

VOLUME 1

Family Petromyzontidae (Lampreys) 1.1
through
Family Syngnathidae (Pipefishes) 31.1

GEOGRAPHICAL DISTRIBUTION OF PUGET SOUND FISHES: MAPS AND DATA SOURCE SHEETS

Bruce S. Miller and Steven F. Borton

Fisheries Research Institute, College of Fisheries
University of Washington, Seattle, Washington 98195

Studies supported by
Washington Sea Grant Program and
Washington State Department of Ecology

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ACKNOWLEDGMENTS

A very special thanks goes to Dr. Allan C. DeLacy, University of Washington College of Fisheries, for initiating and participating in the early work which finally led to the publication of this atlas.

We would like to thank the following individuals for the comprehensive log books they made available to us: T. S. English and C. M. Halstead (University of Washington, Department of Oceanography); R. Van Cleve and A. C. DeLacy (University of Washington, College of Fisheries); R. W. Tyler, E. O. Salo, and Q. J. Stober (University of Washington, Fisheries Research Institute); R. B. Grinols, (Peninsula College); G. S. DiDonato, A. E. Millikan, R. M. Buckley, and F. Haw (Washington State Department of Fisheries); W. L. High, and C. R. Hitz (National Marine Fisheries Service); R. I. Matsuda and R. S. Domenowske (Municipality of Metropolitan Seattle); and D. M. DesVoignes (Port of Seattle).

We wish to thank Patricia Peyton of Washington Sea Grant Communications, and thanks also go to the staff of the College of Fisheries Publications Center--Dorothy Beall, Jacob Davidson, Paula Duncan, Linda Haglund, Virginia Mills, and Muriel Mobley--for their contributions in preparing this manuscript for publication.

Compilation of this fish distribution information was done under the auspices of the College of Fisheries, University of Washington, Seattle. The work has been supported primarily by the Washington Sea Grant Program (National Oceanic and Atmospheric Administration) and by the Washington State Department of Ecology. The Oceanographic Commission of Washington provided a stipend to help defray some of the publication costs.

Bruce S. Miller

BRUCE S. MILLER
Principal Investigator

NOAA Grants
NC-1-72
04-3-158-42

WSDOE Contract
SWP 26/D

GEOGRAPHICAL DISTRIBUTION OF PUGET SOUND FISHES:

MAPS AND DATA SOURCE SHEETS

INTRODUCTION

The accompanying maps and data source sheets constitute a comprehensive compilation of records of Puget Sound fish species through 1973. Most records were originally compiled for the *Checklist for Puget Sound Fishes* (DeLacy, Miller, and Borton 1972).

All records were from five main sources: The literature; catalogued entries in the University of Washington collection of fishes; log records from the University of Washington Friday Harbor Laboratories; boat log records from the University of Washington College of Fisheries; and miscellaneous records, the bulk of which were from logs of state, federal, and University of Washington research projects. Records are arranged on the data source sheets in columns under the aforementioned headings. This method facilitated compilation of the records and provides the best way to add records in the future. A data source sheet key is provided to interpret individual entries. We have tried to avoid any duplication of records and have attempted to avoid records of questionable validity.

The Puget Sound region (Figure 1), for faunistic purposes, is defined as an area south and east of the United States-Canada international boundary line and east of longitude 123°28' in the Strait of Juan de Fuca. The further division of the Puget Sound region into 12 areas is based in part on oceanographic conditions but also reflects an arbitrary and expedient definition of areas with some attention to the intensity of the collecting efforts. A dot on the map of a particular species represents one record of that species having been caught or observed at that location. For example, a dot may represent a single fish caught by hook and line or 500 fish caught in one haul of an otter trawl. There is a corresponding data source sheet entry for every dot, but there may not be a dot for every data source sheet entry since once an area was filled with dots no more were added.

A wide assortment of gear has been employed in the collection of fish represented here (beach seines, bottom trawls, gillnets, purse seines, traps, spearfishing, hook and line, poisoning, etc.). There is also a great variation in the number of fish caught per record. It would not be appropriate to include such information as number of fish caught without also including other important information such as gear type, net mesh size, depth, bottom type, date, and time of day. Information such as numbers of fish caught can easily be misinterpreted without considering all other information about the collection. Including all pertinent information would not be appropriate considering the time and size limitations and goals of this project. The information is designed to provide an extensive source listing for all collections of fish in Puget Sound. People having a need for collection information or biological data such as length and weight should obtain the original source.

The relative sampling effort has varied greatly in the various areas. In general, lower Georgia Strait, the inner Strait of Juan de Fuca, Admiralty Inlet, and Colvos Passage have been sampled less intensively than other areas. The map of an abundant species, such as the English sole (*Parophrys vetulus*) which is caught by most types of gear and found in a wide depth range, indicates areas most intensively fished. Large blank areas on a map cannot be interpreted to mean that a particular species is not found in those areas. It only means that we have, as yet, no records for that species in those areas. This is often the result of lack of sampling effort for those areas or for that particular species. It is evident, however, for some species that they are more abundant in certain areas of Puget Sound; for example, the blackfin sculpin (*Malacocottus kinaidii*) is most abundant in Hood Canal. Further study of original catch data reveals that the blackfin sculpin is most often caught in deep trawls in areas of dense shrimp populations, such as are known to occur in Hood Canal.

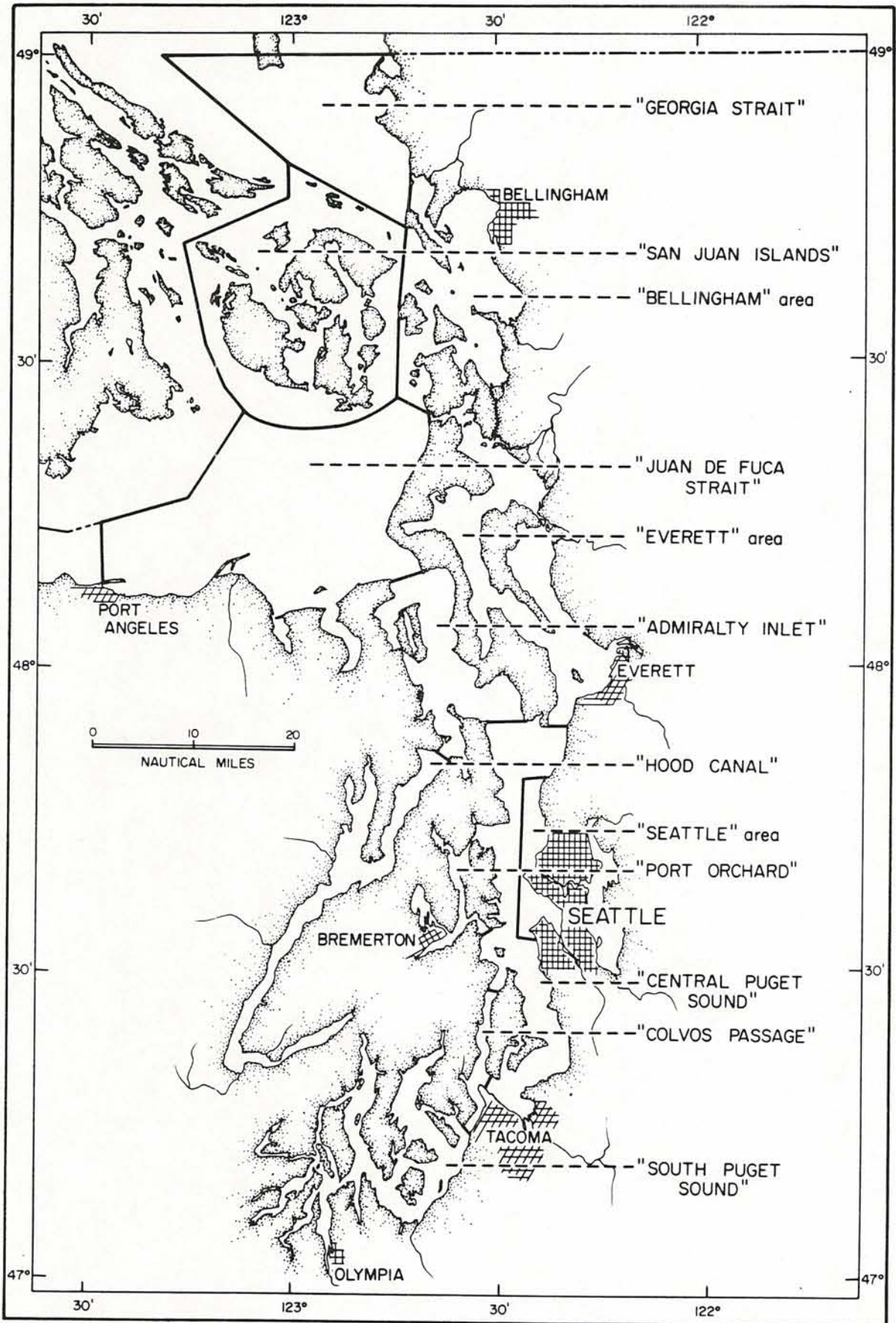


Figure 1. The 12 sampling areas used to group reports of fish occurrence in Puget Sound.

A phylogenetic order of families and species is used in the maps and source sheets (see the List of Families and Species). This order follows the standard set by the American Fisheries Society (1970). We have used Hart (1973) as our reference in those cases where the American Fisheries Society does not list a name. A decimal paging system is used to facilitate the addition of new records and species during future updating. Each family is indicated by the number preceding the decimal point. Species are listed in alphabetical order within a given family and paged consecutively by numbers following the decimal points. Source sheets follow each map and are paged separately by species.

The bibliography is of published records only. A "bibliography" or explanation of source sheet categories (p. xvi) is provided for locating or citing sources.

The authors would like to emphasize that they welcome any additional information that readers may be prepared to provide. Data are stored on magnetic cards so that records may be added easily. Periodic updating of this information is contemplated. It is our hope that work may soon begin on a similar project to gather information of fish records from the outer Strait of Juan de Fuca and the Washington Coast.

KEY TO SOURCE SHEETS

PS - Puget Sound, general
 GS - Georgia Strait
 JF - Juan de Fuca Strait
 SJ - San Juan Islands
 B - Bellingham area
 E - Everett area
 AI - Admiralty Inlet

HC - Hood Canal
 CS - Central Puget Sound
 PO - Port Orchard
 S - Seattle area
 CP - Colvos Passage
 SS - South Puget Sound

number of occurrences from this location from this source

5-SS: (Fort Steilacoom): Girard, 1859.

area location. specific location or locations within area

1-PS: Jordan & Starks, 1896.

source gave location as "Puget Sound"--record is not mapped

1-CP: Jordan & Gilbert, 1882.

record in this area, but either there was not a more specific location given by the source or two or more hauls in different locations were lumped by the source--record is not mapped unless it is the only record for that area

3-AI: (White Rock; Port Townsend; north of Olele Pt.): Evermann and Goldsborough, 1907.

This means that of these 3 Admiralty Inlet records, one was from White Rock, and one was from Port Townsend, and one was from north of Olele Pt.

If this number were 15+ then 5+ were from White Rock...etc.

If this number were 50+- (Fishing areas, etc.) then all locations mentioned (listed) would be 50+ each.

Other information:

8-5206 A number preceding a boat log entry gives the number of occurrences in that collection or series of hauls at a certain location.

E (Gedney I.): Chapman and DeLacy 1933 (Duplicated by museum record).

No number indicates that there was a known but unmatched duplication (entry not mapped).

EXPLANATION OF SOURCE CATEGORIES

Published Records

See Bibliography. This includes a broad spectrum of printed material (many technical reports).

University of Washington Museum Collection

These records are from notebooks listing the specimens preserved in the College of Fisheries Museum. The notebooks are kept in the museum.

Friday Harbor Laboratory Log

These logs are of collections made largely in the San Juan Islands and in connection with class or research work at the University of Washington, Friday Harbor Laboratories and/or the College of Fisheries.

University of Washington Boat Log

These logs list collections made using some of the research vessels (mainly the COMMANDO) of the College of Fisheries. Also listed are many of the class beach seine trips. The logs are available through the Dean's Office at the College of Fisheries.

Miscellaneous Logs

This is a potpourri of any legitimate record or set of records which cannot be classified by the above categories. They range from logs of various research institutions to verified phone calls and photographs from marine scientists. The following is an alphabetized listing and explanation of the abbreviated citations of important logs in the miscellaneous category which need further explanation.

FRI, Tyler Data Sheets, 1965. Data sheets from a research project in Bellingham Bay conducted by the Fisheries Research Institute at the College of Fisheries.

METRO, 1963-70. Records from collections made by the Municipality of Metropolitan Seattle in areas near sewage treatment plants.

NIH (date or collection number). Records from trawl and beach seine collections made under the direction of Dr. Bruce S. Miller as part of various National Institute of Health grants.

NMFS, COBB - (cruise or date of cruise). Records from trawl collections of the R/V COBB made by the U.S. Department of Commerce, National Marine Fisheries Service.

Sea Grant (date or collection number). Records from trawl and beach seine collections made under the direction of Dr. Bruce S. Miller as part of several individual grants.

U.W. Oceanography, 1964-67. U.W. Oceanography, P.G. (Port Gardner) or P.O. (Port Orchard), and other variations. Records from research collections made under the direction of Dr. T. Saunders English of the University of Washington, Department of Oceanography. Most collections were made by beam trawl from the R/V HOH.

Van Cleve, Trap, 1961-65. Records from test collections made with a College of Fisheries automated bottom sampler under the direction of Dr. Richard Van Cleve.

WSDF, Commercial catch comp., 1966-71. Records compiled from commercial fishing data as part of the catch composition estimation program of the Washington State Department of Fisheries.

WSDF, Groundfish trawl, (date). Records from trawls made by the Washington State Department of Fisheries.

WSDF, Gulf Georgia, 1969. Records from trawl investigations made by the Washington State Department of Fisheries in the Gulf (Strait) of Georgia.

WSDF, Sport Fish, 1965-70. Records from information collected during the sport fishery boat check program of the Washington State Department of Fisheries.

LIST OF FAMILIES AND SPECIES

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<i>Malacocottus kincaidi</i> , blackfin sculpin	55.23
<i>Myoxocephalus polyacanthocephalus</i> , great sculpin	55.24
<i>Nautichthys oculofasciatus</i> , sailfin sculpin	55.25
<i>Oligocottus maculosus</i> , tidepool sculpin	55.26
<i>Oligocottus rimensis</i> , saddleback sculpin	55.27
<i>Oligocottus snyderi</i> , fluffy sculpin	55.28
<i>Psychrolutes paradoxus</i> , tadpole sculpin	55.29
<i>Radulinus asprellus</i> , slim sculpin	55.30
<i>Radulinus boleoides</i> , darter sculpin	55.31
<i>Rhamphocottus richardsoni</i> , grunt sculpin	55.32
<i>Scorpaenichthys marmoratus</i> , cabezon	55.33
<i>Synchirus gilli</i> , manacled sculpin	55.34
<i>Triglops macellus</i> , roughspine sculpin	55.35
<i>Triglops pingeli</i> , ribbed sculpin	55.36

FAMILY AGONIDAE (Poachers)

<i>Agonopsis emmelane</i> , northern spearnose poacher	56.1
<i>Agonus acipenserinus</i> , sturgeon poacher	56.2
<i>Anoplagonus inermis</i> , smooth alligatorfish	56.3
<i>Asterotheca alascana</i> , gray starsnout	56.4
<i>Asterotheca infraspinata</i> , spinycheek starsnout	56.5
<i>Asterotheca pentacanthus</i> , bigeye poacher	56.6
<i>Bathyagonus nigripinnis</i> , blackfin poacher	56.7
<i>Bothragonus swani</i> , rockhead	56.8
<i>Hypsagonus quadricornis</i> , fourhorn poacher	56.9
<i>Ocella verrucosa</i> , warty poacher	56.10
<i>Odontopyxis trispinosa</i> , pygmy poacher	56.11
<i>Pallasina barbata</i> , tubenose poacher	56.12
<i>Xeneretmus latifrons</i> , blacktip poacher	56.13
<i>Xeneretmus triacanthus</i> , bluespotted poacher	56.14

FAMILY CYCLOPTERIDAE (Lumpfishes and Snailfishes)

<i>Careproctus melanurus</i> , blacktail snailfish	57.1
<i>Eumicrotremus orbis</i> , Pacific spiny lumpsucker	57.2
<i>Liparis callydon</i> , spotted snailfish	57.3
<i>Liparis cyclopus</i> , ribbon snailfish	57.4
<i>Liparis dennyi</i> , marbled snailfish	57.5
<i>Liparis florae</i> , tidepool snailfish	57.6
<i>Liparis fucensis</i> , slipskin snailfish	57.7
<i>Liparis pulchellus</i> , showy snailfish	57.8
<i>Nectoliparis pelagicus</i> , tadpole snailfish	57.9
<i>Polypera beringiana</i> , Bering snailfish	57.10
<i>Polypera greeni</i> , lobefin snailfish	57.11

FAMILY BOTHIDAE (Lefteye Flounders)

<i>Citharichthys sordidus</i> , Pacific sanddab	58.1
<i>Citharichthys stigmaeus</i> , speckled sanddab	58.2

FAMILY PLEURONECTIDAE (Righteye Flounders)

<i>Atheresthes stomias</i> , arrowtooth flounder	59.1
<i>Eopsetta jordani</i> , petrale sole	59.2
<i>Glyptocephalus zachirus</i> , rex sole	59.3
<i>Hippoglossoides elassodon</i> , flathead sole	59.4
<i>Hippoglossus stenolepis</i> , Pacific halibut	59.5
<i>Isopsetta isolepis</i> , butter sole	59.6
<i>Lepidopsetta bilineata</i> , rock sole	59.7
<i>Lyopsetta exilis</i> , slender sole	59.8

FAMILY PLEURONECTIDAE (continued)

<i>Microstomus pacificus</i> , Dover sole	59.9
<i>Parophrys vetulus</i> , English sole	59.10
<i>Platichthys stellatus</i> , starry flounder	59.11
<i>Pleuronichthys coenosus</i> , C-0 sole	59.12
<i>Psettichthys melanostictus</i> , sand sole	59.13

FAMILY MOLIDAE (Molas)

<i>Mola mola</i> , ocean sunfish	60.1
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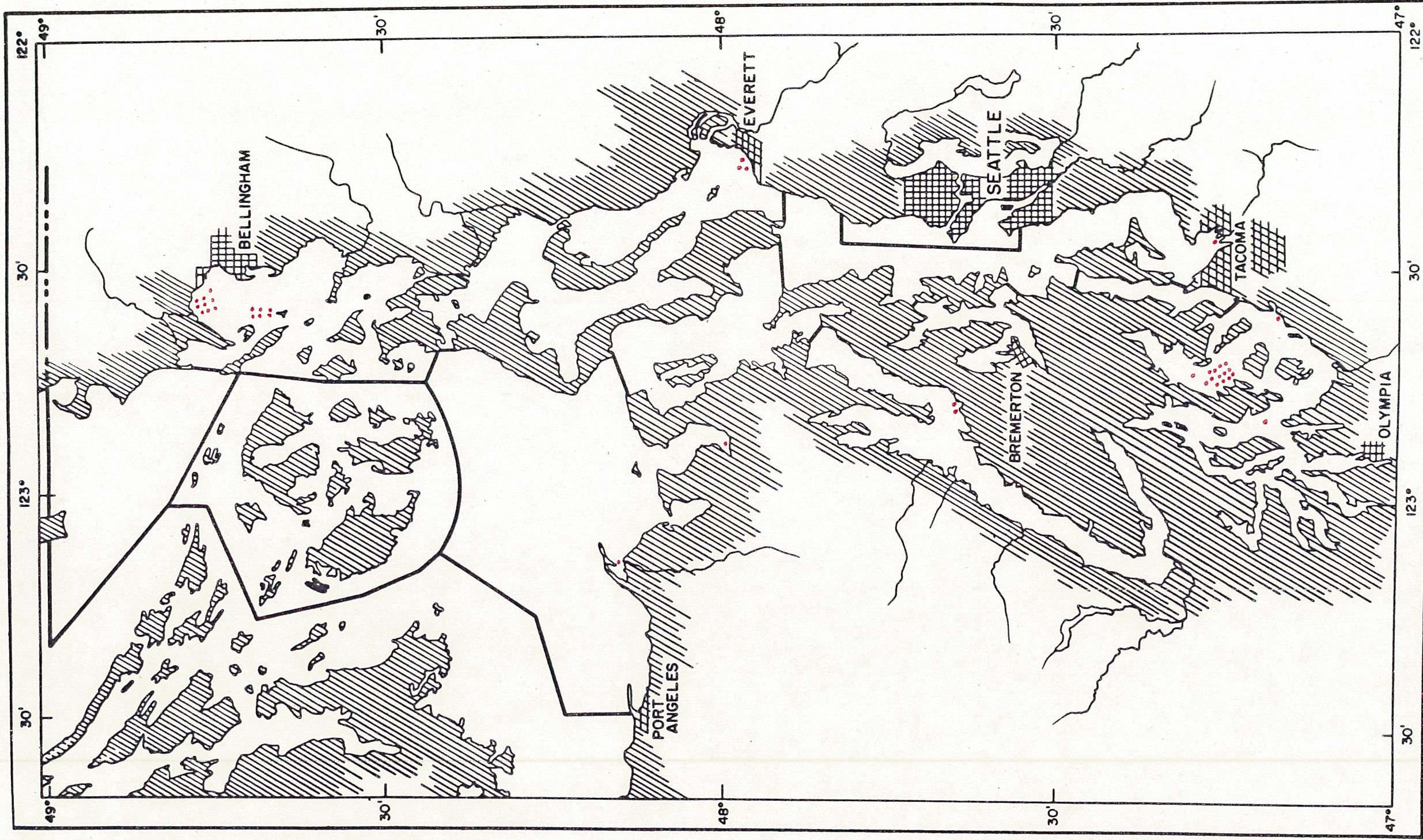
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Y

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Entosphaerus tridentatus

Petromyzontidae

Published Records

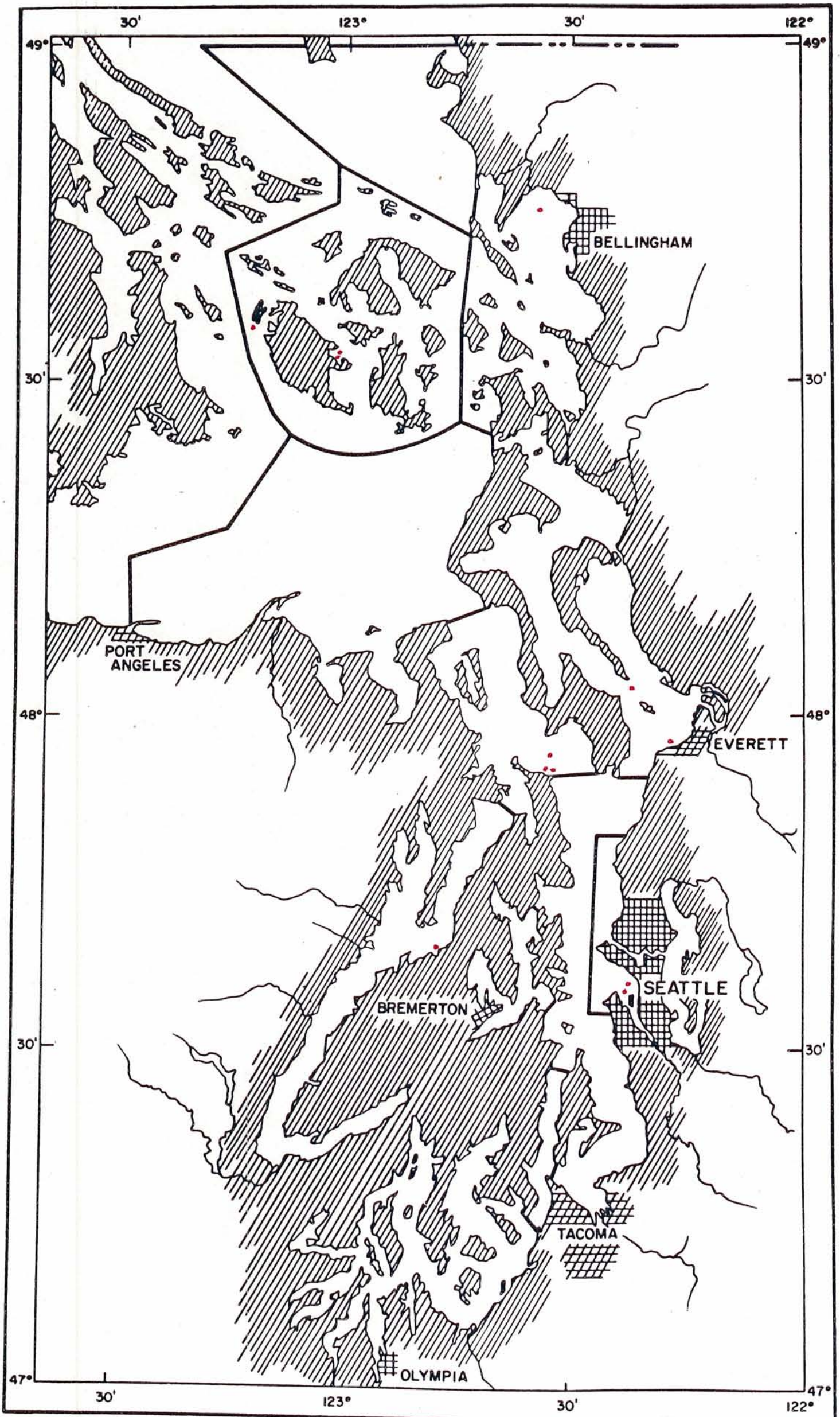
- 1-SS (Fort Steilacoom):
 Girard, 1859. Small (4-inch),
 probably in F.W.
- 1-PS: Kincaid, 1919.
- 1-PS: Jordan and Gilbert, 1882.
- 1-PS: Jordan and Starks, 1896.
- 6-B (north of Eliza Island):
 Tyler, 1964.
- 1-HC (Big Beef Harbor):
 Anderson and Chew, 1972.
- 9-B (fyke net, Fellingham Bay, north
 of Eliza Island): Tyler, 1964.

University of Washington
Museum Collection

- 1-CS (mouth of Fuyallup River):
 6194.
- 1-SS (Carr Inlet):
 18999 (also Cobb, 75-22).
- 1-JF (second bridge above bay,
 Dungeness River): 17535.
- 1-JF (Snow Creek above bridge at
 Discovery Bay): 17546.

Miscellaneous Logs

- 3-E (Port Gardner Bay):
 U.W. Ocean., P.G., 1962-67.
- 1-SS (lower Case Inlet):
 U.W. Ocean., Hoh, 1963-67.
- 3-SS (lower Carr Inlet): U.W.
 Ocean., herring trawl, 1968-69.
- 1-HC (Big Beef Harbor): K V. Koski,
 personal communication, 10/19/72.



Lampetra ayresi

Petromyzontidae

Published Records

- 1-PS: Kincaid, 1919.
 1-PS: Jordan and Starks, 1896.
 1-S (Seattle):
 Jordan and Gilbert, 1882.
 1-PS: Jordan and Gilbert, 1881c.
 1-S (Elliott Bay): Salo, 1969.

University of Washington
Museum Collection

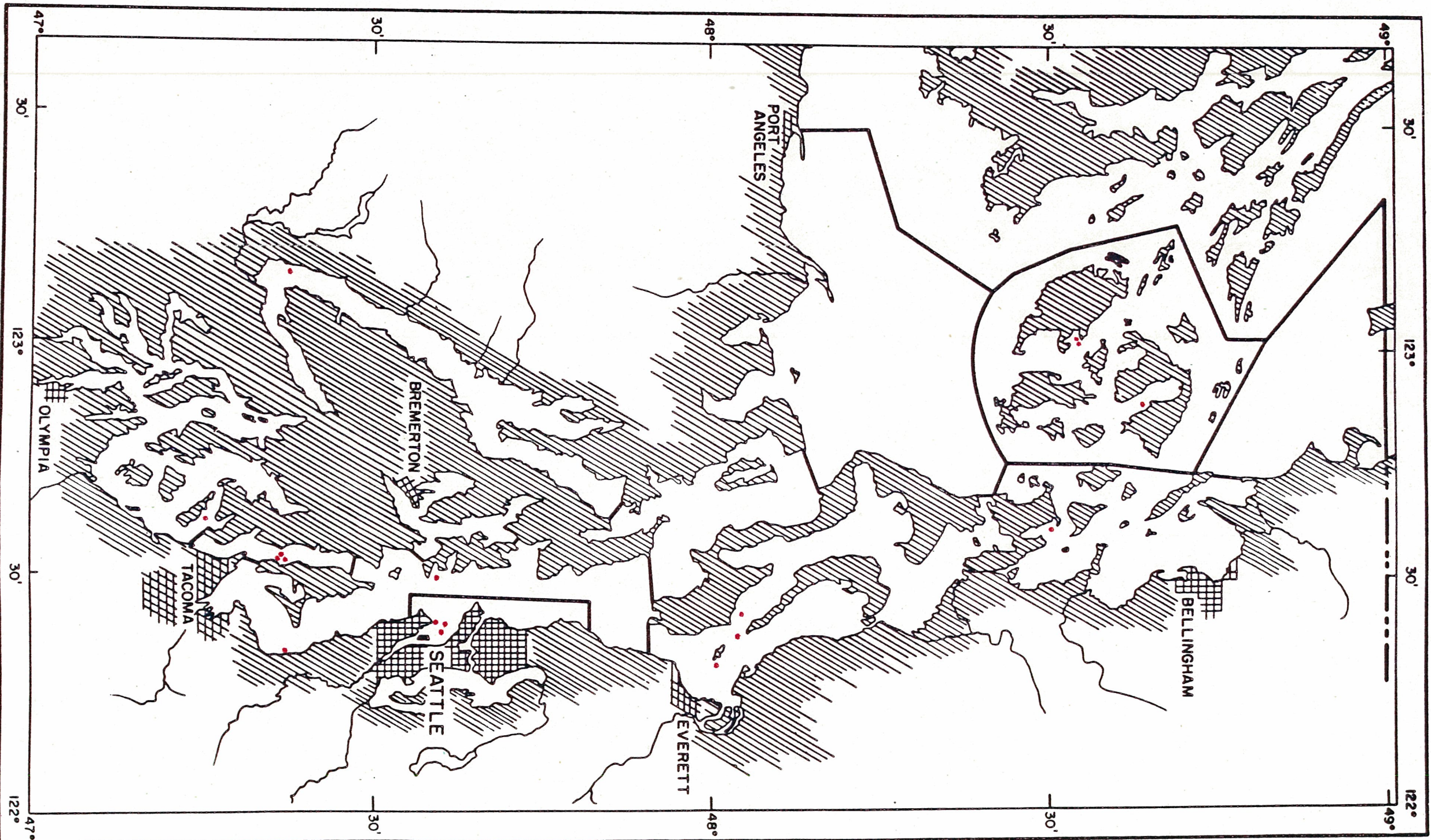
- 1-S (sandspit south of Ballard
 Locks): 4668.
 1-AI (White's Resort, Hansville):
 9318.
 1-AI (Bruce's Resort, Hansville):
 11203.
 1-E (Everett boathouse): 12705.
 1-PS: 13935.
 1-AI: 17029.
 1-E (Camano Island): 18051.
 1-SJ (Open Bay): 19451.

Friday Harbor Laboratory Log

- 2-SJ (Friday Harbor Lab):
 7/28/69; 7/30/69.

Miscellaneous Logs

- 1-PS (Everett or Bellingham):
 Dick Tyler, personal
 communication.
 1-HC (Big Beef Harbor): K V. Koski,
 personal communication, 10/19/72
 (18-inch adult caught in fyke net
 in or near creek mouth).
 1-B (Bellingham Bay, off Nooksack
 River to Marine Drive):
 NIH, 1968-71.



Hexanchus griseus

Hexanchidae

Published Records

- 1-SS (Hale Passage): Smith, 1936.
 1-PS: Halkett, 1913.
 1-B (Anacortes): Starks, 1911.
 1-PS: Kincaid, 1919.
 1-PS: Jordan and Gilbert, 1882.
 1-PS: Jordan and Gilbert, 1881c.
 1-SJ (East Sound): Miller and
 Greenfield, 1965 (also museum
 18500; NIH, 1964-66; Friday
 Harbor Log, 10/23/64).
 1-S (Seattle): Hart, 1935.
 1-SJ (Friday Harbor): Hart, 1935.

University of Washington
Museum Collection

- 1-E (Saratoga Pass.-Port Susan):
 2925.
 1-S (east waterway of Harbor
 Island): 3779.

Friday Harbor Laboratory Log

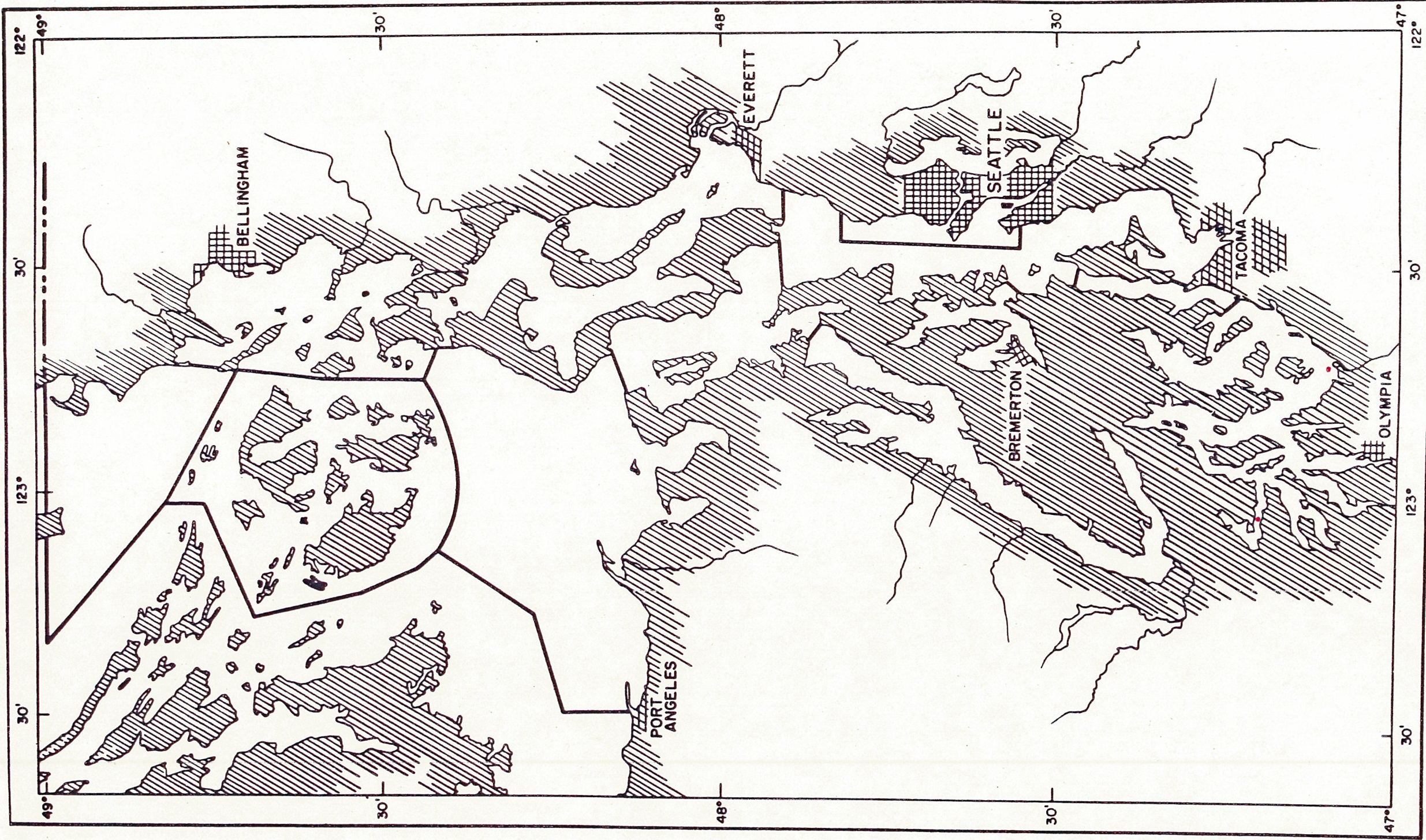
- 1-SJ (Friday Harbor Lab): 8/7/61.

Miscellaneous Logs

- 1-S (Duwamish Head): Seattle
 Aquarium personnel, 5/21/64.
 1-S (Elliott Bay): Seattle
 Aquarium personnel, 5/22/64.
 1-CS (Salt Water Park): Seattle
 Aquarium personnel, 5/22/64.
 1-CS (Blakely Rock): Ted Griffin,
 Seattle Marine Aquarium, 8/9/64.
 3-CP (Camp Sealth): WSDF,
 Groundfish Trawl Log, 1972.
 1-E (off Langley):
 Sport Catch, 1975.

University of Washington Boat Log

- 1-E (training cruise area, east of
 Gedney Island): 7110c.
 1-HC (mid-channel, north of
 Potlatch): 6804D.



Notorynchus maculatus

Hexanchidae

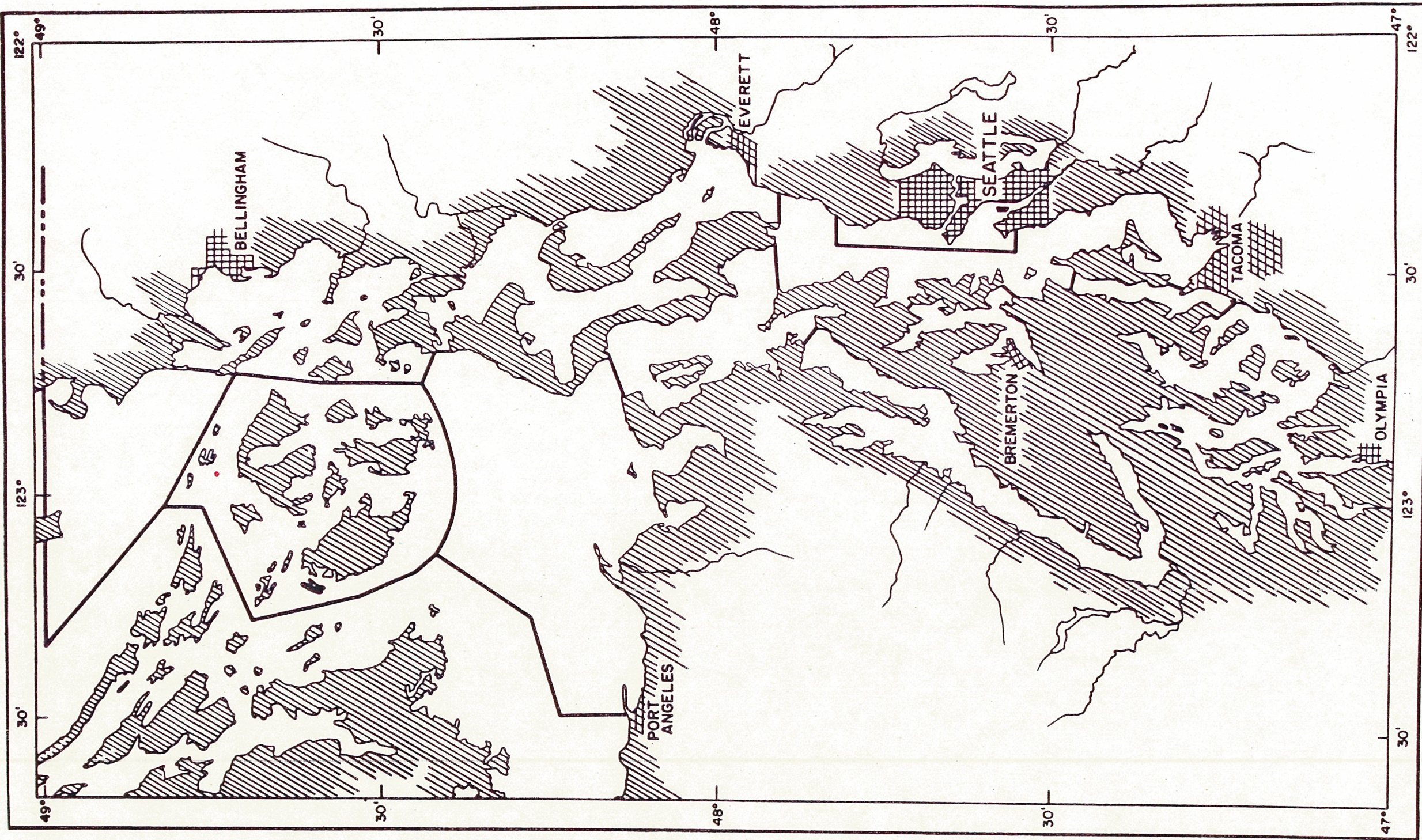
Published Records

- 1-SS (Nisqually): Gill, 1863b (also
Gill, 1865; Jordan and Starks,
1896; Jordan and Gilbert, 1882).
1-PS: Kincaid, 1919 (this may also
be a reference to the Gill, 1863b
record).

Miscellaneous Logs

- 1-SS (Hammersley Inlet at Walker
Park, 2 miles east of Shelton):
sport catch casting from shore,
by Vern Bailey, 8/24/73; Bruce
Miller, personal communication,
7/2/74.

Mytilus trossulus (L.)

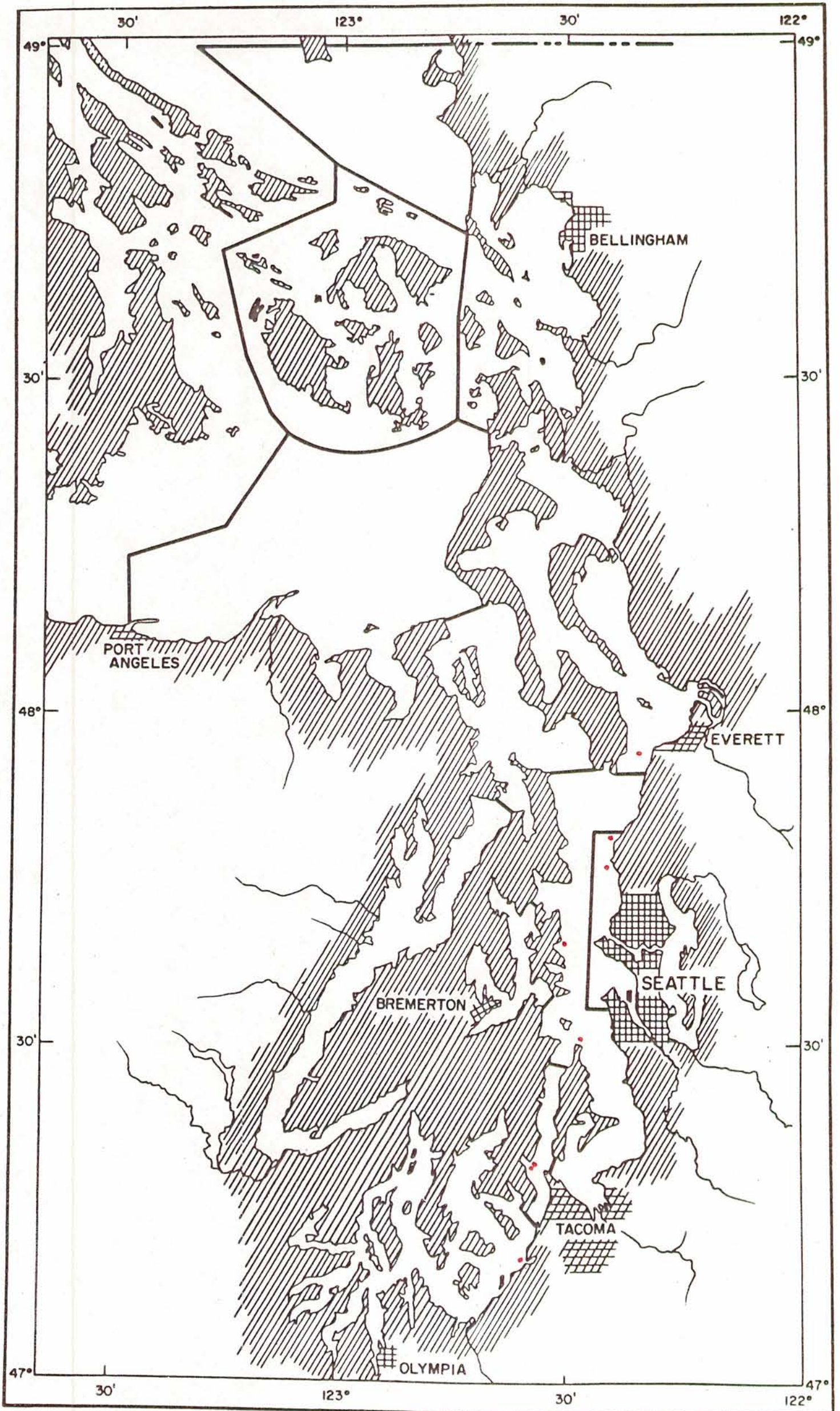


Alopias vulpinis

Alopiidae

Miscellaneous Logs

1-SJ (off Sucia Island):
Bob Jackson, personal
communication, "Shrimp Shack,"
Bellingham, 5/24/72.



Cetorhinus maximus

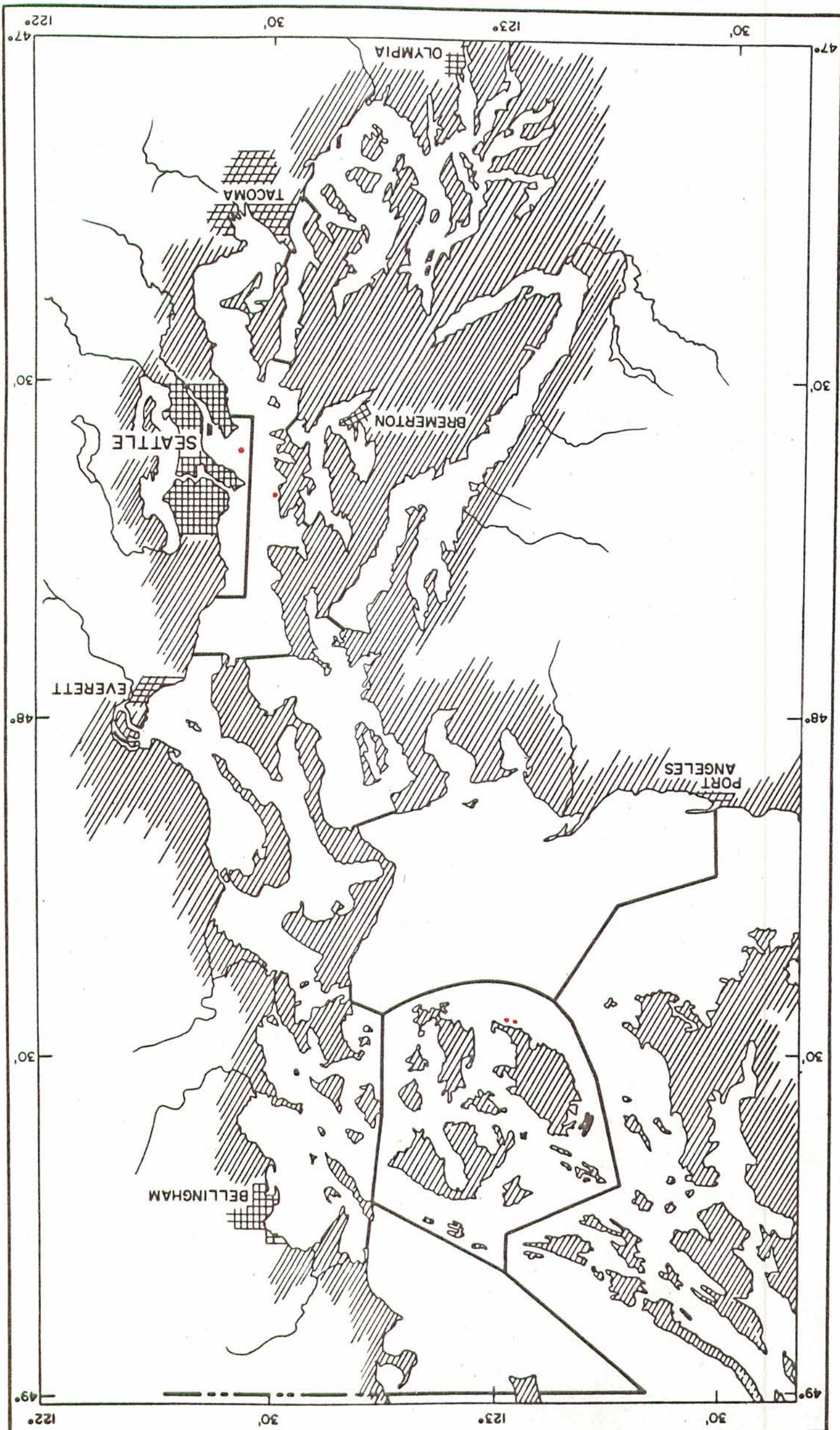
Lamnidae

Published Records

- 1-S (off Richmond Beach):
Slipp, 1948b.
- 1-CP (entrance of Gig Harbor, caught
in net 10/28/39): Slipp, 1948b.
- 1-CP (off mouth of Gig Harbor,
caught in purse seine 11/11/48):
Slipp, 1948b.
- 1-SS (off mouth of Chambers Creek,
north of Steilacoom):
Slipp, 1948b.
- 1-E (near Mukilteo): Chapman, 1942.
- 1-S (east waterway of the Duwamish
River, caught in Indian gillnet):
Seattle Times, 1976.

Miscellaneous Logs

- 1-S (near Edmonds): Frank Haw,
personal communication, 6/4/63
(frequently observed swimming at
surface, summer 1958).
- 1-CS (~1/2 mile off Kingston):
Don Goldsberry, personal
communication, Seattle Marine
Aquarium, 9/27/72.
- 1-CS (north off Vashon Island):
Pete Tronquet, personal communi-
cation, "The Beachcomber,"
11/7/72 (caught by gill-netter).



Lamna ditropis (salmon shark)

Lammidae

Lamna ditropis

Lamnidae

University of Washington
Museum Collection

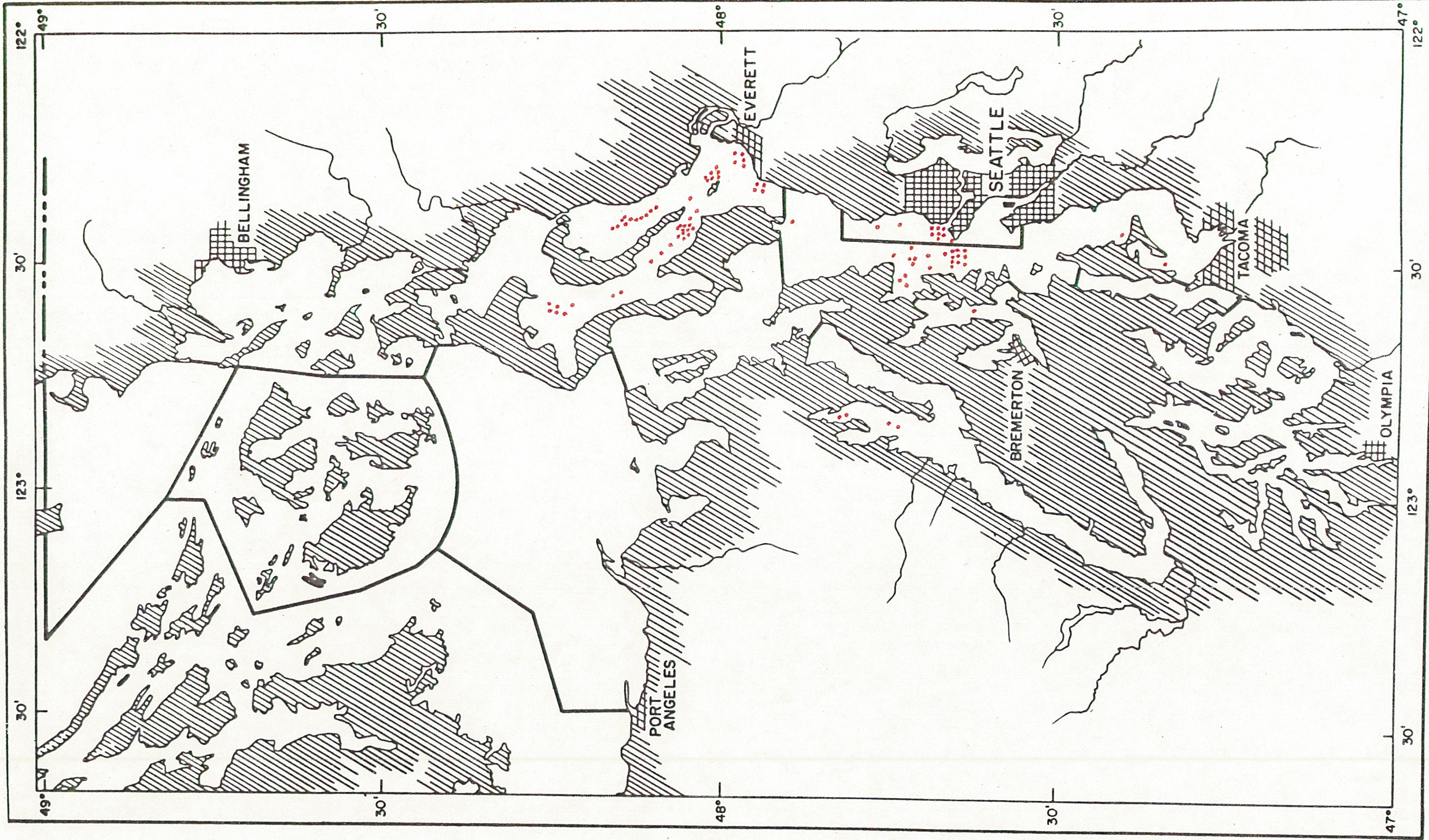
1-S (near Seattle): 4364.

Friday Harbor Laboratory Log

2-SJ (between Eagle Point and Cattle
Point): 8/2/53; 8/63.

Miscellaneous Logs

1-CS (Rolling Bay):
Mat Svornich, personal communica-
tion, salmon nets, 10/15/64.



Apristurus brunneus

Scyliorhinidae

Published Records

- 1-HC: Gilbert and Thompson, 1905.
 1-PS: Kincaid, 1919.
 1-E (Saratoga Pass.): DeLacy and Chapman, 1935 (also museum 2921).
 1-E (Saratoga Pass.-Port Susan): DeLacy and Chapman, 1935 (also museum 2923).
 1-E (Port Susan): DeLacy and Chapman, 1935 (also museum 2933).
 1-E (off Everett): DeLacy and Chapman, 1935 (also museum 3137).

University of Washington
Museum Collection

- 1-E (off Camano Island): 2922.
 1-S (off Meadow Point): 6211.
 1-CS (off Jefferson Point): 8106 (also bcat 5112D).
 1-CS (mid-channel, off Shilshole): 10687.
 1-CS (Meadow Point to Point Monroe): 12251 (also boat 5709B).
 1-CS (off Fay Bainbridge State Park): 14415.
 1-CS (off Port Madison): 14949 (also boat 5812E).
 1-S (at Golden Gardens): 17148.
 1-S (off Richmond Beach): 18656 (also boat 6429B).
 1-PO (Port Orchard Channel): 18406.
 1-S (beach seine, Golden Gardens): 16070.

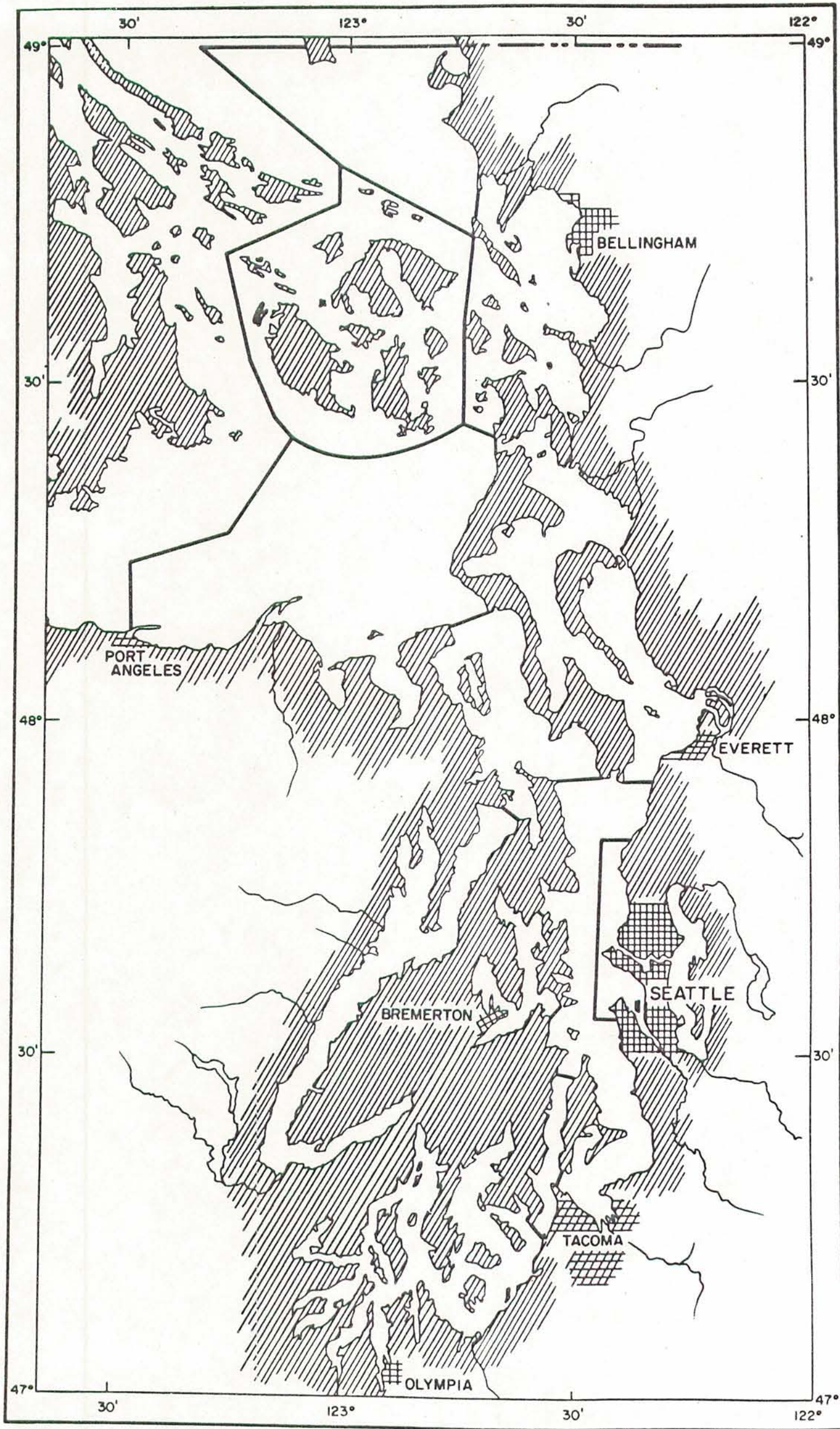
University of Washington Boat Log

- 4-S (off Golden Gardens): 5034G; 5110D; 6005C; 6311E.
 1-S (off West Point): 6718-3.
 1-S (Carkeek to Richmond Beach): 6719B.
 1-HC (Dabob Bay): 6013B.
 2-HC (Dabob Bay, Broad Spit to Long Spit): 6629B; 6503A.
 10-CS (mid-channel between West Point and Skiff Point): 6603B; 6605B; 6606B; 6607B; 6611B; 6614B; 6620B; 6628B; 6615B; 7118B.
 2-CS (off Port Madison): 495B; 497A.
 1-CS (mouth of Quartermaster Harbor): 5042A.
 1-CS (Tramp Harbor): 5104A.
 1-CS (mid-channel between Meadow Point and Jefferson Point): 5911B.
 8-E (off north of Langley): 6603D; 6614D; 6815D; 6819D; 6826D; 7118D; 7213D; 7307D.
 6-E (east of Gedney Island): 6517C; 6614C; 6717C; 6722C; 6819C; 7307C.
 4-E (off Penn Cove): 6603E; 6815E; 6819E; 7307E.

- 4-E (off Mukilteo): 5604C; 5604A; 5604B; 6407.
 1-E (Langley to Camano Head): 6507D8.
 1-E (Everett): 6620D.
 3-E (south Saratoga Pass.): 6620E; 6722X; 6722Y.
 3-E (off Kayak Point): 6702A,B,C.
 1-E (Port Susan): 6821.5C.
 3-E (Saratoga Pass.): 6801.5; 6810C; 6821.5D.
 1-E (north Saratoga Pass.): 6821.5B.
 1-E (off Camano Head): 6822D.
 1-E (north of Langley): 6914D.
 1-E (east of Gedney Island): 6914C.
 1-CS (mid Port Madison): 7011C.
 1-HC (Dabob Bay): 7102D.
 1-E (off north of Langley): 7110D.
 1-E (off north of Kayak Point to off Tulalip): 7112.
 1-E (training cruise area, off Penn Cove): 7313E.

Miscellaneous Logs

- 2-E (Port Gardner Bay): U.W. Ocean., P.G., 1962-67.
 2-CS (Port Madison): U.W. Ocean., Hoh, 1963-67.
 5-E (mid Port Susan): U.W. Ocean., Hoh, 1963-67.
 1-E (Port Gardner Bay): U.W. Ocean., Hoh, 1963-67.
 1-CS (south of Possession Point): Cobb, 2/28/73.



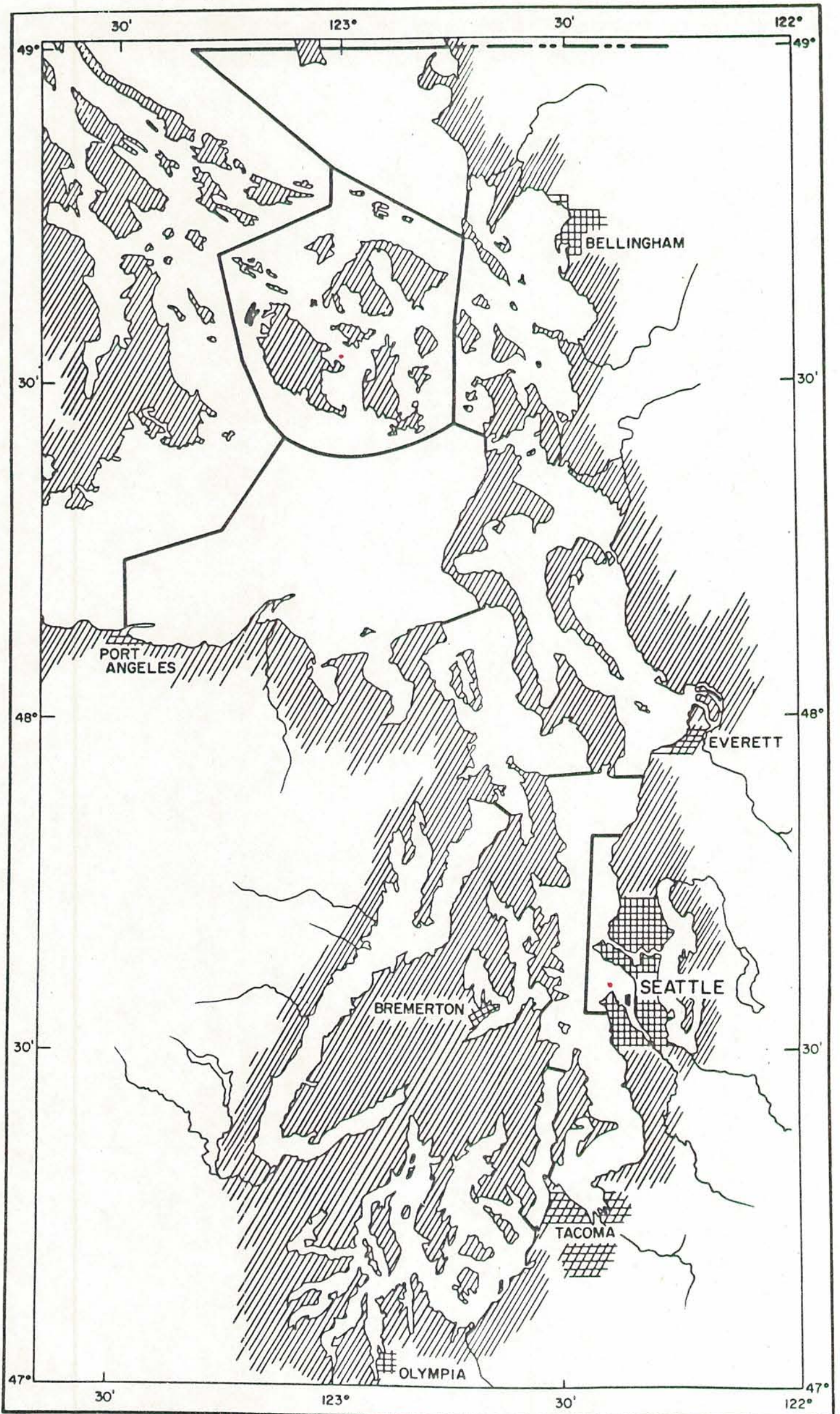
Prionace glauca

Carcharhinidae

Published Records1-PS: Jordan and Gilbert, 1881c.

1-PS: Kincaid, 1919.

1-PS: Jordan and Gilbert, 1882
("near Seattle," not sure of
exact location).



Somniosus pacificus

Squalidae

Published Records

1-S (from Seattle):

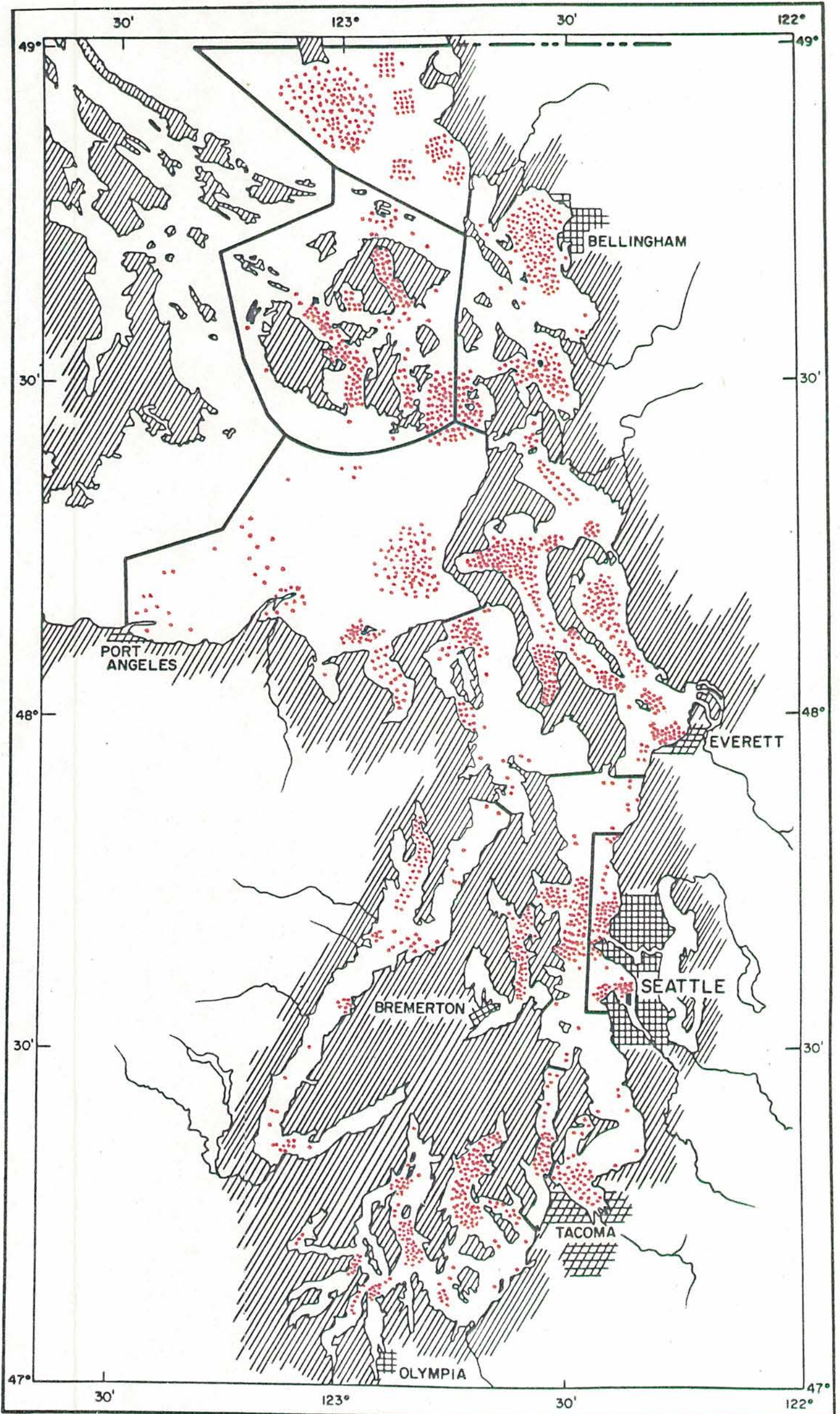
Jordan and Starks, 1896.

1-PS: Jordan and Gilbert, 1881c.

1-PS: Jordan and Gilbert, 1882.

1-PS: Kincaid, 1919.

1-SJ (San Juan Island): Hart, 1935.



Squalus acanthias

Squalidae

Published Records

- 1-AI (Port Ludlow): Starks, 1896b.
 1-PS: Jordan and Gilbert, 1881c.
 1-PS: Jordan and Gilbert, 1882.
 1-PS: Kincaid, 1919.
 1-PS: Jordan and Starks, 1896.
 1-SJ: Starks, 1911.
 1-PS: DeLacy and Chapman, 1935.
 1-SS (Fort Steilacoom): Girard, 1856b (also Girard, 1859).
 4-GS: Smith, 1936.
 9-B (Bellingham Bay): Smith, 1936.
 6-E (Coupeville): Smith, 1936.
 1-E (Oak Harbor): Smith, 1936.
 1-JF (Sequim Bay): Smith, 1936.
 1-JF (Port Discovery): Smith, 1936.
 1-AI (Port Townsend): Smith, 1936.
 1-HC (Bangor): Smith, 1936.
 1-HC (Dabob Bay): Smith, 1936.
 1-B (Hale Pass.): Smith, 1936.
 1-E (Watsak Point): Smith, 1936.
 1-HC (Hoodsport): Smith, 1937.
 1-SS (Carr Inlet): Smith, 1937.
 1-SS (Nisqually Flats): Smith, 1937.
 1-SS (Dofflemeyer Point): Smith, 1937.
 1-SS (Case Inlet): Smith, 1937.
 50+-GS (large area south of Point Roberts and east of Birch Bay, commercial quantities): Kelly, 1946.
 50+-B (west of Burrows Bay, commercial quantities): Kelly, 1946.
 50+-SJ (Rosario Strait west of Burrows Bay, commercial quantities): Kelly, 1936.
 50+-SJ (San Juan Channel, commercial quantities): Kelly, 1946.
 50+-B (Bellingham Bay, commercial quantities): Kelly, 1946.
 50+-B (Anacortes and Padilla Bay, commercial quantities): Kelly, 1946.
 50+-JF (west of Point Partridge, commercial quantities): Kelly, 1946.
 50+-E (east end of Penn Cove, commercial quantities): Kelly, 1946.
 50+-CS (Commencement Bay to Colvos Pass., commercial quantities): Kelly, 1946.
 1-SJ (Friday Harbor): Kohlruss, 1933.
 50+-CP (area north of Point Defiance, commercial quantities): Kelly, 1946.
 50+-SS (Carr Inlet, commercial quantities): Kelly, 1946.
 2-E (Skagit and Similk Bays): Stober and Salo, 1970b.
 7-E (Port Gardner): Salo, 1969.
 6-E (Skagit Bay): Salo, 1969.
 12-E (Kiket Island to Strawberry Point): Stober and Salo, 1970b.
- 4-SJ (East Sound; West Sound; Lopez Sound; and Upright Head): Hanson, 1967.
 1-JF (middle channels): Hanson, 1967.
 1-SJ: Read, 1969.
 2-SJ (San Juan Channel; and Point Green): Bonham, 1954.
 4-B (southwest of Lummi Island; Eliza Island; Samish Bay; and Samish Flats): Bonham, 1954.
 3-E (Holmes Harbor): Bonham, 1954.
 1-HC (north end of Hood Canal): Bonham, 1954.
 1-CP: Bonham, 1954.
 2-SS (Herron Island; and Carr Inlet): Bonham, 1954.
 10+-SS (Dougall Point): Haw and Buckley, 1971.
 10+-SS (north and west of Steamboat Island): Haw and Buckley, 1971.
 10+-SS (east of Cooper Point): Haw and Buckley, 1971.
 10+-SS (Hale Pass.): Haw and Buckley, 1971.
 10-JF (large area northwest of Dungeness Spit): Greenwood, 1957.
 10+-B: DiDonato, 1969.
 1-B (Bellingham Bay): Tyler, 1964.
 1-CS (Dumas Bay): Miller, 1971b.
 4-HC (off Anderson Cove): Chew, 1970.
 1+-SJ: MacPhee and Clemens, 1962 (from Friday Harbor Lab Log).
 1-HC (in Big Beef Harbor, fyke net): Anderson and Chew, 1972.
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- 1-SJ (Deadman Bay): 1241.
 1-E (Sandy Point, Saratoga Pass.): 2659-1/2.
 1-E (Saratoga Pass.): 3660.
 1-JF (Port Angeles): 5369.
 1-B (Samish Flats): 6251.
 1-E (near Everett): 14956.
 1-B (Chuckanut Bay): 18277.
 1-SJ (mid East Sound): 18654 (also Friday Harbor Log, 6/5/64).
 1-SJ (East Sound): 18655 (also NIH, 1964-66).
- Friday Harbor Laboratory Log
- 11-SJ (East Sound):
 6/28/51-2; 7/6/60-2; 8/13/60-1;
 8/11/52; 7/26/60-1; 6/20/61;
 5/11/62; 6/20/63; 1968;
 6/29/71-1; 7/6/71-1.
 9-SJ (West Sound):
 6/23/51; 7/9/52-3 (also boat 5220I); 7/26/60-2; 8/13/60-2;
 6/26/61; 6/27/63-B; 1968;
 6/20/69-2; 7/6/71-2.

Squalus acanthias

Squalidae

Friday Harbor Laboratory Log

- 7-SJ (Lopez Sound): 7/12/51-2;
7/28/55-1; 7/6/60-1; 7/13/60;
6/16/61; 7/8/69-2; 6/21/71-2.
- 14-SJ (Friday Harbor Lab):
7/30/52-1,2; 7/31/52; 8/2/52;
8/8/55; 8/12-13/52; 8/15-16/52;
7/2/69-1; 7/12/69-1; 7/13/69;
8/1/69; 7/16/69-1; 8/13/69-1;
8/21/69.
- 2-SJ (Friday Harbor):
7/9/69; 7/10/69-1.
- 2-SJ (off Friday Harbor):
8/22/69; 6/29/71-2.
- 1-SJ (Spencer Spit): 6/28/51-3.
- 2-SJ (Upright Head):
6/28/51-1; 1968.
- 1-SJ (off Rocky Bay): 6/30/51-1.
- 3-JF (west of McArthur Bank):
7/12/51-1; 7/19/63-1; 7/8/69-1.
- 2-B (Bellingham Bay):
7/26/51-2; 6/22/55.
- 1-B (south of Eliza Island):
8/8/55-1.
- 1-B (off Inati Bay): 8/8/55-2.
- 1-SJ (south of Orcas Island):
6/24/52.
- 2-SJ (Lopez Sound to East Sound):
7/1/52; 7/11/63.
- 1-SJ (East Sound entrance):
7/28/55-2.
- 1-SJ (East Sound or West Sound):
7/25/55.
- 1-SJ (southeast of Cattle Point):
8/3/55-2 (also boat 5520B).
- 1-SJ (west of Center Island):
8/11/55-1.
- 1-SJ (Trump Island to Decatur Head):
8/11/55-2.
- 1-SJ (James Island): 7/24/50-6.
- 2-SJ (lower East Sound): 8/11/55-3;
6/20/50-2 (also boat 5033I).
- 1-SJ (Open Bay): 7/31/50-5.
- 1-SJ (north of Hunter Bay):
6/19/50-5 (also boat 5033G).
- 1-SJ (West Sound or Lopez Sound):
6/27/60.
- 2-SJ (Upright Head to Olga):
8/1/60-2; 7/10/61-2.
- 1-PS (Cattle Point to Smith Island):
6/28/61-1.
- 1-SJ (south of Lopez Island):
6/27/63-A.
- 6-SJ (mid East Sound):
1/17/64; 2/21/64; 4/3/64;
7/11/64; 6/20/69-1; 6/21/71-1.
- 1-SJ (Squaw Bay or West Sound):
6/30/67.
- 1-SJ (San Juan Channel): 1968.
- 1-SJ (Peavine Pass): 1968.
- 1-SJ (west of Neck Point): 7/31/69.
- 1-SJ (lower East Sound): 6/26/73-1.
- 1-SJ (Upright Head to Foster Point):
6/26/73-2.

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- 1-GS (north of Alden Bank): 491G.
- 1-GS (off Cherry Point): 491H.
- 1-JF (in Port Discovery): 5318A.
- 2-JF (off Ediz Hook to off Green
Point): 5705A,D.
- 1-SJ (between Puffin Island and
Orcas Island): 491E.
- 1-SJ (off Raccoon Point toward
Barnes Island): 491F.
- 14-SJ (East Sound, north of Rosario
Point): 491M; 7118H; 7307H;
6507H; 6517H; 6603H; 6614H;
6620H; 6630H; 6717H; 6722H;
6815H; 6819H; 6908H.
- 2-SJ (west of Ram Island):
491P; 5033R.
- 1-SJ (West Sound): 5033L.
- 1-SJ (East Sound): 5033M.
- 1-SJ (south of Spencer Spit):
5033P.
- 1-SJ (East Sound): 6512I.
- 2-SJ (Lopez Sound, southwest of
Center Island): 7118I; 7307I.
- 1-B (Hale Pass.): 491I.
- 1-B (east of Point Francis): 491J.
- 1-B (east of Vendovi Island): 491K.
- 1-B (Bellingham Bay): 6512H.
- 15-B (southwest of Post Point):
6507G; 6512G; 6517G; 6603G;
6614G; 6620G; 6630G; 6722G;
6815G; 6819G; 6822G; 6826G;
6908G; 7118G; 7307G.
- 1-E (near Mukilteo): 6407.
- 1-B (southwest of Post Point):
6717G.
- 18-E (mouth of Holmes Harbor, off
Rocky Point to off Dines Point):
491Q; 5220D; 52200; 5234A; 5234C;
5237E,F; 5307A,C,D,K,L,R,S;
5312H,I; 5327C,E.
- 2-E (off Warm Beach, Port Susan):
5023B,C.
- 2-E (off Mission Beach): 5023E,F.
- 5-E (Penn Cove mouth, off Long Point
to off Snelum Point): 5213A;
5220E; 5321F; 5330H; 5810G.
- 10-E (training cruise area, off Penn
Cove): 6603E; 6614E; 6717E;
6815E; 6819E; 6826E; 6908E;
7118E; 7213E; 7307E.
- 7-E (Penn Cove, off Coupeville to
off Lovejoy Point):
5213B,C; 5316I,J; 5321A,H; 5418E.
- 2-E (off Oak Harbor to Blower
Bluff): 5220F,N.
- 1-E (north end of Saratoga Pass.,
south Point Powell): 5220M.
- 12-E (Holmes Harbor, south of Dines
Point to off Classic):
5234D; 5312F,G,J; 5316A,B,C;
5405G,H; 5501D; 5712E,F.
- 30-E (Holmes Harbor, south of
Classic): 5234E,F; 5237A,B,G;
5305A,G; 5307E,F,G,H,O,P,U;
5312B,C,D,E,L,N; 5316D,E,M,N;
5321T; 5501A,B,C,E; 5810E.

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- 52-E (Holmes Harbor):
5305E,H,I,J,K,L,M; 5325A,B,C;
5327A,B; 5330A,B,C,L,M; 5405C,D;
5418A,B,C,D; 5420A,B,C,H; 5522D,
E; 5604D,E,G,F; 5614D,E,F; 5703E,
G,H; 5810A; 5933C,D,G,H,J,K;
6821.5E; 56130,P,Q,R,S.
- 4-E (Saratoga Pass., south of
Snatelum Point to off north of
Onamac Point):
5316K,L; 5330F; 5418H.
- 3-E (off Utsalady Point):
5321C,D,E.
- 1-E (Penn Cove, off Lovejoy Point to
off Long Point): 5321G.
- 1-E (east off Snatelum Point):
5321J.
- 5-E (off Onamac Point to off Indian
Beach): 5321K,L; 5405L,M,N.
- 6-E (in Elger Bay):
5321M,N; 5330J; 5405O; 5418I,J.
- 1-E (off Saratoga to off Langley):
5321O.
- 13-E (training cruise area, Saratoga
Pass., off north of Langley):
6507D8; 6512D; 6603D; 6614D;
6630D; 6717D; 6722D; 6815D;
6819D; 6826D; 7118D; 7213D;
7307D.
- 22-E (Penn Cove):
5327F,G; 5330G; 5405I,J,K; 5418F,
G; 5420D,E,F,G; 5522F,G; 5613U,V,
X; 5614I,J; 5712A; 5810F,H.
- 1-E (off Onamac Point to off Indian
Beach): 5330D.
- 2-E (off North Bluff to off
Greenbank): 5418M,N.
- 5-E (off Mukilteo):
5604A,B,C; 5613M,N.
- 1-E: 5712B.
- 1-E (off Cama Beach to off Lowell
Point); 5712D.
- 1-E (off Mission Beach): 7204C.
- 2-E (off north of Kayak Point):
7204A,B.
- 3-E (off Kayak Point): 6702A,B,C.
- 15-E (training cruise area, east of
Gedney Island):
6507C8; 6512C; 6517C; 6603C;
6614C; 6620C; 6630C; 6717C;
6722C; 6815C; 6819C; 6826C;
7118C; 7213C; 7307C.
- 1-E (off Spee-Bi-Dah, Port Susan):
7303J.
- 1-E (Everett): 6620D.
- 3-E (south end of Saratoga Pass.):
6620E; 6722X,Y.
- 4-E (Saratoga Pass.):
6801.5; 6810B,C; 6821.5D.
- 3-E (Port Susan): 6810A; 6821.5A,C.
- 1-E (Saratoga Pass., off Camano
Head): 6822D.
- 1-E (near Penn Cove): 6822E.
- 1-AI (off Port Townsend): 5009B.
- 1-AI (Oak Bay, north of Olele
Point): 5009C.
- 4-AI (training cruise area, east of
the north end of Marrowstone
Island):
6507J; 6614J; 6603J; 6630J.
- 1-AI (between off Tala Point and off
Hood Head): 6902M.
- 1-HC (off Shine to off Sisters
Rock): 499C.
- 5-HC (off Pleasant Harbor):
499E; 7303G; 6828E; 6902K,L.
- 1-HC (off Sister Point): 499G.
- 1-HC (off Union): 499H.
- 1-HC (off Thornedyke Bay): 499J.
- 14-HC (Dabob Bay):
5903A; 5921; 6013A,B; 6105A,B,C;
6202A,C,D,F; 7205I,M,N.
- 2-HC (west of Misery Point):
6902J; 7202A.
- 41-HC (Dabob Bay, Broad Spit to Long
Spit):
6503B,C,D,E,H; 6601A,B,C,D;
6629A,B,C,E; 6702D,E,F; 6724A;
6804A,B,G; 6807A,B; 6828A,B;
6902A,C,E,F,H; 7202G,I,J; 7202D,
E,F; 7303A,B,C,D,E,F.
- 1-HC (south of Oak Head): 6601E.
- 1-HC (mid-channel, between Hoodspout
and Potlatch): 6804D.
- 1-HC (northeast of Big Beef Harbor):
6902I.
- 11-CS (mid Port Madison):
492B; 5006D; 5043A; 5048B; 5122B;
5131B; 5132D; 5616J; 5812A;
5924A; 5932A.
- 3-CS (off Port Madison):
497A,B; 5043C.
- 1-CS (northeast of Apple Cove
Point): 5009A.
- 1-CS (off Cultus Bay): 5032A.
- 2-CS (mouth of Quartermaster
Harbor): 5042A; 5104B.
- 1-CS (head of Quartermaster Harbor,
20-foot depth): 5042B.
- 2-CS (mid Quartermaster Harbor,
Dockton to Burton): 5042C,D.
- 1-CS (Tramp Harbor): 5104A.
- 1-CS (off Point Jefferson): 5112D.
- 1-CS (east off Blake Island):
5155I.
- 1-CS (north of Des Moines): 5224A.
- 4-CS (Port Madison, off Agate Pass):
5232A; 5302AA; 5310.2F; 5317C.
- 7-CS (mid-channel between Meadow
Point and Port Madison):
5314B; 5516A; 5608A; 5707C,D;
5709B; 5911B.
- 1-CS (west of Point Monroe): 5315D.
- 1-CS (east off Point Monroe):
5805C.
- 1-CS (off Fay Bainbridge State
Park): 5806C.
- 11-CS (training cruise area, mid-
channel between Skiff and West
Point): 6512B; 6603B; 6614B;
6623B; 6815B; 6819B; 6908B;
7118B; 7213B; 7307B; 7308B.

Squalus acanthias

Squalidae

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- 9-CS (off West Point): 6607B;
6611B; 6620B; 6626B; 6627B;
6628B; 6707; 6706B; 4/4/73A.
- 1-CS (off West Point): 5115J.
- 3-CS (off Murden Cove):
6710B2,D2; 4/4/73B.
- 23-CS (Murden Cove):
6610A,B,C,D; 6612B; 6613A; 6616A;
6713C,D,G,H; 6801B; 6806B; 6809A;
6812D; 6818A,B; 6821.5G,H; 6906A,
D,E; 6912.
- 1-CS (between Wing Point and Four-
Mile Rock): 6507B8.
- 2-CS (Vashon Island, off Sylvan
Beach): 6703A,B.
- 1-CS (Vashon Island, off Neill
Point): 6703C.
- 3-PO (south part of Agate Pass.):
495C; 5910B; 5011C.
- 1-PO (south end): 6303.2.
- 16-PO (Agate Pass., between buoy N4
and buoy N6): 2/22/49-3; 5006A;
5048A; 5106E; 5131A; 5132C;
5206A; 5309C; 5310.1B; 5310.3D;
5310.4F; 5310.5C; 5310.5F;
5310.5J; 5315C; 6617B.
- 1-PO (north of buoy N4): 5020B.
- 90-PO (off Fletcher Bay to off south
of Battle Point): 5206B; 5207D,
E; 5223B; 5226A,B; 5228F; 5230F;
5232C; 5235P; 5236C,D,E; 5301A,B;
5302BB; 5303; 5306A; 5309A;
5310.3B,.5D; 5315B; 5317A,B;
5401A; 5402X; 5404.1; 5409.1;
5413A; 5414.1C; 5421; 5422A,B,C,
D; 5503A; 5504; 5507; 5523A,B;
5524; 5602A,B; 5615A,B,C; 5707B,
G,H; 5709C; 5711A; 5714; 5809A,B;
5814; 5901AK; 5902A; 5904A,B,C;
5905A; 5907A; 5910A; 5912A;
5915A,B; 5919A,B; 5922A; 5923A,B;
5924B; 5927C; 5931B; 6001AM,AN;
6003A; 6006A,B; 6008A,B; 6011A;
6015B,C; 6016A1,B1,B2,A3,A4,B5.
- 30-PO (off Fletcher Bay to off south
of Battle Point):
6020; 6021D; 6100; 6101A; 6106;
6107; 6109A,B; 6111A,B; 6202.5;
6205D1,D2,D3; 6307; 6317; 6320A,
B,C; 6322.5; 6403AF; 6406C;
64251A,2A; 6427A; 6504; 6504.5;
6505A; 6507K; 6707.
- 15-PO (off south of Fletcher Bay,
north of "B-2"): 5229A,C; 5413C,
D; 5503B; 5711C; 5801A,B,C;
5926C; 6016B4; 6118A,B,C,D.
- 12-PO (from off Manzanita to off
Seabold):
5236B; 5310.1C,D; 5310.2A,B,D;
5310.4A,B; 5310.5A,B,E; 6215A.
- 5-PO (between "B-2" and "B-1"):
5301C; 5236F; 5526A; 6205C1,C3.
- 22-PO (probably most of these were
off Fletcher Bay):
5306B; 5926A; 6002A; 6007A,B;
6009A; 6012A; 6214; 6302.5;
6303.1; 6312.5; 6415; 6419;
6711C; 3A,E; 6716.5; 6801;
6821.5F; 7206; 7302A,B.
- 1-PO (Brownsville to Point White):
6806A.
- 4-PO (off Battle Point to north of
Battle Point):
5310.1A; 5310.3A; 5422F,G.
- 1-PO (in Manzanita Bay): 5310.3C.
- 2-PO (Point Bolin to Keyport):
5310.4D,E.
- 1-PO (off Fletcher Bay): 6311.5.
- 32-S (off Golden Gardens to off
Meadow Point): 492D; 494E;
5003A; 5008C; 5017B; 5029E;
5033A; 5034E,G; 5039A; 5110D;
5112A,B; 5119H; 5126A; 5314A;
5408B; 5416B; 5516B; 5702AN;
5707J,K; 5920E,F; 5931A; 6005C;
6114A,B; 6506A,C; 6510C; 6311E.
- 5-E (off Alki Point toward Duwamish
Head): 5027B; 5616D; 5702AM;
5802JJ; 6001AO.
- 1-S (off Four-Mile Rock to Pier 91):
5027C.
- 23-S (off north of Meadow Point to
off Carkeek Park):
5039C; 5041B; 5044A; 5110A;
5119A,B; 5203A; 5212B,C,D; 5606A;
5915C,D; 7119A,B; 7120A,B; 6406A;
6414C,D; 6510A,B; 6608B.
- 1-S (beach seine, Golden Gardens to
Meadow Point): 5134A.
- 1-S (south off West Point to off
Four-Mile Rock): 5602C.
- 2-S (off north of Carkeek Park):
6206C; 6414E.
- 1-S (Meadow Point to Richmond
Beach): 6429B.
- 4-S (Carkeek Park to Richmond
Beach): 6719A,B,C,D.
- 1-S (beach seine, Piper Creek
Beach): 6510D.
- 2-S (beach seine, Alki Point to
Duwamish Head): 619M,N.
- 1-S (1 mile southwest of West
Point): 6806C.
- 2-S (off West Point): 6718-3,5.
- 2-CP (off Sandford Point):
7/18/49; 5126N.
- 5-CP (off Camp Sealath):
7/21/49-2,3; 5009E; 5104CC,DD.
- 3-CP (off Cove or Fragaria):
5046A; 5133Q; 5135E.
- 1-CP (west side off south of Command
Point): 5133P.
- 24-SS (off Minter Creek to off
Elgin, Carr Inlet):
7/19/49-1; 5037H; 5045G,J; 5046C;
5101C; 5104D,H,I,V,S; 5107A;
5126D,F; 5133J; 5135A,B,C,D;
5201H; 5213F; 5227D,F,I.
- 1-SS (Drayton Pass): 7/19/49-2.
- 2-SS (off McLane Cove):
7/20/49-3; 5201L.
- 1-SS (off Budd Inlet): 7/20/49-4.

Squalus acanthias

Squalidae

University of Washington Boat Log

- 2-SS (west of Herron Island):
5009G; 5126H.
- 1-SS (north end Pickering Pass to
McLane Cove): 5009H.
- 8-SS (northwest end of Nisqually
Reach to south of Devils Head):
5009I; 5126J; 52021C,D,M; 5204F,
G,J.
- 44-SS (Carr Inlet, off Glen Cove to
west off Raft and Cutts Islands):
5009J; 5037C,G; 5045A,B,C,H,K;
5101B; 5102A,B; 5104J,K,L,M,N,O,
P,Q,Y,Z,AA; 5115F; 5126M; 5201A,
B; 5204A,B,C,D,F,K,N; 5213D;
5227B; 5613A,B,C,D,E,F,G,H,I.
- 3-SS (southwest of Green Point):
5037A; 5104S,T.
- 10-SS (off Wauna to mid-channel off
south of Wauna, Carr Inlet):
5037I; 5045I; 5101A; 5104E,F,G,W;
5126L; 5227A,C.
- 1-SS (Hale Pass., off Arletta to off
Cromwell): 5046B.
- 2-SS (mid-channel, Gibson Point to
Gertrude Island): 5046D; 5104C.
- 2-SS (off north of Home to off
Horsehead Bay Spit):
5104R; 5201I.
- 3-SS (Oakland Bay, off Shelton):
5115A,B,C.
- 3-SS (Totten Inlet, off Windy Point
to south end Steamboat Island):
5115D; 5201K; 5204I.
- 2-SS (Eld Inlet, 1 mile northeast
Flapjack Point, Van Cleve, trap
sampling area): 5115E; 6217-2.
- 1-SS (Case Inlet, off Victor):
5126G.
- 1-SS (west of Ketron Island):
5126K.
- 1-SS (between Fox Island and Day
Island toward Toliva Shoal):
5201E.
- 1-SS (off Unsal Point, Dana Pass):
5201J.
- 1-SS (Hale Pass, Wollochet Bay to
Point Fosdick): 5201N.
- 1-SS (Dana Pass, Brisco Point to
Dofflemeyer Point): 5204H.
- 6-SS (Carr Inlet):
5522C,A,B; 56C5A,B,D.
- 3-SS (Case Inlet): 5613J,K,L.
- 2-SS (Carr Inlet, mid-channel, Glen
Cove to Green Point): 6724B-1,2.
- 1-SS (Case Inlet, east of Hartstene
Island): 6724C.
- 1-PO (off Fletcher Bay): 6913.
- 3-E (training cruise area, Saratoga
Pass, north of Langley):
6914D; 7010D; 7017D.
- 6-B (training cruise area, southwest
of Post Point): 6914G; 7010G;
7017G,G.1; 7110G; 7313G.
- 5-E (training cruise area, off Penn
Cove): 6914E; 7010E; 7017E;
7110E; 7313E.
- 5-E (training cruise area, east of
Gedney Island): 6914C; 7010C;
7017C; 7110C; 7313C.
- 5-CS (training cruise area, mid-
channel, between West Point and
Skiff Point):
6914B; 7017B,Z; 7110B; 7313B.
- 5-PO: 6916D,H; 7011A,B; 7020.
- 5-HC (Dabob Bay, Broad Spit to Long
Spit): 7003A,B,E,G,H.
- 5-CS (Murden Cove):
7008A,B; 7016C; 2-7108.
- 4-HC (Anderson Cove): 7009A,B,C,D.
- 4-SJ (training cruise area, East
Sound, north of Rosario Point):
7010H; 7017H; 7110H; 7313H.
- 1-CS (mid Port Madison): 7011C.
- 2-SS (Lopez Sound, southwest of
Center Island): 7017I; 7110I.
- 1-CS (off West Point, toward Murden
Cove): 7017Y.
- 14-HC (Dabob Bay): 7102A,C,D,E,F,G,
H,J,K,N,O,Q; 7112A,B.
- 1-HC (off Pleasant Harbor): 7102M.
- 7-PO: 7104-2,1; 7105-1,2; 2-7107;
7313X.
- 2-E (training cruise area, north of
Langley, Saratoga Pass.):
2-7110D.
- 1-HC (west side across from
Vinland): 7112C.
- 1-HC (just south of floating
bridge): 7112D.
- 1-AI (just south of Foulweather
Bluff on east side of Hood Canal
entrance): 7112E.
- 3-E (Port Susan, north of Kayak
Point to Tulalip): 3-7112.
- 1-E (Elger Bay): 7112.
- 1-CS (training cruise area, mid-
channel, West Point to Skiff
Point): 4/4/73.

Miscellaneous Logs

- 2-B (Bellingham Bay):
Dick Tyler, 1965 data sheets.
- 1-SJ (San Juan Island):
Carleton Nash, personal
communication, 1964.
- 3-E: WSDF, Sport Fish., 1965-70.
- 18-S (Elliott Bay):
WSDF, Sport Fish., 1965-70.
- 3-S (off Duwamish Head to Alki
Point):
U.W. Ocean., 1964-67.
- 50+-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
- 19-PO (Narrows, south of Fletcher
Bay):
U.W. Ocean., P.O., 1964-65.
- 13-PO (north and south of Fletcher
Bay): U.W. Ocean., Hoh, 1963-67.
- 1-SS (Carr Inlet, off Horsehead
Bay): U.W. Ocean., Hoh, 1963-67.

Squalus acanthias

Squalidae

Miscellaneous Logs

- 19-SS (Case Inlet, off Taylor Bay to Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
- 7-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
- 12-E (Port Gardner Bay):
U.W. Ocean., Hoh, 1963-67.
- 22-E (Port Susan):
U.W. Ocean., Hoh, 1963-67.
- 4-E (Penn Cove):
U.W. Ocean., Hoh, 1963-67.
- 8-E (northeast of Rocky Point):
U.W. Ocean., Hoh, 1963-67.
- 3-E (off Demock Point):
U.W. Ocean., Hoh, 1963-67.
- 2-CS (south end of Possession Sound):
U.W. Ocean., Commando, 1968.
- 9-CS (off Skiff Point):
U.W. Ocean., Commando, 1968.
- 2-CS (south of Point Pully):
U.W. Ocean., Commando, 1968.
- 8-SS (Case Inlet):
U.W. Ocean., Commando, 1968.
- 3-PO: U.W. Ocean., Commando, 1968.
- 5-HC (near Seabeck):
U.W. Ocean., Commando, 1968.
- 4-E (Port Susan):
U.W. Ocean., Commando, 1968.
- 50+-CS (off Skiff Point to off Point Jefferson): U.W. Ocean., herring trawl, 1968-69.
- 1-S (Elliott Bay): U.W. Ocean., herring trawl, 1968-69.
- 50+-SS (mouth of Carr Inlet): U.W. Ocean., herring trawl, 1968-69.
- 50+-E (Port Susan): U.W. Ocean., herring trawl, 1968-69.
- 22-PO (south of Fletcher Bay): U.W. Ocean., herring trawl, 1968-69.
- 1-E (Penn Cove):
U.W. Ocean., Hoh, S.J., 1966.
- 2-E (Utsalady):
U.W. Ocean., Hoh, S.J., 1966.
- 2-E (Port Susan):
U.W. Ocean., Hoh, S.J., 1966.
- 2-E (Port Gardner Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 23-JF (Protection Island):
WSDF, groundfish trawl, 1970.
- 24-JF (Port Discovery):
WSDF, groundfish trawl, 1970.
- 1-CP (south of Olalla):
WSDF, groundfish trawl, 1970.
- 1-CP (Point Richmond):
WSDF, groundfish trawl, 1970.
- 9-AI (Port Townsend): WSDF, groundfish trawl, through 1970.
- 13-AI (Oak Bay): WSDF, groundfish trawl, through 1970.
- 1-AI (Olele Point): WSDF, groundfish trawl, through 1970.
- 2-AI (Skunk Bay): WSDF, groundfish trawl, through 1970.
- I-AI (Marrowstone Island): WSDF, groundfish trawl, through 1970.
- 1-E (Penn Cove): WSDF, groundfish trawl, through 1970.
- 1-SS (Drayton Pass.): WSDF, groundfish trawl, through 1970.
- 2-SS (Eld Inlet): WSDF, groundfish trawl, through 1970.
- 1-SS (Dana Pass.): WSDF, groundfish trawl, through 1970.
- 33-B (Bellingham Bay): WSDF, groundfish trawl, through 1970.
- 24-AI (east of Port Townsend to north of Marrowstone Island):
NMFS, Cobb-35.
- 6-JF (west of Protection Island):
NMFS, Cobb-35.
- 1-JF (between Protection Island and Port Discovery):
NMFS, Cobb-35.
- 3-SS (Carr Inlet):
NMFS, Cobb-68.
- 1-CS (Poverty Bay):
NMFS, Cobb-68.
- 1-E (between Whidbey Island and Gedney Island):
NMFS, Cobb-68.
- 3-E (Saratoga):
NMFS, Cobb-68.
- 3-E (Holmes Harbor):
NMFS, Cobb-68.
- 4-PO (south of Fletcher Bay):
NMFS, Cobb-68.
- 1-JF (northeast of Ediz Hook):
NMFS, Cobb-68.
- 1-HC (off Dabob Bay):
NMFS, Cobb-68.
- 1-HC (off Ayock Point):
NMFS, Cobb-68.
- 1-B (Eliza Island):
NMFS, Cobb-68.
- 2-E (Saratoga Pass., north of Holmes Harbor, mid-channel):
NMFS, Cobb-70.
- 1-HC (off Hoodspoint):
NMFS, Cobb-70.
- 1-HC (north off Liliwaup):
NMFS, Cobb-70.
- 1-CS (northwest off Edmonds):
NMFS, Cobb-70.
- 1-CS (off Norma Beach):
NMFS, Cobb-70.
- 1-CS (southeast of Port Madison):
NMFS, Cobb-70.
- 1-S (off Richmond Beach):
NMFS, Cobb-70.
- 1-SS (off north of Glen Cove):
NMFS, Cobb-72.
- 1-SS (off Wilson Point):
NMFS, Cobb-72.
- 1-CS (Port Madison):
NMFS, Cobb-72.
- 1-CS (Norma Beach):
NMFS, Cobb-72.
- 1-CS (off Skiff Point):
NMFS, Cobb-78.
- 1-CP (mid Colvos Pass.):
NMFS, Cobb-78.
- 3-E (lower Port Susan):
NMFS, Cobb-78.
- 1-HC (north of Seabeck Bay):
NMFS, Cobb-78.
- 2-JF (mid-channel, north of Morse Creek):
NMFS, Cobb-90.
- 1-JF (west of Hein Bank):
NMFS, Cobb-90.

Squalus acanthias

Squalidae

Miscellaneous Logs

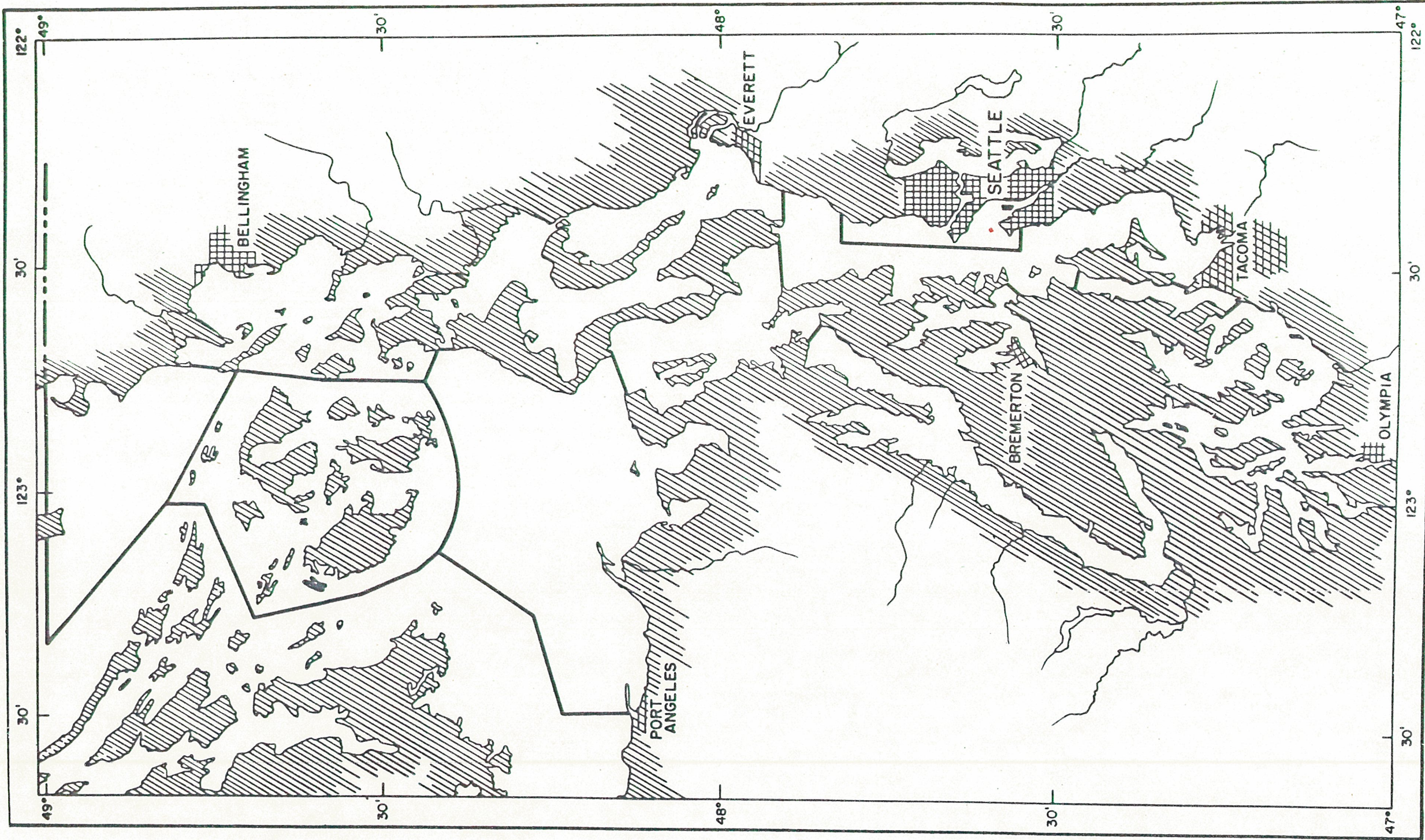
- 1-S (north off Meadow Point):
NMFS, Cobb-91.
- 4-E (north end of Saratoga Pass.):
NMFS, Cobb-91.
- 4-E (Holmes Harbor): NMFS, Cobb-91.
- 1-CS (off Apple Cove Point):
NMFS, Cobb-92.
- 1-JF (northwest off Dungeness):
NMFS, Cobb-92.
- 1-JF (off Dungeness Spit):
NMFS, Cobb-97-7.
- 1-S (off Golden Gardens):
NMFS, Cobb-75.
- 2-SS (Carr Inlet): NMFS, Cobb-75.
- 1-SS (Case Inlet): NMFS, Cobb-75.
- 2-E (Everett Harbor):
NMFS, Cobb, 1/20/61.
- 1-E (Saratoga Pass):
NMFS, Cobb, 1/20/61.
- 21-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
- 2-SJ (East Sound): NIH, 1968-71.
- 2-B (Eliza Island to Nooksack River to Marine Drive): NIH, 1968-71.
- 1-S (Duwamish Head to Alki Point):
NIH, 1968-71.
- 1-SS (Case Inlet, off Stretch Island to off Herron Island):
NIH, 1968-71.
- 8-CS (Port Madison):
Van Cleve, trap, 1961-65.
- 2-SS (Eld Inlet entrance):
Van Cleve, trap, 1961-65.
- 3-E (Holmes Harbor):
Van Cleve, trap, 1961-65.
- 1-E (Saratoga Pass., south of Penn Cove): Van Cleve, trap, 1961-65.
- 10+-SJ (Sucia Island):
Allyn Johnson, personal communication, 1972.
- 2-JF (beach seine, inside Dungeness Spit): Peninsula College, 1971.
- 5-JF (north of Ediz Hook):
NMFS, Cobb-25.
- 17-GS (tow area 1, Boundary Bay entrance):
WSDF, Gulf Georgia, 1969-71.
- 20-GS (tow area 2, off Birch Bay):
WSDG, Gulf Georgia, 1969-71.
- 20-GS (tow area 3, off Cherry Point):
WSDF, Gulf Georgia, 1969-71.
- 14-GS (tow area 4, off north of Neptune Beach):
WSDF, Gulf Georgia, 1969-71.
- 14-GS (tow area 5, north of Alden Bank):
WSDF, Gulf Georgia, 1969-71.
- 15-GS (tow area 5, southeast of Point Roberts):
WSDF, Gulf Georgia, 1969-71.
- 5-GS (tow area 7, mid-channel):
WSDF, Gulf Georgia, 1969-71.
- 5-GS (tow area 8, mid-channel):
WSDF, Gulf Georgia, 1969-71.
- 1-GS (tow area 9, mid-channel):
WSDF, Gulf Georgia, 1969-71.
- 2-SJ (East Sound): Bruce Miller, Diving Log, 1963-71.
- 1-SJ (lower East Sound): Bruce Miller, Diving Log, 1963-71.
- 1-CS (south of Possession Point):
NMFS, Cobb, 2/28/73.
- 10-JF (west of Protection Island):
NMFS, Cobb, 2/28/73.
- 1-GS (south of Cherry Point):
Sea Grant, 72209.
- 1-HC (off Big Beef Harbor):
Sea Grant, 72026.
- 2-B (north Bellingham Bay, mid-channel off Nooksack estuary):
Sea Grant, 72035.
- 1-E (east and northeast of Gedney Island):
NMFS, Streeter, 2/21/73.
- 1-E (Skagit and Similk Bays):
WSDF, Sport Fish., 1965-70.
- 11+-HC: WSDF, Sport Fish., 1965-70.
- 1-S (Edmonds): WSDF, groundfish trawl, through 1970.
- 2-SJ (north end of Orcas Island):
Allyn Johnson, sport catch, 1972.
- 1-GS (Point Roberts):
Al Milbun, Diving, 1961.
- 2-S (beach seine, north side of West Point): Sea Grant, 1973.
- 1-S (deep otter trawl, off West Point): Sea Grant, 1973.
- 2-B (Bellingham Bay, off Nooksack River Flats): Sea Grant, 73032.
- 1-SS (McLane Cove Bridge):
Steve Borton, personal communication, 9/11/73.
- 1-SS (Carr Inlet, in creek mouth at Rosedale):
Steve and Heidi Borton, personal communication, 12/73.
- 3-SS (mid-channel, McLane Cove to Stretch Island):
Sea Grant, 1973-74.
- 1-HC (off Union): Sea Grant, 1973.
- 5-HC (mid-channel, off Union):
Sea Grant, 1973-74.
- 2-HC (mid-channel, off Skokomish Flats): Sea Grant, 1973.
- 4-CS (Picnic Point to Norma Beach; Port Madison; south end of Bainbridge Island; Neill Point to Point Dalco on Vashon Island):
Doug Olander, Sport Catch Log, 1972-73.
- 2-CP (off Point Richmond):
Doug Olander, Sport Catch Log, 1972-73.
- 3-S (south side of West Point):
Doug Olander, Sport Catch Log, 1972-73.
- 1-PO (Agate Pass, south of buoy N6):
Doug Olander, Sport Catch Log, 1972-73.

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Squalidae

Miscellaneous Logs

- 2-E (northeast part of Holmes Harbor): Doug Olander, Sport Catch Log, 1972-73.
- 2-AI (Admiralty Head, off jetty and old ferry dock to Head): Doug Olander, Sport Catch Log, 1972-73.
- 3-E (Hope Island to Skagit-Kiket Island): Doug Olander, Sport Catch Log, 1972-73.
- 2-HC (Point Hannon to Hood Head): Doug Olander, Sport Catch Log, 1972-73.
- 3-S (north to south ends of Edmonds Breakwater): Doug Olander, Sport Catch Log, 1972-73.
- 1-SJ (Doe Bay): Doug Olander, Sport Catch Log, 1972-73.
- 1-E (Onamac Point): Doug Olander, Sport Catch Log, 1972-73.
- 1-HC (Bangor Wharf): Kramer, Chin and Mayo NCEL Survey, 1973.

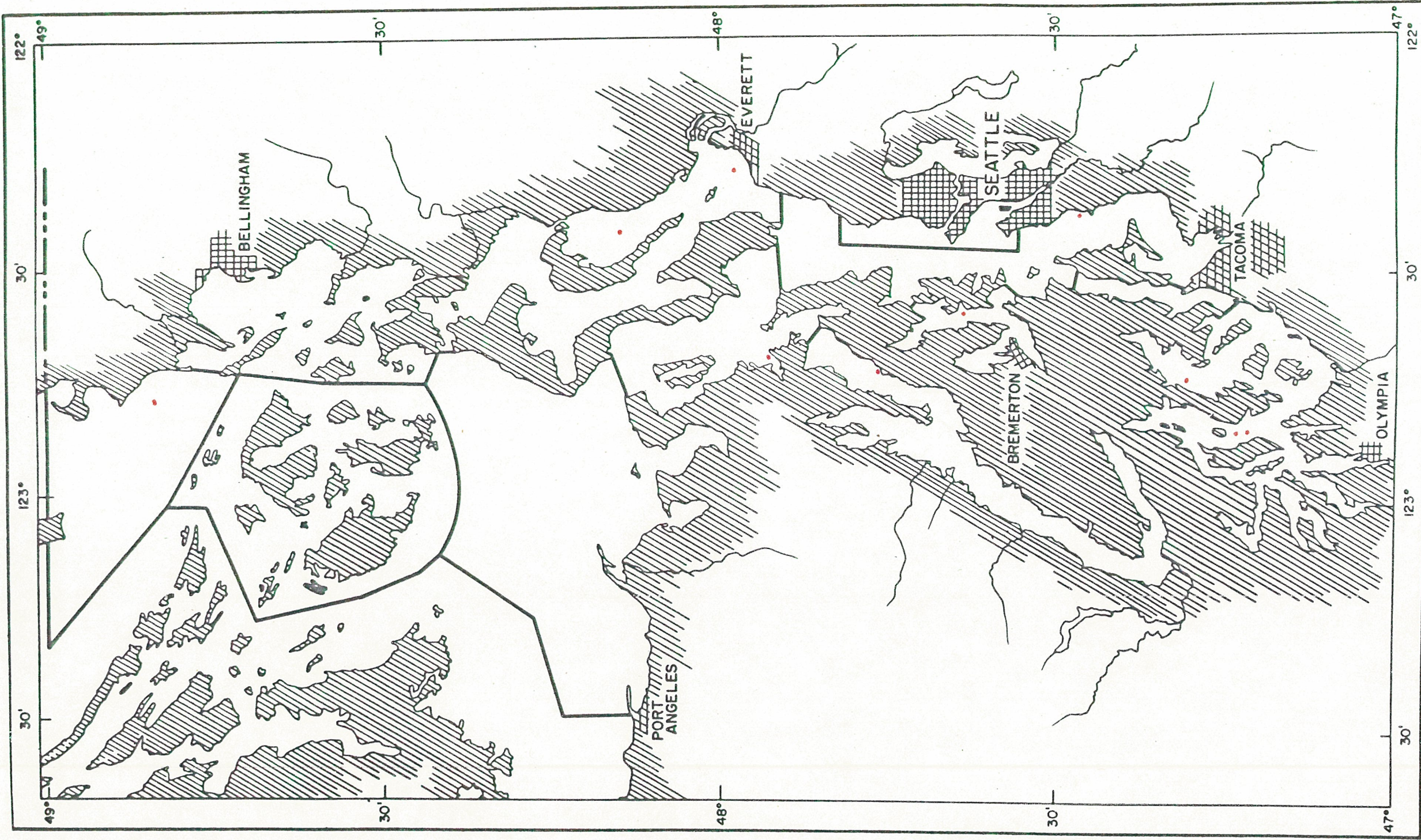


Squatina californica

Squatinidae

Published Records

1-S (near Seattle): Schultz et al.
1932 (also museum 1508).



Torpedo californica

Torpedinidae

Published Records

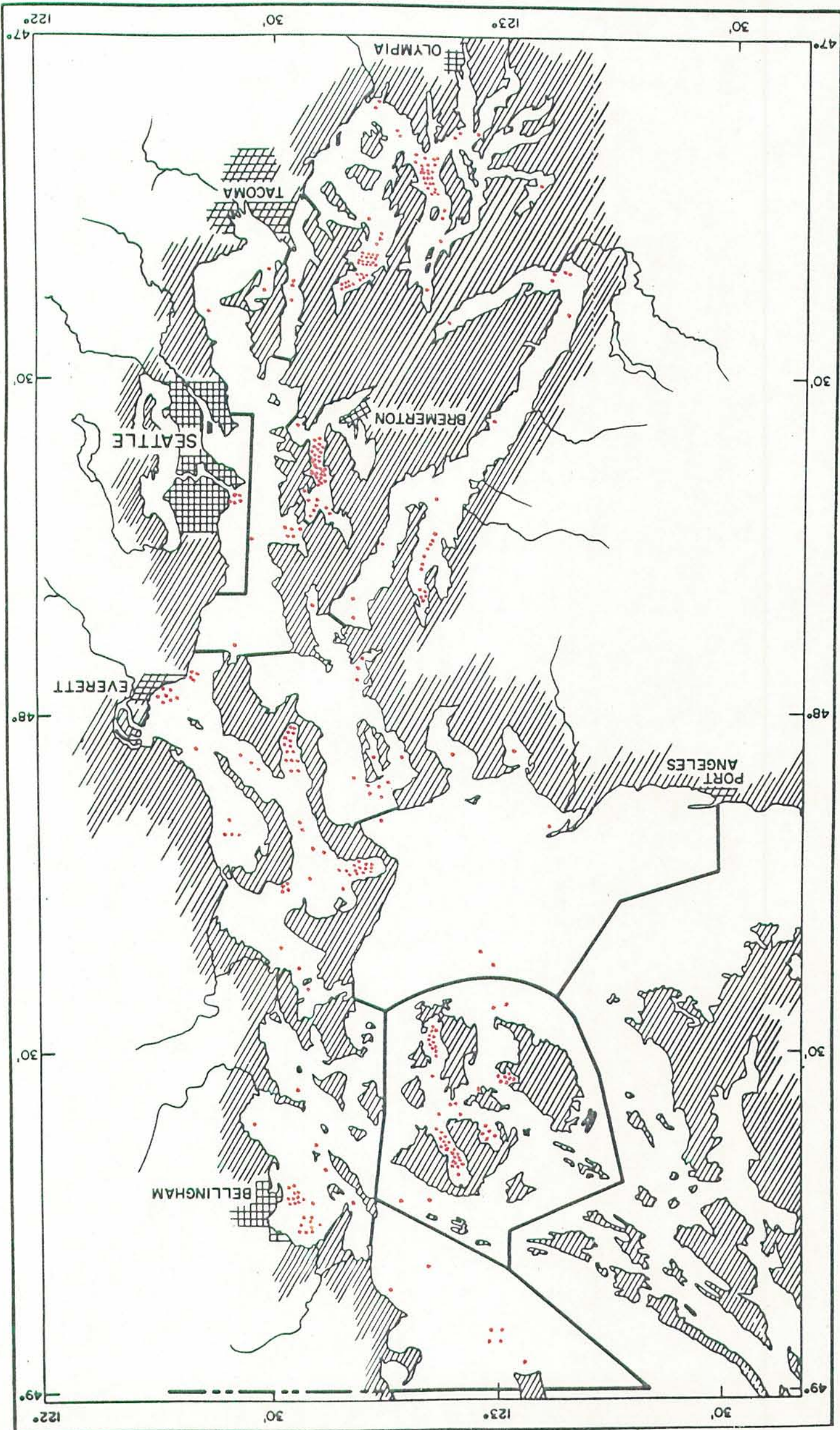
1-E (Port Susan): DeLacy and
Chapman, 1935 (also museum 2898).

University of Washington
Museum Collection

1-GS (between Alden Bank and Cherry
Point): 16932.
1-E (off Everett): 3653.
1-PO (probably off near Fletcher
Bay): 18954.

Miscellaneous Logs

1-AI (Port Ludlow):
Chuck Griswold, personal communi-
cation, spear fishing, 4/5/64.
2-SS (both Case and Carr Inlets):
at Tacoma (display) aquarium, C.
Brosseau, personal communication,
2/65.
1-HC (7 or 8 miles south of floating
bridge on east side, just north
of north Bangor boundary):
Andrew W. Anderson, personal
communication, specimen dead on
beach, 9/71.
1-CS (Seahurst Park): 3 divers,
were shocked, personal
communication, 5/9/72.
1-SS (Case Inlet): John Slipp,
personal communication, 1965.



Raja binocularata

Rajidae

Published Records

1-PS: DeLacy and Chapman, 1935.
 1-PS: Jordan and Gilbert, 1881c.
 1-SJ: Starks, 1911.
 1-PS: Kincaid, 1919.
 1-PS: Jordan and Starks, 1896.
 2-AI (Port Townsend):
 Evermann and Goldsborough, 1907.
 1-AI (Kilisut Harbor):
 Evermann and Goldsborough, 1907.
 1-AI (Port Ludlow): Starks, 1896b.
 1-HC (Hoodsport): Smith, 1937.
 1-JF (mid Point Wilson to Admiralty Head):
 Evermann and Goldsborough, 1907.
 1-AI (north of Kala Point):
 Evermann and Goldsborough, 1907.
 1-AI (Port Ludlow, Colvos Rocks):
 Evermann and Goldsborough, 1907.
 4-GS: Smith, 1936.
 8-B (Bellingham Bay): Smith, 1936.
 5-E (Coupeville): Smith, 1936.
 1-E (Oak Harbor): Smith, 1936.
 1-JF (Sequim Bay): Smith, 1936.
 1-JF (Port Discovery): Smith, 1936.
 1-AI (Port Townsend): Smith, 1936.
 1-HC (Bangor): Smith, 1936.
 1-HC (Dabob Bay): Smith, 1936.
 2-E (Skagit Bay): Salo, 1969.
 1-E (Holmes Harbor): Hanson, 1967.
 1-SJ (East Sound): Hanson, 1967.
 1-SJ (West Sound): Hanson, 1967.
 1-SJ (Lopez Sound): Hanson, 1967.
 1-SJ (Upright Head): Hanson, 1967.
 1-JF (Middle Channel):
 Hanson, 1967.
 1-SJ (Lopez Island): Read, 1969.
 1-B (Bellingham Bay): Read, 1969.
 1-SJ (Friday Harbor): Lloyd, 1936.
 1-SJ (Friday Harbor):
 Kohlruss, 1933.
 1-SJ (San Juan Island): Hart, 1935.
 1-SJ (Friday Harbor): Hart, 1935.
 1-GS (Point Roberts): Hart, 1935.
 1-E (Skagit and Similk Bays):
 Stober and Salo, 1970a.

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1-PS: 418.
 1-E (off Everett): 3585.
 1-PS: 3662.
 1-PS: 4864.
 1-B (Hale Pass.):
 16068 (also boat 491I).

Friday Harbor Laboratory Log

3-SJ (West Sound):
 6/23/51-1; 7/26/61; 6/27/63-B.
 1-SJ (Upright Head): 6/28/51-1.
 4-SJ (Lopez Sound): 7/12/51-2;
 7/28/55-1; 6/16/61; 7/8/69-2.
 1-SJ (north of Hunter Bay):
 6/19/50-5 (also boat 5033G).

2-SJ (lower East Sound): 6/20/50-2
 (also boat 5033I); 6/26/73-1.
 1-SJ (northwest of Barnes Island):
 6/20/50-3 (also boat 5033J).
 1-SJ (south of Orcas Island):
 6/24/52.
 1-B (south of Eliza Island):
 8/8/55-1.
 1-B (off Inati Bay): 8/8/55-2.
 1-SJ (Lopez Sound or East Sound):
 7/1/52.
 1-SJ (Salmon Banks): 7/7/52-2.
 7-SJ (East Sound): 8/11/52;
 7/6/60-2; 6/20/61; 7/26/60-1;
 5/11/62; 6/29/71-1; 7/6/71-1.
 1-SJ (Squaw Bay): 8/1/55.
 1-JF (west of McArthur Bank):
 8/3/55-1 (also boat 5520A).
 1-B (Bellingham Bay): 1968.
 1-SJ (East or West Sound): 7/25/55.
 1-SJ (southeast of Cattle Point):
 8/3/55-2 (also boat 5520B).
 1-SJ (west of Center Island):
 8/8/55-1.
 1-SJ (Upright Head to East Sound):
 7/10/61-2.
 4-SJ (mid East Sound):
 1/17/64; 4/3/64; 6/5/64; 7/11/64.
 2-SJ (Friday Harbor):
 7/9/69; 7/10/69-1.
 2-SJ (Friday Harbor Lab):
 7/13/69; 7/17/69-1.

University of Washington Boat Log

1-GS (north of Alden Bank): 491G.
 1-GS (off Cherry Point): 491H.
 1-SJ (East Sound): 5033M.
 2-SJ (west of Ram Island, Lopez Sound): 491P; 5033R.
 1-SJ (West Sound): 5033L.
 1-SJ (between Puffin Island and Orcas Island): 491E.
 1-SJ (Lopez Sound, south of Spencer Spit): 5033P.
 2-SJ (training cruise area, Lopez Sound, southwest of Center Island): 7118I; 7017I.
 4-SJ (East Sound, north of Rosario Point):
 6517H; 6603H; 7307H; 7313H.
 10-B (training cruise area, southwest of Post Point):
 6507G9; 6512G; 6517G; 6614G;
 6815G; 6822G; 7307G; 7017G;
 7010G; 7017G.1.
 2-E (Holmes Harbor, off Rocky Point to off Dines Point):
 491Q; 5234A.
 3-E (Port Susan, off Warm Beach):
 5023C,A,B.
 1-E (off Mission Beach): 5023F.
 2-E (Penn Cove mouth, off Long Point to off Snatelum Point):
 5213A; 5810G.

Raja binoculata

Rajidae

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- 1-E (off Coupeville to off Lovejoy Point): 5213C.
 6-E (Holmes Harbor, south of Classic):
 5234F; 5316D,E; 5501A,C,E.
 3-E (Holmes Harbor, south of Dines Point to off Classic):
 5305C; 5405H; 5501D.
 4-E (Holmes Harbor):
 5305F; 5420C; 5604D,F.
 1-E (Saratoga Pass., off Saratoga to off Langley): 53210.
 6-E (Penn Cove):
 5405I,J,K; 5420E; 5522F,G.
 2-E (Saratoga Pass., off Onamac Point to off Indian Beach):
 5405M, 5418L.
 2-E (in Elger Bay): 54050; 5418I.
 4-E (off Mukilteo):
 5604A,B,C; 6407.
 1-E: 5712B.
 1-E (Saratoga Pass., off south of Snatelum Point to off north of Onamac Point): 5712C.
 1-E (training cruise area, off Penn Cove): 6614E.
 2-E (Saratoga Pass.):
 6801.5; 6821.5D.
 1-AI (east of north end of Marrowstone Island): 6507J.
 1-HC (off Shine): 12/28/48-1.
 1-HC (off Lofall): 12/28/48-4.
 4-HC (Dabob Bay): 6202C; 6105A,B,C.
 5-HC (Dabob Bay, Broad Spit to Long Spit):
 6601C; 6724A; 7202E,H; 7003B.
 1-PO: 7104-1.
 2-PO (Agate Pass., between buoy N4 and buoy N6): 5106E; 5131A.
 43-PO (off Fletcher Bay to off south of Battle Point): 5207D,E;
 5226A; 5228F; 5232C; 5235P;
 5301A; 5302BB; 5306A; 5317B;
 5504; 5507; 5523A; 5602A,B;
 5615D; 5901AK; 5904A,B,C; 5905A;
 5912A; 5915A,B; 5919A; 6001AM,AN;
 6008A; 6016A3,B5; 6021A,B,C,D,E;
 6111A; 6205D3; 6307; 6320A;
 6046C; 6427B; 6507K; 6707.
 9-PO (off south of Fletcher Bay, north from "B-2"):
 5229C,D; 5413E; 5421D; 5503B;
 5801A,B; 6118A,C.
 3-PO (off Manzanita to buoy N6 to off Seabold):
 5236B; 5310.2B; 5310.4B.
 4-PO (between "B-2" and "B-1"):
 5236F; 5301C; 5526A; 6205C3.
 1-PO (in Manzanita Bay): 5310.3C.
 2-PO: 5306B; 6002A.
 2-PO (Point Bolin to Keyport):
 5310.4D,E.
 4-S (off Golden Gardens):
 491A; 5029A; 5508E; 5521.
 1-S (beach seine, Golden Gardens):
 5016D.
- 1-CS (mid-channel, Point Jefferson to Carkeek): 5911B.
 3-CS (Port Madison, off Indianola):
 492A; 5006D; 5043A.
 1-CS (off Cultus Bay): 5032A.
 1-CS (mid Quartermaster Harbor):
 5042C.
 1-CS (mouth of Quartermaster Harbor): 5104B.
 1-CS (north of Des Moines): 5224A.
 1-CS (Port Madison, near Agate Pass.): 5236A.
 1-CP (off south of Sanford Point):
 7/18/49-1.
 1-CP (off north of Camp Sealth):
 7/21/49-3.
 1-CP (off Camp Sealth): 5104CC.
 2-SS (west of Herron Island):
 5009G; 5126H.
 2-SS (northwest end of Nisqually Reach): 5009I; 5201M.
 17-SS (off Glen Cove to off Raft and Cutts Islands):
 5009J; 5037G; 5045H; 5104J,L,P;
 5204B,C,D,E,K,L,M,N; 5613H,I,F.
 7-SS (off Wauna to off south of Wauna):
 5037I; 5045I; 5101A; 5104E,F,G,W.
 1-SS (southwest off Green Point):
 5104T.
 1-SS (Oakland Bay off Shelton):
 5115B.
 5-SS (off Minter Creek to off Elgin):
 5101C; 5104D; 5126F; 5135A,D.
 1-SS (Case Inlet, off Victor):
 5126G.
 1-SS (Dana Passage, off Unsal Point): 5201J.
 1-SS (off McLane Cove to south end of Stretch Island): 5201L.
 1-SS (Dana Pass., Brisco Point to Dofflemeyer Point): 5204H.
 2-SS (Carr Inlet): 5522A; 5703A.
 2-SS (Case Inlet): 5613K,L.
 1-SS (Carr Inlet, mid-channel, Glen Cove to Green Point): 6724B-2.
 1-SS (Case Inlet, east of Hartstene Island): 6724C.
 4-PO: 6515-2; 6713E,F; 6716.5.
 2-PO: 6916H; 7104.
 1-HC (just south of Dabob Bay):
 7003K.
 1-HC (Anderson Cove): 7009C.
 1-HC (Dabob Bay): 7102B.
 2-B (training cruise area, Bellingham Bay, southwest of Post Point): 7110G; 7313G.
 1-SJ (training cruise area, Lopez Sound, southwest of Center Island): 7110I.

Miscellaneous Logs

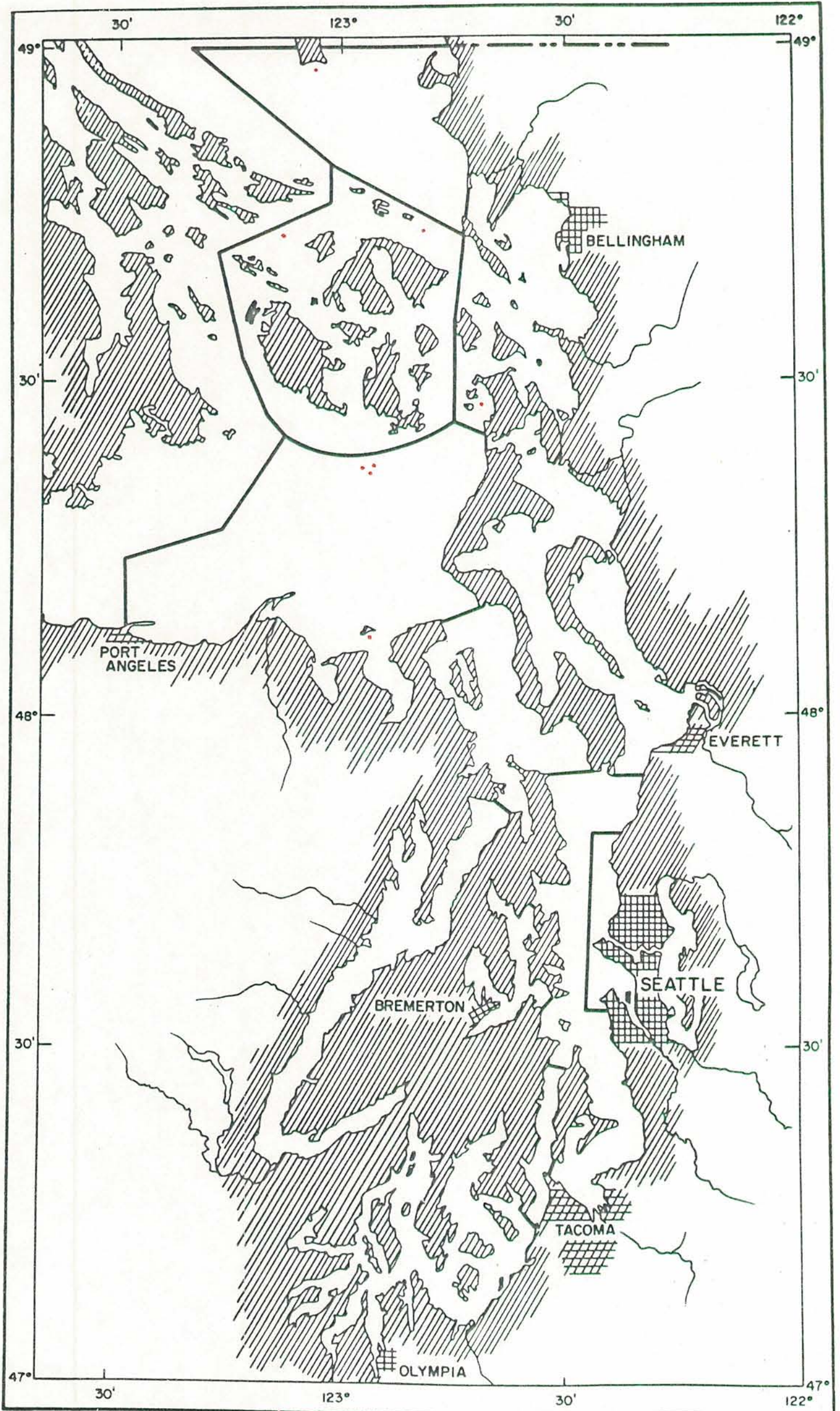
- 5-E (Port Gardner Bay):
 U.W. Ocean., P.G., 1962-67.

Raja binocularata

Rajidae

Miscellaneous Logs

- 12-PO (Narrows, south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
- 4-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
- 1-HC (Lynch Cove):
U.W. Ocean., Hoh, 1963-67.
- 18-SS (Case Inlet, off Taylor Bay to off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
- 1-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
- 4-E (northeast of Rocky Point):
U.W. Ocean., Hoh, 1963-67.
- 2-E (Penn Cove):
U.W. Ocean., Hoh, 1963-67.
- 1-E (Port Susan):
U.W. Ocean., Hoh, 1963-67.
- 1-SS (Case Inlet):
U.W. Ocean., Commando, 1968.
- 1-B (Padilla Bay, near William Point):
U.W. Ocean., Hoh, S.J., 1966.
- 1-B (Samish Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 2-AI (east of Port Townsend, north of Marrowstone Island):
NMFS, Cobb-35.
- 1-PO (Narrows, south of Fletcher Bay): NMFS, Cobb-68.
- 1-E (Everett Harbor):
NMFS, Cobb, 1/20/61.
- 5-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
- 2-SJ (East Sound): NIH, 1968-71.
- 1-PO (Clam Bay): NIH, 1968-71.
- 1-SS (entrance to Eld Inlet):
Van Cleve, trap, 1961-65.
- 1-E (Penn Cove):
Van Cleve, trap, 1961-65.
- 1-JF (Dungeness Spit): Bill High, personal communication, 8/2/71.
- 1-SS (Nisqually Reach, off mud flats): Sea Grant, 72034.
- 1-AI (Port Gamble): Bill High, personal communication, 7/57.
- 1-AI (Port Ludlow): Bill High, personal communication, 1958.
- 1-E (Saratoga Pass., west side south of Penn Cove):
Van Cleve, trap, 1961-65.
- 1-SS (off Nisqually River-McAllister Creek Delta): Sea Grant, 1973.
- 1-HC (mid-channel, off Union):
Sea Grant, 1974.
- 2-HC (off Skokomish Flats):
Sea Grant, 1973.



Raja kincaidi

Rajidae

Published Records

- 1-SJ: Garman, 1908.
1-SJ: Garmen, 1913.

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- 1-GS (off Point Roberts): 6021.
1-JF (west of McArthur Bank):
11022.
1-JF (west of McArthur Bank):
17741 (also Friday Harbor Log,
7/18/63-1).

Friday Harbor Laboratory Log

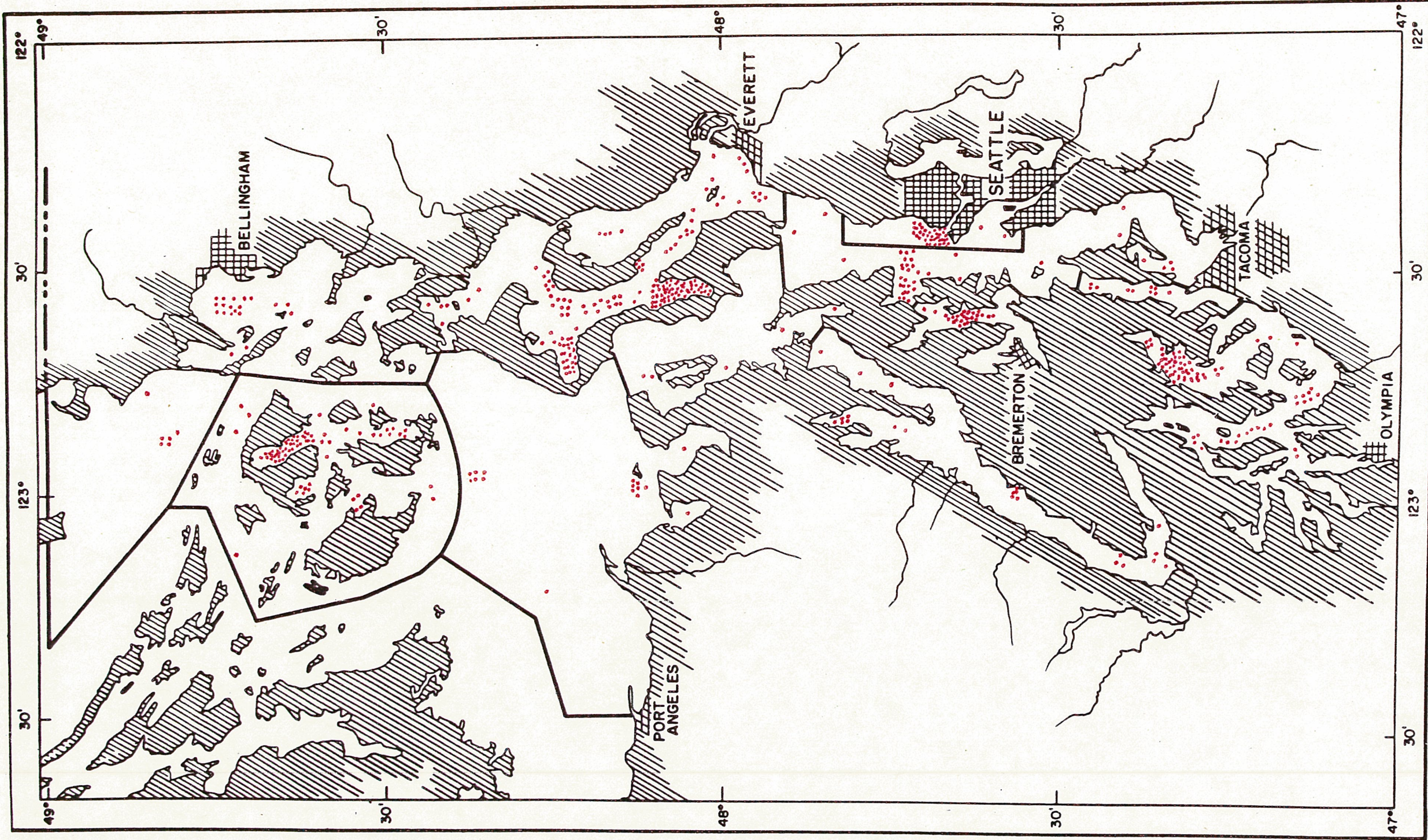
- 1-SJ (off northwest Barnes Island):
6/20/50-3.
1-JF (west of McArthur Bank):
8/3/69.

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- 1-SJ (between Skipjack Island and
Turn Point): 491C.
1-B (Burrows Bay): 5033S.

Miscellaneous Logs

- 1-JF (Protection Island):
Battelle, 1967-69.



Raja rhina

Rajidae

Published Records

1-PS: DeLacy and Chapman, 1935.
 1-PS: Jordan and Gilbert, 1881c.
 1-PS: Jordan and Starks, 1896.
 1-SJ: Starks, 1911.
 1-PS: Kincaid, 1919.
 4-GS: Smith, 1936.
 10-B (Bellingham Bay): Smith, 1936.
 6-E (Coupeville): Smith, 1936.
 1-E (Oak Harbor): Smith, 1936.
 1-JF (Sequim Bay): Smith, 1936.
 1-JF (Port Discovery): Smith, 1936.
 1-AI (Port Townsend): Smith, 1936.
 1-AI (Port Gamble): Smith, 1936.
 1-HC (Bangor): Smith, 1936.
 1-B (Hale Pass.): Smith, 1936.
 1-E (Camano Head): Smith, 1937.
 1-E (Mukilteo): Smith, 1937.
 1-E (Columbia Beach): Smith, 1937.
 3-E (Gedney Island): Smith, 1937.
 1-SJ (Obstruction Island):
 Smith, 1937.
 1-SJ (Blakely Island): Smith, 1937.
 1-E (Dewey): Smith, 1973.
 1-E (Dines Point): Smith, 1937.
 1-E (Watsak Point): Smith, 1937.
 1-E (Utsalady): Smith, 1937.
 1-CS (Meadowdale): Smith, 1937.
 2-HC (Hoodsport): Smith, 1937.
 1-HC (Skokomish Flats):
 Smith, 1937.
 1-SS (Carr Inlet): Smith, 1937.
 1-SS (McNeil Island): Smith, 1937.
 2-E (Skagit or Similk Bays):
 Stober and Salo, 1970b.
 4-E (Skagit Bay): Salo, 1969.
 1-E (Holmes Harbor): Hart, 1935.
 2-HC (Anderson Cove): Chew, 1970.

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Museum Collection

1-PS: 196.
 1-S (Golden Gardens): 777.
 2-SJ (Friday Harbor): 1849; 3569.
 1-SJ (Olga): 1966.
 2-E (off Camano Head, Saratoga
 Pass.): 2550; 3572.
 1-E (east of Gedney Island): 2577.
 1-E (off Snohomish River): 2632.
 2-E (Saratoga Pass.): 2917; 3571.
 1-E (Port Susan): 2935.
 1-PS: 3661.
 1-CS (mid Port Madison):
 5787 (also boat 492B).
 1-CS (northeast off Apple Cove
 Point): 8895 (also boat 5009A).
 1-HC (off Union):
 8907 (also boat 499H).
 1-E (off Watsak Point, Saratoga
 Pass.): 5218.
 1-SJ (mid East Sound): 17146.
 1-SS (mid East Sound):
 18643 (also NIH, 1964-66).
 1-SJ (mid East Sound): 18653 (also
 Friday Harbor Log, 6/5/64).

1-SJ (lower East Sound):
 19477 (also NIH, 1964-66).

Friday Harbor Laboratory Log

8-SJ (East Sound):
 6/28/51-2; 8/11/52; 7/6/60-2;
 7/26/60-1; 8/13/60-1; 6/20/61;
 5/11/62; 7/6/71-1.
 1-SJ (Spencer Spit, Lopez Sound):
 6/28/51-3.
 1-SJ (off Rocky Bay): 6/30/51-1.
 6-JF (west of McArthur Bank):
 7/12/51-1; 7/7/52-1; 8/3/55-1
 (also boat 5520A); 8/8/60;
 7/8/69-1; 7/19/63-1 (also museum
 17692, 17850, and 17670).
 3-SJ (Lopez Sound):
 7/12/51-2; 7/28/55-1; 7/6/60-1.
 1-B (Bellingham Bay): 7/26/51-2.
 1-SJ (west of James Island):
 7/24/50-4.
 2-SJ (lower East Sound): 6/19/50-5
 (also boat 5033I); 8/22/55-5.
 1-B (south of Eliza Island):
 8/8/55-1.
 1-SJ (south Orcas): 6/24/52.
 1-SJ (Lopez Sound to East Sound):
 7/1/52.
 1-SJ (Salmon Bank): 7/7/52-3.
 5-SJ (West Sound): 7/9/52-3 (also
 boat log, 5220I); 7/26/60-2;
 8/13/60-2; 6/26/61; 8/4/61-1.
 1-SJ (off Friday Harbor Lab):
 7/31/52.
 1-SJ (East or West Sound): 7/25/55.
 1-SJ (southeast of Cattle Point):
 8/3/55-2 (also boat 5520B).
 1-SJ (west of Center Island):
 8/11/55-1.
 1-SJ (Upright Head to Obstruction
 Pass.): 8/22/55-4.
 5-SJ (mid East Sound):
 8/22/55-7; 2/21/64; 4/3/64;
 7/11/64; 6/20/69-1.
 1-SJ (north of Hunter Bay):
 6/19/50-5 (also boat 5033G).
 1-SJ (off northwest Barnes Island):
 6/20/50-3 (also boat 5033J).
 1-SJ (West Sound or Lopez Sound):
 6/27/60.
 1-SJ (Upright Head to Olga):
 8/1/60-2.
 1-PS (Cattle Point to Smith Island):
 6/28/61-1.
 1-SJ (off Friday Harbor): 8/22/69.

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1-GS (north of Alden Bank): 491G.
 1-GS (off Cherry Point): 491H.
 1-SJ (Skipjack Island to Turn
 Point): 491C.
 1-SJ (between Puffin Island and
 Orcas Island): 491E.

Raja rhina

Rajidae

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- 1-SJ (off Raccoon Point toward Barnes Island): 491F.
 1-SJ (north end of East Sound): 491M.
 2-SJ (Lopez Sound, west of Ram Island): 491P; 5033R.
 1-SJ (West Sound): 5033L.
 1-SJ (East Sound): 5033M.
 6-SJ (training cruise area, East Sound, north of Rosario Point): 6507H; 6603H; 6620H; 6717H; 6908A; 7307H.
 1-B (Hale Pass.): 491I.
 2-B (training cruise area, southwest of Post Point): 6507G9; 6603G.
 16-E (Holmes Harbor, off Rocky Point to off Dines Point): 491Q; 5220D; 5220O; 5234A,C; 5307A,C,D, K,R,S; 5312H,I; 5327C,D,E.
 2-E (off Warm Beach, Port Susan): 5023A,B.
 1-E (off Mission Beach): 5023E.
 1-E (off Utsalady Point): 5321E.
 3-E (Penn Cove mouth, off Long Point to off Snatelum Point): 5213A; 5220E; 5330H.
 7-E (Penn Cove, off Coupeville to off Lovejoy Point): 5213B,C; 5316I,J; 5321A,H; 5418E.
 2-E (off Oak Harbor to Blower Bluff): 5220F,N.
 1-E (north end Saratoga Pass., south of Point Polnell): 5220M.
 27-E (Holmes Harbor, south of Classic): 5234E,F; 5305A,B,G; 5307E,F,G,H, M,N,O,P,T,U; 5312B,D,L,N; 5316D; 5501A,B,C,E,F; 5810E.
 9-E (Holmes Harbor, south of Dines Point to off Classic): 5305C; 5312F,G,J,K; 5405G,H; 5501D; 5712E.
 44-E (Holmes Harbor): 5305E,H,I,J,K,L,M; 5307V; 5325A, B,C,E; 5327A; 5330B,C,L; 5405A,B, C,D,E,F; 5418A,B,C,D; 5420A,B,H; 5522D,E; 5604E,F,G,H,I; 5613P,S; 5614E,E,F; 5703E,G,H.
 6-E (Saratoga Pass., south of Snatelum Point to off north of Onamac Point): 5316K,L; 5330F,I; 5418H; 5712C.
 1-E (Saratoga Pass., off east of Snatelum Point): 5321J.
 5-E (Saratoga Pass., Onamac Point to Indian Beach): 5321K; 5405L,M,N; 5418L.
 21-E (Penn Cove): 5327F,G; 5330G; 5405I,J,K; 5418F, G; 5420E,F,G; 5522F,G; 5613U,V,W; 5614H,I,J; 5712A; 5810H.
 5-E (in Elger Bay): 5405O,P,Q; 5418I,J.
 2-E (Saratoga Pass., off North Bluff to off Greenbank): 5418M,N.
 4-E (off Mukilteo): 5604C,B; 5613M,N.
 1-E: 5712B.
 2-E (south end of Saratoga Pass.): 6620E; 6722Y.
 4-E (training cruise area, off Penn Cove): 6603E; 6717E; 6815E; 6826E.
 2-E (training cruise area, Saratoga Pass., north of Langley): 6819D; 6914D.
 1-AI (off White Rock): 499K.
 1-AI (off Port Townsend): 5009B.
 1-AI (Oak Bay, north of Olele Point): 5009C.
 1-HC (off Shine to off Sisters): 499C.
 1-HC (across from Hoodspoint): 499F.
 1-HC (off Sister Point): 499G.
 1-HC (Dabob Bay, off Tabook Point): 499I.
 1-HC (off Thornedyke Bay): 499J.
 5-HC (Dabob Bay, Broad Spit to Long Spit): 6629B,E; 6828B; 6902E,F.
 8-CS (mid Port Madison): 1/22/49-5; 492A; 5006D; 5048B; 5122A,B; 5132D; 5812A.
 5-CS (off Port Madison): 495A,B; 497A,B; 5043C.
 1-CS (off Cultus Bay): 5032A.
 3-CS (mouth of Quartermaster Harbor): 5042A; 5104B; 5115H.
 1-CS (mid Quartermaster Harbor): 5042D.
 1-CS (Tramp Harbor): 5104A.
 1-CS (east off Blake Island): 5115I.
 1-CS (mid-channel, off West Point): 5115J.
 1-CS (north of Des Moines): 5224A.
 4-CS (off Agate Pass., off Suquamish): 5232A; 5236A; 5302AA, 5317C.
 5-CS (mid-channel between Meadow Point and Port Madison): 5314B; 5516A; 5608A; 5709B; 5911B.
 2-CS (east off Point Monroe): 5805C; 5813B.
 1-CS (Murden Cove): 6818B.
 1-PO (between buoy N4 and N6): 5132C.
 21-PO (off Fletcher Bay to off south of Battle Point): 5206B; 5207O; 5223B; 5226B; 5228E,F; 5230F; 5232C; 5201A; 5309A; 5310.5G; 5315B; 5402X; 5504; 5615A; 5809A; 5912A; 5915B; 5919A; 5923B; 6101A.
 2-PO (off Battle Point to off north of Battle Point): 5309B; 5310.3A.
 2-PO (between "B-2" and "B-1"): 5301C; 5236F.
 4-PO (off south of Fletcher Bay): 5229A,D; 5413C,D.

Raja rhina

Rajidae

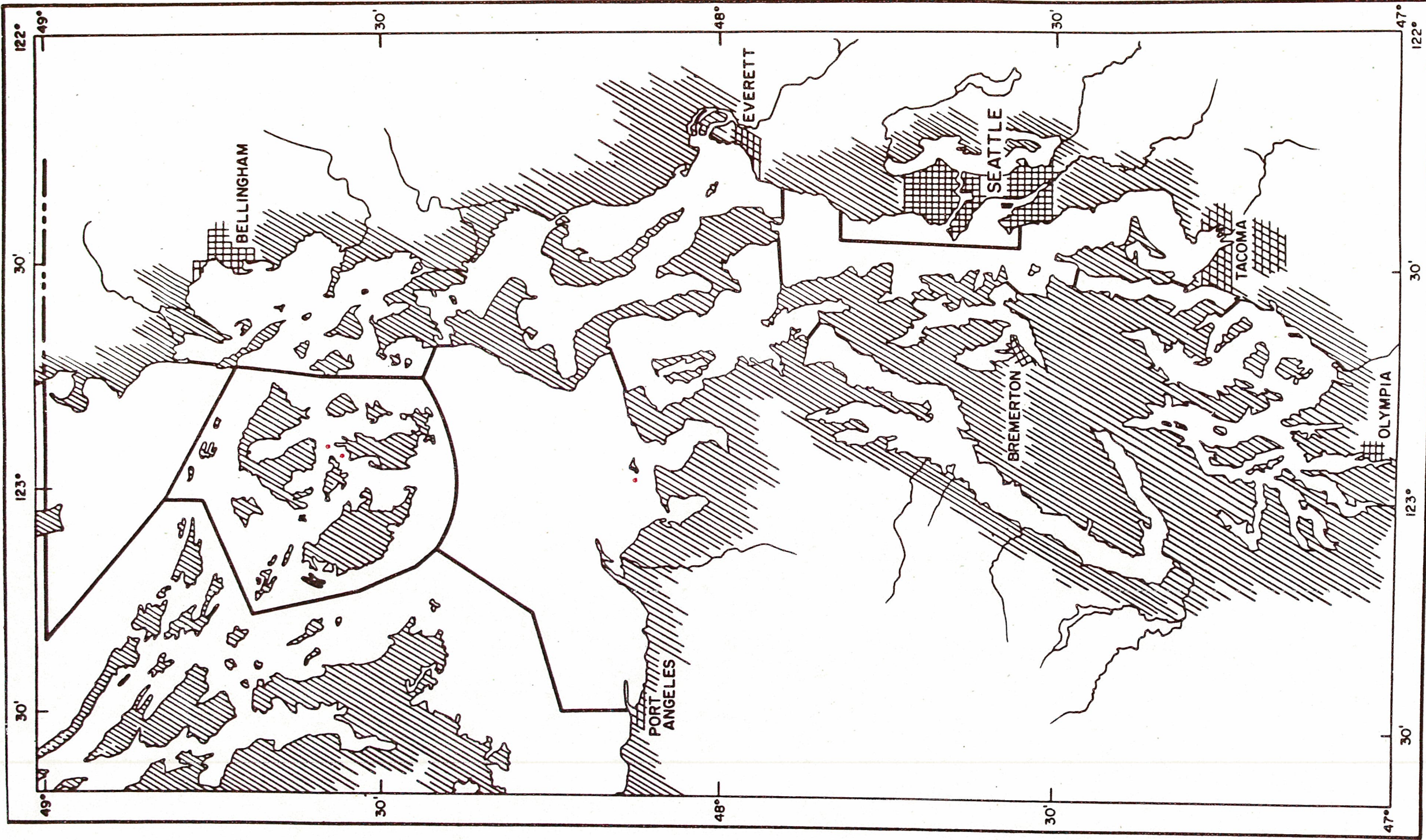
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- 1-PO (off Manzanita to off Seabold):
5310.5E.
1-PO: 6419.
4-S (beach seine, Golden Gardens to
Meadow Point):
5021F; 5047A; 5134A; 5215A.
49-S (off Golden Gardens to off
Meadow Point):
491A; 492D,F; 494C,F; 495D; 496B,
C; 498A; 4910A; 5008B; 5009K,L;
5011D; 5017B,C,D,E; 5025; 5029A,
D,E; 5033A; 5034B,E,G; 5039A,D;
5041A; 5110B,C,D; 5112B,C; 5119C,
D,G,H; 5126A; 5129D; 5131C;
5132A; 5203C,D; 5233B,C; 5416B;
5512F; 6114A.
11-S (off north of Meadow Point to
Carkeek Park):
5020A; 539C; 5041B; 5044A; 5110A;
5119B; 5203B; 5212A,B,E,F.
1-S (off Alki Point toward Duwamish
Head): 5027B.
1-S (Elliott Bay, off Four-Mile Rock
to Pier 91): 5027C.
2-CP (off Sandford Point):
7/18/49; 5126N.
1-CP (south end of West Pass.):
7/21/49-1.
4-CP (off Camp Sealath):
7/21/49-2,3; 5104CC,DD.
3-CP (off Cove):
5046A; 5133Q; 5135E.
2-SS (off McLane Cove to south end
of Stretch Island):
7/20/49-3; 5201L.
2-SS (west off Herron Island):
5009G; 5126H.
18-SS (off Minter Creek to Elgin):
7/19/49-1; 5037H; 5045G,J; 5046C;
5101C; 5104D,V,X; 5107A; 5126D,F;
5135B,C,D; 5213F; 5227G,I.
8-SS (northwest end of Nisqually
Reach to south of Devils Head):
7/20/49-5; 5009I; 5126J; 5201C,D,
M; 5204F,G.
1-SS (north end Pickering Pass. to
off McLane Cove): 5009H.
34-SS (off Glen Cove to west of Raft
and Cutts Islands): 5009J;
5037C; 5045A,K; 5101B; 5102A;
5104J,K,L,M,N,O,P,Q,Y,Z,AA;
5115F; 5126M; 5201A; 5204A,C,D,E,
K,L; 5213D; 5613A,C,D,E,F,I,B.
3-SS (mouth of Carr Inlet, southwest
of Green Point): 5037A; 5104S,T.
1-SS (mid-channel, Gibson Point to
Gertrude Island): 5046D.
4-SS (off Wauna to off south of
Wauna): 5101A, 5104W,F; 5227C.
1-SS (off north of Home to off
Horsehead Bay Spit): 5104R.
1-SS (west of Kerron Island):
5126K.
1-SS (Dana Pass., off Unsal Point):
5201J.

- 1-SS (Dana Pass., Brisco Point to
Dofflemeyer Point): 5204H.
5-SS (Carr Inlet):
5522C,B; 5605A,D; 5703D.
2-SS (Case Inlet): 5613J,K.
2-SS (mid Glen Cove to Green Point):
6724B-1,3.
1-SS (Case Inlet, east of Hartstene
Island): 6724C.
1-SJ (training cruise area, East
Sound, north of Rosario Point):
6914H.
1-PO: 6916D.
2-HC (Anderson Cove): 7009A,C.
1-HC (Dabob Bay): 7102L.
1-SJ (training cruise area, Lopez
Sound, southwest of Center
Island): 7110I.
1-HC (Anderson Cove): 7009B.

Miscellaneous Logs

- 2-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
1-PO (Narrows, just south of
Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
3-SS (Case Inlet, off Taylor Bay to
off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
1-E (Penn Cove):
U.W. Ocean., Hoh, 1963-67.
5-E (off Demock Point):
U.W. Ocean., Hoh, 1963-67.
1-E (Port Susan):
U.W. Ocean., Hoh, 1963-67.
3-E (northeast of Rocky Point):
U.W. Ocean., Hoh, 1963-67.
1-B (Bellingham Bay):
U.W. Ocean., Hoh, S.J., 1966.
1-SS (Case Inlet): WSDF, Commercial
Catch Comp., 1966-71.
2-B (Eliza Island): NMFS, Cobb-68.
1-E ((Saratoga Pass.):
NMFS, Cobb, 1/20/61.
17-SJ (East Sound, south of Rosario
Point): NIH, 1964-66.
2-SJ (East Sound): NIH, 1968-71.
1-E (Holmes Harbor):
Van Cleve, trap, 1961-65.
1-SJ (East Sound): Bruce Miller,
Diving Log, 1963-71.
7-JF (west of Protection Island):
NMFS, Cobb, 2/28/73.
1-E (Everett):
WSDF, Sport Fish., 1965-70.
1-E (Utsalady):
U.W. Ocean., Hoh, S.J., 1966.
1-JF (northwest of Dungeness Spit):
NMFS, Cobb-92.
1-SS (mid-channel, McLane Cove to
Stretch Island):
Sea Grant, 1973.
1-HC (mid-channel, off Skokomish
Flats): Sea Grant, 1973.



Raja stellulata

Rajidae

Published Records

- 1-SJ: Starks, 1911.
1-PS: Kincaid, 1919.

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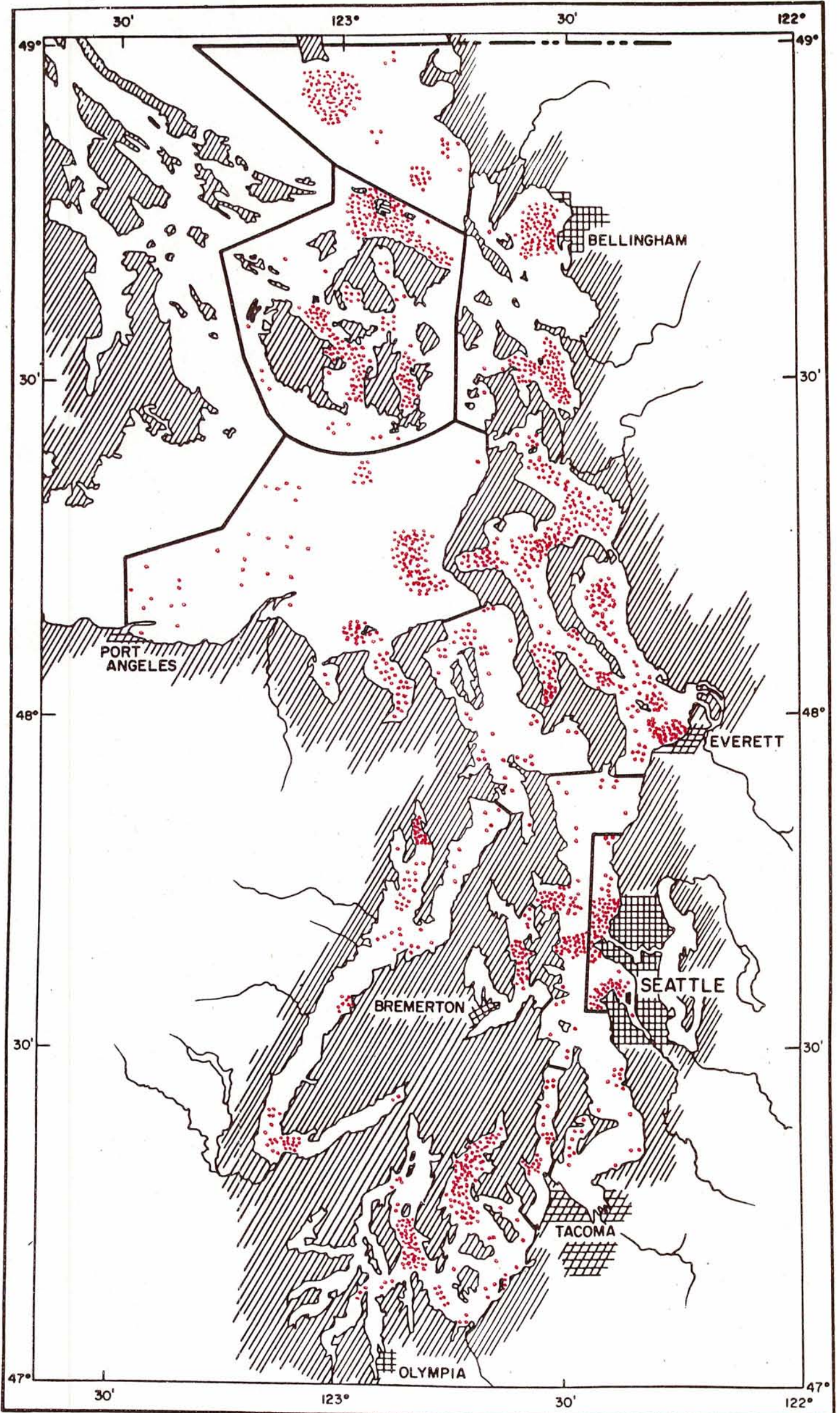
- 1-SJ (Upright Channel): 423.

Friday Harbor Laboratory Log

- 1-SJ (Upright Head): 8/2/52.
1-PS (Cattle Point to Smith Island):
6/28/61-1.

Miscellaneous Logs

- 1-JF (west of Protection Island):
NMFS, Cobb, 2/28/73.



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Chimaeridae

Published Records

- 1-SS (Fort Steilacoom):
Girard, 1859; Suckley, 1860.
- 1-AI (Port Townsend): Bean, 1884.
- 1-PS: Jordan and Starks, 1896.
- 1-S (Seattle): Rathbun, 1894.
- 1-JF (Discovery Bay):
Richardson, 1836.
- 1-SJ: Starks, 1911.
- 1-JF (Dungeness): Tanner, 1894.
- 1-PS: Chapman and DeLacy, 1935.
- 3-AI (north of entrance to Port
Ludlow):
Evermann and Goldsborough, 1907.
- 1-AI (Kala Point):
Evermann and Goldsborough, 1907.
- 1-AI:
Evermann and Goldsborough, 1907.
- 10-JF (mid-channel northwest of Dun-
geness Spit): Greenwood, 1957.
- 3-GS: Smith, 1936.
- 2-B (Bellingham Bay): Smith, 1936.
- 3-E (Coupeville): Smith, 1936.
- 1-JF (Sequim Bay): Smith, 1936.
- 1-JF (Port Discovery): Smith, 1936.
- 1-AI (Port Gamble): Smith, 1936.
- 1-HC (Bangor): Smith, 1936.
- 1-HC (Dabob Bay): Smith, 1936.
- 1-B (Hale Pass.): Smith, 1936.
- 1-SS (Carr Inlet): Smith, 1937.
- 1-SS (McNeil Island): Smith, 1937.
- 1-SS (Anderson Island):
Smith, 1937.
- 1-SS (Case Inlet): Smith, 1937.
- 1-SS (Hale Pass.): Smith, 1937.
- 1-CS (Quartermaster Harbor):
Smith, 1937.
- 1-CS (north of Point Pully):
Smith, 1937.
- 4-HC (Hoodsport): Smith, 1937.
- 1-HC (Skokomish Flats):
Smith, 1937.
- 2-HC (Holly): Smith, 1937.
- 1-HC (Quilcene Bay):
Smith, 1937 (also museum 4223).
- 1-E (Dines Point): Smith, 1937.
- 1-E (Utsalady): Smith, 1937.
- 1-CS (Meadowdale): Smith, 1937.
- 1-SJ (Blakely Island): Smith, 1937.
- 1-E (Dewey): Smith, 1937.
- 1-E (Camano Head): Smith, 1937.
- 1-E (Mukilteo):
Smith, 1937 (also museum 4214).
- 1-E (Columbia Beach): Smith, 1937.
- 4-E (Gedney Island): Smith, 1937.
- 50+-GS (large area south of Point
Roberts and west of Birch Bay):
Kelly, 1946 (commercial
quantities).
- 50+-SJ (all of San Juan Channel):
Kelly, 1946 (commercial
quantities).
- 50+-SJ (around north side of Orcas
Island to Point Lawrence):
Kelly, 1946 (commercial
quantities).
- 50+-SJ (Sucia Island): Kelly, 1946
(commercial quantities).
- 50+-B (Bellingham Bay): Kelly, 1946
(commercial quantities).
- 50+-SJ (Lopez Sound): Kelly, 1946
(commercial quantities).
- 50+-B (Anacortes and Padilla Bay):
Kelly, 1946 (commercial
quantities).
- 50+-E (Skagit Bay and east of Penn
Cove): Kelly, 1946 (commercial
quantities).
- 50+-JF (Point Partridge): Kelly,
1946 (commercial quantities).
- 50+-SS (Carr Inlet): Kelly, 1946
(commercial quantities).
- 1-E (Skagit Bay to Similk Bay):
Stober and Salo, 1970b.
- 1-S (Duwamish River estuary):
Salo, 1969.
- 19-S (Duwamish Head): Salo, 1969.
- 4-E (Port Gardner Bay): Salo, 1969.
- 6-E (Skagit Bay): Salo, 1969.
- 1-SJ (Upright Head): Dayton, 1969.
- 1-SJ (Lopez Sound): Hanson, 1967.
- 1-SJ (Upright Head): Hanson, 1967.
- 1-JF (Middle Channel):
Dayton, 1967.
- 1-SJ: Read, 1969.
- 1-B (Bellingham Bay): Tyler, 1964.
- 3-CS (beach seine, south side of
Point Jefferson): Kendall, 1966.
- 1-CS (Dumas Bay): Miller, 1971b
(also NIH, 71105, 71106).
- 4-CS (Seahurst County Park):
Miller, 1971a (also boat 7113;
NIH, 71101).
- 10+-B (Bellingham Bay):
DiDonato, 1969.
- 1-GS (off Point Roberts):
Halstead and Bunker, 1952.
- 1-B (off Ship Harbor):
Halstead and Bunker, 1952.
- 2-HC (Anderson Cove): Chew, 1970.

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- 1-PS (near Whidbey Island): 13.
- 1-PS: 195.
- 1-HC (Potlatch): 419.
- 1-HC (Brinnon): 422.
- 1-SJ (Deadman Bay): 1242.
- 1-E (Camano Head, Saratoga Pass.):
2551.
- 1-E (Sandy Point, Saratoga Pass.):
2659 1/2.
- 1-E (Saratoga Pass.): 3659.
- 1-S (North Beach): 4693.
- 1-CS (Redondo Beach): 4772.
- 1-S (off south of Richmond Beach):
4789.
- 1-SJ (west of Ram Island):
5749 (also boat 491P).
- 1-HC (off Thorndike Bay):
5826 (also boat 499J).

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- 4-CS (Port Madison):
6036 (also boat 1/22/49.3); 8554
(also boat 492B); 8555 (also boat
5006D); 8566 (also boat 5043A).
- 1-CS (2 miles east of Port Madison):
8550 and 8551 (also boat 495A)
(also same as 8552 and 8558).
- 1-CS (off Port Madison):
8553 and 8557 (also boat 495B).
- 1-S (off Golden Gardens):
8556 (also boat 494F).
- 1-SJ (Lopez Sound): 8562 (also
Friday Harbor Log, 7/12/51-2).
- 1-S (Elliott Bay):
15785 (also boat 5027A).
- 1-S (Meadow Point): 17145.
- 1-JF (west of McArthur Bank):
17699 and 17872 (also Friday
Harbor Log, 7/19/63-1).
- 1-JF (west of McArthur Bank):
17683 (Friday Harbor Log, also
7/18/63-1).
- 1-CS (east off Point Monroe):
8565 (also boat 492C).
- 1-CS (off Port Madison):
8567 (also boat 497A).
- 1-CS (off Point Jefferson):
14977 (also boat 5112D).
- 1-CS (training cruise area, mid West
Point to Skiff Point):
19634 (also boat 6628B).
- Friday Harbor Laboratory Log
- 1-SJ (Lopez Sound, Spencer Spit):
6/28/51-3.
- 1-SJ (off Rocky Bay): 6/30/51-1.
- 1-SJ (Stuart Island, Reid Harbor):
6/30/51-2.
- 7-JF (west of McArthur Bank):
7/12/51-1; 7/7/52-1; 7/9/52-1
(also boat 5220G); 8/3/55-1 (also
boat 5520A); 8/8/60; 7/8/69-1;
8/3/69.
- 1-SJ (south of Orcas Island):
6/24/52.
- 1-SJ (Lopez Sound or East Sound):
7/1/52.
- 3-SJ (Salmon Barks): 7/7/52-2,3,4.
- 1-SJ (Reid Harbor, Stuart Island):
7/9/52-2 (also boat 5220H).
- 6-SJ (West Sound):
7/9/52-3 (also boat 5220I);
7/26/60-2; 8/13/60-2; 6/26/61;
1968; 7/6/71-2.
- 1-SJ (southeast of Cattle Point):
8/3/55-2 (also boat 5520B).
- 1-JF (off Hein Bank): 8/3/55-3.
- 2-SJ (off Iceberg Point):
7/22/52-1; 8/4/55-1 (also boat
5520C).
- 6-SJ (Friday Harbor Lab):
8/2/52; 8/3/52; 8/12-13/52;
6/29/69; 7/13/69; 8/21/69.
- 1-SJ (off Fishermans Bay, toward
Flat Point): 8/4/52-5.
- 5-SJ (East Sound):
8/11/52; 7/25/55; 8/13/60-1;
5/11/62; 1968.
- 1-SJ (off Upright Head): 6/24/55-2.
- 6-SJ (Lopez Sound):
7/28/55-1; 7/6/60; 7/3/60;
6/16/61; 6/27/67; 6/21/71-2.
- 1-SJ (west of Center Island):
8/11/55-1.
- 1-SJ (Trump Island to Decatur Head):
8/11/55-2.
- 1-SS (President Channel, southeast
of Point Disney): 8/25/55-1.
- 1-SJ (Open Bay): 7/31/50-5.
- 3-SJ (north of Hunter Cove):
6/19/50-3,4,5 (also boat 5033E,F,
G).
- 1-SJ (east of Puffin Island):
6/20/50-4 (also boat 5033K).
- 1-SJ (West Sound or Lopez Sound):
6/27/60.
- 1-PS (Cattle Point to Smith Island):
6/28/61-1.
- 1-SJ (south of Lopez Island):
6/27/63-A.
- 1-SJ (Argyle Bay): 7/15/63.
- 1-SJ (Upright Head): 1968.
- 1-SJ (Friday Harbor): 7/10/69-1.
- 1-SJ (west of Neck Point): 7/31/69.
- 1-SJ (off Friday Harbor): 8/22/69.
- 1-SJ (off Friday Harbor Lab):
6/29/71-2.
- 1-SJ (Upright Head to Foster Point):
6/26/73-2.
- University of Washington Boat Log
- 1-GS (north of Alden Bank): 491G.
- 1-JF (in Port Discovery): 5318A.
- 1-JF (off Ediz Hook to off Green
Point): 5705A.
- 1-SJ (off Johns Island): 491B.
- 1-SJ (between Puffin Island and
Orcas Island): 491E.
- 1-SJ (south of Spencer Spit, Lopez
Sound): 5033P.
- 1-SJ (west of Ram Island, Lopez
Sound): 5033R.
- 1-SJ (training cruise area, north of
Rosario Point, East Sound):
6722H.
- 2-SJ (training cruise area,
southwest of Center Island):
7118I; 7307I.
- 1-B (east of Burrows Island, Burrows
Bay): 5033S.
- 3-B (training cruise area, southwest
of Post Point):
6517G; 6614G; 7307G.
- 1-E (off Tulalip Bay): 7/1/49-1.

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- 20-E (mouth of Holmes Harbor, off Rocky Point to off Dines Point): 491Q; 5220D,C; 5234A,C; 5237E,F; 5307C,D,K,L,Q,R,S; 5312H,I; 5321R,S; 5327C,E.
- 2-E (off Spee-Bi-Dah, Port Susan): 5023D; 7303J.
- 2-E (off Mission Beach): 5023E,F.
- 3-E (off Long Point to off Snatelum Point, Penn Cove mouth): 5213A; 5220E; 5321F.
- 6-E (off Coupeville to off Lovejoy Point): 5213B; 5316I,J; 5321A,H; 5418E.
- 2-E (off Oak Harbor, to Blower Bluff): 5220F,N.
- 2-E (north end of Saratoga Pass., south from Point Polnell): 5220M; 6821.5B.
- 10-E (south of Dines Point to off Classic, Holmes Harbor): 5234D; 5312F,G; 5316A,C; 5405G,H; 5501D; 5712E,F.
- 27-E (south of Classic, Holmes Harbor): 5234E,F; 5237A,B,G; 5307E,F,G,H,O,P,T,U; 5312B,C,D,E,L,N; 5316D,E,M; 5321T; 5501E,F; 5611B; 5810E.
- 38-E (Holmes Harbor): 5305J,K; 5325A,B,C; 5327A,B; 5330B,L; 5405A,C,F; 5418A,B,C,D; 5420A,B,C,H; 5522D,E; 5604F,G; 56130,P,Q,R,S,T; 5614D,E,F; 5810A; 5933C,D,G; 6821.5E.
- 4-E (south of Snatelum Point to off north of Onamac Point, Saratoga Pass.): 5316K,L; 5330F; 5418H.
- 1-E (off Lovejoy Point to off Long Point): 5321B.
- 2-E (off Utsalady Point): 5321D,E.
- 1-E (beach seine, Good Beach, Penn Cove): 5321G.
- 3-E (off east of Snatelum Point): 5321I,J; 5330E.
- 3-E (in Elger Bay): 5321M; 5418I,J.
- 11-E (Penn Cove): 5405I; 5418F,G; 5522G,J; 5613U,V,W,X; 5614H,I,K.
- 2-E (off Onamac Point to off Indian Beach, Saratoga Pass.): 5405N; 5418L.
- 2-E (off North Bluff to off Greenbank): 5418M,N.
- 6-E (off Mukilteo): 5604A,B,C; 5613M,N; 6407.
- 3-E: 5712B; 6117I; 6620D.
- 15-E (training cruise area, east of Gedney Island): 6507C8; 6512C; 6517C; 6603C; 6614C; 6620C; 6630C; 6717C; 6722C; 6815C; 6819C; 6826C; 7118C; 7213C; 7307C.
- 14-E (training cruise area, north of Langley, Saratoga Pass.): 6507D8; 6512D; 6603D; 6614D; 6630D; 6717D; 6722D; 6815D; 6819D; 6822D; 6826D; 7118D; 7213D; 7307D.
- 11-E (training cruise area, off Penn Cove): 6603E; 6614E; 6717E; 6815E; 6819E; 6822E; 6826E; 6908E; 7118E; 7213E; 7307E.
- 1-E (off north of Kayak Point): 7204A.
- 3-E (south end of Saratoga Pass.): 6620E; 6722X,Y.
- 3-E (off Kayak Point): 6702A,B,C.
- 4-E (Saratoga Pass.): 6801.5; 6810B,C; 6821.5D.
- 3-E (Port Susan): 6810A; 6821.5A,C.
- 1-AI (off White Rock): 499K.
- 1-AI (off Port Townsend): 5009B.
- 1-AI (in Oak Bay): 5009C.
- 4-AI (east of north end of Marrowstone Island): 6603J; 6630J; 6507J; 6614J.
- 2-HC (off Lofall): 12/28/48-3,4.
- 1-HC (off Shine to off Sisters light buoy): 499C.
- 1-HC (off Pleasant Harbor): 499E.
- 1-HC (across from Hoodspout): 499F.
- 1-HC (off Tabook Point, Dabob Bay): 499I.
- 1-HC (west of Misery Point): 7202A.
- 12-HC (Dabob Bay): 5903A; 5921; 6013A; 6105A,C; 6202A,C,D,E; 7205I,M,N.
- 36-HC (Broad Spit to Long Spit, Dabob Bay): 6503A,B,C,D,E,F,G,H; 6601B,C,D; 6629A,B,D,E; 6702E,F; 6724A; 6804B,G,H; 6807B; 6828B; 6902A,B,E; 7202D,E,F,G,I,J; 7303A,B,C,D.
- 1-HC (south of Oak Head): 6601E.
- 1-HC (mid-channel, Hoodspout to Potlatch): 6804D.
- 1-HC (west of Seabeck Bay): 6902J.
- 1-AI (south of between Tala Point and Hood Head): 6902M.
- 10-CS (mid Port Madison); 3/25/49-3; 492A; 5006C; 5048B; 5122A,B; 5131B; 5132D; 5924A; 6203A.
- 1-CS (Port Madison trap): 6213.
- 2-CS (off Cultus Bay): 5/7/49-3; 5032A.
- 4-CS (off Port Madison): 497B; 5006E; 5043C; 5812E.
- 1-CS (northeast of Apple Cove Point): 5009A.
- 1-CS (south off Point No Point): 5009D.
- 3-CS (mouth of Quartermaster Harbor): 5042A; 5104B; 5115H.
- 1-CS (head of Quartermaster Harbor): 5042B.
- 2-CS (mid Quartermaster Harbor): 5042C,D.
- 1-CS (Tramp Harbor): 5104A.
- 1-CS (east off Blake Island): 5115I.
- 1-CS (off West Point): 5115J.

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- 15-CS (training cruise area, mid-channel, between Skiff Point and West Point):
6507B8; 6512B; 6517B; 6603B;
6614B; 6620B; 6623B; 6722B;
6815B; 6819B; 6908B, 7118B;
7213B; 7307B; 7308B.
- 1-CS (north of Des Moines): 5224A.
- 4-CS (off Agate Pass entrance, Port Madison):
5232A; 5310.2F; 5317C; 6003B.
- 5-CS (mid-channel, between Meadow Point and Port Madison): 5314B;
5516A; 5608A; 5709B; 5911B.
- 2-CS (off Fay-Bainbridge State Park): 5805A; 5806C.
- 5-CS (east off Point Monroe):
5805B,C; 5813A,B,C.
- 1-CS (west of Point Monroe): 5315D.
- 4-CS (off Murden Cove):
6710C2,D2; 4/4/73B; 7308A.
- 6-CS (off West Point):
6605B; 6606B; 6607B; 6611B;
6626B; 6627B.
- 15-CS (Murden Cove):
6610B,D; 6612A; 6613A; 6713G,H;
6809A; 6818A,B; 6821.5G,H;
6823-3; 6906B,C,E.
- 2-CS (off Sylvan Beach, Vashon Island): 6703A,B.
- 1-CS (east of Neill Point, Vashon Island): 6703C.
- 2-PO (south part of Agate Pass.):
495C; 6015D.
- 10-PO (off Fletcher Bay to off south of Battle Point): 5707C; 5809A;
5912A; 5915B; 5924B; 6011A;
6015B; 6108; 6427B; 6707.
- 1-PO (north of buoy N4): 6012D.
- 5-PO (most probably near off of Fletcher Bay):
6515-3; 6715; 7206; 7302A,B.
- 2-PO (south end): 6303.1,.2.
- 1-PO (off Seabold Wharf): 6617A.
- 1-PO (between buoy N6 and N4):
6617B.
- 1-PO (off Fletcher Bay): 6311.5.
- 2-S (south off West Point to off Four-Mile Rock): 5027D; 5602C.
- 103-S (off Golden Gardens to off Meadow Point): 492D,F; 494B,C,D,
E; 496B; 498A,B; 4910A; 5003A;
5007B; 5008C; 5009K,L; 5011D;
5014C; 5017B,C,D,E; 5025; 5028A,
B,C; 5029A,B,C,E; 5033A; 5034D,E,
F,G; 5039A,D; 5041A; 5110B,C,D;
5112A,B,C,E; 5119G,H; 5126A;
5127A; 5129A,D; 5131C; 5132A;
5136C; 5203C,D; 5207H; 5210A,B,D;
5233B,C,D; 5314A,C; 5329C,D;
5408A,B; 5416A,B; 5512E,F,G;
5516B,C; 5521A; 5607A,B; 5616A;
5702AN; 5704D; 5707J,K; 5713G;
5907B,C,D; 5911A; 5920A,B,E,F;
5924C; 5931A; 6005A,B,C; 6010B,D;
6018A; 6112B; 6114A,B.
- 15-S (beach seine, Golden Gardens to Meadow Point):
5007D; 5047A,C; 5114A; 5134A;
5137A,B; 5328A; 5404A; 6309;
6310; 6411B; 6417; 6518A,B.
- 6-S (off Golden Gardens to off Meadow Point):
6311A,E,F; 6414A; 6506C; 6510C.
- 1-S (off north of Carkeek Park):
6206C.
- 36-S (off north of Meadow Point to off Carkeek Park): 5020A; 5039B,
C,E; 5041B; 5044A; 5110A; 5119A,
B; 5203A,B; 5211A,B,C; 5212A,B,C,
D,E,F; 5216A,B; 5233A; 5606A;
5915C,D; 6406A; 6414B,C,D; 6510B;
6608B; 7119A,B; 7120A,B.
- 5-S (off Alki Point toward Duwamish Head): 5027B; 5603A; 5702AM;
5802JJ; 6001AO.
- 4-S (Carkeek Park to off Richmond Beach): 6719A,B,C,D.
- 5-S (off West Point):
6718-1,2,3,4,5.
- 2-S (off Meadow Point to Richmond Beach): 6429A,B.
- 1-S (beach seine, Carkeek Park, Piper Creek): 6510D.
- 2-S (1 mile southwest of West Point): 6806C; 6818D.
- 2-CP (off Sandford Point):
7/18/49; 5126N.
- 1-CP (south end): 7/21/49-1.
- 6-CP (off Camp Sealath):
7/21/49-2,3; 5009E,F; 5104CC,DD.
- 3-CP (off Cove):
5046A; 5133Q; 5135E.
- 1-CP (west side off south of Command Point): 5133P.
- 12-SS (off Minter Creek to off Elgin):
7/19/49-1; 5045G; 5104D,V; 5107A;
5126D; 5133B; 5135A,C,D; 5227F,G.
- 2-SS (off McLane Cove to off south end of Stretch Island):
7/20/49-3; 5201L.
- 8-SS (northwest end of Nisqually Reach): 7/20/49-5; 5009I; 5126J;
5201C,D,M; 5204F,J.
- 2-SS (west of Herron Island):
5009G; 5126H.
- 32-SS (off Glen Cove to off west of Raft and Cutts Islands): 5009J;
5037C; 5045A,K; 5101B; 5102A,B;
5104J,K,L,P,Y,Z,AA; 5115F; 5126C,
M; 5201A; 5204A,B,C,D,E,K,N;
5213D; 5227B; 5613B,D,E,F,G.
- 2-SS (off Wauna to off south of Wauna): 5037I; 5101A.
- 2-SS (mouth of Carr Inlet, mid-channel, Gibson Point to Gertrude Island): 5046D; 5104C.
- 2-SS (mouth of Carr Inlet, southwest of Green Point): 5104S,T.

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- 2-SS (off north of Home to off Horsehead Bay Spit, Carr Inlet): 5104R; 5201I.
 1-SS (west off Ketron Island): 5126K.
 1-SS (between Fox Island and Day Island, toward Toliva Shoal): 5201E.
 1-SS (off Unsal Point, Dana Pass.): 5201J.
 1-SS (off Wollochet Bay to off Point Fosdick): 5201N.
 1-SS (off Brisco Point to off Dofflemeyer Point, Dana Pass.): 5204H.
 2-SS (Carr Inlet): 5522C,B.
 1-SS (Case Inlet): 5613L.
 1-SS (1 mile northeast of Flapjack Point, Eld Inlet): 6208B.
 2-SS (mid-channel, Glen Cove to Green Point): 6724B-1,2.
 1-SS (east of Hartstene Island, Case Inlet): 6724C.
 4-E (training cruise area, north of Langley, Saratoga Pass.): 6914D; 7010D; 7017D; 7110D.
 5-E (training cruise area, east of Gedney Island): 6914C; 7010C; 7017C; 7110C; 7313C.
 5-CS (training cruise area, mid-channel, between West Point and Skiff Point): 6914B; 7017B,Z; 7110B; 7313B.
 8-HC (Broad Spit to Long Spit, Dabob Bay): 7003A,B,C,D,E,F,G,H.
 3-HC (just south of Dabob Bay): 7003J,K,L.
 7-CS (Murden Cove): 7008B; 7016C,H; 7108A,B,C,D.
 4-HC (Anderson Cove): 7009A,B,C,D.
 4-E (training cruise area, off Penn Cove): 7010E; 7017E; 7110E; 7313E.
 2-B (southwest of Post Point): 7010G; 7017G.1.
 4-PO (most probably off of Fletcher Bay): 7011A,3; 7104-2; 7313X.
 1-CS (Port Madison): 7011C.
 2-SJ (training cruise area, southwest of Center Island, Lopez Sound): 7017I; 7110I.
 1-CS (mid-channel, off West Point toward Murden Cove): 7017Y.
 4-HC (Dabob Bay): 7102A,G,H,Q.
 1-HC (west side off Vinland): 7112C.
 1-HC (just south of bridge): 7112D.
 1-AI (east side of Hood Canal entrance, just south of Foulweather Bluff): 7112E.
 4-E (off north of Kayak Point to off Tulalip, Port Susan): 7112 (in 4 hauls).
 2-E (Elger Bay): 7112K,L.
 4-CP (beach seine, Gig Harbor Spit): 4-7208 (also Sea Grant, 72003).

- 6-CP (off Gig Harbor Spit): 6-7208 (also Sea Grant, 72003).
 3-CP (just inside Gig Harbor): 3-7208 (also Sea Grant, 72003).
 3-CP (west end Gig Harbor): 3-7208 (also Sea Grant, 72003).

Miscellaneous Logs

- 10+-AI: Bill High, personal communication, 12/30/66.
 1-JF (off West Beach): WSDF, Sport Fish., 1965-70.
 1-E (Skagit Bay to Similk Bay): WSDF, Sport Fish., 1969.
 50+-S (off Duwamish Head to off Alki Point): U.W. Ocean., 1964-67.
 50+-E (Port Gardner Bay): U.W. Ocean., P.G., 1962-67.
 8-PO (Narrows, just south of Fletcher Bay): U.W. Ocean., P.O., 1964-65.
 25-S (off Golden Gardens): U.W. Ocean., Hoh, 1963-67.
 3-PO (Narrows, south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
 2-HC (Lynch Cove): U.W. Ocean., Hoh, 1963-67.
 2-HC (Seabeck): U.W. Ocean., Hoh, 1963-67.
 50+-SS (Case Inlet, off Taylor Bay to off Whiteman Cove): U.W. Ocean., Hoh, 1963-67.
 2-SS (off Horsehead Bay, Carr Inlet): U.W. Ocean., Hoh, 1963-67.
 50+-CS (Port Madison): U.W. Ocean., Hoh, 1963-68.
 28-E (Port Gardner Bay): U.W. Ocean., Hoh, 1963-67.
 9-E (Port Susan): U.W. Ocean., Hoh, 1963-67.
 13-E (off Demock Point): U.W. Ocean., Hoh, 1963-67.
 5-E (Penn Cove): U.W. Ocean., Hoh, 1963-67.
 5-E (northeast of Rocky Point): U.W. Ocean., Hoh, 1963-67.
 8-E (Holmes Harbor): U.W. Ocean., Hoh, 1963-67.
 3-SS (mouth of Carr Inlet): U.W. Ocean., herring trawl, 1968-69.
 6-E (Port Susan): U.W. Ocean., herring trawl, 1968-69.
 1-CS (Pilot Point): U.W. Ocean., Hoh, S.J., 1966.
 1-AI (Mutiny Bay): U.W. Ocean., Hoh, S.J., 1966.
 1-AI (Greenbank level in Admiralty Bay): U.W. Ocean., Hoh, S.J., 1966.
 1-AI (Useless Bay): U.W. Ocean., Hoh, S.J., 1966.
 2-AI (Port Townsend Bay): U.W. Ocean., Hoh, S.J., 1966.

Hydrolagus colliei

Chimaeridae

Miscellaneous Logs

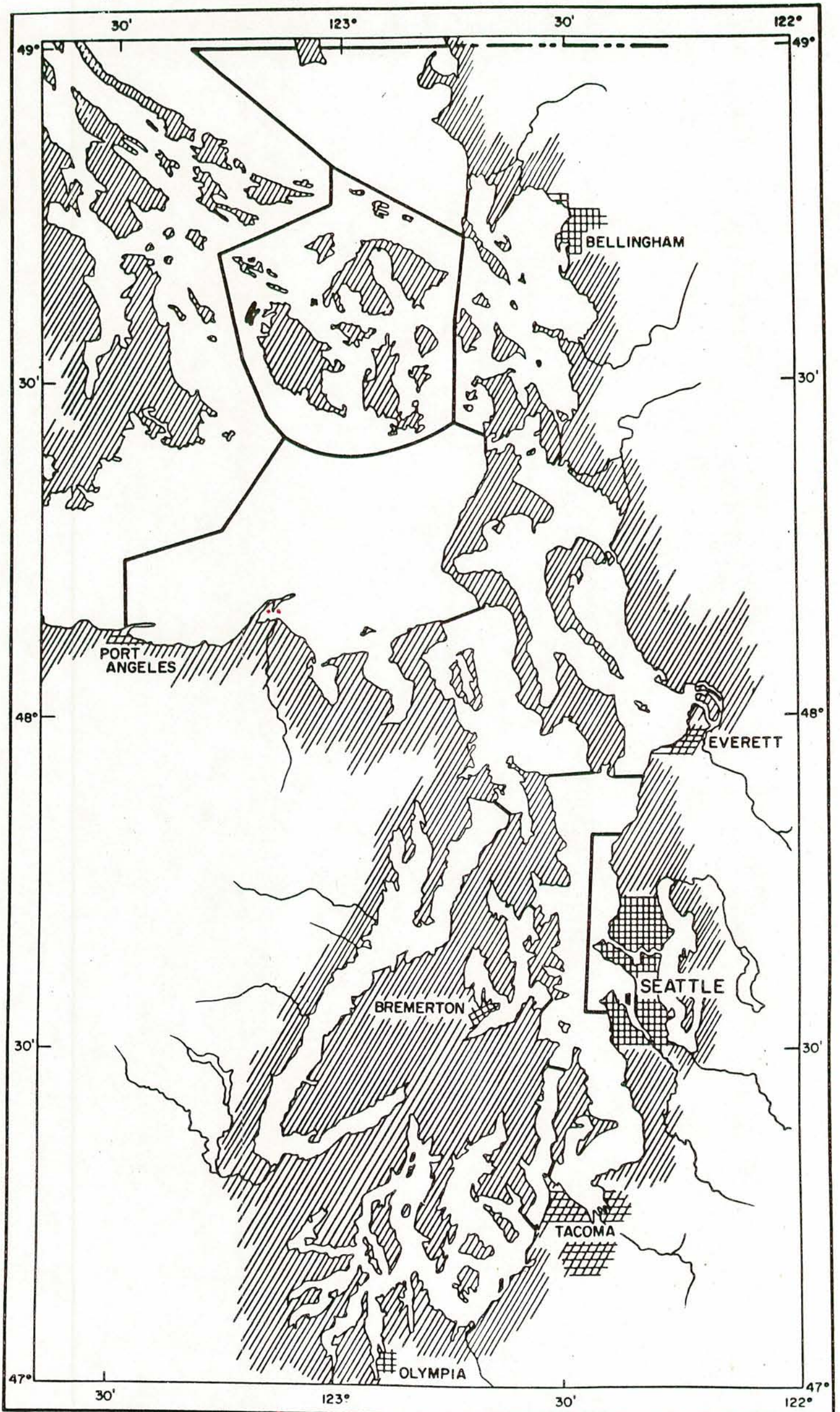
- 1-JF (Port Discovery):
U.W. Ocean., Hoh, S.J., 1966.
- 1-SJ (West Sound):
U.W. Ocean., Hoh, S.J., 1966.
- 3-E (Penn Cove):
U.W. Ocean., Hoh, S.J., 1966.
- 1-E (Utsalady):
U.W. Ocean., Hoh, S.J., 1966.
- 13-JF (Protection Island): WSDF,
groundfish trawl, through 1970.
- 15-JF (Port Discovery): WSDF,
groundfish trawl, through 1970.
- 3-E (Holmes Harbor): WSDF,
groundfish trawl, through 1970.
- 1-CP (off south of Olalla): WSDF,
groundfish trawl, through 1970.
- 1-CP (off Point Richmond): WSDF,
groundfish trawl, through 1970.
- 3-AI (Port Townsend): WSDF,
groundfish trawl., through 1970.
- 1-AI (Oak Bay): WSDF, groundfish
trawl, through 1970.
- 1-AI (Useless Bay): WSDF,
groundfish trawl, through 1970.
- 4-AI (Skunk Bay): WSDF, groundfish
trawl, through 1970.
- 1-AI (Liplip Point, Foulweather
Bluff): WSDF, groundfish trawl,
through 1970.
- 2-E (Saratoga, Saratoga Pass.):
WSDF, groundfish trawl, through
1970.
- 1-AI (off Marrowstone Island):
WSDF, groundfish trawl, through
1970.
- 1-E (Port Susan, Camano Head):
WSDF, groundfish trawl, through
1970.
- 1-E (Penn Cove): WSDF, groundfish
trawl, through 1970.
- 3-S (off Edmonds): WSDF, groundfish
trawl, through 1970.
- 1-SS (Drayton Pass.): WSDF,
groundfish trawl, through 1970.
- 1-SS (Dana Pass.): WSDF, groundfish
trawl, through 1970.
- 2-B (Bellingham Bay): WSDF,
groundfish trawl, through 1970.
- 1-CS (off Apple Cove Point): WSDF,
groundfish trawl, through 1970.
- 1-CS (off Possession Point): WSDF,
gGroundfish trawl, through 1970.
- 5+-SJ (Sucia Island):
Allyn Johnson, personal
communication, 1972.
- 3-JF (mid-channel north of Dungeness
Spit): NMFS, Cobb-25.
- 8-AI (east of Port Townsend, north
of Marrowstone Island):
NMFS, Cobb-35.
- 5-JF (west of Protection Island):
NMFS, Cobb-35.
- 2-JF (Port Discovery):
NMFS, Cobb-35.
- 1-JF (between Protection Island and
Port Discovery): NMFS, Cobb-35.
- 1-SS (Carr Inlet): NMFS, Cobb-68.
- 1-CS (Poverty Bay): NMFS, Cobb-68.
- 2-E (off Saratoga): NMFS, Cobb-68.
- 1-E (Holmes Harbor): NMFS, Cobb-70.
- 1-SS (off north of Glen Cove):
NMFS, Cobb-72.
- 2-JF (mid-channel, north of Morse
Creek): NMFS, Cobb-90.
- 1-JF (west of Hein Bank):
NMFS, Cobb-90.
- 3-E (north end of Saratoga Pass.):
NMFS, Cobb-91.
- 4-E (Holmes Harbor): NMFS, Cobb-91.
- 1-JF (northwest off Dungeness Spit):
NMFS, Cobb-91.
- 3-E (Everett Harbor):
NMFS, Cobb, 1/20/61.
- 11-S (off Golden Gardens to off
Carkeek Park): NIH, 1968-71.
- 1-CS (Port Blakely): NIH, 1968-71.
- 1-S (off Duwamish Head to off Alki
Point): NIH, 1968-71.
- 22-CS (Port Madison):
Van Cleve, trap, 1961-65.
- 1-PO (off Fletcher Bay):
Van Cleve, trap, 1961-65.
- 2-SS (entrance to Eld Inlet):
Van Cleve, trap, 1961-65.
- 3-E (Holmes Harbor):
Van Cleve, trap, 1961-65.
- 1-JF (beach seine, Port Angeles
embayment):
Peninsula College, 1971.
- 1-JF (Sequim Bay):
Battelle, 1967-69.
- 6-JF (between west Port Angeles and
Morse Creek): NMFS, Cobb-25.
- 1-JF (lower part of Discovery Bay):
Sea Grant, 71111.
- 3-GS (tow area 1, Boundary Bay
entrance):
WSDF, Gulf Georgia, 1969-71.
- 6-GS (tow area 3, off Cherry Point):
WSDF, Gulf Georgia, 1969-71.
- 1-GS (tow area 4, off north of
Neptune Beach):
WSDF, Gulf Georgia, 1969-71.
- 13-GS (tow area 5, north of Alden
Bank):
WSDF, Gulf Georgia, 1969-71.
- 6-GS (tow area 6, southeast of Point
Roberts):
WSDF, Gulf Georgia, 1969-71.
- 2-GS (tow area 7, mid-channel):
WSDF, Gulf Georgia, 1969-71.
- 3-GS (tow area 8, mid-channel):
WSDF, Gulf Georgia, 1969-71.
- 2-CS (Port Madison):
Miller, Diving Log, 1963-71.
- 1-SJ (central west side of San Juan
Island):
Miller, Diving Log, 1963-71.
- 1-SJ (Edwards Reef, central west San
Juan Island):
Miller, Diving Log, 1963-71.

Hydrolagus colliei

Chimaeridae

Miscellaneous Logs

- 3-CS (Three Tree Point):
Miller, Diving Log, 1963-71.
- 1-S (Alki Point):
Miller, Diving Log, 1963-71.
- 1-CS (south of Possession Point):
NMFS, Cobb, 2/28/73.
- 5-JF (west of Protection Island):
NMFS, Cobb, 2/28/73.
- 1-HC (off Big Beef Harbor):
Sea Grant, 72026.
- 1-E (east to northeast of Gedney Island):
NMFS, Streeter, 2/21/73.
- 1-E (Saratoga Pass.):
NMFS, Cobb, 1/20/61.
- 1-HC: WSDF, Sport Fish., 1965-70.
- 1-PO (Clam Bay): NIH, 1968-71.
- 1-GS (south of Cherry Point):
Sea Grant, 72019.
- 2-S (beach seine, north side of West Point): Sea Grant, 1973.
- 1-CS (Harper): Hap Leon, personal communication, 4/14/73.
- 17-S (off northwest side of West Point): Sea Grant, 1973.
- 10-S (off southwest side of West Point): Sea Grant, 1973.
- 15-S (deep otter trawl, off West Point): Sea Grant, 1973.
- 11-S (southwest of Alki Point):
Sea Grant, 1973.
- 16-S (deep otter trawl, off southwest of Alki Point):
Sea Grant, 1973.
- 2-SS (off Nisqually Reach-McAllister Creek Delta): Sea Grant, 1973.
- 1-SS (west side of Dougall Point):
Sea Grant, 1973.
- 1-SS (mid-channel, McLane Cove to Stretch Island):
Sea Grant, 1974.
- 6-HC (off Union):
Sea Grant, 1973-74.
- 9-HC (mid-channel, off Union):
Sea Grant, 1973-74.
- 1-HC (off Skokomish Flats):
Sea Grant, 1973.
- 8-HC (mid-channel, off Skokomish Flats): Sea Grant, 1973-74.
- 2-AI (Mutiny Bay):
Sea Grant, 73049.
- 2-CS (Port Madison): Doug Olander, Sport Catch Log, 1972-73.
- 2-S (south side of West Point):
Doug Olander, Sport Catch Log, 1972-73.
- 1-SJ (Upright Head): Doug Olander, Sport Catch Log, 1972-73.
- 3-AI (Admiralty Head to jetty to ferry dock): Doug Olander, Sport Catch Log, 1972-73.
- 2-CS (south end of Bainbridge Island; near Blakely Rock):
Doug Olander, Sport Catch Log, 1972-73.
- 4-SS (Cormorant Pass.):
Sea Grant, 73059 and 73060.
- 1-SS (Tatsolo Point):
Sea Grant, 73059.
- 1-S (north of Meadow Point):
Doug Olander, Sport Catch Log, 1972-73.
- 1-S (Meadow Point): Grinols, personal communication, 1963.
- 1-S (Alki Point): Osterud, personal communication, 1966.
- 1-HC (Seabeck): L. Smith, personal communication, 1968.
- 1-S (Meadow Point): A.C. DeLacy, personal communication, 1951.



Acipenser medirostris

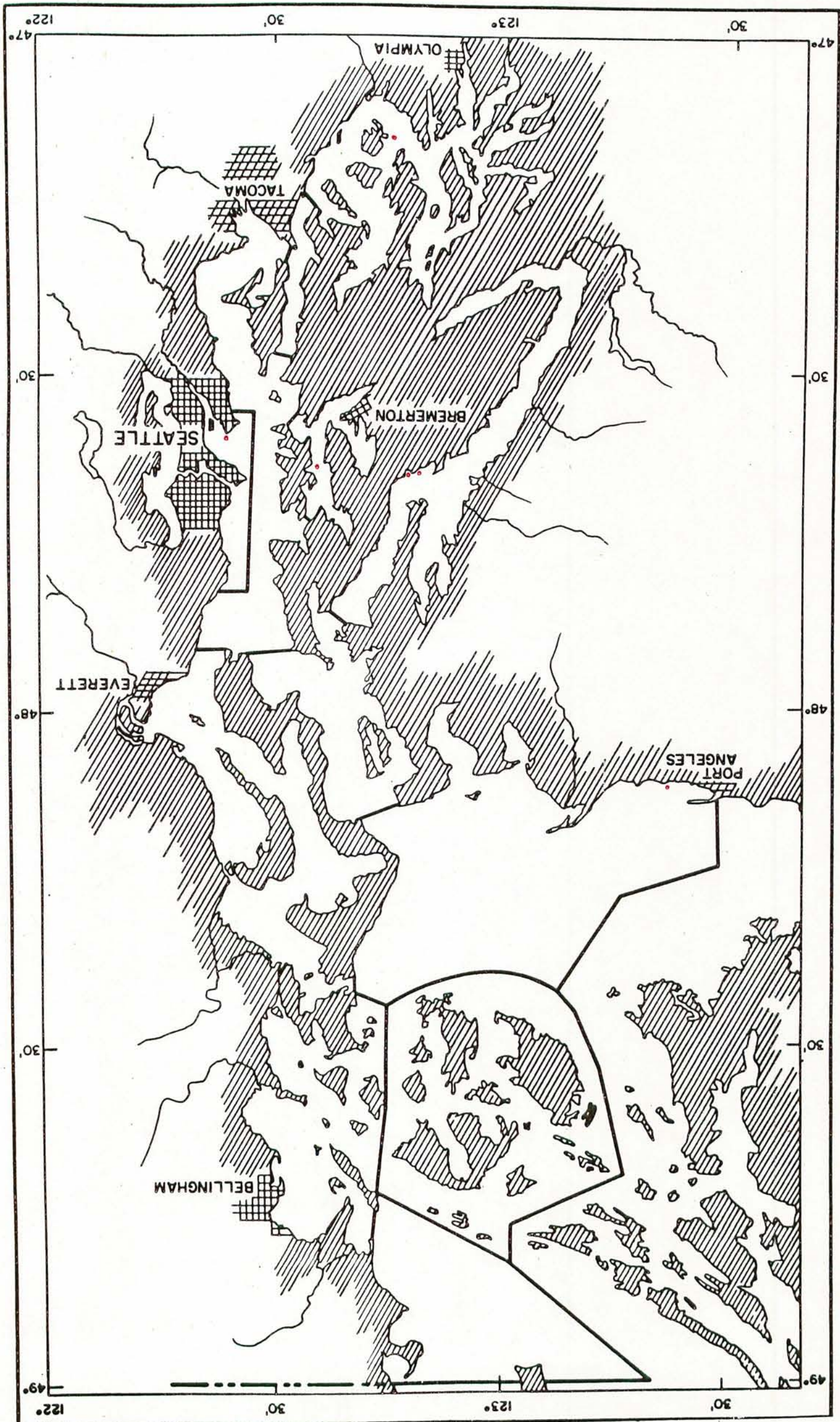
Acipenseridae

Published Records

- 1-PS: Rathbun, 1900.
1-PS: Kincaid, 1919.

Miscellaneous Logs

- 2-JF (inside Dungeness Spit): Bob
Loghry, personal communication.



12.2 *Acipenseridae* *Acipenser transmontanus* (white sturgeon)

Acipenser transmontanus

Acipenseridae

Published Records

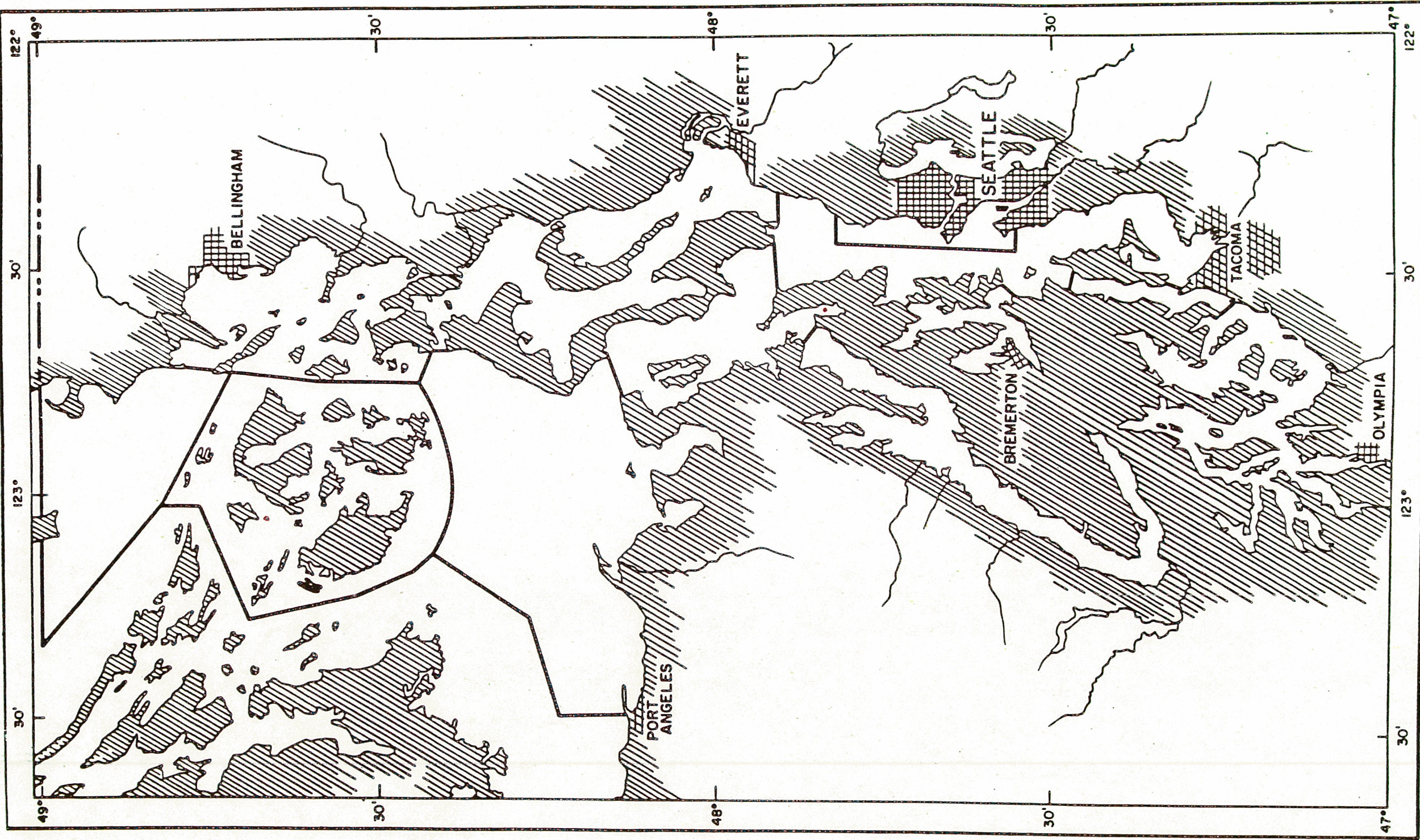
- 1-PS: Jordan and Gilbert, 1881c.
1-PS: Kincaid, 1919.
1-S (Duwamish Head):
Haw and Buckley, 1971.

University of Washington Boat Log

- 1-PO (off Fletcher Bay): 6202.5.

Miscellaneous Logs

- 1-JF (beach near Morse Creek): Bob
Loghry, personal communication.
1-SS: Frank Haw, personal
communication.
1-HC (Big Beef Creek estuary): K V.
Koski, personal communication.
1-HC (Davis Creek, south of Big Beef
Harbor): K V. Koski, personal
communication.



Nemichthys scolopaceus

Nemichthyidae

Published Records

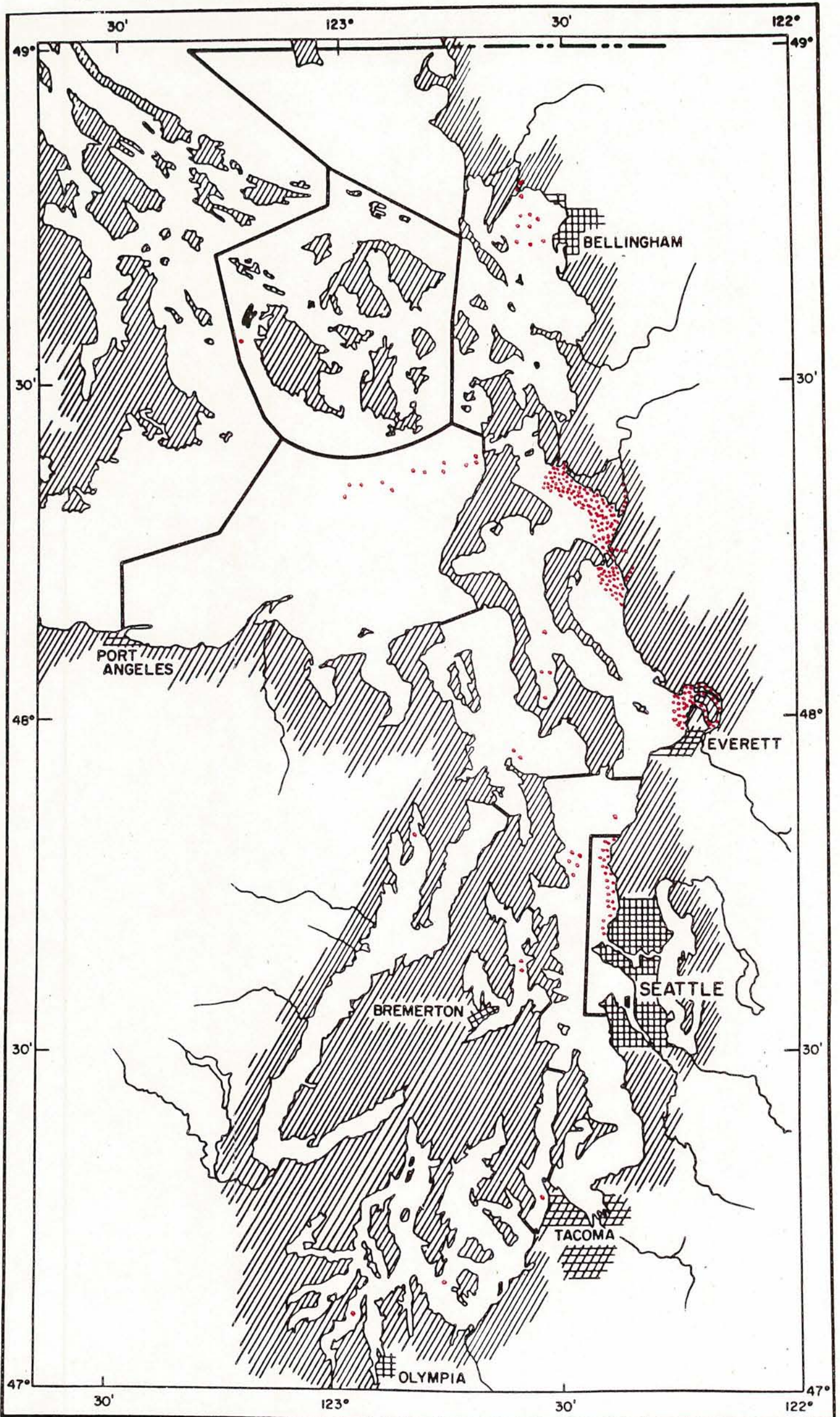
1-AI (Port Gamble):

Jordan and Starks 1896; Jordan
and Gilbert 1881b, 1882, 1881c.

1-SJ (Waldron Island):

Gilbert, 1904.

1-PS: Kincaid, 1919.



Alosa sapidissima

Clupeidae

Published Records

- 1-PS: Swan, 1883; Leach, 1925.
 1-SS (Eld Inlet): Collins, 1892.
 1-PS: Jordan and Starks, 1896.
 1-PS: Kincaid, 1919.

Friday Harbor Laboratory Log

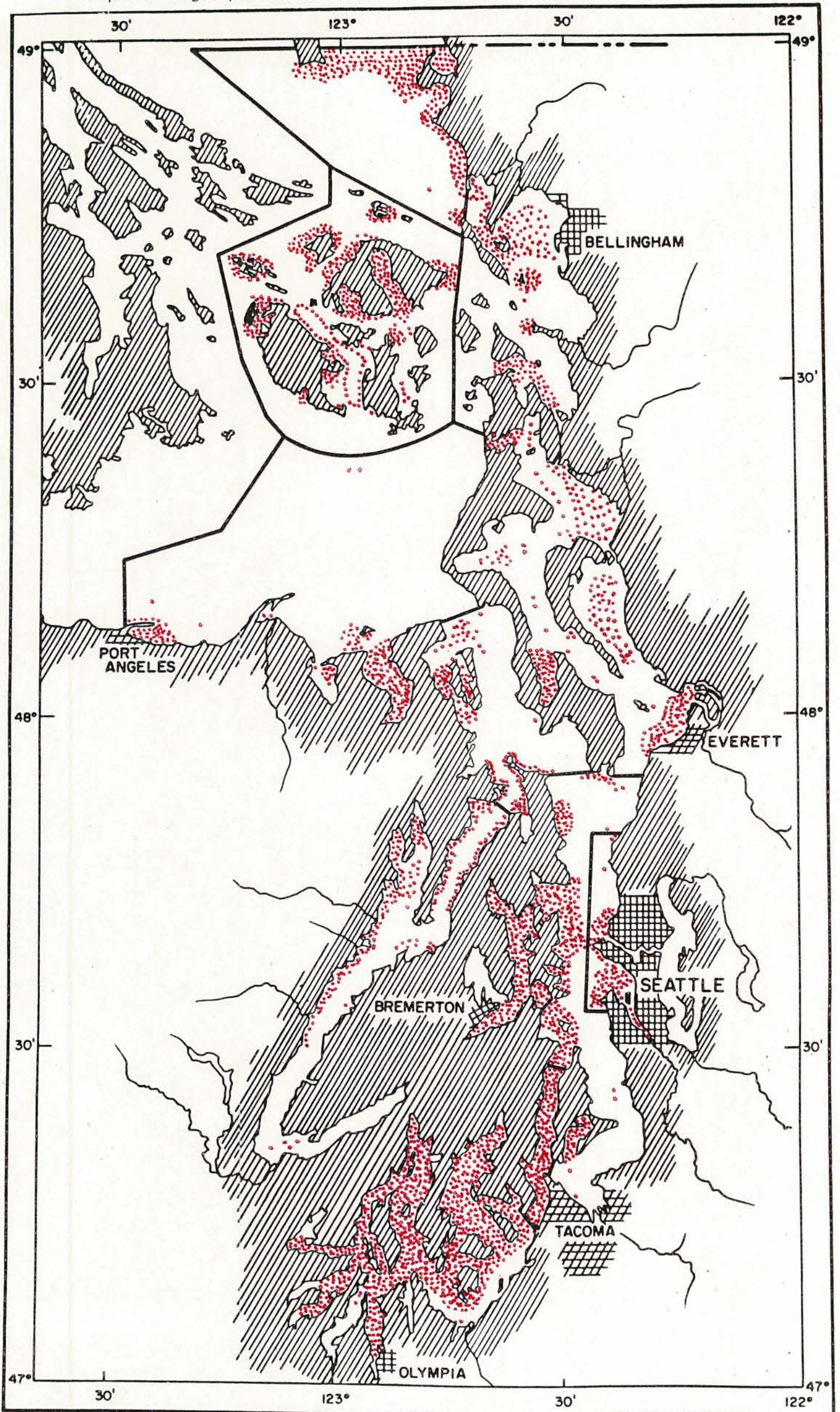
- 1-SJ (Haro Strait): 8/27/68.

University of Washington Boat Log

- 1-E (lower Holmes Harbor): 5312B.
 2-E (Holmes Harbor): 5330M; 5703E.
 1-PO (off Fletcher Bay and south):
 6707.
 1-B (training cruise area, southwest
 of Post Point): 6819G.
 1-B (probably near southwest of Post
 Point): 6822G.
 1-HC (Dabob Bay, north of Broad
 Spit): 7202I.
 1-PO (off Fletcher Bay): 7206.

Miscellaneous Logs

- 1-CP (Tacoma Narrows, north of
 bridge): Stan Katkansky,
 personal communication.
 50+-E (Skagit River mouth and
 vicinity, run up the river):
 Louis Lund, personal
 communication.
 50+-E (most north of north fork of
 Skagit River; a few from Skagit
 River, Stillaguamish River, and
 Snohomish River):
 Russ Orrell and Dick Laramie,
 personal communication.
 7-B (about 4 from Bellingham Bay and
 about 3 from the Nooksack River):
 Russ Orrell, Frank Haw, and Ray
 Buckley, personal communication.
 30-S (between Edmonds and Ballard):
 Grant Fiscus and Ray Buckley,
 personal communication.
 12-JF (about 3 off West Beach, the
 rest in the Strait): Grant
 Fiscus, personal communication.
 5-CS (between Kingston and President
 Point): Grant Fiscus, personal
 communication.
 2-AI (off Foulweather Bluff): Grant
 Fiscus, personal communication.
 1-CS (off Browns Bay): Randy
 Hansen, personal communication.
 1-SS (off Devils Head probably in
 Drayton Pass.):
 Cecil Brosseau and T. Newby,
 personal communication.
 2-B (Bellingham Bay): WSDF,
 groundfish trawl, through, 1970.
 1-E (Saratoga Pass., north of Holmes
 Harbor): NMFS, Cobb-71.



Clupea harengus pallasii

Clupeidae

Published Records

- 3-AI (Marrowstone Point; Kilisut Harbor; Admiralty Head):
Evermann and Goldsborough, 1907.
- 1-E (Utsalady):
Evermann and Goldsborough, 1907.
- 1-SS (Fort Steilacoom):
Girard, 1859; Suckley, 1860.
- 1-SJ: Shelford, 1935.
- 1-JF (beach seine, Port Angeles):
Gilbert, 1895.
- 1-SJ: Starks, 1911.
- 1-E (Holmes Harbor):
Rounsefell and Dahlgrin, 1933.
- 2-GS: Smith, 1936.
- 4-B (Bellingham Bay): Smith, 1936.
- 2-E (Coupeville): Smith, 1936.
- 1-JF (Port Discovery): Smith, 1936.
- 1-JF (Port Discovery): Lord, 1866.
- 1-AI (Port Townsend): Lord, 1866.
- 14-SJ (Friday Harbor):
Powers, 1921.
- 2-SJ (False Bay; Brown Island):
Powers, 1921.
- 50+-E (Holmes Harbor, fishing area):
Kelly, 1946.
- 50+-SJ (northwest coast of San Juans):
Kelly, 1946.
- 50+-E (spawning and fishing area, Holmes Harbor): Williams, 1959.
- 50+-GS (Point Roberts, spawning area): Williams, 1959.
- 50+-GS (Birch Bay and Point Whitehorn, spawning and fishing areas): Williams, 1959.
- 50+-B (both sides of Hale Pass, spawning and fishing areas): Williams, 1959.
- 50+-PO (Port Orchard and Poulsbo, spawning areas): Williams, 1959.
- 50+-PO (Bremerton to Keyport, fishing area): Williams, 1959.
- 50+-HC (Seal Rock; Jackson Cove, spawning area): Williams, 1959.
- 50+-HC (Jackson Cove; Point Whitney; Quilcene Bay, fishing area): Williams, 1959.
- 50+-AI (Port Hadlock, spawning area): Williams, 1959.
- 50+-SJ (Mosquito Pass; Waldron Island; and Stuart Island, spawning areas): Williams, 1959.
- 50+-HC (Quilcene Bay, spawning area): Williams, 1959.
- 50+-SJ (Orcas Island near Point Lawrence, fishing area): Williams, 1959.
- 50+-JF (Discovery Bay, spawning and fishing areas): Williams, 1959.
- 50+-CS (Eagle Harbor, spawning area): Williams, 1959.
- 50+-CS (Quartermaster Harbor, spawning and fishing areas): Williams, 1959.
- 50+-E (Deception Pass., spawning area): Williams, 1959.
- 50+-GS (Semiamoo Bay, fishing area): Williams, 1959.
- 50+-SS (Wollochet Bay; Hale Pass.; Olympia to Steamboat Island; Shelton to Allyn; fishing areas): Williams, 1959.
- 50+-CP (Tacoma Narrows, fishing area): Williams, 1959.
- 50+-B (Anacortes, fishing area): Williams, 1959.
- 50+-CS (Eglon, fishing area): Williams, 1959.
- 50+-JF (Port Angeles, fishing area): Williams, 1959.
- 50+-E (Port Gardner; Skagit Bay; fishing areas): Williams, 1959.
- 50+-S (Seattle, fishing area): Williams, 1959.
- 50+-GS (Point Roberts to Drayton Harbor past Birch Point, spawning area):
Wash. Marine Atlas Vol. 1, 1972.
- 50+-GS (mid Birch Bay to Sandy Point, spawning area):
Wash. Marine Atlas Vol. 1, 1972.
- 50+-GS (north end Lummi Island, spawning area):
Wash. Marine Atlas Vol. 1, 1972.
- 50+-GS (off Birch Point; below Point Whitehorn to north of Cherry Point; south of Cherry Point to Sandy Point; fishing areas):
Wash. Marine Atlas Vol. 1, 1972.
- 50+-JF (northeast part of Sequim Bay; south half of Discovery Bay; spawning areas):
Wash. Marine Atlas Vol. 1, 1972.
- 50+-SJ (nearshore areas of San Juan Channel, West Sound, and East Sound; west of Waldron Island; northwest Orcas Island; Roche Harbor through Mosquito Pass; fishing areas):
Wash. Marine Atlas Vol. 1, 1972.
- 50+-SJ (spawning areas: West Sound; East Sound; west of Waldron Island; south of Henry Island; Upright Head to Humphrey Head):
Wash. Marine Atlas Vol. 1, 1972.
- 50+-B (fishing areas: around Eliza Island; west of William Point):
Wash. Marine Atlas Vol. 1, 1972.
- 50+-B (spawning areas: Hale Pass through Portage Bay; south of March Point on west side of Padilla Bay):
Wash. Marine Atlas Vol. 1, 1972.
- 50+-E (spawning area: Holmes Harbor):
Wash. Marine Atlas Vol. 1, 1972.
- 50+-AI (spawning areas: south half of Kilisut Harbor; south part of Port Orchard):
Wash. Marine Atlas Vol. 1, 1972.

Clupea harengus pallasii

Clupeidae

Published Records

- 50+-AI (spawning area: mouth of Port Gamble):
Wash. Marine Atlas Vol. 2, 1972.
- 50+-AI (fishing areas: Point No Point near shore through Hood Canal floating bridge; Tala Point near shore also through floating bridge):
Wash. Marine Atlas Vol. 2, 1972.
- 50+-HC (fishing areas: floating bridge near shore to north of Hazel Point; floating bridge near shore to King Spit; south of Wawa Point near shore to Ayock Point):
Wash. Marine Atlas Vol. 2, 1972.
- 50+-HC (spawning areas: north of Pulali Point to off south of Wawa Point; south part of Quilcene Bay):
Wash. Marine Atlas Vol. 2, 1972.
- 50+-CS (fishing areas: near shore off Cultus Bay; Port Madison; Point No Point to north of Pilot Point; Orchard Point around Blake Island into Colvos Pass., Quartermaster Harbor):
Wash. Marine Atlas Vol. 2, 1972.
- 50+-CS (spawning areas: Port Madison; Yeomalt Point to Restoration Point; Quartermaster Harbor):
Wash. Marine Atlas Vol. 2, 1972.
- 50+-PO (fishing area: Agate Pass to Point Herron to Orchard Point):
Wash. Marine Atlas Vol. 2, 1972.
- 50+-PO (spawning area: Agate Pass through Liberty Bay, Manzanita Bay, and Burke Bay; Sinclair Inlet):
Wash. Marine Atlas Vol. 2, 1972.
- 50+-S (fishing area: Alki Point to Harbor Island near shore):
Wash. Marine Atlas Vol. 2, 1972.
- 50+-CP (fishing area: all off Colvos Pass):
Wash. Marine Atlas Vol. 2, 1972.
- 50+-CP (spawning area: Gig Harbor):
Wash. Marine Atlas Vol. 2, 1972.
- 50+-SS (fishing areas: Carr Inlet through Hale Pass, Drayton Pass, Pitt Pass, and Balch Pass; Case Inlet through Pickering Pass., Peale Pass, west side of Squaxin Island, and Dana Pass. to Nisqually Reach):
Wash. Marine Atlas Vol. 2, 1972.
- 50+-SS (spawning areas: Totten Inlet through the west side of Squaxin Island; mid part of Budd Inlet; Hale Pass.):
Wash. Marine Atlas Vol. 2, 1972.
- 6-E (Kiket Island to Strawberry Point): Stober and Salo, 1970b.
- 2-E (Skagit and Similk Bays):
Stober and Salo, 1970b.
- 1-E (Kiket Island):
Stober and Salo, 1970a.
- 4-S (Duwamish estuary): Salo, 1969.
- 1-S (Duwamish Head): Salo, 1969.
- 2-E (Port Gardner; Skagit Bay):
Salo, 1969.
- 50+-GS (spawning areas: Semiamoo Bay chiefly on inner side of Tongue Point; Birch Bay from the mouth of Terrel Creek to Point Whitehorn): Chapman, Katz, and Erickson, 1941.
- 50+-SJ (spawning areas: Echo Bay and Shallow Bay of Sucia Island; bay on east side of Waldron Island; Roche Harbor; bays on both sides of Mosquito Pass especially Mitchell Bay and Westcott Bay; West Sound; Pole Pass):
Chapman et al., 1941.
- 50+-SJ (spawning area: East Sound, heaviest in front of the town of East Sound):
Chapman et al., 1941; Katz, 1942.
- 50+-SJ (great schools seen along northwest side of Waldron Island near Fisher Point and along the northwest shores of San Juan Island): Chapman et al., 1941.
- 50+-B (spawning area: Hales Pass around Point Frances into Portage Bay):
Chapman et al., 1941; Katz, 1942.
- 50+-B (spawning area: outside Waverly Spit near Anacortes):
Chapman et al., 1941.
- 50+-JF (spawning areas: inside Sequim Bay Spit; lower part of Discovery Bay):
Chapman et al., 1941.
- 50+-AI (spawning areas: Kilisut Harbor; Port Hadlock):
Chapman et al., 1941.
- 50+-E (Holmes Harbor; spawning area):
Chapman et al., 1941; Katz, 1942.
- 50+-PO (spawning areas: Liberty Bay from Poulsbo to Point Bolin):
Chapman et al., 1941; Katz, 1942.
- 50+-CS (spawning areas: Eagle Harbor; Port Blakely; Rolling Bay; Port Madison):
Chapman et al., 1941.
- 50+-HC (spawning areas: Jackson Cove to Seal Rock to Pleasant Harbor; Dosewallips Flats and south):
Chapman et al., 1941; Katz, 1942.
- 50+-CS (spawning area: in Quartermaster Harbor mainly in Burton Bight): Chapman et al., 1941.
- 50+-SS (spawning areas: Wollochet Bay; north and south bays between Steamboat Island and the peninsula):
Chapman et al., 1941; Katz, 1942.

Clupea harengus pallasii

Clupeidae

Published Records

- 50+-SS (spawning area: Totten Inlet): Chapman et al., 1941.
 50+-CP (spawning area: Gig Harbor): Katz, 1942.
 50+-E (fishing area: Skagit Bay; Port Gardner Bay): Chapman et al., 1941.
 50+-B (Anacortes; minor fishing area): Chapman et al., 1941.
 50+-JF (minor fishing area: Port Angeles): Chapman et al., 1941.
 50+-CS (minor fishing area: Eglon): Chapman et al., 1941.
 1-CS (south side of Point Jefferson): Kendall, 1966.
 22-B (Bellingham Bay): Tyler, 1964.
 50+-PO (spawning area: Agate Pass.): Haw and Buckley, 1971.
 50+-E (Holmes Harbor, spawning area): Haw and Buckley, 1971.
 3-HC (in Big Beef Harbor): Anderson and Chew, 1972.
 1-HC (Anderson Cove): Chew, 1970.

University of Washington
Museum Collection

- 2-PS: 426; 5633.
 1-S (Elliott Bay): 428.
 1-SJ (Squaw Bay): 568.
 4-SJ (False Bay): 576; 583; 1123; 1170.
 1-SJ (Davis Bay): 603.
 4-S (Alki Point): 656; 817; 1922; 4502.
 6-SJ (East Sound): 693; 742; 2294; 17127; 17061 (also Friday Harbor Log, 6/20/63); 18692 (also NIH, 1964-66).
 1-SJ (mid East Sound): 18693 (also Friday Harbor Log, 6/5/64).
 1-SJ (Flat Point, Lopez Island): 716.
 3-SJ (Friday Harbor): 2094; 3703; 5122.
 1-E (Holmes Harbor): 3685.
 1-CS (Tacoma Smelter): 4669.
 1-E (Utsalady Beach): 5105.
 2-S (Edmonds): 5470; 6267.
 1-S (Duwamish River): 6116.
 3-S (Seattle): 12794; 12800; 14963.
 1-CS (Manchester): 15025.
 1-SJ (West Sound): 2222.
 1-SJ (Roche Harbor): 2947.
 1-PS (Kelly's Boat House): 6363.
- Friday Harbor Laboratory Log
- 2-B (Bellingham Bay): 7/26/51-2; 6/22/55.
 1-B (south of Eliza Island): 8/8/55-1.
 1-B (off Inati Bay): 8/8/55-2.
- 8-SJ (West Sound): 6/23/51; 7/9/52-3 (also boat log, 5220I); 7/26/60-1; 8/13/60-2; 6/26/61; 6/27/63-B; 6/20/69-2; 7/6/71-2.
 1-SJ (off Rocky Bay): 6/30/51-2.
 1-SJ (Satellite Island): 7/5/51-3.
 1-SJ (south of Satellite Island): 8/15/55-1.
 1-SJ (south of Orcas Island): 6/24/52.
 2-SJ (Lopez Sound or East Sound): 7/1/52; 7/11/63.
 1-SJ (White Point): 6/25/55-1.
 2-JF (west of McArthur Bank): 7/7/52-1; 7/19/63-1.
 1-SJ (Reid Harbor, Stuart Island): 7/9/52-2 (also boat log, 5220H).
 1-SJ (Fish Creek, Cattle Point): 7/21/52-1.
 12-SJ (Friday Harbor Lab): 8/2/52; 7/13/52; 7/14/52; 7/15/52; 7/16/52; 7/10/55; 7/29/55; 7/50; 8/4/61-2; 7/17/69-2; 7/21/69-2; 7/22/69-2.
 8-SJ (East Sound): 8/11/52; 7/6/60-2; 7/26/60-1; 8/13/60-1; 6/20/61; 5/11/62; 6/29/71; 7/6/71-1.
 3-SJ (mouth of East Sound): 7/28/55-2; 8/11/55-3; 6/20/50-2 (also boat log, 5033I).
 6-SJ (mid East Sound): 1/17/64; 2/17/64; 4/3/64; 7/11/64; 6/20/69-1; 6/21/71-1.
 1-SJ (Roche Harbor): 8/19/52.
 1-SJ (Garrison Bay): 6/25/55-3.
 1-SJ (East Sound or West Sound): 7/25/55.
 3-SJ (Lopez Sound): 7/28/55-1; 7/6/60-1; 6/21/71-2.
 1-SJ (Trump Island to Decatur Head): 8/11/55-2.
 6-SJ (Argyle Bay): 8/16/55-2; 7/5/60; 8/11/60-2,4; 6/22/61; 7/15/63.
 3-SJ (north side of Stuart Island): 7/10/50-7,8,9.
 1-SJ (West Sound or Lopez Sound): 6/27/60.
 1-SJ (Squaw Bay): 8/1/60-1.
 1-SJ (Mitchell Bay): 8/16/60-1.
 2-SJ (Upright Head to Olga): 8/1/60-2; 7/10/61-2.
 4-SJ (Argyle Lagoon): 8/11/60-1; 7/12/61-2; 7/10/69-2,3.
 1-SJ (Westcott Bay): 8/16/60-2.
 1-SJ (North Bay): 8/18/60-1.
 1-SJ (False Bay): 6/29/61.
 1-SJ (Mosquito Pass.): 7/17/61-1.
 1-SJ (San Juan Island): 5/62.
 1-SJ (Squaw Bay or West Sound): 6/30/67.
 1-SJ (West of Neck Point): 7/31/69.
 1-SJ (lower East Sound): 6/26/73-1.
 1-SJ (Argyle Lagoon): 7/9/63.

Clupea harengus pallasii

Clupeidae

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- 1-SJ (East Sound): 5033M.
 12-SJ (training cruise area: north end of East Sound, north of Rosario Point):
 6603H; 6614H; 6620H; 6630H;
 6717H; 6722H; 6815H; 6819H;
 6908H; 7118H; 7010H; 7313H.
 1-SJ (training cruise area: southwest of Center Island, Lopez Sound): 7118I.
 14-B (training cruise area: southwest of Post Point):
 6517G; 6603G; 6614G; 6620G;
 6630G; 6717G; 6722G; 6815G;
 6819G; 6826G; 6908G; 7118G;
 7307G; 7313G.
 1-E (Penn Cove mouth): 5213A.
 2-E (Penn Cove, off Coupeville to off Lovejoy Point): 5213B,C.
 1-E (off Oak Harbor to off Blower Bluff): 5220F.
 4-E (Holmes Harbor, off Rocky Point to off Dines Point):
 52200; 5307C,K; 5312I.
 6-E (Holmes Harbor, south of Classic): 5305G; 5307F,G; 5312B;
 5316E; 5501C.
 3-E (Holmes Harbor, south of Dines Point to off Classic):
 5312F; 5316A; 5405G.
 9-E (Holmes Harbor):
 5305I,J; 5307D; 5325A; 5327B;
 5420A; 5522D; 5604F,G.
 2-E (beach seine, Penn Cove, Good Beach): 5316F,G.
 1-E (mid Saratoga Pass., Onamac Point to Indian Beach): 5405L.
 1-E (in Elger Bay): 5418I.
 1-E (off north of Kayak Point):
 7204A.
 1-E (off Kayak Point): 6702B.
 1-E (Port Susan): 6821.5A.
 2-E (training cruise area: off Penn Cove): 6614E; 6717E.
 1-E (training cruise area: off Strawberry Point): 6717F.
 1-E (training cruise area: off north of Langley): 7307.
 1-E (night light near East Point, Whidbey Island): 7213.
 1-AI (training cruise area: east of north end of Marrowstone Island):
 6630J.
 6-HC (Dabob Bay): 5921; 6013A;
 6105A; 6202F; 7205M,N.
 1-HC (west of Misery Point): 7202A.
 19-HC (Broad Spit to Long Spit):
 6503A,G; 6629D,E; 6702F; 6724A;
 6804A,G,H; 6828A; 6902E,F; 7202D,
 H,I,J; 7303A,E,F.
 3-HC (off Pleasant Harbor):
 6804E; 6902K; 7303G.
 1-HC (west of Seabeck Bay): 6902J.
 1-CS (mid Port Madison): 5132D.
 1-CS (off West Point): 6605B.
 12-CS (Murden Cove):
 6610C,D; 6612B; 6713C,D,G; 6806B;
 6812D,E; 6818B,C; 6912.
 2-CS (off Murden Cove): 6710A2,B2.
 1-CS (east of Niell Point, Vashon Island): 6703C.
 11-PO (probably most near off Fletcher Bay): 6214; 6302.5;
 6303.1; 6604B; 6711C; 6713A,B;
 6715; 6801; 6821.5F; 7313X.
 1-PO (off Brownsville to off White Point): 6806A.
 1-PO (south end): 6303.2.
 8-PO (off Fletcher Bay):
 6307; 6317; 6320C; 6322.5;
 6425-2A; 6427B; 6505A; 6311.5.
 31-PO (off Fletcher Bay to off south of Battle Point): 5223B; 5303;
 5309D; 5310.3B; 5317A; 5422D;
 5503A; 5507; 5707A,B; 5709C;
 5906A; 5907A; 5915B; 5919A,B;
 5922A; 5923B; 5924B; 6001AM;
 6006A; 6016B1,A4,B5; 6100; 6109A;
 6111B; 6201; 6202.5; 6205D1,D2.
 3-PO (off south of Fletcher Bay):
 5413C; 5801C; 6016B4.
 1-PO (off Battle Point to off north of Battle Point): 5422F.
 1-PO (night light in Manzanita Bay):
 5518.
 4-PO (most probably off Fletcher Bay): 6002A; 6007A,B; 6009A.
 2-PO (between "B-2" and "B-1"):
 6205C1,C3.
 8-S (beach seine, Golden Gardens to Meadow Point):
 492E; 5032.1A; 5134A; 5411A;
 6309; 6310; 6319; 6518B.
 4-S (off Golden Gardens to off Meadow Point):
 494E; 5907C,D; 5911A.
 1-S (off north of Meadow Point to off Carkeek Park): 5212F.
 2-S (beach seine, Carkeek Park):
 5225A,B.
 1-S (off West Point): 6718-6.
 1-S (beach seine, north side of West Point): 7311B.
 1-CP (off Camp Sealath): 5009E.
 1-CP (between Olalla and Maplewood):
 6703D.
 2-SS (west of Herron Island):
 5009G; 5126H.
 1-SS (north end of Pickering Pass to off McLane Cove): 5009H.
 5-SS (off Glen Cove to west off Raft and Cutts Islands):
 5009J; 5104L,M,Y; 5115F.
 13-SS (off Minter Creek to off Elgin): 5045G,J; 5046C; 5101C;
 5102C; 5104D,V; 5107A; 5126F;
 5135A,D; 5213E,F.
 6-SS (off Wauna to off south of Wauna):
 5101A; 5104E,F,G,W; 5227A.

Clupea harengus pallasii

Clupeidae

University of Washington Boat Log

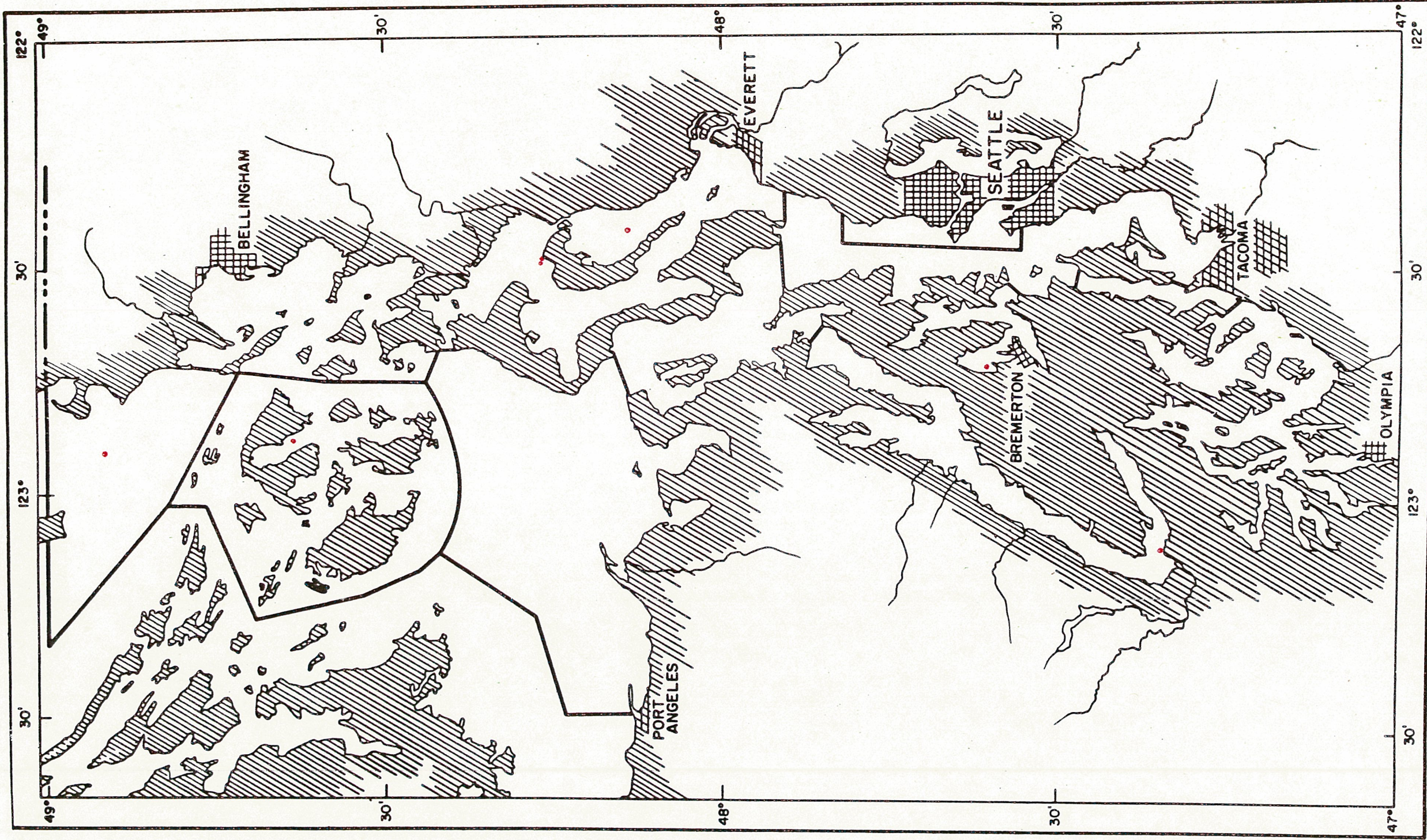
- 2-SS (Oakland Bay, off Shelton):
5115B,C.
- 1-SS (Eld Inlet, 1 mile northeast of
Flapjack Point): 5115E.
- 2-SS (Carr Inlet): 5605B; 5703D.
- 3-SS (Carr Inlet, mid-channel, Glen
Cove to Green Point):
6724B-1,2,3.
- 1-SS (Case Inlet, east of Hartstene
Island): 6724C.
- 1-SS (Drayton Pass.): 6724D.
- 6-B (training cruise area: southwest
of Post Point):
6914G; 7010G; 7017G,G2,G1; 7110G.
- 2-HC (Dabob Bay, Broad Spit to Long
Spit): 7003F,G.
- 3-HC (off Pleasant Harbor):
7003I,J; 7102M.
- 1-CS (Murden Cove): 7008A.
- 1-E (training cruise area: east of
Gedney Island): 7010C.
- 3-PO (most probably off of Fletcher
Bay): 7011B; 7020; 7104.
- 1-SJ (training cruise area: Lopez
Sound, southwest of Center
Island): 7017I.
- 1-SJ (training cruise area: East
Sound, north of Rosario Point):
7017H.
- 1-E (training cruise area: north of
Langley): 7017D.
- 6-HC (Dabob Bay):
7102A,H,J1,L; 7112A,B.
- 4-PO (most records probably off
Fletcher Bay):
7105-1,2; 7107A,B.
- 1-HC (west side, across from
Vinland): 7112C.
- 1-AI (just south of Foulweather
Bluff east side of Hood Canal
entrance): 7112E.
- 1-E (Elger Bay): 7112.
- Miscellaneous Logs
- 50+-B (Bellingham Bay): Bill High,
personal communication, 12/9/63.
- 50+-B (Bellingham Bay): R. Tyler,
personal communication, 6/3/63.
- 50+-B (Bellingham Bay):
FRI, Tyler Data Sheets, 1965.
- 1-SJ (East Sound):
DeLacy's Log, 6/20/69.
- 3-S (West Point to Magnolia):
Metro, 1963-70.
- 10+-S (Duwamish River):
Metro, 1963-70.
- 15+-S (Duwamish River):
Metro, 1966-70.
- 6-S (off Duwamish Head to off Alki
Point): U.W. Ocean., 1964-67.
- 24-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
- 44-PO (Narrows, just south of
Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
- 4-S (off Golden Gardens to off
Meadow Point):
U.W. Ocean., Hoh, 1963-67.
- 6-PO (south and north of Fletcher
Bay): U.W. Ocean., Hoh, 1963-67.
- 6-SS (Case Inlet, off Taylor Bay to
off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
- 9-E (Port Susan):
U.W. Ocean., Hoh, 1963-67.
- 3-E (Penn Cove):
U.W. Ocean., Hoh, 1963-67.
- 1-E (west of Brown Point):
U.W. Ocean., Hoh, 1963-67.
- 1-E (Port Gardner Bay):
U.W. Ocean., Hoh, 1963-67.
- 1-E (Holmes Harbor):
U.W. Ocean., Hoh, 1963-67.
- 2-CS (south end Possession Sound):
U.W. Ocean., Commando, 1968.
- 7-CS (off Skiff Point):
U.W. Ocean., Commando, 1968.
- 2-CS (south of Point Pully):
U.W. Ocean., Commando, 1968.
- 1-SS (east of Anderson Island):
U.W. Ocean., Commando, 1968.
- 8-SS (Case Inlet):
U.W. Ocean., Commando, 1968.
- 8-PO: U.W. Ocean., Commando, 1968.
- 4-HC (near Seabeck):
U.W. Ocean., Commando, 1968.
- 2-E (Port Susan):
U.W. Ocean., Commando, 1968.
- 50+-CS (Skiff Point to Point
Jefferson): U.W. Ocean., herring
trawl, 1968-69.
- 1-S (West Point): U.W. Ocean.,
herring trawl, 1968-69.
- 2-S (Elliott Bay): U.W. Ocean.,
herring trawl, 1968-69.
- 50+-SS (mouth of Carr Inlet): U.W.
Ocean., herring trawl, 1968-69.
- 43-E (Port Susan): U.W. Ocean.,
herring trawl, 1968-69.
- 33-PO (south of Fletcher Bay): U.W.
Ocean., herring trawl, 1968-69.
- 1-B (Bellingham Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 3-SJ (East Sound):
U.W. Ocean., Hoh, S.J., 1966.
- 3-E (Penn Cove):
U.W. Ocean., Hoh, S.J., 1966.
- 1-E (Port Susan):
U.W. Ocean., Hoh, S.J., 1966.
- 1-E (Utsalady):
U.W. Ocean., Hoh, S.J., 1966.
- 23-JF (Protection Island): WSDF,
groundfish trawl, through 1970.
- 1-JF (off Green Point): WSDF,
groundfish trawl, through 1970.
- 1-JF (Port Discovery): WSDF,
groundfish trawl, through 1970.
- 4-AI (Port Townsend): WSDF,
groundfish trawl, through 1970.
- 12-AI (Oak Bay): WSDF, groundfish
trawl, through 1970.

Clupea harengus pallasii

Clupeidae

Miscellaneous Logs

- 10+-SJ (Sucia Island):
Allyn Johnson, personal
communication, 1972.
- 4-HC (Squamish Bay): NMFS, Cobb-21.
- 10-SJ (Friday Harbor):
NMFS, Cobb-21.
- 1-HC (Quilcene Bay): NMFS, Cobb-21.
- 1-SJ (West Sound): NMFS, Cobb-21.
- 12-AI (east of Port Townsend, north
of Marrowstone Island):
NMFS, Cobb-35.
- 2-JF (west of Protection Island):
NMFS, Cobb-35.
- 1-PO (south of Fletcher Bay):
NMFS, Cobb-68.
- 2-E (Holmes Harbor): NMFS, Cobb-70.
- 2-E (Saratoga Pass, north of Holmes
Harbor): NMFS, Cobb-71.
- 1-CS (northwest of Edmonds):
NMFS, Cobb-71.
- 1-CS (southeast of Port Madison):
NMFS, Cobb-71.
- 1-S (off Richmond Beach):
NMFS, Cobb-71.
- 2-SS (off north of Glen Cove; off
Wilson Point): NMFS, Cobb-72.
- 1-PO (Agate Pass): NMFS, Cobb-69-1.
- 1-S (off Golden Gardens):
NMFS, Cobb-75.
- 1-JF (Discovery Bay):
NMFS, Cobb-75.
- 2-SS (Carr Inlet): NMFS, Cobb-75.
- 1-SS (Case Inlet): NMFS, Cobb-75.
- 1-E (Elger Bay):
NMFS, Cobb, 1/20/61.
- 21-SJ (East Sound): NIH, 1964-66.
- 1-SJ (East Sound): NIH, 1968-71.
- 2-B (Marine Drive to Eliza Island to
off mouth of Nooksack River):
NIH, 1968-71.
- 6-S (Golden Gardens to Carkeek):
NIH, 1968-71.
- 1-HC (Big Beef Harbor): NIH-69042.
- 1-SS (off Stretch Island to off
Herron Island): NIH, 1968-71.
- 6-CS (Port Madison):
Van Cleve, trap, 1961-65.
- 2-SS (Eld Inlet entrance):
Van Cleve, trap, 1961-65.
- 2-E (Holmes Harbor):
Van Cleve, trap, 1961-65.
- 1-E (Penn Cove):
Van Cleve, trap, 1961-65.
- 5-AI (off Port Gamble): Bill High,
personal communication, 8/2/71.
- 2-JF (inside Dungeness Spit):
Peninsula College, 1971.
- 1-JF (Sequim Bay):
Battelle, 1967-69.
- 1-JF (north of Ediz Hook):
NMFS, Cobb-25.
- 2-GS (tow 1 area: Boundary Bay
entrance):
WSDF, Gulf Georgia, 1969-71.
- 2-GS (tow 2 area: off Birch Bay):
WSDF, Gulf Georgia, 1969-71.
- 1-GS (tow 3 area: off Cherry Point):
WSDF, Gulf Georgia, 1969-71.
- 3-GS (tow 4 area: off north of
Neptune Beach):
WSDF, Gulf Georgia, 1969-71.
- 1-GS (tow 5 area: north of Alden
Bank):
WSDF, Gulf Georgia, 1969-71.
- 2-GS (tow 6 area: southeast of Point
Roberts):
WSDF, Gulf Georgia, 1969-71.
- 1-SJ (Friday Harbor):
Miller, Diving Log, 1963-71.
- 1-SJ (Argyle Bay):
Miller, Diving Log, 1963-71.
- 6-JF (west of Protection Island):
NMFS, Cobb, 2/28/73.
- 50+-CP (spawning area: Gig Harbor):
Frank Haw, personal
communication, 4/24/72.
- 50+-GS +B (spawning area: from
Canadian border to Point
Francis): Al Millikan, B.
Miller, S. Borton, personal
communication, 5/16/72.
- 50+GS (spawning area: Cherry Point):
Sea Grant, 72008.
- 1-GS (off Cherry Point):
Sea Grant, 72019.
- 1-AI (beach seine, Mutiny Bay):
Sea Grant, 72033.
- 1-E (off Strawberry Point):
Jim Blackburn, personal
communication, 5/18/66.
- 3-B (north part Bellingham Bay, mid-
channel off Nooksack estuary):
Sea Grant, 72035.
- 1-S (beach seine, south side of West
Point): Sea Grant, 1973.
- 2-PO (off south of Fletcher Bay):
Sea Grant, 73008.
- 1-S (Duwamish River estuary,
downstream from 1st Ave. bridge):
Sea Grant, 1973.
- 1-SS (off Nisqually River-McAllister
Creek Delta): Sea Grant, 1973.
- 4-B (Bellingham Bay, off Nooksack
River Delta): Sea Grant, 73032.
- 1-HC (off Union): Sea Grant, 1973.
- 2-HC (mid-channel, off Union):
Sea Grant, 1973.
- 1-HC (off Skokomish River Flats):
Sea Grant, 1974.



Sardinops sagax

Clupeidae

Published Records

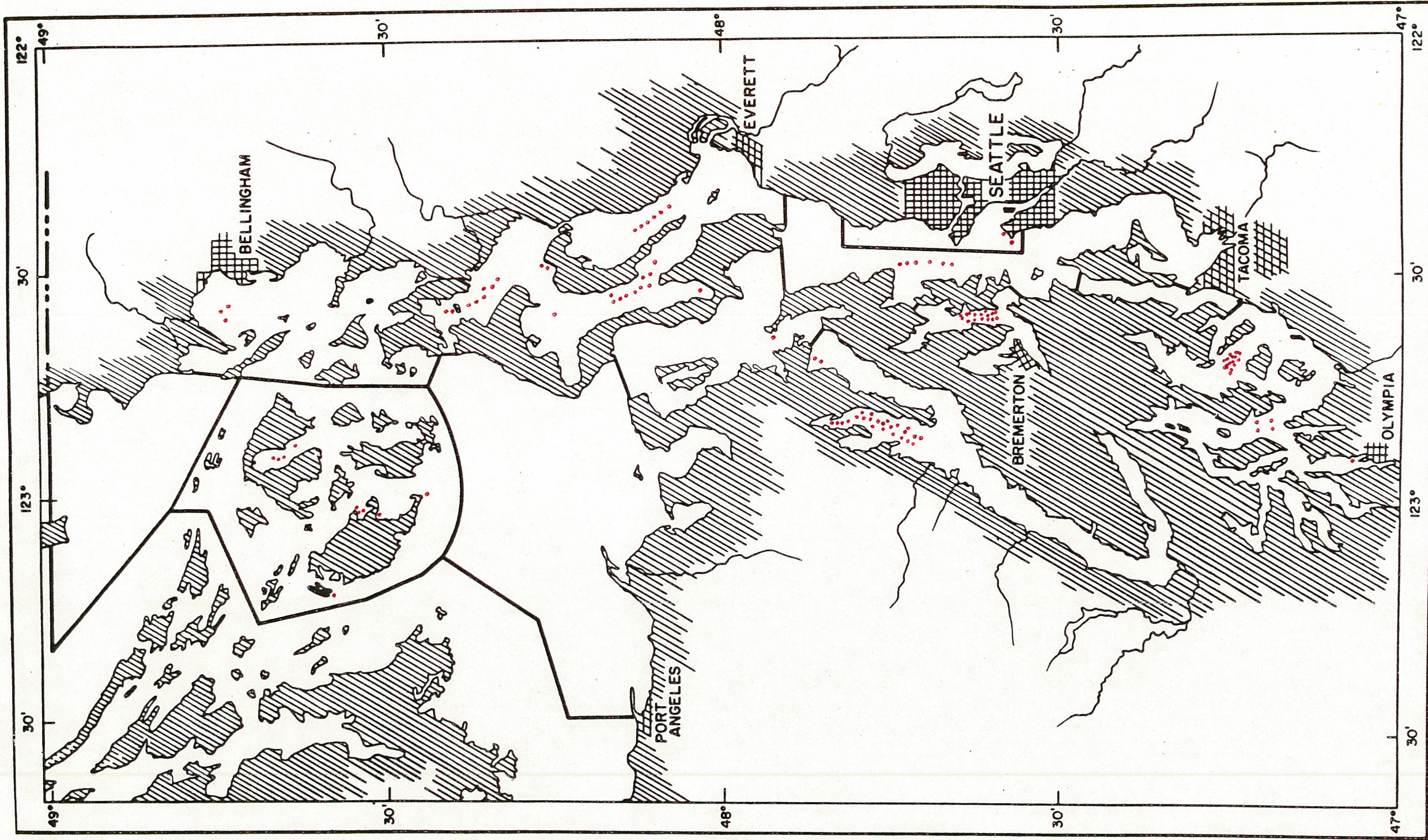
- 1-PS: Collins, 1892.
1-PS: Jordan and Starks, 1896.
1-PS: Kincaid, 1919.
1-GS:
Schultz, Hart and Gunderson 1932.

University of Washington
Museum Collection

- 1-E (Utsalady): 2555.
1-SJ (East Sound): 4853.
1-HC (Union): 5077.
1-PO (Chico): 5082.
1-E (Utsalady Beach): 12790.

Miscellaneous Logs

- 1-E (Port Susan):
U.W. Ocean., Hoh, 1963-67.



Engraulis mordax

Engraulidae

Published Records

- 1-PS: Jordan and Gilbert, 1881c.
 1-PS: Jordan and Starks, 1896.
 1-PS: Kincaid, 1919.
 8-E (Kiket Island to Strawberry Point): Stober and Salo, 1970b.
 1-HC (fyke net in Big Beef Harbor): Anderson and Chew, 1972.

University of Washington
Museum Collection

- 1-S (below Government Locks): 413.
 2-E (Utsalady): 1447; 2554.
 1-S (Alki Point): 1918.
 1-S (Duwamish to Alki Point): 14670.
 1-SS (Olympia): 5083.
 1-HC: 6153.

Friday Harbor Laboratory Log

- 1-SJ (Friday Harbor): 8/7/60.
 1-SJ (Argyle Bay): 7/15/63.
 2-SJ (Friday Harbor Lab night light): 2/8/69; 4/8/69.
 1-SJ (Open Bay): 8/19/69-1.
 1-SJ (off Cattle Point): 8/20/69-1.

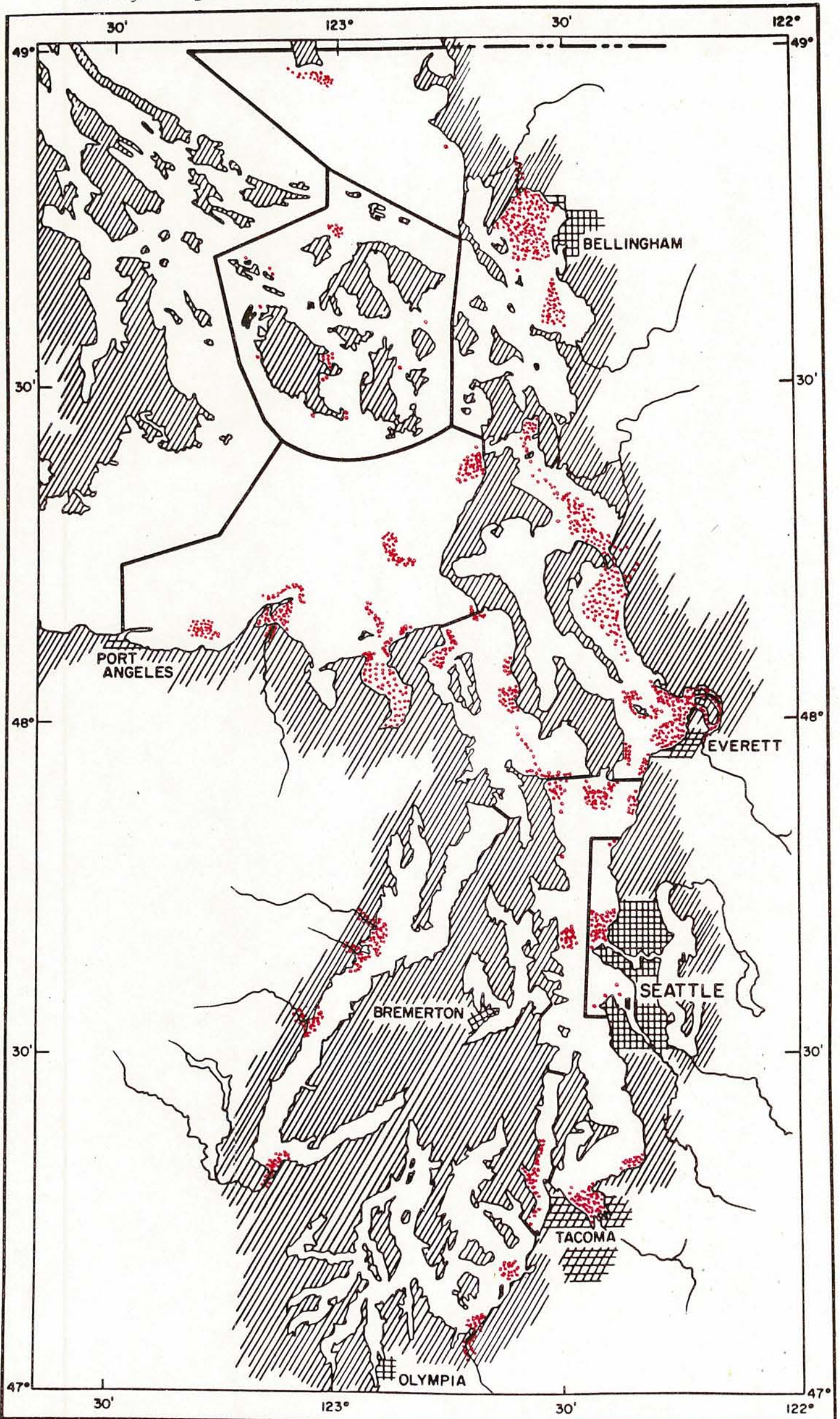
University of Washington Boat Log

- 1-PO: 6007A.
 1-E (lower Holmes Harbor): 5312E.
 7-PO (off Fletcher Bay): 6021; 6100; 6101B; 6109A; 6205D1, D2; 6427B.
 4-HC (Dabob Bay, Broad Spit to Long Spit): 6724A; 7202H,I; 7303F.
 4-HC (Dabob Bay): 7205I,N; 7112A,B.
 3-SJ (training cruise area: East Sound, north of Rosario Point): 6815H; 7118H; 7017H.
 1-E (training cruise area: off Penn Cove): 7118E.
 5-PO: 6916H; 7011B; 7104-2; 7105-1,2.
 1-AI (just south of Foulweather Bluff on east side of Hood Canal entrance): 7112E.
 1-PO (probably off Fletcher Bay): 6916D.

Miscellaneous Logs

- 2-B (Bellingham Bay):
 R. Tyler, personal communication, 6/3/63 (also Tyler, 1964).
 1-PO (Narrows, just south of Fletcher Bay):
 U.W. Ocean., P.O., 1964-65.
 4-SS (off Taylor Bay to off Whiteman Cove):
 U.W. Ocean., Commando, 1968.
 6-CS (off Skiff Point to off Point Jefferson): U.W. Ocean., herring trawl, 1968-69.

- 14-SS (mouth of Carr Inlet): U.W. Ocean., herring trawl, 1968-69.
 6-E (Port Susan): U.W. Ocean., herring trawl, 1968-69.
 7-PO (south of Fletcher Bay): U.W. Ocean., herring trawl, 1968-69.
 1-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
 10+-E (spawning in mid Saratoga Pass.):
 Percy Washington, personal communication, summer 1971.
 10+-HC (spawning in mid Dabob Bay):
 Percy Washington, personal communication, summer 1971.
 1-B (mid-channel, off Nooksack estuary): Sea Grant, 72035.
 2-HC (Squamish Bay): NMFS, Cobb-21.
 1-S (beach seine, south side of West Point): Sea Grant, 1973.



Oncorhynchus gorbuscha

Salmonidae

Published Records

- 1-PS:
Jordan and Gilbert, 1881a; 1881c.
- 1-SJ: Shelford, 1935.
- 50+-B (major run: Nooksack River):
Smoker, 1954.
- 50+-E (major runs: Skagit River,
Stillaguamish River, and
Snohomish River): Smoker, 1954.
- 50+-CS (major run: Puyallup River):
Smoker, 1954.
- 50+-JF (smaller run: Dungeness
River): Smoker, 1954.
- 50+-HC (smaller run: into Hood
Canal): Smoker, 1954.
- 50+-JF (commercial fishing:
Discovery Bay): Smoker, 1954.
- 50+-AI (commercial fishing:
Admiralty Inlet general and Point
No Point): Smoker, 1954.
- 50+-CS (commercial fishing: Point No
Point and Rolling Bay):
Smoker, 1954.
- 50+-E (commercial fishing: Port
Gardner, Port Susan, and Skagit
Bay): Smoker, 1954.
- 50+-S (commercial fishing: Meadow
Point): Smoker, 1954.
- 50+-B (commercial fishing:
Bellingham Bay): Smoker, 1954.
- 6-E (Kiket Island to Strawberry
Point): Stober and Salo, 1970b.
- 1-E (beach seine: Kiket Island):
Stober and Salo, 1970a.
- 1-SJ (Friday Harbor): Lloyd, 1936.
- B (Bellingham Bay): Tyler, 1964.
(do not use: *see* Miscellaneous Logs
for duplicates.)
- 50+-SS (sport fishing area: south of
Toliva Shoal):
Haw and Buckley, 1971.
- 50+-CS (sport fishing areas: near
shore Browns Point through
Commencement Bay; near shore
Lakota and Redondo through
Poverty Bay; and large area south
of Scatchet Head and Possession
Point; and Norma Beach through
north of Picnic Point):
Haw and Buckley, 1971.
- 50+-E (sport fishing areas: near
shore Mukilteo and south; near
shore Glendale to Columbia Beach;
near shore off City of Everett;
south of Camano Head along the
west side of Gedney Island to
southeast of Gedney Island; near
shore Mission Bar and south):
Haw and Buckley, 1971.
- 50+-HC (sport fishing area: near
shore just south of Dosewallips
River): Haw and Buckley, 1971.
- 50+-AI (sport fishing areas: near
shore Bush Point and north (best
pink area in Puget Sound); near
shore at Lagoon Point; Point
Wilson and south to Port
Townsend; near shore at Admiralty
Head): Haw and Buckley, 1971.
- 50+-JF (sport fishing areas: near
shore at Admiralty Head; off
Middle Point; around Cape George;
long shallow area west of Dallas
Bank; around Diamond Point; large
area south and west edge of
Partridge Bank):
Haw and Buckley, 1971.
- 50+-SJ (sport fishing area: off
Point Hammond, Waldron Island):
Haw and Buckley, 1971.
- 50+-GS (sport fishing area: Point
Roberts): Haw and Buckley, 1971.
- 50+-JF (sport fishing areas: off
Dungeness Spit; large area off
Green Point; off Ediz Hook):
Haw and Buckley, 1971.
- 50+-JF (commercial fishing: West
Beach): Wash. State Dep. Fish.,
Annual Report, 1969.
- 50+-SJ: Wash. State Dep. Fish.,
Annual Report, 1969.
- 50+-E (commercial fishing: Port
Susan; Port Gardner; Skagit Bay):
Wash. State Dep. Fish., Annual
Report, 1969
- 50+-B (commercial fishing: off
Nooksack River, Samish Bay):
Wash. State Dep. Fish., Annual
Report, 1969.
- 50+-HC (commercial fishing):
Wash. State Dep. Fish., Annual
Report, 1969.
- 50+-SS (Indian fishing: Nisqually
River): Wash. State Dep. Fish.,
Annual Report, 1969.
- 50+-CS (Indian fishing: Puyallup
River): Wash. State Dep. Fish.,
Annual Report, 1969.
- 50+-JF (Big Run, large escapement:
Dungeness River): Wash. State
Dep. Fish., Annual Report, 1967.
- 50+-JF (spawning ground (major):
Dungeness River):
Atkinson, Rose, and Duncan, 1967.
- 50+-B (spawning ground (major)):
Atkinson et al., 1967.
- 50+-E (spawning grounds (major):
Skagit River; Stillaguamish
River; and Snohomish River):
Atkinson et al., 1967.
- 50+-HC (spawning grounds:
Dosewallips River; Duckabush
River; and Hamma Hamma River):
Atkinson et al., 1967.
- 50+-CS (spawning ground: Puyallup
River): Atkinson et al., 1967.
- 10+-HC (commercial fishing:
Skokomish River): Wash. State
Dep. Fish., Annual Report, 1969.
- 50+-GS: Pritchard and DeLacy, 1944;
DeLacy and Neave, 1947.

Oncorhynchus gorbuscha

Salmonidae

University of Washington
Museum Collection

- 1-S (Pipers Canyon): 143.
 1-S (Alki Point): 920.
 1-SJ (near Peavine Pass): 1100.
 3-SJ (Friday Harbor):
 2098; 2107; 15010.
 1-SJ (Roche Harbor): 2946.
 2-SJ: 3546; 15829.
 1-CS (Tacoma): 4252.
 2-S (Edmonds): 4259; 6572.
 2-S (Ballard Beach): 4299; 11275.
 1-S (beach seine: North Beach):
 4678.
 1-S (Shilshole Bay): 5193.
 1-CS (Kingston cove, Appletree
 Cove): 5314.
 1-S (Carkeek Park): 5534.
 1-PS: 5601.
- 3-E: WSDF, Sport Fish., 1965-70.
 50+-AI (off Bush Point):
 WSDF, Sport Fish., 1965-70.
 1-S (Elliott Bay):
 WSDF, Sport Fish., 1965-70.
 3-SS: WSDF, Sport Fish., 1965-70.
 50+-HC: WSDF, Sport Fish., 1965-70.
 1-JF (inside Dungeness Spit):
 Peninsula College, 1971.
 50+-CP (Gig Harbor): Ray Johnson,
 personal communication, 4/24/72.
 1-S (beach seine: north side West
 Point): Sea Grant, 1973.
 1-GS (south of Cherry Point):
 Sea Grant, 72008.

Friday Harbor Laboratory Log

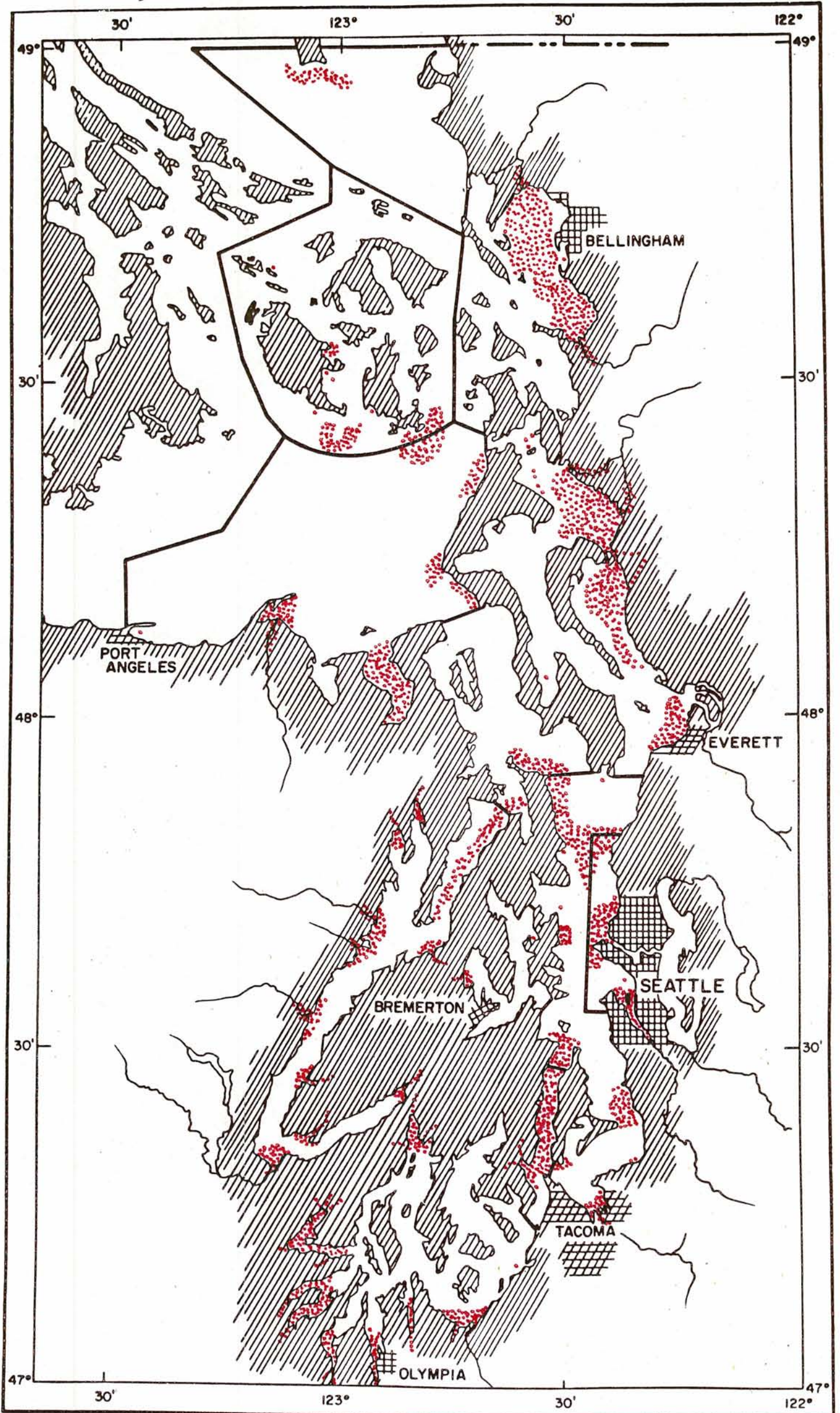
- 1-SJ (Reef Bay, northeast Johns
 Island): 7/5/51-1.
 1-SJ (Johns Island): 7/10/50-1.
 1-SJ (Satellite Island): 7/10/50-5.
 2-SJ (Friday Harbor):
 6/21/55-1; 8/5-10/60.
 3-SJ (Friday Harbor Lab):
 7/50; 7/17/60; 6/67.
 1-SJ (Eagle Point): 7/13/50-3.
 2-SJ (west of Goose Island):
 7/13/50-4,5.
 1-SJ (south of Frost Island):
 6/19/50-2 (also boat 5033D).
 2-SJ (Argyle Bay):
 6/22/61; 7/15/63.
 1-SJ (Deadman Bay): 6/22/63.

University of Washington Boat Log

- 13-S (beach seine: Golden Gardens to
 Meadow Point): 5015D; 5209D;
 5214B1,B2; 5215G,J,L; 5411C;
 5414A,D; 5415D,I; 5612A.
 2-S (beach seine: Carkeek Park):
 5808A,B.
 1-E (training cruise area: off
 Strawberry Point): 6614.
 1-S (west of Duwamish Head): 6615A.

Miscellaneous Logs

- 11-B (beach seine and fyke net:
 north part of Bellingham Bay):
 R. Tyler, personal communication,
 1/18/74.
 1-B (townet: Bellingham Bay, north
 of Eliza Island): R. Tyler,
 personal communication, 1/18/74.
 10+-E (large area east of Gedney
 Island): R. Tyler, personal
 communication, 6/3/63.
 50+-JF (off West Beach):
 WSDF, Sport Fish., 1965-70.
 50+-E (Skagit and Similk Bays):
 WSDF, Sport Fish., 1965-70.



Oncorhynchus keta

Salmonidae

Published Records

- 1-SS (Fort Steilacoom):
Suckley, 1874.
- 1-JF (New Dungeness):
Suckley, 1874.
- 1-PS: Jordan and Gilbert, 1881a,c.
- 2-S (Duwamish River; Cedar River):
Rathbun, 1900.
- 1-SJ: Starks, 1911.
- 50+-GS (commercial: Point Roberts):
Kelly, 1946.
- 50+-B (commercial: Bellingham Bay):
Kelly, 1946.
- 50+-SJ (commercial: south of Cattle
Point; southeast of Lopez
Island): Kelly, 1946.
- 50+-E (commercial: Skagit Bay; Port
Gardner): Kelly, 1946.
- 50+-JF (commercial: west of Point
Partridge; south of Point
Partridge to Admiralty Head;
Discovery Bay): Kelly, 1946.
- 50+-AI (commercial: Foulweather
Bluff to Point No Point):
Kelly, 1946.
- 50+-HC (commercial: Port Gamble to
Hazel Point): Kelly, 1946.
- 50+-CS (commercial: Point No Point
to Apple Cove Point; Bainbridge
Island toward Magnolia Bluff; off
Edmonds): Kelly, 1946.
- 50+-CS and CP (commercial: above
north end of Colves Pass to south
end of Vashon Island; Point Pully
to east tip of Maury Island):
Kelly, 1946.
- 50+-S (commercial: off Magnolia
Bluff; off Edmonds):
Kelly, 1946.
- 50+-SS (commercial: Nisqually
Flats): Kelly, 1946.
- 50+-JF (commercial: Discovery Bay):
Smoker, 1954.
- 50+-AI (commercial: Point No Point):
Smoker, 1954.
- 50+-E (commercial: Port Gardner;
Port Susan; Skagit River and
Skagit Bay): Smoker, 1954.
- 50+-B (commercial: Bellingham Bay
and Nooksack River):
Smoker, 1954.
- 50+-S (commercial: Meadow Point):
Smoker, 1954.
- 50+-CS (commercial: Point No Point;
Rolling Bay; White-Puyallup
River): Smoker, 1954.
- 50+-SS (commercial: Nisqually River;
Indian): Smoker, 1954.
- 50+-HC (commercial: Skokomish
River): Smoker, 1954.
- 50+-JF (spawning grounds: Dungeness
River):
Atkinson, Rose, and Duncan, 1967.
- 50+-B (spawning grounds: Samish
River; Nooksack River):
Atkinson et al., 1967.
- 50+-E (spawning grounds: Skagit
River; Stillaguamish River;
Snohomish River):
Atkinson et al., 1967.
- 50+-HC (spawning grounds: creek at
north end Dabob Bay; Quilcene
River; Dosewallips River; Big
Beef Creek; Duckabush River;
Hamma Hamma River; Skokomish
River; creek at Dewatto Bay;
Tahuya River; Union River):
Atkinson et al., 1967.
- 50+-PO (spawning grounds: Chico
Creek): Atkinson et al., 1967.
- 50+-S (spawning grounds: Green-
Duwamish River):
Atkinson et al., 1967.
- 50+-CS (spawning grounds: Puyallup
River): Atkinson et al., 1967.
- 50+-SS (spawning grounds: Nisqually
River; McAllister Creek; creeks
at head of Henderson Inlet;
Deschutes River; creeks at head
of Eld Inlet; creeks at head of
Wildcat Harbor and Totten Inlet;
creeks near Skookum Point;
Shelton, and at head of Oakland
Bay; creeks near Grapeview,
Allyn, and Victor; Minter Creek):
Atkinson et al., 1967.
- 6-E (Kiket Island to Strawberry
Point): Stober and Salo, 1970b.
- 1-E (beach seine: Kiket Island):
Stober and Salo, 1970a.
- 1+-SS: Jensen, 1952.
- 1+-HC: Jensen, 1952.
- 1+-E (Port Gardner and Port Susan):
Johnson, 1952.
- 100-B (beach seine and fyke net:
Bellingham Bay, north of Eliza
Island): Tyler, 1964.
- 40-B (townet: Bellingham Bay, north
of Eliza Island): Tyler, 1964.
- 50+-JF (commercial fishing: West
Beach): Wash. State Dep. Fish.,
Annual Report, 1969.
- 50+-SJ (commercial fishing):
Wash. State Dep. Fish., Annual
Report, 1969.
- 50+-E (commercial fishing: Port
Susan; Port Gardner; and Skagit
Bay): Wash. State Dep. Fish.,
Annual Report, 1969.
- 50+-B (commercial fishing: Nooksack
River; Samish Bay): Wash. State
Dep. Fish., Annual Report, 1969.
- 50+-HC (commercial fishing: Hood
Canal; Indian fishing: Skokomish
River): Wash. State Dep. Fish.,
Annual Report, 1969.
- 50+-SS (Indian fishing: Nisqually
River): Wash. State Dep. Fish.,
Annual Report, 1969.
- 2-HC (fyke net: in Big Beef Harbor):
Anderson and Chew, 1972.

Oncorhynchus keta

Salmonidae

University of Washington
Museum Collection

1-S (Pipers Canyon): 142.
 1-SJ (Davis Bay): 610.
 1-S (Seattle): 332.
 1-S (North Beach): 4235.
 5-S (Edmonds):
 4260; 4916; 4931; 6328; 6573.
 1-S (Ballard Beach): 4300.
 1-S (entrance to ship canal): 5009.
 2-CS (Redondo Beach): 5308; 15096.
 1-CS (Kingston dock): 5315.
 1-PS (sport fishing: Possession
 Point area and West Whidbey
 Island): 8374.
 1-S (spit area, Ballard Locks):
 4583.
 1-CP (Point Defiance): 14995.
 3-SJ (Friday Harbor Lab):
 15049; 15050 (also Friday Harbor
 Log, 8/1/52); 15052.
 1-SJ (second bay, north side Johns
 Island): 15051.
 1-PS: 15080.
 1-CS (Monroe Spit): 15084.
 1-S (Golden Gardens): 15066.
 1-B (Chuckanut Bay): 18888.

Friday Harbor Laboratory Log

1-SJ (Eagle Point): 7/13/50.
 2-SJ (night light: Friday Harbor
 Lab): 7/50; 1969.
 6-SJ (Friday Harbor Lab):
 7/31/52; 8/2/52; 8/4/52; 7/7/52;
 7/8/52; 7/29/55.
 1-SJ (White Point): 6/25/55-1.
 2-SJ (Friday Harbor):
 8/2/55; 8/5-10/60.
 1-SJ (Argyle Bay): 8/16/55-2.
 1-SJ (North Bay): 8/18/60-1.

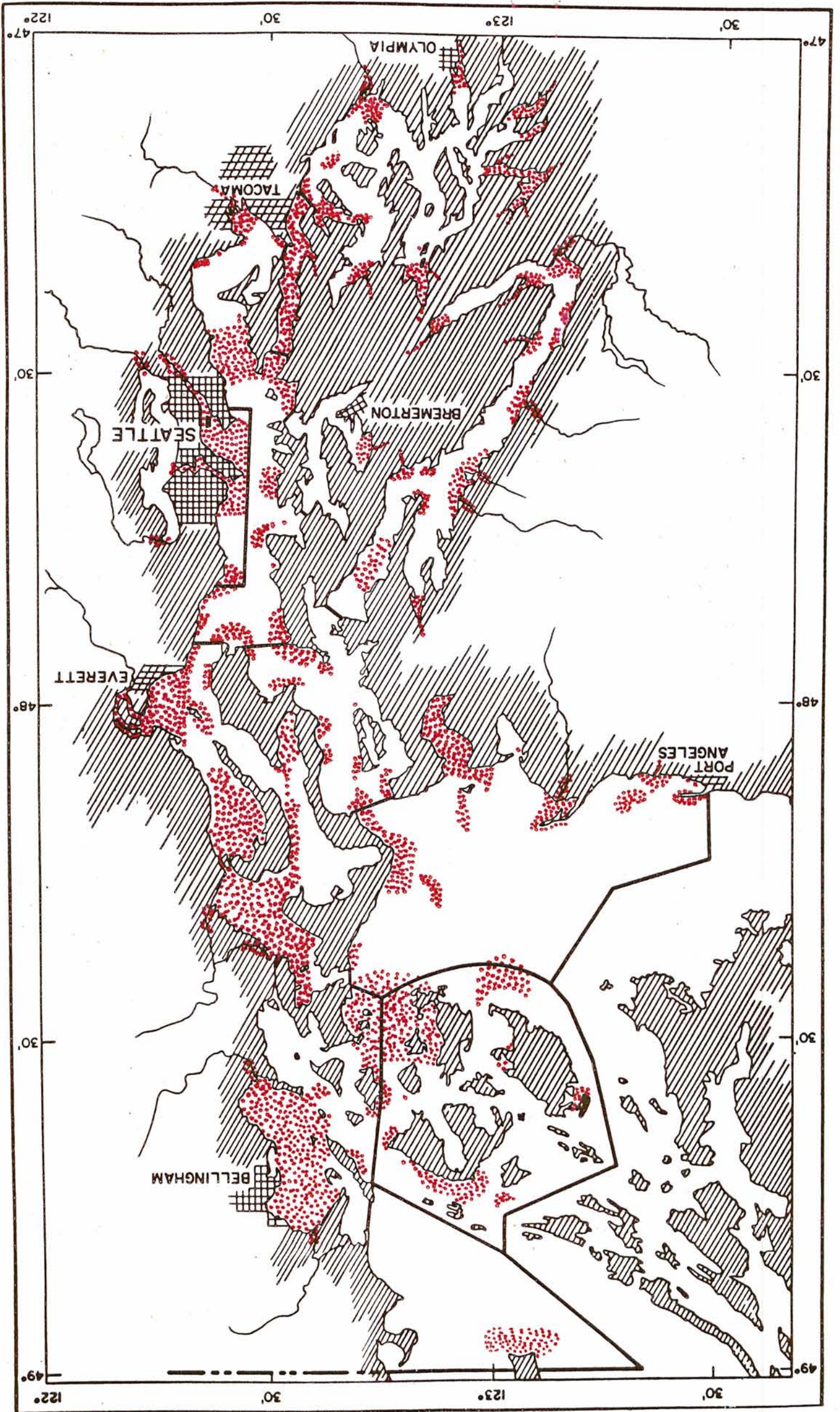
University of Washington Boat Log

14-S (beach seine: Golden Gardens):
 5114D; 5510A,E,F; 5513A,B,D;
 5710C; 5914A,B,C; 6115A.
 1-S (beach seine: Carkeek Park):
 5313A.
 2-S (beach seine: north side of West
 Point): 7310B2,B3.
 1-S (Golden Gardens): 6511C.
 1-PO (in Manzanita Bay, night
 light): 5518.
 1-E (Holmes Harbor): 7110D.

Miscellaneous Logs

1-B (Bellingham Bay): Bill High,
 personal communication, 12/9/63.
 50+-HC: WSDF, Sport Fish., 1965-70.
 1-JF (beach seine: inside Dungeness
 Spit): Peninsula College, 1971.
 1-JF (beach seine: inside Port
 Angeles embayment):
 Peninsula College, 1971.

50+-CP (spawning grounds: Crescent
 Creek and other small creeks
 entering Gig Harbor; large
 numbers of juvenile chum are seen
 in Gig Harbor, mostly on side
 opposite the town): Ray Johnson,
 personal communication, 4/24/72.
 1-S (beach seine: north side of West
 Point): Sea Grant, 1973.
 1-S (beach seine: south side of West
 Point): Sea Grant, 1973.
 6-B (beach seine: Wildcat Cove):
 Sea Grant, 1973.



Oncohynechus kisutch (coho salmon)

Salmonidae

Oncorhynchus kisutch

Salmonidae

Published Records

- 1-PS: Jordan and Gilbert, 1881a,c.
 2-S (Duwamish River; Lake Union):
 Evermann and Meek, 1898.
 1-JF (beach seine: Port Angeles):
 Gilbert, 1895.
 1-PS: Rathbun, 1900.
 1-SJ (near Friday Harbor):
 Powers, 1921.
 1-SJ: Shelford, 1935.
 50+-GS (commercial fishing: Point
 Roberts): Kelly, 1946.
 50+-SJ (commercial fishing: north of
 Orcas Island; Lopez Island to
 Fidalgo Island; south of San Juan
 Island): Kelly, 1946.
 50+-B (commercial fishing:
 Bellingham Bay): Kelly, 1946.
 50+-B (commercial fishing: off west
 side of Fidalgo Island):
 Kelly, 1946.
 50+-E (commercial fishing: Skagit
 Bay; Port Gardner): Kelly, 1946.
 50+-JF (commercial fishing: Point
 Partridge through Admiralty Head;
 Discovery Bay): Kelly, 1946.
 50+-HC (commercial fishing: below
 Squamish Harbor): Kelly, 1946.
 50+-S (commercial fishing: Edmonds;
 off Magnolia): Kelly, 1946.
 50+-CP (commercial fishing: north
 part of Colvos Pass):
 Kelly, 1946.
 50+-CS (commercial fishing: north
 part of East Pass.):
 Kelly, 1946.
 50+-JF (commercial fishing:
 Discovery Bay): Smoker, 1954.
 50+-AI (commercial fishing):
 Smoker, 1954.
 50+-CS (commercial fishing: Point No
 Point; Rolling Bay; Indian
 fishing: White-Puyallup River):
 Smoker, 1954.
 50+-E (commercial fishing: Port
 Gardner; Port Susan; Skagit River
 and Skagit Bay): Smoker, 1954.
 50+-B (commercial fishing: Nooksack
 River and Bellingham Bay):
 Smoker, 1954.
 50+-S (commercial fishing: Meadow
 Point): Smoker, 1954.
 50+-SS (commercial fishing:
 Nisqually River): Smoker, 1954.
 50+-HC (commercial fishing:
 Skokomish River): Smoker, 1954.
 50+-JF (spawning grounds: Morse
 Creek; Dungeness River):
 Atkinson, Rose, and Duncan, 1967.
 50+-B (spawning grounds: Nooksack
 River; Samish River):
 Atkinson et al., 1967.
 50+-E (spawning grounds: Skagit
 River; Stillaguamish River;
 Snohomish River):
 Atkinson et al., 1967.
 50+-HC (spawning grounds: creek at
 head of Dabob Bay; Big Beef
 Creek; Dosewallips River; Ducka-
 bush River; Hamma Hamma River;
 creek at Dewatto Bay; Tahuya
 River; Union River; Skokomish
 River): Atkinson et al., 1967.
 50+-CS (spawning grounds: Puyallup
 River): Atkinson et al., 1967.
 50+-PO (spawning grounds: Chico
 Creek): Atkinson et al., 1967.
 50+-S (spawning grounds: Ship Canal;
 Issaquah Creek; Cedar River;
 Green-Duwamish River):
 Atkinson et al., 1967.
 50+-SS (spawning grounds: Nisqually
 River; Minter Creek; Deschutes
 River; creeks entering heads of
 Skookum and Totten Inlets; creeks
 near Skookum Point, Shelton, and
 the head of Oakland Bay; creeks
 near Grapeview and Allyn):
 Atkinson et al., 1967.
 54-B (fyke net and beach seine:
 north of Eliza Island in
 Bellingham Bay): Tyler, 1964.
 33-B (towntnet: north of Eliza Island
 in Bellingham Bay): Tyler, 1964.
 6-E (Kiket Island to Strawberry
 Point): Stober and Salo, 1970b.
 42-S (Seattle and Elliott Bay):
 Allen, 1956.
 50+-JF (Diamond Point):
 Allen, 1956.
 50+-CS (Possession Point):
 Allen, 1956.
 59+-CP (Day Island): Allen, 1956.
 50+-S (Government Locks):
 Allen, 1956.
 50+-CS (Manchester): Allen, 1956.
 50+-HC: Allen, 1956.
 50+-SJ: Allen, 1956.
 50+-AI: Allen, 1956.
 50+-B (near Bellingham):
 Sjolseth, 1969.
 2-CP (Gig Harbor):
 Miller and Stauffer, 1967.
 2-CP (Colvos Pass):
 Miller and Stauffer, 1967.
 3-CS (north tip of Vashon Island):
 Miller and Stauffer, 1967.
 2-CS (east of Vashon Island):
 Miller and Stauffer, 1967.
 7-CS (east of Bainbridge Island):
 Miller and Stauffer, 1967.
 5-CS (south of Whidbey Island):
 Miller and Stauffer, 1967.
 2-S (Elliott Bay):
 Miller and Stauffer, 1967.
 9-S (Golden Gardens):
 Miller and Stauffer, 1967.
 4-S (Seattle):
 Miller and Stauffer, 1967.
 2-E (Everett):
 Miller and Stauffer, 1967.

Oncorhynchus kisutch

Salmonidae

Published Records

- 1-AI (south tip of Marrowstone Island):
Miller and Stauffer, 1967.
- 1-HC: Bayliff, 1953.
- 1-JF: Bayliff, 1953.
- 1-E (Everett): Bayliff, 1953.
- 50+-S (sport catch: Ballard; Elliott Bay): Fitzgerald, 1953.
- 50+-E (sport catch: Camano; Holmes Harbor; Port Susan; Skagit Bay): Fitzgerald, 1953.
- 50+-HC (sport catch: north and south): Fitzgerald, 1953.
- 50+-AI (sport catch: north side Point No Point): Fitzgerald, 1953.
- 50+-CS (sport catch: Possession Point; Rolling Bay; Puyallup River estuary): Fitzgerald, 1953.
- 50+-CP (sport catch: Point Defiance): Fitzgerald, 1953.
- 2-E (Skagit Bay): Jensen, 1952.
- 2-AI (Bush Point): Jensen, 1952.
- 2-JF (West Beach): Jensen, 1952.
- 3-CS (Possession Point; Meadowdale; Rolling Bay): Jensen, 1952.
- 1-S (Ballard): Jensen, 1952.
- 2-E (Port Susan; Port Gardner): Jensen, 1952.
- 2-CP (West Pass.; Point Defiance): Jensen, 1952.
- 2-E (Port Gardner; Port Susan): Johnson, 1952.
- 1-CS (beach seine: south side of Point Jefferson): Kendall, 1966.
- 1-CS (Dumas Bay): Miller, 1971b.
- 1-CS (Seahurst County Park): Miller, 1971a.
- 50+-SS (sport fishing areas: south of Anderson Island; Toliva Shoal; Hale Pass near Wollochet Bay; south of Green Point into Hale Pass; off Minter Creek): Haw and Buckley, 1971.
- 50+-CP (sport fishing areas: Point Defiance): Haw and Buckley, 1971.
- 50+-CS (sport fishing areas: near Point Defiance; Browns Point through Tacoma waterfront; Poverty Bay through Lakota; Jefferson Head; large area south of Whidbey Island; Normar Beach and north): Haw and Buckley, 1971.
- 50+-HC (sport fishing areas: Tahuya; Union; Hoodspert; Dewatto; Lilhwaup; Misery Point; Oak Head and Tskutsko Point): Haw and Buckley, 1971.
- 50+-S (sport fishing areas: off Duwamish River and Harbor Island; West Point through Golden Gardens): Haw and Buckley, 1971.
- 50+-AI (sport fishing areas: Point No Point to Hansville; south of Double Bluff; north of Foulweather Bluff): Haw and Buckley, 1971.
- 50+-E (sport fishing areas: Mukilteo and south; Glendale to Columbia Beach; Everett waterfront; large area north, west, and south of Gedney Island; Mission Bar; Baby Island; Onamac Point through Rocky Point; large area north of Rocky Point): Haw and Buckley, 1971.
- 50+-AI (sport fishing areas: Bush Point and north; Lagoon Point; east of Marrowstone Point; Point Wilson and south; Admiralty Head): Haw and Buckley, 1971.
- 50+-JF (sport fishing areas: Admiralty Head; east of Dallas Bank; Diamond Point; west and south of Partridge Bank; West Beach): Haw and Buckley, 1971.
- 50+-B (sport fishing areas: south of Reef Point, Cypress Island; Strawberry Island, Tide Point, and Towhead Island; Lummi Rocks, west side Lummi Island): Haw and Buckley, 1971.
- 50+-SJ (sport fishing areas: south of Point Lawrence; north of Waldron Island; Mosquito Pass): Haw and Buckley, 1971.
- 50+-GS (sport fishing area: Point Roberts): Haw and Buckley, 1971.
- 50+-JF (sport fishing areas: outside Dungeness Spit; large area north of Green Point; outside Ediz Hook): Haw and Buckley, 1971.
- 50+-HC (Indian fishing: Skokomish River): Wash. State Dep. Fish., Annual Report, 1969.
- 50+-CS (Indian fishing: Puyallup River): Wash. State Dep. Fish., Annual Report, 1969.
- 1+-SJ: MacPhee and Clemens, 1962 (also Friday Harbor Lab Log).
- 50+-SS (Indian fishing: Nisqually River): Wash. State Dep. Fish., Annual Report, 1969.

University of Washington
Museum Collection

- 2-S (Seattle): 836; 846.
- 1-SJ (Peavine Pass.): 1099.
- 1-S (below Government Locks): 1853.
- 1-S (Edmonds Beach): 4478.
- 1-S (south of Ballard Locks): 4814.
- 1-PS: 5018.
- 2-S (Edmonds): 5289, 6326.
- 1-S (off Edmonds): 15023.
- 1-S (Golden Gardens): 6043.

Oncorhynchus kisutch

Salmonidae

University of Washington
Museum Collection

- 1-PS: 6154.
 1-S (Ballard Locks): 6322.
 1-CS (Possession Point): 8371.
 2-CP (Point Defiance): 8372; 14996.
 1-PS (Possession Point area and West Whidbey Island, sport fishing): 8373.
 1-CS (Manchester): 15024.
 1-SS (Tumwater): 15054.
 1-PS (Everett boathouse and Haines wharf): 16071.
 1-S (Harbor Island, Elliott Bay): 14368.
 3-JF (Dungeness hatchery): 15011; 15009; 15039.
 1-JF (Snow Creek above bridge at Discovery Bay): 17543.

Friday Harbor Laboratory Log

- 1-SJ (Friday Harbor): 8/5-10/60.
 2-SJ (Argyle Bay): 6/23/61; 7/18/61-1.
 1-JF: 8/60.
 1-SJ (Friday Harbor, night light): 1969.

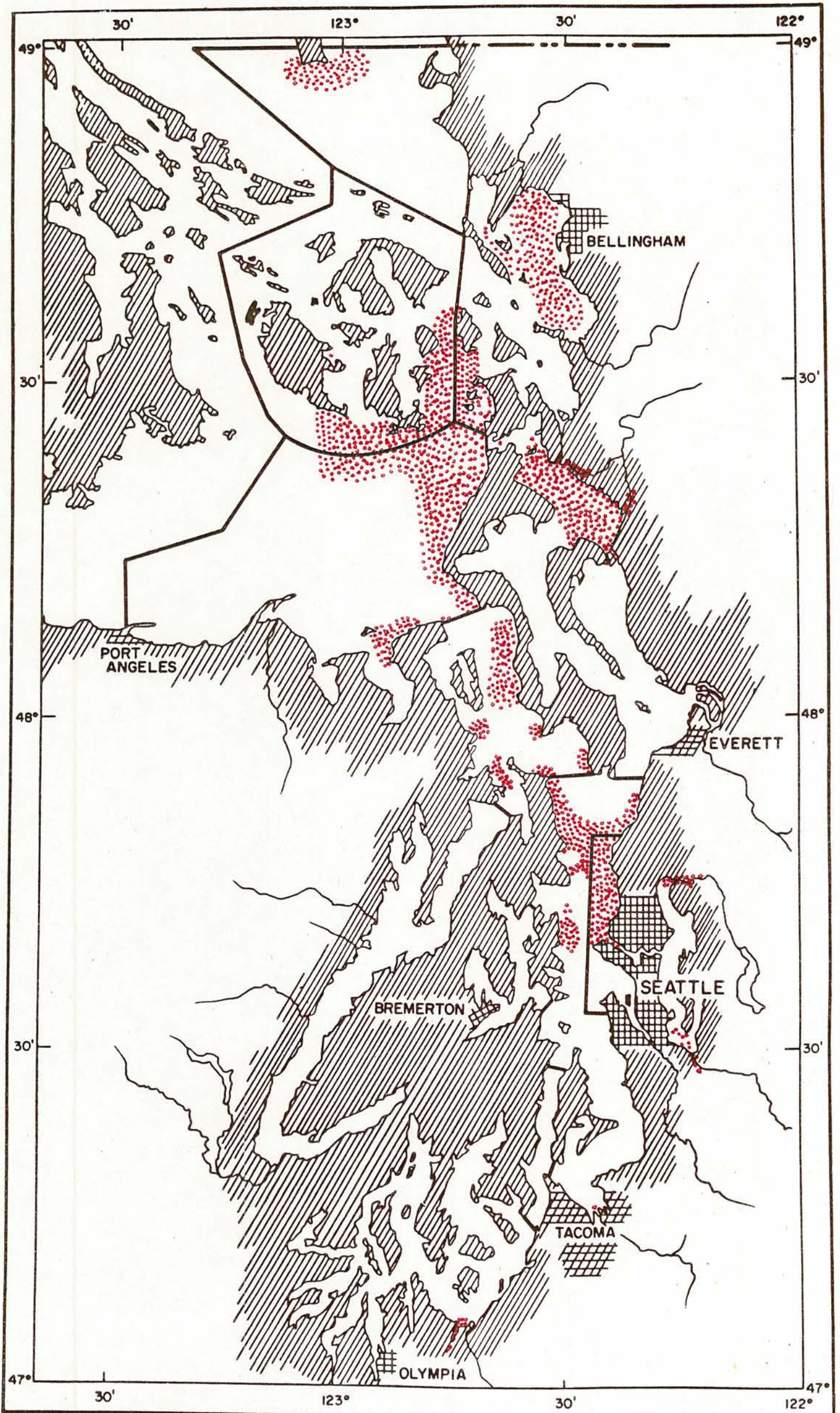
University of Washington Boat Log

- 28-S (beach seine: Golden Gardens): 5015B,C,D; 5021H; 5024C; 5116G2; 5214A; 5215U; 5411A; 5414A; 5415A,I,J,G,P; 5417A; 5914A; 5920M,N; 6019A,C; 6116B; 6210C; 6211; 6319; 6417; 6709; 6716.
 1-S (beach seine: Carkeek Park): 5225A.
 1-S (off Carkeek Park): 5519.
 1-S (Golden Gardens): 6511C.
 4-S (beach seine: West Point, north side near Metro dock): 7310A1,A2,B1,B3.

Miscellaneous Logs

- 2-JF (Dungeness embayment, inside spit): Peninsula College, 1971.
 1-JF (inside Ediz Hook): Peninsula College, 1971.
 1-JF (Sequim Bay): Battelle, 1967-69.
 50+-JF (off West Beach): WSDF, Sport Fish., 1965-70.
 50+-E (Skagit and Similk Bays): WSDF, Sport Fish., 1965-70.
 50+-E (Everett): WSDF, Sport Fish., 1965-70.
 50+-AI (off Bush Point): WSDF, Sport Fish., 1965-70.
 50+-S (Elliott Bay): WSDF, Sport Fish., 1965-70.
 5-SS: WSDF, Sport Fish., 1965-70.
 4-SJ: WSDF, Sport Fish., 1965-70.
 50+-HC: WSDF, Sport Fish., 1965-70.

- 50+-CP (moderate run up Crescent Creek, Gig Harbor, plus many juveniles enter Gig Harbor on way through Tacoma Narrows, most stay on side opposite the town): Ray Johnson, personal communication, 4/24/72.
 1-S (beach seine: north side of West Point): Sea Grant, 1973.
 1-S (beach seine: south side of West Point): Sea Grant, 1973.
 5-B (beach seine: Wildcat Cove): Sea Grant, 1973.
 1-SS (east side of Stretch Island): Sea Grant, 73056.
 1-CS (in Appletree Cove): Doug Olander, personal communication, Sport Catch Log, 1972-73.
 1-S (Golden Gardens to Meadow Point): NIH, 1968-71.



Oncorhynchus nerka

Salmonidae

Published Records

- 1-PS: Jordan and Gilbert, 1881c.
 1-SJ: Shelford, 1935.
 1-PS: Rathbun, 1900.
 15+-SJ (tagging: Salmon Banks):
 O'Malley and Rich, 1920.
 10+-JF (tagging: Point Partridge):
 O'Malley and Rich, 1920.
 11+-B (tagging: Lummi Island):
 O'Malley and Rich, 1920.
 16+-GS (tagging: Point Roberts):
 O'Malley and Rich, 1920.
 50+-GS (commercial fishing: large
 area west, south, and east of
 Point Roberts): Kelly, 1946.
 50+-SJ and JF (commercial fishing:
 large area south of San Juan and
 Lopez Islands): Kelly, 1946.
 50+-SJ, B, and JF (commercial
 fishing: large area from Cypress
 Island to Admiralty Head):
 Kelly, 1946.
 50+-E (Indian traps: Skagit Bay):
 Smoker, 1954.
 50+-E (spawning grounds: Skagit
 River): Smoker, 1954.
 50+-S (spawning grounds: Lake
 Washington and Lake Sammamish):
 Smoker, 1954.
 50+-E (commercial fishing: Skagit
 River and Skagit Bay):
 Smoker, 1954.
 5-E (Kiket Island to Strawberry
 Point): Stober and Salo, 1970b.
 1-SJ (Friday Harbor): Lloyd, 1936.
 50+-JF (commercial fishing: Point
 Beckett to Middle Point):
 Wash. State Dep. Fish., Annual
 Report, 1969.
 50+-AI (commercial fishing: Bush
 Point to Admiralty Bay):
 Wash. State Dep. Fish., Annual
 Report, 1969.
 50+-CS (commercial fishing: Edmonds
 to Apple Cove Point to Point No
 Point): Wash. State Dep. Fish.,
 Annual Report, 1969.
 50+-S (commercial fishing: Meadow
 Point to Edmonds): Wash. State
 Dep. Fish., Annual Report, 1969.
 50+-JF (purse seine test fishing:
 West Beach): Wash. State Dep.
 Fish., Annual Report, 1969.
 4-AI (purse seine test fishery:
 north side of Olele Point; east
 of Tala Point; north of Hood
 Head; north of Point No Point):
 Wash. State Dep. Fish., Annual
 Report, 1969.
 25+-JF (purse seine test fishery:
 Cape George to Protection Island
 to Middle Point): Wash. State
 Dep. Fish., Annual Report, 1969.
 15+-AI (purse seine test fishery:
 north of Olele Point; east of
 Tala Point; and north of Hood
 Head): Wash. State Dep. Fish.,
 Annual Report, 1969.
 2+-AI (purse seine test fishery:
 south of Craven Rock):
 Wash. State Dep. Fish., Annual
 Report, 1969.
 4+-JF (purse seine test fishery:
 Point Wilson; off north of Ebeys
 landing): Wash. State Dep.
 Fish., Annual Report, 1969.
 50+-AI (purse seine test fishery:
 West of Bush Point; Lagoon Point
 to off Greenbank): Wash. State
 Dep. Fish., Annual Report, 1969.
 10+-AI (purse seine test fishery:
 Norwegian Point): Wash. State
 Dep. Fish., Annual Report, 1969.
 20+-AI (purse seine test fishery:
 south end of Mutiny Bay; off
 Indian Point): Wash. State Dep.
 Fish., Annual Report, 1969.
 40+-CS (purse seine test fishery:
 Pilot Point; south of Eglon;
 north of Apple Cove Point; and
 northeast of President Point):
 Wash. State Dep. Fish., Annual
 Report, 1969.
 5+-CS (purse seine test fishery:
 Skiff Point to north of Point
 Monroe): Wash. State Dep. Fish.,
 Annual Report, 1969.
 50+-S (purse seine test fishery:
 Carkeek Park to Edmonds):
 Wash. State Dep. Fish., Annual
 Report, 1969.
 25+-CS (purse seine test fishery:
 north of Edmonds to Picnic
 Point): Wash. State Dep. Fish.,
 Annual Report, 1969.
 50+-SJ (commercial fishing):
 Wash. State Dep. Fish., Annual
 Report, 1969.
 50+-E (commercial fishing: Skagit
 Bay): Wash. State Dep. Fish.,
 Annual Report, 1969.
 50+-B (commercial fishing: Nooksack
 River to Sammamish Bay):
 Wash. State Dep. Fish., Annual
 Report, 1969.
 50+-CS (commercial fishing: Rolling
 Bay): Wash. State Dep. Fish.,
 Annual Report, 1969.
 50+-GS (commercial fishing: Point
 Roberts): Wash. State Dep.
 Fish., Annual Report, 1969.
 50+-S (spawning grounds: Cedar River
 and Issaquah Creek):
 Atkinson, Rose, and Duncan, 1967.
 50+-E (spawning grounds: two small
 tributaries of the Skagit River):
 Atkinson et al., 1967.
 11-JF (West Beach): Idyll, 1951.
 3-B (Lummi Island): Idyll, 1951.

Oncorhynchus nerka

Salmonidae

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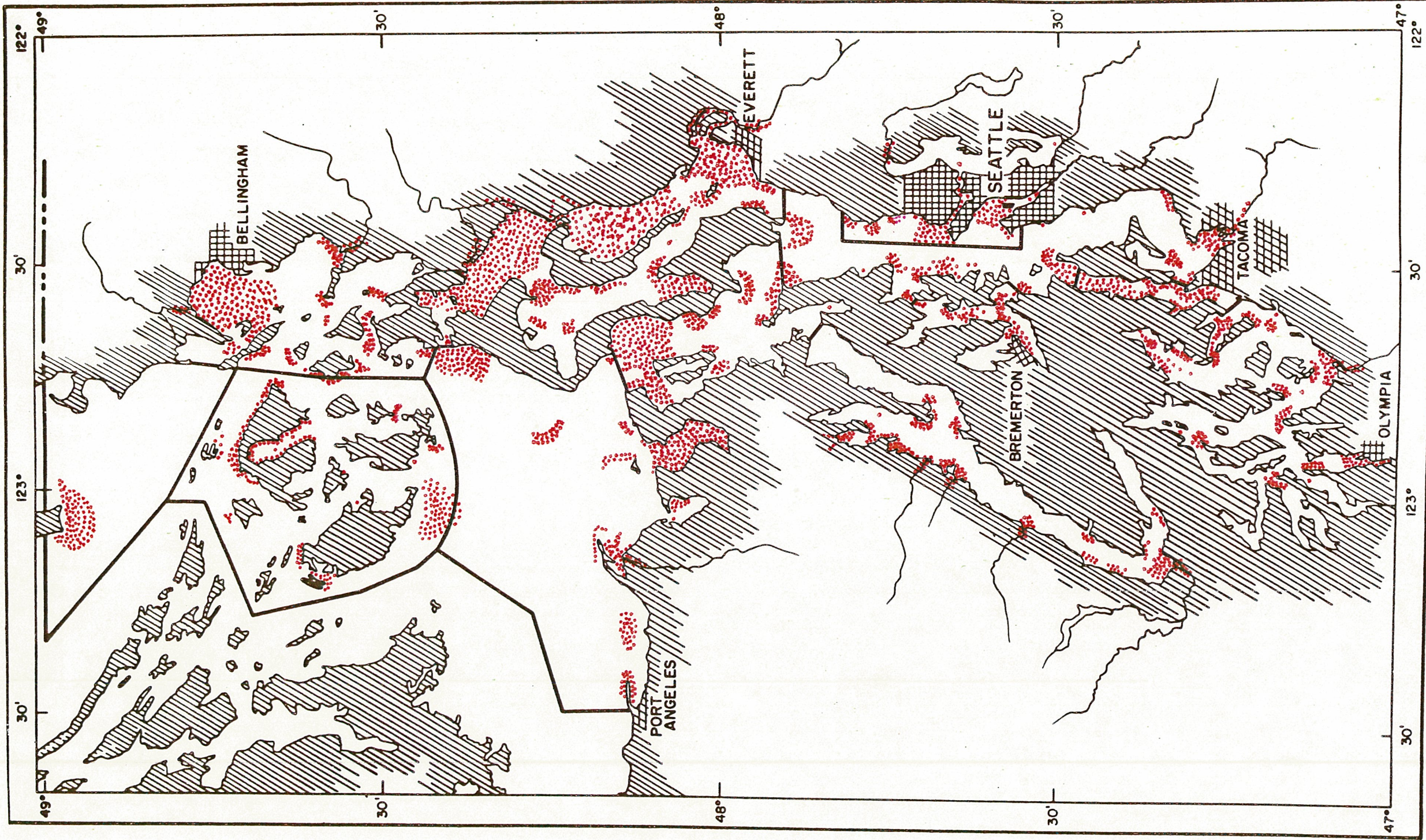
- 1-E (Deception Pass): 170.
1-S (west of Ballard Locks): 4820.
1-S (Edmonds): 6324.
1-CS (Wapato Canal, Tacoma): 15033.

Friday Harbor Laboratory Log

- 1-SJ (Salmon Bank): 8/8/50-1.

Miscellaneous Logs

- 50+-S (entrance to ship canal,
limited gillnet fishery):
Steve Borton, personal
communication, 1972.
10+-SS (small run started:
McAllister Creek): John Slipp,
personal communication, 4/25/72.



Oncorhynchus tshawytscha

Salmonidae

Published Records

- 1-SS (at Fort Steilacoom):
Girard, 1857b; 1859.
- 1-PS: Jordan and Gilbert, 1881a,c.
- 1-CS (Puyallup River):
Suckley, 1862a.
- 1-E (Skagit River): Suckley, 1862b.
- 1-S (Black River, Duwamish River):
Suckley, 1874.
- 1-AI (Port Gamble): Suckley, 1874.
- 1-AI (Port Townsend):
Suckley, 1874.
- 50+-GS (commercial: Point Roberts):
Kelly, 1946.
- 50+-SJ (commercial fishing: south of
San Juan Island): Kelly, 1946.
- 50+-JF (commercial fishing: west of
Deception Pass.): Kelly, 1946.
- 50+-E (commercial fishing: Skagit
Bay; Port Gardner): Kelly, 1946.
- 50+-AI (commercial fishing:
Admiralty Bay): Kelly, 1946.
- 50+-CP (commercial fishing: north
part of Colvos Pass.):
Kelly, 1946.
- 50+-JF (commercial fishing area:
Discovery Bay): Smoker, 1954.
- 50+-AI (commercial fishing areas:
Admiralty Inlet; Point No Point):
Smoker, 1954.
- 50+-E (commercial fishing areas:
Port Gardner; Port Susan; Skagit
River and Skagit Bay):
Smoker, 1954.
- 50+-B (commercial fishing areas:
Bellingham Bay and Nooksack
River): Smoker, 1954.
- 50+-S (commercial fishing areas:
Meadow Point): Smoker, 1954.
- 50+-CS (commercial fishing area:
Rolling Bay; Indian fishing area:
White-Puyallup River):
Smoker, 1954.
- 50+-SS (Indian fishing area:
Nisqually River): Smoker, 1954.
- 50+-HC (commercial fishing areas:
Hood Canal; Skokomish River):
Smoker, 1954.
- 50+-B (spawning grounds: Nooksack
River): Smoker, 1954.
- 50+-E (spawning grounds: Skagit
River): Smoker, 1954.
- 1-PS: Rathbun, 1900.
- 6-E (towntnet: Kiket Island to
Strawberry Point):
Stober and Salo, 1970b.
- 1-E (deep otter trawl: Skagit and
Similk Bays):
Stober and Salo, 1970b.
- 2-S (inner Elliott Bay; outer
Elliott Bay): Salo, 1969.
- 1-S (Elliott Bay): Salo, 1969.
- 1-B (north part Bellingham Bay):
Sjolseth, 1969.
- 9-S (Elliott Bay):
Miller and Stauffer, 1967.
- 2-CS (east of Bainbridge Island):
Miller and Stauffer, 1967.
- 1-CS (north of Bainbridge Island):
Miller and Stauffer, 1967.
- 1-HC: Bayliff, 1953.
- 1-E (Everett): Bayliff, 1953.
- 1-B (Bellingham Bay):
Bayliff, 1953.
- 50+-S (sport fishing areas: Ballard;
Elliott Bay): Fitzgerald, 1953.
- 50+-E (sport catch: Camano; Holmes
Harbor; Port Susan; Skagit Bay):
Fitzgerald, 1953.
- 50+-HC (sport catch: north and south
Hood Canal): Fitzgerald, 1953.
- 50+-AI (sport catch: Point No
Point): Fitzgerald, 1953.
- 50+-CS (sport catch: Possession
Point; Rolling Bay; Puyallup
estuary): Fitzgerald, 1953.
- 50+-CP (sport catch: Point
Defiance): Fitzgerald, 1953.
- 2-E (Port Gardner; Port Susan):
Johnson, 1952.
- 1-SJ (Friday Harbor): Lloyd, 1936.
- 37-B (beach seine: north part of
Bellingham Bay): Tyler, 1964.
- 42-B (towntnet: north of Eliza Island
in Bellingham Bay): Tyler, 1964.
- 50+-SS (sport fishing areas: Dougall
Point; north of Steamboat Island
and Windy Point to Cape Cod;
Cooper Point into Budd Inlet;
Johnson Point; east of Devil's
Head; Lyle Point and along
Nisqually Delta; between McNeil
and Anderson Islands; south of
Toliva Shoal; Gibson Point to Fox
Point; Wollochet Bay and
northwest; Anetta through Green
Point; off Kopachuck State Park;
Cutts to Raft Island; off Minter
Creek; north end of Henderson
Bay): Haw and Buckley, 1971.
- 50+-HC (sport fishing areas: oppo-
site Sister Point; northeast edge
of Skokomish River Delta; Ayres
Point; east side of Ahnas Bay;
Hoodsport; Liliwaup; off Dewatto
Bay; off Hamma Hamma Delta;
inside and off of Pleasant
Harbor; Misery Point; southeast
edge to southwest side of Red
Bluff; Quilcene Bay to north of
Dosewallips River; Oak Head;
Tskutsko Point to Zelatched
Point; Hazel Point):
Haw and Buckley, 1971.
- 50+-CP (sport fishing areas: Point
Evans; Point Defiance; Point
Dalco; Camp Sealh; Point Rich-
mond): Haw and Buckley, 1971.
- 50+-PO (sport fishing areas:
Bremerton; west end of Rich
Pass; University Point; Battle
Point; Agate Pass):
Haw and Buckley, 1971.

Oncorhynchus tshawytscha

Salmonidae

Published Records

- 50+-CS (sport fishing areas: Point Defiance; Point Dalco; south end of Quartermaster Harbor; Browns Point through Tacoma waterfront; Lakota through Poverty Bay; Allen Bank; Orchard Point to Manchester; Skiff Point; Point Monroe; Agate Pass; large area off Jefferson Point; large area south of Possession Point to Scatchet Head): Haw and Buckley, 1971.
- 50+-S (sport fishing areas: Harbor Island end of Elliott Bay; West Point to Golden Gardens; the trees; Point Wells; Edmonds): Haw and Buckley, 1971.
- 50+-E (sport fishing areas: Glendale to Columbia Beach; Mukilteo through Everett; north, south, and west of Gedney Island; off Mission Bar; Sandy Point; Pebble Beach and Coxes Spit; East Point to Hackney Island; Dines Point; south of Kayak Point; Onamac Point; Rocky Point and south; north of Snatelum Point; east of Forbes Point; Polnell Point; large area north of Rocky Point; west of Deception Pass bridge near Whidbey Island shore; east and west sides of Hope Island): Haw and Buckley, 1971.
- 50+-AI (sport fishing areas: Point No Point to Hansville; Skunk Bay; north of Foulweather Bluff; south of Double Bluff; Oak Bay; south of Bush Point; Liplip Point; north of Bush Point; Marrowstone Point; large area from Point Wilson through Port Townsend; Admiralty Head): Haw and Buckley, 1971.
- 50+-JF (sport fishing areas: Admiralty Head; Middle Point; Cape George; east edge of Dallas Bank; Diamond Point; Gardiner; Carr Point to Port Discovery or Mill Point; Adelma Beach and south; west side of Partridge Bank; Sequim Bay between Travis Spit and Hardwick Point; Dungeness Bay; outside Dungeness Spit; large area off Green Point; inside and outside of Ediz Hook; West Beach): Haw and Buckley, 1971.
- 50+-B (sport fishing areas: Langley Point to Sares Head; off Reef Point; Guemes Channel and March Point to Hat Island; Tide Point to Strawberry Bay; Jack Island; William Point; northwest of Sinclair Island; Lummi Rocks and north; Hale Pass): Haw and Buckley, 1971.
- 50+-SJ (sport fishing areas: Iceberg Point; Lopez Pass; shoreline of East Sound; Point Lawrence; shoreline of Orcas Island from Point Lawrence to south of Point Doughty; south shore of Skipjack Island; Mosquito Pass; Spieden Channel): Haw and Buckley, 1971.
- 50+-GS (sport fishing area: Point Roberts): Haw and Buckley, 1971.
- 50+-HC (Indian fishing: Skokomish River): Wash. State Dep. Fish., Annual Report, 1969.
- 50+-SS (Indian fishing: Nisqually River): Wash. State Dep. Fish., Annual Report, 1969.
- 50+-CS (Indian fishing: Puyallup River): Wash. State Dep. Fish., Annual Report, 1969.
- 50+-SS (spawning grounds: Deschutes River; Nisqually River): Atkinson, Rose, and Duncan, 1967.
- 50+-CS (spawning grounds: Puyallup River): Atkinson et al., 1967.
- 50+-S (spawning grounds: Green River; Cedar River; Issaquah Creek): Atkinson et al., 1967.
- 50+-HC (spawning grounds: Skokomish River; Hamma Hamma River; Duckabush River; Dosewallips River; Quilcene River; creek at head of Quilcene Bay): Atkinson et al., 1967.
- 50+-E (spawning grounds: Snohomish River system; Stillaguamish River; Skagit River): Atkinson et al., 1967.
- 50+-JF (spawning grounds: Dungeness River): Atkinson et al., 1967.
- 50+-B (spawning grounds: Samish River; Nooksack River): Atkinson et al., 1967.
- 2-E (sport fishing; north of Gedney Island): Fishing and Hunting News, July 29, 1972.
- 1-HC (fyke net: Big Beef Harbor): Anderson and Chew, 1972.

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Museum Collection

- 1-SJ (Davis Bay): 609.
 1-S (Golden Gardens): 774.
 1-SJ (Squaw Bay): 2171.
 1-CS (Fauntleroy Beach): 4197.
 2-S (beach seine: Alki):
 5229; 5231.
 1-E (Saratoga Pass.): 5389.
 1-PS: 5602.
 1-SS (probably beach seine on mainland, Stretch Island): 6121.
 1-S (Edmonds): 6147.
 1-S (Ballard Locks): 6321.
 1-SS (beach seine: 1 mile north of Minter Creek):
 7563 (also boat 5126E).

Oncorhynchus tshawytscha

Salmonidae

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1-AI (Point No Point): 8062.
 1-CP (Point Defiance): 14990.
 1-S (beach seine: Carkeek Park):
 14993.
 1-S (off Ballard): 14999.
 1-S (Golden Gardens):
 15799 (also boat 5710c).
 1-CS (Possession Point): 15893.
 1-S (Harbor Island, near Todds):
 5237.

Friday Harbor Laboratory Log

1-SJ (Salmon Banks): 8/8/50-1.
 1-SJ (East Sound): 8/11/52.
 1-SJ (mid East Sound): 6/5/64.

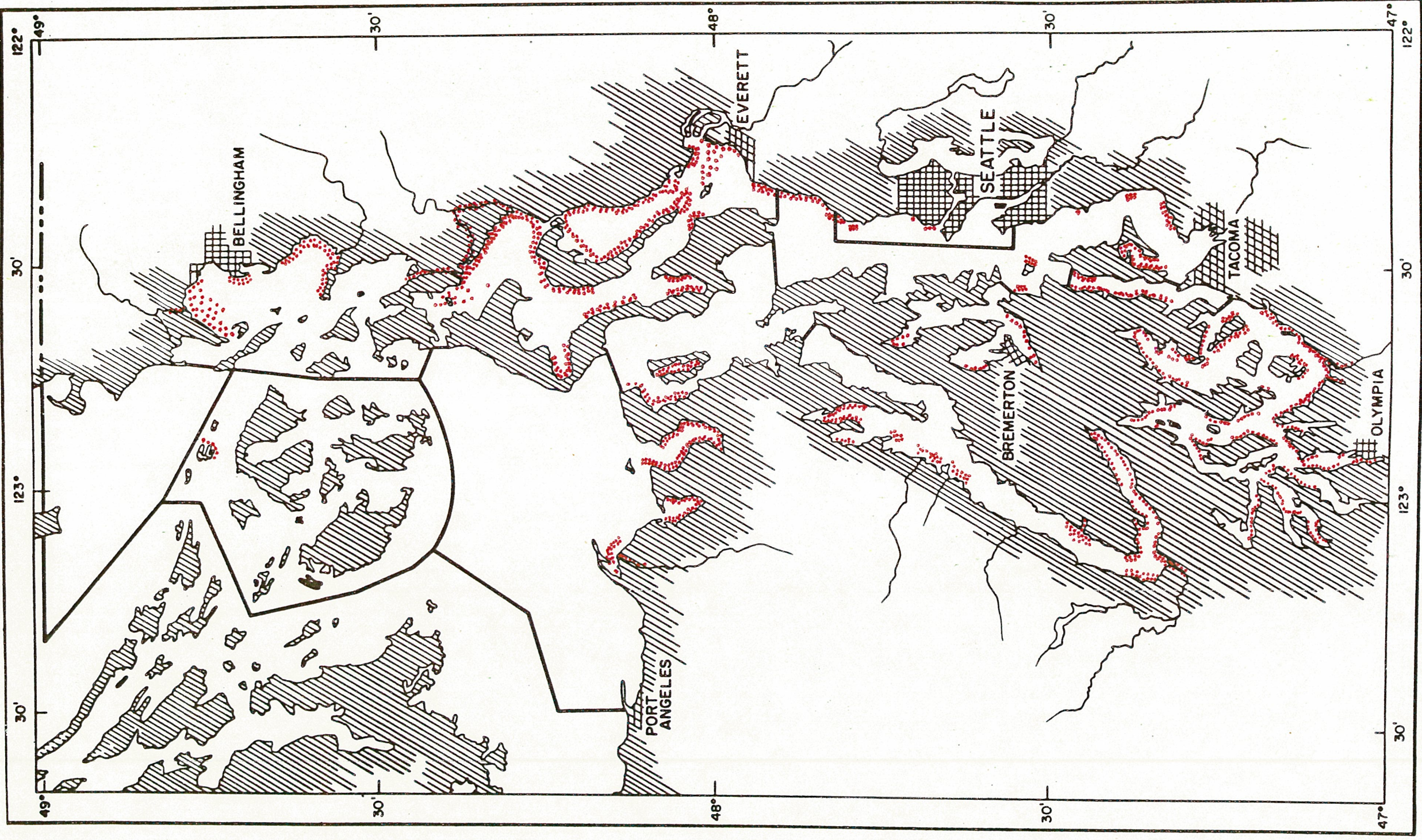
University of Washington Boat Log

6-S (beach seine: Golden Gardens):
 5010D; 5116G2; 5415P; 5914A,B;
 5920L.
 4-S (beach seine: Golden Gardens):
 3-6417; 6509.
 1-S (Golden Gardens): 6511D.
 1-SS (Nisqually Beach, off Treble
 Point): 5201D.
 1-SS (Nisqually Reach): 5204F.
 1-PO (off Fletcher Bay): 6201.
 1-CS (Murden Cove): 6710B.
 1-SS (Carr Inlet, mid Glen Cove to
 Green Point): 6724B.
 3-B (training cruise area: southwest
 of Post Point):
 6603G; 7307G; 6914G.
 1-HC (Dabob Bay): 7205N.
 1-PO (Port Orchard): 6916D.
 1-B (training cruise area: southwest
 of Post Point): 7017G.

Miscellaneous Logs

50+-JF (West Beach):
 WSDF, Sport Fish., 1965-70.
 50+-E (Skagit and Similk Bays):
 WSDF, Sport Fish., 1965-70.
 50+-E (Everett):
 WSDF, Sport Fish., 1965-70.
 50+-AI (off Bush Point):
 WSDF, Sport Fish., 1965-70.
 50+-S (Elliott Bay):
 WSDF, Sport Fish., 1965-70.
 50+-SS: WSDF, Sport Fish., 1965-70.
 50+-SJ: WSDF, Sport Fish., 1970.
 50+-HC: WSDF, Sport Fish., 1970.
 4-CS (herring trawl: Skiff Point to
 Point Jefferson):
 U.W. Ocean., 1968-69.
 2-PO (herring trawl: south of
 Fletcher Bay):
 U.W. Ocean., 1968-69.
 3-B (Bellingham Bay): Bill High,
 personal communication, 12/9/63.

5+-SJ (sport catch: Sucia Island):
 Allyn Johnson, personal
 communication, 1972.
 1-SS (Carr Inlet): NMFS, Cobb-68.
 1-PO (Narrows, south of Fletcher
 Bay): NMFS, Cobb-68.
 2-SS (Carr Inlet): NMFS, Cobb-75.
 1-SS (entrance to Eld Inlet):
 Van Cleve, trap, 1961-65.
 2-JF (beach seine: Dungeness embay-
 ment): Peninsula College, 1971.
 1-JF (Sequim Bay):
 Battelle, 1967-69.
 1-CS (south of Possession Point):
 NMFS, Cobb, 2/28/73.
 50+-CP (juveniles on side opposite
 the town of Gig Harbor):
 Ray Johnson, personal
 communication, 4/24/72.
 2-S (Duwamish River estuary between
 1st and 16th Ave. S. bridges):
 NIH, 72010.
 1-CS (beach seine: Seahurst Park):
 NIH, 72013.
 2-JF (beach seine: West Beach):
 NIH, 72017.
 1-S (beach seine: Golden Gardens):
 Sea Grant, 72023.
 1-S (beach seine: north side of West
 Point): Sea Grant, 1973.
 1-CS (in Appletree Cove): Sport
 Catch, Doug Olander, 1972-73.



Salmo clarki

Salmonidae

Published Records

- 1-PS: Suckley, 1874.
 1-AI (Port Townsend): Bean, 1884.
 1-SS (Fort Steilacoom):
 Girard, 1857^b; 1859.
 1-PS: Gunther, 1866.
 1-PS:
 Jordan and Gilbert, 1881^c; 1882.
 1-PS: Jordan and Jay, 1882.
 1-PS: Schultz, 1935.
 1-PS: Jordan and Starks, 1896.
 1-PS: Fowler, 1912.
 1-PS: Jordan, 1884.
 1-CS: Jordan, 1885; 1887.
 5-E (townet: between Kiket Island
 and Strawberry Point):
 Stober and Salo, 1970^b.
 6-B (Bellingham Bay, north of
 Eliza): Tyler, 1964.
 1-CS (beach seine: Dumas Bay):
 1971^b.
 1-CS (beach seine: Seahurst County
 Park): Miller 1971^a (also boat
 7113; and NIH, 71101).
 1-E (sport catch: north of Gedney
 Island): Fishing and Hunting
 News, 7/29/72.
 1-E (sport catch: Camano Island):
 Fishing and Hunting News,
 7/22/72.
 50+-B (sport fishing areas: mouth of
 Nooksack River; Post Point to
 Chuckanut Bay; shoreline from
 Wildcat Cove to William Point;
 west slough of Swinomish
 Channel): Wash. Marine Atlas,
 Vol. 1, 1972.
 50+-JF (sport fishing areas:
 shorelines of Port Discovery and
 Sequim Bay; mouth and delta of
 Dungeness River):
 Wash. Marine Atlas, Vol. 1, 1972.
 50+-E (sport fishing areas:
 shorelines of Fir and Ika
 Islands; Swinomish Channel;
 shoreline from Skagit River to
 Onamac Point; shoreline of Penn
 Cove; Race Lagoon to North Bluff;
 Dines Point to Freeland; mid part
 of east shore of Holmes Harbor;
 Sandy Point; Mukilteo and south;
 entire shoreline of Port Susan;
 mouth of Stillaguamish River;
 Mission Beach to Priest Point):
 Wash. Marine Atlas, Vol. 1, 1972.
 50+-AI (sport fishing areas:
 shoreline of Port Townsend from
 Point Hudson to Irondale;
 shoreline of Kilisut Harbor):
 Wash. Marine Atlas, Vol. 1, 1972.
 50+-HC (sport fishing areas: east
 and west shorelines of north end
 of Dabob Bay; off Quilcene River
 mouth; Wawa Point; Dosewallips
 Flats to Pleasant Harbor; Quatsap
 Point to McDaniel Cove north and
 south of and in Dewatto Bay; west
 shore of Annas Bay and north;
 Skokomish River mouth through
 Union; Musqueti Point through
 Tahuya River mouth; Sister Point;
 south shoreline of the Great Bend
 and both shorelines of Lynch
 Cove):
 Wash. Marine Atlas, Vol. 2, 1972.
 50+-CS (sport fishing areas: Mead-
 owdale and north; north Edmonds;
 Manchester; southeast shore of
 Blake Island; Point Beals to
 Point Heyer; shoreline of Quar-
 termaster Harbor; off Des Moines;
 Lakota through Dumas Bay):
 Wash. Marine Atlas, Vol. 2, 1972.
 50+-CP (sport fishing areas: Point
 Peter through Sunset Beach):
 Wash. Marine Atlas, Vol. 2, 1972.
 50+-SS (sport fishing areas: north-
 west along shoreline from Fox
 Point; off southwest shore of Fox
 Island; off Green Point; Cutts
 Island; shoreline from south of
 Glen Cove through both shores of
 Henderson Bay; Steilacoom shore-
 line; shoreline from Cormorant
 Pass. through Nisqually and
 McAllister estuaries; shoreline
 from Nisqually Head to Henderson
 Inlet; south shoreline of
 Anderson Island; off Whiteman
 Cove; east and south of Herron
 Island; Victor to Rocky Bay to
 north of Dutcher Bay; Jarrell
 Cove around Dougall Point and
 south; McMicken Island to Brisco
 Point; west shore of entrance to
 Henderson Inlet; Dickenson Point
 to Dofflemeyer Point; off east
 shore of entrance to Budd Inlet;
 off Priest Point; head of Budd
 Inlet; north half of west shore
 of Budd Inlet; entrance to Eld
 Inlet to Flapjack Point; Hunter
 Point to Hope Island; along west
 shore of Totten Inlet from Steam-
 boat Island; both shores of
 Oyster Bay; south shore of
 Hammersley Inlet from Shelton to
 past Skookum Point):
 Wash. Marine Atlas, Vol. 2, 1972.
 50+-S (sport fishing areas: Edmonds;
 off south of Edwards Point):
 Wash. Marine Atlas, Vol. 2, 1972.
 50+-E (sport fishing areas: shores
 of Port Susan and Skagit Bay
 especially between Tulalip Bay
 and Kayak Point and the north
 shore of Camano Island; Mukilteo
 and south; south fork of the
 Skagit; Bald, Ika, Goat, and Hope
 Islands; the Swinomish Channel):
 Haw and Buckley, 1971.

Salmo clarki

Salmonidae

Published Records

- 50+-HC (sport fishing areas: upper Dabob Bay; lower Hood Canal near the mouths of the larger creeks): Haw and Buckley, 1971.
- 50+-CS (sport fishing areas: points and creek mouths between Edmonds and Mukilteo): Haw and Buckley, 1971.
- 50+-S (sport fishing areas: Edmonds): Haw and Buckley, 1971.
- 50+-CP (sport fishing areas: west side of the pass): Haw and Buckley, 1971.
- 50+-SS (sport fishing areas: north side of Hale Pass; Horsehead Bay; west shore of the Long Branch Peninsula; southeast shore of Hartstene Island; and other inlets): Haw and Buckley, 1971.

University of Washington
Museum Collection

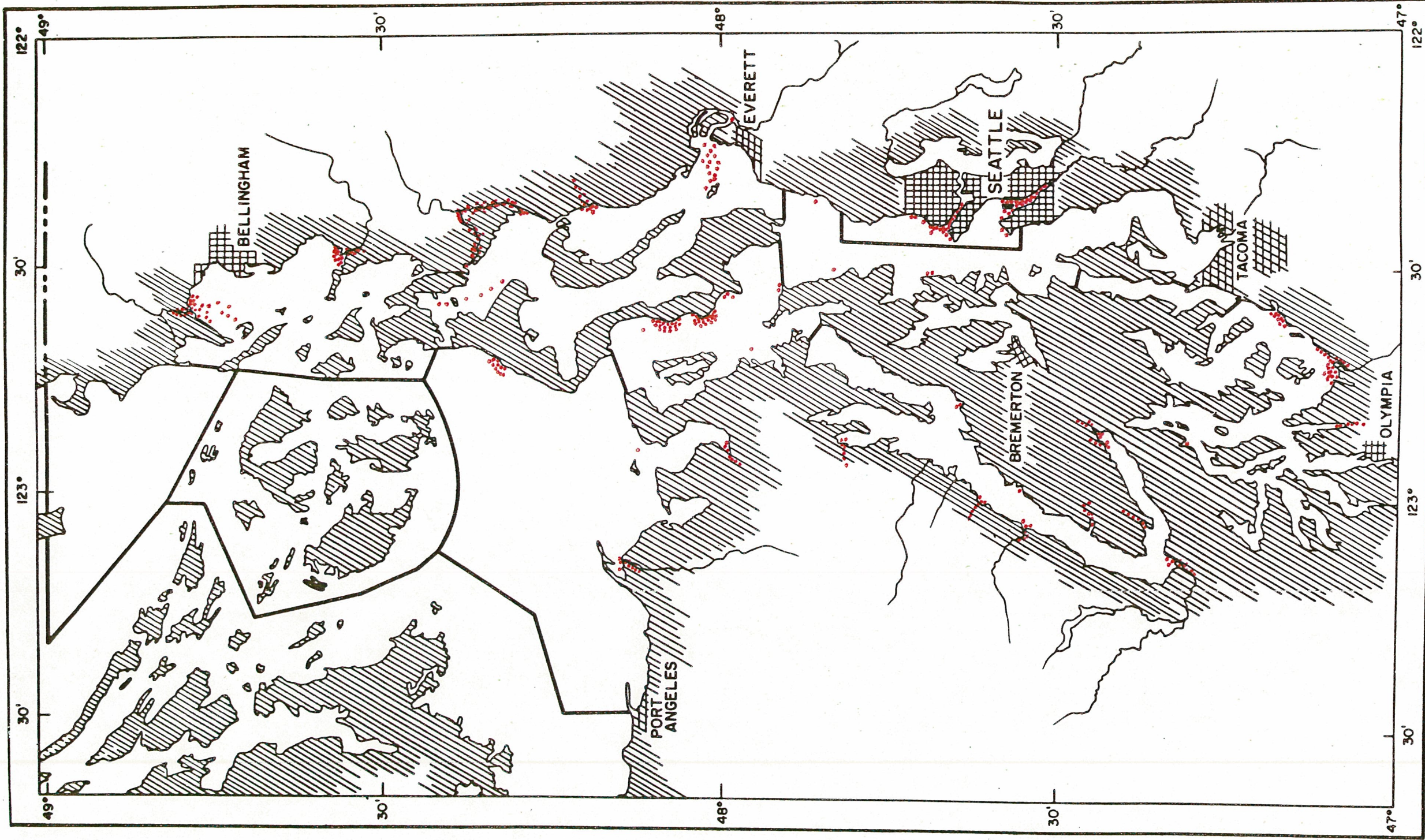
- 1-JF (above Snow Creek bridge at Discovery Bay): 17541.

University of Washington Boat Log

- 3-S (beach seine: Golden Gardens): 5215A; 5610G; 5920J.
- 1-S (beach seine: Carkeek Park): 5808A.

Miscellaneous Logs

- 10+-E (Gedney Island to Everett): R. Tyler, personal communication, 6/3/63.
- 10+-E (sport fish.: Holmes Harbor): Frank Haw, personal communication, 6/4/63.
- 10+-PO (sport fish.: Frank Haw, personal communication, 6/4/63.
- 8-B (Bellingham Bay, north of Eliza Island): R. Tyler, 1964.
- 19-B (Bellingham Bay, north of Eliza Island): FRI, R. Tyler, data sheets, 1965.
- 1-E (Skagit or Similk Bay): WSDF, Sport Fish., 1965-70.
- 7-E (Everett): WSDF, Sport Fish., 1965-70.
- 2-SS: WSDF, Spcrt Fish., 1965-70.
- 2-HC: WSDF, Spcrt Fish., 1965-70.
- 5+-SJ (Sucia Island): Allyn Johnson, personal communication, 1972.
- 1-JF (Dungeness embayment): Peninsula College, 1971.
- 1-JF (Sequim Bay): Battelle, 1967-69.
- 1+-SS (sport catch: Reach Island bridge): Steve Borton, personal communication, 8/6/73.
- 1-CS (beach seine: Meadowdale at Lunds Gulch): Sea Grant, 73002.



Salmo gairdneri

Salmonidae

Published Records

- 1-PS:
Jordan and Gilbert, 1881c; 1882.
- 1-PS: Jordan and Starks, 1896.
- 1-PS: Evermann and Meek, 1898.
- 1-PS: Kincaid, 1919.
- 1-PS: Cobb, 1930.
- 1-PS: Schultz and Hanson, 1935.
- 1-HC (Holly):
Schultz and DeLacy, 1935-36.
- 1-SS (Fort Steilacoom):
Suckley, 1874.
- 1-PS: Starks, 1911.
- 50+-B (sport fishing areas: Nooksack River mouth; Samish River mouth):
Wash. Marine Atlas, Vol. 1, 1972.
- 50+-JF (sport fishing areas: Dungeness River mouth; head of Port Discovery; area south of West Beach):
Wash. Marine Atlas, Vol. 1, 1972.
- 50+-E (sport fishing areas: north and south forks of Skagit River mouth; mouth of Stillaguamish River):
Wash. Marine Atlas, Vol. 1, 1972.
- 50+-AI (sport fishing areas: Bush Point; Lagoon Point):
Wash. Marine Atlas, Vol. 1, 1972.
- 50+-HC (sport fishing areas: mouths of the Quilcene River, Hamma Hamma River, Skokomish River, Tahuya River, and Union River; creek near Belfair State Park; creek at Dewatto Bay; and creek at Triton Cove):
Wash. Marine Atlas, Vol. 2, 1972.
- 50+-S (sport fishing areas: Lake Washington ship canal from Ballard to Lake Union; Duwamish River estuary):
Wash. Marine Atlas, Vol. 2, 1972.
- 50+-SS (sport fishing areas: Steilacoom shoreline; off Nisqually Flats; head of Henderson Inlet):
Wash. Marine Atlas, Vol. 2, 1972.
- 6-E (towntnet: Kiket Island to Strawberry Point):
Stober and Salo, 1970b.
- 4-B (beach seine: Bellingham Bay north of Eliza Island):
Tyler, 1964.
- 5-B (towntnet: Bellingham Bay north of Eliza Island): Tyler, 1964.
- 50+-AI (sport fishing areas: beach at Bush Point and Lagoon Point):
Haw and Buckley, 1971.
- 1-JF (purse seine test fishery: between Protection Island and Middle Point): Wash. State Dep. Fish., Annual Report, 1969.
- 3-AI (purse seine test fishery: Bush Point to Admiralty Bay: Oak Bay to Hood Head; north side of Point No Point): Wash. State Dep. Fish., Annual Report, 1969.

- 1-CS (purse seine test fishery: Pilot Point to President Point):
Wash. State Dep. Fish., Annual Report, 1969.
- 2-HC (fyke net: in Big Beef Harbor):
Anderson and Chew, 1972.

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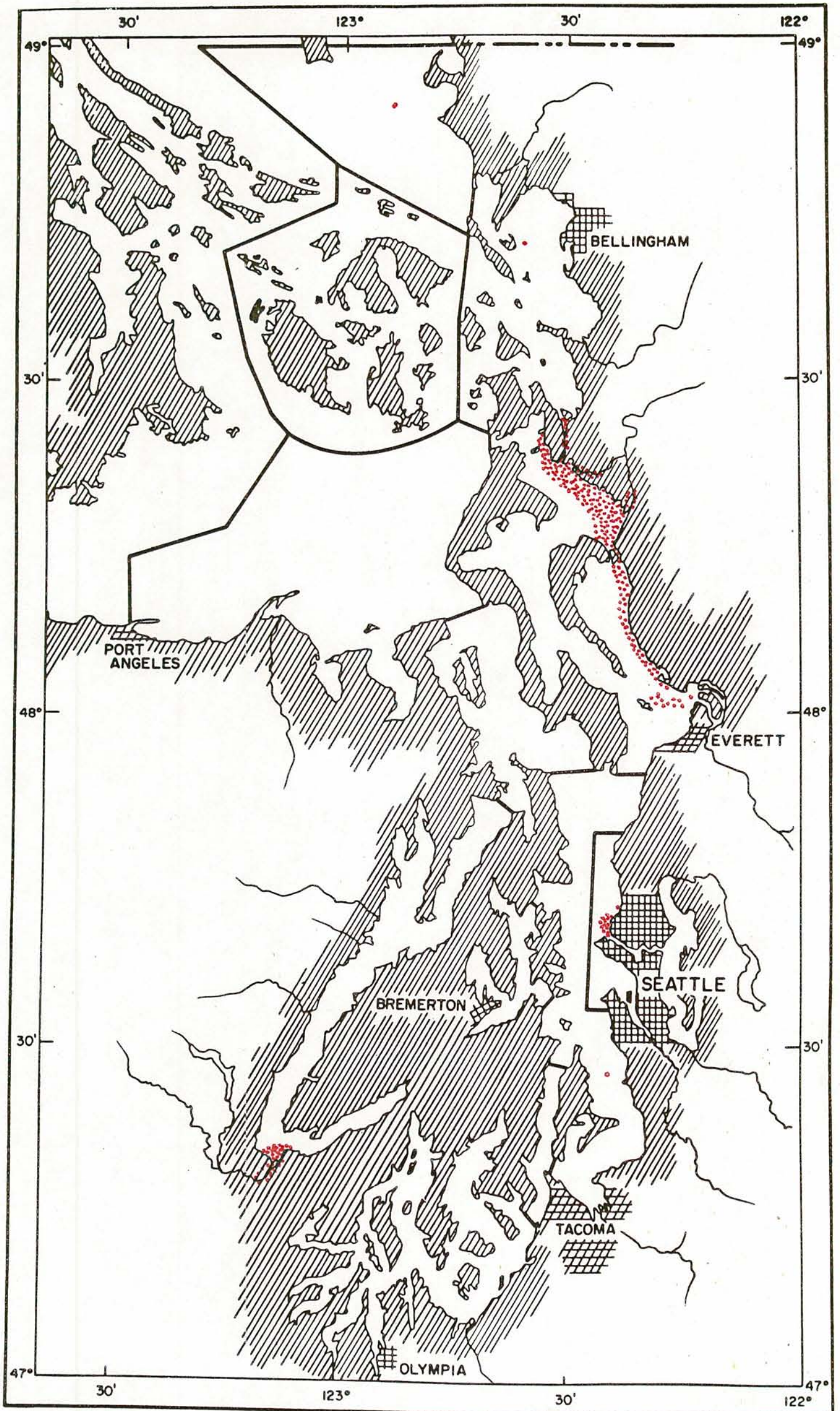
- 1-AI (Point No Point): 8107.
- 1-E (Snohomish-Skykomish River; Haskel Slough): 15060.
- 1-CS (Norma Beach): 15894.

University of Washington Boat Log

- 5-S (beach seine: Golden Gardens):
5424A; 5610H,K; 6310; 6511C.
- 2-S (beach seine: Carkeek Park):
5311A; 5313C.
- 2-CS (beach seine: south of Fay Bainbridge State Park): 5806A,B.
- 1-S (beach seine: Alki Point to Duwamish Head): 6619.

Miscellaneous Logs

- 10+-E (area east of Gedney Island):
R. Tyler, personal communication, 6/3/63.
- 1-S (Golden Gardens to Carkeek):
NIH, 1968-71.
- 1-S (beach seine: north side of West Point): Sea Grant, 1973.
- 1-SS (bridge at McLane Cove):
Larry Moulton, personal communication, 3/14/73.
- 50+-S (Indian fishing: 1st Ave. S. bridge of the Duwamish estuary):
Steve Borton, personal communication, 3/74.
- 1+-AI (Mutiny Bay): local resident, personal communication, 6/12/72.



Salvelinus malma

Salmonidae

Published Records

- 1-CS: Jordan, 1887.
 1-PS: Suckley, 1874.
 1-PS:
 Jordan and Gilbert, 1881c; 1882.
 1-PS: Jordan and Jouy, 1882.
 1-PS: Jordan and Starks, 1896.
 1-PS: Jordan, 1884.
 1-E (Skagit Flats): Lord, 1866.
 1-PS: Kinciad, 1919.
 1-B (townet: Bellingham Bay north of
 Eliza Island): Tyler, 1964.
 50+-E (sport fishing areas:
 shoreline north of Tulalip;
 Skagit Bay; lower estuaries of
 the Skagit River around Bald,
 Ika, and Goat Islands; Swinomish
 Channel beaches near Hope
 Island): Haw and Buckley, 1971.
 10+-HC (sport fishing area:
 Skokomish River estuary):
 Haw and Buckley, 1971.
 1-E (Camano Island):
 Sport Catch; Fishing and Hunting
 News, 7/22/72.

University of Washington
Museum Collection

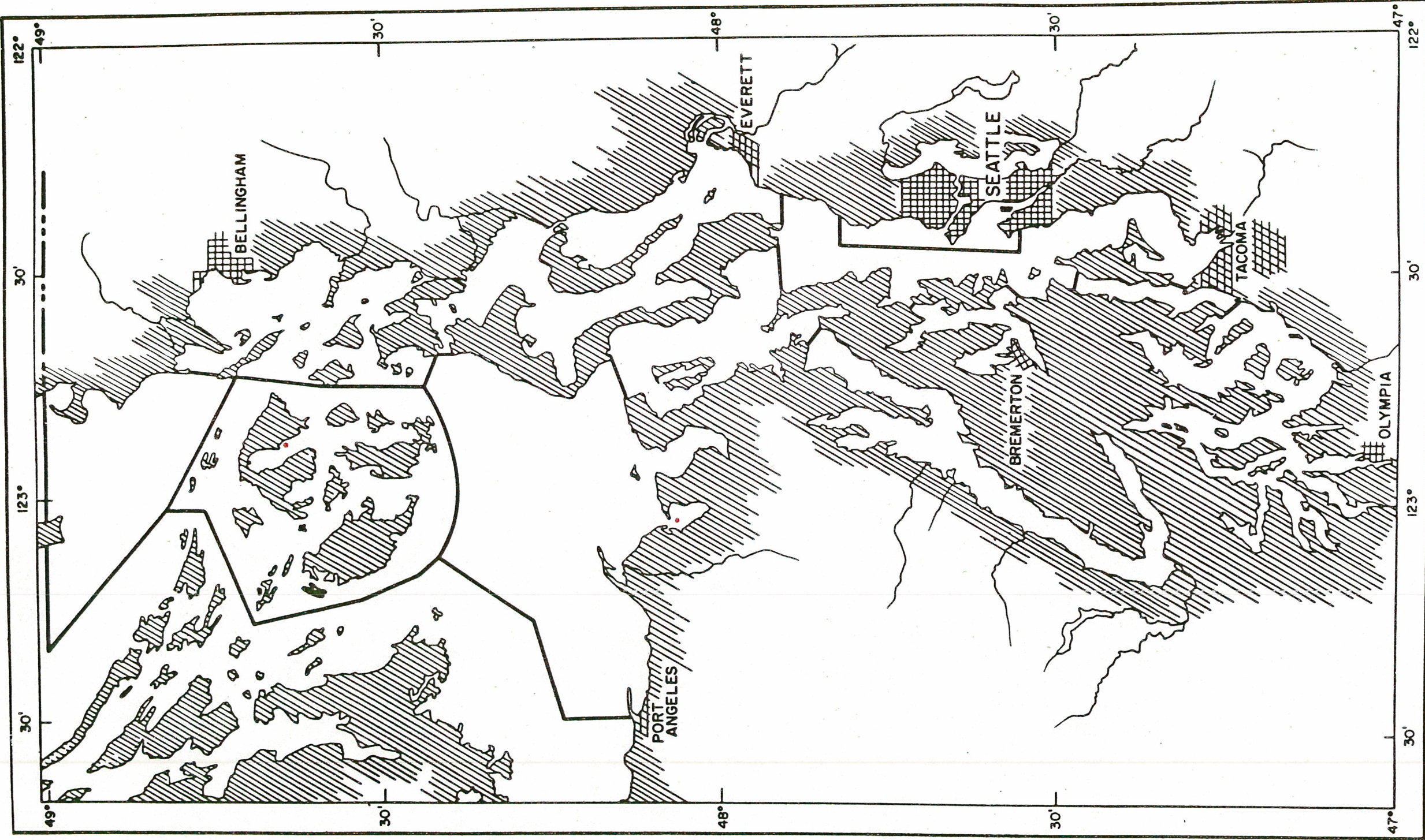
- 1-S (Seattle): 710.
 1-S (Golden Gardens): 5652.

University of Washington Boat Log

- 16-S (beach seine: Golden Gardens):
 5415B; 5610F,I,J; 5710C; 5920N;
 6014; 6309B,I,J,K,L; 6310M,P,R;
 6511A.
 1-S (beach seine: Carkeek Park):
 5808A.

Miscellaneous Logs

- 10+-E (area east of Gedney Island):
 R. Tyler, personal communication,
 6/3/63.
 10+-JF (sport fishing area):
 Frank Haw, personal
 communication, 6/4/63.



Allosmerus elongatus

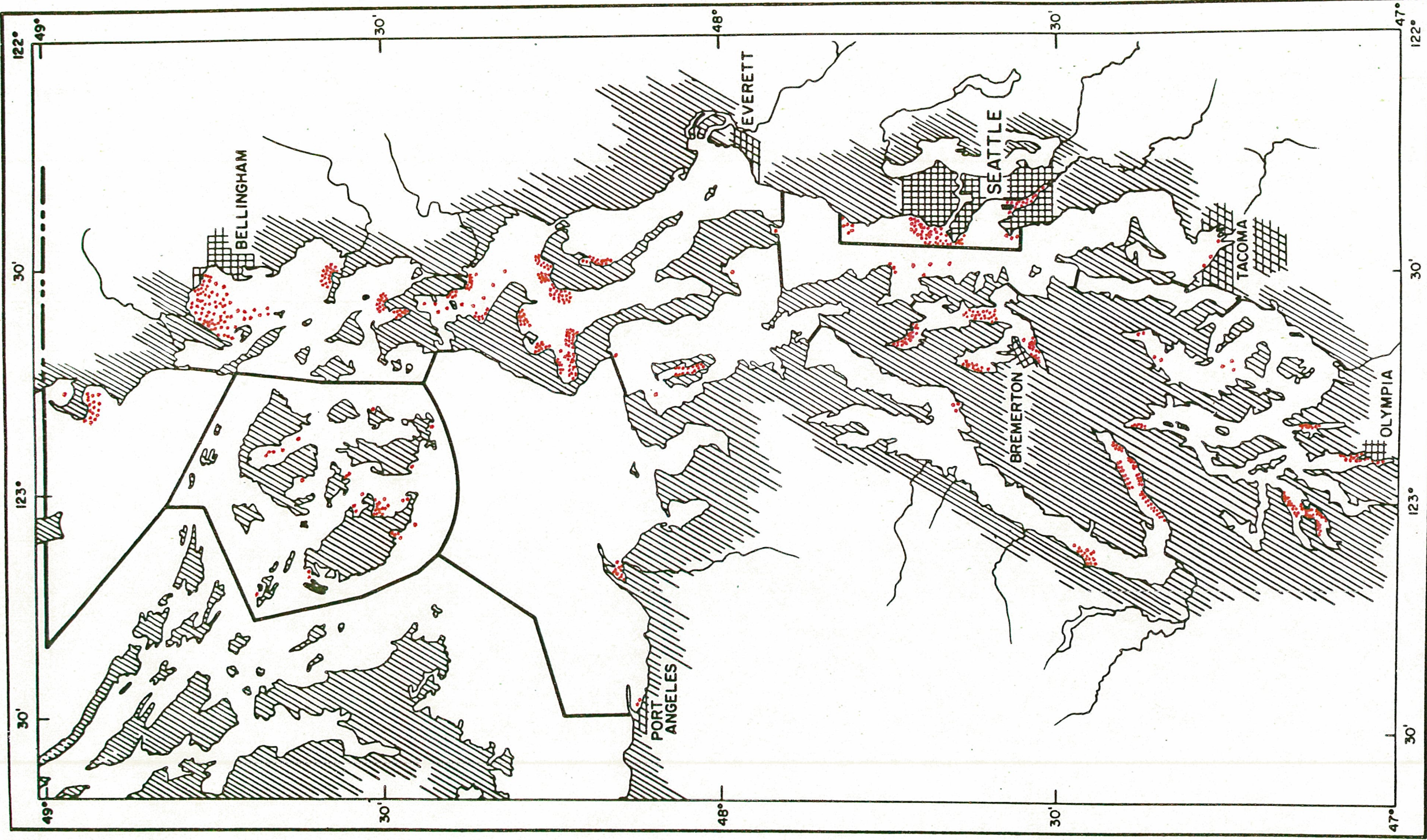
Osmeridae

Published Records

- 1-JF (Sequim Bay):
Smith, 1936 (also Museum 3930).
1-SJ: Shelford, 1935.

University of Washington
Museum Collection

- 1-SJ (East Sound): 19459 (also
Friday Harbor Log, 7/26/60-D).



Hypomesus pretiosus

Osmeridae

Published Records

- 1-AI (Port Townsend): Bean, 1884.
 1-PS: Jordan, 1887.
 1-JF (beach seine: Port Angeles): Gilbert, 1895.
 1-SJ: Starks, 1911.
 50+-E (spawning grounds: Penn Cove; Utsalady): Kelly, 1946.
 2-AI (Kilisut Harbor; Admiralty Head): Evermann and Goldsborough 1907.
 1-SJ: Shelford, 1935.
 6-E (towntnet: Kiket Island to Strawberry Point): Stober and Salo, 1970b.
 2-E (otter trawl: Skagit and Similk Bays): Stober and Salo, 1970b.
 1-E (beach seine: Kiket Island): Stober and Salo, 1970a.
 4-HC (spawning ground: near Hoodspout): Leong, 1967.
 3-E (spawning ground: Utsalady): Leong, 1967.
 50+-B (spawning grounds: Samish Island; Bellingham): Yap-Chiongco, 1941.
 50+-E (spawning grounds: Goat Island; Douglas Bay; Crescent Harbor; Oak Harbor; Penn Cove; Utsalady; Triangle Bay): Yap-Chiongco, 1941.
 50+-AI (spawning ground: Kilisut Harbor): Yap-Chiongco, 1941.
 50+-PO (spawning grounds: Dyes Inlet; Port Orchard City): Yap-Chiongco, 1941.
 50+-HC (spawning grounds: south of tip of Hood Canal; Happy Hollow): Yap-Chiongco, 1941.
 50+-SS (spawning grounds: Kamilche; Olympia): Yap-Chiongco, 1941.
 50+-HC (spawning ground: Lilliwaup): Kilambi, 1965.
 50+-E (spawning ground: Utsalady): Kilambi, 1965.
 3-CS (beach seine: south side of Point Jefferson): Kendall, 1966.
 3-HC (fyke net: in Big Beef Harbor): Anderson and Chew, 1972.
 31-B (beach seine; Bellingham Bay north of Eliza Island): Tyler, 1964.
 21-B (towntnet: Bellingham Bay north of Eliza Island): Tyler, 1964.
 50+-GS (spawning ground: north shore of Birch Bay): Wash. Marine Atlas, Vol. 1, 1972.
 50+-B (spawning grounds: shore near west Bellingham City limits; part of south shore of Samish Bay; March Point; part of both sides of Fidalgo Bay): Wash. Marine Atlas, Vol. 1, 1972.
 50+-JF (spawning ground: south shore of Dungeness embayment): Wash. Marine Atlas, Vol. 1, 1972.
 50+-E (spawning grounds: Hunot Point; part of north shore of Crescent Harbor; part of west shore of Oak Harbor; Juan de Fuca; Lovejoy Point to Long Point; Rodena Beach; west of Coupeville; shorelines between Goat Island and Fidalgo Island; Madrona Beach to Rocky Point; Maple Grove Beach to Utsalady Point; Utsalady; part of shoreline south of Triangle Cove): Wash. Marine Atlas, Vol. 1, 1972.
 50+-AI (spawning grounds: part of Kilisut Harbor south of Mystery Bay): Wash. Marine Atlas, Vol. 1, 1972.
 50+-HC (spawning grounds: Lilliwaup Bay; most of south shore from the Great Bend to Lynch Cove and most of the north opposite shore): Wash. Marine Atlas, Vol. 1, 1972.
 50+-PO (spawning grounds: east shore of Liberty Bay; Silverdale shoreline; head of Sinclair Inlet): Wash. Marine Atlas, Vol. 1, 1972.
 50+-SS (spawning grounds: part of east shore of Henderson Inlet; west shore of Totten Inlet from Windy Point to Oyster Bay and part of opposite shore; Allyn shoreline): Wash. Marine Atlas, Vol. 1, 1972.
 50+-E (spawning grounds: Utsalady Beach; Cavalero's Beach; Penn Cove; Oak Harbor; Goat Island; Dugula Bay): Schaefer, 1936.
 50+-B (spawning grounds: Bellingham; Anacortes; Samish Island): Schaefer, 1936.
 50+-AI (spawning grounds: Kilisut Harbor): Schaefer, 1936.
 50+-HC (spawning grounds: north and south shores): Schaefer, 1936.
 50+-JF (spawning grounds: Dungeness): Schaefer, 1936.
 50+-SS (spawning grounds: Kamilche on Totten Inlet; Henderson Inlet; Case Inlet): Schaefer, 1936.
 50+-PO (spawning grounds: Dye Inlet; Sinclair Inlet; Liberty Bay): Schaefer, 1936.
 PS: Kilambi et al. 1965; Kilambi, 1967 (duplicated by other records).

University of Washington
Museum Collection

- 1-S (West Seattle): 181.
 1-SS (Olympia): 431.
 2-SJ (Squaw Bay): 558; 2348.
 1-SJ (Davis Bay): 604.
 2-SJ (East Sound): 697; 744.
 3-SJ (False Bay): 1124; 1171; 2984.

Hypomesus pretiosus

Osmeridae

University of Washington
Museum Collection

2-S (Alki Point): 1917; 4894.
 1-SJ: 2347.
 1-PS: 2893.
 1-SJ (Roche Harbor): 2989.
 6-S (Edmonds Beach): 4479; 4912;
 5443; 5477; 5498; 14989.
 1-SS (Kamilche Point on Totten
 Inlet): 5081.
 6-E (Utsalady Beach): 5100; 5101;
 5102; 5103; 5104; 14970.
 2-SS (Purdy): 5106; 8383.
 1-HC (Happy Hollow): 5108.
 1-B (Anacortes, March Point): 5109.
 1-B (Samish Island): 5110.
 1-PS (Whidbey Island): 5111.
 1-CS (mouth of Puyallup River):
 6107.
 2-S (Golden Gardens):
 5770 (also boat 5001); 17128.
 1-AI (Useless Bay): 6331.
 1-PO (Bremerton): 8380.
 1-PO (Port Orchard): 8381.
 1-CS (Tacoma): 11764.
 1-CS (Tacoma smelter): 4667.
 1-E (Penn Cove): 8384.
 1-SS (beach seine: 1 mile north of
 Minter Creek):
 14455 (also boat 5126E).
 1-PO (Chico): 17849.
 1-S (Seattle): 712.
 1-GS (Blaine, Semiahmoo Bay): 815.
 1-GS (Birch Bay): 5107.
 1-S (Carkeek Park): 5565.
 2-S (beach seine: Carkeek Park):
 14986; 14987.
 1-CS (beach seine: Cultus Bay):
 14988.
 1-E (Steamboat Slough; Snohomish
 River): 1623.
 1-E (Coupeville): 17829.

Friday Harbor Laboratory Log

1-SJ (Jackles Lagoon, Cattle Point):
 6/29/51.
 1-SJ (off Fish Creek, Cattle Point):
 6/21/52-1.
 1-SJ (Roche Harbor): 8/19/52.
 10-SJ (Argyle Bay):
 8/16/55-2; 7/5/60; 8/11/60-2,3,4;
 6/22/61; 7/8/67; 7/12/61-1;
 7/18/61-2; 7/15/63.
 1-SJ (Prevost Harbor): 7/10/50-4.
 1-SJ (Eagle Point): 7/13/50-3.
 1-SJ (West Decatur Head):
 7/24/50-1.
 2-SJ (Friday Harbor Lab):
 7/19/60; 8/4/61-2.
 2-SJ (Argyle Lagoon):
 8/11/60-1; 7/10/69-3.
 1-SJ (White Beach): 8/16/60-4.
 2-SJ (North Bay): 8/18/60-1,2.
 1-SJ (McArdle Bay): 8/22/60-3.
 1-SJ (False Bay): 6/29/61.
 1-SJ (Turn Island): 7/30/61.

1-SJ (San Juan Island): 5/62.
 1-SJ (Squaw Bay or West Sound):
 6/30/67.
 1-SJ (Argyle Lagoon): 7/9/73.

University of Washington Boat Log

3-SJ (training cruise area: East
 Sound; north of Rosario Point):
 6603H; 6614H; 7118H.
 2-E (beach seine: Good Beach; Penn
 Cove): 5316F,G.
 1-E (Penn Cove): 5420G.
 27-S (beach seine: Golden Gardens):
 5012C; 5047A,C; 5108B; 5114A;
 5116G2; 5134A; 5137A,B; 5209D;
 5329E; 5407; 5411A,B; 5508C;
 5510A; 5514C; 5804B; 5807C;
 5-6309; 6509; 6518A,B.
 2-S (beach seine: Carkeek Park):
 5313B; 5225B.
 1-SS (off Minter Creek to Elgin):
 5102M.
 1-CS (beach seine: Fay Bainbridge
 State Park): 5806A.
 1-PO (beach seine: 1 mile north of
 Illahee Dock): 6205A1.
 1-PO (probably off Fletcher Bay):
 7313X.

Miscellaneous Logs

5-B (Bellingham Bay): Bill High,
 personal communication, 12/9/63
 (Cobb pelagic trawl).
 10+-S (beach seine: Duwamish
 estuary): Metro, 1963-70.
 9-S (trawl: Duwamish estuary):
 Metro, 1966-70.
 4-PO (Narrows, just south of
 Fletcher Bay):
 U.W. Ocean., P.O., 1964-65.
 15-S (Golden Gardens):
 U.W. Ocean., Hoh, 1963-67.
 1-E (Utsalady, east of Rocky Point):
 U.W. Ocean., Hoh, 1963-67.
 1-CS (off Skiff Point):
 U.W. Ocean., Commando, 1968.
 2-CS (Skiff Point to Point
 Jefferson): U.W. Ocean., herring
 trawl, 1968-69.
 3-SS (mouth of Carr Inlet): U.W.
 Ocean., herring trawl, 1968-69.
 14-PO (south of Fletcher Bay): U.W.
 Ocean., herring trawl, 1968-69.
 4-JF (Dungeness embayment):
 Peninsula College, 1971.
 1-JF (Port Angeles embayment):
 Peninsula College, 1971.
 1-B (beach seine: Wildcat Cove
 launch ramp): Sea Grant, 72029.
 5-S (beach seine: north side of West
 Point): Sea Grant, 1973.
 4-S (beach seine: south side of West
 Point): Sea Grant, 1973.

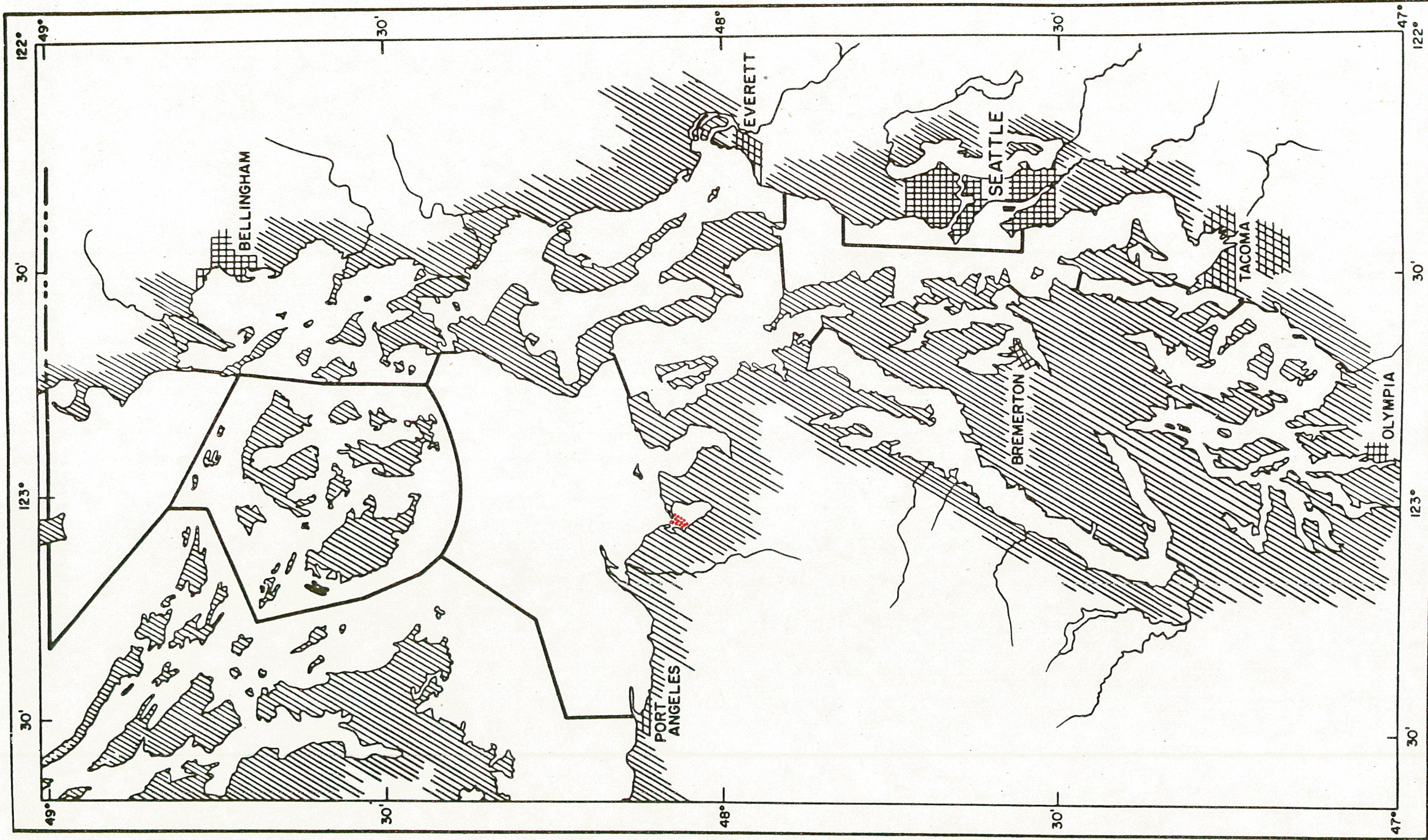
Hypomesus pretiosus

Osmeridae

Miscellaneous Logs

3-S (Golden Gardens to Carkeek
Park): NIH, 1968-71.

1-PO (off Fletcher Bay):
Van Cleve, trap, 1961-65.

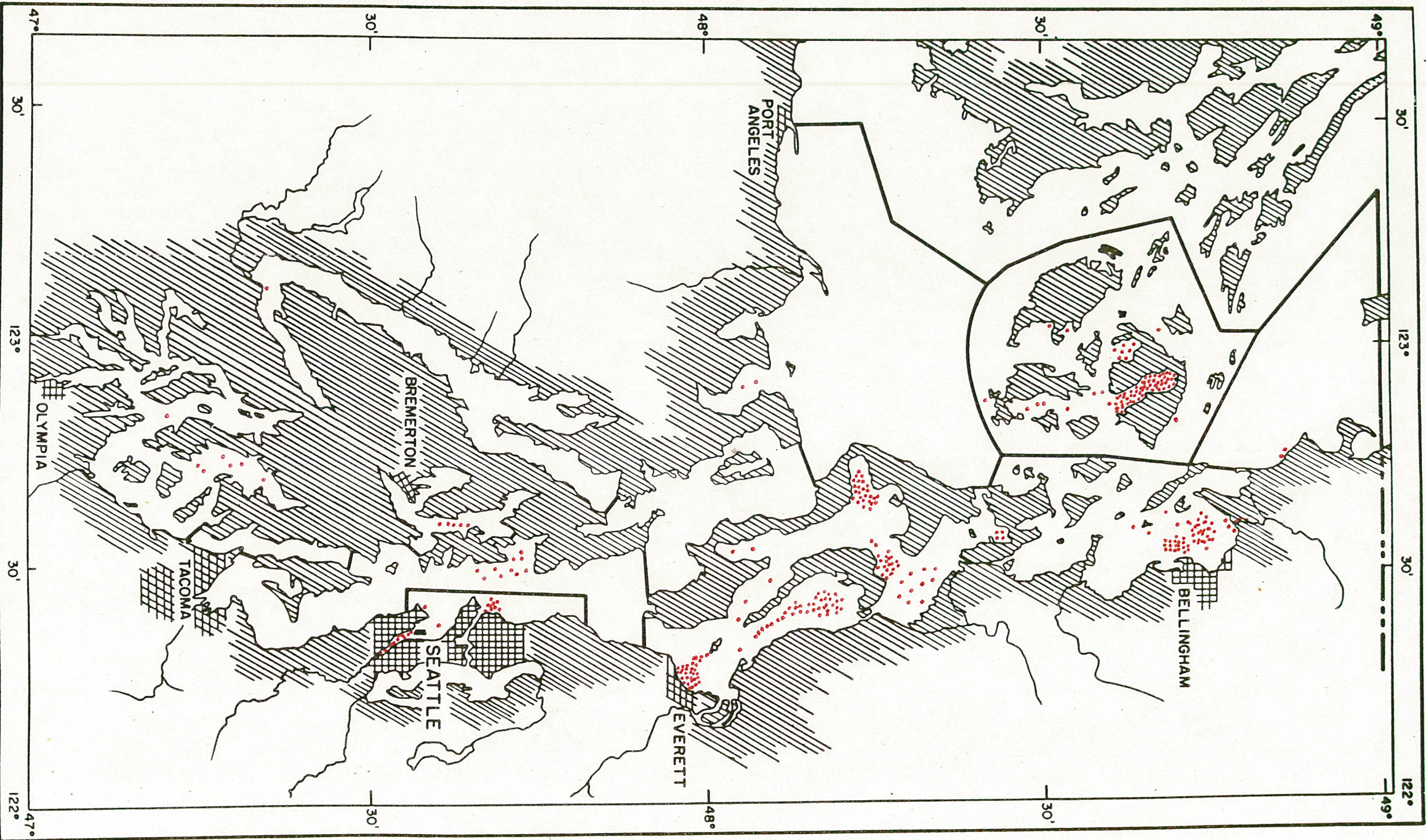


Mallotus villosus

Osmeridae

Miscellaneous Logs

50+-SJ (spawning ground: west side
of mouth of Sequim Bay):
Battelle, 1967-69.



Spirinchus thaleichthys

Osmeridae

Published Records

- 5-B (Bellingham Bay):
Smith, 1936 (also Museum 4536).
1-E (Coupeville): Smith, 1936.
1-JF (Port Discovery):
Smith, 1936 (also Museum 3870).
1-SJ: Shelford, 1935.
1-SJ (East Sound): Smith, 1937.
1-E (Saratoga Pass.):
Schultz and Chapman, 1934.
1-B (mouth of Nooksack River):
Schultz and Chapman, 1934.
4-E (Similk Bay):
Stober and Salo, 1970a.
1-E (Skagit and Similk Bays):
Stober and Salo, 1970a.
1-E (Port Gardner): Salo, 1969.
9-E (Skagit Bay): Salo, 1969.
1-SJ: MacPhee and Clemens, 1962.

University of Washington
Museum Collection

- 1-SJ (Friday Harbor): 398.
3-B (Nooksack River):
2336; 2525; 2986.
2-B (Nooksack River mouth):
2337; 2341.
1-E (1 mile west of Utsalady):
2338.
5-SJ (East Sound):
2339; 14976 (also Friday Harbor
Log, 8/11/52); 6031; 17073 (also
Friday Harbor Log, 6/20/63;
17125).
1-E (Sandy Point, Saratoga Pass.):
2670.
1-SJ (West Sound): 2340.
1-E (Port Susan): 2934.
2-E (off Everett): 3690; 4542.
1-E (Utsalady Beach): 3766.
1-JF (Discovery Bay): 3870.
1-E (Coupeville): 3909.
1-B (Bellingham Bay): 4534.
1-PO (off Fletcher Bay): 14696.
1-B (Marietta Flats, Bellingham
Bay): 14983.
1-SJ (north end of East Sound):
5757 (also boat 491M).
1-B (east of Point Frances):
5790 (also boat 491J).
1-E (off Mission Bar):
5877 (also boat 5023E).
1-E (off Warm Beach):
5885 (also boat 5023A).
1-SJ (west side of Orcas Island):
15994.
1-S (Golden Gardens): 16035.
3-SJ (East Sound, south of Rosario
Point): 19461; 19582; 19583 (all
also NIH, 1964-66).

Friday Harbor Laboratory Log

- 1-SJ (off Orcas Island opposite
Barnes Island): 6/20/50-3.

- 1-SJ (south of Orcas Island):
6/24/52-1-3.
2-SJ (Lopez Sound and East Sound):
7/1/52; 7/11/63.
5-SJ (West Sound): 7/9/52-3 (also
boat 5220I); 7/26/60-2; 6/26/61;
6/20/69-2; 7/6/71-2.
1-B (Bellingham Bay): 6/22/55.
1-B (south of Eliza Island):
8/8/55-1.
1-B (off Inati Bay): 8/8/55-2.
7-SJ (East Sound): 7/6/60-2;
7/26/60-1; 8/13/60-1; 6/20/61;
7/8/63; 6/29/71-1; 7/6/71-1.
1-SJ (East or West Sound): 7/25/55.
2-SJ (Lopez Sound):
7/28/55-1; 6/16/61.
2-SJ (lower East Sound):
8/11/55-3; 6/26/73-1.
1-SJ (West Sound and Lopez Sound):
6/27/60.
2-SJ (Upright Head to Olga):
8/1/60-2; 7/10/61-2.
1-SJ: 5/62.
1-SJ (south of Lopez Island):
6/27/63-A.
6-SJ (mid East Sound):
1/17/64; 2/21/64; 4/3/64;
6/5/64; 7/11/64; 6/20/69-1.

University of Washington Boat Log

- 14-SJ (training cruise area: East
Sound, north of Rosario Point):
6603H; 6614H; 6620H; 6717H;
6722H; 6815H; 6819H; 6908H;
7118H; 7307H; 7010H; 7017H;
7110H; 7313H.
1-SJ (training cruise area: Lopez
Sound, southwest of Center
Island): 7307I.
18-B (training cruise area:
southwest of Post Point):
6512G; 6603G; 6614G; 6620G;
6630G; 6717G; 6722G; 6815G;
6819G; 6822G; 6826G; 6908G;
7118G; 7307G; 6914G; 7017G;
7017G.1; 7110G.
1-E (off Warm Beach): 5023B.
3-E (Penn Cove mouth, off Long Point
to off Snatelum Point):
5213A; 5220E; 7213E.
2-E (off Coupeville to off Lovejoy
Point): 5213B,C.
2-E (off Oak Harbor to off Blower
Bluff): 5220F,N.
1-E (south of Classic in Holmes
Harbor): 5312L.
1-E (Penn Cove): 5418G.
1-E (off Kayak Point): 6702B.
1-E: 5712B.
1-S (beach seine: Golden Gardens):
6411.
1-SS (off Minter Creek): 5126F.
1-SS (mid Carr Inlet, Glenn Cove to
Green Point): 6724B.

Spirinchus thaleichthys

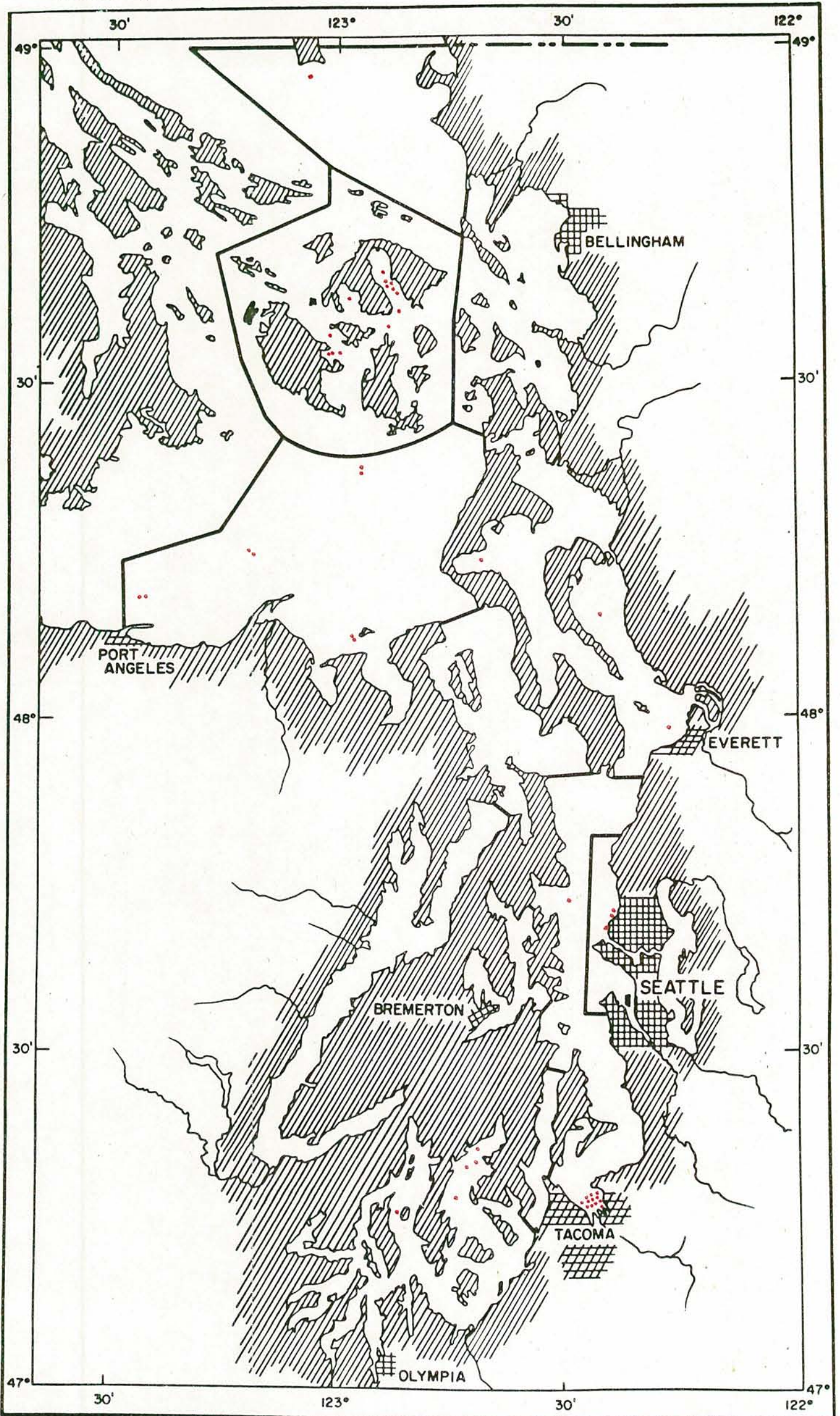
Osmeridae

University of Washington Boat Log

- 1-B (Bellingham Bay): 7017G2.
 1-E (training cruise area: north of Langley): 7017D.
 3-E (Port Susan north of Kayak Point to Tulalip): 7112.
 1-B (training cruise area: southwest of Post Point): 7313G.

Miscellaneous Logs

- 5-S (Duwamish River estuary): Metro, 1966-70.
 1-S (off Duwamish Head to Alki Point): U.W. Ocean., 1964-67.
 32-E (Port Gardner Bay): U.W. Ocean., P.G., 1962-67.
 3-PO (Narrows, just south of Fletcher Bay): U.W. Ocean., P.O., 1964-65.
 7-S (Golden Gardens): U.W. Ocean., Hoh, 1963-67.
 1-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
 2-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
 1-SS (Case Inlet, off Taylor Bay to off Whiteman Cove): U.W. Ocean., Hoh, 1963-67.
 2-CS (Port Madison): U.W. Ocean., Hoh, 1963-67.
 24-E (Port Susan): U.W. Ocean., Hoh, 1963-67.
 5-E (Penn Cove): U.W. Ocean., Hoh, 1963-67.
 12-E (northeast of Rocky Point): U.W. Ocean., Hoh, 1963-67.
 2-E (Saratoga Pass., off Demock Point): U.W. Ocean., Hoh, 1963-67.
 3-E (Port Gardner Bay): U.W. Ocean., Hoh, 1963-67.
 1-E (Holmes Harbor): U.W. Ocean., Hoh, 1963-67.
 1-S (Elliott Bay): U.W. Ocean., herring trawl, 1968-69.
 2-SS (mouth of Carr Inlet): U.W. Ocean., herring trawl, 1968-69.
 1-E (Port Susan): U.W. Ocean., herring trawl, 1968-69.
 3-B (Bellingham Bay): U.W. Ocean., Hoh, S.J., 1966.
 8-E (Penn Cove): U.W. Ocean., Hoh, S.J., 1966.
 4-E (Utsalady): U.W. Ocean., Hoh, S.J., 1966.
 2-E (Port Susan): U.W. Ocean., Hoh, S.J., 1966.
 17-SJ (south of Rosario Point in East Sound): NIH, 1964-66.
 1-SJ (East Sound): NIH, 1968-71.
 1-SJ (Argyle Spit): NIH, 1968-71.
 5-B (north part of Bellingham Bay): NIH, 1968-71.
 1-CS (Port Madison): Van Cleve, trap, 1961-65.
 2-S (Duwamish River estuary, 16th Ave. S. bridge to 1st Ave. S.): NIH, 72010; 72024.
 3-B (north part Bellingham Bay, off Nooksack River): Sea Grant, 72035.
 4-S (Duwamish estuary, between 1st and 16th Ave. S. bridges): Sea Grant, 1973.
 2-S (Duwamish estuary, upstream from 16th Ave. S. bridge): Sea Grant, 1973.
 1-S (Duwamish estuary, downstream from 16th Ave. S. bridge): Sea Grant, 1973.
 5-B (off Nooksack River Delta): Sea Grant, 73032.
 1-HC (otter trawl, shallow, off Union): Sea Grant, 1973.
 1-SJ (East Sound): A.C. DeLacy, personal communication, 6/20/69.
 7-CS (Skiff Point to Point Jefferson): U.W. Ocean., herring trawl, 1968-69.
 1-SJ (West Sound): U.W. Ocean., Hoh, S.J., 1966.
 2-SJ (East Sound): U.W. Ocean., Hoh, S.J., 1966.
 1-B (Eliza Island): NMFS, Cobb-68.
 2-GS (south of Cherry Point): Sea Grant, 72009.
 2-B (northern Bellingham Bay): Sea Grant, 72004.



Thaleichthys pacificus

Osmeridae

Published Records

1-PS: Girard, 1859.
 1-PS: Jordan and Gilbert, 1881c.
 1-PS: Suckley, 1860.
 1-PS: Jordan, 1887.
 1-PS: Swan, 1881.
 1-PS: Lord, 1886.
 1-PS: Kincaid, 1919.
 1-SJ: Shelford, 1935.

2-JF (west of Protection Island):
 NMFS, Cobb, 2/28/73.
 10+-CS (spawn in Wapato Creek, 1
 mile upstream from the mouth of
 the Puyallup River): Biologist
 with the Puyallup Tribe, personal
 communication, 4/22/76.

University of Washington
Museum Collection

1-SJ (East Sound): 2342.
 1-E (Port Susan): 2936.
 1-E (off Everett): 3689.
 2-S (Carkeek Park): 6063; 8364.
 1-GS (6 miles south of Point
 Roberts): 5637.
 1-SS (Carr Inlet, between Horsehead
 Bay and Home): 19148.

Friday Harbor Laboratory Log

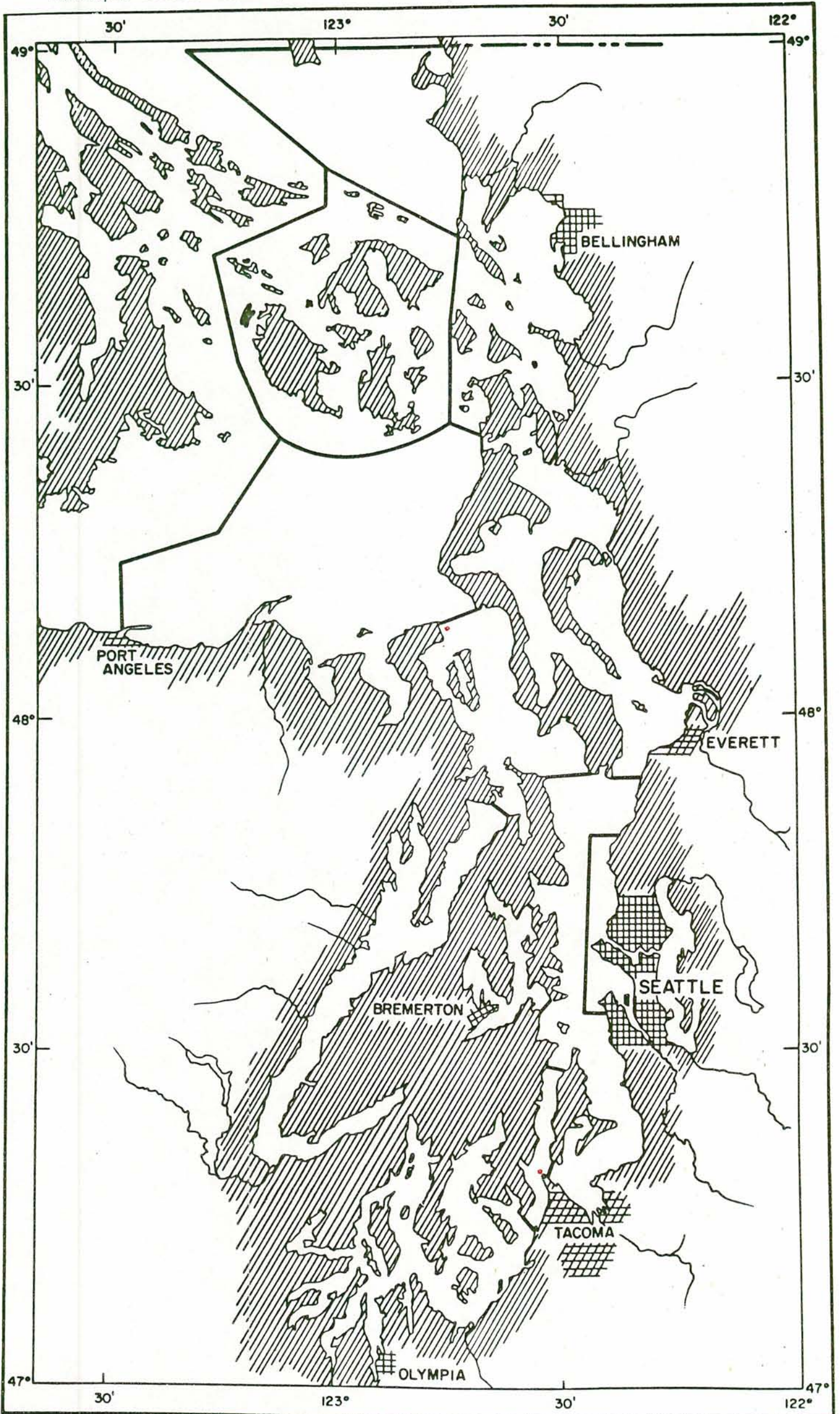
1-SJ (West Sound): 6/23/51.
 1-SJ (south part of East Sound):
 6/20/50-2 (also boat 5033I).
 1-SJ (Upright Head): 8/2/52.
 1-SJ (East Sound): 8/11/52.
 1-SJ (Upright Head to Olga):
 8/1/60-2.
 1-JF or SJ (Cattle Point to Smith
 Island, Straits): 6/28/61-1.
 2-JF (west of McArthur Bank):
 7/19/63-1; 7/8/69-1.
 2-SJ (Friday Harbor Lab, night
 light): 7/29/69; 7/31/69.
 1-SJ (San Juan Channel): 7/15/69-4.
 1-SJ (off Friday Harbor): 8/22/69.

University of Washington Boat Log

1-S (beach seine: Golden Gardens):
 5328A.
 1-SJ (training cruise area: north of
 Rosario Point): 6614H.
 1-SJ (East Sound): 5033M.
 1-CS (off Port Madison): 5043C.
 1-SS (Herron Island): 5126H.
 1-SS (Elgin to Minter Creek to Raft
 Island): 5135A.
 1-SS (Minter Creek to Raft Island):
 5213F.
 1-E (Penn Cove): 5405K.
 1-SS (Carr Inlet, off Glenn Cove to
 Raft Island): 5613D.

Miscellaneous Logs

2-JF (mid-channel, northwest and
 north of Dungeness Spit):
 NMFS, Cobb-25.
 1-SJ (East Sound, south of Rosario
 Point): NIH, 1964-66.
 2-JF (mid-channel, north of Ediz
 Hook): NMFS, Cobb-25.



Notolepis rissoi rissoi

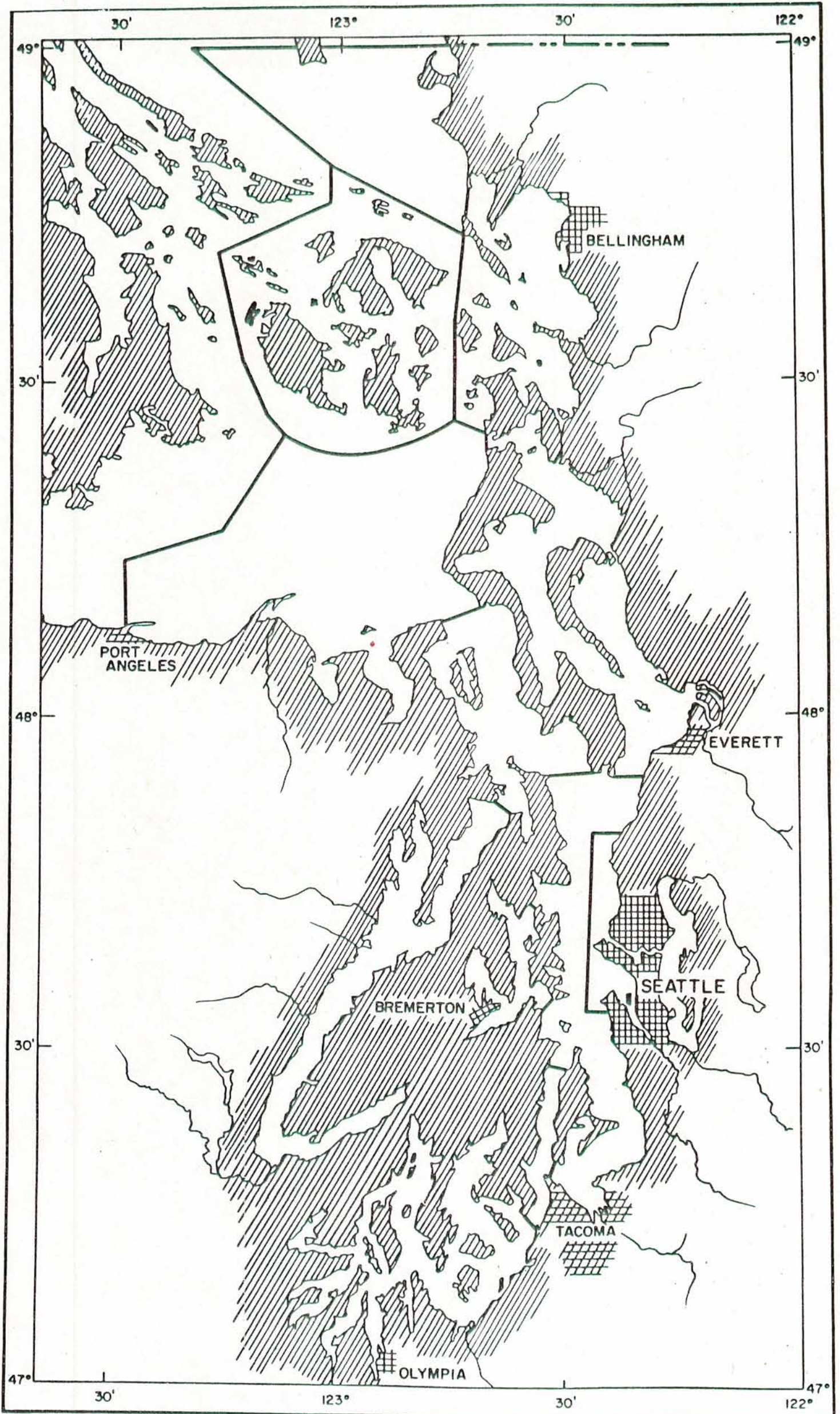
Paralepidae

Published Records

- 1-AI (Port Townsend):
Jordan and Starks, 1896; Jordan
and Gilbert, 1882, 1881c.
1-PS: Kincaid, 1919.

University of Washington
Museum Collection

- 1-CP (Point Defiance): 4752.

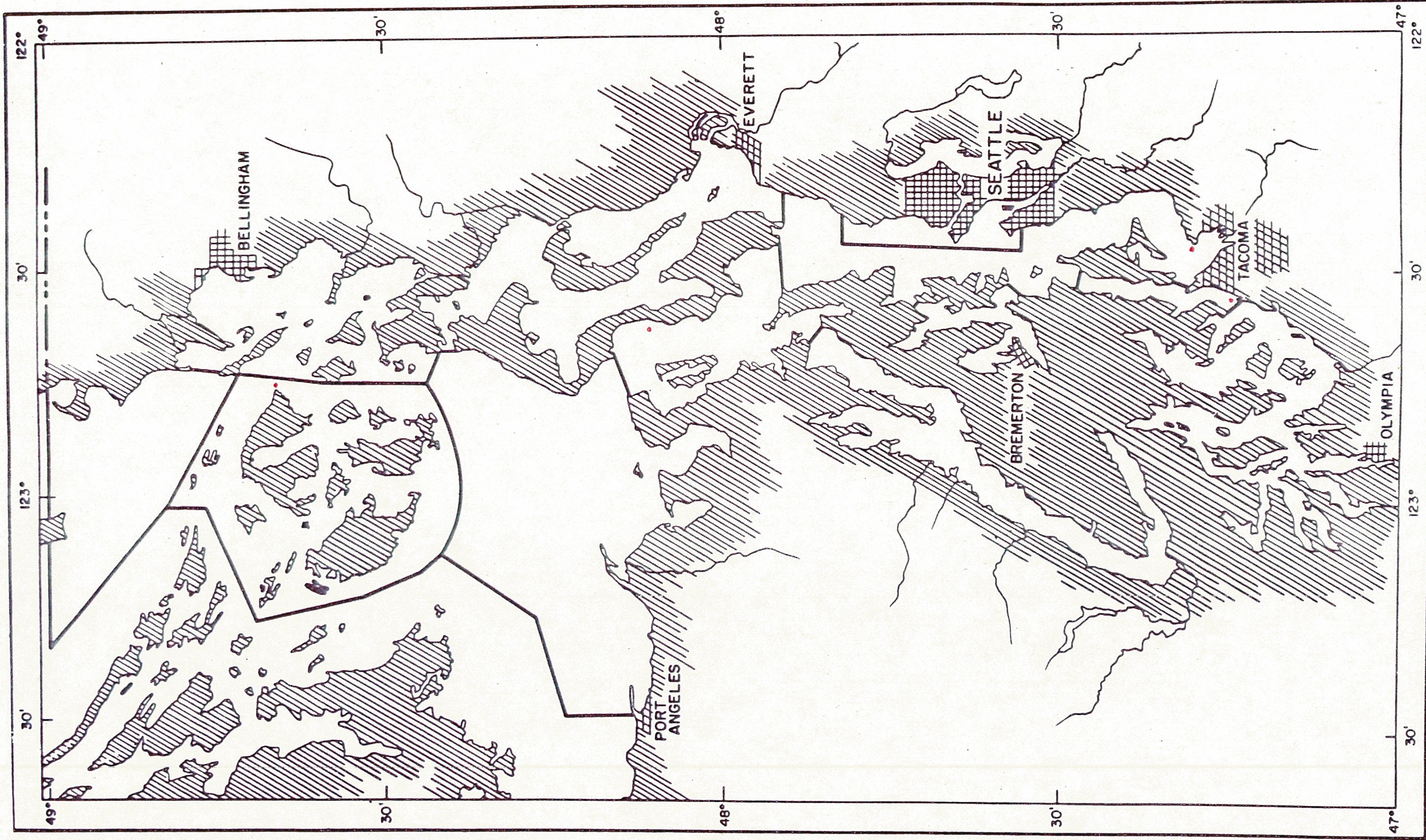


Synodus lucioceps

Synodontidae

Miscellaneous Logs

1-JF (mouth of Discovery Bay):
Tom Beard, hook-and-line, 1975.



Alepisaurus ferox

Alepisauridae

Published Records

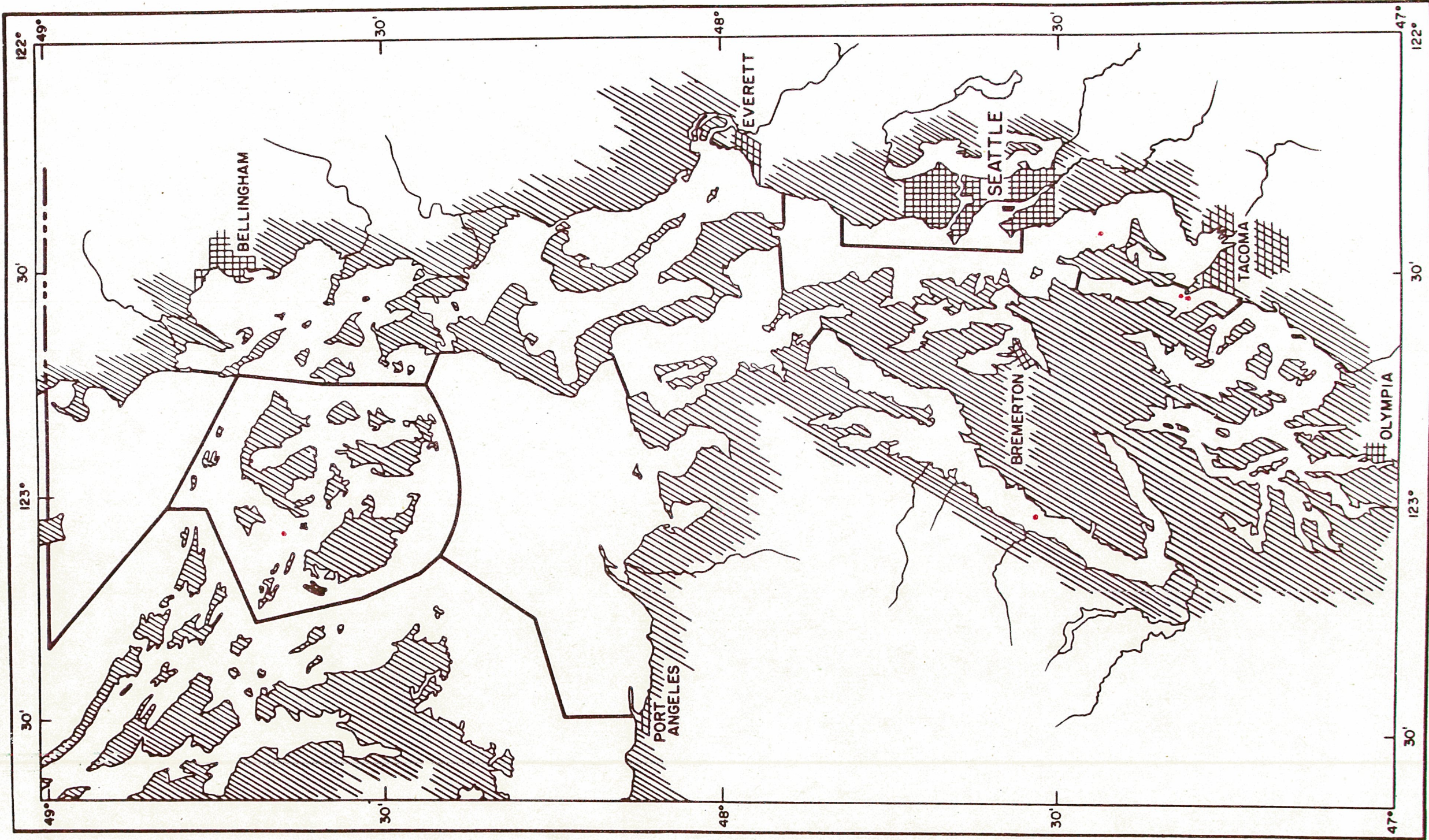
- 1-PS: Gill, 1863a.
1-PS: Gunther, 1864.
1-PS:
 Jordan and Gilbert, 1881c; 1882.
1-PS: Jordan and Starks, 1896.
1-PS: Kincaid, 1919.
1-SJ (off Point Lawrence): 1953.

University of Washington
Museum Collection

- 1-CS (Browns Point): 10746.
1-AI (Admiralty Bay, off Greenbank):
15901.

Miscellaneous Logs

- 1-CP (south end of Narrows, near Day
Island): John Slipp, personal
communication, 6/5/74.



Diaphus theta

Myctophidae

Published Records

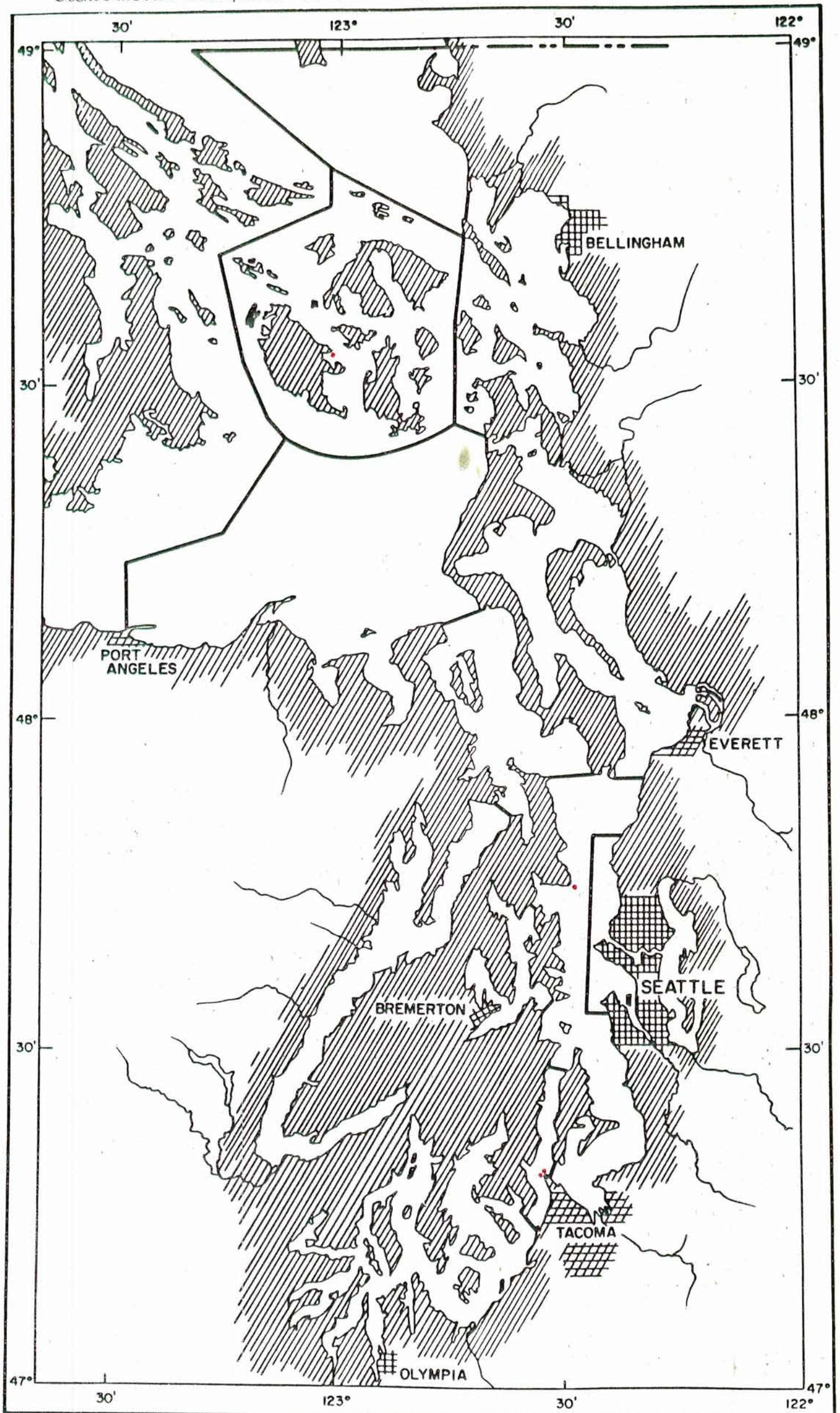
1-CP (near Point Defiance):
Shimada, 1948.

University of Washington
Museum Collection

1-CP (Tacoma, Narrows near Point
Defiance): 16124.
1-CS (east of Vashon Island):
19242.
1-HC (off Chinom Point): 19181.

Friday Harbor Laboratory Log

1-SJ (off Flattop Island): 8/24/68.



Stenobrachius leucopsarus

Myctophidae

Published Records

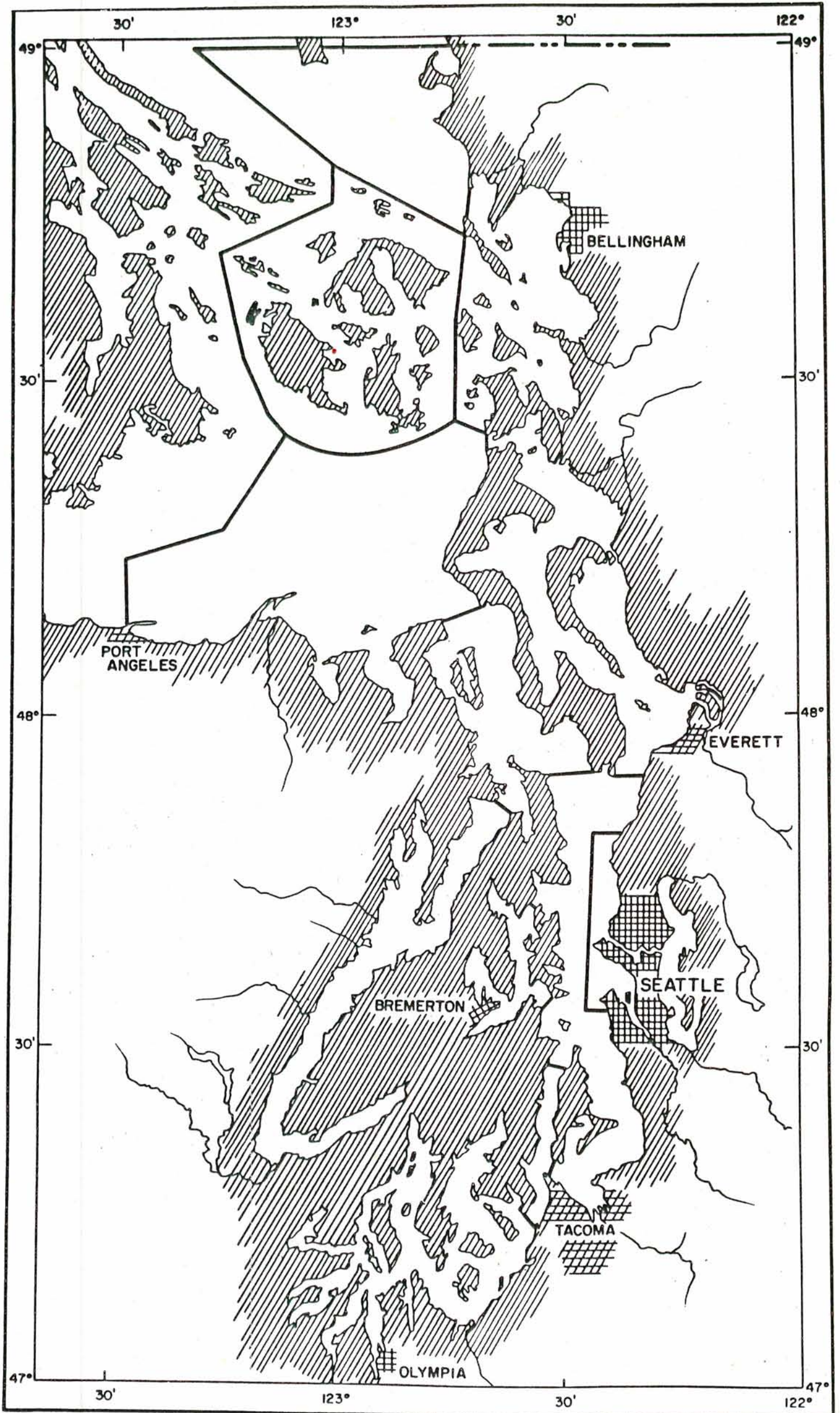
1-CP (near Point Defiance):
Shimada, 1948.

University of Washington
Museum Collection

1-CP (at surface: Point Defiance):
12873.
1-CS (off Jefferson Head): 12874.

Miscellaneous Logs

1-SJ (night light: Friday Harbor Lab
Dock): Larry Moulton, personal
communication, 5/22/74.



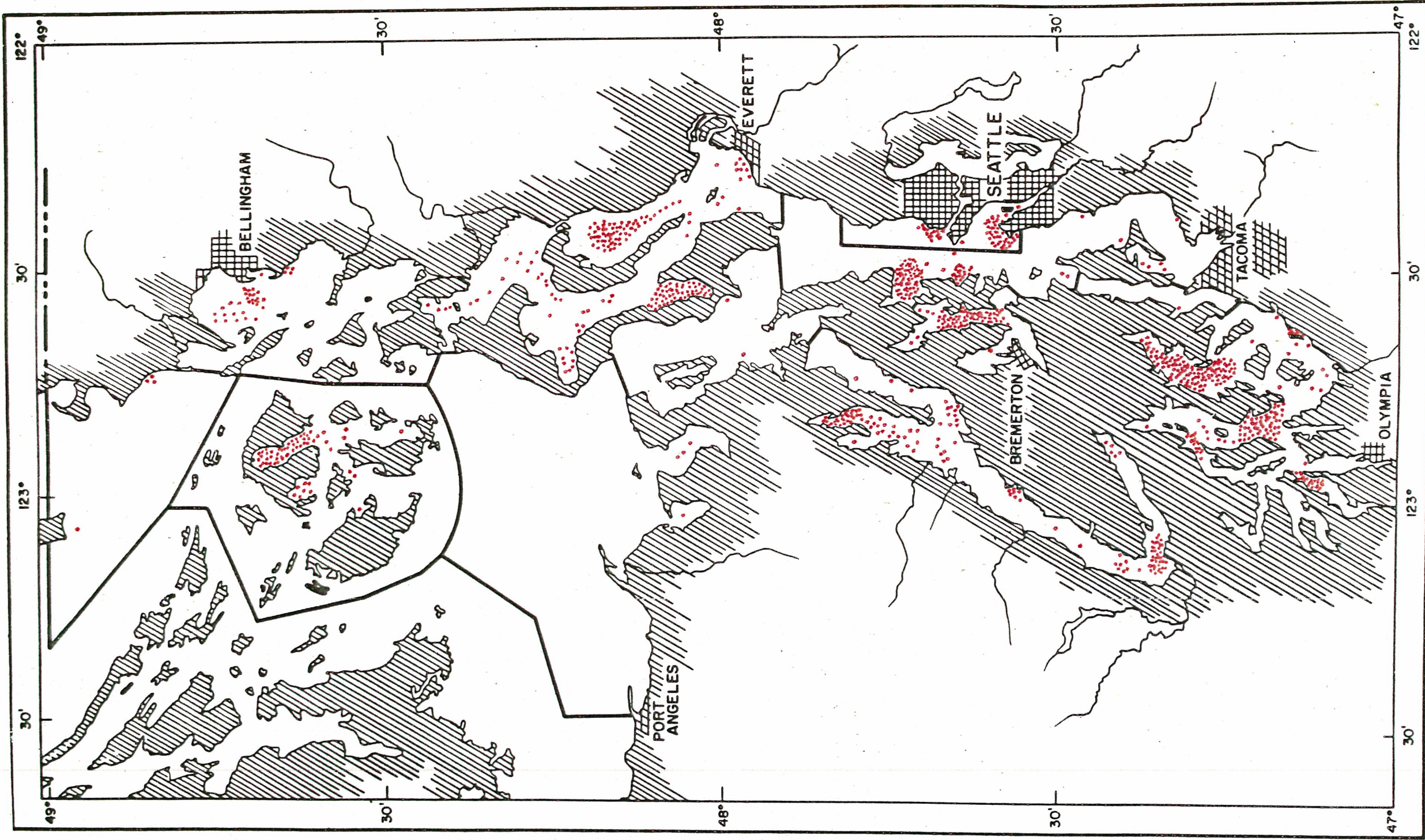
Tarletonbeania crenularis

Myctophidae

Published Records

1-PS: Kincaid, 1919.

Friday Harbor Laboratory Log1-SJ (night light: Friday Harbor
Lab): 6/15/53.



Porichthys notatus

Batrachoididae

Published Records

- 1-SS (Fort Steilacoom):
Girard, 1959; Suckley, 1860.
- 1-SJ: Starks, 1911.
- 1-SJ: Shelford et al., 1935.
- 1-AI (near Colvos Rocks):
Evermann and Goldsborough, 1907.
- 1-GS: Smith, 1936.
- 5-B (Bellingham Bay): Smith, 1936.
- 4-E (Coupeville): Smith, 1936.
- 1-JF (Sequim Bay):
Smith, 1936 (also museum 3911).
- 1-JF (Port Discovery):
Smith, 1936 (also museum 3867).
- 1-HC (Bangor): Smith, 1936.
- 5-SS (Carr Inlet; Anderson Island;
Nisqually Flats; Dofflemeyer
Point; Case Inlet): Smith, 1937.
- 3-E (Camano Head; Columbia Beach;
Langley): Smith, 1937.
- 2-E (Gedney Island): Smith, 1937.
- 5-HC (Hoodsport): Smith, 1937.
- 2-HC (Holly): Smith, 1937.
- 2-HC (Skokomish Flats; Seabeck):
Smith, 1937.
- 1-HC (Quilcene Bay):
Smith, 1937 (also museum 4230).
- 3-SJ (Upright Channel; East Sound;
Blakely Island): Smith, 1937.
- 7-E (Kiket Island to Strawberry
Point): Stober and Salo, 1970b.
- 2-E (Skagit and Similk Bays):
Stober and Salo, 1970b.
- 1-S (Duwamish estuary): Salo, 1969.
- 26-S (Duwamish Head): Salo, 1969.
- 5-E (Skagit Bay): Salo, 1969.
- 3-CS (beach seine: south side of
Point Jefferson): Kendall, 1966.
- 2-HC (Anderson Cove): Chew, 1970.
- 2-HC (fyke net: in Big Beef Harbor):
Anderson and Chew, 1972.
- 1-CS (Dumas Bay): Miller, 1971b
(also NIH 71105 and 71106).
- 1-CS (Seahurst County Park):
Miller, 1971a (also boat 7113 and
NIH 71101).

University of Washington
Museum Collection

- 1-PS: 202.
- 8-SJ (East Sound):
630; 740; 2283; 2965; 16687;
18687 (also NIH, 1964); 18688
(also NIH, 1954); 17126.
- 1-SJ (near Olga): 1121.
- 2-E (Holmes Harbor): 1684; 5303.
- 1-SJ (west shore of Blakely Island):
2122.
- 1-SJ (West Sound): 2233.
- 1-E (off Camano Head in Saratoga
Pass.): 2549.
- 1-E (east of Gedney Island): 2564.
- 1-E (off Snohomish River): 2620.
- 2-E (off Everett): 2903; 2932.
- 2-S (Golden Gardens): 5651; 16931.

- 1-CS (off Port Madison):
5720 (also boat 497B).
- 1-SJ (north East Sound):
5763; 5693 (also boat 491M).
- 1-HC (across from Hoodsport):
5774 (also boat 499F).
- 1-CS (center of Port Madison):
5788 (also boat 492B).
- 1-S (off Golden Gardens):
5848 (also boat 493B).
- 1-CS (Port Madison):
6035 (also boat 1/22/49-3).
- 1-PO (Liberty Bay):
6189 (also boat 2/5/49-5).
- 1-SS (Nisqually Beach, south of
Treble Point): 7586.
- 1-HC: 8224.
- 1-SS (off Glen Cove):
8270 (also boat 5037C).
- 1-SJ (Friday Harbor): 11503.
- 1-SS (near Minter Creek): 14778.
- 1-B (Chuckanut Bay): 18292.
- 1-GS (6 miles south of Point
Roberts): 5636.
- 1-HC (Point Whitney): 16577.
- 1-SJ (mid East Sound): 18686 (also
Friday Harbor Log, 6/5/64).

Friday Harbor Laboratory Log

- 1-SJ (south East Sound):
6/20/50-2 (also boat 5033I).
- 1-SJ (south of Orcas Island):
6/24/52.
- 9-SJ (East Sound):
8/11/52; 7/6/60-2; 7/26/60;
8/13/60-1; 7/6/71-1; 6/20/61;
5/11/62; 4/3/64; 6/29/71-1.
- 3-SJ (East Sound entrance):
7/28/55-2; 8/11/55-3; 8/22/55-5.
- 3-SJ (mid East Sound):
8/22/55-7; 6/20/69-1; 6/21/71-1.
- 1-SJ (West Sound and Lopez Sound):
6/27/60.
- 2-SJ (Upright Head to Olga):
8/1/60-2; 7/10/61-2.
- 4-SJ (West Sound): 8/13/60-1;
6/26/61; 6/20/69-2; 7/6/71-2.
- 1-SJ (Upright Head to Obstruction
Pass.): 8/22/55-4.
- 1-SJ (lower East Sound): 6/26/73-1.

University of Washington Boat Log

- 1-SJ (north end of East Sound):
491L.
- 1-SJ (West Sound): 5033L.
- 1-SJ (East Sound): 5033M.
- 1-SJ (east of Humphrey Head):
5033N.
- 14-SJ (training cruise area: East
Sound, north of Rosario Point):
6507H; 6603H; 6614H; 6620H;
6717H; 6815H; 6819H; 6908H;
7118H; 7307H; 6914H; 7010H;
7017H; 7110H.

Porichthys notatus

Batrachoididae

University of Washington Boat Log

- 14-B (training cruise area: south-west of Post Point): 6603G; 6614G; 6620G; 6630G; 6815G; 6819G; 6826G; 6908G; 7118G; 7307G; 7010G; 7017G,G.1; 7313G.
- 13-E (mouth of Holmes Harbor, Rocky Point to Dines Point): 491Q; 5234A,C; 5307C,D,K,L,R,S; 5321R; 5327C,E; 5312I.
- 1-E (Port Susan, off Spee-Bi-Dah): 5023D.
- 2-E (Saratoga Pass.; Snatelum Point to Onamac Point): 5330F; 5712C.
- 1-E (Saratoga Pass.): 6810B.
- 8-E (mid Holmes Harbor, south of Dines Point to off Classic): 5234D; 5312F,G,K; 5405G; 5501D; 5712E,F.
- 27-E (lower Holmes Harbor, south of Classic): 5234E; 5305A,B,G; 5307E,F,G,H,O,P,T,U; 5312B,C,D,E,L,N; 5316E,N; 5321U,W; 5501A,B,C,E,F.
- 36-E (Holmes Harbor): 5305H,I,J,K,M; 5325A,B,C; 5327A,B; 5405A,B,C,D,E,F; 5420A,H; 5522D; 5604D,E,F,G,H; 56130,P,Q,T; 5614B,D,E,F; 5703E,G,H; 5810A.
- 2-E (Penn Cove): 5405K; 5522G.
- 2-E (Saratoga Pass., Onamac Point to Indian Beach): 5405L,M.
- 1-E (training cruise area: off Penn Cove): 7118E.
- 2-E (off north of Kayak Point): 7204A,B.
- 3-E (off Kayak Point): 6702A,B,C.
- 3-B (Bellingham Bay): 6715G; 6822G; 7017G2.
- 1-JF (Port Discovery): 5318A.
- 1-HC (off Union): 499H.
- 1-HC (off Thornedyke Bay): 499J.
- 23-HC (Dabob Bay): 5903A,B; 5921; 6013A,B; 6105A,C; 6202A,C,D,E,F; 7205M,N; 7102B,C,D,E,F,K,L,O; 7112.
- 1-HC (west of Misery Point): 7202A.
- 36-HC (Dabob Bay, Broad Spit to Long Spit): 6503A,B,D,E,H; 6601A,B,C,D; 6629A,B,D,E; 6702D,E,F; 6724A; 6804A,B,G,H; 6807B; 6828A; 6902A,B,H; 7202E,F,I,J; 7303E,F; 7003B,C,G,H.
- 1-HC (south of Oak Head): 6601E.
- 5-HC (off Pleasant Harbor): 6804E; 6828E; 7003J,K,L.
- 1-HC (northwest of Big Beef): 6902I.
- 1-HC (mid-channel, Hoodspout to Potlatch): 6804D.
- 9-CS (mid Port Madison): 5006D; 5048B; 5122A,B; 5132D; 5812A; 5924A; 5932A; 6204B.
- 2-CS (mid Quartermaster Harbor): 5042C,D.
- 2-CS (off Port Madison): 5043B,C.
- 1-CS (Tramp Harbor): 5104A.
- 2-CS (mouth of Quartermaster Harbor): 5104B; 5115H.
- 3-CS (Port Madison, off Agate Pass.): 5302AA; 5310.2F; 5317C.
- 1-CS (west of Point Monroe): 5315D.
- 4-CS (east off Point Monroe): 5805C; 5813A,B,C.
- 1-CS (off Murden Cove): 7308A.
- 16-CS (Murden Cove): 6610B; 6710B; 6713G,H; 6818A,B,C; 6819X; 6821.5G,H; 6823-1; 6912; 7016C; 3-7108.
- 1-CS (trap: Port Madison): 6213.
- 2-CS (off Sylvan Beach, Vashon Island): 6703A,B.
- 1-CS (off West Point): 6706B.
- 1-PO (Liberty Bay): 2/5/49-5.
- 55-PO (off Fletcher Bay to off south of Battle Point): 5207D; 5223B; 5228F; 5230F; 5235P; 5236E; 5301A; 5303; 5306A; 5309A; 5310.3B; 5315B; 5317A,B; 5402X; 5413A; 5422A; 5504; 5523A,B; 5602B; 5603E; 5615A; 5707A,B,G,H; 5709C; 5809A; 5904C; 5905A; 5915B; 5919A,B; 5923A,B; 5924B; 5927C; 6001AM; 6006A; 6016B1,A2,B2,A3,B3,A5,B5; 6101A; 6111A,B; 6201; 6202.5; 6205D1,D3; 6913.
- 11-PO (off south of Fletcher Bay): 5229A,C; 5413B,C,D,F; 5711C; 5801A,C; 6016B4; 6118A.
- 26-PO (most probably off Fletcher Bay): 5306B; 5926A; 6002A; 6007A,B; 6009A; 6204A,C; 7206; 7302A; 6214; 6711B,C; 6713B,E,F; 6715; 6813.5; 6821.5F; 6916D,H; 7011A,B; 7020; 7104-1,2.
- 1-PO (off Battle Point and north): 7310.3A.
- 9-PO (off Fletcher Bay): 6307; 6320A; 6322.5; 6403A,F; 6406C; 6427A,B; 6507K; 6707.
- 2-PO (off Manzanita to off Seabold): 5310.5E; 6215A.
- 4-PO (between "B-2" and "B-1"): 5526A; 6205C3,C1,C2.
- 1-PO (north of buoy 4): 5927A.
- 1-PO (Brownsville to White Point): 6806A.
- 2-S (off Golden Gardens to north of Meadow Point): 5119G,H.
- 1-S (Golden Gardens): 6311F.
- 1-S (off Golden Gardens): 5131C.
- 1-S (off Carkeek Park to Meadow Point): 5915D.
- 1-S (beach seine: Golden Gardens): 6513A.
- 1-SS (off McLane Cove): 7/20/49-3.
- 1-SS (northwest end of Nisqually Reach): 7/20/49-5.
- 2-SS (west off Herron Island): 5009G; 5126H.

Porichthys notatus

Batrachoididae

University of Washington Boat Log

- 18-SS (off Minter Creek to off Elgin): 7/19/49-1; 5037H; 5045G, J; 5101C; 5104D,V; 5107A; 5126D, F; 5135A,B,C,D; 5201P; 5227E,G,I.
 1-SS (north end of Pickering Pass. to off McLane Cove): 5009H.
 32-SS (off Glen Cove to west of Cutts and Raft Islands): 5009J; 5045K; 5101B; 5102A; 5104J,L,P,Q,Y,Z,AA; 5115F; 5126M; 5201A,O; 5204A,B,C,D,E,K,L,M,N; 5213D; 5227B; 5613A,B,C,D,F,G.
 3-SS (mouth of Carr Inlet, southwest of Green Point): 5037A; 5104S,T.
 8-SS (off Wauna and south): 5037I; 5101A; 5104F,G,W; 5126L; 5227A,G.
 1-SS (mid-channel, Gibson Point to Gertrude Island): 5046D.
 1-SS (off north of Home to off Horsehead Bay Spit): 5104R.
 1-SS (beach seine: 1 mile north of Minter Creek): 5126E.
 1-SS (off Victor): 5126G.
 1-SS (west of Ketron Island): 5126K.
 3-SS (Carr Inlet): 5522C; 5605A; 5703C.
 5-SS (Eld Inlet, trap: 1 mile northeast of Flapjack Point): 6208A,B; 6217-2; 6219-1,2.
 3-SS (mid-channel, Glen Cove to Green Point): 6724B-1,2,3.
 1-SS (east of Hartstene Island): 6724C.
 1-SS (Drayton Pass.): 6724D.
 3-HC (Anderson Cove): 7009A,B,D.
 5-PO (most probably off Fletcher Bay): 7105-1,2; 7107A,B; 7313X.
 2-E (north of Kayak Point to Tulalip): 7112.
 1-SJ (training cruise area: southwest of Center Island): 7017I.

Miscellaneous Logs

- 1-SJ (East Sound): DeLacy Log, 6/20/69.
 1-E (off Everett): DeLacy Log, 1932.
 1-HC (Point Whitney): C. Lindsay, personal communication, 1962.
 1-S (Duwamish estuary): Metro, 1966-70.
 50+-S (Duwamish Head to Alki Point): U.W. Ocean., 1964-67.
 5-E (Port Gardner Bay): U.W. Ocean., P.G., 1962-67.
 261-PO (Narrows, just south of Fletcher Bay): U.W. Ocean., P.O., 1964-65.
 2-S (Golden Gardens): U.W. Ocean., Hoh, 1963-67.
 50+-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
 5-HC (Lynch Cove): U.W. Ocean., Hoh, 1963-67.

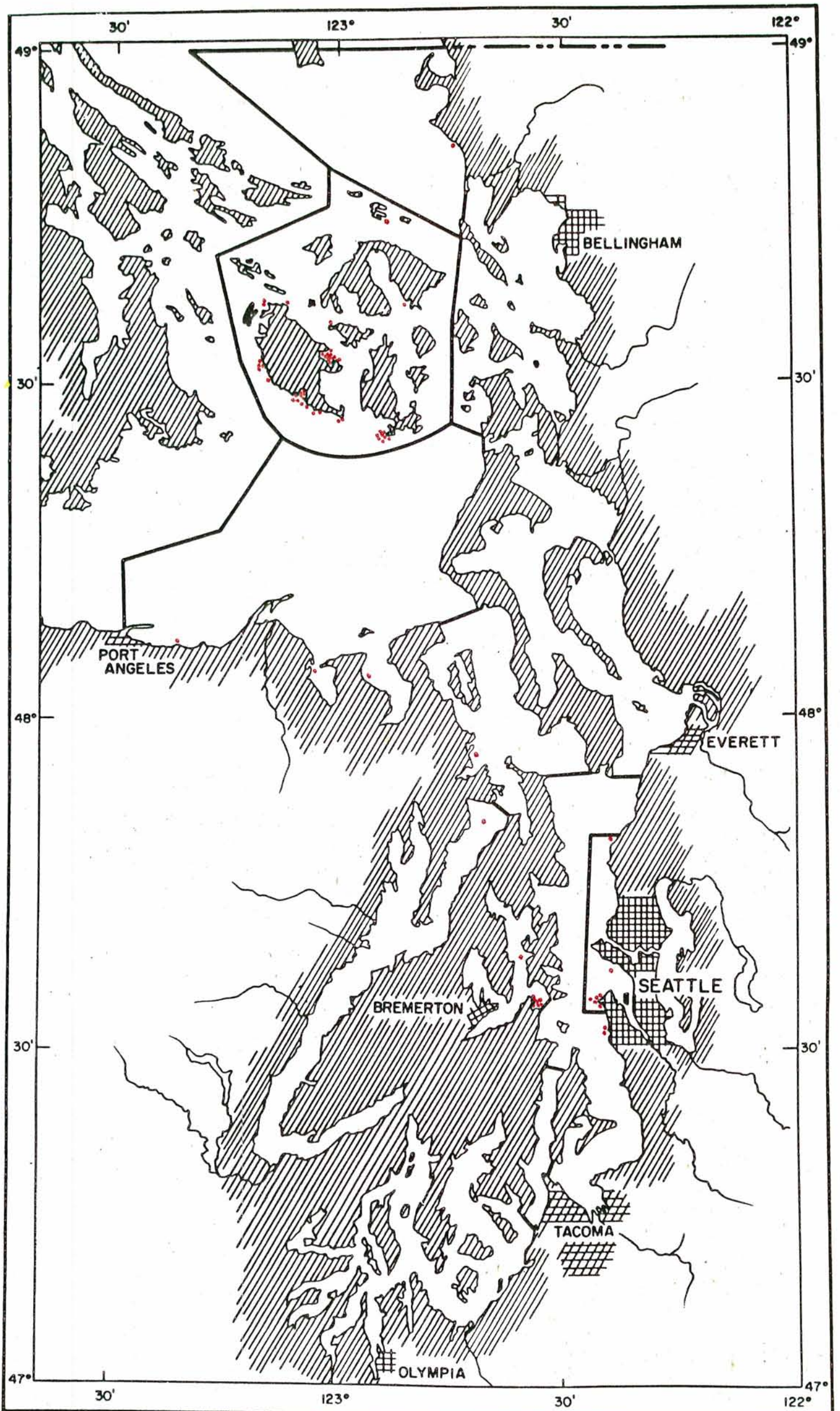
- 3-HC (Seabeck): U.W. Ocean., Hoh, 1963-67.
 50+-SS (Case Inlet, off Taylor Bay to off Whiteman Cove): U.W. Ocean., Hoh, 1963-67.
 10+-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
 50+-CS (Port Madison): U.W. Ocean., Hoh, 1963-68.
 4-E (Port Susan): U.W. Ocean., Hoh, 1963-67.
 3-E (Penn Cove): U.W. Ocean., Hoh, 1963-67.
 3-E (Saratoga Pass., Demock Point): U.W. Ocean., Hoh, 1963-67.
 4-E (northeast of Rocky Point): U.W. Ocean., Hoh, 1963-67.
 17-E (Holmes Harbor): U.W. Ocean., Hoh, 1963-67.
 2-SS (off Taylor Bay to off Whiteman Cove): U.W. Ocean., Commando, 1968.
 1-PO: U.W. Ocean., Commando, 1968.
 2-CS (Skiff Point to Point Jefferson): U.W. Ocean., herring trawl, 1968-69.
 3-HC (off southwest of Big Beef Harbor): Sea Grant, 1973.
 38-SS (mouth of Carr Inlet): U.W. Ocean., herring trawl, 1968-69.
 12-PO (south of Fletcher Bay): U.W. Ocean., herring trawl, 1968-69.
 1-SJ (West Sound): U.W. Ocean., Hoh, S.J., 1966.
 4-SJ (East Sound): U.W. Ocean., Hoh, S.J., 1966.
 2-E (Port Susan): U.W. Ocean., Hoh, S.J., 1966.
 3-E (Holmes Harbor): U.W. Ocean., Hoh, S.J., 1966.
 1-E (Holmes Harbor): WSDF, Commercial Catch Comp., 1966-71.
 3-SS (Case Inlet): WSDF, Commercial Catch Comp., 1966-71.
 1-JF (Discovery Bay): NMFS, Cobb-35.
 3-SS (Carr Inlet): NMFS, Cobb-68.
 3-PO (south of Fletcher Bay): NMFS, Cobb-68.
 2-HC (outside Dabob Bay; off Ayock Point): NMFS, Cobb-68.
 2-E (Holmes Harbor): NMFS, Cobb-70.
 2-HC (off Hoodspout; off north of Lilliwaup): NMFS, Cobb-71.
 1-SS (Carr Inlet): NMFS, Cobb-75.
 20-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
 2-SJ (East Sound): NIH, 1968-71.
 3-B (Bellingham Bay, Marine Drive to Nooksack River): NIH, 1968-71.
 3-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
 1-PO (off Fletcher Bay): NIH, 1968-71.
 2-SS (Case Inlet, Stretch Island to Herron Island): NIH, 1968-71.

Porichthys notatus

Batrachoididae

Miscellaneous Logs

- 82-CS (Port Madison):
Van Cleve, trap, 1961-65.
- 5-PO (off Fletcher Bay):
Van Cleve, trap, 1961-65.
- 118-SS (entrance to Eld Inlet):
Van Cleve, trap, 1961-65.
- 3-E (Holmes Harbor):
Van Cleve, trap, 1961-65.
- 3-SS (north part of Pickering Pass.):
Van Cleve, trap, 1961-65.
- 3-E (just south of Penn Cove in Saratoga Pass.):
Van Cleve, trap, 1961-65.
- 1-CP (beach seine: Gig Harbor Spit):
Sea Grant, 72003 (also boat 7208).
- 1-GS (Cherry Point):
Sea Grant, 52009.
- 1-AI (beach seine: Mutiny Bay):
Sea Grant, 72011.
- 1-PO (beach seine: Dyes Inlet, Tracyton launch ramp):
Sea Grant, 72018.
- 2-GS (Cherry Point):
Sea Grant, 72019.
- 1-HC (off Big Beef Harbor):
Sea Grant, 72026.
- 4-B (beach seine: Wildcat Cove launch ramp):
Sea Grant, 72029; 1973.
- 1-B (mid off Point Frances):
Sea Grant, 72035.
- 1-S (otter trawl: south side of West Point): Sea Grant, 1973.
- 1-S (southwest of Alki Point):
Sea Grant, 1973.
- 2-S (deep otter trawl: southwest of Alki Point): Sea Grant, 1973.
- 4-PO (off south of Fletcher Bay):
Sea Grant, 73008.
- 15-SS (off McLane Cove to Stretch Island, mid-channel):
Sea Grant, 1973-74.
- 1-SS (near Dougall Point):
Sea Grant, 1973-74.
- 6-HC (Union): Sea Grant, 1973.
- 10-HC (mid-channel, off Union):
Sea Grant, 1973-74.
- 8-HC (off Skokomish River Delta):
Sea Grant, 1973.
- 9-HC (mid-channel, off Skokomish River Delta):
Sea Grant, 1973-74.
- 1-HC (Carlson Point to King Spit):
Sea Grant, 73039.
- 5-SS (Cormorant Pass.):
Sea Grant, 73060.
- 1-SS (Cormorant Pass.):
Sea Grant, 73059.
- 1-SS (east side of Tatsolo Point):
Sea Grant, 73059.
- 2-B (Bellingham Bay): Bill High, personal communication, 12/9/63.
- 1-SS (off Nisqually River-McAllister Creek Flats): Sea Grant, 1973.



Gobiesox maeandricus

Gobiesocidae

Published Records

- 1-S (Seattle):
 Jordan and Starks, 1896.
 1-AI (Port Ludlow): Starks, 1896b.
 1-SJ: Starks, 1911.
 1-SJ: Shelford et al., 1935.
 1-SJ (Friday Harbor): Batts, 1961.

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- 1-S (west Seattle): 185.
 4-SJ (Friday Harbor):
 995; 1042; 2103; 2190.
 1-SJ (Cattle Point): 1021.
 1-SJ (Lime Kiln): 1030.
 1-SJ (2 miles south of Lime Kiln):
 1065.
 3-SJ (Kanaka Bay):
 1082; 1146; 1254.
 1-SJ (near Olga): 1137.
 1-SJ (False Bay): 1275.
 1-SJ (False Bay Reef): 1476.
 1-SJ (Sucia Island): 1766.
 2-CS (Lincoln Park Beach):
 3578; 3792.
 1-S (beach seine: Alki Point):
 4524.
 2-S (Alki Point): 4836; 8221.
 1-PO (Port Orchard or possibly
 Orchard Point): 4806.
 1-S (Edmonds): 5209.
 1-S (off Alki Point): 11498.
 1-JF (beach near Morse Creek):
 14633.
 1-PO (reef north of Manchester
 Rocks): 643.
 1-SJ (tidepools, 1 mile from False
 Bay): 6222.
 1-SJ (beach seine: between False and
 Kanaka Bays): 10454.
 1-SJ (Hannah Heights): 17996 (also
 Friday Harbor Log, 8/3/63).
 1-SJ (Iceberg Point): 18008 (also
 Friday Harbor Log, 7/18/63-2).
 1-SJ (Limestone Point): 17425 (also
 Friday Harbor Log, 6/23/63).
 1-SJ (point east of Eagle Cove):
 17419 (also Friday Harbor Log,
 8/5/63).

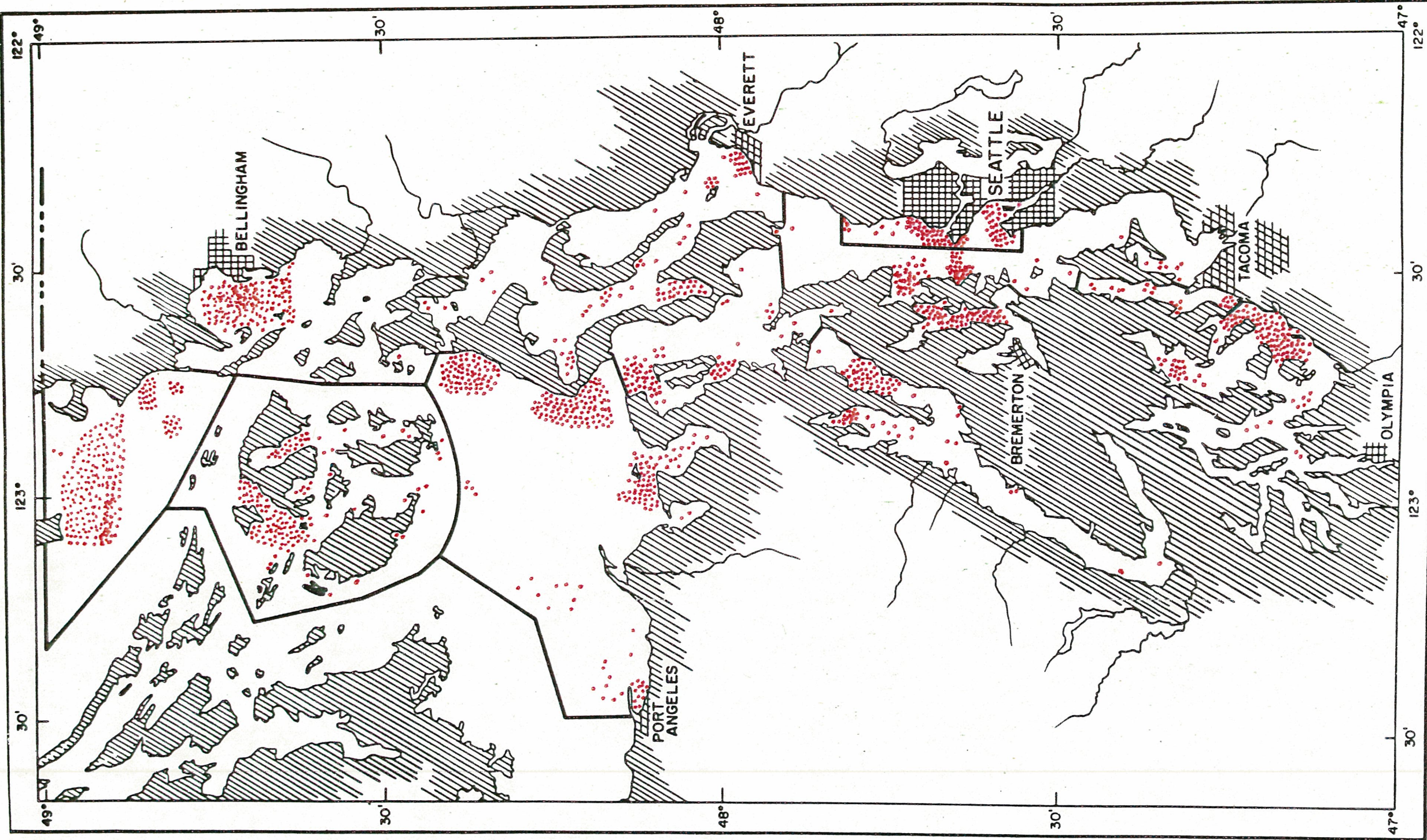
Friday Harbor Laboratory Log

- 2-SJ (Iceberg Point, tidepool):
 8/4/55-2; 8/22/60-1.
 1-SJ (north side of Neck Point):
 8/14/50-2.
 3-SJ (Friday Harbor Lab):
 6/23-30/60; 7/7/60; 8/4/60-1.
 5-SJ (False Bay): 7/10/60; 8/5/60;
 6/29/61; 7/26/61; 7/18/67.
 2-SJ (Minnesota Reef):
 7/11/60-2; 8/4/60-2.
 4-SJ (Iceberg Point): 6/28/61-2;
 7/19/63-2; 7/7/67; 6/30/69-3.
 1-SJ (Friday Harbor): 7/25/61.
 1-SJ: 5/62.

- 3-SJ (Deadman Bay):
 6/22/63; 8/2/63; 7/11/67-1.
 1-SJ (Hannah Heights): 7/6/67.
 1-SJ (Cattle Point): 6/22/67.
 1-SJ (Eagle Point): 7/5/67.
 1-SJ (night light, Friday Harbor
 Lab): 1969.
 1-SJ (Iceberg Point, tidepool):
 6/29/73-1.

Miscellaneous Logs

- 10+-PO (Clam Bay): L. Moulton,
 personal communication, 1972.
 1-GS (just south of Cherry Point):
 Sea Grant, 72008.
 1-PO (south and north of Fletcher
 Bay): U.W. Ocean., Hoh, 1963-67.
 1-JF (Sequim Bay):
 Battelle, 1967-69.
 1-JF (north of Gardiner, Discovery
 Bay): Sea Grant, 71111.



Gadus macrocephalus

Gadidae

Published Records

- 1-SS (Fort Steilacoom):
Suckley, 1860.
- 1-AI (Port Townsend):
Suckley, 1860.
- 10+-JF (in Port Angeles Harbor):
Smiley, 1885.
- 1-AI (Port Townsend): Bean, 1884.
- 2-JF (Discovery Bay; Port Angeles):
Swan, 1887.
- 1-CS (near Quartermaster Harbor):
Rathbun, 1894.
- 8-JF (large area northwest of
Dungeness Spit): Greenwood, 1957
(also NMFS, Cobb-25).
- 1-SJ (Blakely Island): Smith, 1937.
- 1-HC (Hoodsport): Smith, 1937.
- 4-GS: Smith, 1936.
- 7-B (Bellingham Bay): Smith, 1936.
- 5-E (Coupeville): Smith, 1936.
- 1-AI (Port Townsend): Smith, 1936.
- 2-JF (Sequim Bay; Port Discovery):
Smith, 1936.
- 1-HC (Bangor): Smith, 1936.
- 1-SS (Hale Pass): Smith, 1936.
- 50+-GS (commercial fishing: large
area west of Birch Bay and south
of Point Roberts): Kelly, 1946.
- 50+-SJ (west of Orcas Island:
fishing): Kelly, 1946.
- 50+-B (commercial fishing:
Bellingham Bay): Kelly, 1946.
- 50+-JF (commercial fishing: west of
Point Partridge): Kelly, 1946.
- 50+-HC (commercial fishing:
Thorndike Bay area):
Kelly, 1946.
- 2-E (Skagit and Similk Bays):
Stober and Salo, 1970b.
- 3-S (Duwamish Head): Salo, 1969.
- 1-E (Port Gardner): Salo, 1969.
- 2-E (Kiket Island to Strawberry
Point): Stober and Salo, 1970b.
- 50+-B (commercial fishing:
Bellingham Bay): DiDonato, 1969.
- 50+-HC (commercial fishing):
DiDonato, 1969.
- 3-CS (beach seine: south side of
Point Jefferson): Kendall, 1966.
- 50+-JF (fishing areas: West Beach):
Haw and Buckley, 1971.
- 50+-B (fishing area: Bellingham
Bay): Haw and Buckley, 1971.
- 50+-GS (fishing area):
Haw and Buckley, 1971.
- 50+-CP (sport fishing area: Tacoma
Narrows): Haw and Buckley, 1971.
- 50+-SS (sport fishing areas: Tacoma
to Anderson Island, especially
just south of Point Fosdick):
Haw and Buckley, 1971.
- 1-HC (Anderson Cove): Chew, 1970.
- 1-HC (fyke net: in Big Beef Harbor):
Anderson and Chew, 1972.

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- 2-PS: 205; 4747.
- 1-SJ (False Bay): 1176.
- 1-SJ (Blind Bay): 2250.
- 1-SJ (Waldron Island): 2888.
- 1-S (beach seine: spit near Ballard
Locks): 4608.
- 1-S (Alki Point): 4903.
- 1-S (Edmonds): 5223.
- 1-SJ (west of Ram Island):
5698 (also boat 491P).
- 2-S (off Golden Gardens):
5730 (also boat 497E); 5843 (also
boat 496C).
- 1-SJ (Iceberg Point tidepool):
15346 (also Friday Harbor log,
7/22/52-3).
- 1-SJ (north side Johns Island,
second bay): 15347 (also Friday
Harbor log, 8/19/52-2).
- 1-CS (beach seine: Cultus Bay):
16493 (also boat 5217A).
- 1-CS (mid Port Madison):
16494 (also boat 1/22/49-1).
- 1-SJ (East Sound):
17064 (also boat 6/20/63).

Friday Harbor Laboratory Log

- 1-SJ (Upright Head): 6/28/51-1.
- 1-SJ (off Rocky Bay): 6/30/51-1.
- 1-SJ (Reef Bay, northeast side Johns
Island): 7/5/51-1.
- 3-JF (west of McArthur Bank):
7/12/51-1; 8/8/60; 7/8/69-1.
- 2-B (Bellingham Bay):
7/26/51-2; 6/22/55.
- 1-B (south of Eliza Island):
8/8/55-1.
- 1-SJ (Lopez Sound): 7/12/51-2.
- 1-SJ (south of Orcas Island):
6/24/52.
- 1-SJ (Lopez Sound and East Sound):
7/1/52.
- 1-SJ (east of Cattle Point):
7/7/52-4.
- 2-SJ (West Sound): 7/9/52-3 (also
boat 5220I); 6/26/61; 6/27/63-B.
- 1-SJ (off Fish Creek): 7/21/52-1.
- 1-SJ (west of Salmon Banks):
7/22/52-2.
- 2-SJ (East Sound):
8/11/52; 5/11/62.
- 1-SJ (East Sound or West Sound):
7/25/55.
- 1-SJ (southeast of Cattle Point):
8/3/55-2 (also boat 5520B).
- 1-SJ (off Iceberg Point):
8/4/55-1 (also boat 5520C).
- 2-SJ (lower East Sound): 8/11/55-3;
6/20/50-2 (also boat 5033I).
- 1-SJ (outside False Bay):
8/17/55-2.

Gadus macrocephalus

Gadidae

Friday Harbor Laboratory Log

- 1-SJ (east Roche Harbor):
7/31/50-3.
1-SJ (Open Bay): 7/31/50-4.
1-SJ (north of Hunter Bay):
6/19/50-5 (also boat 5033G).
1-SJ (Upright Head to Olga):
8/1/60-2.
1-SJ (Smallpox Bay): 7/13/61.
1-SJ (south of Lopez Island):
6/27/63-A.
1-SJ (Friday Harbor Lab):
7/12/69-2.
1-SJ (west of Neck Point): 7/13/69.
4-SJ (mid East Sound):
2/21/64; 4/3/64; 6/5/64; 7/11/64.

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- 1-GS (north of Alden Bank): 491G.
1-JF (Discovery Bay): 5318A.
2-JF (off Ediz Hook to Green Point):
5705A,E.
1-JF (west of McArthur Bank):
5520A.
1-SJ (off Johns Island): 491B.
1-B (Burrows Bay, east of Burrows
Island): 5033S.
1-B (Bellingham Bay): 6822G.
9-B (training cruise area: southwest
of Post Point): 6507G9; 6512G;
6614G; 6630G; 6717G; 6815G;
6826G; 6908G; 7010G.
3-SJ (training cruise area: East
Sound, north of Rosario Point):
6620H; 6717H; 6815H.
1-E (off Oak Harbor to Blower
Bluff): 5220N.
8-E (Holmes Harbor, south of
Classic): 5234E; 5237A,B; 5307H,
M; 5316E; 5501E; 5611B.
5-E (Holmes Harbor, off Rocky Point
to off Dines Point):
5237E,F; 5307K; 5312H; 5237E.
10-E (Holmes Harbor):
5305K,L; 5327B; 5405A,F; 5614E;
5703E,H; 5810A; 5933G.
1-E (off Coupeville to off Lovejoy
Point): 5316C.
2-E (off Utsalady Point): 5321C,E.
6-E (Saratoga Pass., Onamac Point to
Indian Beach):
5321L; 5330D; 5405L,N; 5418K,L.
3-E (Saratoga Pass., south of
Snatelum Point to north of Onamac
Point): 5330I; 5418H; 5712C.
3-E (in Elger Bay):
5330J; 5405Q; 5418I.
1-E (Penn Cove): 5405I.
1-E (off Mukilteo): 5604C.
1-E (Saratoga Pass., off Cama Beach
to off Lowell Point): 5712D.
1-E (Penn Cove mouth, off Long Point
to off Snatelum Point): 5810G.
1-E (Mission Beach): 7204C.

- 2-E (training cruise area: Saratoga
Pass, north of Langley):
6614D; 7110D.
7-E (training cruise area: east of
Gedney Island):
6614C; 6620C; 6630C; 6815C;
6819C; 6908C; 7213C.
1-E (south Saratoga Pass.): 6722X.
2-E (Saratoga Pass.):
6821.5D; 6810C.
4-AI (training cruise area: east of
north Marrowstone Island):
6507J; 6603J; 6614J; 6630J.
1-AI (Oak Bay, north of Olele
Point): 5009C.
1-HC (off Shine to off Sisters
Light): 499C.
1-HC (off Thorndike Bay): 499J.
11-HC (Dabob Bay):
5903B; 6105A,C; 6202C,E; 7205I,N;
7102B,C; 7112A,B.
1-HC (west of Misery Point): 7202A.
11-HC (Dabob Bay, Broad Spit to Long
Spit): 7202D,E,H,I; 7303B,C,D,F;
6629H; 6724A; 6828A.
1-HC (off Pleasant Harbor): 6828E.
1-HC (west of Seabeck Bay): 6902J.
1-AI (trawling south from between
Tala Point and Hood Head):
6902M.
3-CS (mouth of Quartermaster
Harbor): 5042A; 5104B; 5115H.
1-CS (mid Quartermaster Harbor):
5042C.
3-CS (Port Madison):
5043A; 5122A; 5932A.
2-CS (off Port Madison): 5043B,C.
1-CS (Tramp Harbor): 5104A.
1-CS (east of Blake Island): 5115I.
6-CS (off West Point): 5115J;
6620B; 6626B; 6627B; 6705; 6706B.
1-CS (off Agate Pass.): 5232A.
1-CS (Fay Bainbridge State Park):
5805A.
2-CS (mid-channel between Meadow
Point and Port Madison):
5516A; 5709B.
3-CS (east of Point Monroe):
5805C; 5813B,C.
1-CS (beach seine: south of Fay
Bainbridge State Park): 5806B.
36-CS (Murden Cove):
6610A,B,C; 6612A; 6613A; 6616;
6710A,A2,B2; 6711D; 6713C,D,G,H;
6801B; 6806B; 6809A; 6818A,B,C;
6821.5G; 6823-1,3; 6906B,C,D,E;
6912; 4/4/73B; 7008B; 7016C,H;
7108A,B,C,D.
6-CS (training cruise area: mid-
channel, Skiff Point to West
Point): 6819B; 6908B; 6603B;
7307B; 7308B; 7313B.
1-CS (trap: Port Madison): 6213.
1-CS (Manchester): 6618.

Gadus macrocephalus

Gadidae

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- 1-CS (off Sylvan Beach, Vashon Island): 6703A.
 1-CS (east of Neill Point, Vashon Island): 6703C.
 3-PO (south part of Agate Pass.): 495C; 4910B; 5401B.
 15-PO (Agate Pass, buoy N4 to N6): 5048A; 5106E; 5131A; 5132C; 5206A; 5309C; 5310.1B; 5310.2E, .3D, .4F, .5C, .5F, .5J; 5414.1A; 6617B.
 102-PO (off of Fletcher Bay to south of Battle Point to south of Brownsville): 5206B; 5223B; 5226B; 5228E,F; 5230F; 5232C; 5235P; 5236E; 5301A,B; 5302BB; 5303; 5306A; 5310.3B; 5315B; 5317A,B; 5402X; 5409.1; 5414.1C; 5421; 5422A,B,C,E; 5503A; 5504; 5507; 5523A,B; 5602A,B; 5615A,C; 5707A,B,G,H; 5709C; 5711A; 5809A,B; 5814; 5904A; 5906A; 5907A; 5910A; 5912A; 5915A,B; 5919A; 5922A; 5923A,B; 5924B; 5932B; 6001AM; 6003A; 6006A; 6008A,B; 6015A,B,C; 6016A1,A3,A5,B5; 6021A,B,C,D,E; 6100; 6101A; 6106; 6107; 6108; 6109A; 6111B; 6201; 6202.5; 6205D2,D3; 6307; 6317; 6320A; 6322.5; 6403AF; 6406C; 6425-1A,2A; 6427A,B; 6504; 6504.5; 6505A; 6507K; 6707; 6311.5; 6913.
 13-PO (off south of Fletcher Bay): 5229A,C; 5413B,C,D,E,F; 5503B; 5801A,B,C; 6016B4; 6118A.
 9-PO (off Seabold to off Manzanita): 5236B; 5310.1C, .1D, .2B, .2D, .4B, .5B, .5E; 6215A.
 4-PO (between "B-2" and "B-1"): 5301C; 5236F; 5526A; 6205C3.
 4-PO (off Battle Point and north): 5310.3A, .1A; 5422F,G.
 1-PO (in Manzanita Bay): 5310.3C.
 2-PO (Point Bolin to Keyport): 5310.4D, .4E.
 1-PO (trap): 6305.2.
 1-PO (Brownsville to White Point): 6806A.
 30-PO (most probably off Fletcher Bay): 6007A,B; 6009A; 6214; 6312.5; 6407.2; 6415; 6419; 6711C; 6713A,E,F; 6715; 6716.5; 6801; 6806; 6821.5F; 7206; 7302A,B; 7313X; 6916H; 7011A,B; 7020; 7104-1,2; 7105-1,2; 7107.
 44-S (off Golden Gardens to Meadow Point): 496C; 497E; 498A,B; 4910A; 5008C; 5009L; 5014C; 5017C; 5028A,C; 5029A,B; 5033A; 5034E,G; 5039A; 5112A,B,C; 5119G,H; 5126A; 5127A; 5129A,D; 5131C; 5132B; 5210D; 5314A,C; 5329C; 5408B; 5516C; 5702AN; 5704D; 5707J,K; 5713G; 5907D; 5920F; 6018A; 6112B; 6506C.
 21-S (off Meadow Point to Carkeek Park): 5020A; 5039C,E; 5044A; 5110A; 5119B; 5203A,B; 5211B,C; 5212B,D,E; 5606A; 5915D; 5932C; 7119A,B; 7120A,B; 6510B.
 20-S (beach seine: Golden Gardens to Meadow Point): 5024D; 5047A,C; 5105A; 5114B; 5116D1; 5129B; 5134A,B; 5137A,B; 5209D; 5215U,A,I,K,N; 5710B; 5807A,B.
 4-S (beach seine: Carkeek Park): 5225A,B; 5231A; 5808B.
 2-S (southwest of West Point to off Four-Mile Rock): 5602C; 6806C.
 2-S (Alki Point to off Duwamish Head): 5702AM; 5802JJ.
 2-S (off West Point, off sewer outfall): 6718-2,6.
 2-S (Carkeek Park to Richmond Beach): 6719A,D.
 1-S (Meadow Point to Richmond Beach): 6429B.
 1-S (north of Carkeek Park): 6414E.
 1-S (Golden Gardens): 6311A.
 4-CP (off Camp Sealth): 5009E,F; 5104CC,DD.
 1-CP (off Paradise Cove to Point Sanford): 5126N.
 1-CP (west side, south of Command Point): 5133P.
 1-CP (mid-channel, west of Cove): 5133Q.
 1-CP (Olalla to Maplewood): 6703D.
 1-SS (Hale Pass., Arletta to Cromwell): 5046B.
 15-SS (off Glen Cove to off Cutts and Raft Islands): 5101B; 5102B; 5104O; 5201A; 5204A,B,C,D,E,K,L,M,N; 5213D; 5613H.
 6-SS (northwest end of Nisqually Reach): 5126J; 5201C,M; 5204F,G,J.
 1-SS (between Fox and Day Islands towing toward Toliva Shoal): 5201E.
 1-SS (off Unsal Point, Dana Pass.): 5201J.
 1-SS (Hale Pass., Wollochet Bay to Point Fosdick): 5201N.
 1-SS (Dana Pass., Brisco Point to Dofflemeyer Point): 5204H.
 2-SS (off Minter Creek to Elgin): 5227E; 5126F.
 5-SS (Carr Inlet): 5522A,C; 5605B; 5703B,D.
 1-SS (Carr Inlet, mid-channel, Glen Cove to Green Point): 6724B-3.
 1-HC (Anderson Cove): 7009B.
 1-CS (off West Point toward Murden Cove): 7017Y.
 1-E (Port Susan, north of Kayak Point to Tulalip): 7112.

Gadus macrocephalus

Gadidae

Miscellaneous Logs

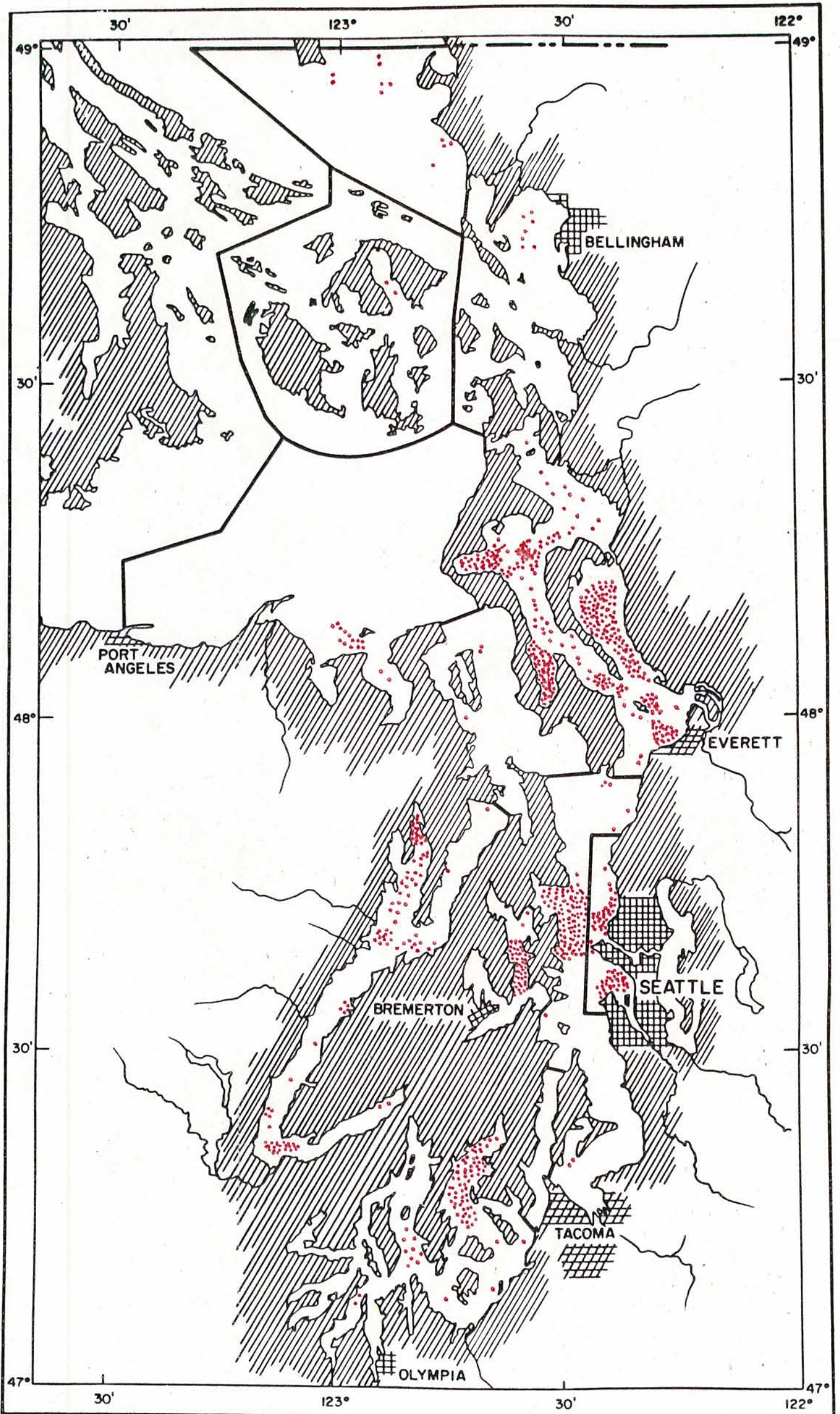
- 1-AI (Port Gamble): Bill High, personal communication, 9/27/59.
 15-HC: Bill High, personal communication, 12/30/66.
 1-S (Duwamish River estuary): Metro, 1966-70.
 3-JF (off West Beach): WSDF, Sport Fish., 1965-70.
 2-E (Skagit and Similk Bays): WSDF, Sport Fish., 1969.
 3-E (Everett): WSDF, Sport Fish., 1965-70.
 13+-S (Elliott Bay): WSDF, Sport Fish., 1965-70.
 1-SS: WSDF, Sport Fish., 1965-70.
 10+-HC: WSDF, Sport Fish., 1965-70.
 18-S (off Duwamish Head to Alki Point): U.W. Ocean., 1964-67.
 1-S (Meadow Point): U.W. Ocean., 1964-67.
 11-E (Port Gardner Bay): U.W. Ocean., P.G., 1962-67.
 43-PO (narrows, just south of Fletcher Bay): U.W. Ocean., P.O., 1964-65.
 1-S (Golden Gardens): U.W. Ocean., Hoh, 1963-67.
 9-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
 1-SS (Case Inlet, off Taylor Bay to off Whiteman Cove): U.W. Ocean., Hoh, 1963-67.
 8-CS (Port Madison): U.W. Ocean., Hoh, 1963-68.
 4-E (Port Gardner Bay): U.W. Ocean., Hoh, 1963-67.
 2-SS (Case Inlet, off Taylor Bay to off Whiteman Cove): U.W. Ocean., Commando, 1968.
 1-PO (probably off Fletcher Bay): U.W. Ocean., Commando, 1968.
 3-PO (south of Fletcher Bay): U.W. Ocean., herring trawl, 1968-69.
 4-SJ (West Sound): U.W. Ocean., Hoh, S.J., 1966.
 1-SJ (East Sound): U.W. Ocean., Hoh, S.J., 1966.
 1-E (Penn Cove): U.W. Ocean., Hoh, S.J., 1966.
 26-JF (Protection Island): WSDF, groundfish trawl, through 1970.
 1-JF (off Green Point): WSDF, groundfish trawl, through 1970.
 6-JF (Discovery Bay): WSDF, groundfish trawl, through 1970.
 1-E (Holmes Harbor): WSDF, groundfish trawl, through 1970.
 1-CP (Olalla): WSDF, groundfish trawl, through 1970.
 10-AI (Port Townsend): WSDF, groundfish trawl, through 1970.
 14-AI (Oak Bay): WSDF, groundfish trawl, through 1970.
 1-AI (Useless Bay): WSDF, groundfish trawl, through 1970.
 4-AI (Skunk Bay): WSDF, groundfish trawl, through 1970.
 1-JF (Sequim Bay): Battelle, 1967-69.
 1-AI (Foulweather Bluff to Liplip Point): WSDF, groundfish trawl, through 1970.
 36-B (Bellingham Bay): WSDF, groundfish trawl, through 1970.
 36-AI (east of Port Townsend and north of Marrowstone Island): NMFS, Cobb-35.
 9-JF (west of Protection Island): NMFS, Cobb-35.
 2-JF (Discovery Bay): NMFS, Cobb-35.
 1-JF (Protection Island to Point Discovery): NMFS, Cobb-35.
 2-PO (south of Fletcher Bay): NMFS, Cobb-68.
 1-JF (mid-channel, north of Morse Creek): NMFS, Cobb-90.
 1-S (north of Meadow Point): NMFS, Cobb-91.
 1-JF (northwest of Dungeness Spit): NMFS, Cobb-92.
 1-JF (Discovery Bay): NMFS, Cobb-75.
 11-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
 2-SJ (East Sound): NIH, 1968-71.
 1-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
 3-CS (Port Madison): Van Cleve, trap, 1961-65.
 5-JF (off Port Angeles to off Morse Creek): NMFS, Cobb-25.
 2-GS (tow area 1: Boundary Bay entrance): WSDF, G. Georgia, 1969-71.
 12-GS (tow area 2: off Birch Bay): WSDF, G. Georgia, 1969-71.
 20-GS (tow area 3: off Cherry Point): WSDF, G. Georgia, 1969-71.
 8-GS (tow area 4: off north of Neptune Beach): WSDF, G. Georgia, 1969-71.
 14-GS (tow area 5: north of Alden Bank): WSDF, G. Georgia, 1969-71.
 17-GS (tow area 6: southeast of Point Roberts): WSDF, G. Georgia, 1969-71.
 7-GS (tow area 7: mid-channel): WSDF, G. Georgia, 1969-71.
 5-GS (tow area 8: mid-channel): WSDF, G. Georgia, 1969-71.
 1-GS (tow area 9: mid-channel): WSDF, G. Georgia, 1969-71.
 1-CS (south of Possession Point): NMFS, Cobb, 2/28/73.

Gadus macrocephalus

Gadidae

Miscellaneous Logs

- 21-JF (west of Protection Island):
NMFS, Cobb, 2/28/73.
- 3-CP (beach seine: Gig Harbor Spit):
Sea Grant, 72003 (also boat
7208).
- 1-CP (off Gig Harbor Spit): Sea
Grant, 72003 (also boat 7208).
- 1-CP (mouth of Gig Harbor): Sea
Grant, 72003 (also boat 7208).
- 2-S (beach seine: north side of West
Point): Sea Grant, 1973.
- 4-S (off northwest side of West
Point): Sea Grant, 1973.
- 2-S (off southwest side of West
Point): Sea Grant, 1973.
- 1-S (deep trawl: off West Point):
Sea Grant, 1973.
- 1-S (southwest of Alki Point):
Sea Grant, 1973.
- 1-HC (off southwest of Big Beef
Harbor): Sea Grant, 1973.
- 1-HC (off Skokomish River delta):
Sea Grant, 1973.
- 2-AI (Mutiny Bay):
Sea Grant, 73049.
- 23-CS (Port Madison): Doug Olander,
Sport Catch, 1972-73.
- 2-S (south side of West Point):
Doug Olander, Sport Catch,
1972-73.
- 32-PO (south of buoy N6): Doug
Olander, Sport Catch, 1972-73.
- 1-HC (Point Hannon to Hood Head):
Doug Olander, Sport Catch,
1972-73.
- 1-CS (south end of Bainbridge
Island): Doug Olander, Sport
Catch, 1972-73.
- 3-S (Edmonds breakwater): Doug
Olander, Sport Catch, 1972-73.
- 1-CS (Neill Point to Point Dalco):
Doug Olander, Sport Catch,
1972-73.
- 1-SS (Cormorant Pass.):
Sea Grant, 73060.
- 3-JF (Protection Island): WSDF,
Commercial Catch Comp., 1966-71.
- 1-JF (Discovery Bay): WSDF,
Commercial Catch Comp., 1966-71.
- 1-S (Edmonds wreck): Larry Moulton,
Sport Catch, 6/25/73.



Merluccius productus

Gadidae

Published Records

- 1-S (Duwamish Head): Rathbun, 1894.
 1-S (Seattle): Rathbun, 1894.
 1-CS (Orchard Point):
 Jordan and Starks, 1896.
 1-S (Seattle):
 Evermann and Goldsborough, 1907.
 1-PS: Starks, 1911.
 3-B (Bellingham Bay): Smith, 1936.
 5-E (Coupeville): Smith, 1936.
 1-E (Camano Head): Smith, 1937.
 2-E (Gedney Island): Smith, 1937.
 3-HC (Hoodsport):
 Smith, 1937 (also museum 3955).
 3-HC (Skokomish Flats; Holly;
 Quilcene Bay): Smith, 1937.
 1-E (Skagit and Similk Bays):
 Stober and Salo, 1970b.
 1-S (Duwamish Head): Salo, 1969.
 5-E (Port Gardner): Salo, 1969.
 9-E (Skagit Bay): Salo, 1969.
 2-E (between Kiket Island and
 Strawberry Point):
 Stober and Salo, 1970b.
 50+-E (Port Susan):
 Commercial Fish.; DiDonato, 1969.
 50+-E: Haw and Buckley, 1971.
 3-HC (Anderson Cove): Chew, 1970.

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- 1-E (Saratoga Pass., Camano Head):
 2534.
 1-E (east of Gedney Island): 2567.
 1-E (off Snohomish River): 2627.
 1-E (Saratoga Pass., Sandy Point):
 2668.
 1-E (Saratoga Pass., Watsak Point):
 5211.
 1-SS (off Minter Creek):
 5659 (also boat 7/19/49-1).
 1-CS (President Point): 7628.
 1-CS: 15334.
 1-E (Saratoga Pass.): 15493.
 1-HC (lower Hood Canal): 19142.
 1-E (training cruise area: east of
 Gedney Island):
 19161 (also boat 6630C).
 1-CS (off West Point):
 19635 (also boat 6628B).
 1-E (Saratoga Pass., north of Holmes
 Harbor): 19134.

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- 1-B (Bellingham Bay): 7/26/51-2.
 1-SJ (mid East Sound): 2/21/64.
 1-SJ (East Sound): 6/29/71-1.

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- 1-E (off Tulalip Bay): 7/1/49-1.
 14-E (Holmes Harbor, off Rocky Point
 to off Dines Point):
 491Q; 5220D,0; 5234A,C; 5307C,K,
 L,R,S; 5312H,I; 5327C,E.

- 6-E (Penn Cove entrance, off Long
 Point to off Snatelum Point):
 5213A; 5220E; 5321F; 5330H;
 5810G; 7118.
 2-E (off Oak Harbor to Blower
 Bluff): 5220F,N.
 12-E (mid Holmes Harbor, south of
 Dines Point to Classic):
 5234D; 5305C; 5312F,G,J; 5316A,B,
 C; 5405G; 5501D; 5712E,F.
 25-E (lower Holmes Harbor, south of
 Classic):
 5234E; 5237A,B; 5305A,B,G; 5307E,
 F,H,P,T,U; 5312B,D,E,N; 5316E,M,
 N; 5321T; 5501A,C,E,F; 5810E.
 4-E (off Coupeville to off Lovejoy
 Point): 5316I,J; 5321H; 5418E.
 3-E (Saratoga Pass., Snatelum Point
 to Onamac Point):
 5316L; 5418H; 5712C.
 44-E (Holmes Harbor): 5305H,I,J,K,
 L; 5325A,B,C; 5327B; 5330A,B,C,M;
 5405A,B,C,D,E; 5418A,B,C,D;
 5420A,H; 5522D; 5604D,F,G; 56130,
 Q,R; 5614B,C,D,E,F,G,A; 5703E,G,
 H; 5810A; 6821.5E; 7110D-2.
 2-E (Saratoga Pass., Onamac Point to
 Indian Beach): 5321K; 5405M.
 17-E (Penn Cove):
 5327G; 5330G; 5405K; 5418F,G;
 5420E,F,G; 5522F,G; 5613U,W,X;
 5614I,J; 5712A; 5810H.
 2-E (off North Bluff to off
 Greenbank): 5418M,N.
 2-E (off Mukilteo): 5604C,B.
 1-E: 5712B.
 1-E (Saratoga Pass., Cama Beach to
 Lowell Point): 5712D.
 3-E (south end Saratoga Pass.):
 6620E; 6722X,Y.
 4-E (Saratoga Pass.):
 6801.5; 6801B,C; 6821.5D.
 1-E (north part Saratoga Pass.):
 6821.5B.
 19-E (training cruise area: east of
 Gedney Island): 6507C8; 6517C;
 6603C; 6614C; 6620C; 6717C;
 6722C; 6815C; 6819C; 6826C;
 6908C; 7010C; 7017C; 7110C;
 7118; 7118C; 7213C; 7307C; 7313C.
 14-E (training cruise area: off Penn
 Cove): 6603E; 6614E; 6717E;
 6815E; 6819E; 6826E; 6908E;
 6914E; 7010E; 7017E; 7110E;
 7118E; 7213E; 7313E.
 1-E (Saratoga Pass., Saratoga to
 Langley): 7118.
 15-E (training cruise area: Saratoga
 Pass., north of Langley):
 6507D8; 6603D; 6614D; 6630D;
 6717D; 6722D; 6815D; 6819D;
 6826D; 7010D; 7017D; 7110D;
 7118D; 7213D; 7307D.
 1-E (Mission Beach): 7204C.
 2-E (off north of Kayak Point):
 7204A,B.

Merluccius productus

Gadidae

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- 1-E (Everett): 6620D.
 3-E (Port Susan, off Kayak Point): 6702A,B,C.
 1-E (Saratoga Pass., off Camano Head): 6822D.
 1-E (near Penn Cove): 6822E.
 3-E (Port Susan): 6810A; 6821.5A,C.
 3-E (Port Susan, north of Kayak Point to Tulalip): 7112.
 1-E (Elger Bay): 7112.
 2-AI (training cruise area: east of north Marrowstone Island): 6603J; 6630J.
 1-HC (off Shine to off Sisters buoy): 499C.
 10-HC (off Pleasant Harbor): 499E; 6804E; 6828E; 6902L; 7003I, J,K,L; 7102M; 7303G.
 1-HC (off Union): 499H.
 21-HC (Dabob Bay): 5921; 6013A,B; 6105A,B,C; 6202B,C,D,E; 7205I,M,N; 7102B,E,F,K,L,N,O; 7112.
 1-HC (opposite Vinland): 7112C.
 1-HC (mid-channel, Hoodspout to Potlatch): 6804D.
 1-HC (south of Oak Head): 6601E.
 2-HC (Anderson Cove): 7009A,B.
 43-HC (Dabob Bay, Broad to Long Spit): 6503A,B,C,D,E,F,G,H; 6601A,C,D; 6629A,B,D,E; 6702E,F; 6724A; 6804B,G,H; 6807A,B; 6828B; 6902A,B,C,H; 7003A,B,C,D,G,H; 7202D,E,F,I,J; 7303B,C,D,E.
 1-HC (northeast of Big Beef): 6902I.
 5-CS (Port Madison): 5006D; 5048B; 5812A; 5924A; 5932A.
 6-CS (off West Point): 5122D; 6620B; 6626B; 6605B; 6607B; 6627B.
 1-CS (mid-channel, Meadow Point to Port Madison): 5709B.
 1-CS (off Fay Bainbridge State Park): 5806C.
 9-CS (training cruise area: mid-channel, Skiff Point to West Point): 6603B; 6819B; 6722B; 6914B; 7017B; 6614B; 7118B; 7307B; 7313B.
 1-CS (Vashon Island, east of Neill Point): 6703C.
 1-CS (mouth of Quartermaster Harbor): 5042A.
 2-CS (off Murden Cove): 6710C2,D2.
 7-CS (Murden Cove): 6713H; 7008B; 7016C,H; 7108; 6612A,B.
 58-PO (off Fletcher Bay to south of Battle Point to south of Brownsville): 5228F; 5230F; 5236E; 5301B; 5310.3B,.5D; 5317A; 5413A; 5421; 5422A,D; 5503A; 5523A,B; 5602A,B; 5615A; 5707B; 5709C; 5711A; 5809A; 5814; 5901AK; 5904A,B,C; 5906A; 5907A; 5912A; 5915B; 5919A,B; 5922A; 5923A,B; 5924B; 5927C; 5932B; 6001AM,AN; 6006A; 6008A; 6016B1; 6021A; 6101A; 6109B; 6111B; 6201; 6202.5; 6205D1; 6307; 6320A; 6322.5; 6403AF; 6406C; 6427A,B; 6707.
 7-PO (off south of Fletcher Bay): 5229A,C,D; 5413B; 5801B; 6016B4; 6118C.
 1-PO (off Seabold to off Manzanita): 5236B.
 1-PO (buoy N6 to N4): 6617B.
 28-PO (most probably off Fletcher Bay): 6002A; 6007A,B; 6009A; 6214; 6419; 6515.5; 6711C; 6713E; 6716.5; 6801; 6821.5F; 6715; 6916D,H; 7011A,B,C; 7020; 7104-1,2; 7107A,B; 7105-1,2; 7302A,B; 7313X.
 1-PO (Brownsville to Point White): 6806A.
 14-S (off Golden Gardens to Meadow Point): 492D; 494F; 4910A; 5014C; 5119G,H; 5126A; 5129A; 5314A; 5416B; 5920E,F; 5931A; 6114A.
 3-S (beach seine: Golden Gardens to Meadow Point): 492E; 6319; 6518B.
 4-S (off Meadow Point to Carkeek Park): 5212D; 5915C,D; 6414C.
 1-S (off Alki Point toward Duwamish Head): 5603A.
 2-S (off north of Carkeek Park): 6206C; 6414E.
 2-S (Carkeek to Richmond Beach): 6719A,D.
 3-S (off West Point sewer outfall): 6718-1,2,5.
 1-S (Golden Gardens): 6311F.
 20-SS (off Glen Cove to west of Raft and Cutts Islands): 5009J; 5037C; 5045K; 5101B; 5102A; 5104J,Q,Z; 5115F; 5126C; 5204B,C,D,E,K,L; 5213D; 5613A,D,F.
 3-SS (mouth of Carr Inlet, southwest of Green Point): 5037A; 5104R,T.
 3-SS (off Minter Creek to Elgin) 5045G; 5126D,F; 5135A; 5213F; 5104V.
 1-SS (mouth of Carr Inlet, Gibson Point to Gertrude Island): 5046D.
 2-SS (Carr Inlet, off Wauna and south): 5104E,G.
 1-SS (northwest end of Nisqually Reach): 5126J.
 1-SS (west of Ketron Island): 5126K.
 1-SS (between Fox and Day Islands towing toward Toliva Shoal): 5201E.
 1-SS (Carr Inlet, north of Home to Horsehead Bay Spit): 5201I.

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- 4-SS (Carr Inlet):
5605A,B; 5703C,D.
2-SS (Carr Inlet mid-channel Glen
Cove to Green Point): 6724B-1,3.

Miscellaneous Logs

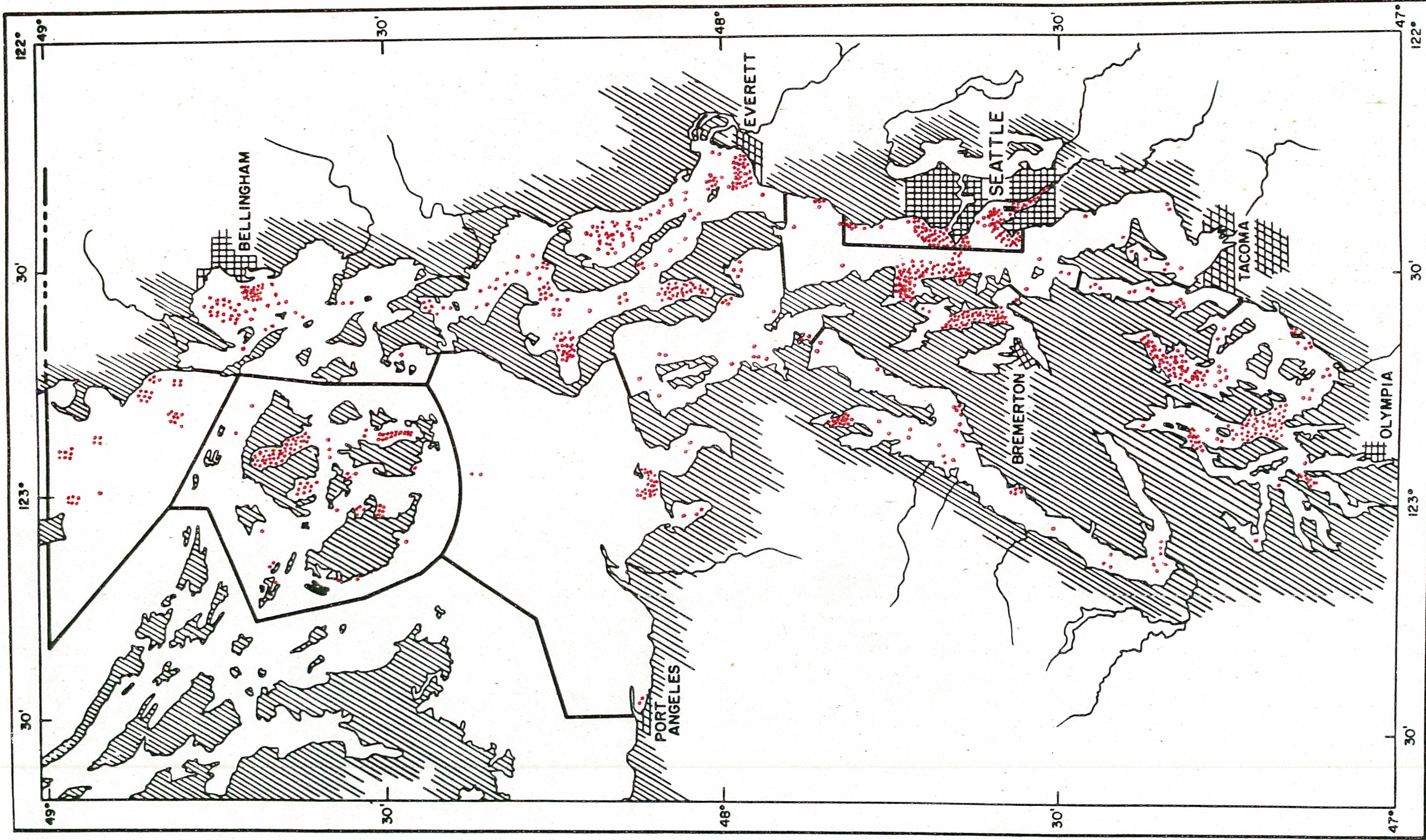
- 10+-S (Elliott Bay):
WSDF, Sport Fish., 1965-70.
5-HC: WSDF, Sport Fish., 1965-70.
10-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
50+-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
23-PO (narrows, just south of
Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
5-S (Golden Gardens to Meadow
Point):
U.W. Ocean., Hoh, 1963-67.
16-PO (south and north of Fletcher
Bay): U.W. Ocean., Hoh, 1963-67.
2-HC (Lynch Cove):
U.W. Ocean., Hoh, 1963-67.
1-HC (Seabeck):
U.W. Ocean., Hoh, 1963-67.
8-SS (Case Inlet, off Taylor Bay to
off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
14-SS (Carr Inlet, off Horsehead
Bay): U.W. Ocean., Hoh, 1963-67.
24-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
30-E (Port Susan):
U.W. Ocean., Hoh, 1963-67.
16-E (Port Gardner Bay):
U.W. Ocean., Hoh, 1963-67.
7-E (Penn Cove):
U.W. Ocean., Hoh, 1963-67.
15-E (Saratoga Pass., Demock Point):
U.W. Ocean., Hoh, 1963-67.
2-E (northwest of Brown Point):
U.W. Ocean., Hoh, 1963-67.
7-E (Holmes Harbor):
U.W. Ocean., Hoh, 1963-67.
2-CS (south of Possession Point):
U.W. Ocean., Commando, 1968.
3-CS (off Skiff Point):
U.W. Ocean., Commando, 1968.
2-SS (Case Inlet off Taylor Bay to
off Whiteman Cove):
U.W. Ocean., Commando, 1968.
5-HC (near Seabeck):
U.W. Ocean., Commando, 1968.
4-E (Port Susan):
U.W. Ocean., Commando, 1968.
50+-CS (Skiff Point to Point
Jefferson): U.W. Ocean., herring
trawl, 1968-69.
1-S (Elliott Bay): U.W. Ocean.,
herring trawl, 1968-69.
50+-SS (mouth of Carr Inlet): U.W.
Ocean., herring trawl, 1968-69.
50+-E (Port Susan): U.W. Ocean.,
herring trawl, 1968-69.
9-PO (south of Fletcher Bay): U.W.
Ocean., herring trawl, 1968-69.
2-E (Penn Cove):
U.W. Ocean., Hoh, S.J., 1966.
1-E (Utsalady):
U.W. Ocean., Hoh, S.J., 1966.
2-E (Port Gardner Bay):
U.W. Ocean., Hoh, S.J., 1966.
10-JF (Protection Island): WSDF,
groundfish trawl, through 1970.
2-JF (Discovery Bay): WSDF,
groundfish trawl, through 1970.
1-E (Holmes Harbor): WSDF,
groundfish trawl, through 1970.
1-AI (Oak Bay): WSDF, groundfish
trawl, through 1970.
1-HC (near the Great Bend):
Al Millikan, personal
communication, 1972.
2-SS (Carr Inlet): Al Millikan,
personal communication, 1972.
50+-E (spawning ground: Port Susan):
Al Millikan, personal
communication, 1972.
1-E (Holmes Harbor): WSDF,
Commercial Catch Comp., 1969-70.
1-E (Carr Inlet): WSDF, Commercial
Catch Comp., 1969-70.
4-SS (Carr Inlet): NMFS, Cobb-68.
1-CS (Poverty Bay): NMFS, Cobb-68.
1-E (Between Whidbey and Gedney
Islands): NMFS, Cobb-68.
3-E (Saratoga Pass.):
NMFS, Cobb-68.
3-E (Holmes Harbor): NMFS, Cobb-68.
2-PO (south of Fletcher Bay):
NMFS, Cobb-68.
2-HC (outside Dabob Bay; off Ayoc
Point): NMFS, Cobb-68.
2-E (Holmes Harbor): NMFS, Cobb-70.
2-E (Saratoga Pass., north of Holmes
Harbor): NMFS, Cobb-71.
1-CS (West Point to Port Madison):
NMFS, Cobb-71.
2-CS (northwest of Edmonds; off
Norm Beach): NMFS, Cobb-71.
1-CS (southeast of Port Madison):
NMFS, Cobb-71.
2-HC (off Hoodspoint; north of
Lilliwaup): NMFS, Cobb-71.
1-S (off Richmond Beach):
NMFS, Cobb-71.
1-SS (Henderson Bay, off north of
Glen Cove): NMFS, Cobb-72.
1-CS (Port Madison): NMFS, Cobb-72.
1-CS (off Skiff Point):
NMFS, Cobb-78.
3-E (Port Susan): NMFS, Cobb-78.
1-E (off Everett): NMFS, Cobb-78.
1-HC (north of Seabeck Bay):
NMFS, Cobb-78.
4-E (Holmes Harbor): NMFS, Cobb-91.
5-E (north end Saratoga Pass.):
NMFS, Cobb-91.

Merluccius productus

Gadidae

Miscellaneous Logs

- 1-S (off Golden Gardens):
NMFS, Cobb-75.
- 2-SS (Carr Inlet; Case Inlet):
NMFS, Cobb-75.
- 3-E (Everett Harbor):
NMFS, Cobb, 1/20/61.
- 1-E (Saratoga Pass.):
NMFS, Cobb, 1/20/61.
- 2-S (Meadow Point to Golden Gardens
to Carkeek Park): NIH, 1968-71.
- 12-CS (Port Madison):
Van Cleve, trap, 1961-65.
- 2-SS (entrance to Eld Inlet):
Van Cleve, trap, 1961-65.
- 7-E (Holmes Harbor):
Van Cleve, trap, 1961-65.
- 6-E (Saratoga Pass, west side just
south of Penn Cove):
Van Cleve, trap, 1961-65.
- 2-GS (tow area 1: Boundary Bay
entrance):
WSDF, Gulf Georgia, 1969-71.
- 3-GS (tow area 2: off Birch Bay):
WSDF, Gulf Georgia, 1969-71.
- 2-GS (tow area 3: off Cherry Point):
WSDF, Gulf Georgia, 1969-71.
- 1-S (beach seine: Golden Gardens):
Sea Grant, 72023.
- 1-GS (tow area 5: north of Alden
Bank):
WSDF, Gulf Georgia, 1969-71.
- 2-GS (tow area 6: southeast of Point
Roberts):
WSDF, Gulf Georgia, 1969-71.
- 1-CS (south of Possession Point):
NMFS, Cobb, 2/28/73.
- 1-HC (off Big Beef Harbor):
Sea Grant, 72026.
- 1-E (east and northeast of Gedney
Island):
NMFS, Streeter, 2/21/73.
- 1-PO (off south of Fletcher Bay):
Sea Grant, 73008.
- 10-HC (mid-channel, off Union):
Sea Grant, 1973-74.
- 11-HC (mid-channel off Skokomish
River delta):
Sea Grant, 1973-74.
- 3-B (Bellingham Bay): Bill High,
personal communication, 12/9/63.
- 1-AI: Bill High, personal
communication, 12/9/63.
- 1-GS (Cherry Point): Bill High,
personal communication, 12/30/66.



Microgadus proximus

Gadidae

Published Records

- 1-JF (beach seine: Port Angeles):
Gilbert, 1895.
- 1-AI (Port Ludlow): Starks, 1896b.
- 3-AI (Port Ludlow, near Colvos
Rocks): Evermann and
Goldsborough, 1907 (as corrected
by Schultz and Welander, 1935).
- 1-S (Seattle):
Evermann and Goldsborough, 1907.
- 1-SJ: Starks, 1911.
- 2-GS: Smith, 1936.
- 7-B (Bellingham Bay):
Smith, 1936 (also museum 4571).
- 5-E (Coupeville) Smith, 1936.
- 1-JF (Sequim Bay): Smith, 1936.
- 1-SS (Hale Pass.): Smith, 1936.
- 2-SS (Carr Inlet; Dofflemeyer
Point): Smith, 1937.
- 1-E (Camano Head): Smith, 1937.
- 2-HC (Hoodsport): Smith, 1937.
- 1-HC (Skokomish Flats):
Smith, 1937.
- 2-E (Skagit and Similk Bays):
Stober and Salo, 1970b.
- 4-E (Similk Bay):
Stober and Salo, 1970a.
- 3-E Skagit Bay):
Stober and Salo, 1970a.
- 10-S (Duwamish River estuary):
Salo, 1969.
- 19-S (Duwamish Head): Salo, 1969.
- 17-E (Port Gardner Bay):
Salo, 1969.
- 5-E (Skagit Bay): Salo, 1969.
- 6-E (between Kiki Island and
Strawberry Point):
Stober and Salo, 1970b.
- 1-B (Bellingham Bay):
DiDonato, 1969.
- 1-B (Bellingham Bay, north of Eliza
Island, townet): Tyler, 1964.
- 1-CS (beach seine: south side of
Jefferson Point): Kendall, 1966.
- 2-HC (Anderson Cove): Chew, 1970.
- 1-HC (Fyke net in Big Beef Harbor):
Anderson and Chew, 1972.
- University of Washington
Museum Collection
- 1-HC (opposite Hoodsport):
5784 (also boat 499F).
- 1-SJ (Davis Bay): 606.
- 5-S (Alki Point):
759; 825; 4240; 4390; 4901.
- 1-SJ (Brown Island): 1117.
- 1-SJ (Waldron Island): 1502.
- 1-SJ (West Sound): 2239.
- 7-SJ (East Sound):
2283; 17059 (also Friday Harbor
Log 6/20/63); 17134; 18675;
18676; 19452; 19564.
- 1-SJ (mid East Sound): 18674 (also
Friday Harbor Log 6/5/64).
- 1-E (Camano Head, Saratoga Pass.):
2533.
- 1-E (east of Gedney Island): 2568.
- 1-E (Saratoga Pass., Sandy Point):
2659 1/2.
- 1-SJ: 3538.
- 1-E (Tulalip): 3667.
- 1-B (Bellingham Bay): 4241.
- 2-S (south of West Point):
4369; 4405.
- 1-S (off Ballard Locks): 4376.
- 2-AI (Useless Bay): 4413; 4576.
- 2-AI (Bywater Bay): 4436; 14651.
- 1-S (beach seine: Alki Point):
4515.
- 5-S (Edmonds Beach):
4592; 5446; 5469; 5491; 10334.
- 1-CS (beach seine: Redondo Beach):
4744.
- 1-B (Bellingham Bay): 4954.
- 1-SS (Carr Inlet): 5023.
- 1-SS (northwest end Nisqually
Reach):
5684 (also boat 7/20/49-5).
- 1-CS (off Port Madison):
5728 (also boat 497B).
- 1-SJ (north East Sound):
5759 (also boat 491M).
- 1-SS (Case Inlet, west of Herron
Island): 5816 (also boat 5009G).
- 1-SJ (south of Spencer Spit):
6037 (also boat 5033P).
- 1-B (east northeast of Vendovi
Island): 6040.
- 1-SJ (beach seine: Friday Harbor):
6221.
- 1-SS (Nisqually Reach): 8294.
- 4-S (off Golden Gardens):
5685 (also boat 491A); 5841 (also
boat 496C); 5729 (also boat
497E); 6156.
- 7-S (beach seine: Golden Gardens to
Meadow Point): 5773 (also boat
5001); 5911 (also boat 5032.1C);
5795 (also boat 5036A); 8293
(also boat 492E); 15349 (also
boat 5129B); 15350; 16492.
- 2-S (Edmonds) 4937; 5492.
- 1-CS (Redondo Beach): 4965.
- 1-S (Edwards Point to Point Wells):
4981 and 4989.
- 3-S (Carkeek Park):
5555; 5563; 5677.
- 1-S (Richmond Beach): 5583.
- 1-S (Golden Gardens): 5729.
- 1-S (beach seine: Carkeek Park):
15348.
- 1-SS (Hale Pass., off Cromwell):
15352 (also boat 5046B).
- 1-B (Saddlebag Island): 16690.
- 1-PO (off Fletcher Bay):
17121 (also boat 6406C).
- Friday Harbor Laboratory Log
- 1-B (south of Eliza Island):
8/8/55-1.
- 1-B (off Inati Bay): 8/8/55-2.

Microgadus proximus

Gadidae

Friday Harbor Laboratory Log

- 1-B (off Reil Harbor): 7/26/51-1.
 1-SJ (south of Orcas Island):
 6/24/52.
 2-SJ (Lopez Sound and East Sound):
 7/1/52; 7/11/63.
 1-SJ (Reid Harbor, Stuart Island):
 7/9/52-2 (also boat 5220H).
 7-SJ (West Sound):
 7/9/52-3 (also boat 5220I);
 7/26/60-2; 8/13/60-2; 6/26/61;
 6/27/63-B; 6/20/69-2; 7/6/71-2.
 7-SJ (East Sound): 8/11/52;
 7/6/60-2; 7/26/60-1; 8/13/60-1;
 6/20/61; 5/11/62; 7/6/71-1.
 2-SJ (north side Johns Island,
 second bay): 8/19/52-1,2.
 5-SJ (Lopez Sound):
 7/28/55-1; 6/16/61; 7/13/60;
 6/24/67; 7/8/69-2.
 3-SJ (Squaw Bay):
 8/1/55; 8/1/60-1; 7/10/61-1.
 1-SJ (Brown Island): 8/2/55.
 1-SJ (Upright Channel, Odlin Park):
 8/1/55.
 2-JF (west of McArthur Bank):
 8/3/55-1; 7/8/59-1.
 1-SJ (Trump Island to Decatur Head):
 8/11/55-2.
 1-SJ (outside False Bay):
 8/17/55-2.
 1-SJ (south of Neck Point):
 8/14/50-1.
 1-SJ (north of Hunter Bay):
 6/19/50-5 (also boat 5033G).
 1-SJ (West Sound and Lopez Sound):
 6/27/60.
 1-SJ (Upright Head to Olga):
 8/1/60-2.
 6-SJ (Argyle Bay): 8/11/60-3,4;
 7/12/61-3,4; 7/15/63; 7/10/69-4.
 1-SJ (Mitchell Bay): 8/16/60-1.
 2-SJ (North Bay): 8/18/60-1,2.
 1-SJ (Smallpox Bay): 7/13/61.
 5-SJ (mid East Sound):
 1/17/64; 2/21/64; 4/3/64;
 7/11/64; 6/20/69-1.
 1-SJ (Friday Harbor Lab night
 light): 1969.
 1-SJ (lower East Sound): 6/26/73-1.
 1-SJ (Upright Head to Foster Point):
 6/26/73-2.

University of Washington Boat Log

- 1-GS (north of Alden Bank): 491G.
 2-SJ (south end of Lopez Sound):
 491P; 5033R.
 1-SJ (East Sound): 5033M.
 1-SJ (between Puffin Island and
 Orcas Island): 491E.
 1-SJ (off Raccoon Point toward
 Barnes Island): 491F.
 1-SJ (Lopez Sound, south of Spencer
 Spit): 5033P.
 15-SJ (training cruise area: East
 Sound, north of Rosario Point):
 6603H; 6614H; 6620H; 6630H;
 6717H; 6722H; 6815H; 6819H;
 6908H; 6914H; 7010H; 7017H;
 7118H; 7307H; 7313H.
 3-SJ (training cruise area: Lopez
 Sound, southwest of Center
 Island): 7017I; 7118I; 7307I.
 1-B (Hale Pass.): 491I.
 1-B (east of Point Frances): 491J.
 1-B (east of Burrows Island):
 50335.
 2-B (Bellingham Bay): 6715G, 6822G.
 20-B (training cruise area:
 Bellingham Bay, southwest of Post
 Point): 6507G9; 6517G; 6603G;
 6614G; 6620G; 6630G; 6717G;
 6722G; 6815G; 6819G; 6822G;
 6826G; 6908G; 6914G; 7010G;
 7017G,G.1; 7118G; 7307G; 7313G.
 1-E (Port Susan, off Spee-Bi-Dah):
 5023D.
 1-E (off Mission Beach): 5023F.
 1-E (Penn Cove mouth, off Long Point
 to off Snatelum Point): 5213A.
 2-E (off Coupeville to off Lovejoy
 Point): 5213B,C.
 10-E (Holmes Harbor, south of
 Classic): 5234E; 5305G; 5307F,U;
 5312B,E,L,N; 5316E; 5501C.
 4-E (Holmes Harbor, south of Dines
 Point to off Classic):
 5305C; 5312F; 5405G; 5501D.
 3-E (mouth of Holmes Harbor, off
 Rocky Point to off Dines Point):
 5307K,R; 5312I.
 3-E (Penn Cove):
 5405K; 5522G; 5810H.
 10-E (Holmes Harbor):
 5305M; 5327A,B; 5405D; 5418B;
 5522D; 5604G; 56130,Q; 5703E.
 2-E (Saratoga Pass.):
 6801.5; 6810B.
 4-E (Saratoga Pass., Onamac Point to
 Indian Beach): 5405L,M,N; 5418L.
 1-E (off Mukilteo): 5604C.
 1-E (Everett area): 5712B.
 1-E (Saratoga Pass., Snatelum Point
 to Onamac Point): 5712C.
 11-E (training cruise area: east of
 Gedney Island):
 6517C; 6620C; 6630C; 6815C;
 6819C; 6826C; 6908C; 7010C;
 7017C; 7118C; 7213C.
 1-E (training cruise area: Saratoga
 Pass., north of Langley): 6630D.
 4-E (training cruise area: off Penn
 Cove):
 6826E; 7010E; 7110E; 7118E.
 2-E (Elger Bay): 7112K,L.
 2-E (Port Susan, north of Kayak
 Point to Tulalip): 7112.
 1-AI (Oak Bay, north of Olele
 Point): 5009C.

Microgadus proximus

Gadidae

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- 2-AI (training cruise area: east of north Marrowstone Island): 6603J; 6630J.
- 1-HC (off Shine to off Sisters buoy): 499C.
- 4-HC (Dabob Bay): 6202A,C,F; 7102Q.
- 18-HC (Dabob Bay, Broad to Long Spit): 6702D,F; 6804F; 6902A; 6503A,B; 7003A,C,F,G,H; 7202D,H,I; 7303B,C,D,F.
- 1-HC (just south of floating bridge): 7112D.
- 1-HC (west of Seabeck Bay): 6902J.
- 3-HC (off Pleasant Harbor): 6902K; 7003I,J.
- 2-HC (Anderson Cove): 7009B,D.
- 1-CS (northeast of Apple Cove Point): 5009A.
- 1-CS (head of Quartermaster Harbor): 5042B.
- 1-CS (mid Quartermaster Harbor): 5042D.
- 5-CS (Port Madison): 5043A; 5122A; 5132D; 5812A; 6204B.
- 2-CS (off Port Madison): 5043B,C.
- 1-CS (Tramp Harbor): 5104A.
- 2-CS (mouth of Quartermaster Harbor): 5104B; 5115H.
- 1-CS (east of Blake Island): 5115I.
- 2-CS (Port Madison off Agate Pass.): 5310.2F; 5317C.
- 4-CS (east of Point Monroe): 5805C; 5813A,B,C.
- 4-CS (training cruise area: mid-channel Skiff Point to West Point): 7017B; 7118B; 7213B; 7313B.
- 27-CS (Murden Cove): 6610B,C; 6616; 6710A,B2,C2,D2; 6713D,G,H; 6801B; 6806B; 6809A; 6812D,E; 6818B; 6819X; 6821.5G; 6823-1,2; 6906D,E; 6912; 7008A; 3-7108.
- 3-CS (off West Point): 6626B; 6627B; 7017Y.
- 1-CS (Manchester): 6618.
- 2-CS (Vashon Island, off Sylvan Beach): 6703A,B.
- 1-CS (Vashon Island, east of Neill Point): 6703C.
- 2-PO (between buoy N4 and N6): 5131A; 5310.5J.
- 53-PO (off Fletcher Bay to south of Battle Point and Brownsville): 5206B; 5207D; 5223B; 5228F; 5230F; 5232C; 5235P; 5236E; 5301A,B; 5310.3B,.5G; 5317A,B; 5402X; 5523A,B; 5615A; 5707B,G,H; 5709C; 5711A; 5809A; 5915B; 5923B; 5924B; 6001AM,AN; 6006A; 6008A; 6016B1,A2,B2,B3,A4,B5; 6101A; 6111B; 6201; 6205D1,D3; 6317; 6320A,B; 6322.5; 6403AF; 6425-1A,2A; 6427A,B; 6507K; 6707.
- 2-PO (between "B-2" and "B-1"): 5301C; 6205C3.
- 7-PO (off south of Fletcher Bay): 5413C,D; 5801A,C; 6016B4; 6118A; 6119J.
- 2-PO (beach seine: 1 mile north of Illahee Dock): 6205A3.1,.2.
- 23-PO (most probably off Fletcher Bay): 5926A; 6002A; 6203C; 6204A; 6214; 6515-2; 6711B; 6713A,B,E,F; 6715; 6821.5F; 6916H; 7011A,B; 7020; 7104-2; 7105-1,2; 7107; 7302A; 7313X.
- 1-PO (Brownsville to White Point): 6806A.
- 45-S (off Golden Gardens to Meadow Point): 493B; 494C,E; 496B; 498B; 5008C; 5009L; 5017C,D; 5028A,C; 5029E; 5033A; 5034; 5110B,D; 5112A,B,C; 5119G,H; 5126A; 5127A; 5129C,D; 5131C; 5132A; 5203D; 5314A,C; 5329C; 5408B; 5516C; 5702AN; 5704E; 5707J,K; 5907D; 5920E,F; 5924C; 6010A; 6112B; 6114A,B.
- 17-S (off Meadow Point to Carkeek): 5020A; 5039B; 5041B; 5119A; 5203A; 5211B,C; 5212D,E,F; 5606A; 5915D; 6506C; 6510B; 7119A; 7120A,B.
- 1-S (Elliott Bay, off Four-Mile Rock to Pier 91): 5027C.
- 2-S (southwest of West Point to off Four-Mile Rock): 5027D; 6806C.
- 39-S (beach seine: Golden Gardens to Meadow Point): 5007D; 5015A; 5047A,B,C; 5105A; 5114A; 5127C; 5134A; 5137A,B; 5209C,D; 5320A; 5404A; 54150,P; 5424A,B; 5505D,E,F; 5508C,D; 5510E,F; 5513C,D; 5514C,D; 5710B; 5920M,N,O; 6311A,E,F; 6319; 6518A.
- 6-S (beach seine: Carkeek Park): 5221A,B,C; 5225A,B; 5231A.
- 1-S (off Alki Point toward Duwamish Head): 5702AM.
- 1-S (off north of Carkeek Park): 6206C.
- 7-S (beach seine: Alki Point to Duwamish Head): 6619.
- 1-S (training cruise area: south of West Point): 6819A.
- 1-S (Golden Gardens): 6511E.
- 1-S (off West Point): 6721A-2.
- 1-CP (south off Point Sandford): 7/18/49-1.
- 1-CP (west side south of Command Point): 5133P.
- 2-CP (off Cove): 5046A; 5133Q.
- 2-CP (off Camp Sealth): 5104CC,DD.
- 1-CP (off Cove to Fragaria): 5135E.
- 1-CP (off Paradise Cove to Point Sandford): 5126N.
- 1-SS (north end Pickering Pass. to off McLane Cove): 5009H.
- 2-SS (northwest end of Nisqually Reach): 5009I; 5126J.

Microgadus proximus

Gadidae

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- 23-SS (off Glen Cove to Raft and Cutts Islands): 5009J; 5045A,B,K; 5101B; 5102B; 5104K,L,M,N,O,P,Y,Z,AA; 5115F; 5126M; 5213D; 5227B; 5613A,B,C,G.
- 1-SS (beach seine: Carr Inlet, west side of Cutts Island): 5037E.
- 20-SS (off Minter Creek to Elgin): 5037H; 5045G,̄; 5046C; 5101C 5102C; 5104D,I,V,X; 5107A; 5126F; 5135A,C,D; 5213F; 5227D,E,G,I.
- 8-SS (Carr Inlet, off Wauna and south): 5037I; 5101A; 5104F,G,W; 5126L; 5227A,C.
- 1-SS (Carr Inlet, off north of Home to off Horsehead Bay Spit): 5104R.
- 1-SS (mouth of Carr Inlet, southwest of Green Point): 5104T.
- 1-SS (Oakland Bay, off Shelton): 5115B.
- 1-SS (Totten Inlet, Windy Point to Steamboat Island): 5115D.
- 1-SS (Eld Inlet, 1 mile northeast of Flapjack Point): 5115E.
- 1-SS (Case Inlet, off Victor): 5126G.
- 2-SS (Case Inlet, west of Herron Island): 5126H; 6724C.
- 1-SS (west of Ketron Island): 5126K.
- 3-SS (Carr Inlet): 5522C; 5605B; 5703D.
- 3-SS (Carr Inlet, Glen Cove to Green Point): 6724E-1,2,3.

Miscellaneous Logs

- 1-SJ (East Sound): DeLacy Log, 6/20/69.
- 2-S (beach seine: Duwamish River estuary): Metro, 1963-70.
- 5-S (trawl: Duwamish River estuary): Metro, 1966-70.
- 2-E (sport catch: Skagit and Similk Bays): WSDF, Sport Fish., 1965-70.
- 3-S (Elliott Bay): WSDF, Sport Fish., 1965-70.
- 1-SS: WSDF, Sport Fish., 1965-70.
- 50+-S (Duwamish Head to Alki Point): U.W. Ocean., 1964-67.
- 50+-E (Port Gardner Bay): U.W. Ocean., F.G., 1962-67.
- 256-PO (narrows, just south of Fletcher Bay): U.W. Ocean., F.O., 1964-65.
- 50+-S (Golden Gardens): U.W. Ocean., Hoh, 1963-67.
- 50+-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
- 2-HC (Seabeck): U.W. Ocean., Hoh, 1963-67.
- 1-SS (Nisqually Flats): U.W. Ocean., Hoh, 1963-67.
- 50+-SS (Case Inlet, off Taylor Bay to off Whiteman Cove): U.W. Ocean., Hoh, 1963-67.
- 9-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
- 47-CS (Port Madison): U.W. Ocean., Hoh, 1963-68.
- 24-E (Port Gardner Bay): U.W. Ocean., Hoh, 1963-67.
- 28-E (Port Susan): U.W. Ocean., Hoh, 1963-67.
- 6-E (Penn Cove): U.W. Ocean., Hoh, 1963-67.
- 2-E (Saratoga Pass., Demock Point): U.W. Ocean., Hoh, 1963-67.
- 9-E (northeast of Rocky Point): U.W. Ocean., Hoh, 1963-67.
- 1-SS (Case Inlet, off Taylor Bay to off Whiteman Cove): U.W. Ocean., Commando, 1968.
- 21-CS (herring trawl: Skiff Point to Point Jefferson): U.W. Ocean., 1968-69.
- 1-S (herring trawl: Golden Gardens): U.W. Ocean., 1968-69.
- 3-SS (herring trawl: mouth of Carr Inlet): U.W. Ocean., 1968-69.
- 1-E (herring trawl: Port Susan): U.W. Ocean., 1968-69.
- 8-PO (herring trawl: south of Fletcher Bay): U.W. Ocean., 1968-69.
- 3-AI (Useless Bay; Port Townsend Bay; Skunk Bay): U.W. Ocean., Hoh, S.J., 1966.
- 2-JF (Discovery Bay): U.W. Ocean., Hoh, S.J., 1966.
- 1-B (Padilla Bay, near William Point): U.W. Ocean., Hoh, S.J., 1966.
- 1-SJ (West Sound): U.W. Ocean., Hoh, S.J., 1966.
- 6-SJ (East Sound): U.W. Ocean., Hoh, S.J., 1966.
- 7-E (Penn Cove): U.W. Ocean., Hoh, S.J., 1966.
- 4-E (Utsalady): U.W. Ocean., Hoh, S.J., 1966.
- 3-E (Port Susan): U.W. Ocean., Hoh, S.J., 1966.
- 2-E (Port Gardner Bay): U.W. Ocean., Hoh, S.J., 1966.
- 2-E (Holmes Harbor): U.W. Ocean., Hoh, S.J., 1966.
- 1-AI (Useless Bay): WSDF, groundfish trawl, through 1970.
- 8-B (Bellingham Bay): WSDF, groundfish trawl, through 1970.
- 1-E (Holmes Harbor): WSDF, Commercial Catch Comp., 1969-70.
- 1-SS (Carr Inlet): WSDF, Commercial Catch Comp., 1969-70.
- 3-SS (Case Inlet): WSDF, Commercial Catch Comp., 1969-70.

Microgadus proximus

Gadidae

Miscellaneous Logs

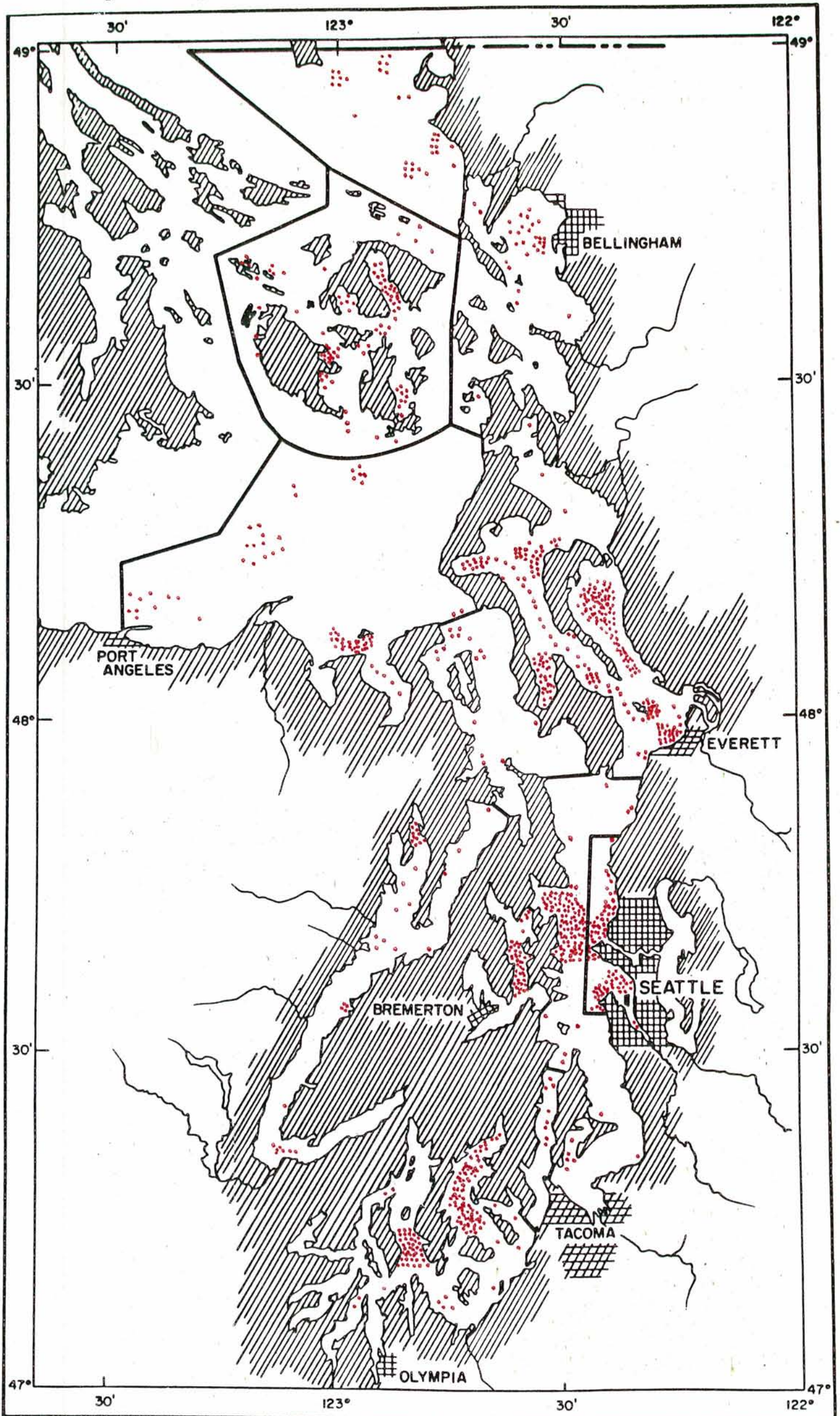
- 1-AI (east of Port Townsend):
NMFS, Cobb-35.
- 4-PO (south of Fletcher Bay):
NMFS, Cobb-68.
- 2-HC (outside Dabob Bay; off Ayock Point): NMFS, Cobb-68.
- 1-B (Bellingham Bay near Eliza Island): NMFS, Cobb-68.
- 1-E (Saratoga Pass., north of Holmes Harbor): NMFS, Cobb-71.
- 1-CS (West Point to Port Madison):
NMFS, Cobb-71.
- 1-CS (northwest of Edmonds):
NMFS, Cobb-71.
- 1-SS (Case Inlet): NMFS, Cobb-75.
- 2-E (Everett Harbor):
NMFS, Cobb, 1/20/61.
- 1-E (Elger Bay):
NMFS, Cobb, 1/20/61.
- 19-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
- 2-SJ (East Sound): NIH, 1968-71.
- 4-B (Bellingham Bay): NIH, 1968-71.
- 13-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
- 1-S (Duwamish Head to Alki Point):
NIH, 1968-71.
- 1-PO (Clam Bay): NIH, 1968-71.
- 1-HC (Big Beef Harbor): NIH, 69042.
- 1-SS (Case Inlet, Stretch Island to Herron Island): NIH, 1968-71.
- 6-CS (Port Madison):
Van Cleve, trap, 1961-65.
- 3-PO (off Fletcher Bay):
Van Cleve, trap, 1961-65.
- 14-SS (Eld Inlet entrance):
Van Cleve, trap, 1961-65.
- 1-E (Holmes Harbor):
Van Cleve, trap, 1961-65.
- 2-JF (beach seine: Port Angeles embayment):
Peninsula College, 1971.
- 2-JF (lower Sequim Bay):
Sea Grant, 71111.
- 7-GS (tow area 1: Boundary Bay entrance):
WSDF, Gulf Georgia, 1969-71.
- 4-GS (tow area 2: off Birch Bay):
WSDF, Gulf Georgia, 1969-71.
- 8-GS (tow area 3: off Cherry Point):
WSDF, Gulf Georgia, 1969-71.
- 4-GS (tow area 4: off north of Neptune Beach):
WSDF, Gulf Georgia, 1969-71.
- 8-GS (tow area 5: north of Alden Bank):
WSDF, Gulf Georgia, 1969-71.
- 6-GS (tow area 6: southeast of Point Roberts):
WSDF, Gulf Georgia, 1969-71.
- 1-GS (tow area 7: mid-channel):
WSDF, Gulf Georgia, 1969-71.
- 1-SJ (Argyle Bay): Bruce Miller, Diving Log, 7/20/66.
- 20-JF (west of Protection Island):
NMFS, Cobb, 2/28/73.
- 1-CS (south of Possession Point):
NMFS, Cobb, 2/28/73.
- 4-CP (beach seine: Gig Harbor Spit):
Sea Grant, 72003 (also boat 7208).
- 5-SS (Cormorant Pass.):
Sea Grant, 73060, 73059.
- 2-CP (otter trawl: off Gig Harbor Spit): Sea Grant, 72003 (also boat 7208).
- 2-GS (off south of Cherry Point):
Sea Grant, 72009.
- 3-S (Duwamish estuary):
Sea Grant, 72010.
- 1-B (north Bellingham Bay):
Sea Grant, 72004.
- 1-CS (beach seine: Seahurst Park):
Sea Grant, 72013.
- 1-AI (beach seine: Mutiny Bay):
Sea Grant, 72014.
- 3-GS (south off Cherry Point):
Sea Grant, 72019.
- 1-S (beach seine: Golden Gardens):
Sea Grant, 72023.
- 4-S (Duwamish estuary):
Sea Grant, 72024.
- 1-CP (off Gig Harbor Spit):
Sea Grant, 72025.
- 1-HC (off Big Beef Harbor):
Sea Grant, 72026.
- 4-S (beach seine: Golden Gardens):
Sea Grant, 72027.
- 6-S (beach seine: Golden Gardens):
Sea Grant 72032.
- 3-AI (Mutiny Bay):
Sea Grant, 73049.
- 1-AI (beach seine: Mutiny Bay launch ramp): Sea Grant, 72033.
- 3-B (Bellingham Bay, off Nooksack estuary): Sea Grant, 72035.
- 17-S (beach seine: north side of West Point): Sea Grant, 1973.
- 7-S (beach seine: south side of West Point): Sea Grant, 1973.
- 4-CS (beach seine: Meadowdale at Lunds Gulch): Sea Grant, 1973.
- 14-S (off northwest side of West Point): Sea Grant, 1973.
- 8-S (off southwest side of West Point): Sea Grant, 1973.
- 1-S (deep trawl: off West Point):
Sea Grant, 1973.
- 7-S (north of Meadow Point to Carkeek Park): Sea Grant, 1973.
- 5-S (southwest of Alki Point):
Sea Grant, 1973.
- 9-S (deep otter trawl: off southwest of Alki Point): Sea Grant, 1973.
- 4-PO (off south of Fletcher Bay):
Sea Grant, 73008.
- 1-HC (beach seine: north of Vinland,
Sea Grant, 73038.

Microgadus proximus

Gadidae

Miscellaneous Log

- 2-S (Duwamish estuary, between 1st and 16th Ave. S. bridges):
Sea Grant, 1973.
- 1-S (Duwamish estuary, downstream from 1st Ave. S. bridge):
Sea Grant, 1973.
- 1-SS (off Nisqually River-McAllister Creek Delta): Sea Grant, 1973.
- 1-HC (off southwest of Big Beef Harbor): Sea Grant, 1973.
- 4-B (Bellingham Bay, off Nooksack River Delta): Sea Grant, 73032.
- 1-SS (McLane Cove toward Stretch Island): Sea Grant, 1973.
- 13-SS (mid-channel, McLane Cove to Stretch Island):
Sea Grant, 1973-74.
- 3-HC (off Union): Sea Grant, 1973.
- 3-HC (mid-channel, off Union):
Sea Grant, 1973-74.
- 1-HC (off Skokomish River Delta):
Sea Grant, 1973.
- 2-HC (mid-channel, off Skokomish River Delta):
Sea Grant, 1973-74.
- 3-SS (Tatsolo Point):
Sea Grant, 73059.



Theragra chalcogramma

Gadidae

Published Records

- 1-S (Seattle):
Jordan and Gilbert, 1882.
1-SJ: Starks, 1911.
2-JF (mid Point Wilson to Admiralty Head):
Evermann and Goldsborough, 1907.
2-AI (Port Ludlow, north of Tala Point): Evermann and Goldsborough, 1907 (as corrected by Schultz and Welander, 1935).
2-GS (large area): Smith, 1936.
2-B (Bellingham Bay): Smith, 1936.
2-E (Coupeville): Smith, 1936.
2-E (Gedney Island): Smith, 1937.
5-JF (north of Dungeness Spit, large area near border): Greenwood, 1957 (also NMFS, Cobb-25).
2-E (Skagit and Similk Bays):
Stober and Salo, 1970b.
9-S (Duwamish Head): Salo, 1969.
2-E (Port Gardner Bay): Salo, 1969.
1-E (Skagit Bay): Salo, 1969.
1-B (Bellingham Bay):
DiDonato, 1969.
50+-E: Haw and Euckley, 1971.
2-HC (Anderson Ccve): Chew, 1970.

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- 2-SJ (Flat Point): 686; 2220.
11-SJ (Friday Harbor): 2109; 2194; 2205; 2295; 15338; 15339; 15340; 15341; 15342; 15344; 15345.
1-SJ (Brown Island): 2140.
1-SJ (West Sound): 2238.
1-SJ (East Sound): 2282.
1-E (Saratoga Pass., Camano Head): 2535.
1-E (east of Gedney Island): 2566.
1-E (off Snohomish River): 2626.
1-E (Saratoga Pass., Sandy Point): 2667.
1-SJ (Waldron Island): 2887.
1-S (beach seine: Alki Point): 4511.
1-S (south of Richmond Beach): 4713.
1-CS (off Port Madison): 5727 (also boat 497B).
2-S (off Golden Gardens): 5732 (also boat 497E); 5851 (also boat 493B).
2-S (Golden Gardens): 5765 (also boat 5001); 5794 (also boat 5036A).
1-CS (mid Port Madison): 5776 (also boat 492B).
1-HC (opposite Hoodspout): 5779 (also boat 499F).
1-B (east northeast of Vendovi Island): 6042.
1-S (Edmonds): 7596.
1-S (beach seine: Golden Gardens): 8377 (also boat 5137A).

- 1-PO (Agate Pass.): 15335.
2-AI: 17024; 17025.
1-SJ (north part of East Sound): 5761 (also boat 491M).
1-SJ (west of Ram Island): 5697 (also boat 491P).
1-SJ (Roche Harbor): 2951.
1-SJ: 3544.
1-SJ (East Sound): 15343.
1-S (Meadow Point): 17150.
1-PO (off Fletcher Bay): 17119 (also boat 6406C).
2-JF (west of McArthur Bank): 17691; 17732 (also Friday Harbor Log, 7/18/63-1; 7/19/63-1).

Friday Harbor Laboratory Log

- 2-B (Bellingham Bay): 7/26/51-2; 6/22/55.
1-B (south of Eliza Island): 8/8/55-1.
1-B (off Inati Bay): 8/8/55-2.
2-SJ (Upright Head): 6/28/51-1; 6/24/55-2.
1-SJ (off Rocky Bay): 6/30/51-1.
2-SJ (Lopez Sound): 7/12/51-2; 7/28/55-1.
1-B (Lummi Island, off Reil Harbor): 7/26/51-1.
1-SJ (south of Orcas Island): 6/24/52.
1-SJ (Lopez Sound and East Sound): 7/1/52.
3-JF (west of McArthur Bank): 7/7/52-1; 8/8/60; 7/8/69-1.
1-SJ (Stuart Island, Reid Harbor): 7/9/52-2 (also boat 5220H).
1-SJ (between Orcas Island and Matia Island): 7/14/52-3.
5-SJ (West Sound): 7/9/52-3 (also boat 5220I); 7/26/60-2; 8/13/60-2; 6/26/61; 6/27/63-B.
4-SJ (East Sound): 8/11/52; 7/26/60-1; 8/13/60-1; 7/6/71-1.
2-SJ (north side Johns Island, second bay): 8/19/52-1,2.
9-SJ (Friday Harbor Lab.): 7/6/52; 7/7/52; 7/8/52; 7/13/52; 7/15/52; 7/16/52; 7/50; 8/4/61-2; 6/21/67-2.
1-SJ (Friday Harbor): 6/21/55.
1-SJ (East Sound or West Sound): 7/25/55.
1-SJ (southeast of Cattle Point): 8/3/55-2 (also boat 5520B).
1-SJ (off Iceberg Point): 8/4/55-1 (also boat 5520C).
1-JF (off Hein Bank): 8/3/55-3.
1-SJ (west of Center Island): 8/11/55-1.
1-SJ (Mitchell Bay): 8/16/60-1.
3-SJ (lower East Sound): 8/11/55-3; 8/22/55-5; 6/20/50-2 (also boat 5033I).

Theragra chalcogramma

Gadidae

Friday Harbor Laboratory Log

2-SJ (south of Satellite Island):
8/15/55-1,2.
1-SJ (Mud Bay): 8/15/55-3.
4-SJ (Argyle Bay): 8/16/55-1;
7/8/61; 7/12/61-3; 7/18/61-2.
1-SJ (mid East Sound): 8/22/55-7.
1-SJ (Johns Island): 7/10/50-1.
1-SJ (Satellite Island): 7/10/50-3.
1-SJ (west of Gcose Island):
7/13/50-5.
1-SJ (north of Hunter Bay):
6/19/50-5 (also boat 5033G).
1-SJ (east of Puffin Island):
6/20/50-4 (also boat 5033K).
1-SJ (West Sound and Lopez Sound):
6/27/60.
2-SJ (Upright Head to Olga):
8/1/60-2; 7/10/61-2.
2-SJ (North Bay): 8/18/60-1,2.
1-PS (Cattle Point to Smith Island):
6/28/61-1.
1-SJ (Squaw Bay): 7/10/61-1.
1-SJ (Smallpox Bay): 7/13/61.
1-SJ (south of Lopez Island):
6/27/63-A.
1-SJ (Cattle Point): 6/23/67-1.
1-SJ (west of Neck Point): 7/31/69.
1-SJ (off Friday Harbor): 8/22/69.
1-SJ (lower East Sound): 6/26/73-1.
1-SJ (Upright Head to Foster Point):
6/26/73-2.

University of Washington Boat Log

1-GS (north of Alden Bank): 491G.
1-SJ (off Johns Island): 491B.
1-SJ (between Puffin Island and
Orcas Island): 491E.
1-SJ (off Raccoon Point toward
Barnes Island): 491F.
1-SJ (East Sound): 5033M.
1-SJ (Lopez Sound, west of Ram
Island): 5033R.
1-SJ (training cruise area: East
Sound, north of Rosario Point):
6603H.
2-SJ (training cruise area: Lopez
Sound, southwest of Center
Island): 7017I; 7118I.
1-B (Burrows Bay, east of Burrows
Island): 5033S.
1-B (Bellingham Bay): 6822G.
10-B (training cruise area:
Bellingham Bay, southwest of Post
Point): 6603G; 6614G; 6620G;
6630G; 6717G; 6722G; 6815G;
6819G; 6826G; 7313G.
2-E (Penn Cove mouth, off Long Point
to Snatelum Point):
5213A; 5321F.
2-E (north end Saratoga Pass., south
from Point Polnell):
5220M; 6821.5B.
4-E (mouth of Holmes Harbor, off
Rocky Point to off Dines Point):
5234C; 5312I; 5327C,E.

5-E (Holmes Harbor, Dines Point to
Classic): 5234D; 5305C; 5405G;
5501D; 5712E.
5-E (Holmes Harbor, south of
Classic):
5305B; 5307F; 5312E; 5316D,E.
14-E (Holmes Harbor): 5305E,M;
5325B,C; 5327B; 5405B,D; 5418A,B;
5420A; 56130,Q; 5614D; 5810A.
2-E (off Utsalady Point): 5321C,D.
2-E (Saratoga Pass., Onamac Point to
Indian Beach): 5321K; 5330D.
3-E (Saratoga Pass., Snatelum Point
to Onamac Point):
5330I; 5418H; 5712C.
2-E (in Elger Bay): 5330J; 5418I.
6-E (Penn Cove):
5405K; 5522G; 5613U,W,X; 5712A.
1-E: 5712B.
3-E (off Mukilteo): 5604A,C,B.
1-E (Saratoga Pass., Cama Beach to
Lowell Point): 5712D.
19-E (training cruise area: east of
Gedney Island):
6507C8; 6603C; 6614C; 6620C;
6630C; 6717C; 6722C; 6815C;
6819C; 6826C; 6908C; 7010C;
7017C; 7110C; 7118C; 7213C;
7307C; 7313C; 6914C.
9-E (training cruise area: off Penn
Cove): 6614E; 6717E; 6815E;
6819E; 6826E; 7010E; 7110E;
7118E; 7213E.
1-E (off north of Kayak Point, Port
Susan): 7204A.
10-E (training cruise area: Saratoga
Pass., north of Langley):
6614D; 6630D; 6722D; 6819D;
6826D; 6914D; 7010D; 7110D;
7213D; 7307D.
2-E (south end of Saratoga Pass.):
6620E; 6722Y.
3-E (Port Susan, off Kayak Point):
6702A,B,C.
1-E (Port Susan): 6821.5C.
4-E (Saratoga Pass.):
6801.5; 6810B,C; 6821.5D.
1-E (Saratoga Pass., off Camano
Head): 6822D.
1-E (near Penn Cove): 6822E.
1-JF (Discovery Bay): 5318A.
1-JF (west of McArthur Bank):
5520A.
3-AI (training cruise area: east of
north Marrowstone Island):
6507J; 6603J; 6614J.
1-AI (Oak Bay, north of Olele
Point): 5009C.
1-AI (just south of Foulweather
Bluff on east side of Hood
Canal): 7112E.
1-HC (off Shine to off Sisters
Buoy): 499C.
1-HC (off Thorndike Bay): 499J.
4-HC (Dabob Bay): 6105A,B,C; 7102B.

Theragra chalcogramma

Gadidae

University of Washington Boat Log

- 1-HC (west of Misery Point): 7202A.
 3-HC (off Pleasant Harbor):
 6804E; 6902L; 7102M.
 13-HC (Dabob Bay, Broad Spit to Long Spit):
 7202D,E,F,H; 6601A; 6804F; 6828A, B; 6902D; 6629E; 6702D,F; 6724A.
 2-HC (Anderson Cove): 7009A,B.
 1-HC (opposite Vinland): 7112C.
 5-CS (Port Madison): 5006D; 5048B; 5132D; 6203A; 7011C.
 1-CS (northeast of Apple Cove Point): 5009A.
 3-CS (mouth of Quartermaster Harbor): 5042A; 5104B; 5115H.
 1-CS (mid Quartermaster Harbor): 5042D.
 1-CS (off Port Madison): 5043C.
 1-CS (Tramp Harbor): 5104A.
 1-CS (off Point Jefferson): 5112D.
 1-CS (east of Blake Island): 5115I.
 9-CS (off West Point): 5122D; 6605B; 6606B; 6607B; 6611B; 6620B; 6626B; 6628B; 7017Y.
 2-CS (Meadow Point to Port Madison): 5709B; 5911B.
 4-CS (east of Point Monroe): 5805C; 5813A,B,C.
 14-CS (training cruise area: mid-channel, Skiff Point to West Point): 6507B8; 6603B; 6614B; 6815B; 6819B; 6914B; 7017B,Z; 7110B; 7118B; 7213B; 7307B; 7308B; 7313B.
 1-CS (Manchester): 6618.
 1-CS (Vashon Island, east of Neill Point): 6703C.
 2-CS (Vashon Island, off Sylvan Beach): 6703A,B.
 15-CS (Murden Cove): 6610B,C; 6616; 6710B2,C2; 6713G,H; 6809A; 6818B; 6819X; 6821.5G; 6912; 3-7108.
 3-PO (buoy N4 to N6): 5106E; 5131A; 5310.5C.
 22-PO (off Fletcher Bay to south of Battle Point and Brownsville): 5223B; 5232C; 5236E; 5302BB; 5310.3B; 5317A; 5402X; 5523A; 5602A,B; 5707B,G; 5709C; 5809A; 5932B; 6016B5; 6109B; 6205D1,D2, D3; 6320A; 5523A.
 1-PO (between "B-2" and "B-1"): 5301C.
 1-PO (off Manzanita to off Seabold): 5310.1D.
 2-PO (off south of Fletcher Bay): 5801A,C.
 13-PO (most probably off Fletcher Bay): 6214; 6604B; 6821.5F; 7011B; 7020; 7104-1; 7105-1,2; 7107A,B; 7302A,B; 7313X.
 1-PO (Brownsville to White Point): 6806A.
 43-S (off Golden Gardens to Meadow Point):
 494F; 496B; 498B; 4910A; 5008C; 5014C; 5017C; 5028A,C; 5029B,E; 5033A; 5034E; 5039A,D; 5041B; 5110D; 5112A,B; 5119G,H; 5126A; 5127A; 5129A,C; 5203D; 5233D; 5314A,C; 5329C,D; 5408B; 5416B; 5516C; 5702AN; 5704E; 5707J,K; 5713G; 6005C; 6112B; 6114A,B.
 1-S (south off West Point to off Four-Mile Rock): 5027D.
 15-S (off Meadow Point to Carkeek Park):
 5020A; 5039C; 5044A; 5110A; 5203A,B; 5211C; 5212C,D,E; 5216B; 5606A; 5915D; 6414C; 6510B.
 14-S (beach seine: Golden Gardens to Meadow Point): 5047A,C; 5134A,B; 5137B; 5209C,D; 5328A; 5417A; 2-6310; 6518A,B; 5007D.
 1-S (beach seine: Carkeek Park): 5231A.
 2-S (Alki Point to Duwamish Head): 5603A; 5702AM.
 1-S (off north of Carkeek Park): 6206C.
 2-S (Golden Gardens): 6311E,F.
 1-S (north of Meadow Point): 6406A.
 3-S (off West Point sewer outfall): 6718-1,4,5.
 1-S (1 mile southwest of West Point): 6806C.
 2-S (Carkeek Park to Richmond Beach): 6719A,D.
 1-S (Meadow Point to Richmond Beach): 6429B.
 2-CP (off Cove): 5046A; 5133Q.
 1-CP (off Paradise Cove to Point Sandford): 5126N.
 1-CP (west side south of Command Point): 5133P.
 2-CP (off Camp Sealath): 5104CC,DD.
 1-CP (Cove to Fragaria): 5135E.
 1-SS (north end Pickering Pass. to off McLane Cove): 5009H.
 4-SS (northwest end of Nisqually Reach): 5009I; 5126J; 5204F,G.
 18-SS (Carr Inlet, off Glen Cove to off Raft and Cutts Islands): 5009J; 5101B; 5102B; 5104L,N,O,Y, Z; 5115F; 5204A,B,C,E,K,L,M,N; 5213D.
 6-SS (Carr Inlet, off Minter Creek, to Elgin): 5045J; 5102C; 5104V; 5135A; 5201P; 5213F.
 1-SS (Hale Pass., Arletta to Cromwell): 5046B.
 1-SS (mouth of Carr Inlet, Gibson Point to Gertrude Island): 5046D.
 3-SS (off Wauna): 5101A; 5104G,W.
 1-SS (Carr Inlet mouth, southwest of Green Point): 5104T.

Theragra chalcogramma

Gadidae

University of Washington Boat Log

- 1-SS (west of Ketrion Island):
5126K.
- 1-SS (between Fox and Day Islands,
towing toward Toliva Shoal):
5201E.
- 1-SS (Hale Pass., Wollochet Bay to
Point Fosdick): 5201N.
- 1-SS (Dana Pass., Brisco Point to
Dofflemeyer Point): 5204H.
- 5-SS (Carr Inlet):
5522C; 5605A,B; 5703C,D.
- 1-SS (trap, Eld Inlet entrance):
6217-3.
- 3-SS (Carr Inlet, mid Glen Cove to
Green Point): 6724B-1,2,3.

Miscellaneous Logs

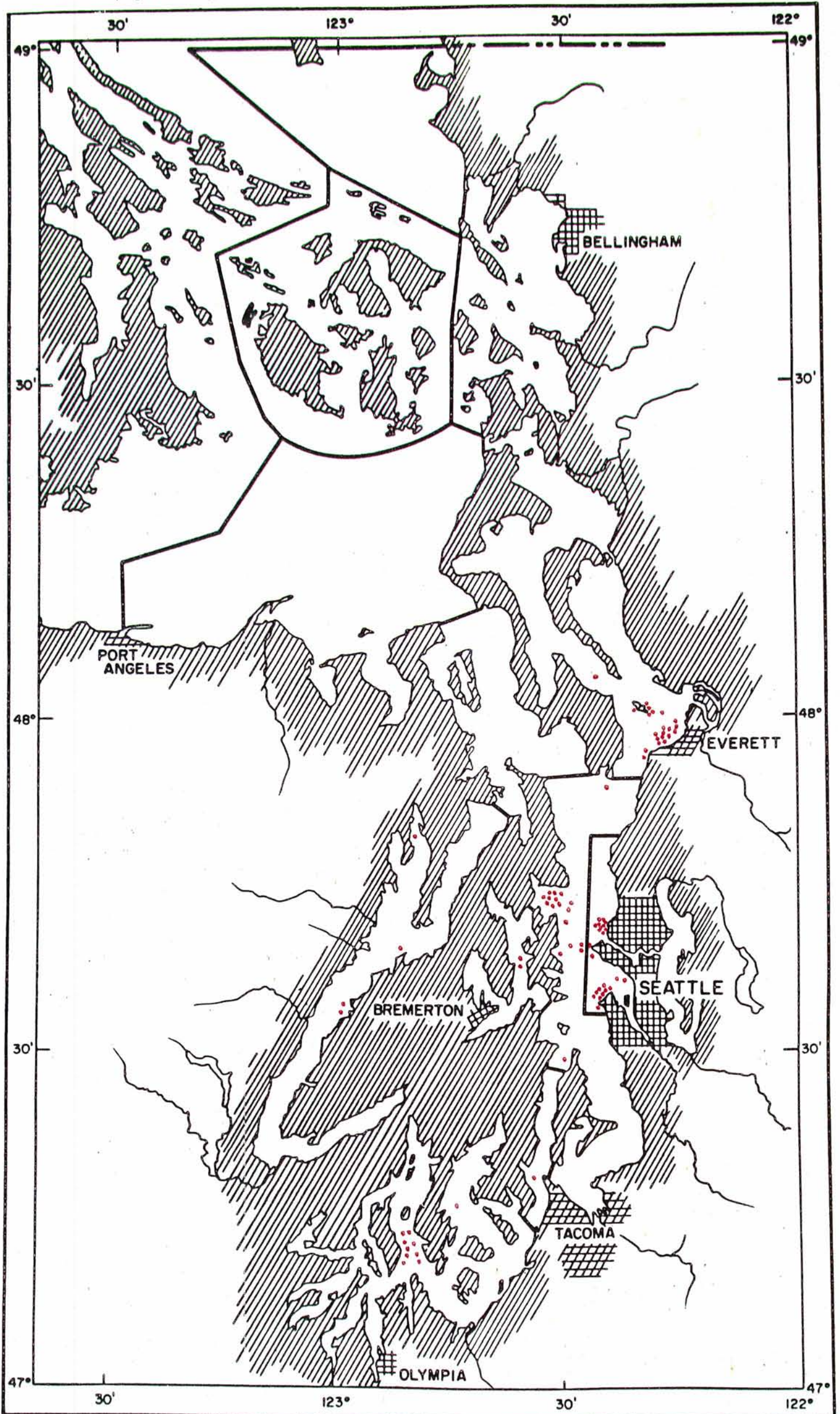
- 1-E (Everett):
WSDF, Sport Fish., 1965-70.
- 10+-S (Sport Catch; Elliott Bay):
WSDF, Sport Fish., 1965-70.
- 4-HC (Sport Catch):
WSDF, Sport Fish., 1965-70.
- 50+-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
- 50+-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
- 50+-PO (just south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
- 11-S (Golden Gardens):
U.W. Ocean., Hoh, 1963-67.
- 1-S (Spring Beach):
U.W. Ocean., Hoh, 1963-67.
- 1-S (Meadow Point):
U.W. Ocean., Hoh, 1963-67.
- 19-PO (south and north of Fletcher
Bay): U.W. Ocean., Hoh, 1963-67.
- 35-SS (Case Inlet, off Taylor Bay to
off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
- 6-SS (Carr Inlet, off Horsehead
Bay): U.W. Ocean., Hoh, 1963-67.
- 35-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
- 1-CS (Norma Beach):
U.W. Ocean., Hoh, 1963-68.
- 16-E (Port Gardner Bay):
U.W. Ocean., Hoh, 1963-67.
- 30-E (Port Susan):
U.W. Ocean., Hoh, 1963-67.
- 7-E (Penn Cove):
U.W. Ocean., Hoh, 1963-67.
- 15-E (Saratoga Pass., Demock Point):
U.W. Ocean., Hoh, 1963-67.
- 2-E (northeast of Rocky Point):
U.W. Ocean., Hoh, 1963-67.
- 1-E (Holmes Harbor):
U.W. Ocean., Hoh, 1963-67.
- 1-CS (off Skiff Point):
U.W. Ocean., Commando, 1968.
- 3-SS (Case Inlet, off Taylor Bay to
off Whiteman Cove):
U.W. Ocean., Commando, 1968.
- 43-CS (herring trawl, Skiff Point to
Point Jefferson):
U.W. Ocean., 1968-69.
- 1-S (herring trawl, Elliott Bay):
U.W. Ocean., 1968-69.
- 44-SS (herring trawl, mouth of Carr
Inlet): U.W. Ocean., 1968-69.
- 50+-E (herring trawl, Port Susan):
U.W. Ocean., 1968-69.
- 14-PO (herring trawl, south of
Fletcher Bay):
U.W. Ocean., 1968-69.
- 3-AI (Port Townsend Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 1-B (Samish Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 2-B (Lummi Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 4-SJ (East Sound):
U.W. Ocean., Hoh, S.J., 1966.
- 25-JF (Protection Island): WSDF,
groundfish trawl, through 1970.
- 1-JF (off Green Point): WSDF,
groundfish trawl, through 1970.
- 1-CP (Olalla and south): WSDF,
groundfish trawl, through 1970.
- 1-CP (Richmond Point): WSDF,
groundfish trawl, through 1970.
- 3-JF (Protection Island): WSDF,
Commercial Catch Comp., 1966-71.
- 1-JF (Discovery Bay): WSDF,
Commercial Catch Comp., 1966-71.
- 1-SS (Carr Inlet): WSDF, Commercial
Catch Comp., 1966-71.
- 6-JF (north and northwest of
Dungeness Spit): NMFS, Cobb-25.
- 5-AI (east of Port Townsend):
NMFS, Cobb-35.
- 3-JF (west of Protection Island;
Port Discovery; between Port
Discovery and Protection Island):
NMFS, Cobb-35.
- 3-SS (Carr Inlet): NMFS, Cobb-68.
- 1-CS (Poverty Bay): NMFS, Cobb-68.
- 1-E (Whidbey Island to Gedney
Island): NMFS, Cobb-68.
- 3-E (Saratoga Pass.):
NMFS, Cobb-68.
- 3-E (Holmes Harbor): NMFS, Cobb-68.
- 2-PO (south of Fletcher Bay):
NMFS, Cobb-68.
- 2-E (Holmes Harbor): NMFS, Cobb-70.
- 1-E (Saratoga Pass., north of Holmes
Harbor): NMFS, Cobb-71.
- 1-CS (southeast of Port Madison):
NMFS, Cobb-71.
- 1-S (off Richmond Beach):
NMFS, Cobb-71.
- 1-SS (off north of Glen Cove):
NMFS, Cobb-72.
- 1-CS (off Skiff Point):
NMFS, Cobb-78.
- 2-JF (mid-channel north of Morse
Creek): NMFS, Cobb-90.

Theragra chalcogramma

Gadidae

Miscellaneous Logs

- 1-JF (west of Hein Bank):
NMFS, Cobb-90.
- 1-JF (northwest of Dungeness Spit):
NMFS, Cobb-92.
- 1-S (off Golden Gardens):
NMFS, Cobb-75.
- 1-JF (Discovery Bay):
NMFS, Cobb-75.
- 2-SS (Carr Inlet): NMFS, Cobb-75.
- 3-E (Everett Harbor):
NMFS, Cobb, 1/20/61.
- 1-E (Saratoga Pass.):
NMFS, Cobb, 1/20/61.
- 13-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
- 1-B (Bellingham Bay, off Nooksack River to Marine Drive):
NIH, 1968-71.
- 1-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
- 6-CS (Port Madison):
Van Cleve, trap, 1961-65.
- 1-SS (entrance to Eld Inlet):
Van Cleve, trap, 1961-65.
- 1-E (Saratoga Pass., west side just south of Penn Cove):
Van Cleve, trap, 1961-65.
- 1-JF (Discovery Bay):
Battelle, 1967-69.
- 7-JF (north of Ediz Hook):
NMFS, Cobb-25.
- 6-GS (tow area 1: mouth of Boundary Bay):
WSDF, Gulf Georgia, 1969-71.
- 2-GS (tow area 2: off Birch Bay):
WSDF, Gulf Georgia, 1969-71.
- 8-GS (tow area 3: off Cherry Point):
WSDF, Gulf Georgia, 1969-71.
- 1-GS (tow area 4: off north of Neptune Beach):
WSDF, Gulf Georgia, 1969-71.
- 7-GS (tow area 5: north of Alden Bank):
WSDF, Gulf Georgia, 1969-71.
- 7-GS (tow area 6: southeast of Point Roberts):
WSDF, Gulf Georgia, 1969-71.
- 1-GS (tow area 7: mid-channel):
WSDF, Gulf Georgia, 1969-71.
- 2-JF (west of Protection Island):
NMFS, Cobb, 2/28/73.
- 1-CS (south of Possession Point):
NMFS, Cobb, 2/28/73.
- 2-S (Duwamish River estuary, 16th S. to 1st Ave. S. bridge):
Sea Grant, 72C10.
- 1-GS (south of Cherry Point):
Sea Grant, 72C19.
- 1-S (beach seine: Golden Gardens):
Sea Grant, 72C22.
- 1-HC (off Big Beef Harbor):
Sea Grant, 72C26.
- 3-S (off northwest side of West Point): Sea Grant, 1973.
- 2-S (off southwest side of West Point): Sea Grant, 1973.
- 1-S (deep otter trawl: off West Point): Sea Grant, 1973.
- 1-S (southwest of Alki Point):
Sea Grant, 1973.
- 3-S (deep otter trawl: off southwest of Alki Point): Sea Grant, 1973.
- 2-HC (mid-channel, off Union):
Sea Grant, 1974.
- 1-HC (off Skokomish River Delta):
Sea Grant, 1973.
- 4-HC (off Skokomish Delta, mid-channel): Sea Grant, 1973-74.
- 1-AI (Mutiny Bay):
Sea Grant, 73049.
- 6-B (Bellingham Bay): Bill High, personal communication, 12/9/63.
- 1-JF (Discovery Bay): Bill High, personal communication, 12/9/63.
- 1-AI: Bill High, personal communication, 12/9/63.
- 2-CS (Port Madison; Norma Beach):
NMFS, Cobb-72.



Brosmophycis marginata

Ophidiidae

Published Records

- 1-PS: Kincaid, 1919.
 1-E (Gedney Island):
 Smith, 1973 (also museum 4671).
 1-HC (Holly):
 Schultz and DeLacy, 1935-36.
 1-HC (Anderson Cove): Chew, 1970.

University of Washington
Museum Collection

- 1-E (east of Gedney Island): 2573.
 1-E (off Snohomish River): 2616.
 1-E (off Everett): 3138.
 2-S (Elliott Bay): 3170; 3790.
 3-S (off Golden Gardens): 5994
 (also boat 494F); 7564; 16924.
 1-PS: 7318.
 1-CS (off West Point):
 8225 (also boat 5115J).
 1-S (off Meadow Point):
 8272 (also boat 5044A).
 1-SS (Carr Inlet): 10318.
 1-CP (Point Defiance): 14005.
 1-CS (off Fay Bainbridge State
 Park): 14403 (also boat 5806C).
 1-CS (off Port Madison):
 5726 (also boat 497B).

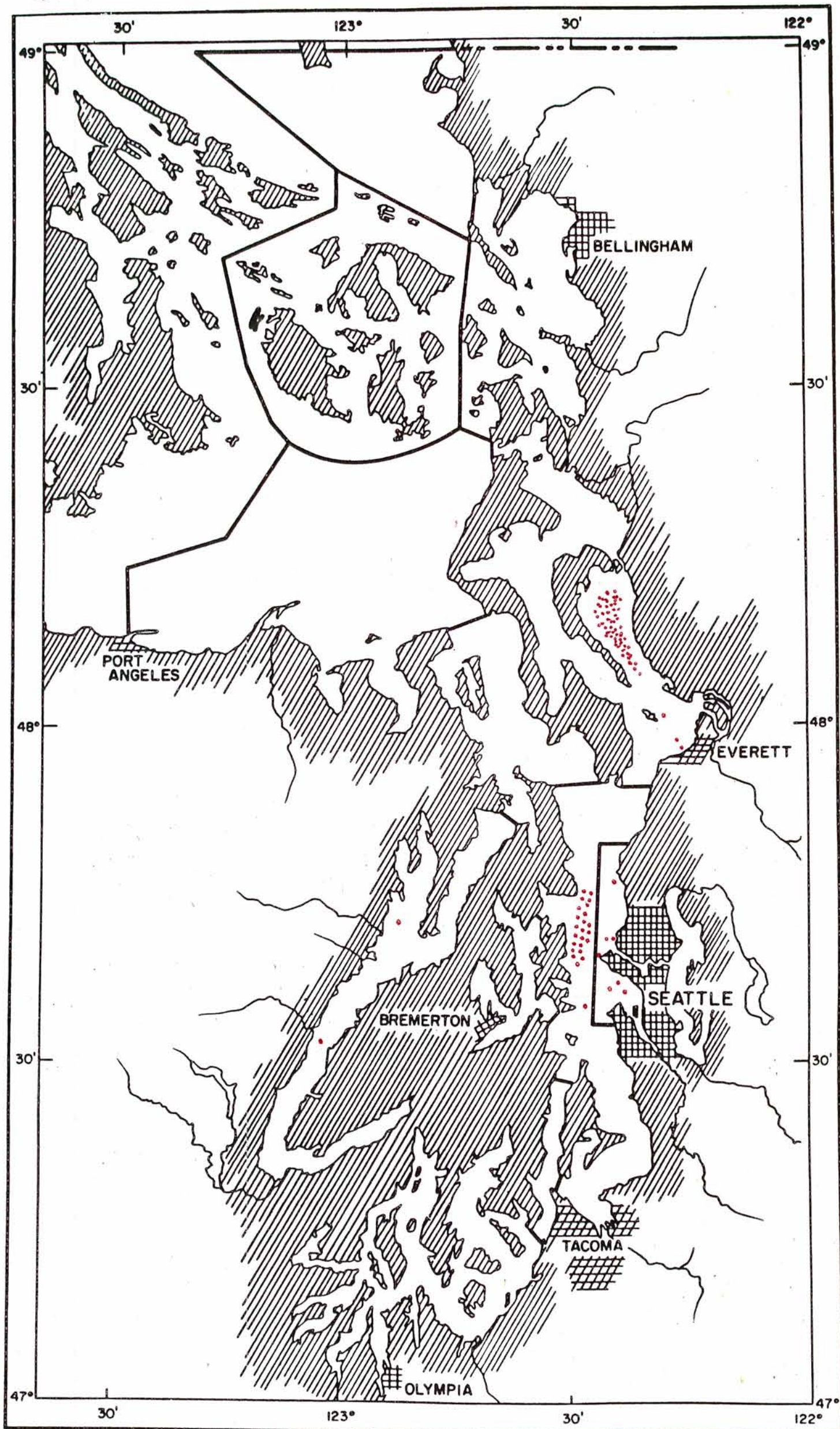
University of Washington Boat Log

- 3-S (Golden Gardens):
 5034F; 6311A,E.
 1-CS (off Port Madison): 497A.
 2-E (Mukilteo): 5613N; 6407.
 2-PO (off Fletcher Bay):
 6427; 6707.
 5-E (training cruise area: east of
 Gedney Island): 6507C; 6614C;
 6722C; 6815C; 5908C.
 1-CS (training cruise area: mid-
 channel, Skiff to West Point):
 6614B.
 1-CS (off West Point): 6620B.
 1-CS (Vashon Island, off Sylvan
 Beach): 6703A.
 1-HC (Dabob Bay, Broad Spit to Long
 Spit): 6724A.
 1-E (training cruise area: Saratoga
 Pass., north of Langley): 6826D.
 1-S (off Golden Gardens): 6510C.
 1-S (off West Point sewer outfall):
 6718-3.
 1-HC (west of Misery Point): 7202A.
 1-CS (Murden Cove): 7008B.
 1-CS (Port Madison): 7011C.

Miscellaneous Logs

- 8-S (off Duwamish Head to Alki
 Point): U.W. Ocean., 1964-67.
 9-E (Port Gardner Bay):
 U.W. Ocean. P.3., 1962-67.
 9-SS (Case Inlet, off Taylor Bay to
 off Whiteman Cove):
 U.W. Ocean., Hoh, 1963-67.

- 5-CS (Port Madison):
 U.W. Ocean. Hoh, 1963-68.
 2-E (Port Gardner Bay):
 U.W. Ocean., Hoh, 1963-67.
 3-CS (Port Madison):
 Van Cleve, trap, 1961-65.
 1-CS (south of Possession Point):
 NMFS, Cobb, 2/28/73.
 1-S (deep otter trawl, off West
 Point): Sea Grant, 1973.
 1-S (deep otter trawl, off southwest
 of Alki Point): Sea Grant, 1973.



Lycodapus mandibularis

Zoarcidae

Published Records

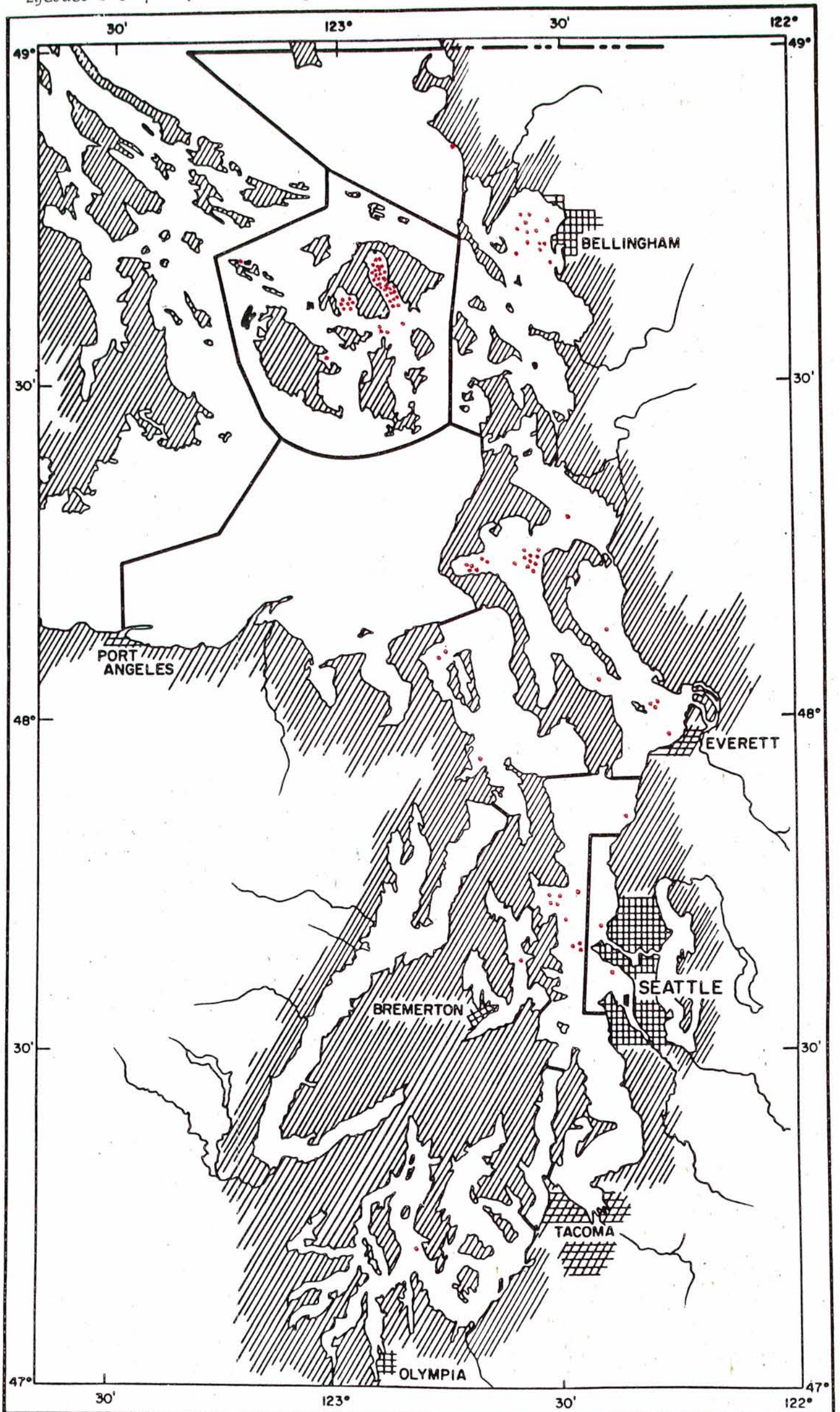
- 1-S (Seattle): Bayliff, 1959.
 1-CS (East Pass to Possession Sound): Bayliff, 1959.

University of Washington
Museum Collection

- 1-CS (mid-channel, Alki Point to Blakely Rocks):
 8103 (also boat 5103L).
 1-S (off West Point):
 8104 (also boat 5103I).
 1-S (Elliott Bay): 11403.
 1-S (off Golden Gardens):
 14290 (probably is same collection as Bayliff, 1959).
 1-S (off Golden Gardens):
 16776 (also boat 6114B).
 1-S (Elliott Bay): 16926.
 3-E (Port Susan): 19257; 19263;
 19265 (all probably NMFS, Cobb).
 1-S (Richmond Beach): 19264.
 1-CS (mid-channel, off Golden Gardens):
 19248 (also NMFS, Cobb, 3/30/65).
 1-HC (off Chinom Point):
 19255 (also NMFS, Cobb, 10/8/65).
 2-CS (mid-water trawl: mid-channel, Point Monroe to Meadow Point):
 5709B; 5707I.
 1-CS (off Murden Cove): 6710D2.
 1-E (mid-water trawl: training cruise area, east of Gedney Island): 7313C.

Miscellaneous Logs

- 1-HC (Dabob Bay or possibly Chinom Point): NMFS, Cobb.
 1-E (Port Susan): NMFS, Cobb.
 1-E (Port Gardner Bay):
 U.W. Ocean. P.G., 1962-67.
 8-E (Port Susan):
 U.W. Ocean., Hoh, 1963-67.
 1-E (Port Gardner Bay):
 U.W. Ocean., Hoh, 1963-67.
 16-CS (herring trawl, Skiff Point to Point Jefferson):
 U.W. Ocean., 1968-69.
 32-E (herring trawl, Port Susan):
 U.W. Ocean., 1968-69.
 4-E (Port Susan):
 U.W. Ocean., Commando, 1968.



Lycodes brevipes

Zoarcidae

Published Records

- 1-SJ (East Sound):
Gilbert and Thompson, 1905.
1-SJ: Starks, 1911.
1-AI (Port Ludlow, north of Tala Point):
Evermann and Goldsborough, 1907.
1-SJ: Shelford et al., 1935.
1-SJ (East Sound): Smith, 1937.
1-B (Bellingham Bay): Smith, 1936.
3-E (Coupeville): Smith, 1936.
1-E (Skagit Bay): Salo, 1969.

University of Washington
Museum Collection

- 1-SJ (East Sound near Olga): 1120.
1-SJ (Friday Harbor): 2154.
1-SJ (West Sound): 2234.
5-SJ (East Sound): 2284; 6849;
14374 (also Friday Harbor Log,
8/11/52); 17075 (also Friday
Harbor Log, 6/20/63); 17132.
1-B (off Chuckanut Drive, Bellingham Bay): 3768.
1-SJ (north East Sound):
5755 (also boat 491M).
1-B (east of Point Frances):
5792 (also boat 491K).
1-B (Bellingham Bay, 1/2 mile west
of Starr Rock): 11055.
1-SJ (mid East Sound): 18695 (also
Friday Harbor Log, 6/5/64).
1-CS (southwest of Norma Beach):
19154 (also NMFS, Cobb-75).
1-SJ (East Sound, south of Rosario
Point):
19559 (also NIH, 1964-66).

Friday Harbor Laboratory Log

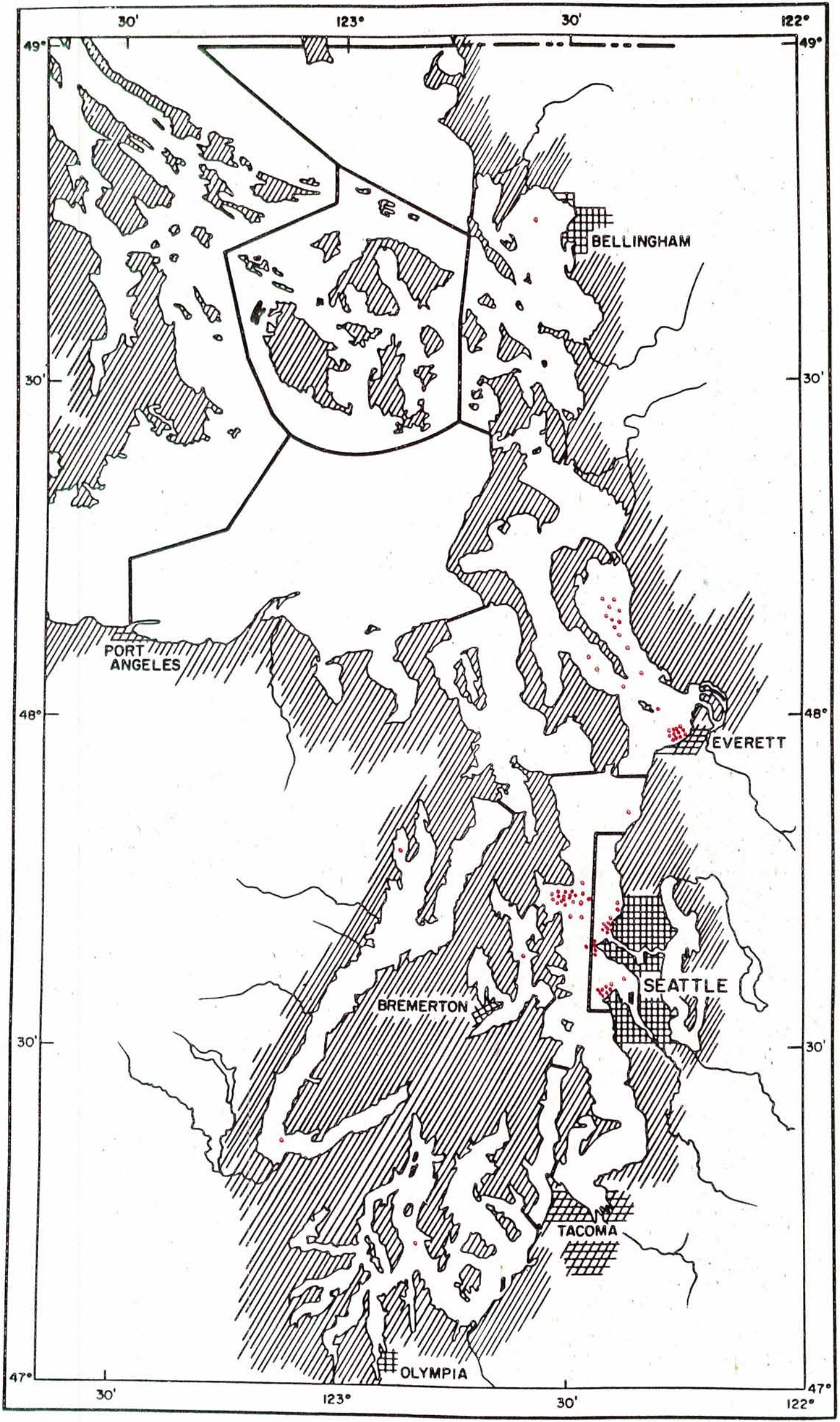
- 1-SJ (Prevost Harbor): 7/10/50-4.
1-SJ (south of Orcas Island):
6/24/52.
2-SJ (East Sound and Lopez Sound):
7/1/52; 7/11/63.
1-B (Bellingham Bay): 6/22/55.
4-SJ (West Sound):
7/9/52-3 (also boat 5220I);
8/13/60-2; 6/26/61; 6/20/69-2.
6-SJ (East Sound):
7/6/60-2; 7/25/60; 8/13/60-1;
6/20/61; 5/11/62; 7/6/71-1.
1-SJ (off Upright Head): 6/24/55-2.
1-SJ (Upright Head to Obstruction
Pass): 8/22/55-4.
1-SJ (lower East Sound): 8/22/55-6.
3-SJ (mid East Sound):
8/22/55-7; 7/11/64; 6/20/69-1.
1-SJ (lower East Sound): 6/26/73-1.
1-SJ (Upright Head to Foster Point):
6/26/73-2.

University of Washington Boat Log

- 1-CS (Point Jefferson to Carkeek
Park, mid-channel): 5911B.
1-CS (off Fay Bainbridge State
Park): 5806C.
1-S (off Golden Gardens): 5924C.
2-CS (training cruise area: off West
Point): 6611B; 7118B.
(Training cruise area).
1-B (Bellingham Bay): 6822G.
1-E (near Penn Cove): 6822E.
2-E (training cruise area: off Penn
Cove): 6614E; 6815E.
3-B (training cruise area: southwest
of Post Point):
6717G; 6826G; 7313G.
1-CS (training cruise area: mid-
channel, Skiff Point to West
Point): 6914B.
3-E (training cruise area: east of
Gedney Island):
7118C; 7213C; 7010C.
1-E (training cruise area: Saratoga
Pass., north of Langley): 7118D.

Miscellaneous Logs

- 1-PO (south and north of Fletcher
Bay): U.W. Ocean., Hoh, 1963-67.
1-SS (Case Inlet, off Taylor Bay to
off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
4-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
7-E (Saratoga Pass., Demock Point):
U.W. Ocean., Hoh, 1963-67.
10-SJ (East Sound, south of Rosario
Point): NIH, 1964-66.
1-SJ (East Sound): NIH, 1968-71.
1-GS (south of Cherry Point):
Sea Grant, 72009.
3-B (off Nooksack estuary,
Bellingham Bay):
Sea Grant, 72035; 73032.
1-S (Seattle): NMFS, Cobb.
1-SJ (East Sound): A.C. DeLacy,
personal communication, 6/20/69.
1-E (Port Susan):
U.W. Ocean., Hoh, 1963-67.
1-E (Port Gardner Bay):
U.W. Ocean., Hoh, 1963-67.
2-AI (Port Townsend Bay):
U.W. Ocean., Hoh, S.J., 1966.
2-B (Bellingham Bay):
U.W. Ocean., Hoh, S.J., 1966.
2-SJ (West Sound):
U.W. Ocean., Hoh, S.J., 1966.
4-SJ (East Sound):
U.W. Ocean., Hoh, S.J., 1966.
3-E (Penn Cove):
U.W. Ocean., Hoh, S.J., 1966.
1-SJ (East Sound): Bruce Miller,
Diving Log, 6/26/66.



Lycodes diapterus

Zoarcidae

Published Records

- 1-HC (Quilcene Bay):
Smith, 1937 (also museum 4446).
1-E (Gedney Island):
Chapman and DeLacy, 1933
(duplicates a museum log record).

University of Washington
Museum Collection

- 1-E (Camano Head, Saratoga Pass.):
2539.
1-S (Elliott Bay): 2907.
1-E (off Tulalip): 2913.
1-E (Saratoga Pass.): 2920.
2-E (Port Susan): 2931; 3581.
2-CS (off Port Madison):
5721 (also boat 497B); 10582.
2-CS (Port Madison):
5746 (also boat 492B); 6053.
1-S (off Golden Gardens):
5881 also boat 5029E).
2-S (Golden Gardens):
16919; 17139.
1-CS (off Meadow Point to Point
Monroe): 12253.
1-B (Bellingham Bay): 10786.
1-S (off north of Carkeek Park):
16842 (also boat 6206C).
1-CS (off West Point):
19057 (also boat 6626B).
1-CS (southwest of Norma Beach):
19155 (also NMFS, Cobb-75).

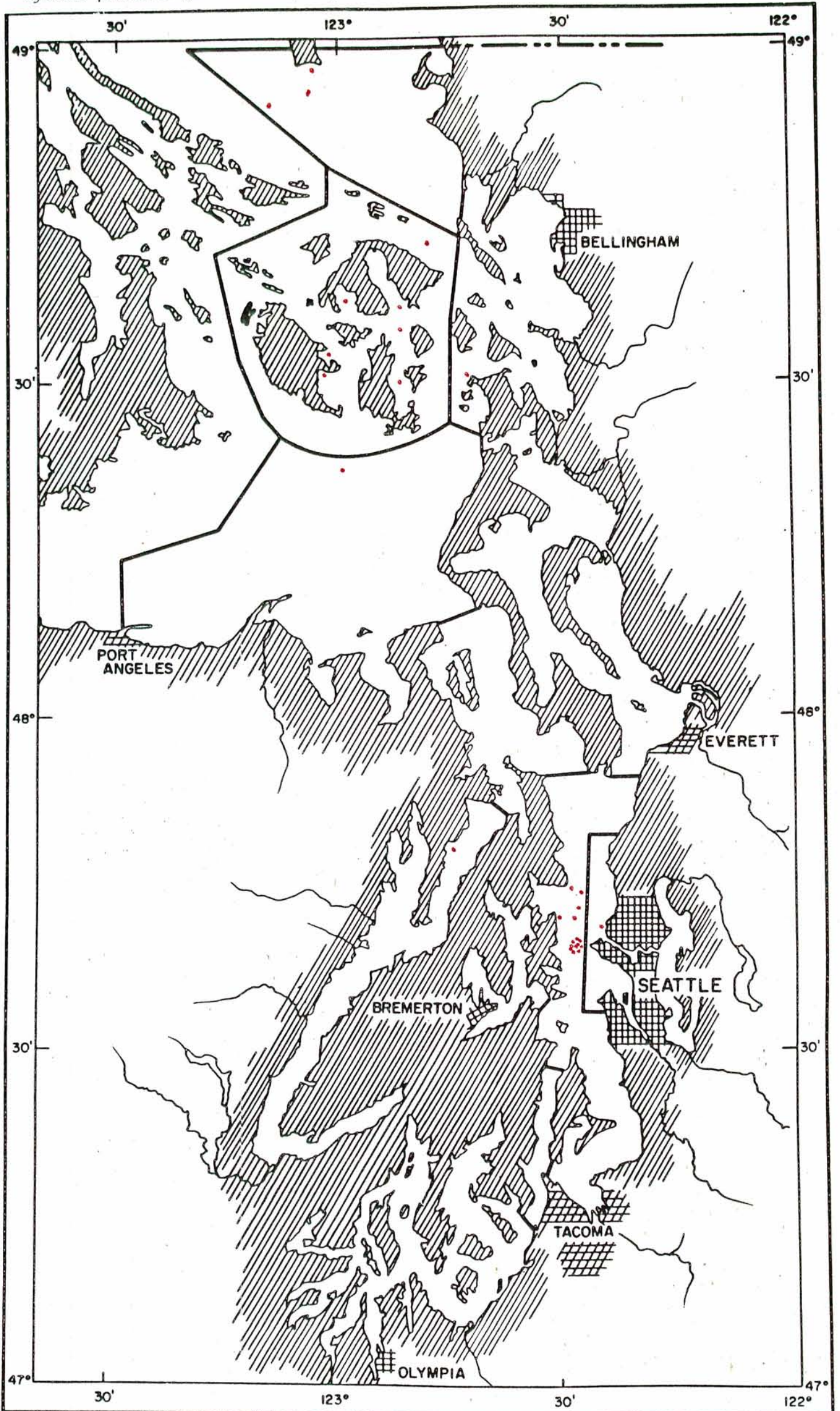
University of Washington Boat Log

- 4-S (off Golden Gardens to Meadow
Point):
5029A; 5039A; 5110D; 6311E.
2-S (off Meadow Point to Carkeek
Park): 5044A; 5119A.
1-CS (off Point Jefferson): 5112D.
1-CS (off Port Madison): 5043C.
1-CS (Port Madison): 5122B.
1-CS (off Fay Bainbridge State
Park): 5806C.
1-E (training cruise area: east of
Gedney Island): 6630C.
1-E (Port Susan, off Kayak Point):
6702C.
3-S (off West Point sewer outfall):
6718-3,4,5.

Miscellaneous Logs

- 8-S (off Duwamish Head to Alki
Point): U.W. Ocean., 1964-67.
6-E (Port Gardner Bay):
U.W. Ocean., F.G., 1962-67.
1-S (Golden Gardens to Meadow
Point):
U.W. Ocean., Hoh, 1963-67.
1-PO (south and north of Fletcher
Bay): U.W. Ocean., Hoh, 1963-67.
1-SS (Case Inlet, off Taylor Bay to
off Whiteman Cove):
U.W. Ocean., Hoh, 1963-1967.

- 18-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
5-E (Port Gardner Bay):
U.W. Ocean., Hoh, 1963-67.
7-E (Port Susan):
U.W. Ocean., Hoh, 1963-67.
2-CS (Port Madison):
Van Cleve, trap, 1961-65.
1-S (deep otter trawl, off southwest
of Alki Point): Sea Grant, 1973.
1-HC (mid-channel, off Skokomish
Delta): Sea Grant, 1973.
1-E (Port Gardner Bay):
U.W. Ocean., Hoh, S.J., 1966.
1-E (Saratoga Pass.):
NMFS, Cobb, 1/20/61.



Lycodes palearis

Zoarcidae

Published Records

- 1-SJ: Starks, 1911; Kincaid, 1919.
 1-B (Shannon Point):
 Halstead, 1950.
 1-GS (Point Roberts Reef):
 Slipp and DeLacy, 1952 (also
 museum 5362).
 1-GS (6 miles south of Point
 Roberts): Slipp and Delacey,
 1952 (also museum 5639).
 1-PS: Bayliff, 1959.

University of Washington
Museum Collection

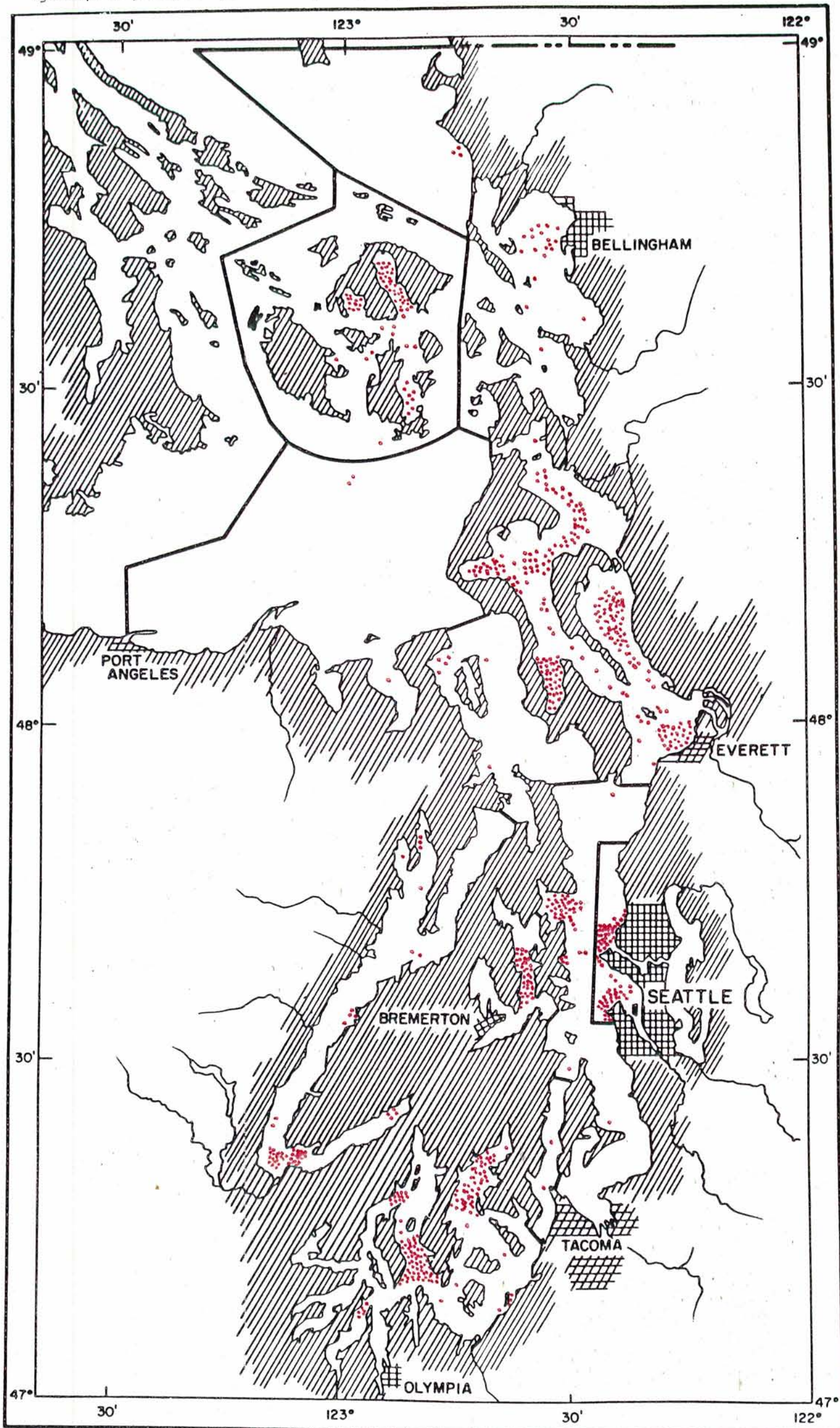
- 1-SJ (near Olga): 1208.
 1-CS (off Point Jefferson):
 6228 (also boat 5112D).
 1-HC (Thorndike Bay):
 6857 (also probably boat 499J).
 1-PS (Bellingham Bay-Point Roberts):
 6997.
 1-CS (off Meadow Point to Point
 Jefferson): 3100.
 1-CS (off Meadow Point to Point
 Monroe): 12252.
 1-CS (off Fay Bainbridge State
 Park): 14427 (also boat 5806C).
 1-GS (American side): 9098.

Friday Harbor Laboratory Log

- 1-SJ (northwest of Barnes Island):
 6/20/50-3 (also boat 5033J).
 1-SJ (Lopez Sound to East Sound):
 7/1/52.
 1-SJ (Friday Harbor): 6/21/55-2.
 1-JF (west of McArthur Bank):
 8/8/60.
 1-SJ (Lopez Sound): 8/22/60-4.
 1-SJ (West Sound): 6/20/69-2.
 1-SJ (Argyle Bay): 7/10/69-4.

University of Washington Boat Log

- 1-S (off Golden Gardens): 5416.
 1-CS (Point Jefferson to off Carkeek
 Park): 5911B.
 1-CS (off West Point): 6611B.
 7-CS (training cruise area: mid-
 channel, Skiff Point to West
 Point): 6623B; 6819B; 7118B;
 6914B; 7017B; 7213B; 7308B.



Lycodopsis pacifica

Zoarcidae

Published Records

- 1-AI (Port Townsend, north of Kala Point):
Evermann and Goldsborough, 1907.
- 1-AI (Port Ludlow, north of Tala Point):
Evermann and Goldsborough, 1907.
- 1-S (Seattle):
Evermann and Goldsborough, 1907.
- 1-SJ: Starks, 1911.
- 1-SJ: Shelford et al., 1935.
- 5-E (Mukilteo; Columbia Beach; Dines Point; Camano; Watsak Point):
Smith, 1937.
- 3-E (Gedney Island): Smith, 1937.
- 2-HC (Hoodsport): Smith, 1937.
- 3-HC (Skokomish Flats; Holly; Quilcene Bay):
Smith, 1937 (Quilcene Bay record is also museum 4333).
- 1-E (Kiket Island):
Stober and Salo, 1970b.
- 7-E (Port Gardner): Salo, 1969.
- 23-E (Skagit Bay): Salo, 1969.
- 7-S (Duwamish Head): Salo, 1969.
- 1-HC (Anderson Cove): Chew, 1970.
- 1-S (Golden Gardens Beach):
Bayliff, 1959 (also museum 6120).
- 1-CS (beach seine: south side of Point Jefferson): Kendall, 1966.
- 2-CS (off Port Madison):
5719 (also boat 497B); 10583.
- 1-SJ (west of Ram Island):
5751 (also boat 491P).
- 1-B (east of Point Frances):
5777 (also boat 491J).
- 3-CS (Port Madison):
5745 and 5789 (also boat 492B);
5880 (also boat 5006D); 6093.
- 1-E (off Mission Bar):
5873 (also boat 5023E).
- 2-SS (Carr Inlet, off Glen Cove):
5813 (also boat 5009J); 8029
(also boat 5213D).
- 4-S (off Golden Gardens):
5845 (also boat 493B); 6076 (also
boat 5029C); 6903 (also boat
491A); 5735 (also boat 497E).
- 2-E (off Tulalip):
3668; 5951 (also boat 7/1/49-1).
- 1-SJ (Friday Harbor): 3699.
- 1-S (Four-Mile Rock to Pier 91):
5882 (also boat 5027C).
- 1-E (off Warm Beach):
5886 (also boat 5023A).
- 1-CP (Point Defiance): 11054.
- 1-B (Bellingham Bay, 1/2 mile west
of Starr Rock): 11057.
- 1-SS (Drayton Pass.): 14373.
- 1-SJ (north end of East Sound):
5762 (also boat 491M).
- 1-CP (West Pass.): 8395.
- 1-SS (west of Cutts Island):
6902 (also boat 5037C).
- 1-E (Saratoga Pass.): 17991.
- 1-SJ (mid East Sound): 18697
(Friday Harbor Log, 6/5/64).
- 2-SJ (East Sound, south of Rosario
Point):
19453; 19584 (also NIH, 1964-66).

University of Washington
Museum Collection

- 2-PS: 206; 13947.
- 2-SJ (near Olga): 1209; 1495.
- 1-E (Holmes Harbor): 1685.
- 1-SJ (west shore of Blakely Island):
2121.
- 1-SJ (West Sound): 2235.
- 1-SJ (Harney Channel): 2261.
- 1-SJ (Flat Point): 2277.
- 7-SJ (East Sound):
2285; 5361; 6030 (also boat
5033M); 14375 (also Friday Harbor
Log, 8/11/52); 17076 (also Friday
Harbor Log, 6/20/63); 17124;
18696 (also NIH, 1964-66).
- 1-E (Saratoga Pass., Camano Head):
2540.
- 1-E (Saratoga Pass., Sandy Point):
2662.
- 1-E (off Everett): 2904.
- 3-S (Elliott Bay):
2906; 3789; 11053.
- 1-E (Port Susan): 2930.
- 1-E (Coupeville): 3958.
- 1-SS (Carr Inlet): 4348.
- 1-E (Saratoga Pass., Watsak Point):
5327.
- 1-SS (off McLane Cove):
5689 (also boat 7/20/49-3).
- 1-B (east of Vendovi Island):
5690 (also boat 491K).
- 2-SS (Carr Inlet, off Minter Creek):
5691; 6097 (also boat 5037H).

Friday Harbor Laboratory Log

- 1-B (Bellingham Bay): 7/26/51-2.
- 7-SJ (West Sound):
6/23/51; 7/9/52-3 (also boat
5220I); 7/26/60-2; 8/13/60-2;
6/26/61; 7/27/63-B; 6/20/69-2.
- 1-SJ (south of Orcas Island):
6/24/52.
- 2-SJ (Lopez Sound and East Sound):
7/1/52; 7/11/63.
- 1-JF (west of McArthur Bank):
7/7/52-1.
- 4-SJ (lower East Sound): 7/28/55-2;
8/11/55-3; 8/22/55-5,6.
- 1-SJ (off Iceberg Point): 8/4/55-1.
- 1-SJ (west of Center Island):
8/11/55-1.
- 4-SJ (mid East Sound): 8/22/55-7;
2/21/64; 7/11/64; 6/20/69-1.
- 1-SJ (Upright Channel, Odlin Park):
8/22/55-8.
- 1-SJ (north of Hunter Bay):
6/19/50-5 (also boat 5033G).

Lycodopsis pacifica

Zoarcidae

Friday Harbor Laboratory Lab

- 1-SJ (West Sound and Lopez Sound):
6/27/60.
4-SJ (Lopez Sound): 7/6/60-1;
8/22/60-4; 6/16/61; 7/8/69-2.
5-SJ (East Sound):
7/6/60-2; 7/26/60-1; 8/13/60-1;
6/20/61; 7/6/71-1.
2-SJ (Upright Head to Olga):
8/1/60-2; 7/10/61-2.
1-SJ (lower East Sound): 6/26/73-1.

University of Washington Boat Log

- 1-JF (Discovery Bay): 5318A.
1-JF (west of McArthur Bank):
5520A.
1-SJ (West Sound): 5033L.
3-SJ (training cruise area: East
Sound, north of Rosario Point):
6620H; 6717H; 6819H.
1-SJ (training cruise area: Lopez
Sound, southwest of Center
Island): 7118I.
9-E (Holmes Harbor, Rocky Point to
Dines Point): 491Q; 5220D,O;
5234C; 5307C,Q,R; 5312I; 5327C.
1-E (Port Susan, off Spee-Bi-Dah):
5023D.
2-E (mouth of Penn Cove, off Long
Point to off Snatelum Point):
5213A; 5220E.
2-E (Penn Cove, off Coupeville to
off Lovejoy Point):
5213B; 5316I.
2-E (off Oak Harbor to Blower
Bluff): 5220F,N.
2-E (north end of Saratoga Pass.):
5220M; 6821.5B.
11-E (Holmes Harbor, south of
Classic): 5234E; 5305B,G; 5307F,
P,U; 5312E,N; 5316E,N; 5501C.
19-E (Holmes Harbor):
5305I,F,J,M; 5325A,B,C; 5327B;
5405D; 5418A,B; 5420A; 5522D;
5604F,G; 5613Q,R; 5614D; 5810A.
4-E (Holmes Harbor, Dines Point to
Classic):
5312H; 5316A; 5405G; 5501D.
1-E (Saratoga Pass., Saratoga to
Langley): 5321Q.
1-E (Saratoga Pass., Onamac Point to
Indian Beach): 5405L.
7-E (Penn Cove): 5418G; 5420G;
5522G; 5613V,W,X; 5614J.
1-E (Saratoga Pass., Onamac Point to
Snatelum Point): 5418H.
4-E (Everett area):
5712B; 6117I,M,L.
3-E (training cruise area: east of
Gedney Island):
6614C; 6717C; 6815C.
11-E (training cruise area: off Penn
Cove): 6614E; 6717E; 6815E;
6819E; 6826E; 6908E; 7010E;
7017E; 7118E; 7213E; 7313E.

- 3-E (Port Susan, off Kayak Point):
6702A,B,C.
1-E (Port Susan): 6821.5A.
2-E (south Saratoga Pass.):
6722X,Y.
3-E (Saratoga Pass.):
6810B,C; 6821.5D.
1-E (near Penn Cove): 6822E.
1-B (Bellingham Bay): 6822G.
4-B (training cruise area:
Bellingham Bay, southwest of Post
Point):
6614G; 6717G; 6819G; 6815G.
1-AI (training cruise area: east of
north Marrowstone Island):
6603J.
3-HC (Dabob Bay, Broad Spit to Long
Spit): 6702E,F; 6724A.
1-CS (off Port Madison): 5043C.
4-CS (Port Madison):
5048B; 5122A,B; 5132D.
1-CS (off Agate Pass.): 5317C.
2-CS (east of Point Monroe):
5813A,C.
1-CS (trap, Port Madison): 6213.
1-CS (Tramp Harbor): 5104A.
1-CS (Vashon Island, off Sylvan
Beach): 6703A.
2-CS (training cruise area: mid-
channel, Skiff Point to West
Point): 6614B; 6819B.
4-CS (Murden Cove):
6713G,H; 6818B; 6821.5G.
10-PO (off Fletcher Bay to south of
Battle Point):
5317A; 5709C; 5809A,B; 5915B;
5924B; 6016B1,B2; 6205D1; 6320A.
3-PO (most probably off Fletcher
Bay): 6214; 6821.5F; 6203C.
1-PO (off south of Fletcher Bay):
6016B4.
1-PO (between "B-2" and "B-1"):
6205C2.
21-S (off Golden Gardens to Meadow
Point): 498B; 5017B; 5029B,E;
5033A; 5034E,F,G; 5119G; 5129C;
5233D; 5314A,C; 5329C; 5408B;
5707K; 5920E,F; 5924C; 6114A,B.
1-S (off Alki Point to Duwamish
Head): 5027B.
5-S (off Meadow Point to Carkeek
Park): 5039C; 5119B; 5212E;
5915C; 6510B.
1-S (Golden Gardens): 6311A.
13-SS (off Minter Creek to Elgin):
5045G,J; 5046C; 5104D,V; 5126D,F;
5135A,B,C,D; 5227F,I.
7-SS (Carr Inlet, off Glen Cove to
off Taft and Cutts Islands):
5045K; 5102A; 5115F; 5126M;
5227B; 5613F,G.
2-HC (Anderson Cove): 7009B,D.
1-SS (mouth of Carr Inlet, Gertrude
Island to Gibson Point): 5104C.
2-SS (off Wauna, Carr Inlet):
5104E; 5227A.

Lycodopsis pacifica

Zoarcidae

University of Washington Boat Log

- 2-SS (Case Inlet, west of Herron Island): 5126H; 5009G.
 1-SS (northwest end of Nisqually Reach): 5126J.
 2-SS (Carr Inlet): 5522C; 5605B.
 3-SS (Carr Inlet, Glen Cove to Green Point): 6724B-1,2,3.
 1-SS (Case Inlet, east of Hartstene Island): 6724C.

Miscellaneous Log

- 50+-S (off Duwamish Head to Alki Point): U.W. Ocean., 1964-67.
 44-E (Port Gardner Bay): U.W. Ocean., P.G., 1962-67.
 50+-PO (just south of Fletcher Bay): U.W. Ocean., P.O., 1964-65.
 3-S (Golden Gardens to Meadow Point): U.W. Ocean., Hoh, 1963-67.
 45-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
 4-HC (Lynch Cove): U.W. Ocean., Hoh, 1963-67.
 2-HC (Seabeck): U.W. Ocean., Hoh, 1963-67.
 50+-SS (Case Inlet, off Taylor Bay to off Whiteman Cove): U.W. Ocean., Hoh, 1963-67.
 10+-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
 50+-CS (Port Madison): U.W. Ocean., Hoh, 1963-68.
 36-E (Port Susan): U.W. Ocean., Hoh, 1963-67.
 4-E (Port Gardner Bay): U.W. Ocean., Hoh, 1963-67.
 9-E (Penn Cove): U.W. Ocean., Hoh, 1963-67.
 10-E (northeast of Rocky Point): U.W. Ocean., Hoh, 1963-67.
 11-E (Saratoga Pass., Demock Point): U.W. Ocean., Hoh, 1963-67.
 15-E (Holmes Harbor): U.W. Ocean., Hoh, 1963-67.
 1-SS (herring trawl: mouth of Carr Inlet): U.W. Ocean., 1968-69.
 3-AI (Port Townsend Bay): U.W. Ocean., Hoh, S.J., 1966.
 2-B (Padilla Bay; Samish Bay): U.W. Ocean., Hoh, S.J., 1966.
 3-B (Bellingham Bay): U.W. Ocean., Hoh, S.J., 1966.
 3-SJ (West Sound): U.W. Ocean., Hoh, S.J., 1966.
 7-SJ (East Sound): U.W. Ocean., Hoh, S.J., 1966.
 3-E (Penn Cove): U.W. Ocean., Hoh, S.J., 1966.
 2-E (Utsalady): U.W. Ocean., Hoh, S.J., 1966.
 4-E (Port Susan): U.W. Ocean., Hoh, S.J., 1966.
 1-E (Port Gardner Bay): U.W. Ocean., Hoh, S.J., 1966.
 4-E (Holmes Harbor): U.W. Ocean., Hoh, S.J., 1966.
 15-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
 1-SJ (East Sound): NIH, 1968-71.
 1-B (off Nooksack River to Marine Drive, Bellingham Bay): NIH, 1968-71.
 1-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
 44-CS (Port Madison): Van Cleve, trap, 1961-65.
 1-E (Everett): Chapman and DeLacy, personal communication, 1932.
 1-PO (off Fletcher Bay): Van Cleve, trap, 1961-65.
 7-SS (Eld Inlet entrance): Van Cleve, trap, 1961-65.
 6-E (Holmes Harbor): Van Cleve, trap, 1961-65.
 6-E (Saratoga Pass., west side just south of Penn Cove): Van Cleve, trap, 1961-65.
 1-CS (south of Possession Point): NMFS, Cobb, 2/28/73.
 1-GS (south of Cherry Point): Sea Grant, 72009.
 2-GS (south of Cherry Point): Sea Grant, 72019.
 2-B (Bellingham Bay, off Nooksack River): Sea Grant, 72035.
 3-S (beach seine: north side of West Point): Sea Grant, 1973.
 3-S (off northwest side of West Point): Sea Grant, 1973.
 2-S (off southwest side of West Point): Sea Grant, 1973.
 1-S (deep otter trawl: off West Point): Sea Grant, 1973.
 4-S (deep otter trawl; off southwest of Alki Point): Sea Grant, 1973.
 3-PO (off south of Fletcher Bay): Sea Grant, 73008.
 1-B (Bellingham Bay, off Nooksack River): Sea Grant, 73032.
 12-SS (mid-channel, McLane Cove to Stretch Island): Sea Grant, 1973-74.
 6-HC (off Union): Sea Grant, 1973.
 12-HC (mid-channel, off Union): Sea Grant, 1973-74.
 5-HC (off Skokomish River delta): Sea Grant, 1973.
 12-HC (deep otter trawl: mid-channel, off Skokomish River delta): Sea Grant, 1973-74.
 1-SS (Cormorant Pass.): Sea Grant, 73059.
 1-SS (Tatsolo Point): Sea Grant, 73059.
 2-SS (Cormorant Pass.): Sea Grant, 73060.
 1-SJ (East Sound): A.C. DeLacey, personal communication, 6/20/69.
 1-B (Eliza Island): NMFS, Cobb-68.
 1-HC (Dabob Bay): NMFS, Cobb-69-1.

Lycodopsis pacifica

Zoarcidae

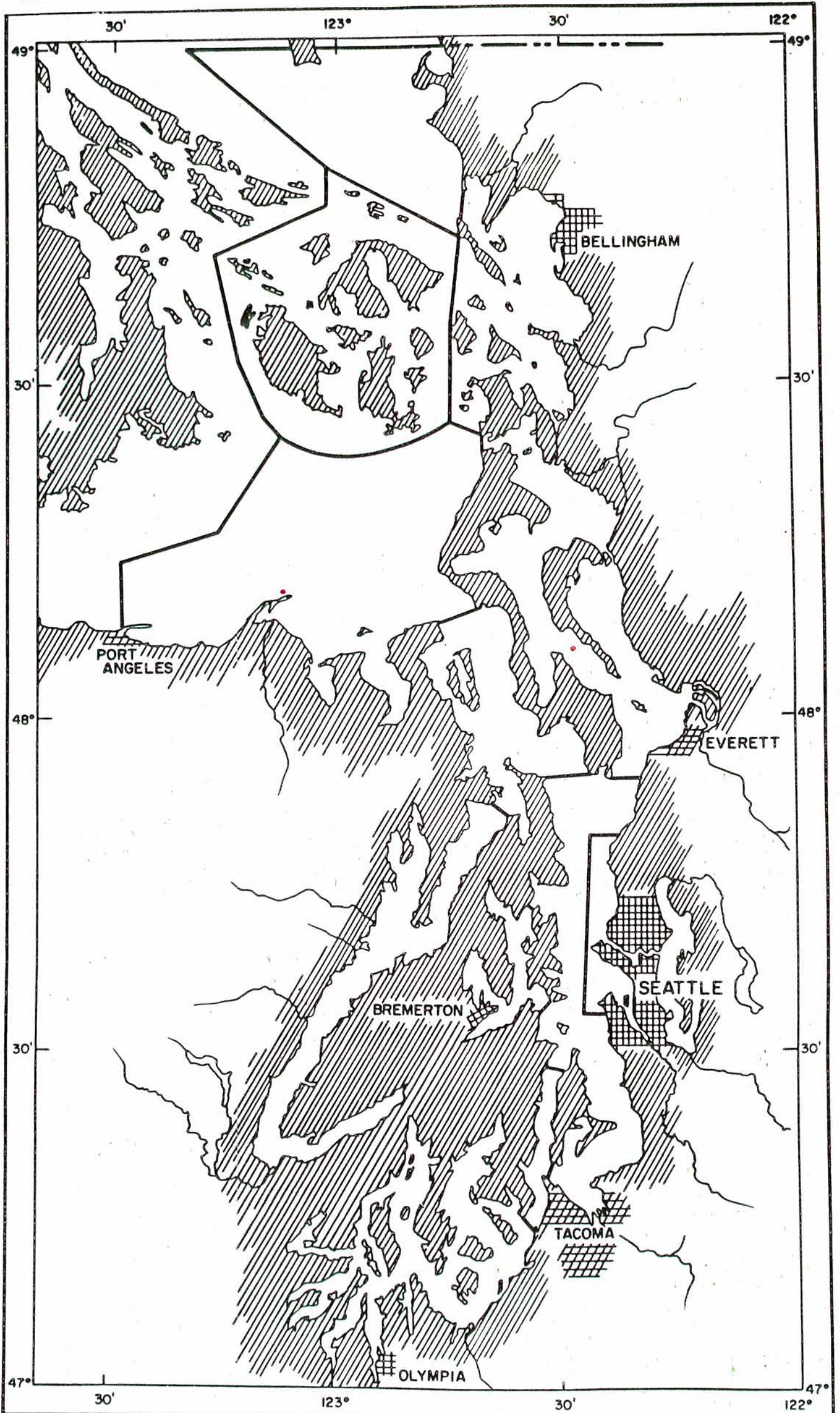
Miscellaneous Logs

3-SJ (East Sound):

Bruce Miller, Diving Log,
6/26/66; 7/15/66; 7/29/66.

2-S (southwest of Alki Point):

Sea Grant, 1973.

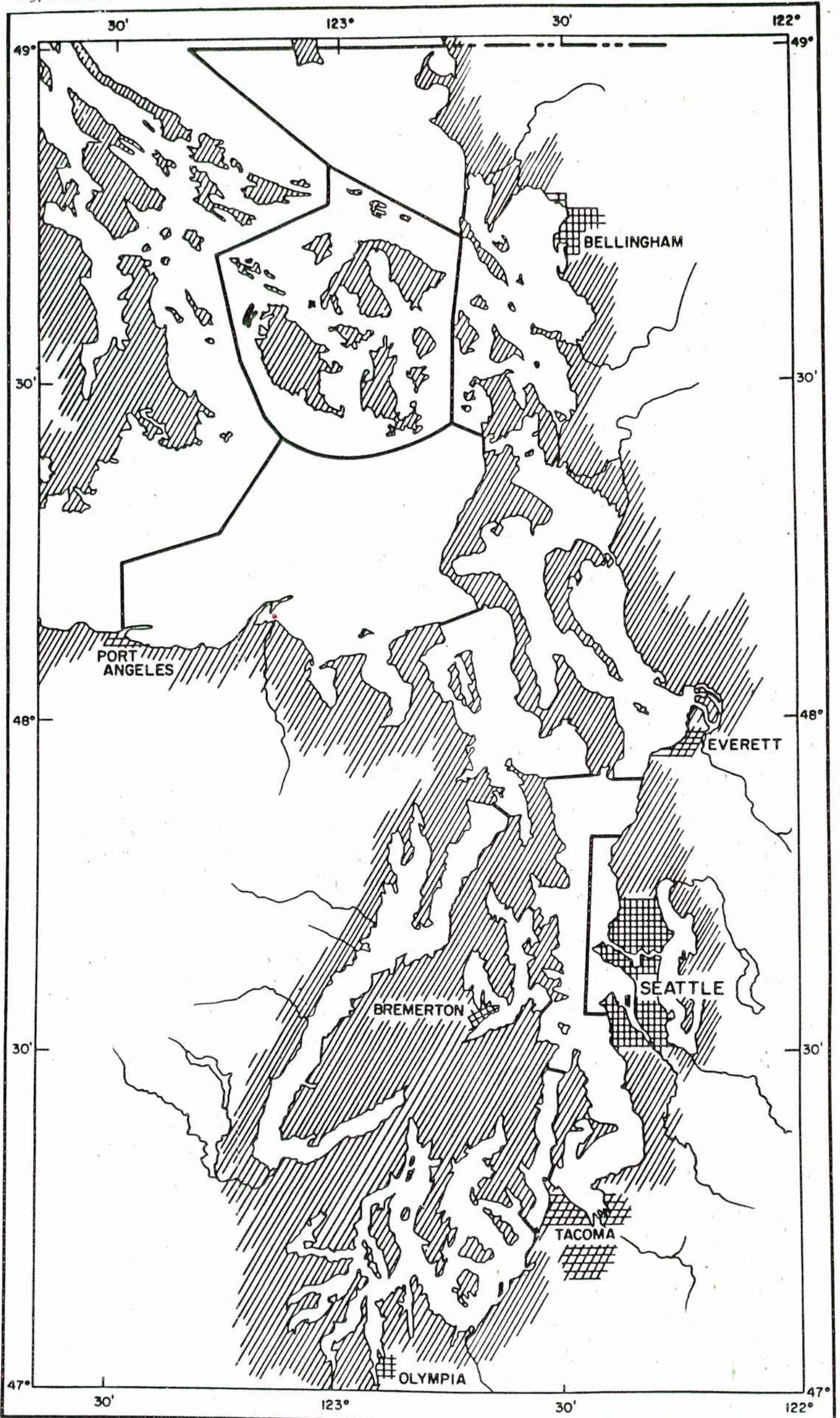


Coloïabis saira

Scomberesocidae

University of Washington
Museum Collection

- 1-JF (Ediz Hook, off Port Angeles,
one of a school): 4740.
1-E (Saratoga Pass.): 5388.

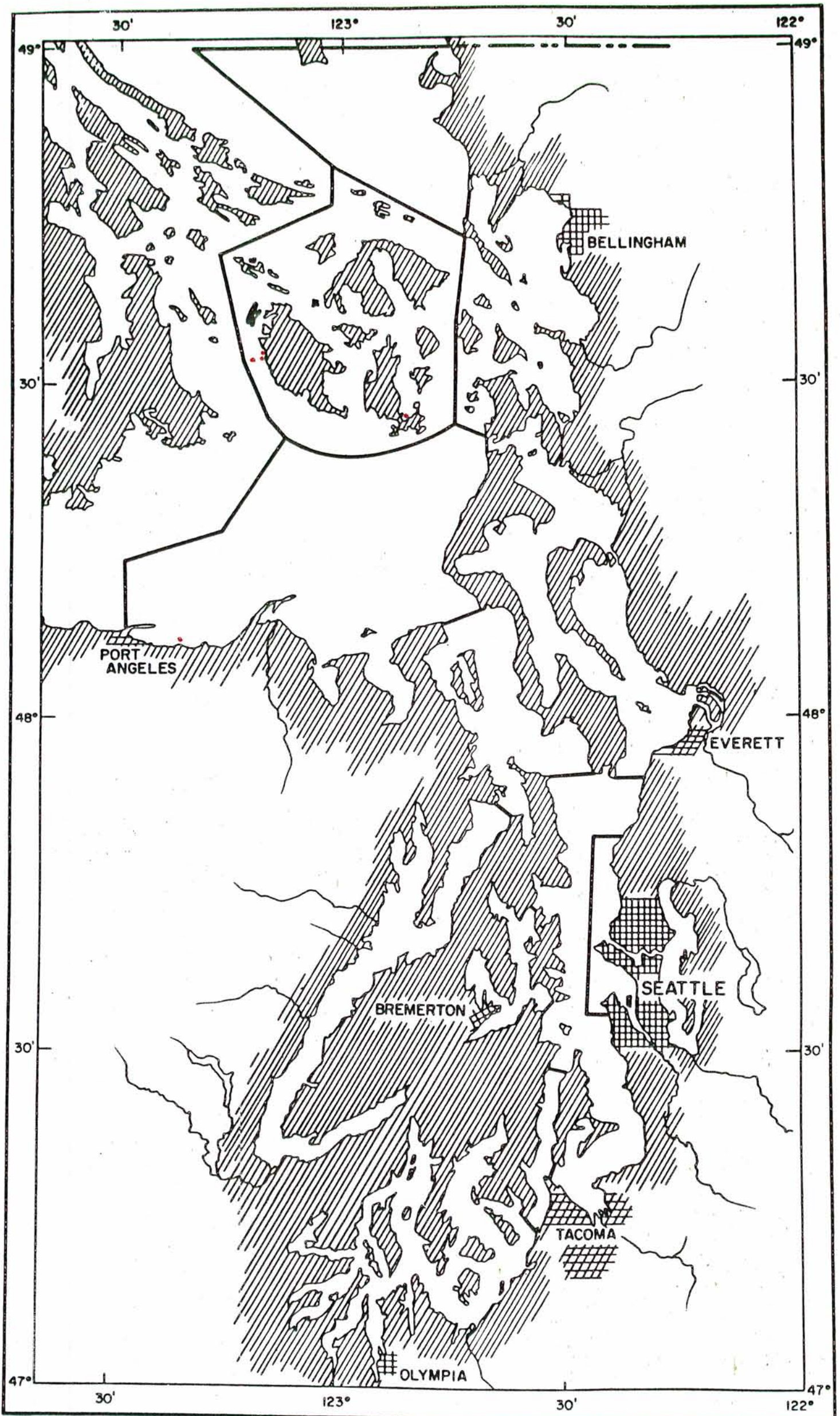


Cyprinoāon variegatus

Cyprinodontidae

Published Records

1-JF (estuary near Dungeness River
mouth): Greenfield and Grinols,
1965 (also museum 7725).



Trachipterus altivelis

Trachipteridae

Published Records

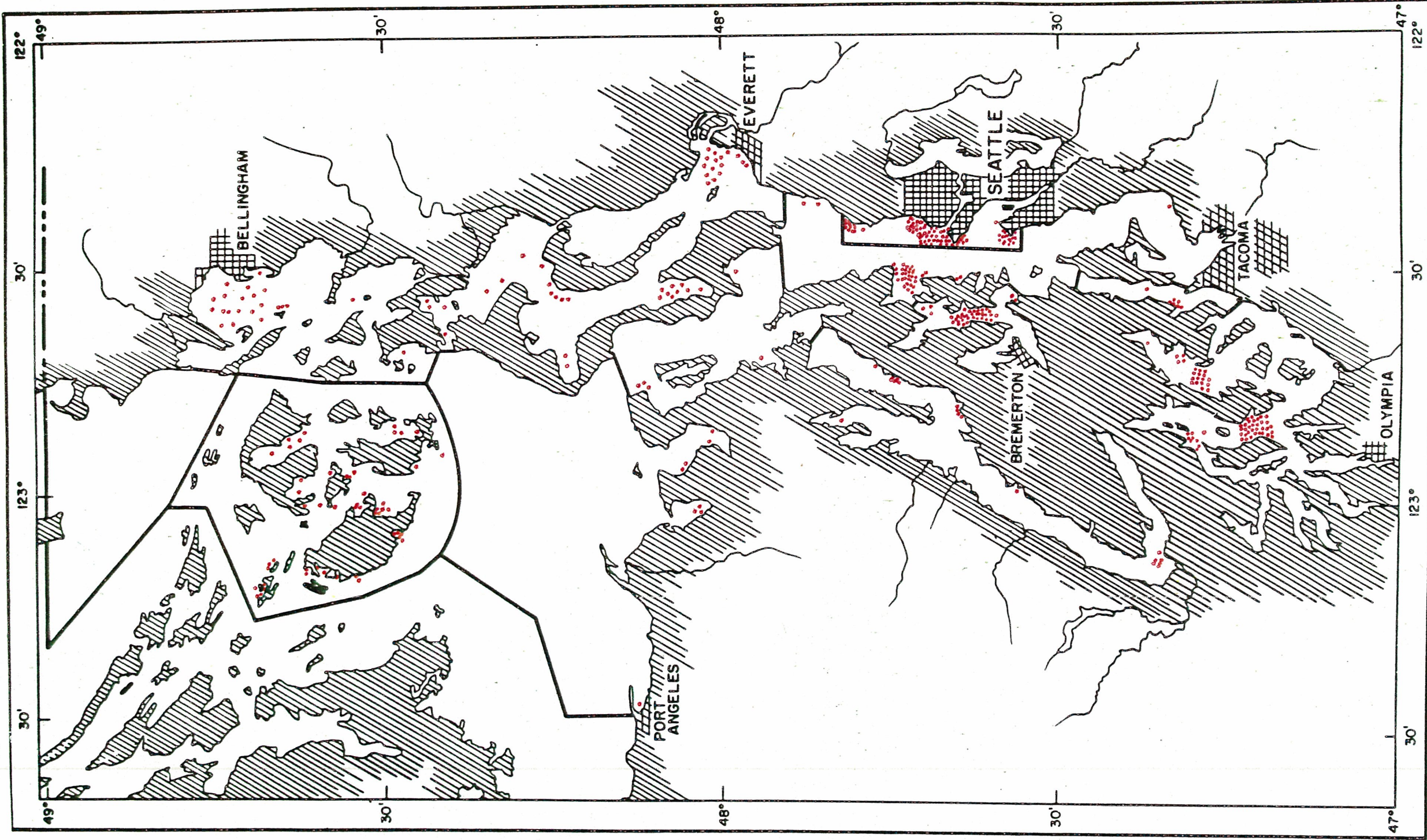
- 1-SJ (reef netters): Walker, 1953.
1-PS: Kincaid, 1919.
1-JF (near Morse Creek):
Seattle Times, 6/24/65.

University of Washington
Museum Collection

- 1-PS: 200528

Friday Harbor Laboratory Log

- 1-SJ (found on beach: Mud Bay, Lopez
Island, at Henderson's Camp):
8/22/55.
1-SJ (Haro Strait): 8/27/68.
1-SJ (San Juan Park, Haro Strait):
Spring, 1969.
1-SJ (found on beach, San Juan
Park): 8/1/73.



Aulorhynchus flavidus

Gasterosteidae

Published Records

- 1-AI (Port Townsend):
Steindachner, 1877.
1-JF (beach seine: Port Angeles):
Gilbert, 1895.
1-AI (Port Ludlow): Starks, 1896b.
2-AI (Port Townsend):
Evermann and Goldsborough, 1907.
1-SJ: Starks, 1911.
1-HC: Schultz and DeLacey, 1935-36.
2-E (Similk Bay):
Stober and Salo, 1970a.
1-E (Skagit Bay):
Stober and Salo, 1970a.
1-S (Duwamish Head): Salo, 1969.
3-E (Kiket Island to Strawberry
Point): Stober and Salo, 1970b.
2-B (beach seine: Bellingham Bay,
north of Eliza Island):
Tyler, 1964.
3-CS (beach seine: south side of
Point Jefferson): Kendall, 1966.

University of Washington
Museum Collection

- 1-S (Youngs Cove): 11.
1-PS (near Whidbey Island): 14.
1-SJ (Davis Bay): 599.
1-SJ: 733.
16-S (Alki Point):
757; 781; 818; 1439; 1922; 3632;
4227; 4238; 4440; 658; 925; 4393;
4819; 4898; 6155; 6197.
11-S (Golden Gardens):
768; 6002 (also boat 5021A); 5904
(also boat 5032.1C); 5913 (also
boat 5032.1E); 5808 (also boat
5036A); 5647; 6066 (also boat
5047A); 8209 (also boat 492E);
8851; 14087; 16431.
1-SJ (Brown Island): 2136.
1-SJ (West Sound): 2231.
1-SJ (Blind Bay): 2248.
1-SJ (Deer Harbor): 2968.
1-B (Burrows Bay): 4179.
1-PO (Seabold): 4342.
1-CS (Port Madison, west of Point
Jefferson): 4442.
2-PS: 4635; 8216.
1-CS (mouth of Port Madison): 6083.
1-SS (beach seine: west side of
Cutts Island):
8200 (also boat 5037E).
1-SJ (Prevost Harbor): 10446 (also
Friday Harbor Log, 8/19/52).
1-SJ (north side Johns Island,
second bay): 14088 (also Friday
Harbor Log, 8/19/52-1).
1-SJ (Smallpox Bay): 14089.
1-E (Everett): 14090.
1-PO (Agate Pass.): 14093.
1-B (Chuckanut Bay): 18283.
1-SJ (Iceberg Point): 2975.
4-S (North Beach):
4247; 4498; 4525; 4682.

- 2-S (south of West Point):
4370; 4404.
1-S (Ballard Beach): 4269.
7-S (Edmonds): 4256; 4919; 4932;
4933; 4934; 5288; 6119.
1-S (off Ballard Locks): 4379.
4-S (Edmonds Beach):
4473; 4551; 5471; 5488.
1-S (spit near Ballard Locks):
4584.
1-CS (beach seine: Redondo): 4730.
1-S (Edwards Point to Wells Point):
4977 and 4979.
4-S (Carkeek Park):
5529; 5557; 5567; 5977.
1-S (off Golden Gardens):
14126 (also boat 498A).
1-S (beach seine: Carkeek Park):
14695 (also boat 5808A).
1-SJ (north side of Johns Island,
second bay): 16432.
1-B (Saddlebag Island): 16692.
1-SJ (False Bay): 17973 (also
Friday Harbor Log, 8/4/52-1).
10-S (beach seine: Golden Gardens):
14120 (also boat 5129B); 14113
(also boat 5215U); 14125 (also
boat 5015A); 14127 (also boat
5209C); 16409 (also boat 5040A);
16410 (also boat 5134A); 17842
(also boat 5001); 17843 (also
boat 5007D); 17844; 17845.
1-SJ (East Sound, south of Rosario
Point):
19462 (also NIH, 1964-66).

Friday Harbor Laboratory Log

- 1-SJ (Satellite Island): 7/10/50-6.
2-SJ (east Roche Harbor):
7/31/50-2,3.
3-SJ (False Bay):
8/4/52-2; 8/5/60; 7/18/67.
1-SJ (north side of Johns Island,
second bay): 8/19/52-2.
1-SJ (Prevost Harbor): 8/19/52.
1-SJ (Garrison Bay): 6/25/55-3.
3-SJ (Squaw Bay):
8/1/55; 8/1/60-1; 7/10/61-1.
1-SJ (Brown Island): 8/2/55.
2-SJ (south of Satellite Island):
8/15/55-1,2.
1-SJ (Mud Bay): 8/15/55-3.
1-SJ (south of Neck Point):
8/14/50-1.
1-SJ (north of Neck Point):
8/14/50-2.
1-SJ (outside False Bay):
8/17/55-1.
1-SJ (Mitchell Bay): 8/16/60-1.
1-SJ (Westcott Bay): 8/16/60-2.
1-SJ (White Beach): 8/16/60-4.
2-SJ (North Bay): 8/16/60-1,2.
1-SJ (McArdle Bay): 8/22/60-3.
3-SJ (Argyle Bay):
7/12/61-4; 7/15/63; 7/8/67.

Aulorhynchus flavidus

Gasterosteidae

Friday Harbor Laboratory Log

- 1-SJ (Smallpox Bay): 7/13/61.
 1-SJ (Turn Island): 7/30/61.
 1-SJ (San Juan Island): 5/62.
 1-SJ (Upright Channel): 7/5/63.
 1-SJ (Friday Harbor Lab):
 7/22/69-2.

University of Washington Boat Log

- 1-SJ (training cruise area: East Sound, north of Rosario Point): 6603H.
 3-SJ (training cruise area: Lopez Sound, southwest of Center Island): 7118I; 7307I; 7110I.
 1-E (Holmes Harbor, Dines Point to Classic): 5305C.
 2-E (Holmes Harbor): 5305M; 5604I.
 1-E (Holmes Harbor, south of Classic): 5307N.
 1-HC (Dabob Bay, Broad to Long Spit): 6702F.
 1-HC (Anderson Cove): 7009C.
 2-CS (beach seine: Fay Bainbridge State Park): 5806A,B.
 2-CS (Murden Cove): 6613A; 6710A.
 13-S (off Golden Gardens):
 4/2/49-2; 4/16/49-4; 494A,B;
 498B; 5034B; 5112E; 5131C; 5132A,
 B; 5512E,F; 5704D.
 40-S (beach seine: Golden Gardens to Meadow Point):
 5024A,C; 5032.1A; 5047B,C; 5105A,
 B; 5114A,B,C; 5116B,C1,E; 5121B;
 5127C; 5134B; 5137A,B; 5209D;
 5214B; 5215B,C,H,K,M,N; 5320A;
 5324E; 5328A; 5329E; 5415B;
 5424B; 5505F; 5508C,D; 5513C,D;
 5612A; 5710D; 6207A.
 7-S (beach seine: Carkeek Park):
 5220A; 5225A; 5231A; 5708B,C,D;
 5808B.
 2-S (off Meadow Point to Carkeek Park): 7120A,B.
 2-PO (south of Eattle Point):
 5223B; 5228E.
 1-PO (off Fletcher Bay): 5707A.
 1-PO (beach seine: 1 mile north of Illahee State Park): 6205A1.
 1-PO (trap): 6203B.
 1-PO (off Seabold): 6617A.
 1-CP (off Camp Sealh): 5009E.
 1-SS (east of Cutts Island): 5037D.
 1-SS (Carr Inlet): 5522C.
 2-SS (Carr Inlet, west of Raft Island): 5045H; 5104M.
 1-SS (off Wauna): 5101A.
 2-S (beach seine: Golden Gardens):
 6211; 6509.
- 10+-E (east of Gedney Island):
 R. Tyler, personal communication,
 6/3/63.
 1-S (off Duwamish Head to Alki Point): U.W. Ocean., 1964-67.
 2-E (Port Gardner Bay):
 U.W. Ocean., P.G., 1962-67.
 27-PO (just south of Fletcher Bay):
 U.W. Ocean., P.O., 1964-65.
 50+-S (Golden Gardens to Meadow Point):
 U.W. Ocean., Hoh, 1963-67.
 3-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
 27-SS (Case Inlet, off Taylor Bay to off Whiteman Cove):
 U.W. Ocean., Hoh, 1963-67.
 17-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
 18-CS (Port Madison):
 U.W. Ocean., Hoh, 1963-68.
 1-E (Penn Cove):
 U.W. Ocean., Hoh, 1963-67.
 4-E (Saratoga Pass., Demock Point):
 U.W. Ocean., Hoh, 1963-67.
 1-E (off Rocky Point to off Utsalady Point):
 U.W. Ocean., Hoh, 1963-67.
 4-E (Holmes Harbor):
 U.W. Ocean., Hoh, 1963-67.
 1-AI (Useless Bay):
 U.W. Ocean., Hoh, S.J., 1966.
 1-SJ (East Sound):
 U.W. Ocean., Hoh, S.J., 1966.
 2-E (Penn Cove; Utsalady):
 U.W. Ocean., Hoh, S.J., 1966.
 1-E (Holmes Harbor):
 U.W. Ocean., Hoh, S.J., 1966.
 1-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
 6-S (Meadow Point to Carkeek Park):
 NIH, 1968-71.
 1-HC (Big Beef Harbor): NIH, 69042.
 1-SS (Case Inlet, Stretch Island to Herron Island): NIH, 1968-71.
 2-CS (Port Madison):
 Van Cleve, trap, 1961-65.
 1-PO (off Fletcher Bay):
 Van Cleve, trap, 1961-65.
 1-SS (north part of Pickering Pass.):
 Van Cleve, trap, 1961-65.
 3-JF (lower half of Sequim Bay):
 Sea Grant, 71111.
 2-JF (upper Discovery Bay):
 Sea Grant, 71111.
 2-JF (lower Discovery Bay):
 Sea Grant, 71111.
 1-SJ (Argyle Bay): Bruce Miller,
 Diving Log, 7/20/66.
 1-SJ (southeast shore of East Sound): Bruce Miller, Diving Log, 8/18/66.
 1-CS (Picnic Point Beach): Bruce Miller, Diving Log, 10/2/70.

Miscellaneous Logs

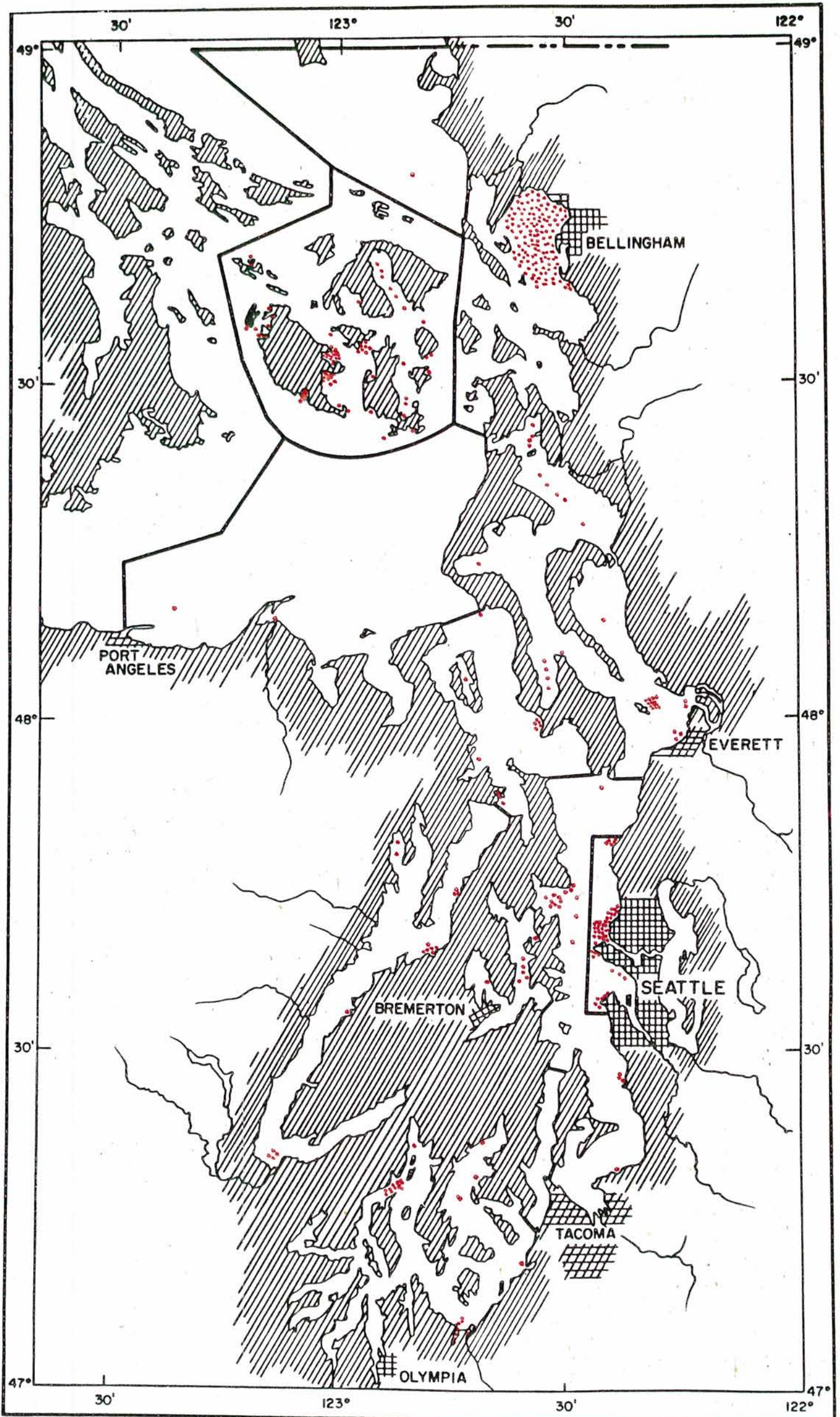
- 10+-B (Bellingham Bay, north of Eliza Island): R. Tyler,
 personal communication, 6/3/63.

Aulorhynchus flavidus

Gasterosteidae

Miscellaneous Logs

- 4-S (Golden Gardens):
S.L. Ralston, Diving Log, 1971.
- 1-E (Bowman Bay):
S.L. Ralston, Diving Log, 1971.
- 6-CP (beach seine: Gig Harbor spit):
Sea Grant, 72003 (also boat
7208).
- 3-AI (beach seine: Mutiny Bay):
Sea Grant, 72015.
- 1-B (beach seine: Wildcat Cove
launch ramp): Sea Grant, 72029.
- 1-S (beach seine: Golden Gardens):
Sea Grant, 72032.
- 3-AI (beach seine: Mutiny Bay):
Sea Grant, 72033.
- 3-B (just east of Eliza Island):
Sea Grant, 72035.
- 3-S (beach seine: north side of West
Point): Sea Grant, 1973.
- 2-S (beach seine: south side of West
Point): Sea Grant, 1973.
- 1-CS (beach seine: Lunds Gulch,
north of Meadowdale):
Sea Grant, 73002.
- 11-S (north of Meadow Point to
Carkeek Park): Sea Grant, 1973.
- 3-HC (off southwest of Big Beef
Harbor): Sea Grant, 1973.
- 1-B (beach seine: Wildcat Cove
launch ramp): Sea Grant, 1973.
- 5-SS (McLane Cove toward Stretch
Island): Sea Grant, 1973.
- 3-SS (east side of Dougall Point):
Sea Grant, 1973-74.
- 1-SS (mid-channel, McLane Cove to
Stretch Island):
Sea Grant, 1973.
- 1-HC (off Union): Sea Grant, 1973.
- 5-HC (off Skokomish River delta):
Sea Grant, 1973-74.
- 1-HC (beach seine: just north of
Vinland): Sea Grant, 73038.
- 1-AI (Mutiny Bay):
Sea Grant, 73049.
- 5-HC (Bangor Annex): Kramer, Chin
and Mayo, NCEL Survey, 1973.
- 2-PO (Clam Bay): NIH, 1968-71.



Gasterosteus aculeatus

Gasterosteidae

Published Records

- 1-SS (Fort Steilacoom):
Girard, 1857a; 1859.
1-S (Ballard):
Jordan and Starks, 1896.
1-AI (Port Ludlow): Starks, 1896b.
1-AI (Admiralty Head):
Evermann and Goldsborough, 1907.
1-AI (Kilisut Harbor):
Evermann and Goldsborough, 1907.
1-SJ: Starks, 1911.
1-SJ (Friday Harbor): Powers, 1921.
1-SJ: Shelford et al., 1935.
1-HC (Holly):
Schultz and DeLacy, 1935-36.
6-E (Kiket Island to Strawberry
Point): Stober and Salo, 1970b.
1-E (Skagit and Similk Bays):
Stober and Salo, 1970b.
1-E (beach seine: Kiket Island):
Stober and Salo, 1970a.
1-E (Port Gardner): Salo, 1969.
3-CS (beach seine: south side of
Point Jefferson): Kendall, 1966.
1-CS (Dumas Bay): Miller, 1971b.
54-B (beach seine: Bellingham Bay,
north of Eliza Island):
Tyler, 1964.
62-B (tow net: Bellingham Bay, north
of Eliza Island): Tyler, 1964.
3-HC (fyke net: in Big Beef Harbor):
Anderson and Chew, 1972.
1-SJ (Squaw Bay): Kohlruss, 1933.

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Museum Collection

- 1-S (Pipers Canyon): 146.
2-SJ (False Bay): 561; 1130.
3-SJ (Squaw Bay): 565; 2175; 689.
3-SJ (East Sound): 700; 4970; 7389.
2-S (Seattle): 713; 839.
1-SJ: 725.
4-S (Alki Point):
750; 788; 1922; 660.
1-SJ (near Peavine Pass.): 1112.
1-SJ (near Olga): 1136.
1-SJ (Davis Bay): 1189.
1-SJ (False Bay Reef): 1489.
9-SJ (Friday Harbor):
2097; 2189; 11280; 11281; 11282;
14095; 14097; 14099; 14100.
3-HC (Bywater Bay):
4438; 14654; 4457.
2-S (North Beach): 4492; 4639.
5-S (Edmonds Beach):
4549; 5294; 5300; 5472; 7399.
1-CS (off Cultus Bay):
5921 (also boat 5032A).
2-E (Snohomish River mouth):
8214; 5093.
1-HC (Quilcene): 8593.
1-HC (beach seine: Quilcene Bay):
14737.
1-JF (Dungeness River mouth):
16701.

- 1-AI: 17028.
5-S (Golden Gardens): 5768 (also
boat 5001); 6006 (also boat
5021G); 6016 (also boat 5021B);
5799 (also boat 5036A); 18036.
1-GS (near Alden Bank): 5076.
1-S (Carkeek Park): 5531.
1-SJ (Fishermans Bay): 7360.
1-S (Elliott Bay):
14098 (also boat 5702AC1).
2-S (beach seine: Golden Gardens):
14114 (also boat 5134A); 16438
(also boat 5040A).
1-HC (Big Beef Harbor): 19005.
1-SJ (Upright Channel): 17202 (also
Friday Harbor Log, 7/5/63).
1-SJ (Iceberg Point): 17988 (also
Friday Harbor Log, 7/18/63-2).
1-SJ (training cruise area: Lopez
Sound, southwest of Center
Island):
19415 (also boat 6517I).

Friday Harbor Laboratory Log

- 1-SJ (Jackles Lagoon, Cattle Point):
6/29/51.
1-SJ (Argyle Pond): 7/3/52.
15-SJ (Argyle Bay):
7/21/52; 8/16/55-1,4; 7/5/60;
7/15/60-2; 8/11/60-2,3,4;
6/23/61; 7/12/61-1,3; 7/18/61-2;
8/3/61; 7/15/63; 7/8/67.
11-SJ (Friday Harbor Lab):
7/30/52; 7/31/52; 8/1/52; 8/2/52;
7/6/52; 7/7/52; 7/50; 8/4/61-2;
7/12/69-2; 7/21/69-2; 7/22/69-2.
3-SJ (Mitchell Bay):
6/25/55-2; 8/16/60-1; 7/17/61-2.
1-SJ (Garrison Bay): 6/25/55-3.
3-SJ (Squaw Bay):
8/1/55; 8/1/60-1; 7/10/61-1.
1-SJ (south of Satellite Island):
8/15/55-2.
1-SJ (Mud Bay): 8/15/55-3.
1-SJ (Satellite Island): 7/10/50-6.
1-SJ (west of Goose Island):
7/13/50-4.
1-SJ (west of Decatur Head):
7/24/50-1.
2-SJ (west of Armitage Island):
7/24/50-7,8.
1-SJ (east of Roche Harbor):
7/31/50-2.
1-SJ (Open Bay): 7/31/50-4.
1-SJ (south of Neck Point):
8/14/50-1.
1-SJ (south of Frost Island):
6/19/50-2 (also boat 5033D).
8-SJ (False Bay):
7/17/50-1; 7/14/60; 7/24/60;
8/5/60; 6/29/61; 7/26/61; 8/8/61;
6/21/67-1; 7/18/67.
1-SJ (Westcott Bay): 8/16/60-2.
1-SJ (White Beach): 8/16/60-4.

Gasterosteus aculeatus

Gasterosteidae

Friday Harbor Laboratory Log

- 8-SJ (Argyle Lagoon):
7/2/60; 7/11/60-1; 7/15/60-3;
7/31/60; 8/11/60-1; 7/12/60-2;
7/10/69-2,3.
2-SJ (North Bay): 8/18/60-1,2.
1-SJ (McArdle Bay): 8/22/60-3.
1-SJ (Mosquito Pass.): 7/17/61-1.
1-SJ (San Juan Island): 5/62.
1-SJ (Squaw Bay or West Sound):
6/30/67.
1-SJ (Squaw Bay-Ogden): 6/27/69.
1-SJ (night light: Friday Harbor
Lab dock): 7/28/73.

University of Washington Boat Log

- 2-E (Holmes Harbor): 5325A; 7110D2.
1-E (night light: Whidbey Island,
near East Point): 7213.
1-SJ (training cruise area: East
Sound, north of Rosario Point):
6717H.
3-B (training cruise area:
Bellingham Bay, southwest of Post
Point): 6630G; 7017G2, G1.
14-S (beach seine: Golden Gardens to
Meadow Point):
5032.1D; 5047A; 5116G2; 5121B;
5127C; 5129B; 5215H, I, L; 5414D;
5508C; 5612A; 5909E; 6509.
5-S (beach seine: Carkeek Park):
5221C; 5225A, B; 5313B; 5708B.
1-S (off Golden Gardens to Meadow
Point): 5508F.
1-S (beach seine: Alki Point to
Duwamish Head): 6619N.
1-PO (off Fletcher Bay): 6320B.
1-PO (night light: in Manzanita
Bay): 5518.
1-CS (trap: Port Madison): 6213.
1-SS (beach seine: west side of
Cutts Island): 5037E.
1-SS (beach seine: 1 mile north of
Minter Creek): 5126E.
1-SJ (night, south end of Lopez
Sound): 7017.

Miscellaneous Logs

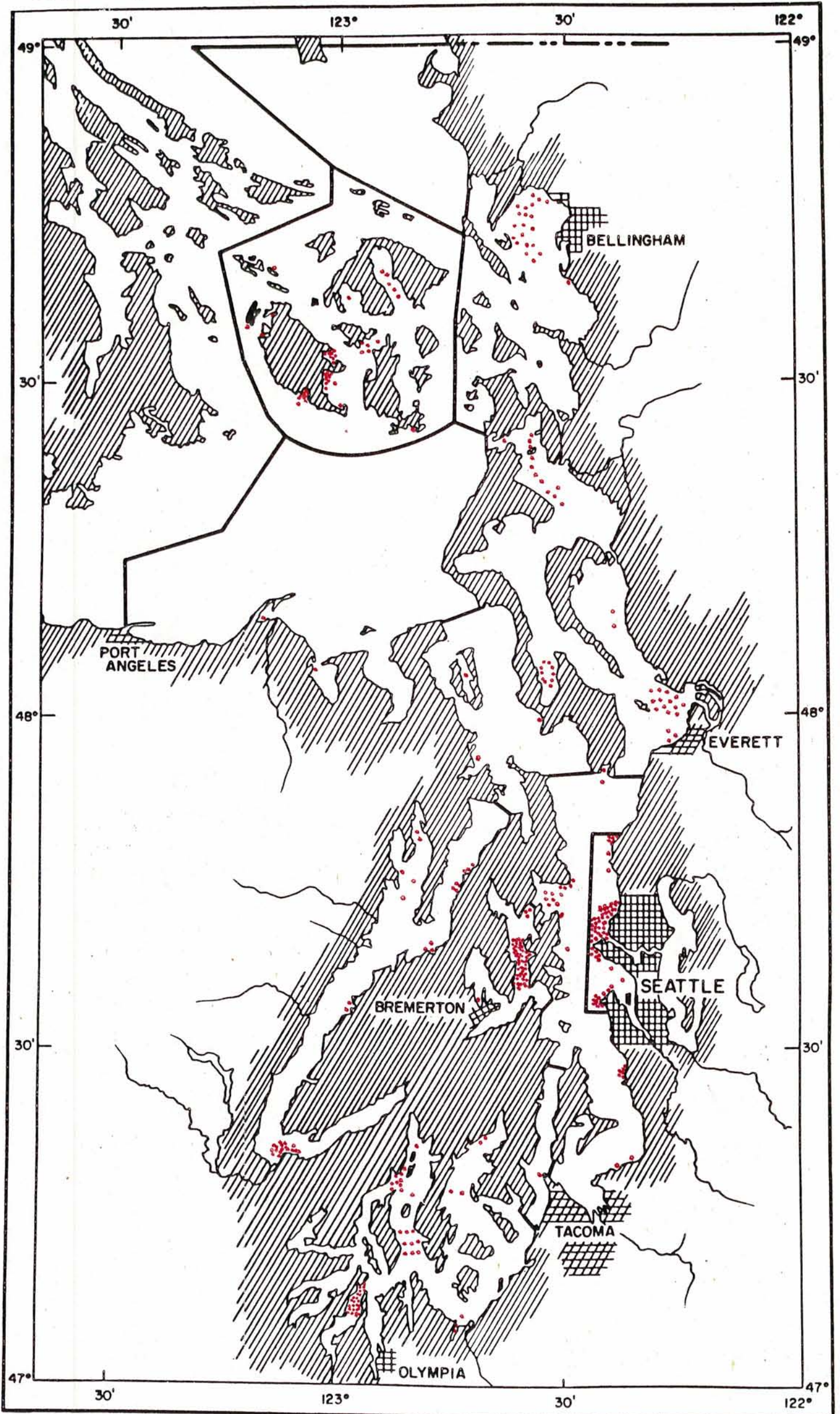
- 10+-E (east of Gedney Island):
R. Tyler, personal communication,
6/3/63.
1-JF (mid-channel, north of Morse
Creek): NMFS, Cobb-76.
10+-B (Bellingham Bay):
FRI, Tyler Data Sheets, 1965.
1-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
1-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
10-PO (just south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
26-S (Golden Gardens to Meadow
Point):
U.W. Ocean., Hoh, 1963-67.
- 1-SS (Carr Inlet, off Horsehead
Bay): U.W. Ocean., Hoh, 1963-67.
1-E (Port Gardner Bay):
U.W. Ocean., Hoh, 1963-67.
1-E (Penn Cove):
U.W. Ocean., Hoh, 1963-67.
1-E (herring trawl: Port Susan):
U.W. Ocean., 1968-69.
3-PO (herring trawl: south of
Fletcher Bay):
U.W. Ocean. 1968-69.
1-SJ (East Sound, south of Rosario
Point): NIH, 1964-66.
1-SJ (Argyle Spit): NIH, 1968-71.
1-B (Bellingham Bay, Nooksack River
to Marine Drive): NIH, 1968-71.
3-S (Golden Gardens to Carkeek
Park): NIH, 1968-71.
1-PO (Clam Bay): NIH, 1968-71.
2-CS (Port Madison):
Van Cleve, trap, 1961-65.
1-SJ (Argyle Bay): Bruce Miller,
Diving Log, 7/20/66.
1-SS (Case Inlet, North Bay):
S.L. Ralston, Diving Log, 1971.
1-AI (South Whidbey State Park):
S.L. Ralston, Diving Log, 1971.
1-S (south of Carkeek Park):
Sea Grant, 3/17/71.
5-AI (beach seine: Mutiny Bay):
sea Grant, 72015.
3-CS (beach seine: Seahurst County
Park): Sea Grant, 72016.
1-PO (beach seine: Dyes Inlet,
Tracyton launch ramp):
Sea Grant, 72018.
2-SS (beach seine: Nisqually Head):
Sea Grant, 72021.
1-S (beach seine: north side of West
Point): Sea Grant, 1973.
4-S (beach seine: south side of West
Point): Sea Grant, 1973.
1-S (north of Meadow Point to
Carkeek Park): Sea Grant, 1973.
4-SS (McAllister Creek estuary):
Sea Grant, 1973.
2-HC (off southwest of Big Beef
Harbor): Sea Grant, 1973.
1-HC (Big Beef Creek-Harbor, above
bridge): Sea Grant, 1973.
4-B (beach seine: Wildcat Cove):
Sea Grant, 1973.
10+-SS (mid-channel, McLane Cove to
Stretch Island):
Sea Grant, 1973.
1-HC (off Big Beef Harbor):
Sea Grant, 72026.
4-HC (Skokomish River delta):
Sea Grant, 1973.
3-HC (Bangor Annex): Kramer, Chin
and Mayo, NCEL Survey, 1973.
5-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
3-CS (herring trawl: Skiff Point to
Point Jefferson):
U.W. Ocean., 1968-69.

Gasterosteus aculeatus

Gasterosteidae

Miscellaneous Logs

- 1-E (Holmes Harbor):
U.W. Ocean., Hoh, S.J., 1966.
- 1-E (Holmes Harbor):
Van Cleve, trap, 1961-65.



Syngnathus griseolineatus

Syngnathidae

Published Records

- 1-AI (Port Ludlow): Starks, 1896b.
 1-AI (Kilisut Harbor):
 Evermann and Goldsborough, 1907.
 1-SJ: Starks, 1911.
 1-SJ: Shelford et al., 1935.
 1-HC (Holly):
 Schultz and DeLacy, 1935-36.
 1-E (Skagit and Similk Bays):
 Stober and Salo, 1970b.
 1-S (Duwamish Head): Salo, 1969.
 9-E (townet: Kiket Island to
 Strawberry Point):
 Stober and Salo, 1970b.
 8-B (beach seine: Bellingham Bay,
 north of Eliza Island):
 Tyler, 1964.
 2-B (townet: Bellingham Bay, north
 of Eliza Island): Tyler, 1964.
 4-CS (beach seine: south side of
 Point Jefferson): Kendall, 1966.
 1-CS (Dumas Bay): Miller, 1971b.
 1-CS (Seahurst County Park):
 Miller, 1971b.
 1-HC (Anderson Cove): Chew, 1970.
 1-HC (fyke net: in Big Beef Harbor):
 Anderson and Chew, 1972.
 1-E (beach seine: Kiket Island):
 Stober and Salo, 1970a.

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- 2-SJ (East Sound): 631; 746.
 3-SJ (False Bay): 586; 570; 1131.
 1-S (Pipers Canyon): 140.
 1-S (West Seattle): 186.
 1-SJ (Squaw Bay): 560.
 1-SJ (East Sound, White Beach):
 592.
 1-SJ (Flat Point): 719.
 1-SJ: 735.
 1-S (Seattle): 838.
 7-S (Alki Point): 1922; 4504; 4825;
 4831; 4895; 5129; 6214.
 2-SJ (Friday Harbor): 2104; 14059.
 12-S (Golden Gardens):
 4181; 6004 (also boat 5021A);
 6007 (also boat 5021G); 5945
 (also boat 5032.1A); 5939 (also
 boat 5032.1B); 5912 (also boat
 5032.1C); 5930 (also boat
 5032.1D); 5803 (also boat 5036A);
 5656; 8848; 14055; 17972.
 5-S (Edmonds):
 4258; 4918; 4927; 4936; 6047.
 1-S (Ballard Beach): 4270.
 1-S (Magnolia): 4296.
 2-S (North Beach): 4500; 4838.
 1-SS (north of Minter Creek): 5635.
 1-CS (off Cultus Bay):
 5922 (also boat 5032A).
 1-HC: 8281.
 1-CP (Point Defiance): 14060.
 1-PO (Ostrich Bay): 14068.

- 1-SS (beach seine: 1 mile north of
 Minter Creek):
 14073 (also boat 5126E).
 1-SS (beach seine: mainland west of
 Stretch Island): 14076.
 1-CS (beach seine: Fay Bainbridge
 State Park): 14404.
 1-HC (Dabob Bay, Point Whitney):
 14688.
 1-CS (beach seine: Cultus Bay):
 16433.
 1-PO (Agate Pass., north of buoy
 N4): 5828 (also boat 5020B).
 1-S (beach seine: Alki Point):
 4514.
 4-S (Edmonds Beach):
 4553; 5296; 5444; 5489.
 1-S (beach seine: spit near Ballard
 Locks): 4586.
 1-S (beach seine: Redondo Beach):
 4731.
 1-S (Edwards Point to Wells Point):
 4975 and 4986.
 2-S (Carkeek Park): 5556; 5970.
 1-S (Richmond Beach): 5581.
 1-CS (Port Madison): 6090.
 8-S (beach seine: Golden Gardens):
 7374 (also boat 5007D); 8910
 (also boat 5121A); 11394 (also
 boat 5215B); 14080 (also boat
 5215C); 14081 (also boat 5108B);
 14083 (also boat 5108C); 14084
 (also boat 5215G); 14086 (also
 boat 5215I).
 1-SJ (Upright Channel): 17212 (also
 Friday Harbor Log, 7/5/63).
 1-PO (Agate Pass.): 14052.
 1-S (beach seine: Carkeek Park):
 14079.

Friday Harbor Laboratory Log

- 1-SJ (Jackles Lagoon, Cattle Point):
 6/29/51.
 1-SJ (Open Bay): 7/31/50-4.
 1-SJ (north Johns Island, second
 Bay): 8/19/52-2.
 4-SJ (Friday Harbor Lab.):
 7/6/52; 8/4/61-2; 6/67; 8/5/69.
 11-SJ (Argyle Bay):
 7/5/60; 8/16/55-1,4; 7/15/60-3;
 8/11/60-2,3; 6/23/61; 7/12/61-3;
 7/18/61-2; 7/15/63; 7/8/67.
 1-SJ (outside False Bay):
 8/17/55-2.
 5-SJ (False Bay):
 7/17/50-1; 8/5/60; 6/29/61;
 6/21/63; 7/18/67.
 1-SJ (Mitchell Bay): 6/24/60.
 3-SJ (Argyle Lagoon):
 7/31/60; 8/11/60-1; 7/12/61-2.
 1-SJ (Squaw Bay): 8/1/60-1.
 1-SJ (Westcott Bay): 8/16/60-2.
 2-SJ (North Bay): 8/18/60-1,2.
 1-SJ (McArdle Bay): 8/22/60-3.

Syngnathus griseolineatus

Syngnathidae

Friday Harbor Laboratory Log

- 1-SJ (West Sound): 6/26/61.
 1-SJ (Friday Harbor): 6/27/61.
 1-SJ (San Juan Island): 5/62.
 2-SJ (Squaw Bay or West Sound):
 6/30/67; 7/1/59-2.
 1-SJ (Squaw-Ogden): 6/27/69.
 1-SJ (night light: Friday Harbor
 Lab): 1969.

University of Washington Boat Log

- 1-SJ (training cruise area: East
 Sound, north of Rosario Point):
 6819H.
 2-HC (Dabob Bay, Broad Spit to Long
 Spit): 7003E; 7303A.
 2-HC (Dabob Bay): 7102A,L.
 1-CS (off Murden Cove): 4/4/73B.
 1-PO (trap): 6204.
 1-PO (south of Agate Pass. bridge):
 6711A.
 1-PO (beach seine: 1 mile north of
 Illahee State Park): 6205A1.
 46-S (beach seine: Golden Gardens to
 Meadow Point):
 5012C; 5013; 5018A; 5019C; 5047B;
 5110G; 5112G; 5114A; 5116A,B,D1,
 E,F; 5119E; 5121B; 5127C; 5129B;
 5137A; 5209A,B,D; 5214A1,A2,B,C,
 D1,D2,E,F1,F2; 5215N; 5324E;
 5328A; 5409; 5412B; 5414A; 5417A;
 5419; 5508C; 5609B; 5909E; 5913B;
 6014B; 6116C; 6207; 6211.
 1-S (off Golden Gardens): 5119H.
 1-S (beach seine: Carkeek Park):
 5231A.
 2-S (off Meadow Point to Carkeek):
 7119A,B.
 1-SS (trap, Eld Inlet): 6219-1.

Miscellaneous Logs

- 10+-E (east of Gedney Island):
 R. Tyler, personal communication,
 6/3/63.
 9-B (Bellingham Bay):
 FRI, Tyler Data Sheets, 1965.
 1-S (Elliott Bay): Metro, 1966-70.
 1-S (Duwamish Head to Alki Point):
 U.W. Ocean., 1964-67.
 3-E (Port Gardner Bay):
 U.W. Ocean., F.G., 1962-67.
 31-PO (just south of Fletcher Bay):
 U.W. Ocean., P.O., 1964-65.
 47-S (Golden Gardens to Meadow
 Point):
 U.W. Ocean., Hoh, 1963-67.
 20-PO (south and north of Fletcher
 Bay): U.W. Ocean., Hoh, 1963-67.
 9-SS (Case Inlet, off Taylor Bay to
 off Whiteman Cove):
 U.W. Ocean., Hoh, 1963-67.
 2-SS (Carr Inlet, off Horsehead
 Bay): U.W. Ocean., Hoh, 1963-67.

- 1-E (Holmes Harbor):
 U.W. Ocean., Hoh, S.J., 1966.
 4-CS (Port Madison):
 U.W. Ocean., Hoh, 1963-68.
 2-E (Port Susan):
 U.W. Ocean., Hoh, 1963-67.
 1-E (Holmes Harbor):
 U.W. Ocean., Hoh, 1963-67.
 1-SS (Stretch Island to Herron
 Island): NIH, 1968-71.
 2-CS (Port Madison):
 Van Cleve, trap, 1961-65.
 2-PO (off Fletcher Bay):
 Van Cleve, trap, 1961-65.
 29-SS (Eld Inlet entrance):
 Van Cleve, trap, 1961-65.
 7-E (Holmes Harbor):
 Van Cleve, trap, 1961-65.
 1-JF (beach seine: Dungeness
 embayment):
 Peninsula College, 1971.
 1-JF (Sequim Bay):
 Battelle, 1967-69.
 1-SJ (East Sound): Bruce Miller,
 Diving Log, 9/9/65.
 1-SJ (Friday Harbor): Bruce Miller,
 Diving Log, 9/10/65.
 1-SJ (Argyle Bay): Bruce Miller,
 Diving Log, 7/20/66.
 1-SS (Case Inlet, North Bay):
 S.L. Ralston, Diving Log, 1971.
 4-S (Golden Gardens):
 S.L. Ralston, Diving Log, 1971.
 1-E (Bowman Bay):
 S.L. Ralston, Diving Log, 1971.
 1-AI (beach seine: Mutiny Bay):
 Sea Grant, 72011.
 5-CS (beach seine: Seahurst County
 Park): Sea Grant, 72016.
 2-PO (beach seine: Dyes Inlet,
 Tracyton launch ramp):
 Sea Grant, 72018.
 1-SS (beach seine: Nisqually Head):
 Sea Grant, 72021.
 1-HC (off Big Beef Harbor):
 Sea Grant, 72026.
 1-B (beach seine: Wildcat Cove):
 Sea Grant, 72029.
 5-S (beach seine: south side of West
 Point): Sea Grant, 1973.
 1-S (off northwest side of West
 Point): Sea Grant, 1973.
 6-S (north of Meadow Point to
 Carkeek Park): Sea Grant, 1973.
 2-SS (McAllister Creek estuary):
 Sea Grant, 1973.
 1-HC (off southwest of Big Beef
 Harbor): Sea Grant, 1973.
 2-SS (McLane Cove toward Stretch
 Island): Sea Grant, 1973.
 1-SS (west side of Dougall Point):
 Sea Grant, 1973.
 5-SS (mid-channel, McLane Cove to
 Stretch Island):
 Sea Grant, 1973-74.

Syngnathus griseolineatus

Syngnathidae

Miscellaneous Logs

- 5-HC (off Union):
Sea Grant, 1973-74.
- 10-HC (Skokomish River Delta):
Sea Grant, 1973-74.
- 3-HC (beach seine: just north of
Vinland): Sea Grant, 73038.
- 4-HC (Bangor Annex): Kramer, Chin
and Mayo, NCEL Survey, 1973.
- 3-S (Golden Gardens to Meadow
Point): NIH, 1968-71.

Published Records

- 1-SJ: Starks, 1911; Kincaid, 1919.
1-B (Shannon Point):
Halstead, 1950.
1-GS (Point Roberts Reef):
Slipp and DeLacy, 1952 (also
museum 5362).
1-GS (6 miles south of Point
Roberts): Slipp and Delacey,
1952 (also museum 5639).
1-PS: Bayliff, 1959.

University of Washington
Museum Collection

- 1-SJ (near Olga): 1208.
1-CS (off Point Jefferson):
6228 (also boat 5112D).
1-HC (Thorndike Bay):
6857 (also probably boat 499J).
1-PS (Bellingham Bay-Point Roberts):
6997.
1-CS (off Meadow Point to Point
Jefferson): 9100.
1-CS (off Meadow Point to Point
Monroe): 12252.
1-CS (off Fay Bainbridge State
Park): 14427 (also boat 5806C).
1-GS (American side): 9098.

Friday Harbor Laboratory Log

- 1-SJ (northwest of Barnes Island):
6/20/50-3 (also boat 5033J).
1-SJ (Lopez Sound to East Sound):
7/1/52.
1-SJ (Friday Harbor): 6/21/55-2.
1-JF (west of McArthur Bank):
8/8/60.
1-SJ (Lopez Sound): 8/22/60-4.
1-SJ (West Sound): 6/20/69-2.
1-SJ (Argyle Bay): 7/10/69-4.

University of Washington Boat Log

- 1-S (off Golden Gardens): 5416.
1-CS (Point Jefferson to off Carkeek
Park): 5911B.
1-CS (off West Point): 6611B.
7-CS (training cruise area: mid-
channel, Skiff Point to West
Point): 6623E; 6819B; 7118B;
6914B; 7017B; 7213B; 7308B.

VOLUME 2

Family Percichthyidae (Temperate Basses) 32.1
through
Family Hexagrammidae (Greenlings) 54.6

GEOGRAPHICAL DISTRIBUTION OF PUGET SOUND FISHES: MAPS AND DATA SOURCE SHEETS

Bruce S. Miller and Steven F. Borton

Fisheries Research Institute, College of Fisheries
University of Washington, Seattle, Washington 98195

Studies supported by
Washington Sea Grant Program and
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354 Fisheries Center WH-10
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Seattle, Washington 98195

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ACKNOWLEDGMENTS

A very special thanks goes to Dr. Allan C. DeLacy, University of Washington College of Fisheries, for initiating and participating in the early work which finally led to the publication of this atlas.

We would like to thank the following individuals for the comprehensive log books they made available to us: T. S. English and C. M. Halstead (University of Washington, Department of Oceanography); R. Van Cleve and A. C. DeLacy (University of Washington, College of Fisheries); R. W. Tyler, E. O. Salo, and Q. J. Stober (University of Washington, Fisheries Research Institute); R. B. Grinols, (Peninsula College); G. S. DiDonato, A. E. Millikan, R. M. Buckley, and F. Haw (Washington State Department of Fisheries); W. L. High, and C. R. Hitz (National Marine Fisheries Service); R. I. Matsuda and R. S. Domenowske (Municipality of Metropolitan Seattle); and D. M. DesVoignes (Port of Seattle).

We wish to thank Patricia Peyton of Washington Sea Grant Communications, and thanks also go to the staff of the College of Fisheries Publications Center--Dorothy Beall, Jacob Davidson, Paula Duncan, Linda Haglund, Virginia Mills, and Muriel Mobley--for their contributions in preparing this manuscript for publication.

Compilation of this fish distribution information was done under the auspices of the College of Fisheries, University of Washington, Seattle. The work has been supported primarily by the Washington Sea Grant Program (National Oceanic and Atmospheric Administration) and by the Washington State Department of Ecology. The Oceanographic Commission of Washington provided a stipend to help defray some of the publication costs.

Bruce S. Miller

BRUCE S. MILLER
Principal Investigator

NOAA Grants
NC-1-72
04-3-158-42

WSDOE Contract
SWP 26/D

GEOGRAPHICAL DISTRIBUTION OF PUGET SOUND FISHES:

MAPS AND DATA SOURCE SHEETS

INTRODUCTION

The accompanying maps and data source sheets constitute a comprehensive compilation of records of Puget Sound fish species through 1973. Most records were originally compiled for the *Checklist for Puget Sound Fishes* (DeLacy, Miller, and Borton 1972).

All records were from five main sources: The literature; catalogued entries in the University of Washington collection of fishes; log records from the University of Washington Friday Harbor Laboratories; boat log records from the University of Washington College of Fisheries; and miscellaneous records, the bulk of which were from logs of state, federal, and University of Washington research projects. Records are arranged on the data source sheets in columns under the aforementioned headings. This method facilitated compilation of the records and provides the best way to add records in the future. A data source sheet key is provided to interpret individual entries. We have tried to avoid any duplication of records and have attempted to avoid records of questionable validity.

The Puget Sound region (Figure 1), for faunistic purposes, is defined as an area south and east of the United States-Canada international boundary line and east of longitude 123°28' in the Strait of Juan de Fuca. The further division of the Puget Sound region into 12 areas is based in part on oceanographic conditions but also reflects an arbitrary and expedient definition of areas with some attention to the intensity of the collecting efforts. A dot on the map of a particular species represents one record of that species having been caught or observed at that location. For example, a dot may represent a single fish caught by hook and line or 500 fish caught in one haul of an otter trawl. There is a corresponding data source sheet entry for every dot, but there may not be a dot for every data source sheet entry since once an area was filled with dots no more were added.

A wide assortment of gear has been employed in the collection of fish represented here (beach seines, bottom trawls, gillnets, purse seines, traps, spearfishing, hook and line, poisoning, etc.). There is also a great variation in the number of fish caught per record. It would not be appropriate to include such information as number of fish caught without also including other important information such as gear type, net mesh size, depth, bottom type, date, and time of day. Information such as numbers of fish caught can easily be misinterpreted without considering all other information about the collection. Including all pertinent information would not be appropriate considering the time and size limitations and goals of this project. The information is designed to provide an extensive source listing for all collections of fish in Puget Sound. People having a need for collection information or biological data such as length and weight should obtain the original source.

The relative sampling effort has varied greatly in the various areas. In general, lower Georgia Strait, the inner Strait of Juan de Fuca, Admiralty Inlet, and Colvos Passage have been sampled less intensively than other areas. The map of an abundant species, such as the English sole (*Parophrys vetulus*) which is caught by most types of gear and found in a wide depth range, indicates areas most intensively fished. Large blank areas on a map cannot be interpreted to mean that a particular species is not found in those areas. It only means that we have, as yet, no records for that species in those areas. This is often the result of lack of sampling effort for those areas or for that particular species. It is evident, however, for some species that they are more abundant in certain areas of Puget Sound; for example, the blackfin sculpin (*Malacocottus kincaidi*) is most abundant in Hood Canal. Further study of original catch data reveals that the blackfin sculpin is most often caught in deep trawls in areas of dense shrimp populations, such as are known to occur in Hood Canal.

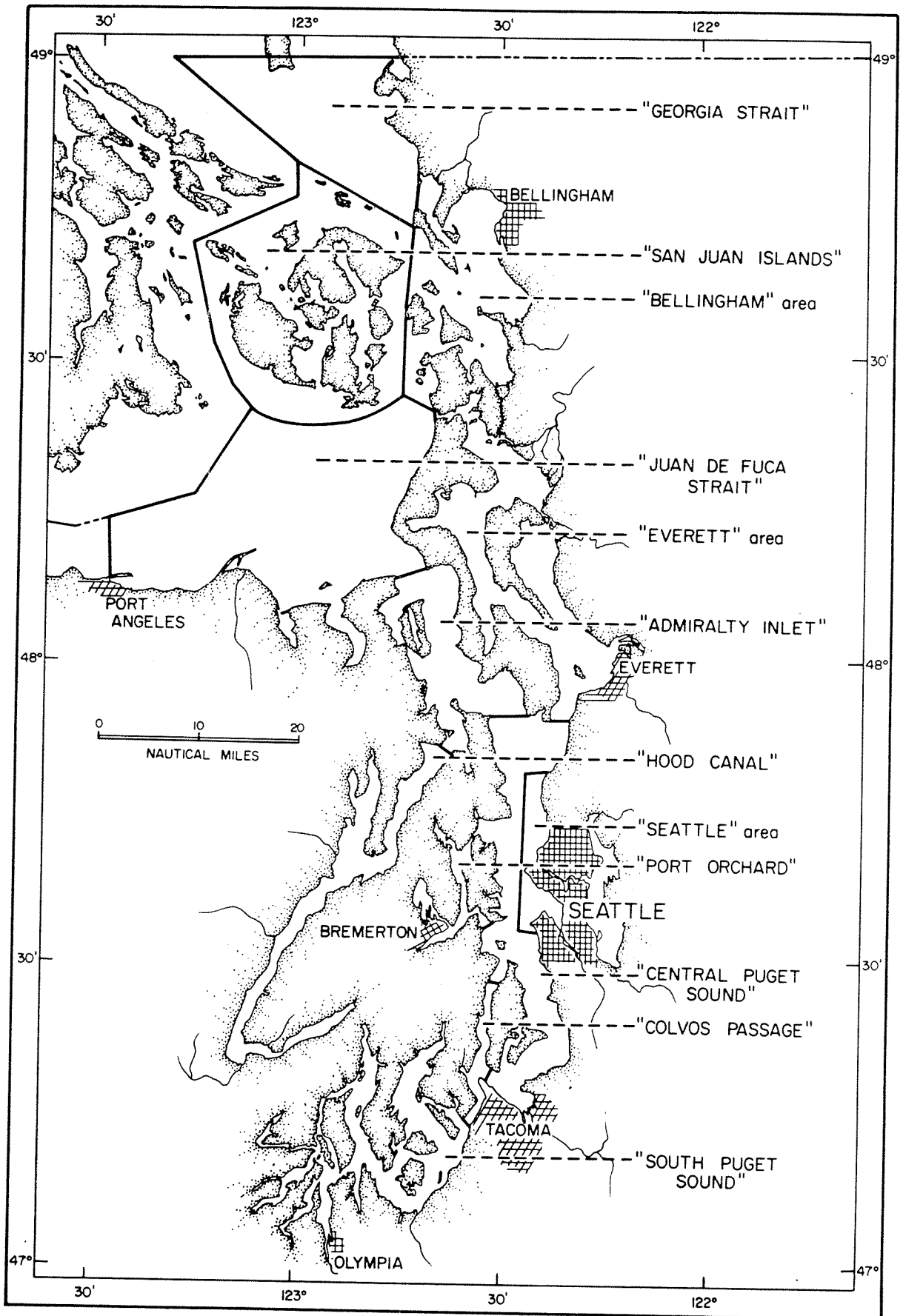


Figure 1. The 12 sampling areas used to group reports of fish occurrence in Puget Sound.

A phylogenetic order of families and species is used in the maps and source sheets (see the List of Families and Species). This order follows the standard set by the American Fisheries Society (1970). We have used Hart (1973) as our reference in those cases where the American Fisheries Society does not list a name. A decimal paging system is used to facilitate the addition of new records and species during future updating. Each family is indicated by the number preceding the decimal point. Species are listed in alphabetical order within a given family and paged consecutively by numbers following the decimal points. Source sheets follow each map and are paged separately by species.

The bibliography is of published records only. A "bibliography" or explanation of source sheet categories (p. xvi) is provided for locating or citing sources.

The authors would like to emphasize that they welcome any additional information that readers may be prepared to provide. Data are stored on magnetic cards so that records may be added easily. Periodic updating of this information is contemplated. It is our hope that work may soon begin on a similar project to gather information of fish records from the outer Strait of Juan de Fuca and the Washington Coast.

KEY TO SOURCE SHEETS

PS - Puget Sound, general	HC - Hood Canal
GS - Georgia Strait	CS - Central Puget Sound
JF - Juan de Fuca Strait	PO - Port Orchard
SJ - San Juan Islands	S - Seattle area
B - Bellingham area	CP - Colvos Passage
E - Everett area	SS - South Puget Sound
AI - Admiralty Inlet	

number of occurrences from this location from this source

5-SS: (Fort Steilacoom): Girard, 1859.

area location specific location or locations within area

1-PS: Jordan & Starks, 1896.

source gave location as "Puget Sound"--record is not mapped

1-CP: Jordan & Gilbert, 1882.

record in this area, but either there was not a more specific location given by the source or two or more hauls in different locations were lumped by the source--record is not mapped unless it is the only record for that area

3-AI: (White Rock; Port Townsend; north of Olele Pt.): Evermann and Goldsborough, 1907.

This means that of these 3 Admiralty Inlet records, one was from White Rock, and one was from Port Townsend, and one was from north of Olele Pt.

If this number were 15+ then 5+ were from White Rock...etc.

If this number were 50+- (Fishing areas, etc.) then all locations mentioned (listed) would be 50+ each.

Other information:

8-5206 A number preceding a boat log entry gives the number of occurrences in that collection or series of hauls at a certain location.

E (Gedney I.): Chapman and DeLacy 1933 (Duplicated by museum record).

No number indicates that there was a known but unmatched duplication (entry not mapped).

EXPLANATION OF SOURCE CATEGORIES

Published Records

See Bibliography. This includes a broad spectrum of printed material (many technical reports).

University of Washington Museum Collection

These records are from notebooks listing the specimens preserved in the College of Fisheries Museum. The notebooks are kept in the museum.

Friday Harbor Laboratory Log

These logs are of collections made largely in the San Juan Islands and in connection with class or research work at the University of Washington, Friday Harbor Laboratories and/or the College of Fisheries.

University of Washington Boat Log

These logs list collections made using some of the research vessels (mainly the COMMANDO) of the College of Fisheries. Also listed are many of the class beach seine trips. The logs are available through the Dean's Office at the College of Fisheries.

Miscellaneous Logs

This is a potpourri of any legitimate record or set of records which cannot be classified by the above categories. They range from logs of various research institutions to verified phone calls and photographs from marine scientists. The following is an alphabetized listing and explanation of the abbreviated citations of important logs in the miscellaneous category which need further explanation.

FRI, Tyler Data Sheets, 1965. Data sheets from a research project in Bellingham Bay conducted by the Fisheries Research Institute at the College of Fisheries.

METRO, 1963-70. Records from collections made by the Municipality of Metropolitan Seattle in areas near sewage treatment plants.

NIH (date or collection number). Records from trawl and beach seine collections made under the direction of Dr. Bruce S. Miller as part of various National Institute of Health grants.

NMFS, COBB - (cruise or date of cruise). Records from trawl collections of the R/V COBB made by the U.S. Department of Commerce, National Marine Fisheries Service.

Sea Grant (date or collection number). Records from trawl and beach seine collections made under the direction of Dr. Bruce S. Miller as part of several individual grants.

U.W. Oceanography, 1964-67. U.W. Oceanography, P.G. (Port Gardner) or P.O. (Port Orchard), and other variations. Records from research collections made under the direction of Dr. T. Saunders English of the University of Washington, Department of Oceanography. Most collections were made by beam trawl from the R/V HOH.

Van Cleve, Trap, 1961-65. Records from test collections made with a College of Fisheries automated bottom sampler under the direction of Dr. Richard Van Cleve.

WSDF, Commercial catch comp., 1966-71. Records compiled from commercial fishing data as part of the catch composition estimation program of the Washington State Department of Fisheries.

WSDF, Groundfish trawl, (date). Records from trawls made by the Washington State Department of Fisheries.

WSDF, Gulf Georgia, 1969. Records from trawl investigations made by the Washington State Department of Fisheries in the Gulf (Strait) of Georgia.

WSDF, Sport Fish, 1965-70. Records from information collected during the sport fishery boat check program of the Washington State Department of Fisheries.

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<i>Anoplarchus purpureus</i> , high cockscomb	40.2
<i>Chirolophis nugator</i> , mosshead warbonnet	40.3
<i>Chirolophis polyactocephalus</i> , decorated warbonnet	40.4
<i>Lumpenus maculatus</i> , daubed shanny	40.5
<i>Lumpenus sagitta</i> , snake prickleback	40.6
<i>Phytichthys chirus</i> , ribbon prickleback	40.7
<i>Plectobranchnus evides</i> , bluebarred prickleback	40.8
<i>Poroclinus rothrocki</i> , whitebarred prickleback	40.9
<i>Xiphister atropurpureus</i> , black prickleback	40.10
<i>Xiphister mucosus</i> , rock prickleback	40.11
FAMILY PHOLIDAE (Gunnels)	
<i>Apodichthys flavidus</i> , penpoint gunnel	41.1
<i>Pholis clemensi</i> , longfin gunnel	41.2
<i>Pholis laeta</i> , crescent gunnel	41.3
<i>Pholis ornata</i> , saddleback gunnel	41.4
<i>Pholis schultzi</i> , red gunnel	41.5
<i>Xererpes fucorum</i> , rockweed gunnel	41.6
FAMILY ANARHICHADIDAE (Wolffishes)	
<i>Anarrhichthys ocellatus</i> , wolf-eel	42.1
FAMILY PTILICHTHYIDAE (Quillfishes)	
<i>Ptilichthys goodei</i> , quillfish	43.1
FAMILY CRYPTACANTHODIDAE (Wrymouths)	
<i>Delolepis gigantea</i> , giant wrymouth	44.1
<i>Lyconectes aleutensis</i> , dwarf wrymouth	44.2
FAMILY SCYTALINIDAE (Graveldivers)	
<i>Scytalina cerdale</i> , graveldiver	45.1
FAMILY AMMODYTIDAE (Sand Lances)	
<i>Ammodytes hexapterus</i> , Pacific sand lance	46.1
FAMILY GOBIIDAE (Gobies)	
<i>Clevelandia ios</i> , arrow goby	47.1
<i>Coryphopterus nicholsi</i> , blackeye goby	47.2
<i>Lepidogobius lepidus</i> , bay goby	47.3
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<i>Icosteus aenigmaticus</i> , ragfish	51.1
FAMILY SCORPAENIDAE (Rockfishes)	
<i>Sebastes aleutianus</i> , rougheyeye rockfish	52.1
<i>Sebastes alutus</i> , Pacific ocean perch	52.2
<i>Sebastes auriculatus</i> , brown rockfish	52.3
<i>Sebastes babcocki</i> , redbanded rockfish	52.4
<i>Sebastes brevispinis</i> , silvergray rockfish	52.5
<i>Sebastes caurinus</i> , copper rockfish	52.6
<i>Sebastes crameri</i> , darkblotched rockfish	52.7
<i>Sebastes diploproa</i> , splitnose rockfish	52.8
<i>Sebastes elongatus</i> , greenstriped rockfish	52.9
<i>Sebastes emphaeus</i> , Puget Sound rockfish	52.10
<i>Sebastes entomelas</i> , widow rockfish	52.11
<i>Sebastes flavidus</i> , yellowtail rockfish	52.12
<i>Sebastes helvomaculatus</i> , rosethorn rockfish	52.13
<i>Sebastes maliger</i> , quillback rockfish	52.14
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<i>Sebastes proriger</i> , redstripe rockfish	52.22
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<i>Artedius meanyi</i> , Puget Sound sculpin	55.4
<i>Artedius notospilotus</i> , bonehead sculpin	55.5
<i>Ascelichthys rhodorus</i> , rosy lip sculpin	55.6
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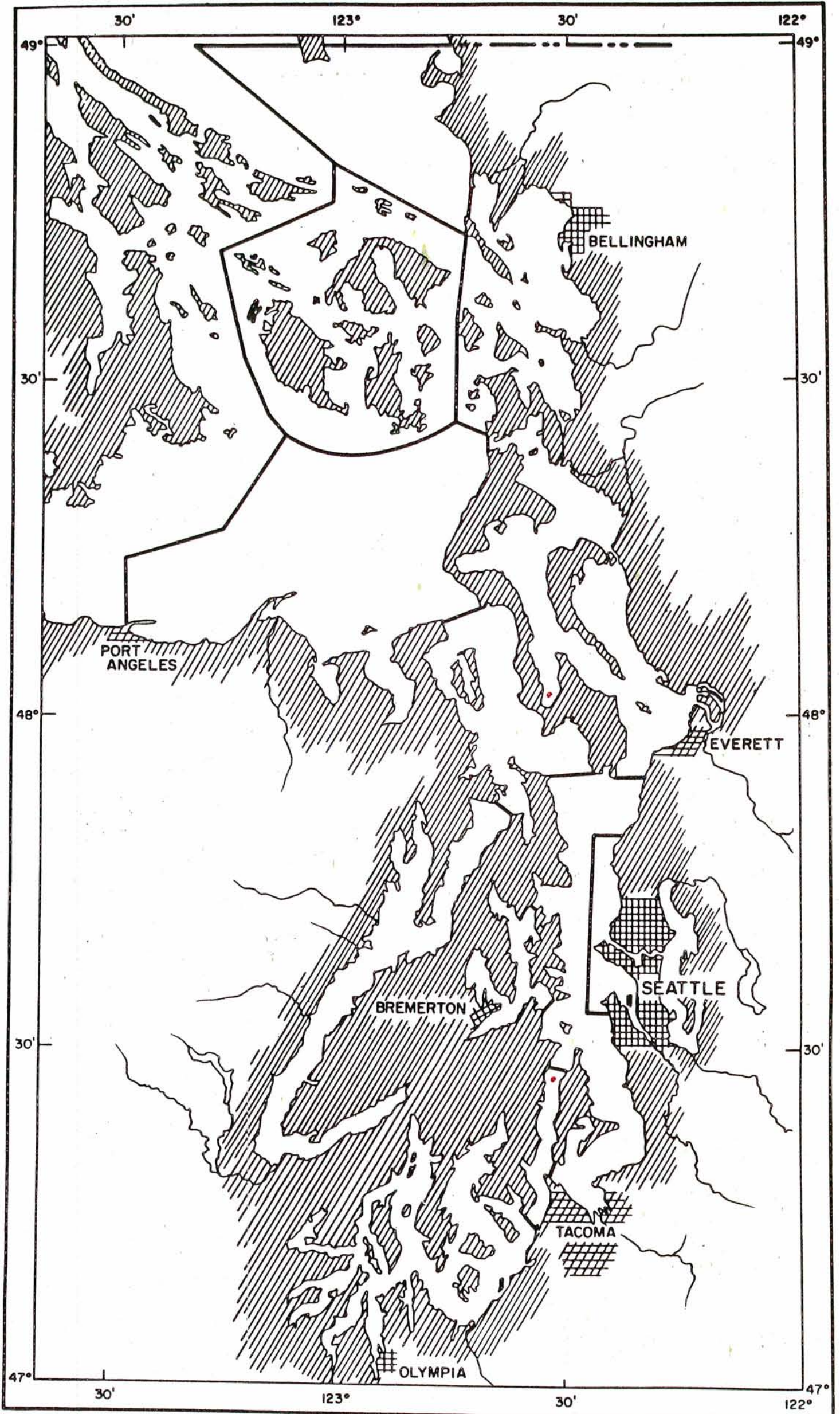
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55.30	slim sculpin	12.2	white sturgeon
57.7	slipskin snailfish	52.11	widow rockfish
17	Smelts	42.1	wolf-eel
56.3	smooth alligatorfish	42	Wolffishes
55.3	smoothhead sculpin	44	Wrymouths
57	Snailfishes, Lumpfishes		
40.6	snake prickleback		
13	Snipe Eels		
16.4	sockeye salmon		
55.14	soft sculpin	52.24	yelloweye rockfish
58.2	speckled sanddab	52.12	yellowtail rockfish
			V
			W
			Y

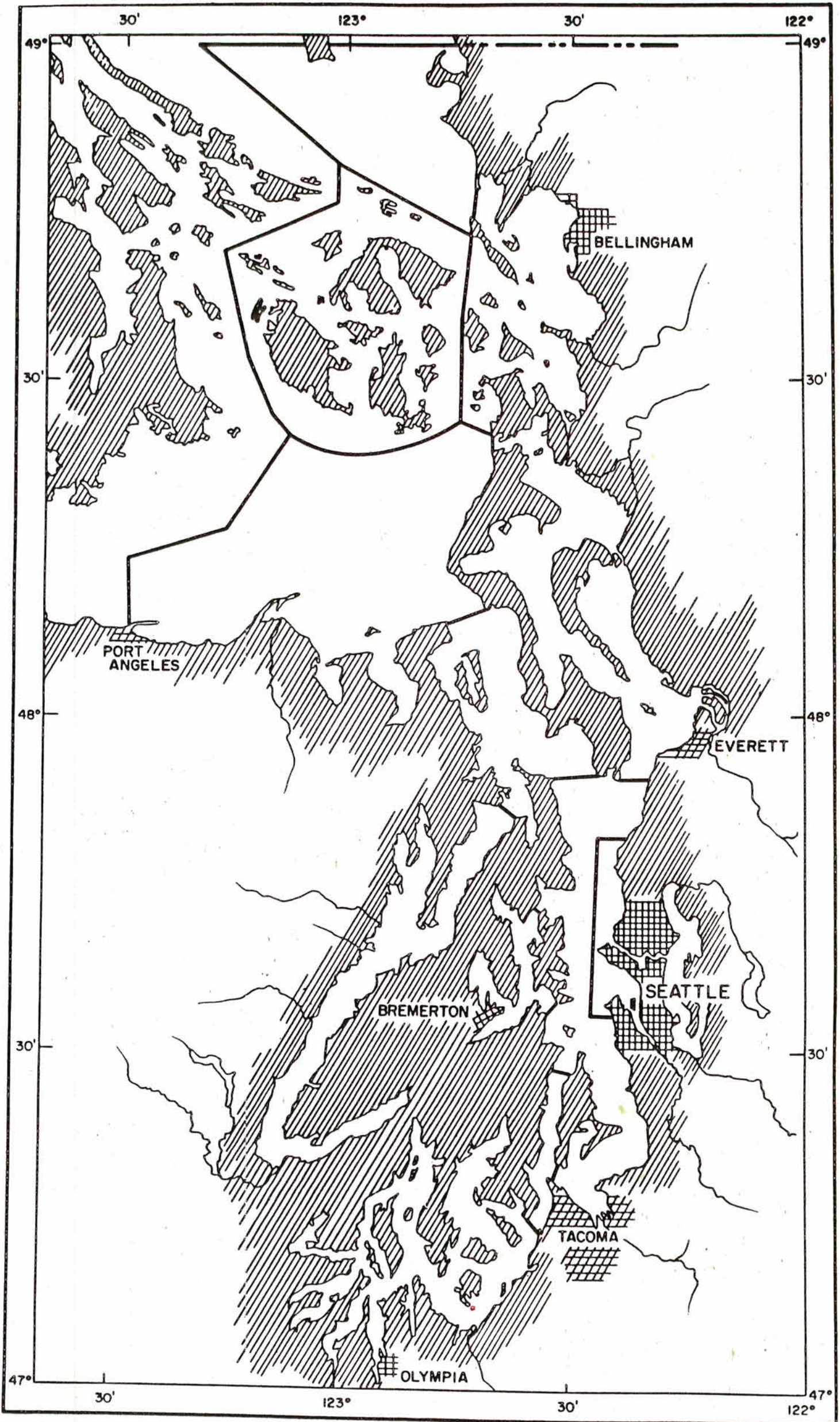


Morone saxatilis

Percichthyidae

Published Records

- 1-E (Holmes Harbor near the herring trap, sport catch): Seattle Post Intelligencer, p. 27, 4/30/68.
1-CP (West Pass. across from Vashon Island, gillnetter): Fishing and Hunting News, p. 1, 9/29/73.

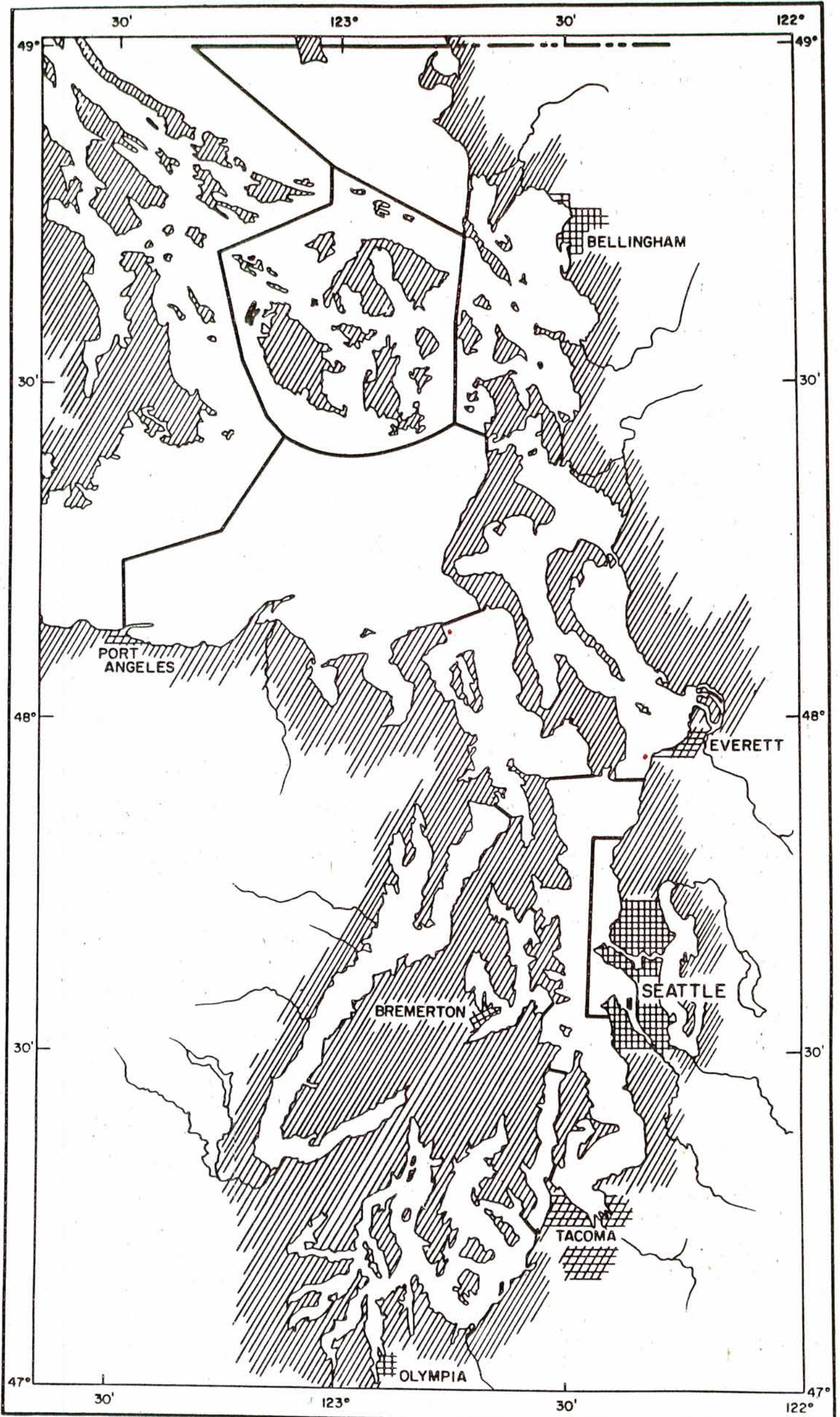


Trachurus symmetricus

Carangidae

Miscellaneous Logs

1-SS (off Lyle Point, Anderson
Island): sport catch by Dr.
Erickson (October 23, 1975),
identified by Ray Buckley.



Brama japonica

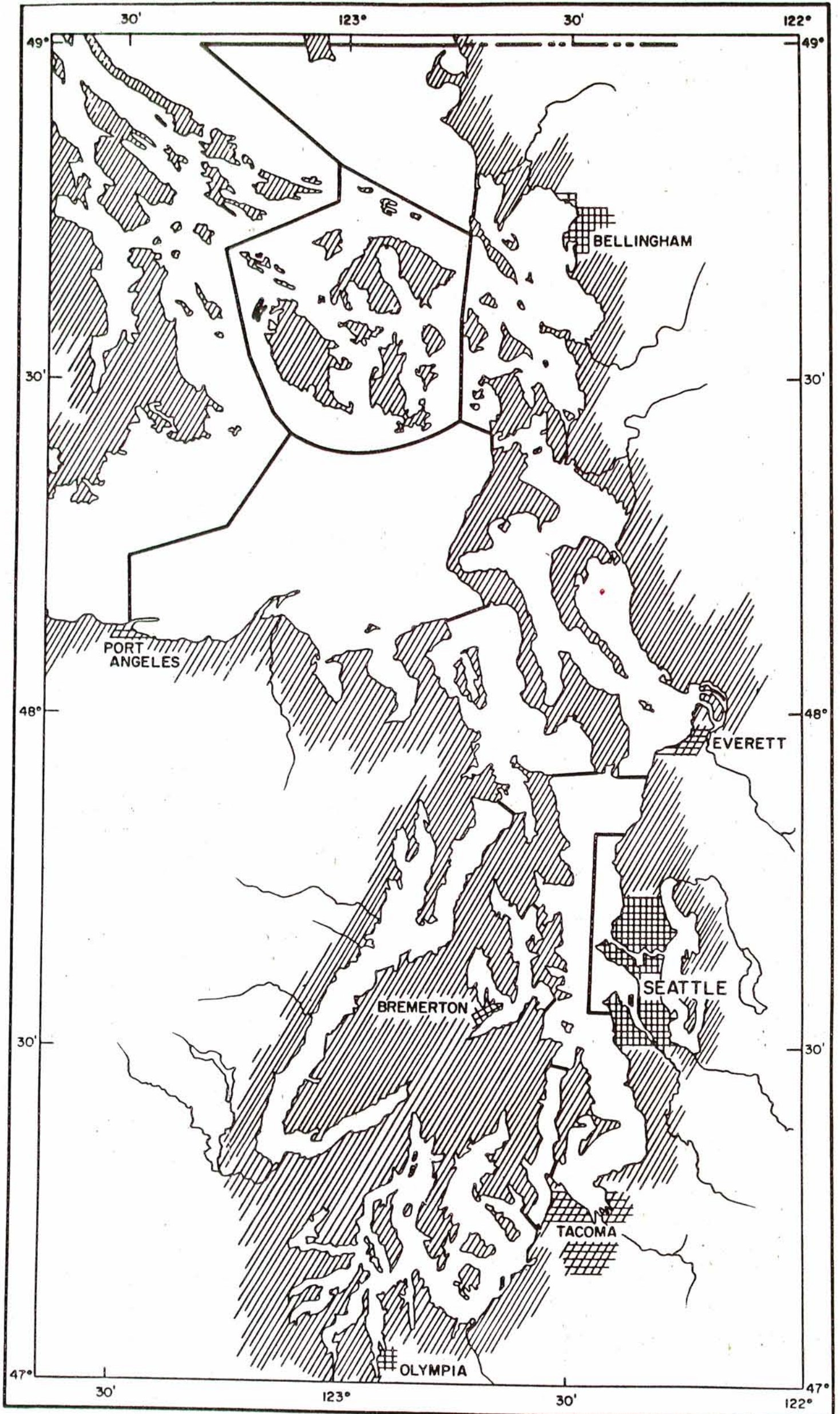
Bramidae

Published Records

- 1-AI (Port Townsend): Bean, 1884;
Jordan and Starks, 1896.
1-PS: Kincaid, 1919.

Miscellaneous Records

- 1-E (Mukilteo): Frank Haw, personal
communication, 6/4/63.

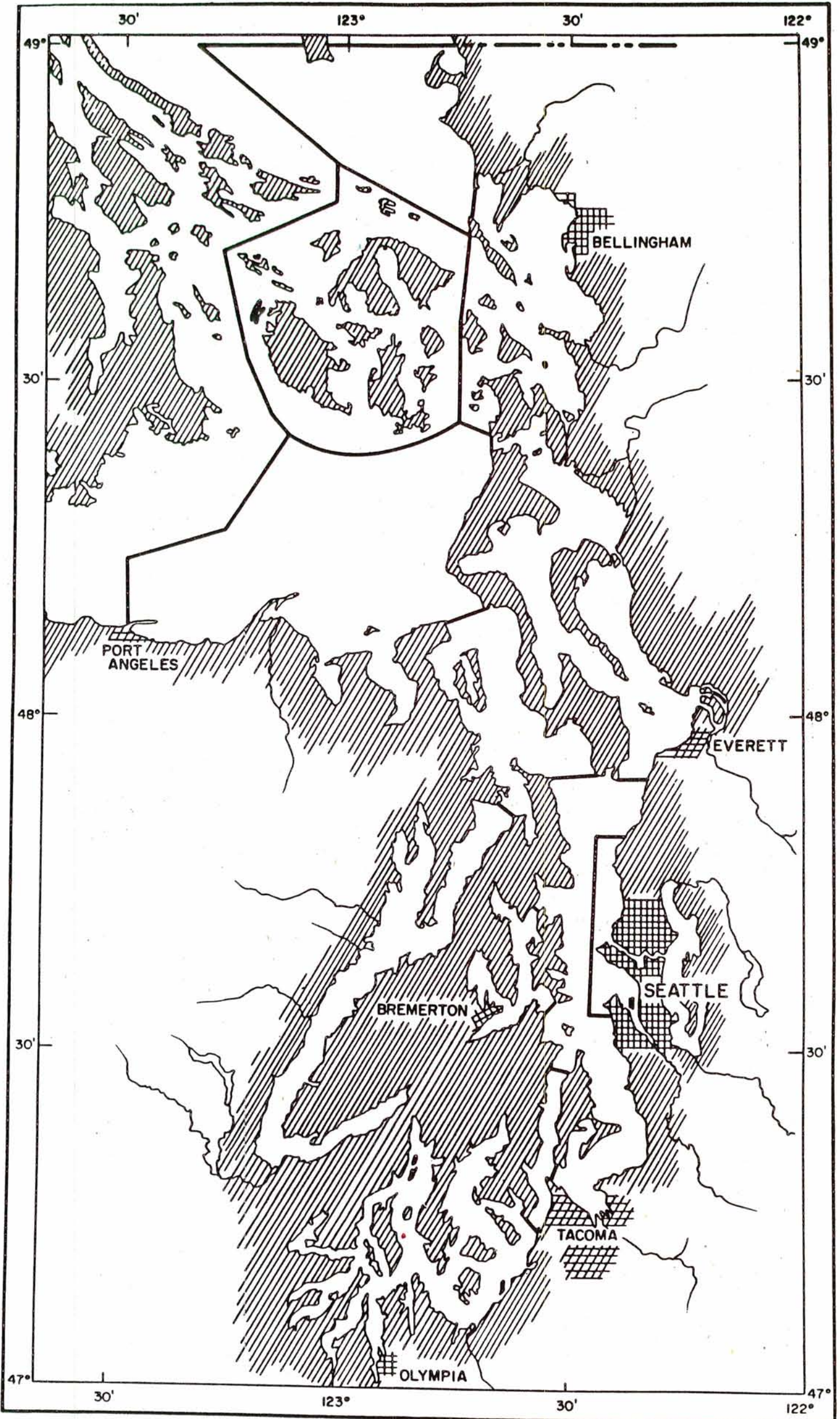


Cynoscion nobilis

Sciaenidae

Published Records

- 1-PS: Kincaid, 1919.
- 1-E (between Camano Island and the mainland, off the Stillaguamish River): Bonham and Olson, 1956.

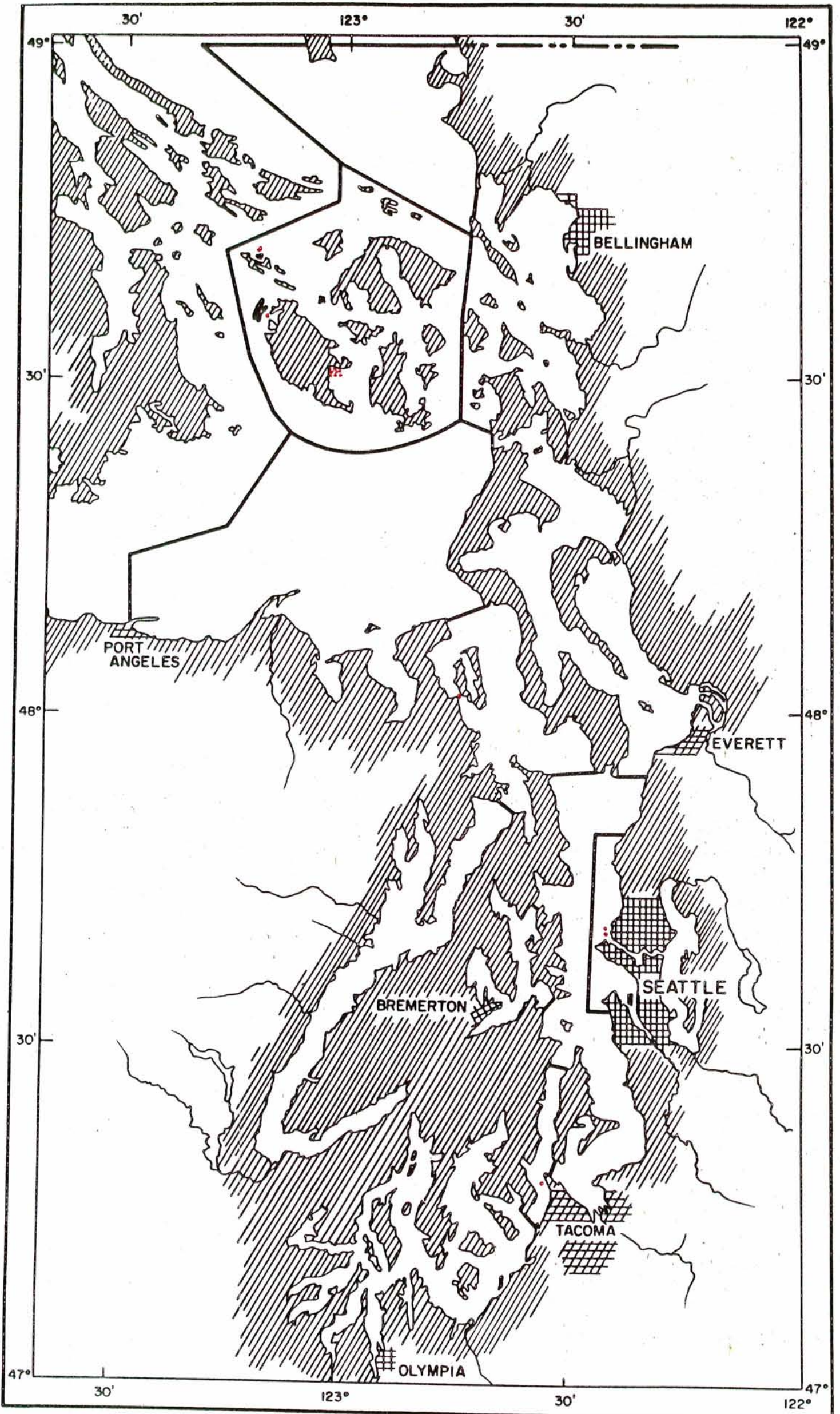


Genyonemus lineatus

Sciaenidae

University of Washington
Museum Collection

1-SS (Case Inlet, near Shelton,
otter trawl, 15 fathoms):
200542.



Brachyistius frenatus

Embiotocidae

Published Records

1-PS: Kincaid, 1919.

University of Washington
Museum Collection

1-CP (Tacoma Narrows): 15199.

Friday Harbor Laboratory Log

1-SJ (Satellite Island): 7/5/51-3.

1-SJ (White Point, San Juan Island):
7/19/51-1.

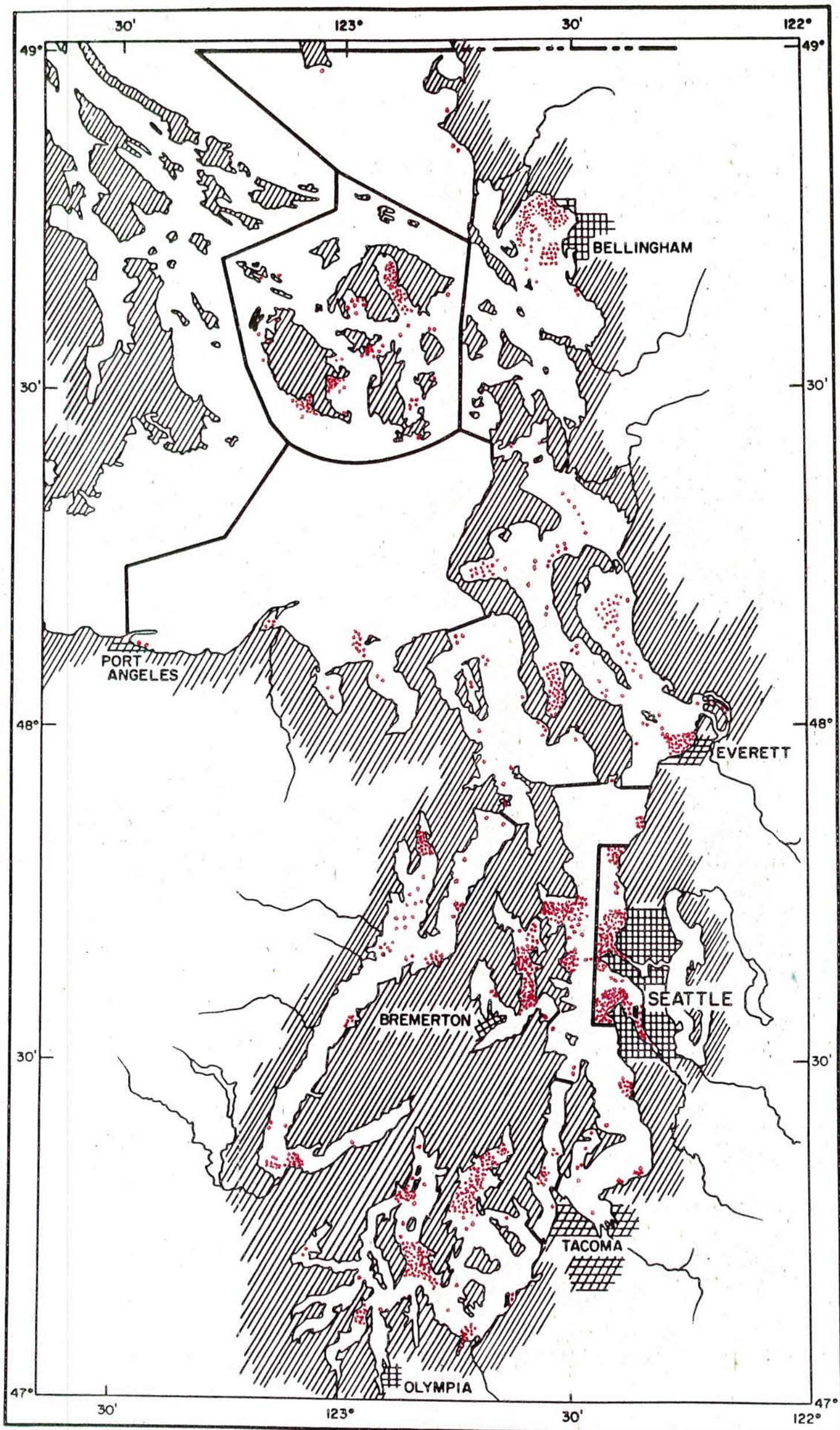
6-SJ (Argyle Bay):

7/21/52; 8/16/55-2; 8/11/60-2;

6/22/61; 7/8/61; 7/12/61-1.

1-SJ (Argyle Lagoon): 7/12/61-2.

Miscellaneous Logs2-S (Shilshole breakwater): David
Somerton, Diving Log, 1973-74.1-AI (Port Townsend Canal): David
Somerton, Diving Log, 1973-74.



Cymatogaster aggregata

Embiotocidae

Published Records

- 1-SJ: Gunther, 1862.
 1-JF (beach seine: Port Angeles):
 Gilbert, 1895.
 1-AI (Port Ludlow): Starks, 1896b.
 2-AI (Kilisut Harbor; Marrowstone
 (Point):
 Evermann and Goldsborough, 1907.
 1-SJ: Starks, 1911.
 1-SJ (near Friday Harbor):
 Powers, 1921.
 1-HC (Holly):
 Schultz and DeLacy, 1935-36.
 2-GS: Smith, 1936.
 4-B (Bellingham Bay): Smith, 1936.
 2-E (Coupeville): Smith, 1936.
 1-JF (Sequim Bay): Smith, 1936.
 1-JF (Discovery Bay):
 Smith, 1936 (also museum 3871).
 1-SS (Hale Pass.): Smith, 1936.
 1-SS (Carr Inlet):
 Smith, 1937 (also museum 4343).
 2-SS (Nisqually Flats; Dofflemeyer
 Point): Smith, 1937.
 1-CS (north of Point Pully):
 Smith 1937.
 2-E (Gedney Island): Smith, 1937.
 4-E (Columbia Beach; Langley; Elger
 Bay; Camano): Smith, 1937.
 2-HC (Hoodsport):
 Smith, 1937 (also museum 3910).
 6-S (Duwamish River estuary):
 Salo, 1969.
 17-S (Duwamish Head): Salo, 1969.
 5-E (Port Gardner): Salo, 1969.
 6-E (Skagit Bay): Salo, 1969.
 1-SJ (Friday Harbor): Lloyd, 1936.
 48-B (beach seine: Bellingham Bay,
 north of Eliza Island):
 Tyler, 1964.
 4-CS (beach seine: south side of
 Point Jefferson): Kendall, 1966.
 2-CS (beach seine: Dumas Bay):
 Miller, 1971b.
 4-CS (Seahurst County Park):
 Miller, 1971a.
 2-HC (Anderson Cove): Chew, 1970.
 5-HC (fyke net: in Big Beef Harbor):
 Anderson and Chew, 1972.
 1-E (beach seine: Kiket Island):
 Stober and Salo, 1970a.
 1-SJ (San Juan Island):
 Weiss, 1969.
 1-S (Alki Point): Suomela, 1931.
 1-SJ: Suomela, 1931.
 1-S (Golden Gardens): Allen et al.,
 1960 (duplicated in boat log).
- University of Washington
Museum Collection
- 3-S (Seattle): 411; 715; 866.
 4-SJ (Squaw Bay):
 567; 853; 2298; 2170.
- 13-SJ (False Bay):
 571; 573; 2265; 2978; 2998; 3440;
 3558; 1125; 1157; 1172; 2155;
 9815; 14209 (also Friday Harbor
 Log, 8/4/52-2).
 1-SJ (East Sound, White Beach):
 596.
 6-SJ (East Sound): 634; 698; 16689;
 17136; 18682 (also NIH, 1964-66);
 18685 (also NIH, 1964-66).
 22-S (Alki Point): 667; 756; 761;
 762; 763; 764; 792; 4441; 2914;
 3630; 4215; 4340; 4391; 4397;
 4462; 4481; 4897; 4907; 860;
 1440; 1922; 6196.
 1-SJ (Flat Point): 718.
 1-E (Saratoga Pass., Camano Head):
 2536.
 1-E (Saratoga Pass.): 4267.
 7-S (Golden Gardens):
 776; 4508; 8181 (also boat
 5137A); 8183 (also boat 5215U);
 8186 (also boat 5137B); 8187;
 8189 (also boat 492E).
 1-SJ (east side of Orcas Island):
 851.
 2-SJ: 858; 4311.
 2-SJ (near Peavine Pass.):
 1101; 2092.
 1-E (off Everett): 2902.
 1-PO (Seabold): 4341.
 3-CS (Redondo Beach):
 4365; 4996; 5127.
 2-AI (Bywater Bay): 4433; 14653.
 1-HC (Squamish Harbor): 4444.
 1-AI (Useless Bay): 4569.
 1-PS: 4634.
 1-CS (Tacoma Smelter): 4665.
 3-E (Steamboat Slough, Snohomish
 River): 4706; 4707; 9811.
 1-SS (off McLane Cove):
 5664 (also boat 7/20/49-3).
 1-SS (northwest end of Stretch
 Island):
 5667 (also boat 7/20/49-1).
 1-SS (northwest end of Nisqually
 Reach):
 5675 (also boat 7/20/49-5).
 1-HC (opposite Hoodsport):
 5783 (also boat 499F).
 1-SS (Carr Inlet, off Glen Cove):
 5811 and 5814 (also boat 5009J).
 1-SS (Case Inlet, west of Herron
 Island): 5817 (also boat 5009G).
 2-CS (Port Madison):
 5879 (also boat 5006D); 6074
 (also boat 1/22/49).
 1-PO (Agate Pass.): 4214.
 6-S (Edmonds): 4253; 4921; 5499;
 7787; 8184; 11311.
 2-S (Ballard Beach): 4266; 4274.
 2-S (south side of West Point):
 4371; 4406.
 1-S (off Ballard Locks): 4378.

Cymatogaster aggregata

Embiotocidae

University of Washington
Museum Collection

- 1-S (North Beach): 4499.
 2-S (off North Beach): 4661; 4664.
 8-S (Edmonds Beach):
 4560; 5291; 5439; 5460; 5474;
 5513; 5516; 9810.
 5-S (Carkeek Park):
 5527; 5538; 5553; 5560; 5680.
 2-S (beach seine: spit near Ballard
 Locks): 4578; 4616.
 2-S (spit south of Ballard Locks):
 4660; 5383.
 1-CS (beach seine: Redondo Beach):
 4734.
 1-S (Alki Beach house): 4782.
 1-S (Point Edwards to Point Wells):
 4980 and 4988.
 1-S (south of Richmond Beach):
 5054.
 1-S (below Government Locks): 952.
 1-SJ (east side of Shaw Island):
 1323.
 1-S (West Seattle): 1773.
 1-SJ (West Sound): 2223.
 2-S (Richmond Beach):
 5580; 5893 (also boat 2/13/50).
 1-SS (beach seine: mainland opposite
 Stretch Island):
 6122 (also boat 7/20/49-2).
 7-S (off Golden Gardens):
 5847 (also boat 493B); 5984 (also
 boat 495D); 5335 (also boat
 496C); 5731 (also boat 497E);
 6020 (also boat 5009L); 10424
 (also boat 5132A); 16253 (also
 boat 5131C).
 2-S (off Carkeek Park):
 5982 (also boat 5020A); 7991
 (also boat 5212B).
 1-SS (west of Stretch Island):
 7837.
 1-S (1 mile south of Duwamish Head):
 8182.
 1-E (Snohomish River mouth): 8185.
 1-S (south of West Point):
 8188 (also boat 5027D).
 1-SS (beach seine: Carr Inlet, 1
 mile north of Minter Creek):
 8190 (also boat 5126E).
 1-HC (off Thorndike Bay): 8215.
 1-SS (Carr Inlet, off Minter Creek):
 8375 (also boat 5126D).
 2-S (beach seine: Carkeek Park):
 8379 (also boat 5525A,B).
 1-SJ: 9816.
 1-CS (beach seine: Cultus Bay):
 9819 (also boat 5217A).
 1-S (beach seine: Golden Gardens):
 11310 (also boat 5215B).
 1-CS (mid Quartermaster Harbor):
 11312 (also boat 5042D).
 1-S (1/2 mile south of Edmonds
 ferry): 16255.
 1-PO (off Fletcher Bay):
 17112 (also boat 6406C).
- 1-SJ (Upright Channel): 17211 (also
 Friday Harbor Log, 7/5/63).
 1-S (Ballard Locks): 18683.
 1-SJ (mid East Sound): 18684 (also
 Friday Harbor Log, 6/5/64).
 1-SJ (East Sound, south of Rosario
 Point):
 19576 (also NIH, 1964-66).
- Friday Harbor Laboratory Log
- 1-SJ (Jackle's Lagoon, Cattle
 Point): 6/29/51.
 1-SJ (Argyle Pond): 7/3/52.
 20-SJ (Argyle Bay):
 7/21/52; 7/5/60; 8/16/55-1,2,3,4;
 7/15/60-2; 8/11/60-2,3,4;
 6/22/61; 6/23/61; 7/8/61;
 7/12/61-1,2,3; 7/18/61-2;
 7/15/63; 6/19/69; 7/10/69-4.
 8-SJ (False Bay):
 7/17/50-1; 8/5/60; 6/29/61;
 7/26/61; 6/21/63; 7/1/69-1,2,3,4.
 5-SJ (East Sound):
 8/11/52; 7/26/60-1; 8/13/60-1;
 6/20/61; 5/11/62.
 1-SJ (north side of Johns Island,
 second bay): 8/19/52-1.
 2-SJ (lower East Sound):
 7/28/55-2; 8/11/55-3.
 1-SJ (south of Satellite Island):
 8/15/55-2.
 3-SJ (Squaw Bay):
 8/1/55; 8/1/60-1; 7/10/61-1.
 1-SJ (outside False Bay):
 8/17/55-2.
 1-SJ (west of Decatur Head):
 7/24/50-1.
 1-SJ (West Sound and Lopez Sound):
 6/27/60.
 8-SJ (Argyle Lagoon): 7/2/60;
 7/11/60-1; 7/15/60-3; 7/31/60;
 8/11/60; 7/12/61-2; 7/10/69-2,3.
 5-SJ (West Sound):
 7/26/60-2; 8/13/60-2; 6/26/61;
 7/27/63-B; 6/20/69-2.
 2-SJ (Mitchell Bay):
 8/16/60-1; 7/17/61-2.
 1-SJ (Westcott Bay): 8/16/60-2.
 1-SJ (White Beach): 8/16/60-4.
 2-SJ (North Bay): 8/18/60-1,2.
 1-SJ (McArdle Bay): 8/22/60-3.
 1-SJ (Smallpox Bay): 7/13/61.
 1-SJ (Mosquito Pass.): 7/17/61-1.
 5-SJ (mid East Sound):
 1/17/64; 2/21/64; 4/3/64;
 7/11/64; 6/20/69-1.
 2-SJ (Upright Head to Olga):
 8/1/60-2; 7/10/61-2.
 1-SJ (Squaw Bay or West Sound):
 6/30/67.
 1-SJ (Squaw-Ogden): 6/27/69.
 1-SJ (Reed Harbor): 7/15/69-3.
 1-SJ (False Bay): 6/23/73.
 1-SJ (Argyle Lagoon): 7/9/73.

Cymatogaster aggregata

Embiotocidae

University of Washington Boat Log

- 1-SJ (Lopez Sound, west of Ram Island): 5033R.
- 14-SJ (training cruise area: East Sound, north of Rosario Point): 6603H; 6614H; 6620H; 6630H; 6722H; 6815H; 6819H; 6908H; 6914H; 7010H; 7017H; 7118H; 7307H; 7313H.
- 4-SJ (training cruise area: Lopez Sound, southwest of Center Island): 7017I; 7110I; 7118I; 7307I.
- 2-B (Bellingham Bay): 6715G; 6822G.
- 16-B (training cruise area: Bellingham Bay, southwest of Post Point): 6603G; 6614G; 6620G; 6630G; 6722G; 6819G; 6826G; 6908G; 6914G; 7010G; 7017G,G.1; 7118G; 7307G; 7313G.
- 11-HC (Dabob Bay): 6202A,F; 7205N; 7102A,B,E,H,K,L; 7112A,B.
- 1-HC (just south of floating bridge): 7112D.
- 2-HC (west of Seabeck Bay and Misery Point): 6902J; 7202A.
- 8-HC (off Pleasant Harbor): 6828E; 6902K,L; 7003I,J,K; 7202C; 7303G.
- 29-HC (Dabob Bay, Broad Spit to Long Spit): 6503A,B,G; 6601A,C,D; 6629A,D,E; 6702D,F; 6804A,F; 6807A,B; 6828A,B; 6902E,F; 7003A; 7202D,E,H,I,J; 7303C,B,D,F.
- 1-HC (opposite Vinland): 7112C.
- 2-HC (Anderson Cove): 7009B,D.
- 1-AI (Tala Point to Hood Head): 6902M.
- 1-AI (east side of Hood Canal entrance, just south of Foulweather Bluff): 7112E.
- 1-AI (Oak Bay, north of Olele Point): 5009C.
- 2-E (Port Susan, off Warm Beach): 5023A,B.
- 1-E (Port Susan, off Spee-Bi-Dah): 5023D.
- 1-E (mouth of Penn Cove, off Long Point to off Snatelum Point): 5213A.
- 1-E (Penn Cove, off Coupeville to off Lovejoy Point): 5213B.
- 12-E (Holmes Harbor, south of Classic): 5305B,G; 5307F,G,P,U; 5312B,C,E,L,N; 5501C.
- 1-E (Holmes Harbor, Dines Point to Classic): 5305C.
- 11-E (Holmes Harbor): 5305I,L,M; 5325B; 5327A,B; 5420A; 5522D; 5604D; 5703E,H.
- 1-E (Holmes Harbor, Rocky Point to Dines Point): 5307K.
- 3-E (Penn Cove, beach seine at Good Beach): 5316F,G,H.
- 3-E (Penn Cove): 5405K; 5614J; 5810H.
- 1-E (Saratoga Pass.; Onamac Point to Indian Beach): 5405L.
- 1-E: 5712B.
- 1-E (Saratoga Pass., Snatelum Point to Onamac Point): 5712C.
- 2-E (training cruise area: off Penn Cove): 6826E; 7118E.
- 2-E (training cruise area: Saratoga Pass., north of Langley): 6630D; 7017D.
- 1-E (training cruise area: east of Gedney Island): 6815C.
- 1-E (Port Susan, off Kayak Point): 6702B.
- 2-E (Port Susan, north of Kayak Point to Tulalip): 7112.
- 1-E (Saratoga Pass., Elger Bay): 7112.
- 2-AI (training cruise area: east of north Marrowstone Island): 6614J; 6630J.
- 6-CS (Port Madison): 1/22/49; 5043A; 5132D; 6203A; 6204B; 5302X.
- 1-CS (head of Quartermaster Harbor): 5042B.
- 1-CS (Tramp Harbor): 5104A.
- 1-CS (off Port Madison): 5043B.
- 2-CS (mouth of Quartermaster Harbor): 5104B; 5115H.
- 3-CS (off Agate Pass.): 5232A; 5302AA; 5310.2F.
- 3-CS (east of Point Monroe): 5805C; 5813B,C.
- 1-CS (beach seine: south of Fay Bainbridge State Park): 5806B.
- 31-CS (Murden Cove): 6610B,D; 6612B; 6613B; 6616; 6710A,B2,C2; 6713C,D,G,H; 6806B; 6809A; 6812E; 6818A,B,C; 6819X; 6821.5G,H,I; 6823-1,2,3; 6906D,E,G; 6912; 7008A; 4/4/73B.
- 2-CS (Vashon Island, off Sylvan Beach): 6703A,B.
- 1-CS (Vashon Island, east of Neill Point): 6703C.
- 1-CS (training cruise area: mid-channel, Skiff Point to West Point): 6614B.
- 1-CS (off West Point): 7017Y.
- 1-CS (Manchester): 6618.
- 5-PO (Agate Pass, buoy N4 to N6): 5048A; 5131A; 5132C; 5310.5J; 6617B.
- 49-PO (off Fletcher Bay to south of Battle Point and Brownsville): 5206B; 5223B; 5236E; 5301B; 5310.3B; 5317A,B; 5420X; 5413A; 5809A; 5523A; 5707B,G,H; 5709C; 5904B; 5907A; 5915B; 5919A; 5923B; 5924B; 6001AM,AN; 6008A; 6016B1,A2,B2,A3,B3,A4,A5,B5; 6101A; 6109A; 6111A,B; 6119J; 6201; 6205D1,D2,D3; 6307; 6320A; 6403AF; 6425-1A,2A; 6427A; 6507K; 6707.
- 1-PO (off Battle Point and north): 5310.3A.

Cymatogaster aggregata

Embiotocidae

University of Washington Boat Log

- 1-PO (Point Bolin to Keyport):
5310.4D.
- 3-PO (off Manzanita to off Seabold):
5310.5B,E; 6215A.
- 5-PO (off south of Fletcher Bay):
5413D; 5801A,C; 6016B4; 6118C.
- 21-PO (most probably off Fletcher Bay):
6002A; 6009A; 6203C; 6204A; 6214;
6711C; 6713A,B,E,F; 6715;
6821.5F; 7011A; 7020; 7104-1,2;
7105-1,2; 7107; 7302A; 7313X.
- 1-PO ("B-2" to "B-1"): 6205C3.
- 2-PO (beach seine: 1 mile north of Illahee Dock): 6205A3.1,A3.2.
- 1-PO (off Seabold Wharf): 6617A.
- 1-PO (Brownsville to White Point):
6806A.
- 12-S (off Meadow Point to Carkeek):
4/16/49-3; 5203A; 5211B,C; 5212C,
D,E; 5216A; 5606A; 6506C; 7119A,
B; 7120A.
- 38-S (off Golden Gardens to Meadow Point):
494D,E; 4910A; 5007C;
5008B,C; 5014C; 5017C,D; 5028A,C;
5110B; 5112C,E; 5119C,G,H; 5129C;
5132B; 5203D; 5314C; 5329C,D;
5512G; 5607B; 5702AN; 5704E;
5707J,K; 5907C,D; 5920B,E,F;
6112B; 6114A; 6206B; 6510C.
- 99-S (beach seine: Golden Gardens to Meadow Point):
5001; 5007D;
5015A,C; 5016C; 5019B,C; 5024C;
5032.1A,.1C; 5036A; 5040A; 5047A,
B,C; 5105A,B; 5110H; 5114A,B,C,D;
5116C1,C2,E; 5121B; 5127C; 5129B;
5134A,B; 5209C,D; 5214A,B; 5215E,
F,G,I,J,K,L,N; 5320A; 5322A;
5324E; 5326A; 5328A; 5329E;
5404A; 5412A; 54150,B,P; 5417A;
5419; 5424A,B; 5505D,E,F; 5508C,
D; 5510E,F; 5513C; 5514C,D;
5609A; 5612A; 5706A; 5710B,D;
5807A,B; 5913B; 5920N,O; 6019A;
6210C; 6211; 6-6309; 6417;
4-6310; 6319; 6411A,B; 6508D;
6509D; 6518A,B; 6716A.
- 14-S (beach seine: Carkeek Park):
5219A,B; 5220A,C; 5221B,C;
5225A,B; 5231A; 5708A,B,C; 5808A,
B.
- 1-S (off Alki Point to off Duwamish Head): 5702AM.
- 1-S (beach seine: north side of West Point): 7311A.
- 4-S (Golden Gardens):
6311A; 6511D,E,F.
- 13-S (beach seine: Alki Point to Duwamish Head): 13-6619.
- 1-S (off West Point sewer outfall):
6718-6.
- 1-S (off West Point): 6721-A2.
- 1-S (1 mile southwest of West Point): 6806C.
- 3-CP (off Camp Sealth):
5009E; 5104CC,DD.
- 1-SS (north end of Pickering Pass to off McLane Cove): 5009H.
- 1-SS (off east side of Cutts Island, Carr Inlet): 5037D.
- 1-SS (beach seine: Carr Inlet, west side of Cutts Island): 5037E.
- 8-SS (Carr Inlet, off Wauna):
5037I; 5101A; 5104F,G,W; 5126L;
5227A,C.
- 14-SS (Carr Inlet, off Glen Cove to off Cutts and Raft Islands):
5045H,K; 5101B; 5102A; 5104K,L,M,
Y,Z,AA; 5115F; 5126M; 5213D;
5227B.
- 16-SS (Carr Inlet, Minter Creek to Elgin): 5045J; 5046C; 5101C;
5102C; 5104D,V,X; 5107A; 5126F;
5135A,B,D; 5213F; 5227D,E,I.
- 2-SS (Oakland Bay, off Shelton):
5115B,C.
- 1-SS (Totten Inlet, Windy Point to Steamboat Island): 5115D.
- 1-SS (Case Inlet, off Victor):
5126G.
- 1-SS (off McLane Cove to Stretch Island): 5201L.
- 1-SS (east of Hartstene Island, Case Inlet): 6724C.
- 5-SS (Carr Inlet):
5522C,A; 5703B,C,D.
- 1-SS (trap: Eld Inlet): 6219-2.
- 1-SS (Drayton Pass.): 6724D.
- 2-SS (Carr Inlet, mid-channel, Glen Cove to Green Point): 6724B-1,2.

Miscellaneous Logs

- 1-HC (beach seine: Twanoh State Park): R. Dryfoos, personal communication, 9/63.
- 10+-S (beach seine: Duwamish River estuary): Metro, 1963-70.
- 10+-S (Duwamish River estuary):
Metro, 1966-70.
- 50+-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
- 50+-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
- 287-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
- 50+-S (Golden Gardens to Meadow Point):
U.W. Ocean., Hoh, 1963-67.
- 50+-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
- 50+-SS (Case Inlet, off Taylor Bay to off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
- 10+-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
- 50+-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
- 21-E (Port Susan):
U.W. Ocean., Hoh, 1963-67.
- 6-E (Penn Cove):
U.W. Ocean., Hoh, 1963-67.

Cymatogaster aggregata

Embiotocidae

Miscellaneous Logs

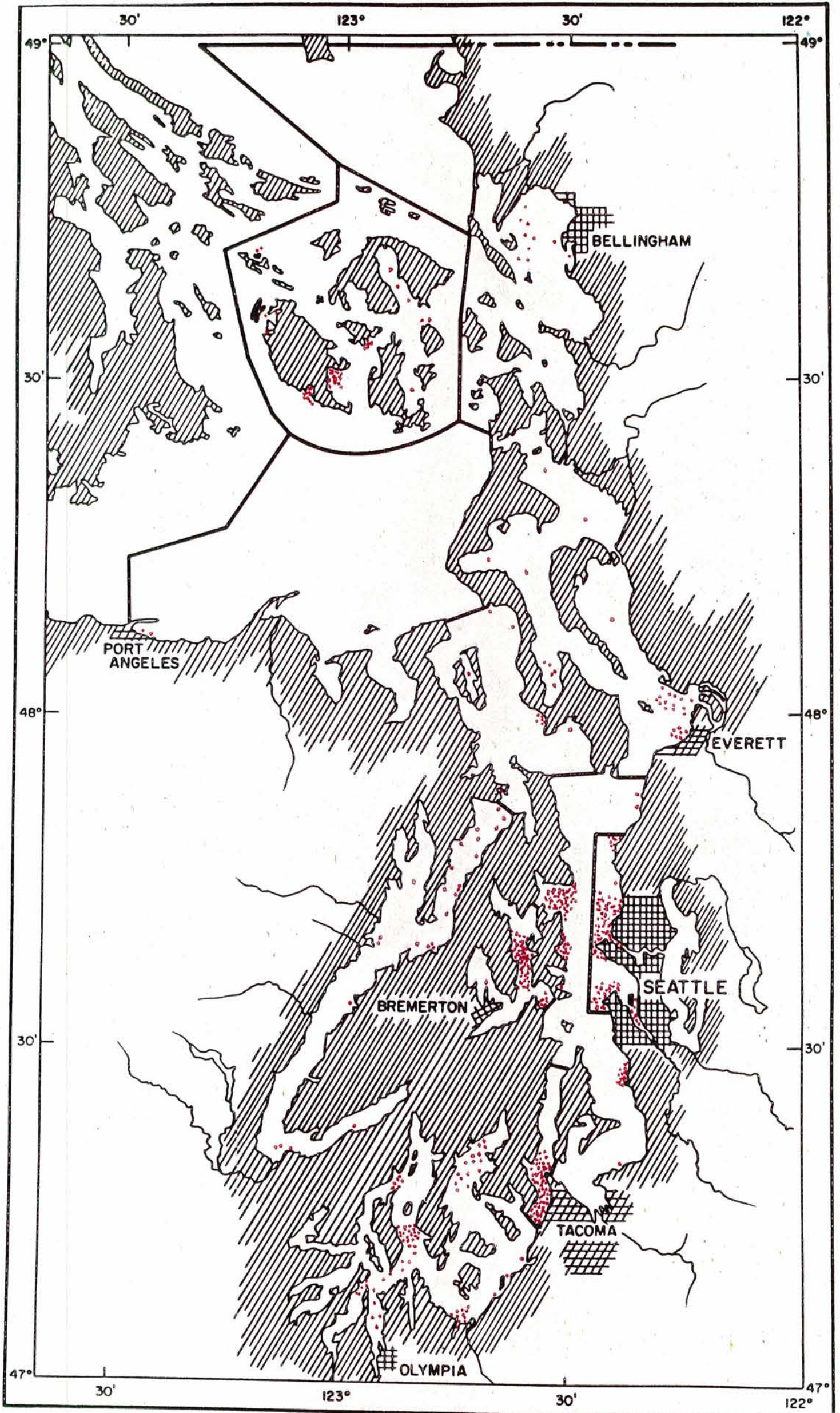
- 5-E (Port Gardner Bay):
U.W. Ocean., Hoh, 1963-67.
- 5-E (off Rocky Point to off Utsalady Point):
U.W. Ocean., Hoh, 1963-67.
- 2-E (Saratoga Pass., Rocky Point):
U.W. Ocean., Hoh, 1963-67.
- 7-E (Holmes Harbor):
U.W. Ocean., Hoh, 1963-67.
- 1-CS (herring trawl: Skiff Point to Point Jefferson):
U.W. Ocean., 1968-69.
- 2-SS (herring trawl: mouth of Carr Inlet):
U.W. Ocean., 1968-69.
- 9-PO (herring trawl: south of Fletcher Bay):
U.W. Ocean., 1968-69.
- 3-AI (east of Port Townsend):
NMFS, Cobb-35.
- 2-B (Bellingham Bay, Eliza Island):
NMFS, Cobb-68.
- 1-E (Elger Bay):
NMFS, Cobb, 1/20/61.
- 17-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
- 1-SJ (East Sound): NIH, 1968-71.
- 1-SJ (False Bay): NIH, 1968-71.
- 1-B (Bellingham Bay, off Nooksack River to Marine Drive):
NIH, 1968-71.
- 13-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
- 1-S (Duwamish Head to Alki Point):
NIH, 1968-71.
- 2-PO (Clam Bay): NIH, 1968-71.
- 1-HC (Big Beef Harbor): NIH, 69042.
- 1-SS (Case Inlet, Stretch Island to Herron Island): NIH, 1968-71.
- 11-CS (Port Madison):
Van Cleve, trap, 1961-65.
- 4-PO (off Fletcher Bay):
Van Cleve, trap, 1961-65.
- 14-SS (Eld Inlet entrance):
Van Cleve, trap, 1961-65.
- 5-E (Holmes Harbor):
Van Cleve, trap, 1961-65.
- 4-JF (beach seine: Dungeness embayment):
Peninsula College, 1971.
- 1-JF (beach seine: Port Angeles embayment):
Peninsula College, 1971.
- 1-JF (Discovery Bay):
Battelle, 1967-69.
- 1-JF (lower half of Sequim Bay):
Sea Grant, 71110.
- 1-CS (Port Madison): Bruce Miller, Diving Log, 9/22/64.
- 1-S (Edmonds ferry dock): Bruce Miller, Diving Log, 10/11/64.
- 10-JF (west of Protection Island):
NMFS, Cobb, 2/28/73.
- 1-S (Alki Point):
S.L. Ralston, Diving Log, 1971.
- 1-CP (Salmon Beach):
S.L. Ralston, Diving Log, 1971.
- 4-S (Golden Gardens):
S.L. Ralston, Diving Log, 1971.
- 1-AI (South Whidbey State Park):
S.L. Ralston, Diving Log, 1971.
- 1-E (Bowman Bay):
S.L. Ralston, Diving Log, 1971.
- 8-CP (beach seine: Gig Harbor spit):
Sea Grant, 72003 (also boat 7208).
- 2-CP (off Gig Harbor spit):
Sea Grant, 72003 (also boat 7208).
- 3-GS (Birch Bay; Cherry Point; Point Roberts): Al Millikan, personal communication, 2/17/70.
- 1-GS (south of Cherry Point):
Sea Grant, 72009.
- 3-S (Duwamish River estuary, 16th Ave. S. to 1st Ave. S. bridge):
Sea Grant, 72010.
- 2-AI (beach seine: Mutiny Bay):
Sea Grant, 72015.
- 5-CS (beach seine: Seahurst County Park):
Sea Grant, 72016.
- 2-PO (beach seine: Dyes Inlet, Tracyton launch ramp):
Sea Grant, 72018.
- 3-SS (beach seine: Nisqually Head):
Sea Grant, 72021.
- 9-S (beach seine: Golden Gardens):
Sea Grant, 1972.
- 4-S (Duwamish River estuary, 16th Ave. S. to 1st Ave. S. bridge):
Sea Grant, 72024.
- 1-CP (off Gig Harbor spit):
Sea Grant, 72025.
- 1-HC (off Big Beef Harbor):
Sea Grant, 72026.
- 2-B (beach seine: Wildcat Cove):
Sea Grant, 72029.
- 3-SS (beach seine: Nisqually Head):
Sea Grant, 72030.
- 1-HC (off Big Beef Harbor):
Sea Grant, 72031.
- 2-AI (beach seine: Mutiny Bay):
Sea Grant, 72033.
- 1-SS (off Nisqually Delta):
Sea Grant, 72034.
- 3-B (Bellingham Bay, off Nooksack River):
Sea Grant, 72035.
- 1-B (Bellingham Bay, east of Eliza Island):
Sea Grant, 72035.
- 17-S (beach seine: north side of West Point):
Sea Grant, 1973.
- 13-S (beach seine: south side of West Point):
Sea Grant, 1973.
- 6-CS (beach seine: at Lunds Gulch, north of Meadowdale):
Sea Grant, 73002.
- 9-S (off northwest side of West Point):
Sea Grant, 1973.
- 6-S (off southwest side of West Point):
Sea Grant, 1973.
- 4-S (north of Meadow Point to Carkeek Park):
Sea Grant, 1973.

Cymatogaster aggregata

Embiotocidae

Miscellaneous Logs

- 4-S (southwest of Alki Point):
Sea Grant, 1973.
- 2-S (deep otter trawl: off southwest
of Alki Point): Sea Grant, 1973.
- 4-PO (off south of Fletcher Bay):
Sea Grant, 73008.
- 2-S (Duwamish River estuary, 1st
Ave. S. to 16th Ave. S. bridge):
Sea Grant, 1973.
- 2-S (Duwamish River estuary,
downstream from 1st Ave. S.
bridge): Sea Grant, 1973.
- 2-SS (off Nisqually River delta):
Sea Grant, 1973.
- 8-SS (McAllister Creek estuary):
Sea Grant, 1973.
- 2-HC (off southwest of Big Beef
Harbor): Sea Grant, 1973.
- 4-SS (McLane Cove toward Stretch
Island): Sea Grant, 1973.
- 1-SS (west side of Dougall Point):
Sea Grant, 1973.
- 11-SS (mid-channel, McLane Cove to
Stretch Island):
Sea Grant, 1973-74.
- 10-HC (off Union):
Sea Grant, 1973-74.
- 6-HC (mid-channel, off Union):
Sea Grant, 1973-74.
- 8-HC (off Skokomish River delta):
Sea Grant, 1973-74.
- 1-E (Holmes Harbor):
U.W. Ocean., Hoh, S.J., 1966.
- 4-HC (deep otter trawl: mid-channel,
off Skokomish River delta):
Sea Grant, 1973-74.
- 1-HC (Carlson Point to King Spit):
Sea Grant, 73039.
- 3-HC (Bangor Annex): Kramer, Chin,
and Mayo, NCEL Survey, 1973.
- 3-SS (Cormorant Pass.):
Sea Grant, 73059, 73060.
- 2-B (Bellingham Bay): Tyler, 1965.
- 1-SS (Carr Inlet): WSDF, Commercial
Catch Comp., 1966-71.
- 1-JF (west of Protection Island):
NMFS, Cobb-35.



Embiotoca lateralis

Embiotocidae

Published Records

1-SS (Fort Steilacoom):
 Girard, 1859; Suckley, 1860;
 Girard, 1856a.
 1-JF (beach seine: Port Angeles):
 Gilbert, 1895.
 1-AI (Kilisut Harbor):
 Evermann and Goldsborough, 1907.
 1-SJ: Starks, 1911.
 1-HC (Holly):
 Schultz and DeLacy, 1935-36.
 1-E (Skagit and Similk Bays):
 Stober and Salo, 1970a.
 1-S (Duwamish River): Salo, 1969.
 1-S (Duwamish Head): Salo, 1969.
 1-E (Skagit Bay): Salo, 1969.
 3-S (Alki Point; off Ballard Locks;
 Edmonds Beach):
 Sivalingam, 1953.
 6-S (Golden Gardens):
 Sivalingam, 1953.
 10-S (Carkeek Park):
 Sivalingam, 1953.
 8-B (beach seine: Bellingham Bay,
 north of Eliza Island):
 Tyler, 1964.
 1-CS (Dumas Bay): Miller, 1971b.
 1-CS (Seahurst County Park):
 Miller, 1971a.
 10+-SS (Case Inlet to Olympia):
 Haw and Buckley, 1971.
 50+-CP (Tacoma Narrows):
 Haw and Buckley, 1971.
 2-HC (fyke net: in Big Beef Harbor):
 Anderson and Chew, 1972.
 1+-SJ: MacPhee and Clemens, 1962
 (also Friday Harbor Lab Log).
 10+-HC (north part):
 Haw and Buckley, 1971.

University of Washington
Museum Collection

1-S (Seattle): 93.
 3-SJ (False Bay):
 572; 2266; 14212 (also Friday
 Harbor Log, 8/4/52-2).
 1-SJ (East Sound, White Beach):
 595.
 1-SJ: 731.
 12-S (Alki Point): 766; 875; 931;
 1441; 1920; 3124; 3633; 4217;
 4372; 4395; 4412; 4908.
 4-S (Golden Gardens):
 770; 798; 17131; 18050.
 1-SJ (near Peavine Pass.): 1102.
 1-SJ (Peavine Pass.): 2091.
 1-SJ (Squaw Bay): 2301.
 1-AI (Useless Bay): 4415.
 1-AI (Bywater Bay): 4455.
 1-PS: 4636.
 1-S (Shilshole Bay): 15449.
 1-S (off Ballard Locks): 4380.
 1-S (south of Ballard Locks): 4843.
 2-S (beach seine: spit near Ballard
 Locks): 4582; 4618.

3-S (off Golden Garden): 5853 (also
 boat 493B); 5983 (also boat
 495D); 5836 (also boat 496C).
 3-S (Edmonds): 4930; 5226; 4910.
 5-S (Edmonds Beach):
 5409; 5461; 5475; 5512; 5517.
 7-S (Carkeek Park):
 5528; 5540; 5551; 5562; 5678 and
 5679; 5701; 11687.
 1-S (Duwamish Head): 8113.
 1-S (beach seine: Golden Gardens):
 8159 (also boat 5137A).
 1-S (Duwamish River): 11315.
 2-S (beach seine: Carkeek Park):
 14210 (also boat 5219A); 14211
 (also boat 5221B).
 1-SS (beach seine: 1 mile north of
 Minter Creek):
 14213 (also boat 5126E).
 1-SJ (Upright Channel): 17203.

Friday Harbor Laboratory Log

2-SJ (Satellite Island):
 7/5/51-3; 7/10/50-6.
 1-SJ (San Juan Island, White Point):
 7/19/51-1.
 15-SJ (Argyle Bay):
 7/21/52; 8/16/55-2,3; 7/5/60;
 8/11/60-2,3; 6/22/61; 6/23/61;
 7/8/61; 7/12/61-1,3,4; 7/18/61-2;
 7/15/63; 7/10/69-4.
 2-SJ (False Bay): 8/5/60; 6/29/61.
 3-SJ (Squaw Bay):
 8/1/55; 8/1/60-1; 7/10/61-1.
 1-SJ (outside False Bay):
 8/17/55-2.
 1-SJ (Argyle Lagoon): 8/11/60.
 1-SJ (Mitchell Bay): 8/16/60-1.
 1-SJ (Westcott Bay): 8/16/60-2.
 1-SJ (North Bay): 8/18/60-1.
 1-SJ (San Juan Island): 5/62.
 2-HC (off Pleasant Harbor):
 7202C; 7003I.
 1-CS (beach seine: south of Fay
 Bainbridge State Park): 5806A.
 11-CS (Murden Cove):
 6710A; 6821.5H; 6610C; 6612B;
 6713C,G; 6812B,C; 6818A,C; 6823.
 2-E (Holmes Harbor): 5522D; 5604D.
 1-E (Saratoga Pass., south of
 Snatelum Point): 5712C.
 2-PO (off Fletcher Bay):
 5413E; 7206.
 3-PO (probably off Fletcher Bay):
 6214; 6916H; 7104-1.
 23-S (off Golden Gardens to Meadow
 Point): 494B; 498A; 5009K;
 5014C; 5110B; 5112C; 5119H;
 5131C; 5132A,B; 5203D; 5233B,C;
 5329D; 5512G; 5607B; 5907C;
 5920F; 6018A; 6112B,C; 6026A,B.
 5-S (beach seine: Alki Point to
 Duwamish Head): 5-6619.

Embiotoca lateralis

Embiotocidae

Friday Harbor Laboratory Log

- 125-S (beach seine: Golden Gardens to Meadow Point): 492E; 5007D; 5012C; 5016A,C; 5018A; 5019B,C; 5021A,D,F,G; 5024A,C,D; 5030B; 5032.1A,.1C; 5036A; 5040A; 5047A, B,C; 5108A; 5110G,H; 5112F,G; 5114B,D; 5116A,B,C1,D1,E; 5119F; 5121B; 5127C; 5129B; 5134A,B; 5137B; 5209C,D; 5214A1,A2,B,C,D1, D2,E1,E2,F1,F2; 5215U,B,C,G,K; 5320A; 5322A; 5324E; 5406; 5407; 5409; 5415J,G; 5417A; 5609A,B; 5612A; 5706A,B,C; 5710B,C,D; 5804A; 5807A,B; 5913B; 5914A; 5920L,O; 5925A; 6014A; 6019A,B,C; 6115A,B; 6116A,B; 6207B,C; 6210C; 6211; 3-6309; 4-6310; 6311B,C; 6319; 6410B,C; 5-6417; 6508C,D; 6509A,B,D; 6513A; 6518A; 6711B2; 6716A; 7209B,D.
- 15-S (beach seine: Carkeek Park): 5022A; 5219B; 5220A; 5221C; 5225A,B; 5231A; 5311A; 5313C; 5708A,B,C,D; 5808A,B.
- 5-S (off Meadow Point to Carkeek Park): 5211A; 7119A,B; 7120A,B.
- 5-S (beach seine: north side of West Point): 7310B1,B2,B3; 7311A,B.
- 2-S (Golden Gardens): 6311A; 6511F.
- 2-S (off Meadow Point): 6506A,C.
- 1-S (Meadow Point to Richmond Beach): 6429A.
- 2-S (off Alki Point to Duwamish Head): 6615A,B.
- 1-SS (north end of Pickering Pass. to off McLane Cove): 5009H.
- 1-SS (beach seine: Carr Inlet, west side of Cutts Island): 5037E.
- 3-SS (off Minter Creek to Elgin): 5101C; 5104D; 5135D.
- 6-SS (Carr Inlet, off Glen Cove to Raft and Cutts Islands): 5045H; 5101B; 5104K,L,M,N.
- 2-SS (Carr Inlet): 5522C; 5605B.
- 1-SS (trap: Eld Inlet): 6219-2.
- 1-SJ (training cruise area: East Sound, north of Rosario Point): 7017H.
- 1-B (training cruise area: Bellingham Bay, southwest of Post Point): 7017G.
- 1-HC (Dabob Bay): 7102B.
- 1-SJ (training cruise area: southwest of Center Island): 7017I.
- 1-PO (probably off Fletcher Bay): 7313X.
- 1-S (West Point to Magnolia): Metro, 1963-70.
- 9-S (beach seine: Duwamish River estuary): Metro, 1963-70.
- 1-S (Duwamish River estuary): Metro, 1966-70.
- 5-S (Duwamish Head): U.W. Ocean., 1964-67.
- 1-S (Duwamish River): U.W. Ocean., 1964-67.
- 7-E (Port Gardner Bay): U.W. Ocean., P.G., 1962-67.
- 50+-PO (just south of Fletcher Bay): U.W. Ocean., P.O., 1964-65.
- 50+-S (Golden Gardens to Meadow Point): U.W. Ocean., Hoh, 1963-67.
- 17-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
- 1-HC (Seabeck): U.W. Ocean., Hoh, 1963-67.
- 14-SS (Case Inlet, off Taylor Bay to off Whiteman Cove): U.W. Ocean., Hoh, 1963-67.
- 3-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
- 29-CS (Port Madison): U.W. Ocean., Hoh, 1963-68.
- 1-E (Port Susan): U.W. Ocean., Hoh, S.J., 1966.
- 1-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
- 11-S (Golden Gardens to Meadow Point to Carkeek Park): NIH, 1968-71.
- 1-PO (Clam Bay): NIH, 1968-71.
- 1-CS (Port Madison): Van Cleve, trap, 1961-65.
- 1-PO (off Fletcher Bay): Van Cleve, trap, 1961-65.
- 3-SS (Eld Inlet entrance): Van Cleve, trap, 1961-65.
- 3-E (Holmes Habor): Van Cleve, trap, 1961-65.
- 1-E (Penn Cove): Van Cleve, trap, 1961-65.
- 1-JF (beach seine: Port Angeles embayment): Peninsula College, 1971.
- 2-CS (3-Tree Point): Bruce Miller, Diving Log, 9/64.
- 1-S (Edmonds ferry dock): Bruce Miller, Diving Log, 10/11/64.
- 1-SJ (East Sound): Bruce Miller, Diving Log, 10/18/64.
- 1-CS (3-Tree Point): Bruce Miller, Diving Log, 2/3/67.
- 1-S (Alki Point): Bruce Miller, Diving Log, 5/17/68.
- 1-CS (reef on north side of Bainbridge Island): Bruce Miller, Diving Log, 6/21/68.
- 1-CS (Port Blakely): Bruce Miller, Diving Log, 7/12/68.
- 1-S (Golden Gardens): Bruce Miller, Diving Log, 12/4/68.

Miscellaneous Logs

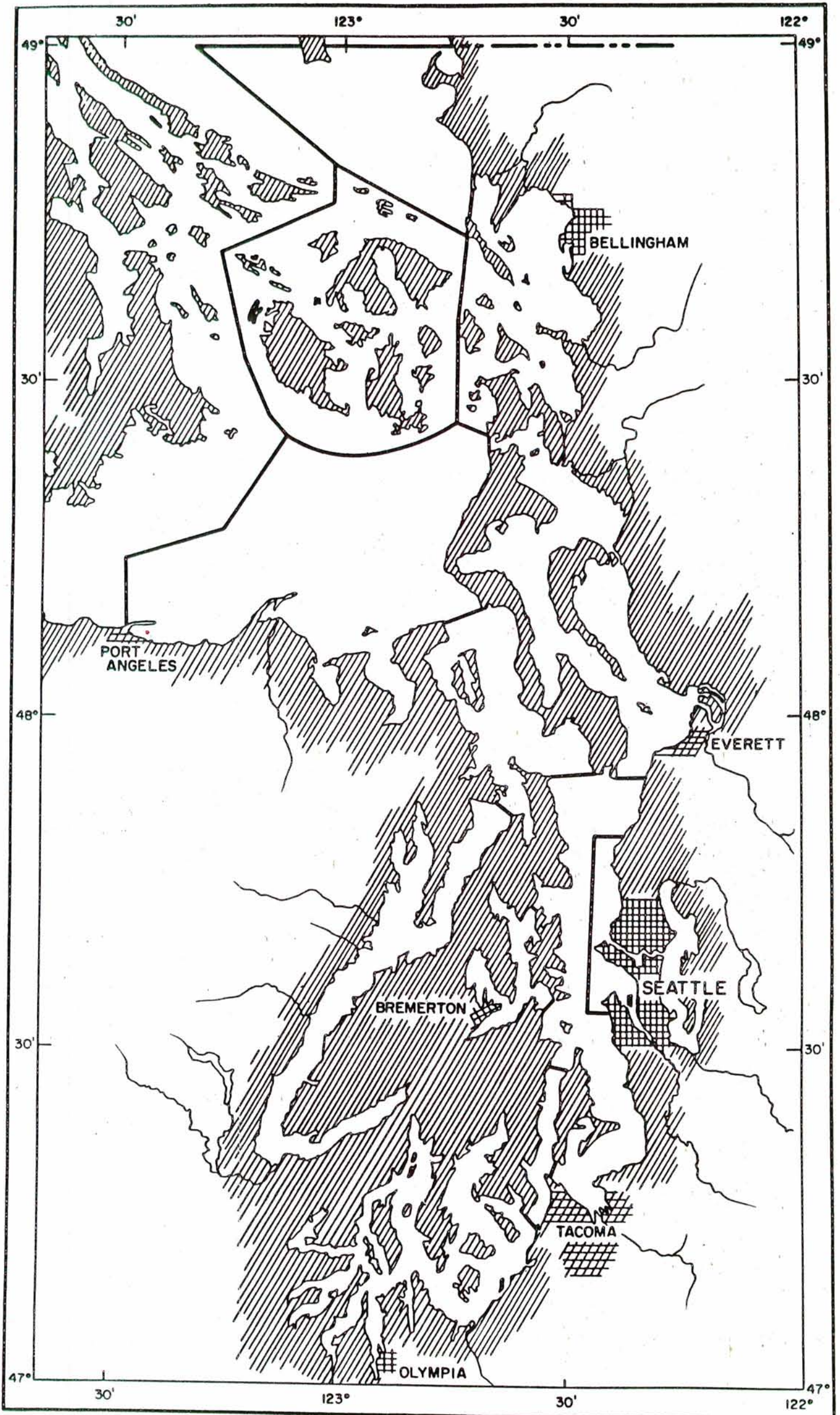
- 10+-E (east of Geaney Island): R. Tyler, personal communication, 6/3/63.
- 1-HC (beach seine: Twanoh State Park): R. Dryfoos, personal communication, 9/63.

Embiotoca lateralis

Embiotocidae

Miscellaneous Logs

- 2-PO (Clam Bay):
Bruce Miller, Living Log, 1970.
- 1-PO (Orchard Rocks): Bruce Miller,
Diving Log, 9/11/70.
- 1-CS (Picnic Point): Bruce Miller,
Diving Log, 10/2/70.
- 2-S (Golden Gardens):
S.L. Ralston, Living Log, 1971.
- 1-AI (South Whidbey Island State
Park):
S.L. Ralston, Living Log, 1971.
- 1-S (south of Carkeek Park):
Sea Grant, 3/17/71.
- 13-CP (beach seine: Gig Harbor
spit): Sea Grant, 72003 (also
boat 7208).
- 1-S (Duwamish River estuary, 16th
Ave. S. to 1st Ave. S. bridge):
Sea Grant, 72010.
- 5-CS (beach seine: Seahurst County
Park): Sea Grant, 72016.
- 1-PO (beach seine: Dyes Inlet,
Tracyton launch ramp):
Sea Grant, 72018.
- 3-SS (beach seine: Nisqually Head):
Sea Grant, 72021.
- 3-CP (off Gig Harbor spit):
Sea Grant, 72025.
- 1-HC (off Big Beef Harbor):
Sea Grant, 72025.
- 6-S (beach seine: Golden Gardens):
Sea Grant, 1972.
- 2-SS (beach seine: Nisqually Head):
Sea Grant, 72030.
- 2-AI (beach seine: Mutiny Bay):
Sea Grant, 72033.
- 1-SS (off Nisqually Flats):
Sea Grant, 72034.
- 9-S (beach seine: north side of West
Point): Sea Grant, 1973.
- 6-S (beach seine: south side of West
Point): Sea Grant, 1973.
- 1-CS (beach seine: at Lunds Gulch
north of Meadowdale):
Sea Grant, 73002.
- 2-S (off northwest of West Point):
Sea Grant, 1973.
- 4-S (off southwest of West Point):
Sea Grant, 1973.
- 12-S (north of Meadow Point to
Carkeek Park): Sea Grant, 1973.
- 1-PO (off south of Fletcher Bay):
Sea Grant, 73008.
- 1-SS (off Nisqually-McAllister
Creek delta): Sea Grant, 1973.
- 3-AI (beach seine: Mutiny Bay):
Sea Grant, 72015.
- 3-SS (McAllister Creek estuary):
Sea Grant, 1973.
- 2-SS (McLane Cove toward Stretch
Island): Sea Grant, 1973.
- 2-SS (west side of Dougall Point):
Sea Grant, 1973.
- 2-SS (mid-channel, McLane Cove to
Stretch Island):
Sea Grant, 1973.
- 1-HC (off Union): Sea Grant, 1973.
- 2-HC (off Skokomish River delta):
Sea Grant, 1973.
- 3-HC (Bangor Annex): Kramer, Chin
and Mayo, NCEL Survey, 1973.
- 1-SS (Tatsolo Point):
Sea Grant, 73059.
- 1-SS (Cormorant Pass):
Sea Grant, 73060.
- 2-B (Chuckanut Bay; Pleasant Bay):
Al Milbun, Diving, 1961.
- 1-AI (Keystone ferry):
Al Milbun, Diving, 4/9/61.
- 1-S (southwest of Alki Point):
Sea Grant, 1973.

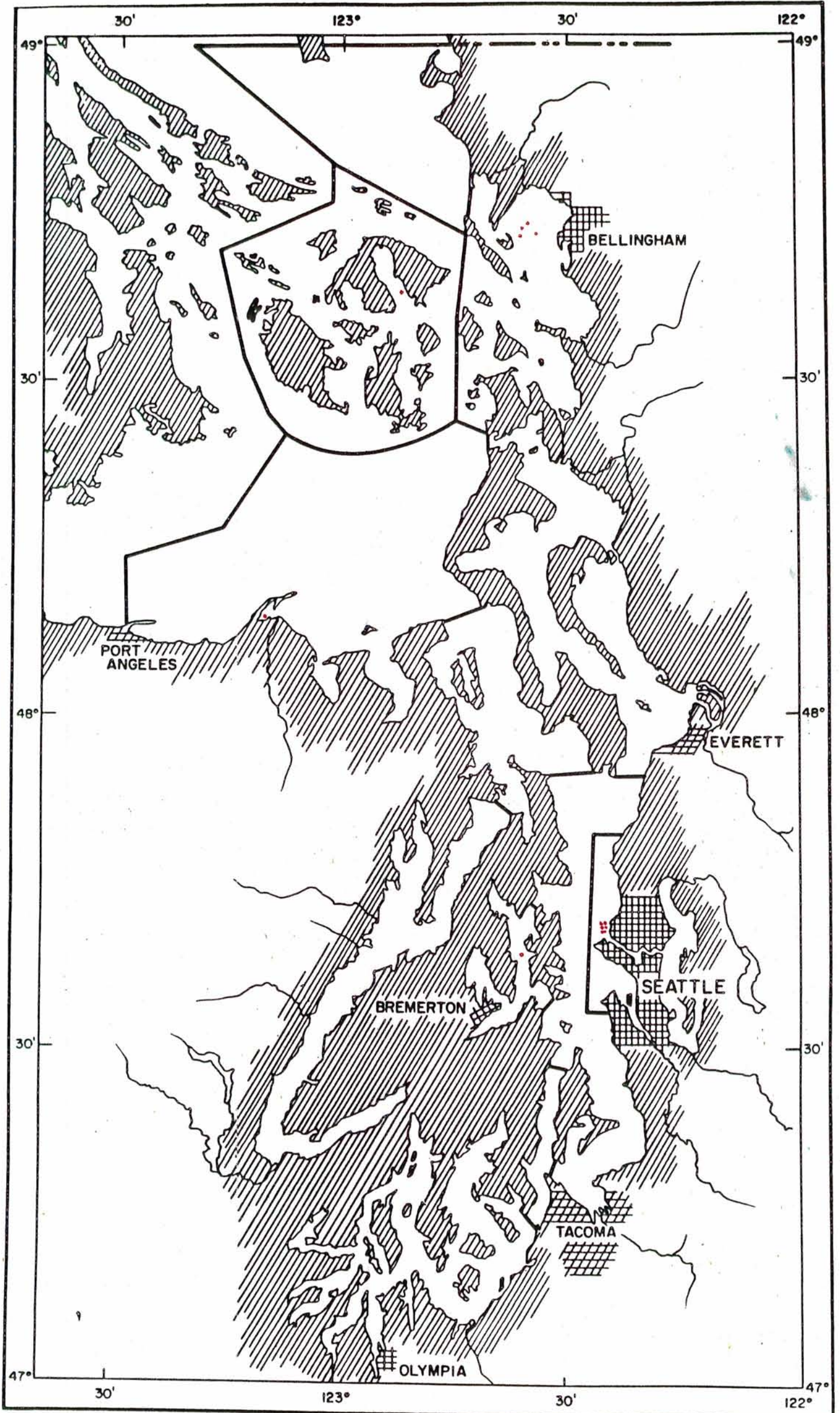


Hyperprosopon ellipticum

Embiotocidae

Published Records

- 1-JF (beach seine: Port Angeles):
Gilbert, 1895.
1-PS: Jordan and Gilbert, 1881c;
Jordan, 1884.
1-PS: Jordan and Starks, 1896.
1-PS: Kincaid, 1919.



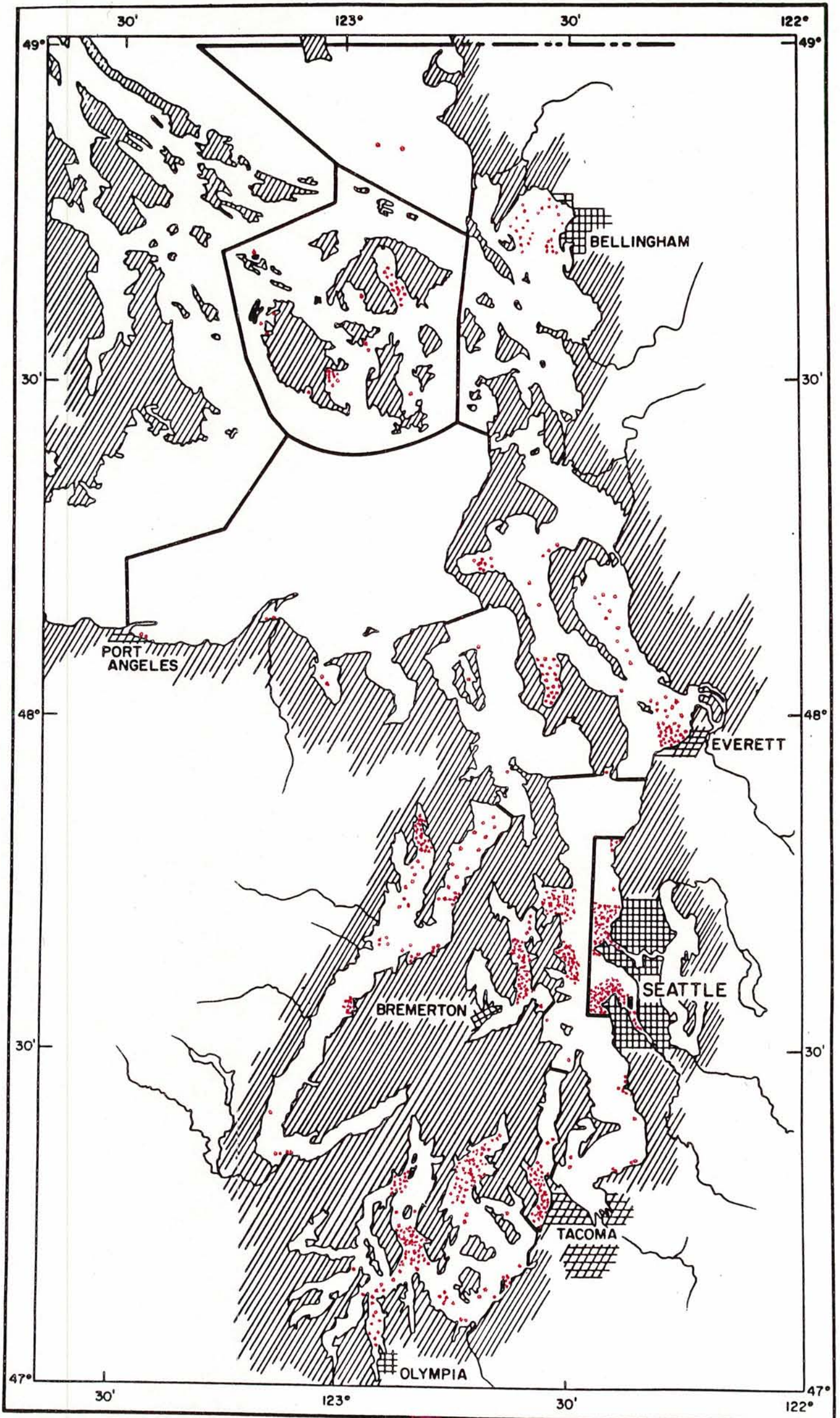
Phanerodon furcatus

Embiotocidae

Published Records

1-SJ: Starks, 1911.

University of Washington
Museum Collection1-SJ (East Sound):
17122 (Bruce Miller, 9/16/63).Miscellaneous Logs6-S (Golden Gardens to Meadow
Point):U.W. Ocean., Hoh, 1963-67.1-PO (south and north of Fletcher
Bay): U.W. Ocean., Hoh, 1963-67.4-B (Bellingham Bay): WSDF,
groundfish trawl, through 1970.1-JF (beach seine: Dungeness embay-
ment): Peninsula College, 1971.



Rhacochilus vacca

Embiotocidae

Published Records

- 1-SS (Fort Steilacoom):
Girard, 1856a; 1859.
1-PS: Suckley, 1860.
1-JF (beach seine: Port Angeles):
Gilbert, 1895.
2-AI (Kilisut Harbor; Marrowstone
Point):
Evermann and Goldsborough, 1907.
1-SJ: Starks, 1911.
1-HC (Holly):
Schultz and DeLacy, 1935-36.
2-GS: Smith, 1936.
2-B (Bellingham Bay): Smith, 1936.
5-E (Coupeville): Smith, 1936.
1-JF (Sequim Bay): Smith, 1936.
2-HC (Bangor; Dabob Bay):
Smith, 1936.
1-SS (Hale Pass): Smith, 1936.
1-HC (Hoodspout): Smith, 1937.
2-SS (Anderson Island; Dofflemeyer
Point): Smith, 1937.
3-S (Duwamish River): Salo, 1969.
14-S (Duwamish Head): Salo, 1969.
4-E (Port Gardner): Salo, 1969.
1-CS (beach seine: south side of
Point Jefferson): Kendall, 1966.
2-CS (Dumas Bay): Miller, 1971b.
2-CS (Seahurst County Park):
Bruce Miller, 1971a.
10+-HC (north part):
Haw and Buckley, 1971.
50+-CP (Tacoma Narrows):
Haw and Buckley, 1971.
10+-SS (Case Inlet to Olympia):
Haw and Buckley, 1971.
2-HC (Anderson Cove): Chew, 1970.
3-HC (Fyke net: in Big Beef Harbor):
Anderson and Chew, 1972.
20-B (beach seine: Bellingham Bay,
north of Eliza Island):
Tyler, 1964.

University of Washington
Museum Collection

- 7-S (Alki Point): 765; 869; 874;
1921; 3123; 4265; 4480.
1-S (West Seattle): 916.
1-E (Saratoga Pass., Sandy Point):
2661.
1-S (beach seine: North Beach):
4523.
2-S (sandspit near Ballard Locks):
4576; 4659.
2-PS: 4638; 5593.
1-SS (Carr Inlet, off Glen Cove):
5812 (also boat 5009J).
1-SS (Case Inlet, west of Herron
Island): 5813 (also boat 5009G).
1-CS (Port Madison): 6089.
1-SS (beach seine: mainland opposite
Stretch Island):
6095 (also boat 7/20/49-2).
1-SS (off McLane Cove):
9813 (also boat 5009H).

- 1-CS (beach seine: Cultus Bay):
9818 and 16269 (also boat 5217A).
2-CS (Redondo Beach): 11677; 4795.
2-S (beach seine: Golden Gardens):
5869 (also boat 5/3/49); 16265
(also boat 5925A).
1-S (Golden Gardens):
5866 (also boat 6/29/49).
1-S (off Golden Gardens):
5742 (also boat 497E).
2-SJ (East Sound):
692; 18680 (also NIH, 1964-66).
1-S (Seattle): 841.
3-S (Edmonds Beach):
5524; 11319; 16258.
4-S (Carkeek Park):
5535; 5539; 5552; 5561.
1-SS (beach seine: 1 mile north of
Minter Creek):
10422 (also boat 5126E).
1-S (Meadow Point):
11318 (also boat 5129B).
1-S (Ballard Locks): 18681.

Friday Harbor Laboratory Log

- 1-SJ (Satellite Island): 7/5/51-3.
9-SJ (Argyle Bay):
7/21/52; 8/16/55-2,3; 8/11/60-2,
3; 6/22/61; 7/12/61-1; 7/18/61-2;
7/15/63.
1-SJ (False Bay): 8/4/52-2.
4-SJ (Argyle Lagoon): 7/31/60;
8/11/60-1; 7/12/61-2; 7/9/73.
2-SJ (Squaw Bay):
8/1/60-1; 7/10/61-1.
1-SJ (Mitchell Bay): 8/16/60-1.
1-SJ (Westcott Bay): 8/16/60-2.
1-SJ (White Beach): 8/16/60-4.
2-SJ (North Bay): 8/18/60-1,2.
1-SJ (Mosquito Pass): 7/17/61-1.
1-SJ (Squaw Bay or West Sound):
6/30/67.
1-SJ (Squaw-Ogden): 6/27/69.

University of Washington Boat Log

- 3-SJ (training cruise area: East
Sound, north of Rosario Point):
6603H; 6630H; 7118H.
1-SJ (training cruise area: Lopez
Sound, southwest of Center
Island): 7118I.
5-B (training cruise area: south-
west of Post Point): 6630G;
6815G; 6826G; 6908G; 7313G.
6-E (Holmes Harbor):
5305L,M; 5327B; 5405A,B,D.
8-E (Holmes Harbor, south of
Classic):
5307F,G,T,U; 5312B,E,N; 5501C.
2-E (Holmes Harbor, Rocky Point to
Dines Point): 5307K,L.
1-E (Saratoga Pass.; Onamac Point to
Indian Beach): 5405N.

Rhacochilus vacca

Embiotocidae

University of Washington Boat Log

- 1-E (Saratoga Pass.; Onamac Point to Snatelum Point): 5712C.
 1-AI (off Tala Point to Hood Head): 6902M.
 3-HC (Anderson Cove): 7009A,B,D.
 4-HC (Dabob Bay): 6202A,F; 7205N; 7102B.
 2-HC (west of Misery Point and Seabeck Bay): 6902J; 7202A.
 29-HC (Dabob Bay, Broad Spit to Long Spit): 6503A,E,F,G; 6601C,D; 6629A,E; 6503C; 6702D,F; 6804F; 6807B; 6828A; 6902A,B,E,F; 7202D, E,F,H,J; 7303B,C,D,F; 7003A,B.
 4-HC (off Pleasant Harbor): 6804E; 6902L; 7003I; 7102M.
 1-CS (mouth of Quartermaster Harbor): 5115H.
 3-CS (Port Madison): 5131B; 5812A; 7011C.
 1-CS (north of Des Moines): 5224A.
 1-CS (off Fay Bainbridge State Park): 5805A.
 3-CS (east of Point Monroe): 5805C; 5813B,C.
 1-CS (beach seine: south of Fay Bainbridge State Park): 5806B.
 1-CS (Vashon Island off Sylvan Beach): 6703A.
 1-CS (Vashon Island, east of Neill Point): 6703C.
 1-CS (Manchester): 6618.
 42-CS (Murden Cove): 6610B,C,D; 6612A,B; 6613A; 6616; 6710A,A2,B2,C2; 6713C,D,G,H; 6806B; 6809A; 6812B,C,E; 6818A,B,C; 6819X; 6821.5G,H,I; 6823-1,3; 6906B,D,E; 6912; 7108A,B,C,D; 4/4/73B; 7308A; 7008A; 7016H,C.
 2-PO (Agate Pass, buoy N4 to N6): 5132C; 6617B.
 67-PO (off Fletcher Bay to south of Battle Point and Brownsville): 5206B; 5207D; 5223B; 5226B; 5230F; 5235P; 5236C,E; 5301B; 5302BB; 5309A; 5310.3B,.5D; 5402X; 5504; 5507; 5523A,B; 5524; 5602A; 5615A,B,C; 5707A,B,G,H; 5709C; 5711A; 5809A; 5901AK; 5904A,B,C; 5905A; 5906A; 5907A; 5910A; 5912A; 5915B; 5919B; 5923B; 5924B; 5927C; 6001AM; 6006A; 6008A; 6011A; 6016A1,B1,B2,A3,B3,A4,B5; 6101A; 6111A,B; 6205D1,D3; 6307; 6320B; 6403AF; 6427A,B; 6507K; 6707.
 7-PO (off south of Fletcher Bay): 5229A,D; 5413F; 5801A,B; 6016B4; 6118A.
 5-PO ("B-2" to "B-1"): 5236F; 5301C; 6205C1,C2,C3.
 22-PO (most probably off Fletcher Bay): 5306B; 6002A; 6009A; 6214; 6515-2; 6711C; 6713A,B,E,F; 6715; 6716.5; 6821.5F; 7107A,B; 7302A; 7011A; 7313X; 6916D; 7020; 7105-1,2.
 3-PO (beach seine: 1 mile north of Illahee dock): 6205A1.2,2.1,3.1.
 1-PO (Manzanita to Seabold): 6215A.
 1-PO (off Seabold Wharf): 6617A.
 1-PO (Brownsville to White Point): 6806A.
 13-S (off Meadow Point to Carkeek Park): 5211A; 5212A,D,E; 5401C; 6414B; 6510A,B; 5233A; 7119A,B; 7120A,B.
 1-S (off Alki Point to Duwamish Head): 5027A.
 86-S (beach seine: Golden Gardens to Meadow Point): 492E; 5010B; 5015A; 5019B,C; 5021A,G; 5024C,D; 5030B; 5032.1A,C; 5036A; 5110H; 5112F; 5114C,D; 5116A,B,C2,D1,E,G1; 5119E,F; 5121B; 5209C; 5214A,B,C,D,E,F1,F2; 5215U,A,B,C,D,L,M; 5308B; 5328A; 5329E; 5406; 5407; 5409; 5415M,O; 5417A; 5424B; 5514D; 5612A; 5706A,C; 5710A; 5804A; 5807A,B; 5913A; 6019A,B,C; 6110; 6115A,B; 6116A; 6207A,B; 6210C; 6211; 2-6309; 2-6310; 6311D; 6319; 6410A; 6411B; 3-6417; 6509A,C,D; 6518A.
 31-S (off Golden Gardens to Meadow Point): 495D; 498A; 5028A,C; 2E; 5119G,H; 5129C; 5131C; 5132A,B; 5203C,D; 5233B; 5329A,C; 5401E; 5607B; 5702AN; 5707J,K; 5907B,C,D; 5911A; 5920A,B,E; 6010A,B,D.
 10-S (off Golden Gardens to Meadow Point): 6018A; 6112A,B,C; 6114A; 6206A,B; 6414A; 6506A,C.
 14-S (beach seine: Carkeek Park): 5219A,B; 5220A; 5221B,C; 5225B; 5231A; 5311A,B; 5313C; 5708A,B; 5808A,B.
 1-S (beach seine: north side of West Point): 7311B.
 1-S (Meadow Point to Richmond Beach): 6429A.
 1-S (Golden Gardens): 6511E.
 2-S (beach seine: Alki Point to Duwamish Head): 6619M,T.
 1-S (off West Point sewer outfall): 6718-6.
 2-CP (off Camp Sealth): 5009E; 5104CC.
 5-SS (northwest end of Nisqually Reach): 5009I; 5201C,D; 5204F,G.
 2-SS (Carr Inlet, off east side of Cutts Island): 5037D,F.
 16-SS (off Glen Cove to off Raft and Cutts Islands): 5045H; 5102A; 5104L,M,Y,AA; 5204A,B,C,D,K,L,M,N; 5213D; 5227B.
 10-SS (Carr Inlet, off Minter Creek to Elgin): 5045J; 5102C; 5104D,I,V; 5107A; 5135D; 5227D,E,I.

Rhacochilus vacca

Embiotocidae

University of Washington Boat Log

- 1-SS (off north of Home to off Horsehead Bay Spit): 5104R.
 1-SS (Carr Inlet, southwest of Green Point): 5104T.
 1-SS (Totten Inlet, Windy Point to Steamboat Island): 5115D.
 3-SS (Carr Inlet, off Wauna): 5227A,C; 5104G.
 1-SS (Carr Inlet): 5522C.
 2-SS (Carr Inlet, off Glen Cove to Green Point): 6724B-1,2.
 1-SS (Case Inlet, east of Hartstene Island): 6724C.
 1-CS (off West Point): 7017Y.
 4-HC (Dabob Bay): 7102E,F,L,Q.
 1-PO: 7104-1.

Miscellaneous Logs

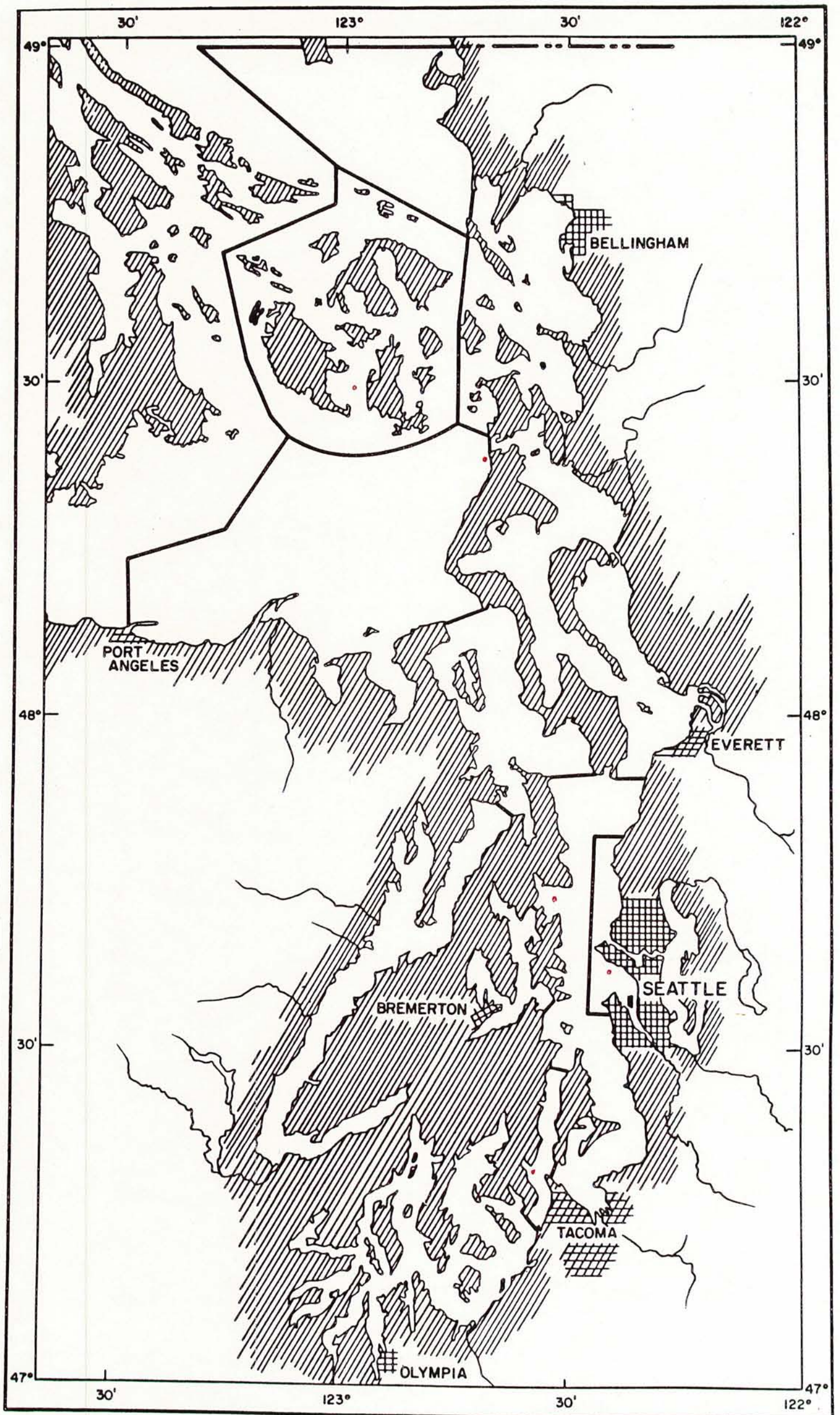
- 10+-E (east of Gadney Island):
 R. Tyler, personal communication, 6/3/63.
 37-S (off Duwamish Head to Alki Point): U.W. Ocean., 1964-67.
 31-E (Port Gardner Bay):
 U.W. Ocean., P.G., 1962-67.
 215-PO (south of Fletcher Bay):
 U.W. Ocean., P.O., 1964-65.
 38-S (Golden Gardens to Meadow Point):
 U.W. Ocean., Hoh, 1963-68.
 50+-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
 50+-SS (Case Inlet, off Taylor Bay to off Whiteman Cove):
 U.W. Ocean., Hoh, 1963-67.
 7-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
 50+-CS (Port Madison):
 U.W. Ocean., Hoh, 1963-68.
 10-E (Port Susan):
 U.W. Ocean., Hoh, 1963-67.
 3-E (Penn Cove):
 U.W. Ocean., Hoh, 1963-67.
 5-E (Port Gardner Bay):
 U.W. Ocean., Hoh, 1963-67.
 2-E (off Rocky Point to off Utsalady Point):
 U.W. Ocean., Hoh, 1963-67.
 1-E (Saratoga Pass, off Rocky Point):
 U.W. Ocean., Hoh, 1963-67.
 1-E (Holmes Harbor):
 U.W. Ocean., Hoh, 1963-67.
 1-SS (mouth of Carr Inlet): U.W. Ocean., herring trawl, 1968-69.
 1-E (Holmes Harbor):
 U.W. Ocean., Hoh, S.J., 1966.
 3-PO (south of Fletcher Bay):
 NMFS, Cobb, 1968.
 9-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
 7-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
 1-S (Duwamish Head to Alki Point):
 NIH, 1968-71.
- 1-PO (Clam Bay): NIH, 1968-71.
 3-CS (Port Madison):
 Van Cleve, trap, 1961-65.
 1-SS (Eld Inlet entrance):
 Van Cleve, trap, 1961-65.
 4-E (Holmes Harbor):
 Van Cleve, trap, 1961-65.
 1-E (Penn Cove):
 Van Cleve, trap, 1961-65.
 2-JF (beach seine: Dungeness embayment): Peninsula College, 1971.
 1-JF (beach seine: Port Angeles embayment):
 Peninsula College, 1971.
 1-JF (Sequim Bay):
 Battelle, 1967-69.
 2-CS (3-Tree Point):
 Bruce Miller, Diving Log, 1964.
 1-S (Edmonds ferry dock):
 Bruce Miller, Diving Log, 1964.
 4-CP (beach seine: Gig Harbor spit):
 Sea Grant, 72003 (also boat 7208).
 2-S (Duwamish River estuary):
 Sea Grant, 72010.
 1-SS (beach seine: Nisqually Head):
 Sea Grant, 72021.
 2-S (Duwamish River estuary, 1st Ave. S. to 16th Ave. S. bridge):
 Sea Grant, 72024.
 2-CP (off Gig Harbor spit):
 Sea Grant, 72025.
 5-S (beach seine: north side of West Point): Sea Grant, 1973.
 1-S (off northwest side of West Point): Sea Grant, 1973.
 2-S (off southwest side of West Point): Sea Grant, 1973.
 5-S (north of Meadow Point to Carkeek Park): Sea Grant, 1973.
 2-S (Duwamish River estuary, 1st Ave. S. to 16th Ave. S. bridge):
 Sea Grant, 1973.
 2-S (Duwamish River estuary, downstream from 1st Ave. S. bridge):
 Sea Grant, 1973.
 4-SS (McLane Cove toward Stretch Island): Sea Grant, 1973.
 1-SS (west side of Dougall Point):
 Sea Grant, 1973.
 6-HC (Seabeck dock):
 WSDF, Sport Fish., 1965-70.
 9-SS (mid-channel, McLane Cove to Stretch Island):
 Sea Grant, 1973-74.
 2-HC (off Union): Sea Grant, 1973.
 2-HC (off Skokomish River delta):
 Sea Grant, 1973.
 4-HC (Bangor Annex): Kramer, Chin and Mayo, NCEL Survey, 1973.
 5-SS (Cormorant Pass):
 Sea Grant, 73059 and 73060.
 1-SS (Tatsolo Point):
 Sea Grant, 73059.
 2-SS (off Nisqually River-McAllister Creek delta): Sea Grant, 1973.

Rhacochilus vacca

Embiotocidae

Miscellaneous Logs

1-SS (McLane Cove bridge):
L. Moulton, personal
communicator, 9/11/73.



Sphyraena argentea

Sphyraenidae

Published Records

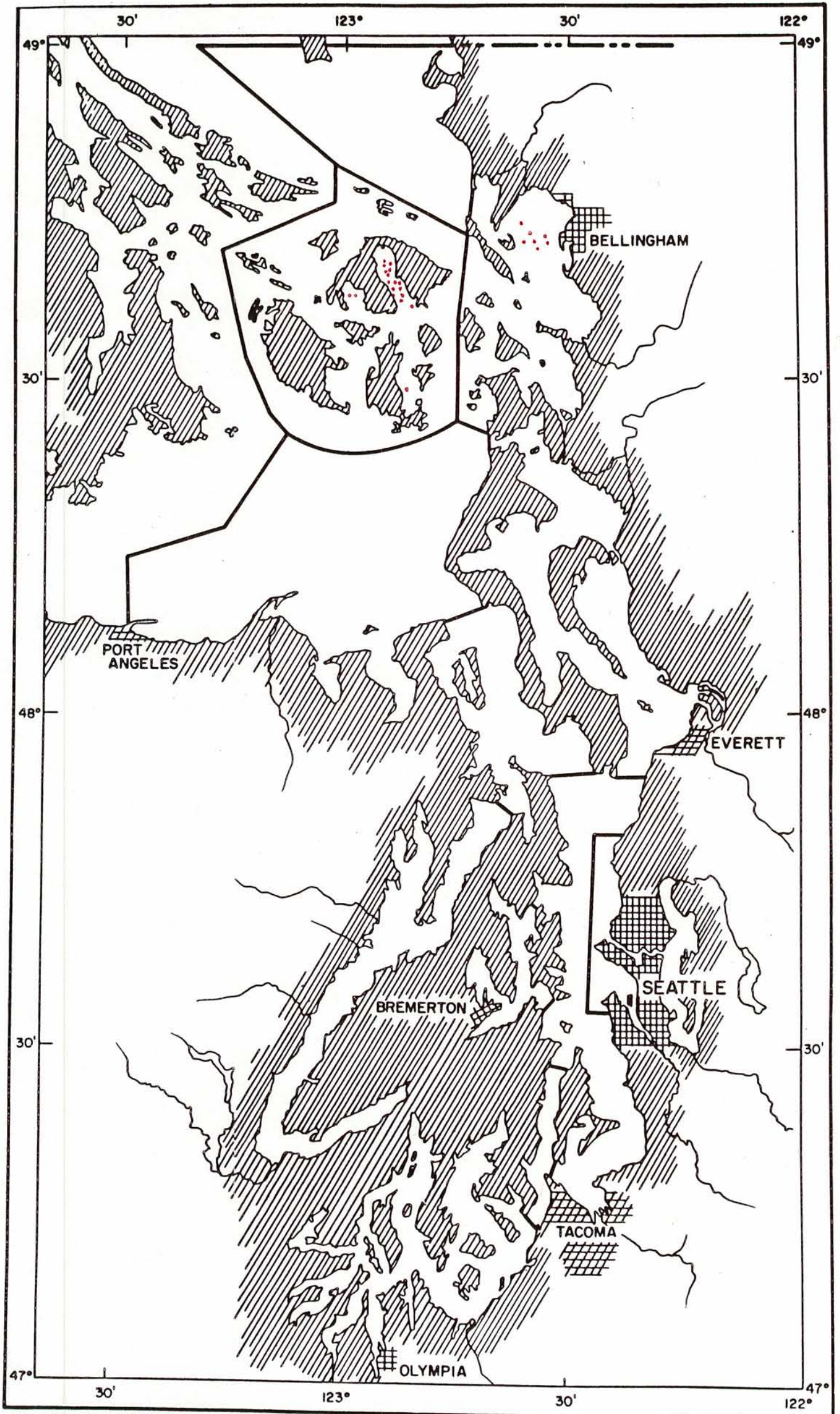
- 1-CP (Gig Harbor):
Steindachner, 1879.
1-S (Seattle): Starks, 1896b.
1-PS: Kincaid, 1919.

University of Washington
Museum Collection

- 1-CS (Port Madison): 4061.
1-JF (West Beach, off Whidbey
Island): 14505.

Miscellaneous Logs

- 1-SJ (San Juan channel):
Ed Best, purse seine, 1958.



Trichodon trichodon

Trichodontidae

University of Washington
Museum Collection

- 1-PS: 11482.
 1-SJ (East Sound): 17133.
 1-SJ (East Sound, off Rosario):
 18221 (also Friday Harbor Log,
 9/10/63).
 1-SJ (East Sound, south of Rosario
 Point):
 18698 (also NIH, 1964-66).
 1-B (Bellingham Bay): 19076.
 1-SJ (East Sound, south of Rosario
 Point):
 19454 (also NIH, 1964-66).
 1-SJ (Lopez Sound): 19458.
 3-SJ (East Sound, south of Rosario
 Point): 19555 (also NIH,
 1964-66); 19560; 19684 (also NIH,
 1964-66) and 19685.

Friday Harbor Laboratory Log

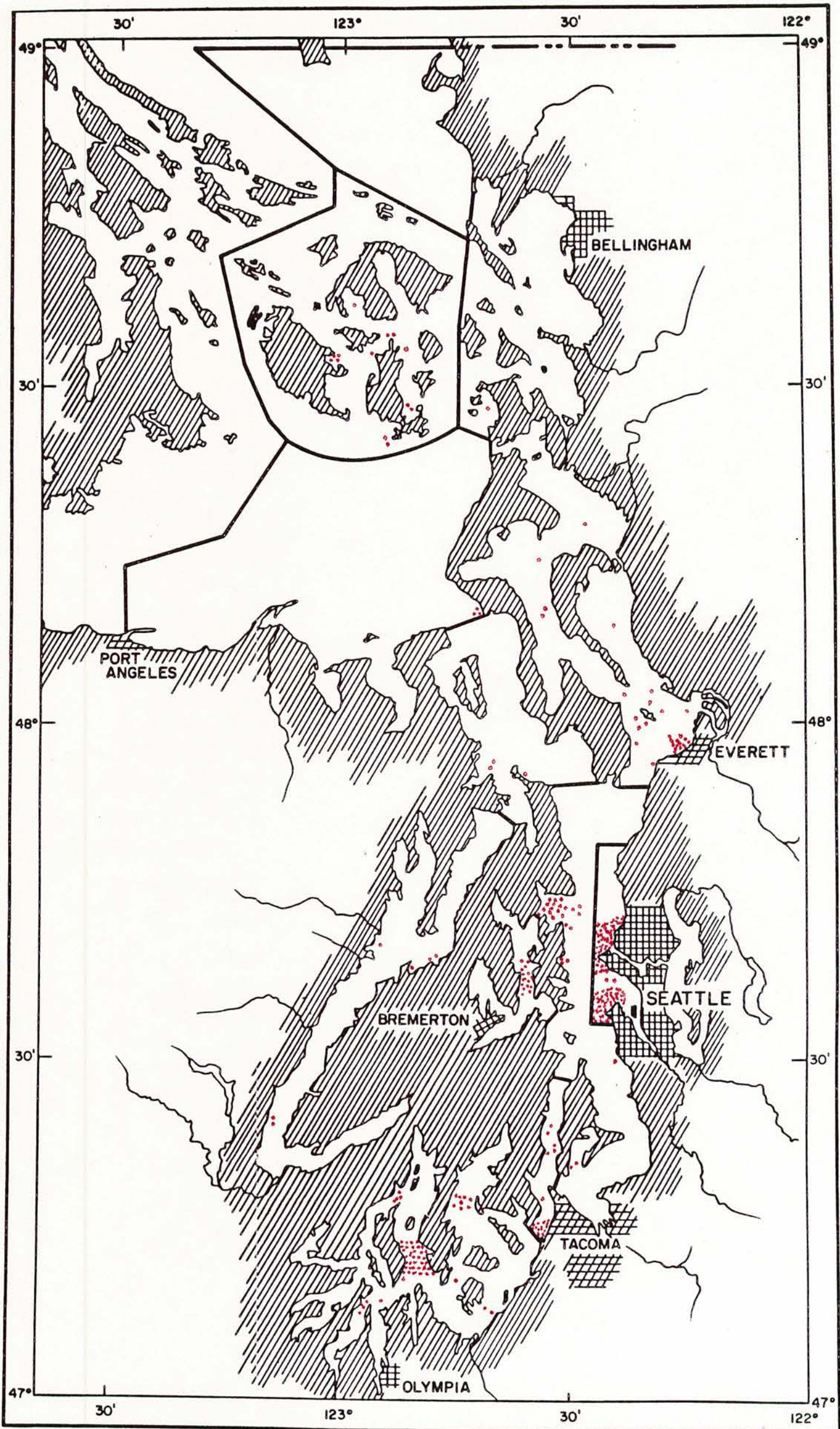
- 2-SJ (West Sound):
 7/25/55; 7/26/60-2.
 1-SJ (lower East Sound): 8/11/55-3.
 1-SJ (East Sound): 8/13/60-1.
 1-SJ: Summer, 1963.
 1-SJ (East Sound, east shore of
 entrance): 8/28/63.

University of Washington Boat Log

- 4-SJ (training cruise area: East
 Sound, north of Rosario Point):
 6620H; 6630H; 6722H; 6914H.
 1-B (training cruise area:
 southwest of Post Point): 6722G.
 1-B (Bellingham Bay): 6822G.

Miscellaneous Logs

- 3-B (Bellingham Bay):
 Bill High, personal
 communication, 12/9/63.
 1-B (Bellingham Bay):
 Bill High, personal
 communication, 12/30/66.
 5-SJ (East Sound, south of Rosario
 Point): NIH, 1964-66.



Ronquilus jordani

Bathymasteridae

Published Records

- 1-S (Seattle): Gilbert, 1889.
 1-S (Elliott Bay):
 Jordan and Starks, 1896.
 2-AI (Hood Canal entrance; north of
 Tala Point):
 Evermann and Goldsborough, 1907.
 3-JF (off Admiralty Head light):
 Evermann and Goldsborough, 1907.
 1-SJ: Starks, 1911.
 3-E (Gedney Island): Smith, 1937.
 3-E (Columbia Beach; Camano;
 Mukilteo): Smith, 1937.
 2-HC (Hoodsport): Smith, 1937.
 1-SS (Anderson Island):
 Smith, 1937.
 1-SJ: Shelford, et. al., 1935.
 27-S (Duwamish Head): Salo, 1969.
 1-E (Skagit Bay): Salo, 1969.

University of Washington
Museum Collection

- 1-CS (south of Seattle): 976.
 2-SJ (Friday Harbor): 1503; 2296.
 1-SJ (Flat Point): 1765.
 1-SJ (West Sound): 2199.
 1-PS (Hood Canal to Port Susan):
 2332.
 1-E (east of Gedney Island): 2565.
 1-E (off Snohomish River): 2631.
 1-E (Saratoga Pass., Sandy Point):
 2663.
 1-HC (Brinnon): 4805.
 1-AI (Skunk Bay): 4813.
 1-SS (off Budd Inlet):
 5662 (also boat 7/20/49-4).
 4-S (off Golden Gardens): 5687
 (also boat 491A); 5741 (also
 boat 497E); 5852 (also boat
 493B); 6069 (also boat 5029C).
 1-CP (lower Colvos Pass): 7463.
 1-SJ (Upright Channel): 10317.
 1-SJ (west of Ram Island):
 5747 (also boat 491P).
 1-E (off Mission Bar):
 5871 (also boat 5023E).
 1-S (off Carkeek Park):
 5979 (also boat 5020A).
 1-CS (off Port Madison):
 7468 (also boat 497B).
 1-CS (Port Madison):
 7488 (also boat 1/22/49-4).
 1-SS (Drayton Pass): 11382.
 1-S (Elliott Bay): 11486.
 1-SS (Carr Inlet): 5326.

Friday Harbor Laboratory Log

- 1-SJ (north of Hunter Bay):
 6/19/50-5 (also boat 5033G).
 2-SJ (Friday Harbor Lab night
 light): 7/50; 1969.
 2-SJ (off Iceberg Point):
 7/22/52-1; 8/4/55-1 (also boat
 5520C).
 1-SJ (Upright Head): 8/2/52.

University of Washington Boat Log

- 1-SJ ("West Blakely" shoal, east of
 Humphrey Head): 5033N.
 1-B (Burrows Bay): 5033S.
 1-E (Saratoga Pass, Onamac Point to
 Indian Beach): 5418K.
 2-CS (mouth of Quartermaster
 Harbor): 5042A; 5115H.
 2-CS (off Port Madison): 5043B,C.
 3-CS (Port Madison):
 5122A; 5132D; 5924A.
 1-CS (off Agate Pass): 5616I.
 2-CS (east of Point Monroe):
 5805C; 5813C.
 2-PO (off Fletcher Bay):
 5915B; 6016B4.
 32-S (off Golden Gardens to Meadow
 Point): 494C,E; 498A,B; 5017C;
 5028A,C; 5029B; 5033A; 5034D;
 5110B; 5112B; 5119C,G; 5129C,D;
 5131C; 5132A; 5203D; 5314C;
 5329C; 5408B; 5512G; 5707J,K;
 5907D; 5920B; 6018A; 6112B;
 6114A; 6206B; 6311A.
 2-S (off Golden Gardens):
 494C; 5039D.
 1-S (off Alki Point to Duwamish
 Head): 5027A.
 1-S (south of West Point to off
 4-Mile Rock): 5027D.
 5-S (off Meadow Point to Carkeek
 Park): 5039C; 5041B; 5110A;
 5212C; 5216A.
 3-CS (Murden Cove): 6906H,I; 6818B.
 2-CP (off Point Sandford):
 7/18/49; 5126N.
 3-CP (off Camp Sealath):
 5009F; 5104CC,DD.

Miscellaneous Logs

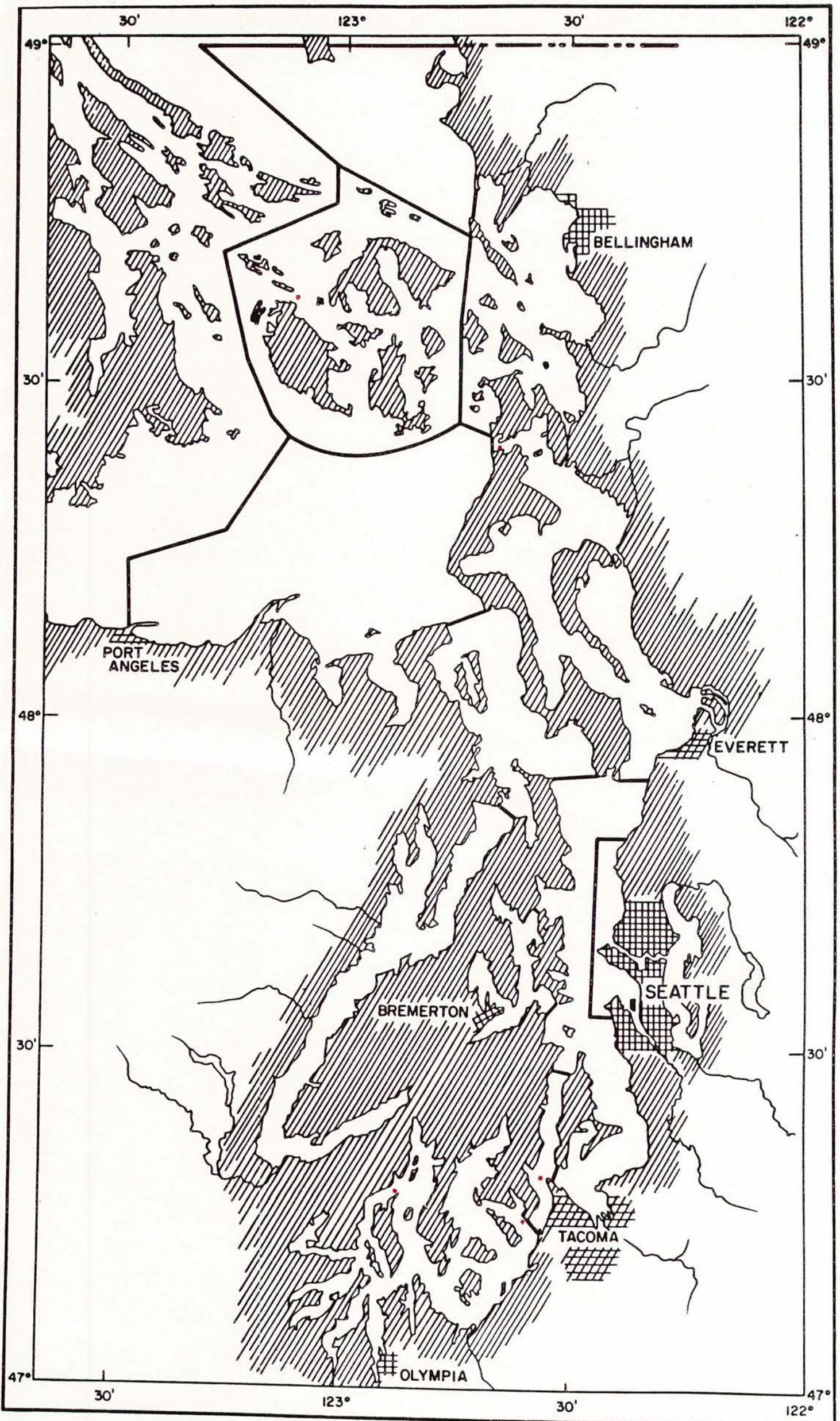
- 10+-CP (Titlows Beach, Day Island):
 Bill High, personal
 communication, 10/22/63.
 43-S (off Duwamish Head to Alki
 Point): U.W. Ocean., 1964-67.
 3-S (Magnolia Bluff):
 U.W. Ocean., 1964-67.
 12-S (Meadow Point):
 U.W. Ocean., 1964-67.
 14-E (Port Gardner Bay):
 U.W. Ocean., P.O., 1962-67.
 6-PO (south of Fletcher Bay):
 U.W. Ocean., P.G., 1964-65.
 28-S (Golden Gardens to Meadow
 Point): U.W. Ocean., Hoh,
 1963-68.
 6-PO (south and north of Fletcher
 Bay): U.W. Ocean., Hoh, 1963-67.
 1-HC (Seabeck):
 U.W. Ocean., Hoh, 1963-67.
 43-SS (Case Inlet, off Taylor Bay to
 off Whiteman Cove):
 U.W. Ocean., Hoh, 1963-67.
 7-SS (Carr Inlet, off Horsehead
 Bay): U.W. Ocean., Hoh, 1963-67.

Ronquilus jordani

Bathymasteridae

Miscellaneous Logs

- 10-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
- 2-E (Port Susan; Saratoga Pass,
Rocky Point):
U.W. Ocean., Hoh, 1963-67.
- 3-S (Golden Gardens to Carkeek
Park): NIH, 1968-71.
- 4-SS (Eld Inlet entrance):
Van Cleve, trap, 1961-65.
- 1-HC (off Big Beef Harbor):
Sea Grant, 72026.
- 1-E (east and northeast of Gedney
Island):
NMFS, Streeter, 2/21/73.
- 7-S (off northwest side of West
Point): Sea Grant, 1973.
- 8-S (off southwest side of West
Point): Sea Grant, 1973.
- 7-S (southwest of Alki Point):
Sea Grant, 1973.
- 2-S (deep otter trawl: off southwest
of Alki Point): Sea Grant, 1973.
- 1-HC (off southwest of Big Beef
Harbor): Sea Grant, 1973.
- 4-SS (mid-channel, McLane Cove to
Stretch Island):
Sea Grant, 1973-74.
- 1-SS (south of Tatsolo Point):
Sea Grant, 73059.



Anoplarchus insignis

Stichaeidae

Published Records

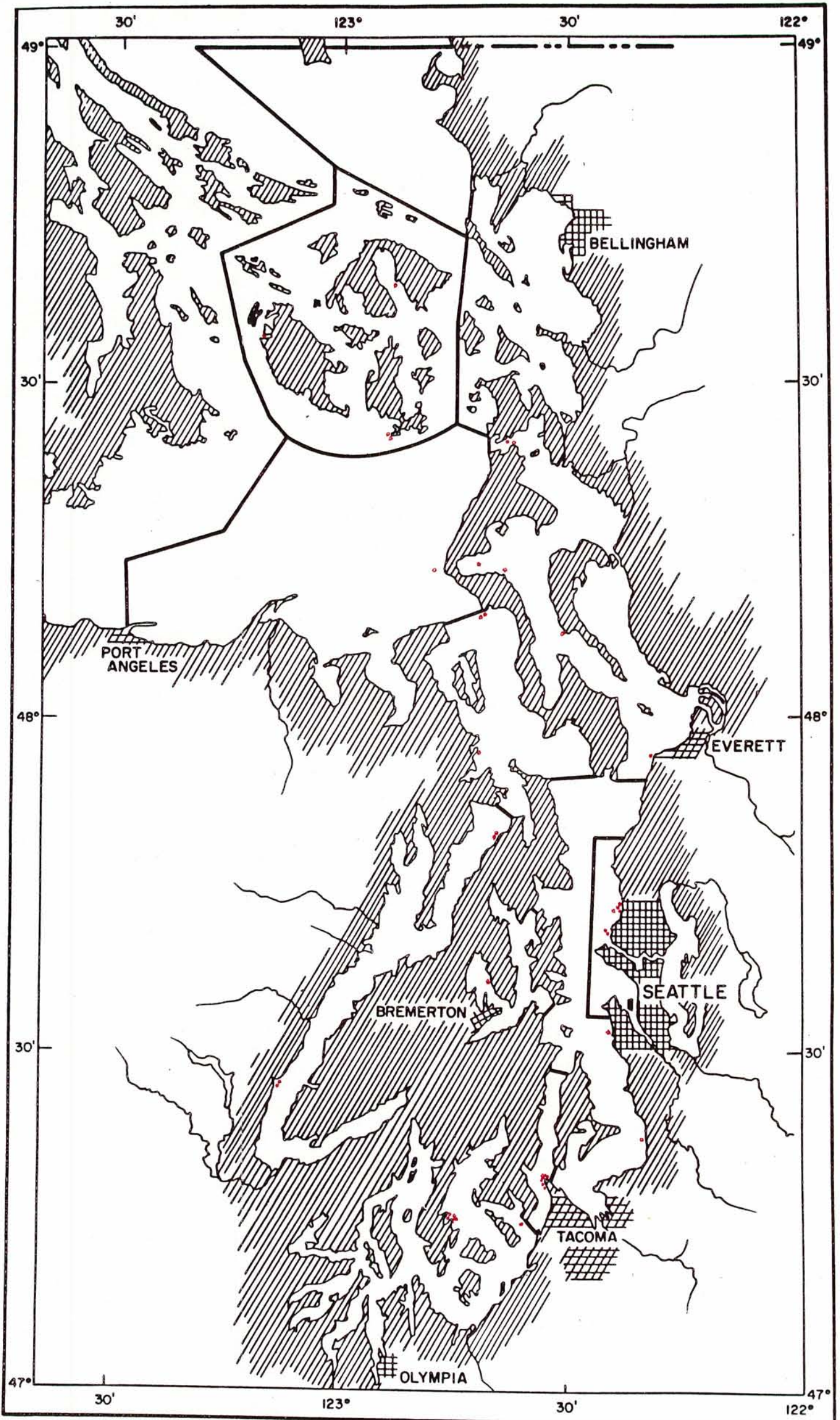
- 1-CP (Point Defiance):
Johnson, 1970.
1-SS (Point Fosdick):
Johnson, 1970.
1-E (Deception Pass):
Johnson, 1970.
1-SJ (San Juan Island):
Peden, 1966.

Friday Harbor Laboratory Log

- 1-SJ (Spieden Channel to Massacre
Bay): 7/14/67.

Miscellaneous Logs

- 1-SS (west side of Dougall Point):
Sea Grant, 1973.



Anoplarchus purpurescens

Stichaeidae

Published Records

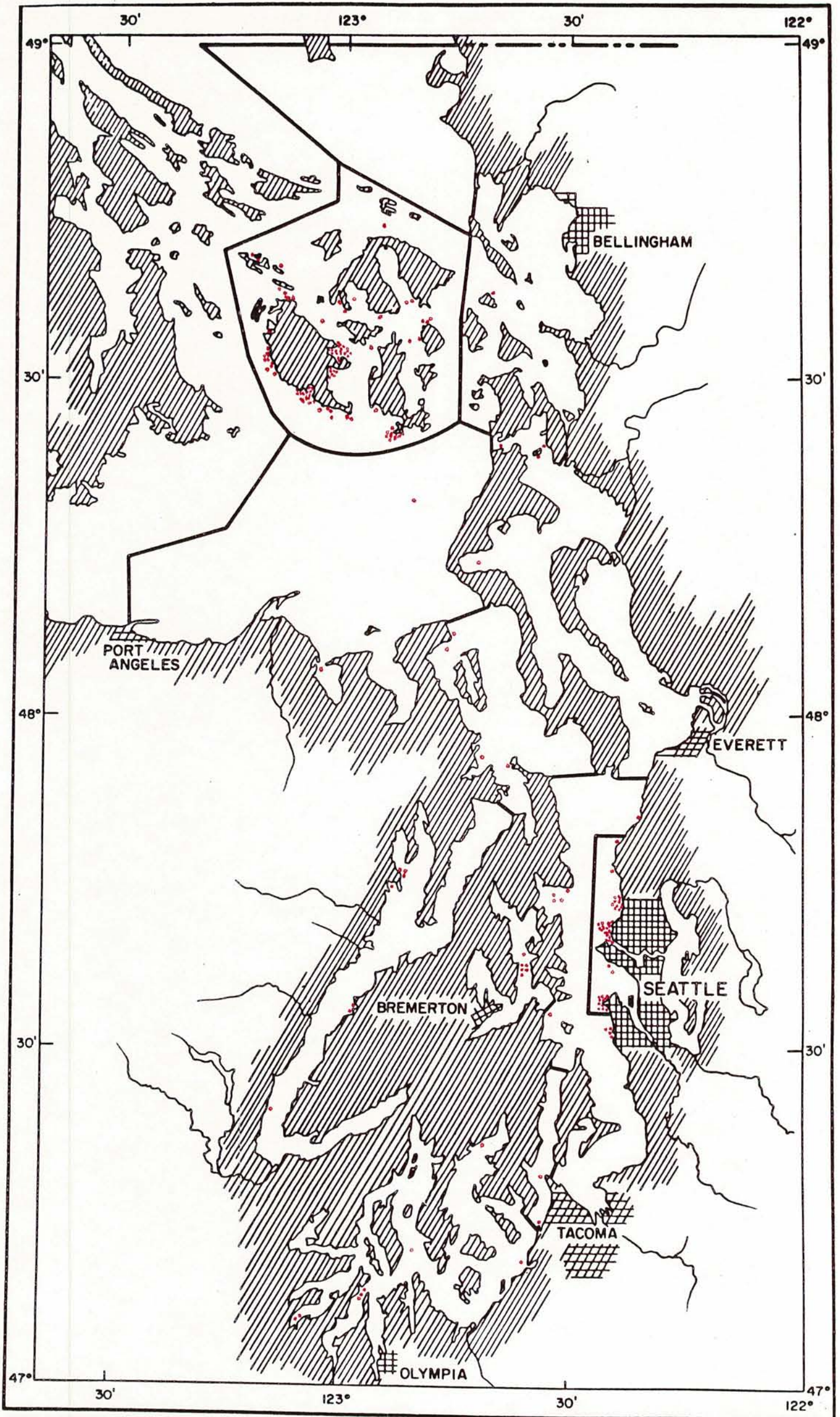
- 1-SJ (Rosario Beach):
Johnson, 1970.
- 3-E (Bowman Bay; Snatelum Point;
Camano Island State Park):
Johnson, 1970.
- 2-E (Hoypus Point): Johnson, 1970.
- 2-E (Penn Cove): Johnson, 1970.
- 2-AI (Admiralty Head):
Johnson, 1970.
- 1-JF (Point Partridge):
Johnson, 1970.
- 4-S (Carkeek Beach): Johnson, 1970.
- 2-S (Golden Gardens): Johnson, 1970.
- 2-CS (Lincoln Park; Saltwater State
Park): Johnson, 1970.
- 5-CP (Point Defiance):
Johnson, 1970.
- 1-SS (Point Fosdick):
Johnson, 1970.
- 5-SS (Penrose Point State Park):
Johnson, 1970.
- 2-HC (Kitsap Memorial State Park):
Johnson, 1970.
- 2-HC (Lilliwaup): Johnson, 1970.

Friday Harbor Laboratory Log

- 2-SJ (Iceberg Point tide pools):
6/29/73-1,2.
- 1-SJ (Mitchell Bay): 6/30/73.

Miscellaneous Logs

- 5+-SJ: Bruce Miller, personal
communication, 2/29/72.
- 1-AI (Snake Rock, Port Ludlow):
Allyn Johnson, personal
communication, 5/14/74.
- 1-PO (beach seine: Dyes Inlet,
Tracyton launch ramp):
Sea Grant, 72018.
- 1-E (NMFS field station at
Mukilteo): Allyn Johnson,
captured on beach, 4/6/73.



**Anoplarchus* sp.

Stichaeidae

Published Records

- 1-SS (Fort Steilacoom):
Girard, 1859; Suckley, 1860.
- 1-AI (Port Ludlow): Starks, 1896b.
- 1-S (Seattle): Bean and Bean, 1897.
- 1-AI (Port Townsend):
Bean and Bean, 1897.
- 1-S (Seattle):
Shultz and DeLacy, 1932.
- 1-SJ: Starks, 1911.
- 1-SJ (Brown Island, Friday Harbor):
Miles, 1918.
- 1-CS (Meadowdale):
Shultz and DeLacy, 1935-36.
- 1-HC (Holly):
Schultz and DeLacy, 1935-36.
- 1-E (Lone Tree Point): Horn, 1932.
- 1-SJ (east side of San Juan Island,
beach seine): Sribhibhadh, 1959.
- 2-SJ (beach seine: Shaw Island):
Sribhibhadh, 1959.
- 2-CS (beach seine: Lincoln Park
Beach): Sribhibhadh, 1959.
- 1-CP (beach seine: Point Defiance):
Sribhibhadh, 1959.
- 1-SS (beach seine: Oyster Bay):
Sribhibhadh, 1959.
- 1-AI (beach seine: Twin Spits):
Sribhibhadh, 1959.
- 2-HC (beach seine: Point Whitney):
Sribhibhadh, 1959.
- 1-HC (beach seine: Hoodspoint):
Sribhibhadh, 1959.
- 4-SJ (Friday Harbor): Batts, 1961.
- 1-CS (beach seine: south side of
Point Jefferson): Kendall, 1966.
- 1-HC (Anderson Cove): Chew, 1970.
- 1-S (beach seine: Ballard Locks):
4401.
- 1-S (Ballard): 4643.
- 6-S (North Beach): 4468; 4687;
4830; 4840; 5058; 16478.
- 1-S (Edmonds Beach): 4561.
- 1-HC (Seal Rock): 7493.
- 1-E (Hope Island): 7568.
- 1-B (Sinclair Island): 11389.
- 1-PS: 12698.
- 1-CP (Day Island Beach): 14024.
- 1-HC (Point Whitney): 16575.
- 1-S (Richmond Beach):
5895 (also boat 2/13/50).
- 1-CS (reef north of Manchester
Rocks): 641.
- 1-SJ (Deer Harbor): 1229.
- 4-SJ (False Bay):
1279; 1487; 6183; 16474.
- 1-SJ (East Sound entrance): 1289.
- 1-SJ (between Lopez Island and
Blakely Island): 1309.
- 1-SJ (near Orcas Island): 1317.
- 1-SJ (west shore of Blakely Island):
2120.
- 2-SJ (Brown Island): 2139; 16446.
- 1-SJ (Rocky Bay): 2149.
- 1-SJ (Davis Bay): 2168.
- 1-SJ (Rocky Point, San Juan Island):
2213.
- 1-SJ (Harney Channel): 2262.
- 1-SS (Oyster Bay): 4807.
- 5-S (Alki Point):
4833; 5128; 6217; 14371; 16481.
- 1-S (Shilshole Bay): 4866.
- 1-SS (Carr Inlet, Allens Point):
5323.
- 1-SJ (beach seine: Friday Harbor):
6159.
- 1-SJ (beach seine: between False Bay
and Kanaka Bay): 10442.
- 1-SJ (Prevost Harbor): 10444 (also
Friday Harbor Log, 8/19/52).
- 1-SJ (reef north of Lime Kiln
light): 10766.
- 1-CS (Lincoln Park):
11358 and 11359.
- 1-SJ (Shaw Island, Parks Bay):
11391.
- 1-SJ (San Juan Channel, 90-m
dredge): 13996.
- 2-S (south of Alki Point):
14013; 14014.
- 1-S (near Seattle): 14017.
- 1-SJ (point east of Eagle Cove):
17418 (also Friday Harbor Log,
8/5/63).
- 1-SJ (Limestone Point):
17436, 17978, and 18038 (all the
same collection).

University of Washington
Museum Collection

- 1-S (Government Locks): 90.
- 1-S (Golden Gardens): 100.
- 1-S (Pipers Canyon): 145.
- 1-E (Deception Pass): 174.
- 1-S (West Seattle): 182.
- 1-S (Seattle): 709.
- 5-SJ (Friday Harbor):
998; 1045; 2191; 6220; 14015.
- 1-SJ (Cattle Point): 1005.
- 1-SJ (Lime Kiln): 1031.
- 1-SJ (2 miles south of Lime Kiln):
1068.
- 4-SJ (Kanaka Bay):
1085; 1149; 1258; 10440.
- 3-SJ (Peavine Passage):
1093; 1203; 1332.
- 1-SJ (near Olga): 1138.
- 1-SJ (Parker Reef, north of Orcas
Island): 1165.
- 1-CS (Lincoln Park Beach): 3573.

*These are records from before the division into two species. Almost all, however, are likely to be *A. purpurescens*.

Anoplarchus sp. -

Stichaeidae

Published Records

- 2-SJ (Deadman Bay): 17963 (Friday Harbor Log, 8/2/63); 18223 (also Friday Harbor Log, 6/22/63).
 1-SJ: 17966.
 1-SJ (Iceberg Point): 17998 (also Friday Harbor Log, 7/18/63-2).
 1-SJ (Hannah Heights): 18005.

Friday Harbor Laboratory Log

- 1-SJ (Squaw Bay): 7/10/61-1.
 1-SJ: 5/62.
 1-SJ (American Camp): 7/6/52.
 1-SJ (south of Smallpox Bay): 7/8/52.
 1-SJ (Smallpox Bay): 7/13/61.
 5-SJ (False Bay): 8/4/52-1; 7/10/60; 7/24/60; 8/5/60; 6/29/61.
 4-SJ (Iceberg Point tide pool): 8/4/55-2; 8/22/60-1; 6/28/61-2; 7/19/63-2.
 1-SJ (south of Satellite Island): 8/15/55-1.
 5-SJ (Argyle Bay): 8/16/55-1; 8/11/60-4; 6/22/61; 6/23/61; 6/19/69.
 1-SJ (outside False Bay): 8/17/55-1.
 2-SJ (False Bay): 7/26/61; 8/8/61.
 1-SJ (Johns Island): 7/10/50-1.
 1-SJ (north of Neck Point): 8/14/50-2.
 1-SJ (Pole Pass.): 7/30/60.
 5-SJ (Friday Harbor Lab): 8/18/55; 6/23-30/60; 7/7/60; 8/4/60-1; 6/21/67-2.
 4-SJ (Argyle Lagoon): 7/2/60; 7/31/60; 7/10/69-2,3.
 2-SJ (Minnesota Reef): 7/11/60-2; 8/4/60-2.
 2-SJ (Friday Harbor): 8/6/60-1; 6/27/61; 7/25/61.
 1-JF (Smith Island): 8/6/60-2.
 1-SJ (Mitchell Bay): 8/16/60-1.
 1-SJ (Kanaka Bay): 8/21/60.
 1-SJ (West Sound): 8/24/60.
 1-SJ (Cattle Point): 8/6/61.
 1-SJ (Squaw Bay cr West Sound): 6/30/67.
 1-SJ (Eagle Point): 7/5/67.
 1-SJ (Hannah Heights): 7/6/67.
 4-SJ (Iceberg Point): 7/7/67; 6/30/69-1,2,3.
 1-SJ (Deadman Bay): 7/11/67-1.
 1-SJ (Squaw-Ogden): 6/27/69.
 1-SJ (Spieden Channel): 7/15/69-2.
 1-SJ (Reed Harbor): 7/15/69-3.

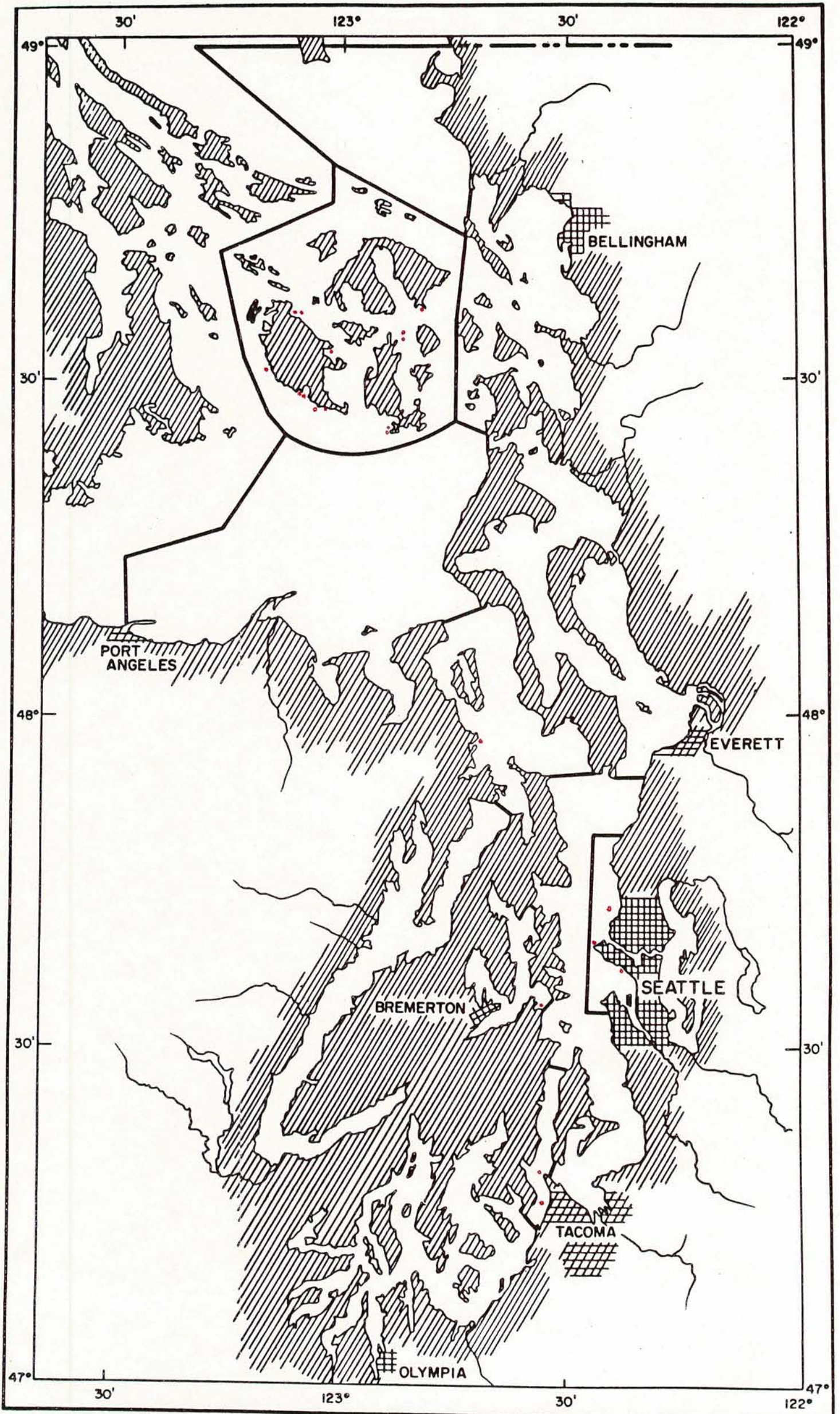
University of Washington Boat Log

- 1-SS (beach seine: 1 mile north of Minter Creek): 5126E.
 2-S (beach seine: Golden Gardens to Meadow Point): 5129B; 5612A.

- 1-S (off Golden Gardens to Meadow Point): 5709A.

Miscellaneous Logs

- 9-S (Golden Gardens to Meadow Point):
 U.W. Ocean., Hoh, 1963-68.
 5-PO (south of Fletcher Bay):
 U.W. Ocean., P.O., 1964-65.
 1-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
 1-SS (Case Inlet, off Taylor Bay to off Whiteman Cove):
 U.W. Ocean., Hoh, 1963-67.
 1-CS (Port Madison):
 U.W. Ocean., Hoh, 1963-68.
 1-E (Penn Cove):
 U.W. Ocean., Hoh, 1963-67.
 1-AI (Port Townsend Bay):
 U.W. Ocean., Hoh, S.J., 1966.
 2-CS (Port Madison):
 Van Cleve, trap, 1961-65.
 3-SS (entrance to Eld Inlet):
 Van Cleve, trap, 1961-65.
 1-JF (Sequim Bay):
 Battelle, 1969-71.



Chirolophis mugator

Stichaeidae

Published Records

- 1-PO (Orchard Point):
 Jordan and Starks, 1896.
 1-PS: Kincaid, 1919.
 1-S (Seattle):
 Jordan and Starks, 1896.

University of Washington
Museum Collection

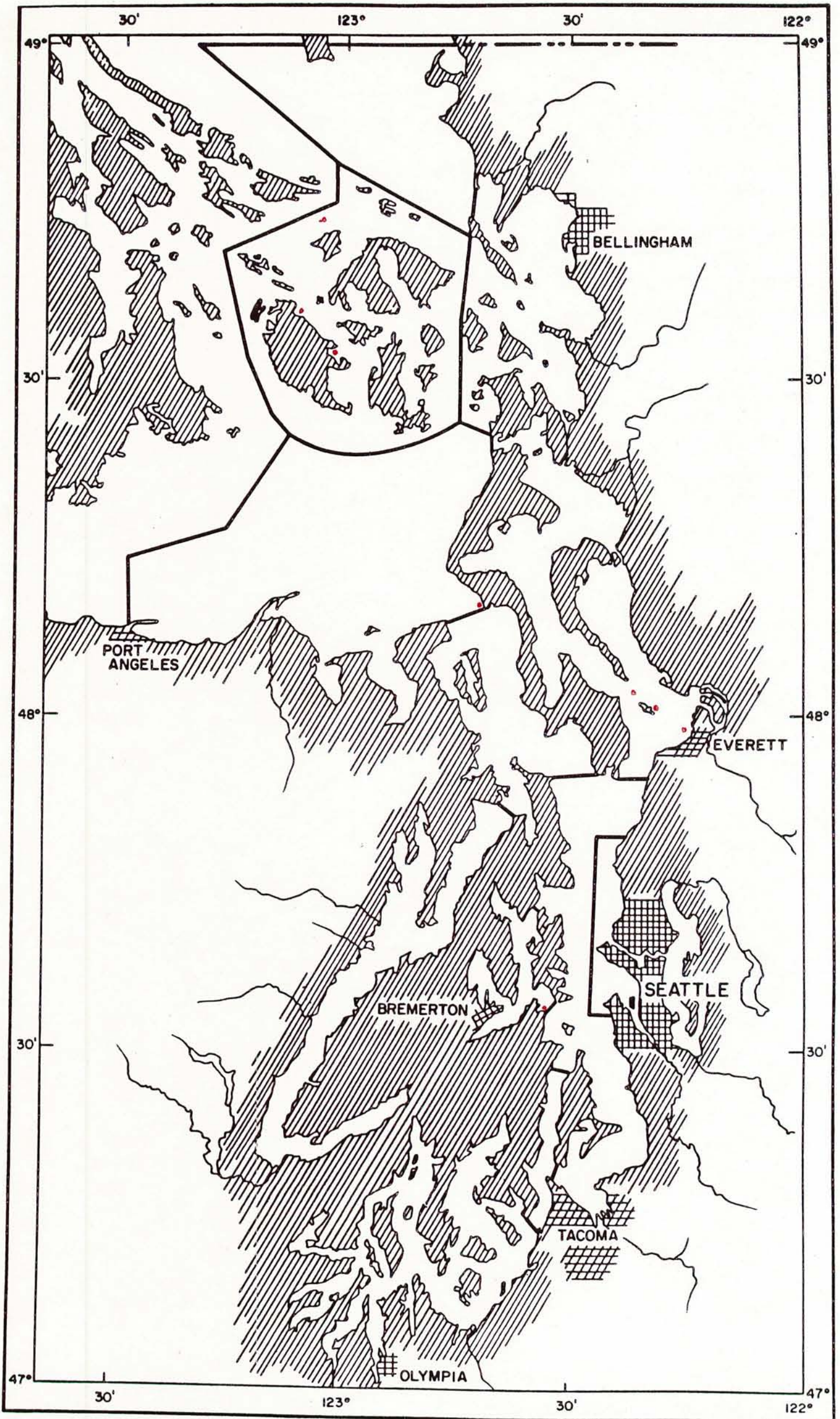
- 1-SJ (Kanaka Bay): 1070.
 1-SJ (False Bay Reef): 1485.
 1-SJ (Rocky Bay): 2150.
 1-SJ (Rocky Point, San Juan Island):
 2214.
 1-SJ (west of Blakely Sound): 7582.
 1-CP (Point Defiance): 14018.
 1-AI (Mats Point, Port Ludlow):
 16453.
 1-S (West Point): 19503.

Friday Harbor Laboratory Log

- 1-SJ (Friday Harbor Lab): 7/20/60.
 1-SJ (Iceberg Point): 6/28/61-2.
 1-SJ (Deadman Bay): 6/22/63.
 1-SJ (point east of Eagle Cove):
 8/5/63.
 1-SJ (Eagle Point): 7/5/67.
 1-SJ (Iceberg Point): 6/30/69-4.
 1-SJ (Obstruction Pass, 10-fathom
 dredge): 8/20/69-2.

University of Washington Boat Log

- 1-S (off Carkeek Park): 5110A.
 1-SJ ("West Blakely" Shoal, east of
 Humphrey Head): 5033N.
 1-CP (north of the Narrows Bridge):
 5115G.



Chirolophis polyactocephalus

Stichaeide

Published Records

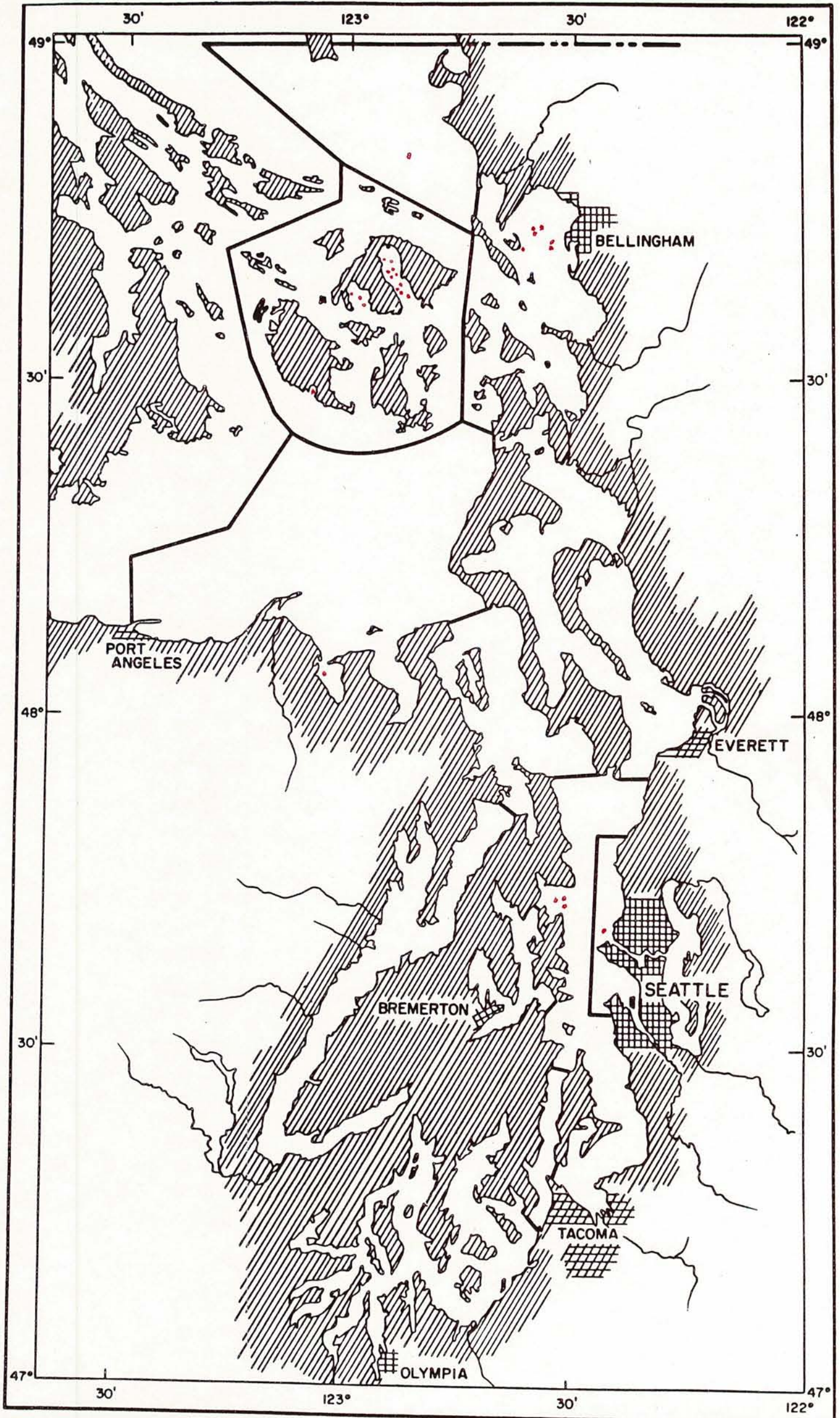
- 1-JF (off Admiralty Head):
Evermann and Goldsborough, 1907.
1-PO (Orchard Point):
Jordan and Starks, 1896.
1-PS: Kincaid, 1919.
1-SJ: Shelford et al., 1935.

University of Washington
Museum Collection

- 1-SJ (Friday Harbor): 1426.
1-E (east of Gedney Island): 2574.
1-E (off Everett): 2901.
1-E (Saratoga Pass-Port Susan):
2929.
1-E (Port Susan): 2937.
1-SJ (Rocky Bay): 3556.

Friday Harbor Laboratory Log

- 1-SJ (north of Skipjack Island,
dredge 45-85 fathoms): 8/6/69.



Lumpenus maculatus

Stichaeidae

Published Records

- 1-GS (Georgia Strait): Smith, 1936.
 2-B (Bellingham Bay, near Point
 Frances):
 Smith, 1936 (one is museum 3970).
 1-JF (Sequim Bay): Smith, 1936.

University of Washington
Museum Collection

- 1-SJ (West Sound): 2236.
 3-SJ (East Sound): 2286; 18689
 (also NIH, 1964-65); 19640.
 1-B (Bellingham Bay): 4317.
 1-CS (off Port Madison):
 8389 (also boat 5043C).

Friday Harbor Laboratory Log

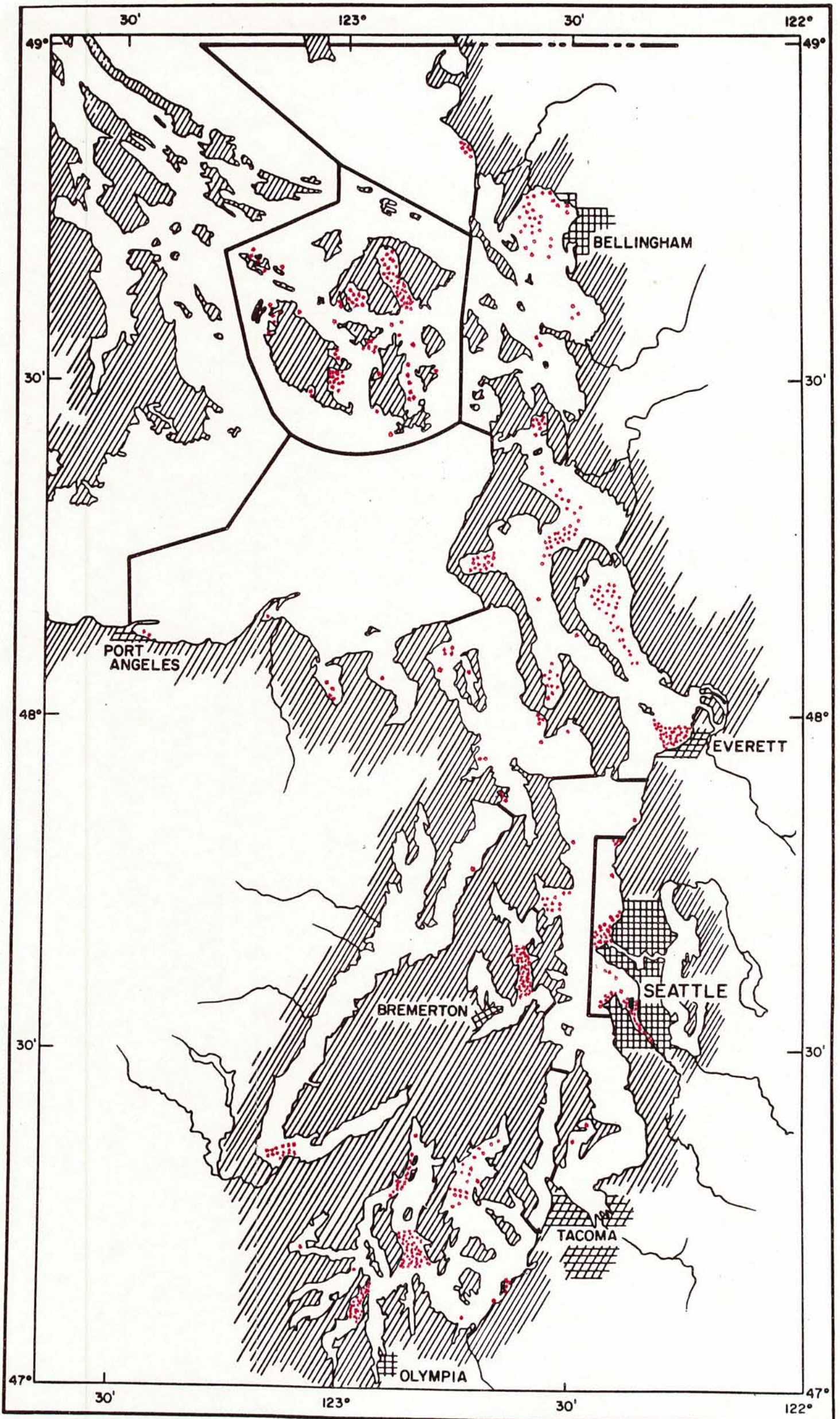
- 1-SJ (Lopez Sound and East Sound):
 7/1/52.
 2-SJ (East Sound):
 8/11/52; 6/20/61.
 2-SJ (West Sound):
 7/26/60-2; 6/27/63.
 1-SJ (False Bay): 6/29/61.
 1-SJ (Reid Harbor, Stuart Island):
 7/9/52-2 (also boat 5220H).
 1-SJ (West Sound and Lopez Sound):
 6/27/60.

University of Washington Boat Log

- 1-SJ (north end of East Sound):
 491M.
 3-SJ (training cruise area: East
 Sound, north of Rosario Point):
 6614H; 6620H; 7010H.
 1-B (Bellingham Bay): 6822G.
 1-B (training cruise area: southwest
 of Post Point): 7307G.

Miscellaneous Logs

- 1-S (off Golden Gardens):
 NMFS, Cobb-75.
 1-SJ (East Sound, south of Rosario
 Point): NIH, 1964-66.
 2-B (north part Bellingham Bay, off
 Nooksack River estuary):
 Sea Grant, 72035.
 3-CS (Port Madison):
 Van Cleve, trap, 1961-65.



Lumperus sagitta

Stichaeidae

Published Records

- 1-B (Bellingham Bay):
Girard, 1859; Suckley, 1860.
- 1-PS: Jordan and Starks, 1896.
- 1-AI (Port Ludlow): Starks, 1896b.
- 1-JF (beach seine: Port Angeles):
Gilbert, 1895.
- 1-E (off Everett):
Schultz and DeLacy, 1935-36.
- 1-SJ: Shelford et al., 1935.
- 1-S (Seattle):
Evermann and Goldsborough, 1907.
- 3-AI (Kilisut Harbor; north of Kala Point; north of Tala Point):
Evermann and Goldsborough, 1907.
- 1-HC (Skokomish Flats):
Smith, 1937 (also museum 4344).
- 1-JF (Sequim Bay): Smith, 1936.
- 1-E (Kiket Island):
Stober and Salo, 1970b.
- 2-E (Skagit and Similk Bays):
Stober and Salo, 1970b.
- 6-E (Similk Bay):
Stober and Salo, 1970a.
- 11-S (Duwamish River): Salo, 1969.
- 3-S (Duwamish Head): Salo, 1969.
- 7-E (Port Gardner): Salo, 1969.
- 10-E (Skagit Bay): Salo, 1969.
- 16-B (beach seine: Bellingham Bay, north of Eliza Island):
Tyler, 1964.
- 2-CS (beach seine: south side of Point Jefferson): Kendall, 1966.
- 1+-SJ: MacPhee and Clemens, 1962 (also Friday Harbor Lab Log).
- 2-E (Skagit Bay):
Stober and Salo, 1970a.
- University of Washington
Museum Collection
- 1-PS (Whidbey Island): 16.
- 1-GS or -B (Whatcom County): 78.
- 2-PS: 197; 6148.
- 5-SJ (Squaw Bay):
566; 690; 652; 2075; 2176.
- 1-SJ (False Bay): 582.
- 1-SJ (White Beach, East Sound):
590.
- 1-SJ (Davis Bay): 602.
- 1-SJ (Upright Head and Shoal Bay):
677.
- 2-SJ (Flat Point): 682; 2219.
- 2-S (Seattle): 711; 835.
- 2-SJ: 726; 11362.
- 1-SJ (Friday Harbor): 1048.
- 3-AI (Bywater Bay):
4434; 4458; 14639.
- 3-S (Edmonds Beach):
4559; 5507; 5295.
- 1-SS (off Minter Creek):
6111 (also boat 5037H).
- 1-CS (Browns Bay): 6117.
- 6-S (Golden Gardens): 4870; 5657;
5902 (also boat 5032.1C); 5809
(also boat 5036A); 16475; 16740.
- 5-SJ (East Sound):
745; 2287; 17063 (also Friday Harbor Log, 6/20/63); 17137;
18690 (also NIH, 1964-66).
- 2-SJ (Deer Harbor): 811; 1232.
- 2-S (beach seine: Golden Gardens):
8247 (also boat 5007D); 16889
(also boat 6309).
- 1-S (Richmond Beach): 8850.
- 1-AI (off Double Bluff): 10269.
- 1-S (Shilshole Bay): 15450.
- 1-SJ (north part of East Sound):
5764 (also boat 491M).
- 1-SJ (west of Ram Island):
5752 (also boat 491P).
- 1-SJ (Lopez Island to Blakely Island): 1308.
- 1-SJ (O'Neal Island): 1767.
- 1-SJ (Brown Island): 2138.
- 2-SJ (West Sound):
2237; 8253 (also boat 5033L).
- 1-S (Edmonds): 4263.
- 1-S (Carkeek Park Beach): 5975.
- 1-SJ (south of Spencer Spit, Lopez Sound): 6034 (also boat 5033P).
- 1-SJ (beach seine: Fishermans Bay):
6207.
- 1-SJ (north side Johns Island, second bay): 13986 (also Friday Harbor Log, 9/19/52-2).
- 1-SJ (Westcott Bay): 13992.
- 1-SJ? (Graham Island?, Rose Spit):
16451.
- 1-SJ (East Sound):
16476 (also boat 5033M).
- 1-SS (beach seine: mainland opposite Island):
16479 (also boat 7/20/49-2).
- 1-SJ (Lopez Sound): 16684 (also Friday Harbor Log, 7/11/63).
- 1-SJ (mid East Sound): 18691 (also Friday Harbor Log, 6/5/64).
- 1-SJ (East Sound, south of Rosario Point):
19578 (also NIH, 1964-66).
- Friday Harbor Laboratory Log
- 1-SJ (north of Stuart Island):
7/5/51-2.
- 1-SJ (Satellite Island): 7/5/51-3.
- 1-SJ (Garrison Bay): 7/19/51-3.
- 1-SJ (Lopez Sound and East Sound):
7/1/52.
- 1-SJ (Reid Harbor, Stuart Island):
7/9/52-2 (also boat 5220H).
- 13-SJ (Argyle Bay):
7/21/52; 8/16/55-2,3; 8/11/60-2,
3; 8/11/60-4; 6/22/61; 7/8/61;
7/12/61-1,3,4; 8/3/61; 7/10/69-4.
- 8-SJ (East Sound):
8/11/52; 8/13/60-1; 7/6/60-2;
7/26/60-1; 6/20/61; 5/11/62;
6/29/71-1; 7/6/71-1.
- 1-SJ (Roche Harbor): 8/19/52.

Lumpenus sagitta

Stichaeidae

Friday Harbor Laboratory Log

- 1-SJ (East or West Sound): 7/25/55.
 1-SJ (north of Neck Point):
 8/14/50-2.
 3-SJ (Squaw Bay):
 8/1/55; 8/1/60-1; 7/12/61-1.
 1-SJ (off Iceberg Point): 8/4/55-1.
 1-SJ (Trump Island to Decatur Head):
 8/11/55-2.
 3-SJ (lower East Sound):
 8/11/55-3; 8/22/55-6; 6/20/50-2
 (also boat 5033I).
 1-SJ (south of Satellite Island):
 8/15/55-1.
 1-SJ (Prevost Harbor): 7/10/50-4.
 1-SJ (west of Decatur Head):
 7/24/50-1.
 1-SJ (north of Hunter Bay):
 6/19/50-5 (also boat 5033G).
 1-SJ (West Sound and Lopez Sound):
 6/27/60.
 1-SJ (Friday Harbor Lab): 7/19/60.
 1-SJ (Upright Head to Olga):
 8/1/60-2.
 2-SJ (Westcott Bay): 8/16/60-2,3.
 5-SJ (West Sound):
 7/26/60-2; 8/13/60-2; 6/16/61;
 7/27/63-B; 6/20/69-2.
 3-SJ (Argyle Lagoon):
 8/11/60-1; 7/10/69-2,3.
 1-SJ (Mitchell Bay): 8/16/60-1.
 1-SJ (White Beach): 8/16/60-4.
 2-SJ (North Bay): 8/18/60-1,2.
 1-SJ (False Bay): 6/29/61.
 2-SJ (mid East Sound):
 7/11/64; 6/20/69-1.
 1-SJ: 7/14/67.
 1-SJ (Lopez Sound): 7/8/69-2.
 1-SJ (lower East Sound): 6/26/73-1.
 1-SJ (Upright Head to Foster Point):
 6/26/73-2.
 1-SJ (Argyle Lagoon): 7/9/73.

University of Washington Boat Log

- 1-SJ (north end of East Sound):
 491L.
 2-SJ (training cruise area: Lopez
 Sound, southwest of Center
 Island): 6603I; 7017I.
 2-SJ (training cruise area: East
 Sound, north of Rosario Point):
 6717H; 6908H.
 1-B (Bellingham Bay): 6822G.
 1-B (training cruise area: southwest
 of Post Point): 7118G.
 3-E (Holmes Harbor):
 5316E; 5522D; 5604D.
 1-E (Elger Bay): 5418I.
 2-E (beach seine: Good Beach, Penn
 Cove): 5316G,H.
 1-E (Saratoga Pass, Onamac Point):
 5418L.
 1-E (Penn Cove): 5810H.
 1-CS (head of Quartermaster Harbor):
 5042B.

- 1-CS (mid Quartermaster Harbor):
 5042D.
 1-CS (off Indianola): 5043A.
 1-PO (beach seine: 1 mile north
 Illahee Dock): 6205A3.
 7-S (off Golden Gardens to Meadow
 Point): 494B; 5119C; 5132B;
 5329C; 5920F; 6112B; 498B.
 31-S (beach seine: Golden Gardens to
 Meadow Point):
 5040A; 5047C; 5121B; 5127C;
 5129B; 5134A; 5215B,G,H,M; 5328A;
 5415P; 5417A; 5612A; 5710A,B,C,D;
 5807A,B; 5920M,N; 63100,P,Q,R;
 6311B; 6319; 6513A; 6518A,B.
 2-S (Golden Gardens): 6511E,F.
 2-S (beach seine: north side of West
 Point): 7310B2; 7311C.
 5-SS (off Glen Cove to off Raft and
 Cutts Islands):
 5037G; 5126M; 5227B; 5613A,G.
 2-SS (off Wauna): 5037I; 5126L.
 4-SS (off Minter Creek to Elgin):
 5045G,J; 5126F; 5227I.
 1-SS (Oakland Bay, off Shelton):
 5115K.
 1-SS (Totten Inlet, off Windy Point
 to south end of Steamboat
 Island): 5115D.
 1-SS (Case Inlet, off Victor):
 5126G.
 1-SS (Carr Inlet): 5522C.
 2-SS (Eld Inlet, trap, 1 mile
 northeast of Flapjack Point):
 6208A,B.
 1-SS (east of Cutts Island): 5037D.

Miscellaneous Logs

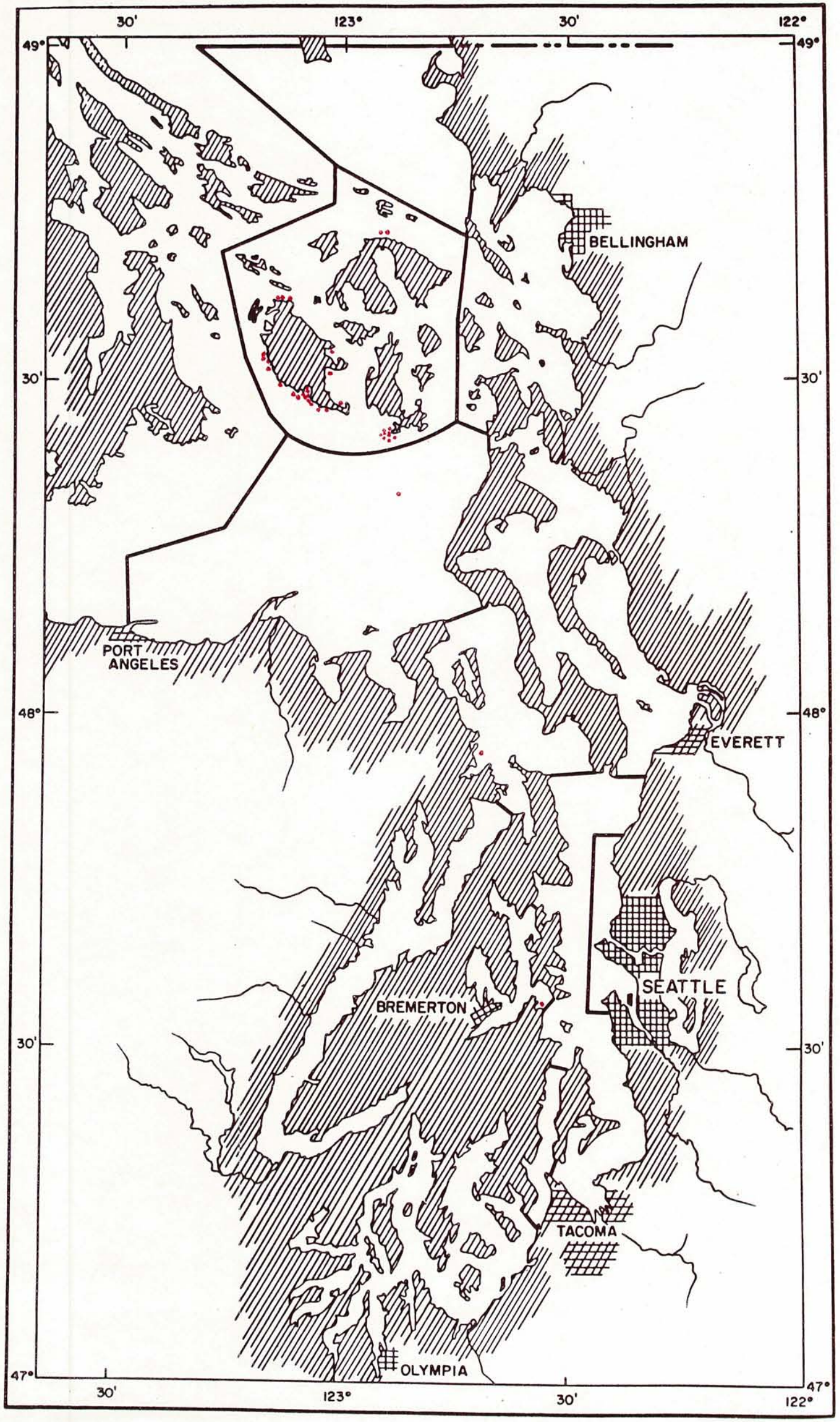
- 1-SJ (East Sound): A.C. DeLacy,
 personal communication, 6/20/69.
 10+-S (beach seine: Duwamish River):
 Metro, 1963-70.
 10+-S (trawl: Duwamish River):
 Metro, 1966-70.
 5-S (Duwamish Head to Alki Point):
 U.W. Ocean., 1964-67.
 10-S (Duwamish River):
 U.W. Ocean., 1964-67.
 50+-E (Port Gardner Bay):
 U.W. Ocean., P.G., 1962-67.
 50+-PO (south of Fletcher Bay):
 U.W. Ocean., P.O., 1964-65.
 12-S (Golden Gardens to Meadow
 Point):
 U.W. Ocean., Hoh, 1963-68.
 14-PO (south and north of Fletcher
 Bay): U.W. Ocean., Hoh, 1963-67.
 47+-SS (Case Inlet, off Taylor Bay
 to off Whiteman Cove):
 U.W. Ocean., Hoh, 1963-67.
 10-SS (Carr Inlet, off Horsehead
 Bay): U.W. Ocean., Hoh, 1963-67.
 6-CS (Port Madison):
 U.W. Ocean., Hoh, 1963-68.

Lumpenus sagitta

Stichaeidae

Miscellaneous Logs

- 28-E (Port Susan):
U.W. Ocean., Hoh, 1963-67.
- 2-E (Saratoga Pass., Rocky Point):
U.W. Ocean., Hoh, 1963-67.
- 6-E (Penn Cove):
U.W. Ocean., Hoh, 1963-67.
- 16-E (off Rocky Point to off Utsalady Point):
U.W. Ocean., Hoh, 1963-67.
- 9-E (Port Gardner Bay):
U.W., Ocean., Hoh, 1963-67.
- 4-E (Holmes Harbor):
U.W. Ocean., Hoh, 1963-67.
- 1-CS (Apple Cove Point):
U.W. Ocean., Hoh, S.J., 1966.
- 4-AI (Port Townsend Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 1-AI (Useless Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 1-JF (Discovery Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 2-B (Padilla Bay, near William Point; Lummi Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 3-B (Samish Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 3-B (Bellingham Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 7-SJ (West Sound):
U.W. Ocean., Hoh, S.J., 1966.
- 10-SJ (East Sound):
U.W. Ocean., Hoh, S.J., 1966.
- 6-E (Penn Cove):
U.W. Ocean., Hoh, S.J., 1966.
- 4-E (Utsalady):
U.W. Ocean., Hoh, S.J., 1966.
- 4-E (Port Susan):
U.W. Ocean., Hoh, S.J., 1966.
- 1-E (Port Gardner Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 18-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
- 2-SJ (East Sound): NIH, 1968-71.
- 1-B (Bellingham Bay, off Nooksack to Marine Drive): NIH, 1968-71.
- 1-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
- 2-CS (Port Madison):
Van Cleve, trap, 1961-65.
- 53-SS (Eld Inlet entrance):
Van Cleve, trap, 1961-65.
- 1-JF (beach seine: Dungeness embayment): Peninsula College, 1971.
- 1-JF (beach seine: Port Angeles embayment):
Peninsula College, 1971.
- 1-JF (Sequim Bay):
Battelle, 1967-69.
- 2-JF (Sequim Bay, lower half);
Sea Grant, 71110.
- 4-GS (south of Cherry Point):
Sea Grant, 72009.
- 8-S (Duwamish River estuary, 16th Ave. S. to 1st Ave. S. bridge):
Sea Grant, 1972.
- 4-AI (beach seine: Mutiny Bay):
Sea Grant, 1972.
- 3-GS (south of Cherry Point):
Sea Grant, 72019.
- 2-B (Bellingham Bay, mid-channel, off Nooksack estuary):
Sea Grant, 72035.
- 1-S (off north west side of West Point): Sea Grant, 1973.
- 1-S (north of Meadow Point to Carkeek Park): Sea Grant, 1973.
- 3-S (Duwamish River estuary, between 1st and 16th Ave. S. bridges):
Sea Grant, 1973.
- 2-S (Duwamish River estuary, downstream from 1st Ave. S. bridge): Sea Grant, 1973.
- 1-SS (off Nisqually River-McAllister Creek): Sea Grant, 1973.
- 3-B (Bellingham Bay, off Nooksack River estuary):
Sea Grant, 73032.
- 4-SS (McLane Cove toward Stretch Island): Sea Grant, 1973.
- 5-SS (west side of Dougall Point):
Sea Grant, 1973.
- 2-SS (mid-channel, McLane Cove to Stretch Island):
Sea Grant, 1973-74.
- 6-HC (off Union): Sea Grant, 1973.
- 3-HC (mid-channel, off Union):
Sea Grant, 1973.
- 5-HC (off Skokomish River delta):
Sea Grant, 1973.
- 1-HC (beach seine: just north of Vinland): Sea Grant, 73038.
- 4-SS (Cormorant Pass.):
Sea Grant, 1973.
- 1-SS (Tatsolo Point):
Sea Grant, 73059.
- 3-E (Holmes Harbor):
U.W. Ocean., Hoh, S.J., 1966.
- 11-S (beach seine: north side of West Point): Sea Grant, 1973.



Phytichthys chirus

Stichaeidae

Published Records

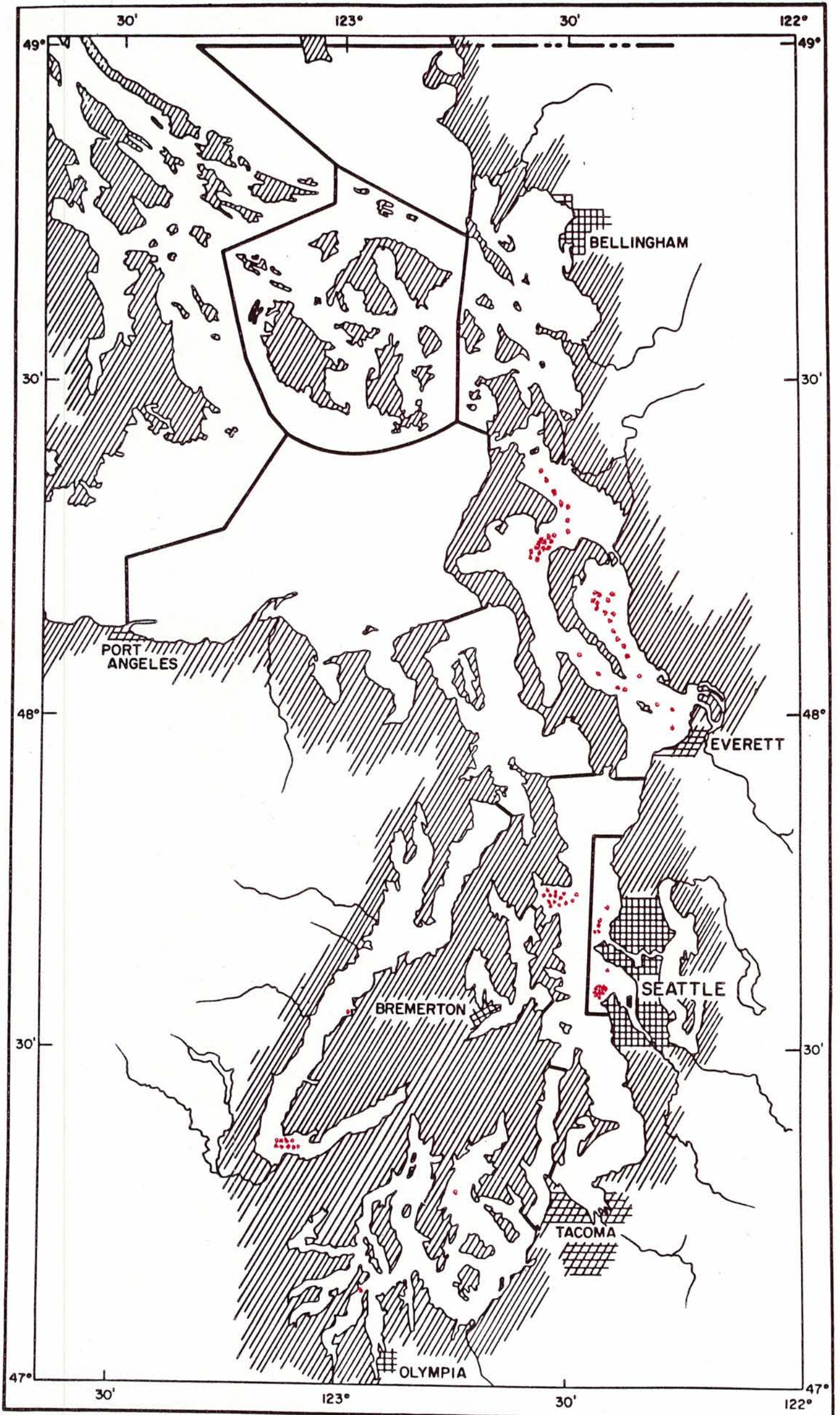
- 1-PO (Orchard Point):
Jordan and Starks, 1896.
1-AI (Port Ludlow): Starks, 1896b.

University of Washington
Museum Collection

- 1-SJ (2 miles south of Lime Kiln):
1062.
3-SJ (Kanaka Bay):
1083; 1151; 1256.
2-SJ (Parker Reef, north of Orcas
Island): 1168; 2179.
1-SJ (False Bay): 1276.
2-PS: 1433; 1444.
2-SJ (False Bay Reef): 1488; 3219.
1-SJ (reef north of Lime Kiln
light): 10767.
1-SJ (south of Smallpox Bay): 14002
(also Friday Harbor Log, 7/8/52).
1-SJ (Iceberg Point tide pool):
14036 (also Friday Harbor Log,
7/22/52-3).
1-SJ (south of False Bay): 16486.
1-SJ (Hannah Heights): 17929 (also
Friday Harbor Log, 8/3/63).
1-SJ: 17959.
1-SJ (Iceberg Point): 18026 (also
Friday Harbor Log, 7/18/63-2).
1-SJ (Deadman Bay): 18205 (also
Friday Harbor Log, 6/22/63).
1-SJ (Limestone Point): 17427 (also
Friday Harbor Log, 6/23/63).
1-SJ (point east of Eagle Cove):
17422 (also Friday Harbor Log,
8/5/63).

Friday Harbor Laboratory Log

- 1-SJ (south of Smallpox Bay):
7/8/52.
1-SJ (Fish Creek): 7/21/52-1.
1-SJ (Argyle Bay): 7/21/52.
2-SJ (Iceberg Point tide pool):
8/4/55-2 (also boat 5520D);
8/22/60-1.
2-SJ (False Bay): 7/10/60; 6/29/61.
1-JF (Smith Island): 8/6/60-2.
1-SJ (Kanaka Bay): 8/21/60.
5-SJ (Iceberg Point): 6/28/61-2;
7/19/63-2; 7/7/67; 6/30/69-1,2.
1-SJ (Hannah Heights): 7/6/67.
1-SJ (Friday Harbor Lab):
6/21/67-2.
1-SJ (Eagle Point): 7/5/67.
1-SJ (either False Bay or Argyle
Bay): May, 1962.
1-SJ (Iceberg Point tide pool):
6/29/73-1.



Plectobranchus evides

Stichaeidae

Published Records

- 1-HC: Gilbert and Thompson, 1905.
 1-HC (Holly):
 Schultz and DeLacy, 1935-36.
 1-E (Gedney Island, near Camano
 Head): Smith, 1937.
 7-E (Skagit Bay): Salo, 1969.

University of Washington
Museum Collection

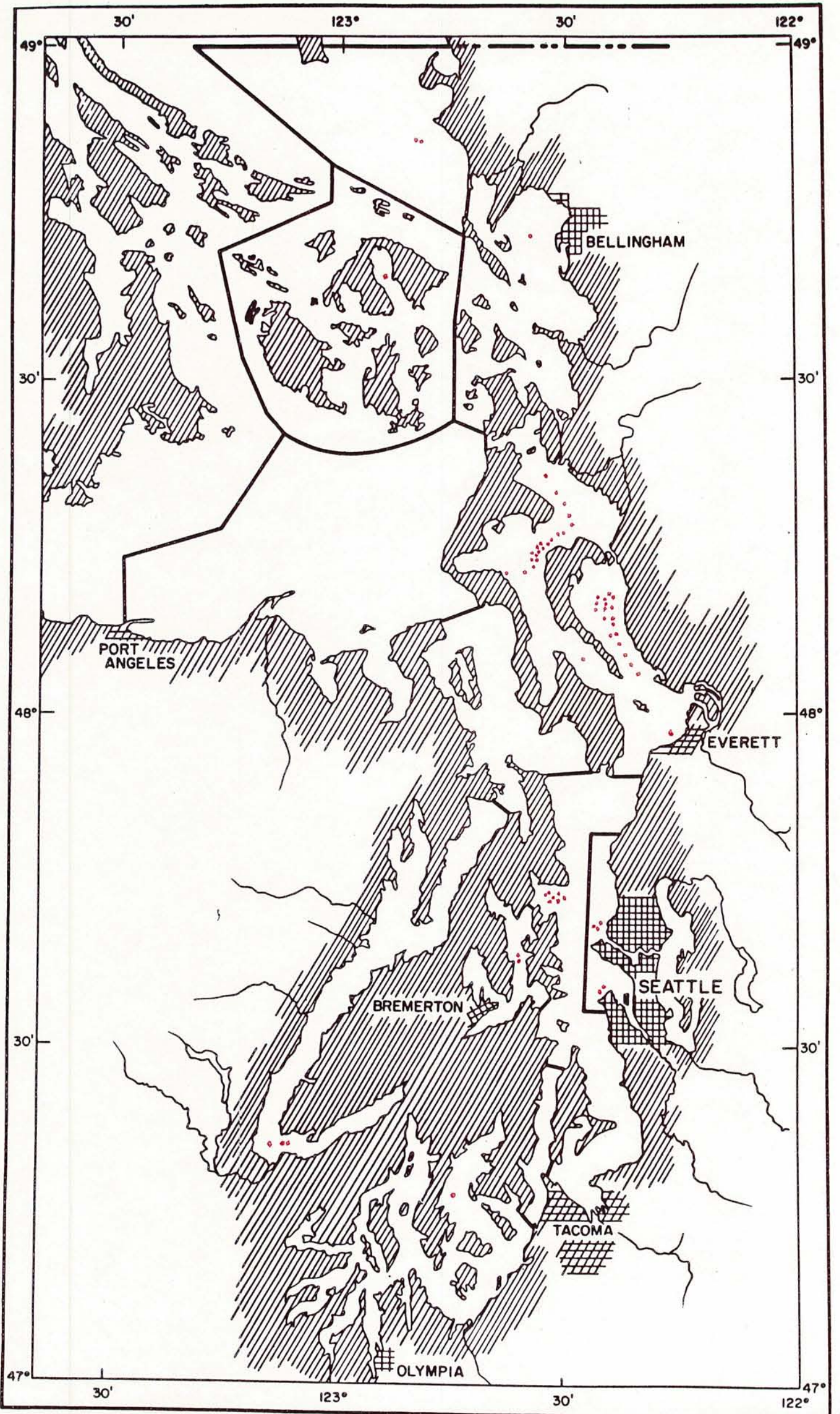
- 1-E (east of Gedney Island): 2572.
 1-E (off Snohomish River): 2615.
 1-E (Saratoga Pass, Sandy Point):
 2669.
 1-E (Saratoga Pass.): 2918.
 1-E (Port Susan): 2939.
 1-E (off Everett): 2945.
 1-E (off Tulalip Bay):
 5950 (also boat 7/1/49-1).
 3-S (off Golden Gardens): 5688
 (also boat 491A); 5846 (also boat
 493B); 5860 (also boat 5034E).
 1-S (off 4-Mile Rock to Pier 91):
 5883 (also boat 5027C).
 1-S (off Meadow Point):
 5959 (also boat 496B).
 1-CS (Port Madison, mid off
 Indianola):
 7453 (also boat 492B).
 1-CS (off Port Madison):
 8389 (also boat 5043C).
 1-E (Saratoga Pass.): 19627.

University of Washington Boat Log

- 1-S (off Carkeek Park): 5039C.
 1-CS (off Port Madison): 497B.
 1-E (training cruise area: off Penn
 Cove): 6826E; 7118E).

Miscellaneous Logs

- 11-S (Off Duwamish Head to Alki
 Point): U.W. Ocean., 1964-67.
 1-SS (Carr Inlet, off Horsehead
 Bay): U.W. Ocean., Hoh, 1963-67.
 4-CS (Port Madison):
 U.W. Ocean., Hoh, 1963-68.
 9-E (Saratoga Pass., Rocky Point):
 U.W. Ocean., Hoh, 1963-67.
 13-E (Port Susan):
 U.W. Ocean., Hoh, 1963-67.
 3-E (off Rocky Point to off Utsalady
 Point):
 U.W. Ocean., Hoh, 1963-67.
 7-CS (Port Madison):
 Van Cleve, trap, 1961-65.
 7-HC (mid-channel, off Union):
 Sea Grant, 1973-74.
 2-HC (mid-channel, off Skokomish
 River delta): Sea Grant, 1973.
 1-SS (entrance to Eld Inlet):
 Van Cleve, trap, 1961-65.



Poroclinus rothrocki

Stichaeidae

Published Records

- 2-GS (2.5 miles southwest of Point Whitehorn):
Smith, 1936 (also museum 3803).
5-E (Skagit Bay): Salo, 1969.

University of Washington
Museum Collection

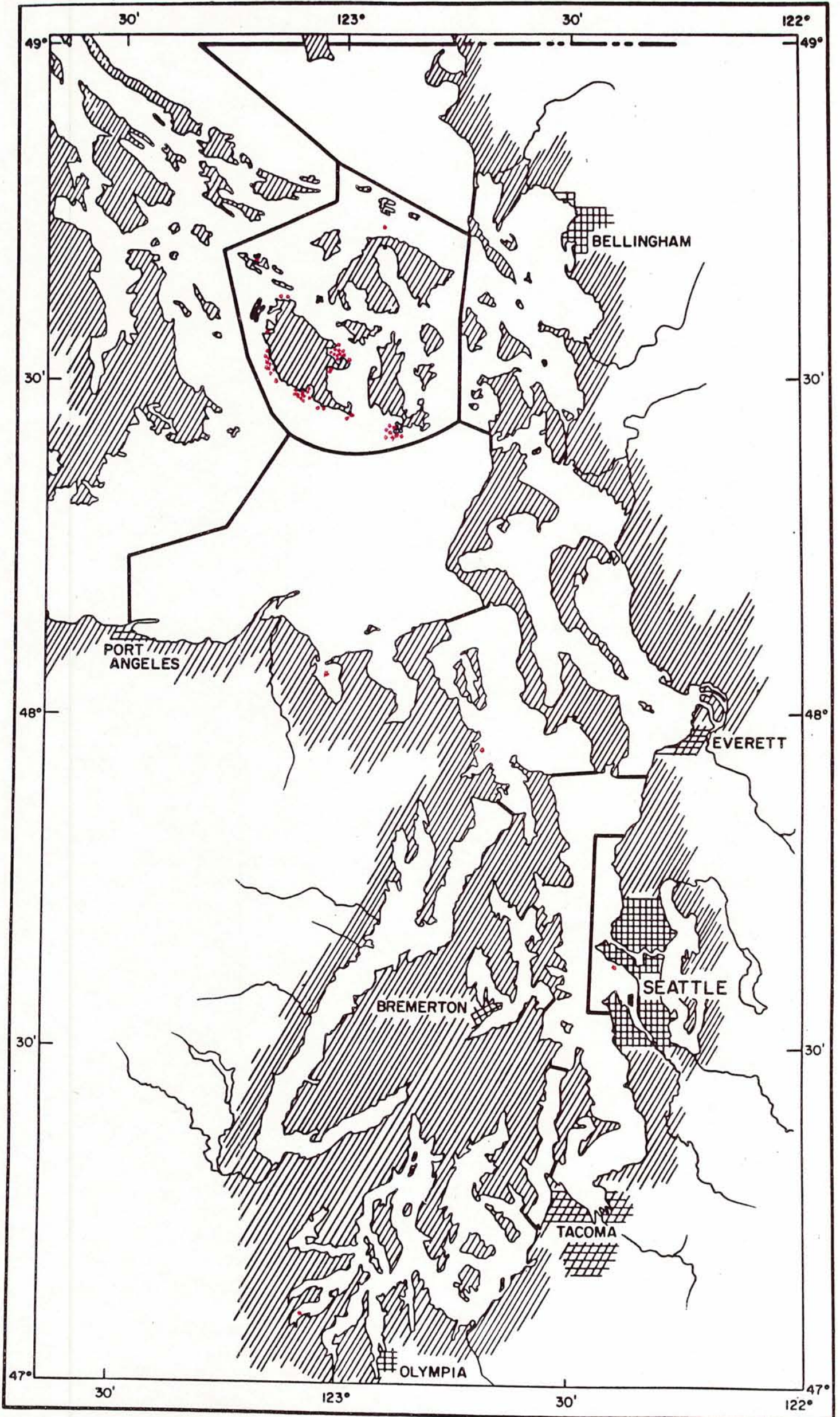
- 1-E (off Tulalip): 2912.
1-E (Saratoga Passage): 2919.
1-E (Port Susan): 2940.
1-E (Port Susan): 19179.

University of Washington Boat Log

- 1-E (Saratoga Passage, south of Snatelum Point): 5418H.
1-PO (trap, off Fletcher Bay): 6203C.

Miscellaneous Logs

- 1-B (Bellingham Bay): Bill High, personal communication, 12/9/63.
1-SJ (East Sound): Bill High, personal communication, 12/9/63.
2-S (off Duwamish Head to Alki Point): U.W. Ocean., 1964-67.
1-E (Port Gardner Bay): U.W. Ocean., P.G., 1962-67.
3-S (Golden Gardens to Meadow Point): U.W. Ocean., Hoh, 1963-68.
1-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
4-CS (Port Madison): U.W. Ocean., Hoh, 1963-68.
14-E (Port Susan): U.W. Ocean., Hoh, 1963-67.
10-E (Saratoga Pass., Rocky Point): U.W. Ocean., Hoh, 1963-67.
2-E (off Rocky Point to off Utsalady Point): U.W. Ocean., Hoh, 1963-67.
1-E (Port Susan): U.W. Ocean., Hoh, S.J., 1966.
1-PO (off Fletcher Bay): Van Cleve, trap, 1961-65.
2-E (Saratoga Passage, west side just south of Penn Cove): Van Cleve, trap, 1961-65.
2-HC (mid-channel, off Union): Sea Grant, 1973.
1-HC (mid-channel, off Skokomish River delta): Sea Grant, 1973.
3-CS (Port Madison): Van Cleve, trap, 1961-65.



Xiphister atropurpureus

Stichaeidae

Published Records

- 1-S (Seattle):
 Jordan and Starks, 1896.
 1-AI (Port Ludlow): Starks, 1896b.
 1-SJ (Friday Harbor): Batts, 1961.

University of Washington
Museum Collection

- 1-SJ (Friday Harbor): 1001.
 1-SJ (Cattle Point): 1019.
 1-SJ (Lime Kiln): 1032.
 1-SJ (2 miles south of Lime Kiln):
 1069.
 4-SJ (Kanaka Bay):
 1086; 1152; 1257; 10436.
 1-SJ (Parker Reef, north of Orcas
 Island): 1163.
 1-SJ (False Bay): 1280.
 1-SJ (False Bay Reef): 1470.
 1-SS (Oyster Bay): 4808.
 1-SJ (reef north of Lime Kiln
 light): 10768.
 1-SJ (Iceberg Point tide pool):
 14040 (also Friday Harbor Log,
 7/22/52-3).
 1-SJ: 17938.
 2-SJ (Deadman Bay):
 17951 (also Friday Harbor Log,
 8/2/63); 18225 (also Friday
 Harbor Log, 6/22/63).
 1-SJ (Iceberg Point): 18025
 1-SJ (Limestone Point): 17439 (also
 Friday Harbor Log, 6/23/63).
 1-SJ (Hannah Heights): 17999 (also
 Friday Harbor Log, 8/3/63).
 1-SJ (point east of Eagle Cove):
 17421 (also Friday Harbor Log,
 8/5/63).

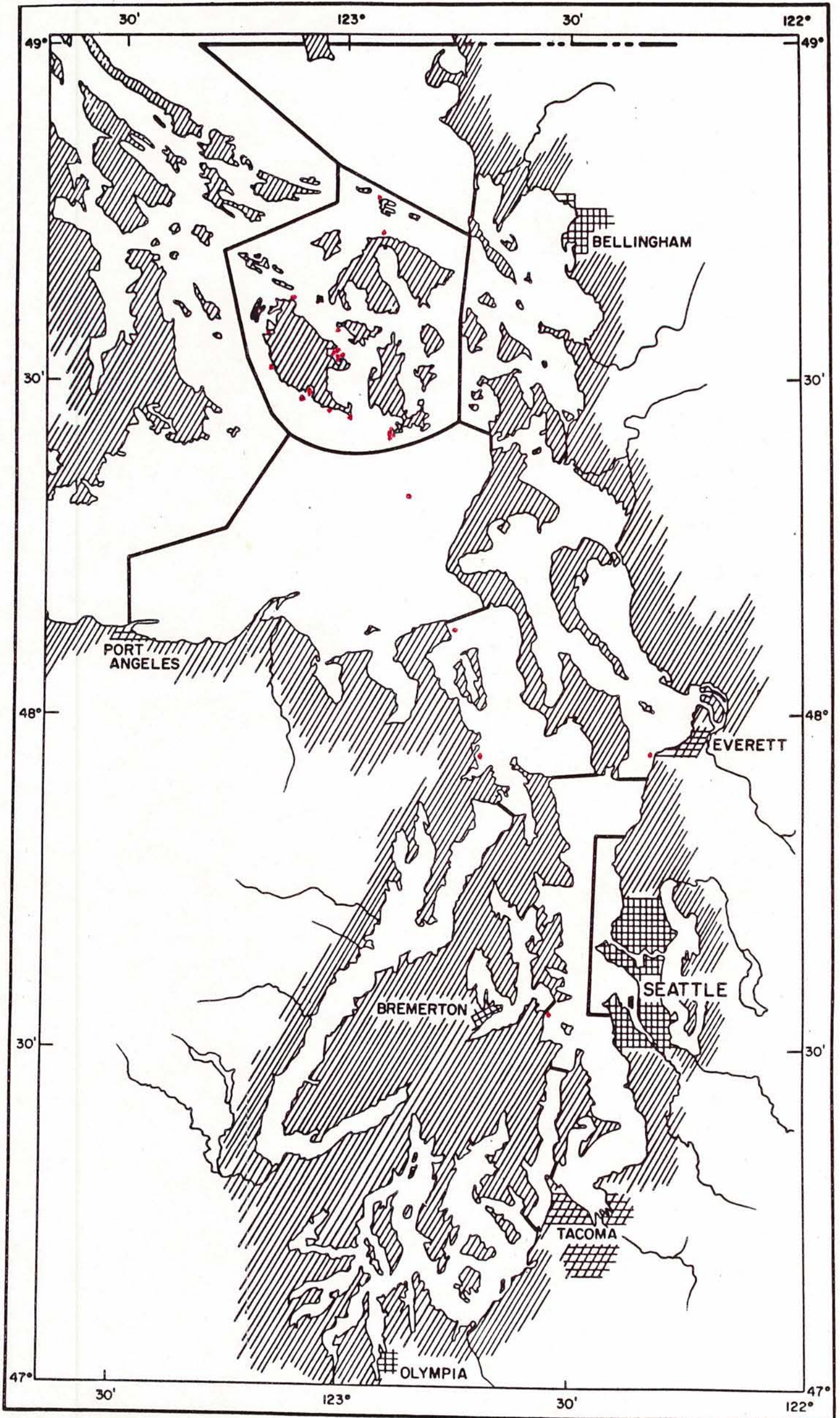
Friday Harbor Laboratory Log

- 1-SJ (south of Smallpox Bay):
 7/8/52.
 4-SJ (Friday Harbor): 6/21/55-1;
 8/6/60-1; 6/27/61; 7/25/61.
 2-SJ (Iceberg Point tide pool):
 8/4/55-2 (also boat 5520D);
 8/22/60-1.
 1-SJ (south of Satellite Island):
 8/15/55-1.
 2-SJ (Argyle Bay): 8/16/55-1,2.
 4-SJ (Friday Harbor Lab):
 6/23-30/60; 7/7/60; 8/4/60-1;
 6/21/67-2.
 2-SJ (Minnesota Reef):
 7/11/60-2; 8/4/60-2.
 1-SJ (Kanaka Bay): 8/21/60.
 5-SJ (Iceberg Point):
 6/28/61-2; 7/18/63-2; 7/19/63-2;
 7/7/67; 6/30/69-3.
 2-SJ (False Bay): 6/29/61; 7/26/61.
 1-SJ (Turn Island): 7/30/61.
 3-SJ (Deadman Bay):
 6/27/67; 7/3/67; 7/11/67-1.
 1-SJ (Cattle Point): 6/22/67.

- 1-SJ (Eagle Point): 7/5/67.
 1-SJ (Iceberg Point tide pool):
 6/29/73-72.
 1-SJ: May, 1962.
 1-SJ (Mitchell Bay): 6/30/73.

Miscellaneous Logs

- 1-JF (Sequim Bay):
 Battelle, 1967-69.



Xiphister mucosus

Stichaeidae

Published Records

- 1-AI (Port Townsend): Bean, 1884.
 1-AI (Port Ludlow): Starks, 1896b.
 1-SJ: Starks, 1911.
 1-SJ (Brown Island, Friday Harbor):
 Miles, 1918.

University of Washington
Museum Collection

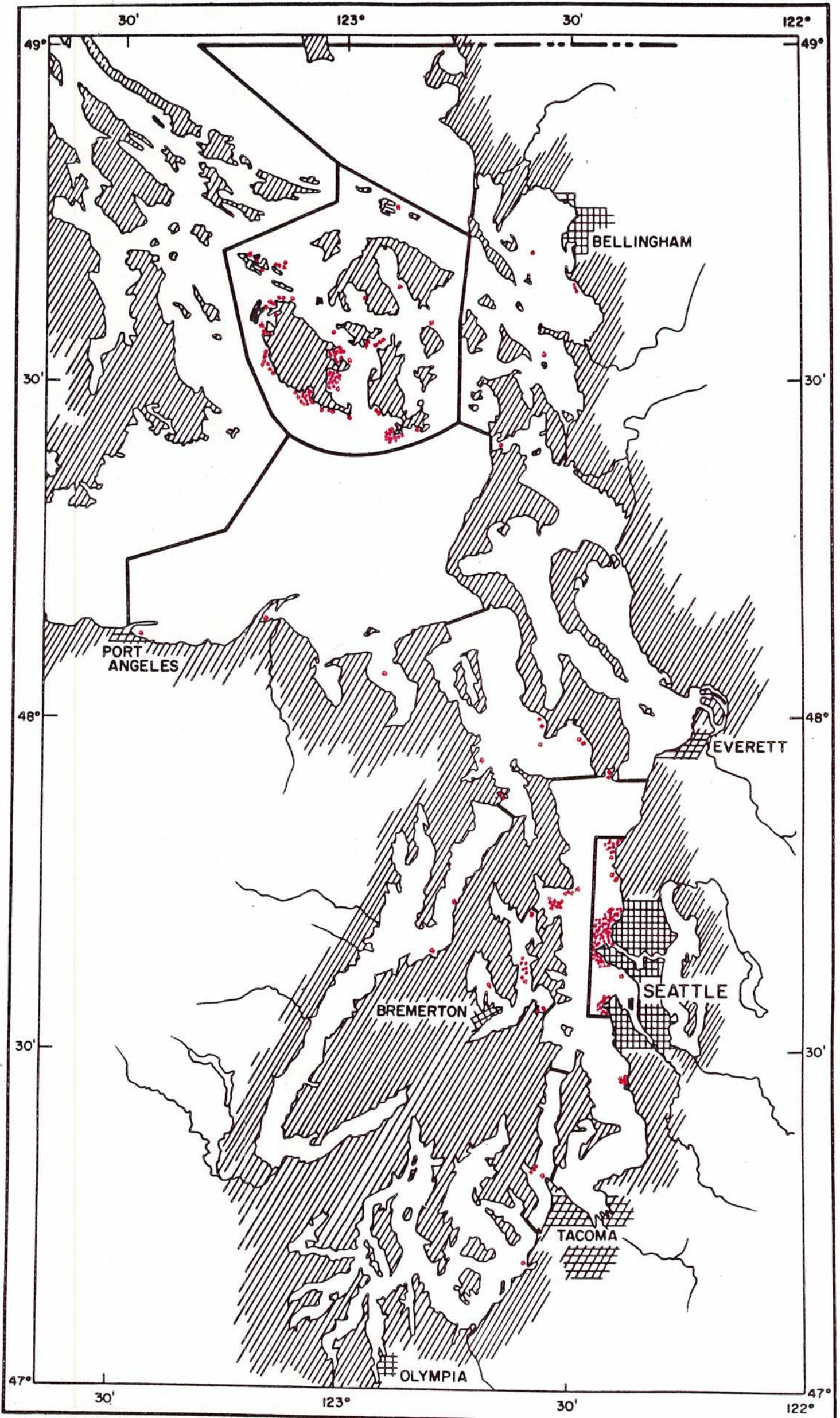
- 3-SJ (Friday Harbor):
 999; 1044; 14372.
 1-SJ (Parker Reef, north of Orcas
 Island): 1164.
 1-SJ (False Bay): 6161.
 1-CS (reef north of Manchester
 Rocks): 639.
 1-SJ (Limestone Point): 17432.
 1-SJ: 17932.
 1-SJ (Iceberg Point): 18030 (also
 Friday Harbor Log, 7/18/63-2).
 1-SJ (point east of Eagle Cove):
 17423 (also Friday Harbor Log,
 8/5/63).

Friday Harbor Laboratory Log

- 1-SJ (south of Neck Point):
 8/14/50-1.
 1-SJ (Friday Harbor Lab): 8/18/55.
 1-SJ (Minnesota Reef): 7/11/60-2.
 1-JF (Smith Island): 8/6/60-1.
 1-SJ (Kanaka Bay): 8/21/60.
 1-SJ (Iceberg Point tide pool):
 8/22/60-1.
 1-SJ: May, 1962.
 2-SJ (False Bay): 6/29/61; 7/26/61.
 1-SJ (Cattle Point): 8/6/61.
 1-SJ (Deadman Bay): 6/22/63.
 2-SJ (Iceberg Point):
 7/19/63-2; 6/30/69-3.
 1-SJ (Mitchell Bay): 6/30/73.

Miscellaneous Logs

- 1-SJ (northwest beach of Sucia
 Island): Allyn Johnson, personal
 communication, Diving, 4/2/72.
 1-E (1 block north of Mukilteo ferry
 dock): Allyn Johnson, personal
 communication, 4/18/72.



Apodichthys flavidus

Pholidae

Published Records

1-SS (Fort Steilacoom):
Girard, 1859; Suckley, 1860.
1-PO (Orchard Point):
Jordan and Starks, 1896.
1-AI (Port Ludlow): Starks, 1896b.
1-SJ (Sucia Island):
Evermann and Goldsborough, 1907.
1-SJ: Starks, 1911.
1-B (Bellingham Bay, north of Eliza
Island): Tyler, 1964.
4-CS (beach seine: south side of
Point Jefferscn): Kendall, 1966.

University of Washington
Museum Collection

1-E (Deception Pass): 171.
1-SJ (Argyle Bay): 554.
1-SJ (East Sound, White Beach):
591.
1-SJ (East Sound): 617.
2-SJ (Davis Bay): 598; 1191.
1-SJ (San Juans): 727.
1-S (Seattle): 842.
1-S (West Seattle): 917.
3-SJ (Kanaka Bay):
1084; 1148; 1255.
1-SJ (Peavine Pass): 1110.
2-SJ (False Bay): 1277; 2156.
1-S (off Ballard Locks): 4377.
1-S (beach seine: Edmonds): 4383.
2-AI (Useless Bay):
4425 and 4426; 4566.
2-AI (Bywater Bay): 4432; 14652.
1-S (North Beach): 4469.
1-S (beach seine: Alki Point):
4519.
3-S (Edmonds Beach):
4548; 4588; 5509.
2-S (beach seine: spit near Ballard
Locks): 4580; 4615.
1-PO (Agate Pass, north of buoy N4):
5831.
2-CS (beach seine: Cultus Bay):
5926 (also boat 5032A); 8853 and
16473 (also boat 5217).
3-PS: 6164; 7491; 14027.
1-AI (off Double Bluff): 10268.
1-CP (Point Defiance): 16468.
2-S (Richmond Beach):
5892 (also boat 2/13/50); 13990.
1-SJ (False Bay Reef): 1471.
3-SJ (Friday Harbor):
2193; 13995; 14021.
1-SJ (Roche Harbor): 2950.
1-S (Edwards Point to Wells Point):
4983.
1-S (Carkeek Park beach): 5969.
11-S (beach seine: Golden Gardens):
5943 (also boat 5032.1A); 5936
(also boat 5032.1B); 5901 (also
boat 5032.1C); 5929 (also boat
5032.1D); 5915 (also boat
5032.1E); 5800 (also boat 5036A);

14027 (also boat 5129B); 14029
(also boat 5215U); 14856 (also
boat 5804B); 16448 (also boat
5925A); 16450 (also boat 5040A).
3-S (Edmonds): 4261; 4917; 6125.
4-S (Alki Point):
4818; 4889; 4899; 4902.
2-S (off Golden Gardens):
7581; 16920.
1-S (beach seine: Meadow Point):
10330.
1-SJ (False Bay entrance): 10457.
3-S (Golden Gardens):
14023; 17970; 18035.
1-S (beach seine: Carkeek Park):
14030 (also boat 5221C).
1-B (Saddlebag Island): 16693.
1-SJ (Upright Channel): 17215 (also
Friday Harbor Log, 7/5/63).
1-SJ (point east of Eagle Cove):
17414 (also Friday Harbor Log,
8/5/63).
1-SJ (Limestone Point):
17431 and 17986 (also Friday
Harbor Log, 6/23/63).
2-SJ (Deadman Bay):
17931 and 17948 (also Friday
Harbor Log, 8/2/63); 18224 (also
Friday Harbor Log, 6/22/63).
1-SJ: 17933.
1-SJ (Iceberg Point): 18016 (also
Friday Harbor Log, 7/18/63-2).

Friday Harbor Laboratory Log

1-SJ (Johns Island, Reef Bay):
7/5/51-1.
1-SJ (American Camp): 7/6/52.
1-SJ (south of Smallpox Bay):
7/8/52.
3-SJ (Iceberg Point tide pool):
7/22/52-3; 8/4/55-2 (also boat
5520D); 8/22/60-1.
9-SJ (False Bay):
8/4/52-1; 7/10/60; 7/24/60;
8/5/60; 6/29/61; 7/26/61;
6/21/63; 7/18/67; 7/1/69-2,4.
2-SJ (north Johns Island, second
bay): 8/19/52-1,2.
1-SJ (Roche Harbor): 8/19/52.
3-SJ (Friday Harbor):
6/21/55-1; 8/6/60-1; 7/25/61.
4-SJ (Mitchell Bay): 6/25/55-2;
6/24/60; 8/16/60-1; 7/17/61-2.
1-SJ (Johns Island): 7/10/50-2.
3-SJ (Squaw Bay):
8/1/55; 8/1/60-1; 7/10/61-1.
1-SJ (Upright Channel, Odlin Park):
8/1/55.
1-SJ (Brown Island): 8/2/55.
1-SJ (south of Satellite Island):
8/15/55-1.
7-SJ (Argyle Bay):
8/16/55-1,3; 8/11/60-2,3;
6/22/61; 7/12/61-3; 7/15/63.

Apodichthys flavidus

Pholidae

Friday Harbor Laboratory Log

- 2-SJ (outside False Bay):
8/17/55-1,2.
4-SJ (Friday Harbor Lab): 8/18/55;
7/9/60; 8/4/60-1; 6/18/69.
1-SJ (Prevost Harbor): 7/10/50-4.
1-SJ (San Juan Island, opposite
Henry Island): 7/31/50-1.
1-SJ (south of Neck Point):
8/14/50-1.
3-SJ (Argyle Lagoon):
7/2/60; 7/15/60-3; 7/9/73.
1-SJ (Westcott Bay): 8/16/60-2.
1-SJ (White Beach): 8/16/60-4.
2-SJ (North Bay): 8/18/60-1,2.
1-SJ (Kanaka Bay): 8/21/60.
6-SJ (Iceberg Point):
8/22/60-2; 6/28/61-2; 7/19/63-2;
7/7/67; 6/30/69-1,2,3.
1-SJ (Turn Island): 7/30/61.
1-SJ: 5/62.
2-SJ (Deadman Bay):
6/27/67; 7/11/67-1.
2-SJ (Hannah Heights):
8/3/63; 7/6/67.
1-SJ (Cattle Point): 6/23/67-1.
1-SJ (Squaw Bay or West Sound):
6/30/67.
1-SJ (Eagle Point): 7/5/67.
1-SJ (Squaw-Ogder): 6/27/69.
1-SJ (McArdle Bay): 8/22/60-3.
1-SJ (Smallpox Bay): 7/13/61.
1-SJ (Mosquito Pass): 7/17/61-1.
1-SJ (Reid Harbor): 7/15/69-3.
1-SJ (Iceberg Point tide pool):
6/29/73-2.

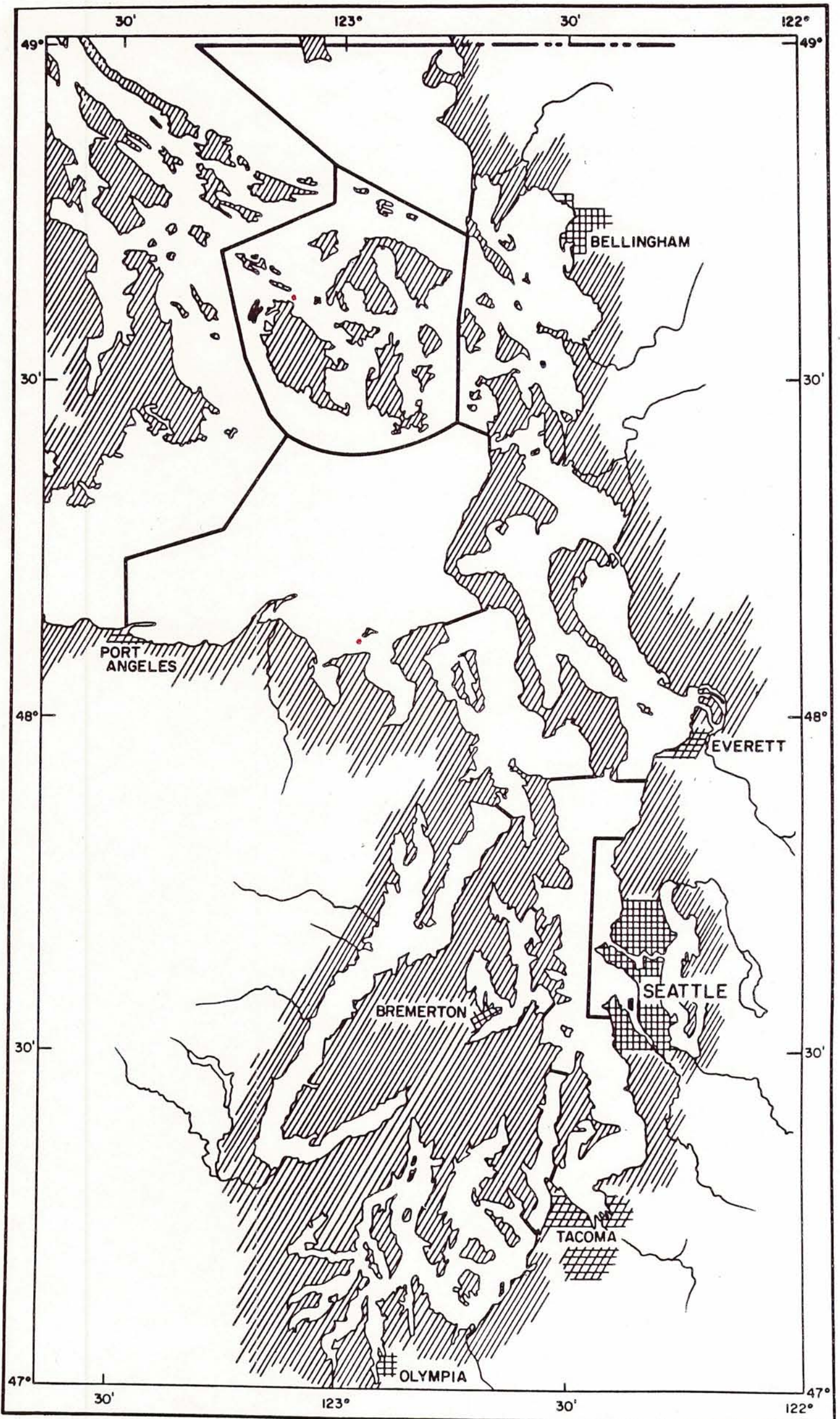
University of Washington Boat Log

- 30-S (beach seine: Golden Gardens to
Meadow Point): 5024D; 5116F;
5134A; 5137A; 5214A,B1,B2,D;
5215B,C,D,G,J,K; 5320A; 5322A;
5612A; 5706A; 5710C,D; 5804A;
5909E; 5913A; 5920I; 6116A,B,C;
6211; 6311C; 6319.
2-E (Holmes Harbor or Penn Cove):
6117F,H.
1-S (1/2 mile west of Duwamish
Head): 6615A.
2-S (beach seine: Carkeek Park):
5708B; 5808A.
2-S (beach seine: north side of West
Point): 7311A,B.
1-S (6-foot seine, north side of
Meadow Point): 6513B.

Miscellaneous Logs

- 2-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
5-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
50+-S (Golden Gardens and Meadow
Point):
U.W. Ocean., Hoh, 1963-68.

- 2-PO (south and north of Fletcher
Bay): U.W. Ocean., Hoh, 1963-67.
9-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
1-JF (Discovery Bay):
U.W. Ocean., Hoh, S.J., 1966.
4-S (Golden Gardens to Carkeek
Park): NIH, 1968-71.
1-PO (Clam Bay): NIH, 1968-71.
1-JF (beach seine: Dungeness embay-
ment): Peninsula College, 1971.
1-JF (beach seine: Port Angeles
embayment):
Peninsula College, 1971.
1-S (Edmonds ferry): Bruce Miller,
Diving Log, 10/11/64.
1-SJ (Argyle Bay): Bruce Miller,
Diving Log, 7/20/66.
1-SJ (Friday Harbor): Bruce Miller,
Diving Log, 7/22/66.
3-CP (beach seine: Gig Harbor spit):
Sea Grant, 72003 (also boat
7208).
1-AI (beach seine: Mutiny Bay):
Sea Grant, 72014.
3-AI (beach seine: Mutiny Bay):
Sea Grant, 72015.
5-CS (beach seine: Seahurst County
Park): Sea Grant, 72016.
1-PO (beach seine: Dyes Inlet,
Tracyton launch ramp):
Sea Grant, 72018.
1-SS (beach seine: Nisqually Head):
Sea Grant, 72021.
1-HC (off Big Beef Harbor):
Sea Grant, 72026.
2-S (beach seine: Golden Gardens):
Sea Grant, 72027.
7-S (beach seine: north side of West
Point): Sea Grant, 1973.
9-S (beach seine: south side of West
Point): Sea Grant, 1973.
1-S (off southwest side of West
Point): Sea Grant, 1973.
7-S (north of Meadow Point to
Carkeek Park): Sea Grant, 1973.
1-S (southwest of Alki Point):
Sea Grant, 1973.
3-B (beach seine: Wildcat Cove):
Sea Grant, 1973.
1-HC (Bangor Annex): Kramer, Chin,
and Mayo, NCEL Survey, 1973.
1-S (Edmonds ferry dock):
A.C. DeLacy, personal
communication, 1959.
1-S (Shilshole Bay):
Metro, 1966-70.
1-SJ (Edwards Reef, west-central San
Juan Island): Bruce Miller,
Diving Log, 8/16/66.



Pholis clemensi

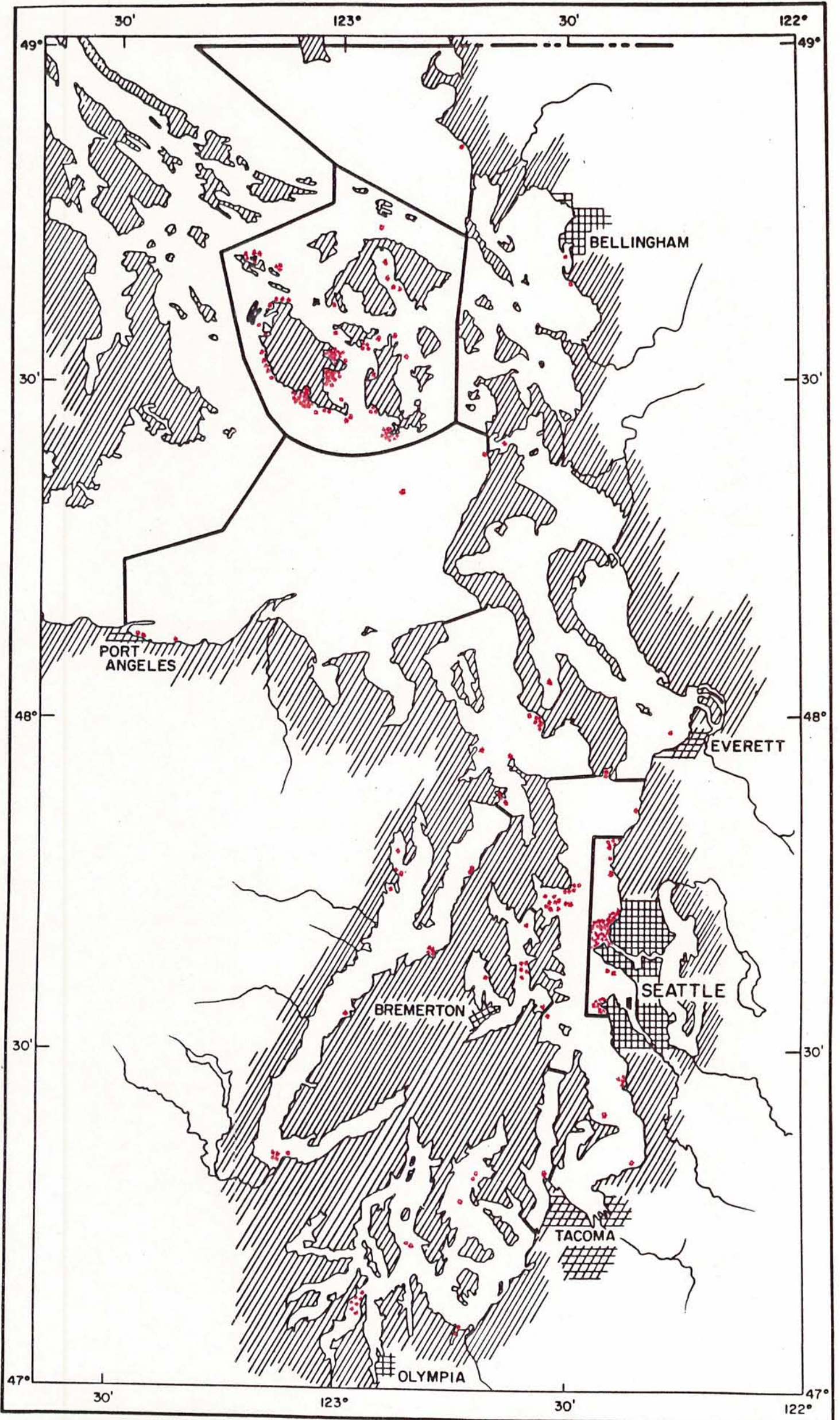
Pholidae

Published Records

1-JF (Protection Island, 30 fathoms, dredge): Rosenblatt, 1964 (also museum 5258).

Friday Harbor Laboratory Log

1-SJ (probably Spieden Channel off Deer Harbor, possibly Massacre Bay): 7/14/67.



Pholis laeta

Pholidae

Published Records

1-PS: Jordan and Gilbert, 1882.
 1-HC (Holly):
 Schultz and DeLacy, 1935-36.
 1-SJ: Shelford et al., 1935.
 4-CS (beach seine: south side of
 Point Jefferson): Kendall, 1966.
 S (south of Meadow Point):
 DeLacy and English, 1954
 (duplicated in boat log).

University of Washington
Museum Collection

3-SJ (East Sound): 632; 739; 2971.
 1-PS (near Whidbey Island): 15.
 1-E (Deception Pass): 173.
 1-SJ (Upright Head and Shoal Bay):
 672.
 2-S (Seattle): 831; 3082.
 1-SJ (Cattle Point): 1004.
 1-SJ (Lime Kiln): 1036.
 3-SJ (Friday Harbor):
 1047; 2192; 13991.
 1-SJ (2 miles south of Lime Kiln):
 1067.
 3-SJ (Kanaka Bay):
 1147; 1087; 10437.
 1-SJ (Parker Reef, north of Orcas
 Island): 1167.
 3-SJ (Davis Bay): 1190; 2169; 3085.
 1-E (off Everett): 2900.
 6-S (Alki Point): 2916; 3086; 3784;
 4016; 4597; 4824.
 1-S (beach seine: south of Ballard
 Locks): 4400.
 3-HC (Bywater Bay):
 4439; 4453; 14638.
 5-S (North Beach):
 4470; 4599; 4684; 4829; 5064.
 1-S (beach seine: Alki Point):
 4526.
 2-S (Edmonds Beach): 4555; 5506.
 2-PS: 4637; 11386.
 1-PS (Vashon Island): 5596.
 1-CS (north side of Maury Island):
 6136.
 1-CS (Indianola): 6170.
 1-HC (Seal Rock): 7485.
 1-CS (Cultus Bay): 7515.
 1-JF (1 mile north of Smith Island):
 7567.
 1-AI (Foulweather Bluff):
 11379 and 11380.
 1-CS (Jefferson Head): 14026.
 1-JF (beach near Morse Creek):
 14634.
 2-HC (Dabob Bay, Point Whitney):
 14687; 16445.
 1-HC (Quilcene Bay): 14735.
 1-CP (Point Defiance): 16447.
 1-CS (beach seine: Cultus Bay):
 16469 (also boat 5217).
 1-B (Chuckanut Bay): 18285.
 1-PO (Orchard Point): 3074.
 1-CS (reef north of Manchester
 Rocks): 3084.

1-S (Richmond Beach):
 5896 (also boat 2/13/50).
 1-S (Carkeek Park):
 5953 (also boat 5022C).
 7-S (Golden Gardens):
 5900 (also boat 5032.1C); 5796
 (also boat 5036A); 5914; 8847;
 5645; 5654; 12203.
 1-SJ (Deer Harbor): 1230.
 6-SJ (False Bay): 1278; 2157; 3076;
 3081; 3083; 11385.
 1-SJ (Peavine Pass): 1334.
 1-SJ (False Bay reef): 1484.
 1-SJ (Squaw Bay): 2076.
 1-SJ (Roche Harbor): 2948.
 2-SJ (Iceberg Point):
 2956; 18004 (also Friday Harbor
 Log, 7/18/63-2).
 1-SJ (off Brown Island): 2995.
 1-SJ (East Sound, White Beach):
 3077.
 3-SJ: 3078; 3537; 17957.
 1-SJ (Flat Point): 3079.
 1-CS (Redondo Beach): 4595.
 3-S (Edmonds): 4600; 4928; 4941.
 1-S (Edwards Point to Wells Point):
 4978.
 1-SJ (Iceberg Point tide pool):
 13988 (also Friday Harbor Log,
 7/22/52-3).
 3-S (beach seine: Golden Gardens):
 14570 (also boat 5137A); 16466;
 11387 (also boat 5129B).
 2-S (1 mile south of Alki Point):
 6048; 7579.
 1-SJ (beach seine: Friday Harbor):
 6115.
 1-SS (west side of Cutts Island):
 7584.
 1-SJ (False Bay entrance): 10460.
 1-S (beach seine: Golden Gardens):
 10328 (also boat 5105B).
 1-SJ (Prevost Harbor): 10445 (also
 Friday Harbor Log, 8/19/52).
 1-SJ (Reef north of Lime Kiln
 light): 10764.
 1-SJ (Upright Channel): 17220 (also
 Friday Harbor Log, 7/5/63).
 1-SJ (north side Johns Island,
 second bay): 16443 (also Friday
 Harbor Log, 8/19/52-1).
 1-SJ (point east of Eagle Cove):
 17413 (also Friday Harbor Log,
 8/5/63).
 1-SJ (Limestone Point): 17438 (also
 Friday Harbor Log, 6/23/63).
 2-SJ (Deadman Bay):
 17934 (also Friday Harbor Log,
 8/2/63); 18204 (also Friday
 Harbor Log, 6/22/63).
 1-SJ (Hannah Heights): 18024 (also
 Friday Harbor Log, 8/3/63).
 1-SJ (south of Frost Island):
 5989 (also Friday Harbor Log,
 6/19/50-2 and boat 5033D).

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Friday Harbor Laboratory Log

- 1-SJ (American Camp): 7/6/52.
 1-SJ (off Fish Creek): 7/21/52-1.
 14-SJ (Argyle Bay): 7/21/52;
 7/5/60; 7/12/61-1; 8/16/55-1,2,3;
 8/11/60-2,3,4; 7/12/61-3,4;
 7/18/61-2; 7/15/63; 7/10/69-4.
 3-SJ (Iceberg Point tide pool):
 8/4/55-2; 8/22/60-1; 6/29/73-2.
 4-SJ (Iceberg Point): 6/28/61-2;
 7/19/63-2; 7/7/67; 6/30/69-1.
 6-SJ (Friday Harbor Lab):
 7/31/52; 8/18/55; 7/9/60;
 8/4/60-1; 6/67; 1969 night light.
 1-SJ (north side Johns Island,
 second bay): 8/19/52-2.
 1-SJ (Prevost Harbor): 7/10/50-4.
 4-SJ (Friday Harbor): 6/21/55-1;
 8/6/60-1; 6/27/61; 7/25/61.
 1-SJ (Fisherman Bay): 6/24/55-1.
 3-SJ (Squaw Bay):
 8/1/55; 8/1/60-1; 7/10/61-1.
 1-SJ (Upright Channel, Odlin Park):
 8/1/55.
 1-SJ (Brown Island): 8/2/55.
 1-SJ (south of Satellite Island):
 8/15/55-1.
 2-SJ (outside False Bay):
 8/17/55-1,2.
 1-SJ (Johns Island): 7/10/50-1.
 2-SJ (Satellite Island):
 7/10/50-3,6.
 1-SJ (south of Neck Point):
 8/14/50-1.
 9-SJ (False Bay):
 7/17/50-1; 7/24/60; 8/5/60;
 6/29/61; 7/26/61; 6/21/63;
 7/18/67; 7/1/69-2,4.
 1-SJ (Mitchell Bay): 8/16/60-1.
 2-SJ (North Bay): 8/18/60-1,2.
 1-SJ (Kanaka Bay): 8/21/60.
 1-SJ (Smallpox Bay): 7/13/61.
 1-SJ (Mosquito Pass): 7/17/61-1.
 1-SJ (Turn Island): 7/30/61.
 1-SJ: 5/62.
 1-SJ (Hannah Heights): 7/6/67.
 1-SJ (Cattle Point): 6/23/67-1.
 1-SJ (Squaw Bay or West Sound):
 6/30/67.
 1-SJ (Eagle Point): 7/5/67.
 1-SJ (Squaw-Ogden): 6/27/69.
 1-SJ (Argyle Lagoon): 7/9/73.

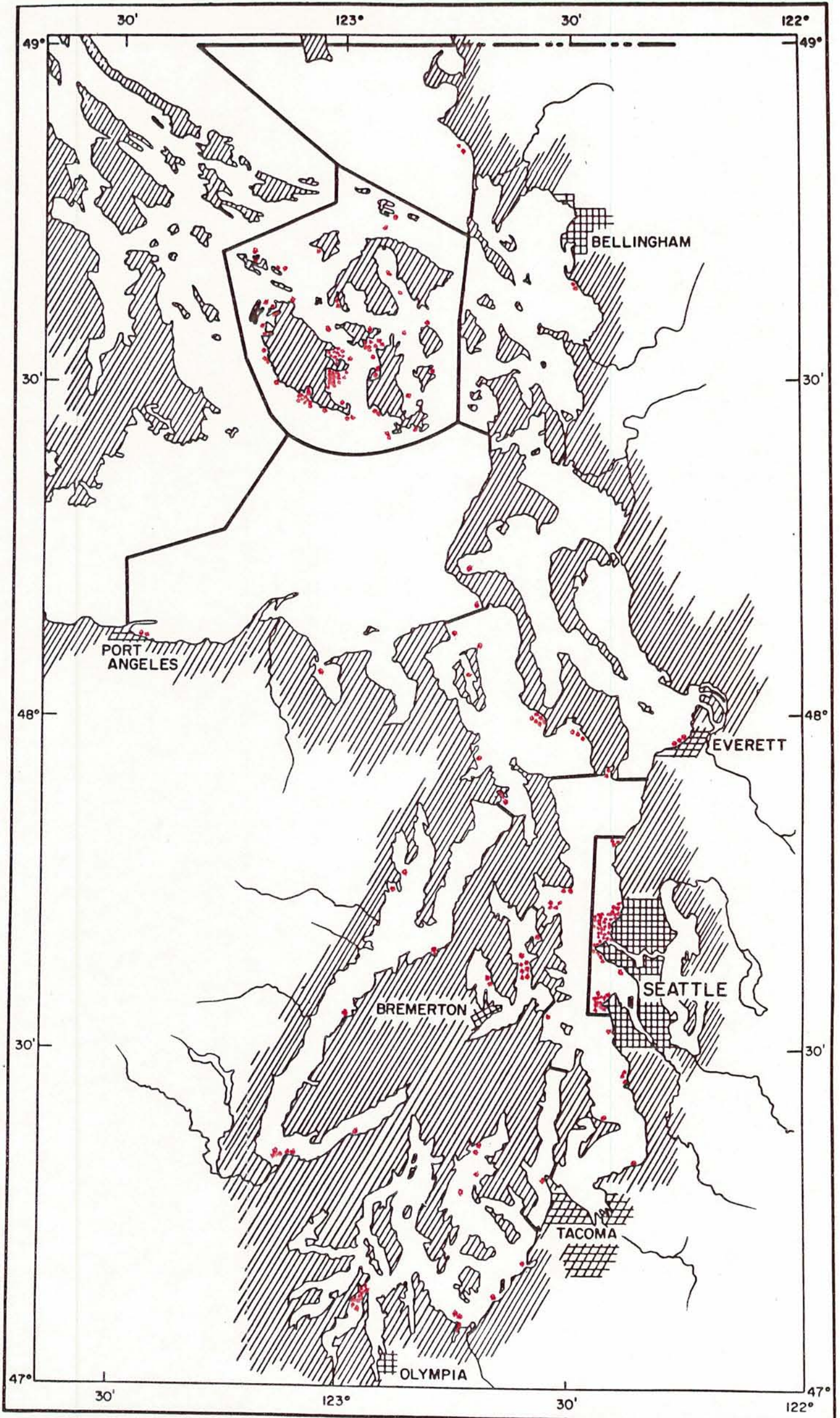
University of Washington Boat Log

- 30-S (beach seine: Golden Gardens to
 Meadow Point): 5012C; 5016C;
 5019C; 5021F; 5024C; 5108A;
 5110H; 5112F,G; 5114C; 5116A,D1,
 F,G1; 5119F; 5127C; 5134A,B;
 5137B; 5208A; 5214B,C,D,E,F;
 5710C; 5804A; 2-6417; 7209A.
 1-S (off Golden Gardens to Meadow
 Point): 5119H.
 1-S (beach seine: Carkeek Park):
 5225A.

- 1-SS (beach seine: west side of
 Cutts Island): 5037E.
 1-PO (south part of Agate Pass):
 5048A.
 1-CS (south edge of Port Madison):
 5315D.
 1-CS (trap: Port Madison): 6203A.
 1-SS (trap: Eld Inlet): 6219-1.

Miscellaneous Logs

- 5-PO (south of Fletcher Bay):
 U.W. Ocean., P.O., 1964-65.
 22-S (Golden Gardens to Meadow
 Point):
 U.W. Ocean., Hoh, 1963-68.
 2-SS (Case Inlet, off Taylor Bay to
 off Whiteman Cove):
 U.W. Ocean., Hoh, 1963-67.
 1-SS (Carr Inlet, off Horsehead
 Bay): U.W. Ocean., Hoh, 1963-67.
 1-E (Holmes Harbor):
 U.W. Ocean., Hoh, S.J., 1966.
 1-SJ (East Sound): NIH, 1968-71.
 7-CS (Port Madison):
 Van Cleve, trap, 1961-65.
 7-SS (Eld Inlet entrance):
 Van Cleve, trap, 1961-65.
 2-JF (Port Angeles embayment):
 Peninsula College, 1971.
 1-GS (beach seine: south of Cherry
 Point): Sea Grant, 72008.
 8-AI (beach seine: Mutiny Bay launch
 ramp): Sea Grant, 1972.
 4-CS (beach seine: Seahurst County
 Park): Sea Grant, 72016.
 1-JF (beach seine: West Beach, north
 of Naval Air Station):
 Sea Grant, 72017.
 2-PO (beach seine: Dyes Inlet,
 Tracyton launch ramp):
 Sea Grant, 72018.
 7-S (beach seine: Golden Gardens):
 Sea Grant, 1972.
 1-HC (beach seine: Big Beef Creek
 bridge): Sea Grant, 72028.
 1-B (beach seine: Wildcat Cove):
 Sea Grant, 72029.
 1-S (beach seine: north side of West
 Point): Sea Grant, 1973.
 1-CS (beach seine: north of
 Meadowdale at Lunds Gulch):
 Sea Grant, 73002.
 2-SS (McAllister Creek estuary):
 Sea Grant, 1973.
 3-HC (beach seine: Big Beef Creek
 above bridge): Sea Grant, 1973.
 1-HC (off Union): Sea Grant, 1973.
 4-HC (Skokomish River delta):
 Sea Grant, 1973.
 2-HC (beach seine: just north of
 Vinland): Sea Grant, 73038.
 1-AI (Snake Rock, Port Ludlow):
 Allyn Johnson, personal
 communication, 5/14/72.



Pholis ornata

Pholidae

Published Records

- 1-SS (Fort Steilacoom):
Girard, 1859; Suckley, 1860.
- 1-JF (beach seine: Port Angeles):
Gilbert, 1985.
- 1-PS: Jordan and Starks, 1896.
- 1-AI (Port Ludlow): Starks, 1896b.
- 1-SJ: Starks, 1911.
- 1-SJ: Miles, 1918.
- 1-HC (Holly):
Schultz and DeLacy, 1935-36.
- 2-AI (Marrowstone Point; Kilisut Harbor):
Evermann and Goldsborough, 1907.
- 1-JF (Admiralty Head):
Evermann and Goldsborough, 1907.
- 1-AI (Port Townsend):
Evermann and Goldsborough, 1907.
- 1-PS (Whidbey Island):
Evermann and Goldsborough, 1907.
- 1-SJ (Sucia Island):
Evermann and Goldsborough, 1907.
- 1-SJ: Shelford et al., 1935.
- 1-SJ (San Juan Channel):
Wisner and Swanson, 1935.
- 2-CS (beach seine: south side of Point Jefferson): Kendall, 1966.
- 2-HC (fyke net in Big Beef Harbor):
Anderson and Chew, 1972.

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Museum Collection

- 1-CS (reef north of Manchester Rocks): 644.
- 2-SJ (Davis Bay): 635; 600.
- 1-S (Pipers Canyon): 150.
- 1-S (West Seattle): 184.
- 1-SJ (Argyle Bay): 552.
- 2-SJ (Squaw Bay): 562; 2077.
- 2-SJ (False Bay): 569; 585.
- 1-SJ (East Sound, White Beach): 589.
- 1-S (Seattle): 707.
- 1-SJ (Flat Point): 723.
- 4-SJ: 734; 1198; 3542; 17962.
- 5-S (Golden Gardens):
769; 5934 (also boat 5032.1B);
5655; 14016; 17975.
- 5-S (Alki Point):
922; 4596; 4834; 5130; 6216.
- 3-SJ (Friday Harbor):
1000; 1046; 2112.
- 1-SJ (Cattle Point): 1003.
- 1-SJ (2 miles south of Lime Kiln):
1066.
- 1-CS (Lincoln Park Beach): 3574.
- 1-S (beach seine: Edmonds): 4389.
- 2-AI (Useless Bay): 4423; 4563.
- 3-AI (Bywater Bay):
4431; 4452; 14637.
- 1-S (beach seine: Alki Point): 4525.
- 2-S (Edmonds Beach): 4552; 4589.
- 2-S (beach seine: sandspit near Ballard Locks): 4577; 4613.
- 1-S (Ballard blinker light): 4845.
- 1-S (west of Ballard Locks): 4944.
- 1-SS (north of Minter Creek): 5634.
- 1-CS (north side of Maury Island):
6135.
- 1-HC (Dabob Bay, Seal Rock): 7484.
- 1-S (south of Alki Point): 7555.
- 1-CS (beach seine: Cultus Bay):
8854 (also boat 5217).
- 1-SS (Carr Inlet): 10327.
- 1-HC (Twanoh State Park): 13987.
- 1-CP (Point Defiance): 14025.
- 1-AI: 16455.
- 1-HC (Dabob Bay, Point Whitney):
16578.
- 1-SJ (near Peavine Pass): 1111.
- 1-SJ (Parker Reef, north of Orcas Island): 1166.
- 2-SJ (Deer Harbor): 1231; 2967.
- 1-SJ (Brown Island): 2137.
- 1-SJ (Blind Bay): 2249.
- 1-SJ (Roche Harbor): 2949.
- 1-SJ (Blakely Island to Shaw Island): 2954.
- 2-SJ (East Sound): 2972; 7562.
- 1-SJ (off Brown Island): 2996.
- 1-S (North Beach): 4593.
- 1-CS (Redondo Beach): 4594.
- 1-CS (Cultus Bay): 7557.
- 3-S (Carkeek Beach Park):
5533; 5974; 14022.
- 1-S (1 mile south of Alki Point):
6049.
- 1-SJ (beach seine: Friday Harbor):
6157.
- 1-SJ (Fisherman Bay): 6205.
- 3-S (beach seine: Golden Gardens):
7576; 14028 (also boat 5134A);
16454.
- 1-SS (west side of Cutts Island):
7585.
- 1-SJ (entrance to False Bay):
10459 (also Friday Harbor Log,
8/4/52-1).
- 1-SJ (Crescent Beach, Orcas Island):
16452.
- 1-SJ (Upright Channel): 17216 (also
Friday Harbor Log, 7/5/63).
- 1-SJ (point east of Eagle Cove):
17411 (also Friday Harbor Log,
8/5/63).
- 1-SJ (Limestone Point): 17428 (also
Friday Harbor Log, 6/23/63).
- 2-SJ (Deadman Bay):
17930 (also Friday Harbor Log,
8/2/63); 18226 (also Friday
Harbor Log, 6/22/63).
- 1-S (Golden Gardens): 19644.

Friday Harbor Laboratory Log

- 1-SJ (Reef Bay, northeast side Johns Island): 7/5/51-1.
- 1-SJ (off Fish Creek): 7/21/52-1.

Pholis ornata

Pholidae

Friday Harbor Laboratory Log

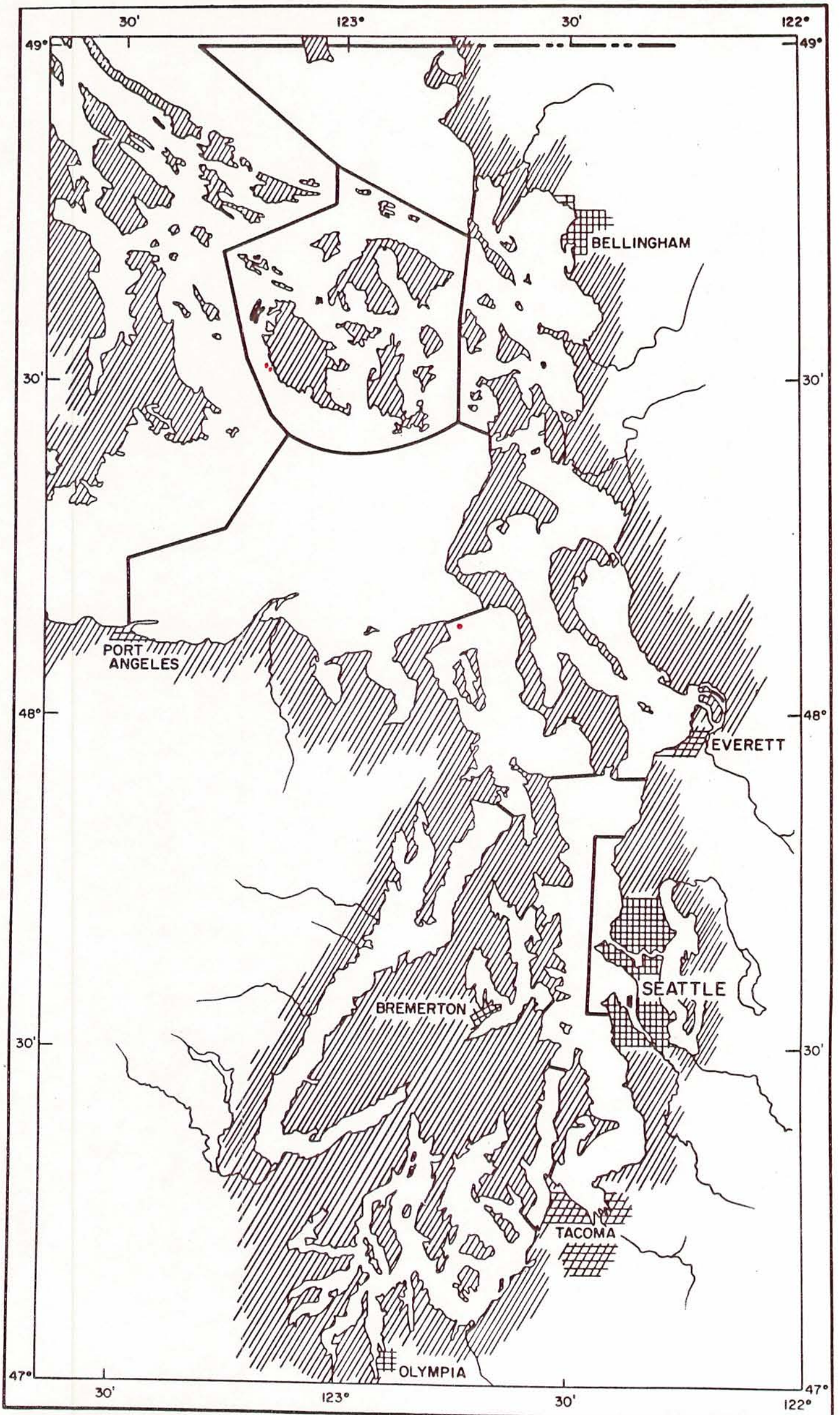
- 14-SJ (Argyle Bay): 7/21/52;
8/16/55-1,2,3; 7/5/60; 8/11/60-2,
3,4; 6/23/61; 7/12/61-1,3,4;
7/15/63; 7/10/69-4.
- 7-SJ (False Bay): 8/4/52-2; 8/5/60;
6/29/61; 7/26/61; 8/8/61;
6/21/63; 7/1/69-4.
- 5-SJ (Friday Harbor Lab):
8/8/52; 8/18/55; 7/9/60; 7/19/60;
8/4/60-1.
- 1-SJ (north side Johns Island,
second bay): 8/19/52.
- 2-SJ (Friday Harbor):
6/21/55-1; 8/6/60-1.
- 3-SJ (Squaw Bay):
8/1/55; 8/1/60-1; 7/10/61-1.
- 1-SJ (Upright Channel, Odlin Park):
8/1/55.
- 1-SJ (Brown Island): 8/2/55.
- 1-SJ (south of Satellite Island):
8/15/55-1.
- 1-SJ (Cowlitz Bay): 8/25/55-2.
- 1-SJ (Satellite Island): 7/10/50-2.
- 1-SJ (west of Decatur Head):
7/24/50-1.
- 1-SJ (San Juan Island, opposite
Henry Island): 7/31/50-1.
- 4-SJ (Argyle Lagoon): 7/2/60;
7/31/60; 8/11/60-1; 7/12/61-2.
- 2-SJ (Mitchell Bay):
8/16/60-1; 7/17/61-2.
- 1-SJ (Westcott Bay): 8/16/60-2.
- 1-SJ (White Beach, East Sound):
8/16/60-4.
- 2-SJ (North Bay): 8/18/60-1,2.
- 2-SJ (Iceberg Point tide pool):
8/22/60-1; 6/29/73-2.
- 1-SJ (Turn Island): 7/30/61.
- 1-SJ (McArdle Bay): 8/22/60-3.
- 1-SJ (Smallpox Bay): 7/13/61.
- 1-SJ (Mosquito Pass.): 7/17/61-1.
- 1-SJ (Lopez Sound): 7/28/61.
- 1-SJ: 5/62.
- 1-SJ (Cattle Point): 6/23/67-1.
- 1-SJ (Squaw Bay or West Sound):
6/30/67.
- 1-SJ (Squaw-Ogden): 6/27/69.

University of Washington Boat Log

- 1-SS (beach seine: 1 mile north of
Minter Creek): 5126E.
- 1-E (beach seine: Good Beach, Penn
Cove): 5316H.
- 1-PO (night light in Manzanita Bay):
5518.
- 2-SS (Eld Inlet, trap):
6217; 6219-1.
- 1-S (beach seine: Alki Point to
Duwamish Head): 6619A.
- 1-SJ (beach seine: Fisherman Bay):
50330.
- 2-S (beach seine: Golden Gardens to
Meadow Point): 5127C; 5612A.
- 1-S (beach seine: Carkeek Park):
5225A.

Miscellaneous Logs

- 3-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
- 6-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
- 15-S (Golden Gardens to Meadow
Point):
U.W. Ocean., Hoh, 1963-68.
- 1-PO (south and north of Fletcher
Bay): U.W. Ocean., Hoh, 1963-67.
- 1-AI (Useless Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 4-CS (Port Madison):
Van Cleve, trap, 1961-65.
- 15-SS (Eld Inlet entrance):
Van Cleve, trap, 1961-65.
- 1-JF (beach seine: Port Angeles
embayment):
Peninsula College, 1971.
- 1-JF (Sequim Bay):
Battelle, 1967-69.
- 2-GS (beach seine: just south of
Cherry Point): Sea Grant, 72008.
- 6-AI (beach seine: Mutiny Bay launch
ramp): Sea Grant, 1972.
- 3-CS (beach seine: Seahurst County
Park): Sea Grant, 72016.
- 2-PO (beach seine: Dyes Inlet,
Tracyton launch ramp):
Sea Grant, 72018.
- 3-SS (beach seine: Nisqually Head):
Sea Grant, 1972.
- 2-B (beach seine: Wildcat Cove):
Sea Grant, 72029.
- 1-S (beach seine: Golden Gardens):
Sea Grant, 72032.
- 2-S (beach seine: north side of West
Point): Sea Grant, 1973.
- 4-S (beach seine: south side of West
Point): Sea Grant, 1973.
- 1-SS (McAllister Creek estuary):
Sea Grant, 1973.
- 3-HC (Skokomish River delta):
Sea Grant, 1973.
- 1-AI (Mutiny Bay):
Sea Grant, 73049.
- 2-HC (off Union): Sea Grant, 1973.
- 1-SS (Tatsolo Point):
Sea Grant, 73059.



Pholis schultzi

Pholidae

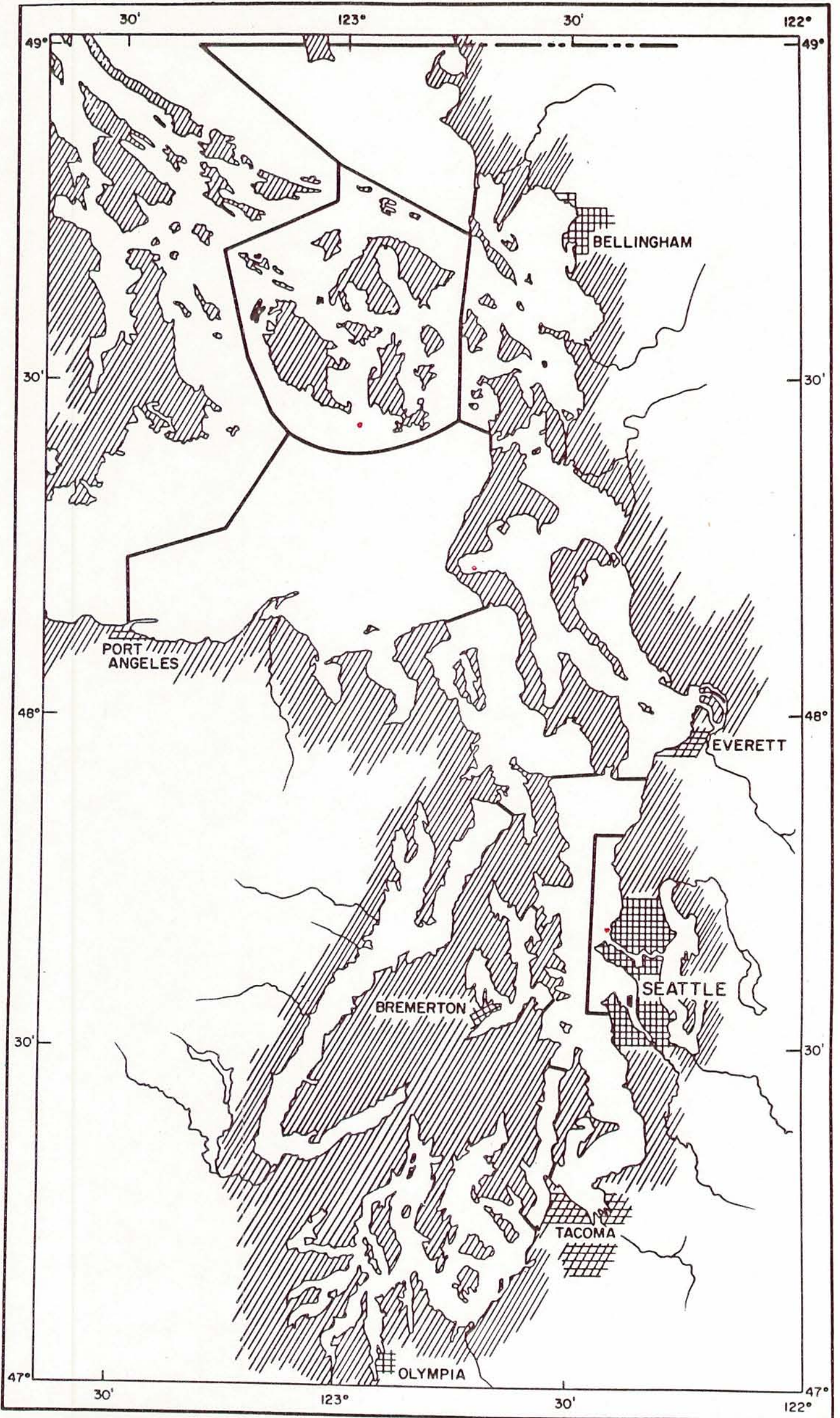
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Museum Collection

1-SJ (reef at lighthouse, supposedly
Lime Kiln, San Juan Island):
3080.

1-AI (Admiralty Inlet): 16573.

Friday Harbor Laboratory Log

1-SJ (Deadman Bay): 6/22/63.



Xererpes fucorum

Pholidae

Published Records

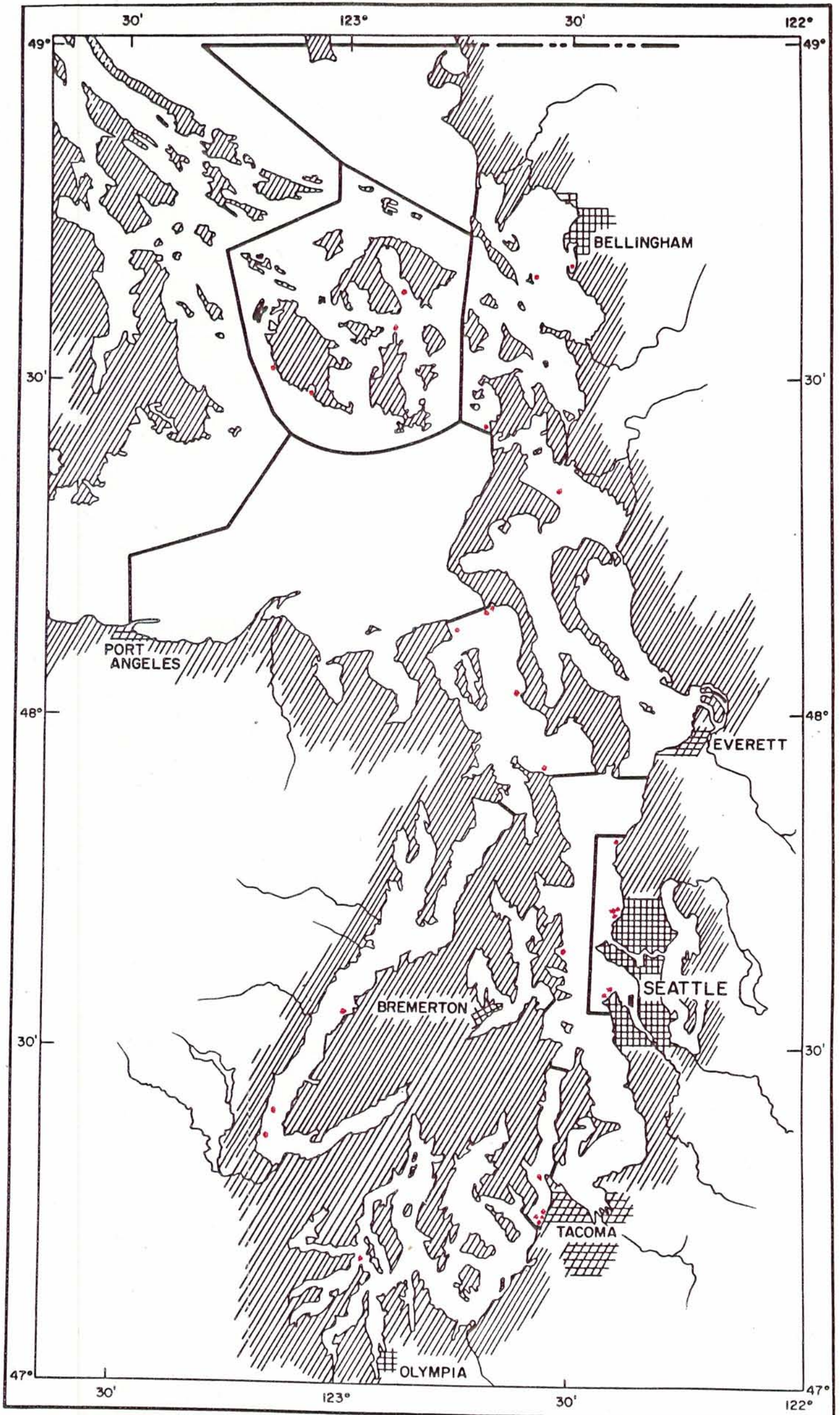
1-PS: Kincaid, 1919.

1-PS:

Jordan and Gilbert, 1881c; 1882.

1-SJ: Schultz and DeLacy, 1935-36.

University of Washington
Museum Collection1-S (beach seine: Golden Gardens):
11388.University of Washington Boat Log1-E (beach seine: Good Beach, Penn
Cove): 5316H.



Anarrhichthys ocellatus

Anarrhichadidae

Published Records

- 1-AI (Port Townsend): Bean, 1884.
 1-PS: Kincaid, 1919.
 1-PS: Schultz, 1930.
 1-HC (Holly):
 Schultz and DeLacy, 1935-36.
 1-E (Skagit and Similk Bays):
 Stober and Salo, 1970b.
 1-S (Duwamish Head): Salo, 1969.
- 1-B (Eliza Island): NMFS, Cobb-68.
 1-SS (Steamboat Island):
 Dick Geist, personal
 communication, January 1977.

University of Washington
Museum Collection

- 1-PS: 265.
 1-HC (Hoodsport): 374.
 1-SJ (False Bay): 1330.
 1-HC (near Potlatch): 3222.
 1-SJ (East Sound): 4459.
 1-AI (Hansville): 6229.
 1-CP (Point Defiance): 8549.
 1-AI (Bush Point): 10313.
 1-PS (Whidbey Island): 12671.

Friday Harbor Laboratory Log

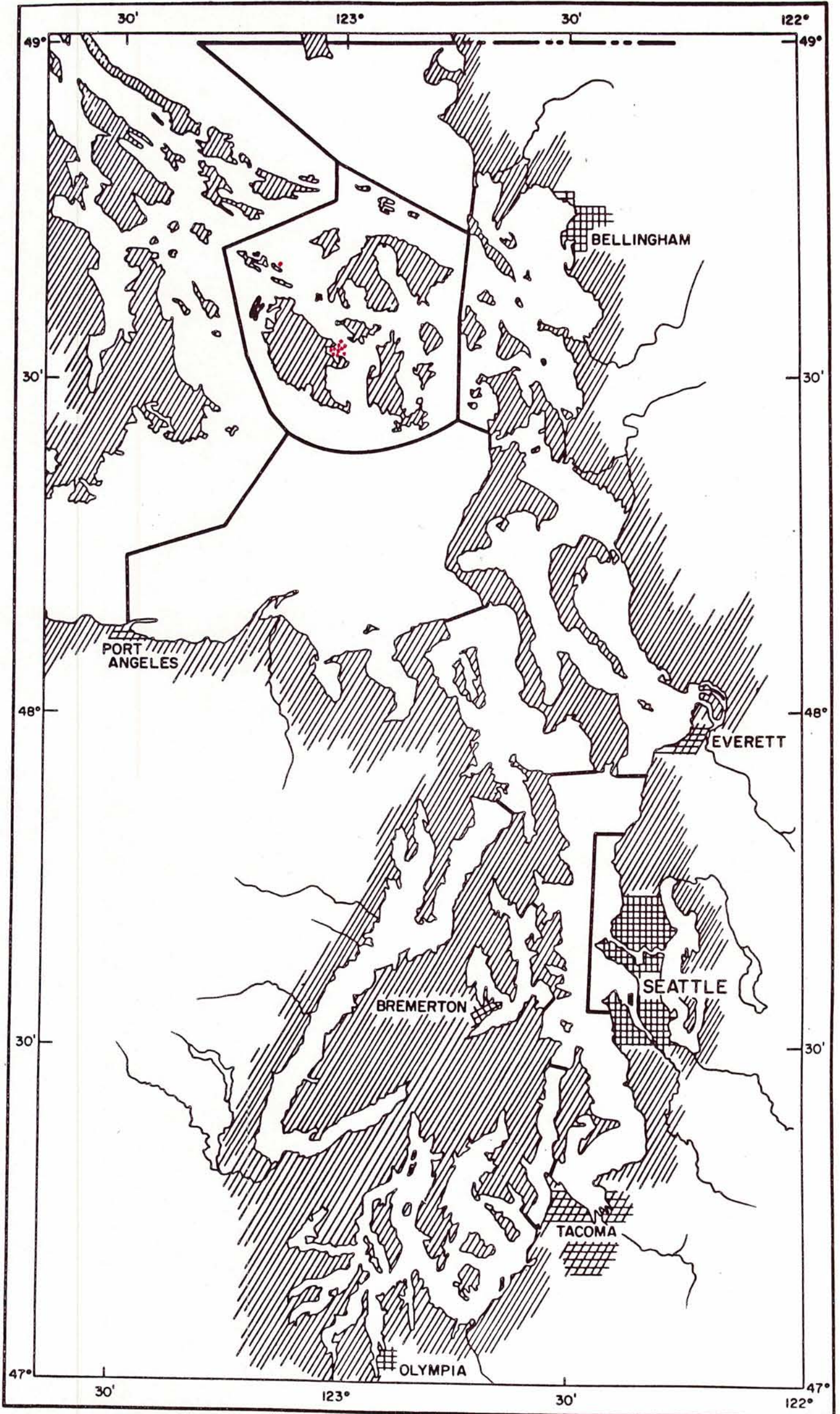
- 1-SJ (Upright Head): 6/28/51-1.

University of Washington Boat Log

- 1-CS (Murden Cove): 6823.

Miscellaneous Logs

- 6-SJ (San Juan Island):
 Bill High, Diving, personal
 communication, 10/22/63.
 1-B (Rosario Head):
 Bill High, Diving, personal
 communication, 10/22/63.
 1-HC: Bill High, Diving, personal
 communication, 10/22/63.
 1-CP (Diving, Tacoma Narrows):
 Bill High, personal
 communication, 10/22/63.
 1-SJ (Diving, south of Lime Kiln):
 Bill High, personal
 communication, 12/30/66.
 1-AI (Diving, Keystone ferry):
 Bill High, personal
 communication, 12/30/66.
 2-CP (Diving, Tacoma Narrows, Day
 Island): Bill High, personal
 communication, 12/30/66.
 1-S (Carkeek Park):
 NMFS, Cobb 69-1.
 1-AI (Diving, Keystone ferry):
 Al Milbun, personal
 communication, 1961.
 1-B (Diving, Pleasant Bay):
 Al Milbun, personal
 communication, 1961.
 1-S (Edmonds ferry):
 Bruce Miller, Diving Log, 5/3/68.
 2-S (Carkeek Park):
 S.L. Ralston, Diving Log, 1971.
 1-S (Duwamish Head to Alki Point):
 U.W. Ocean., 1964-67.



Ptilichthys goodei

Ptilichthyidae

Published Records

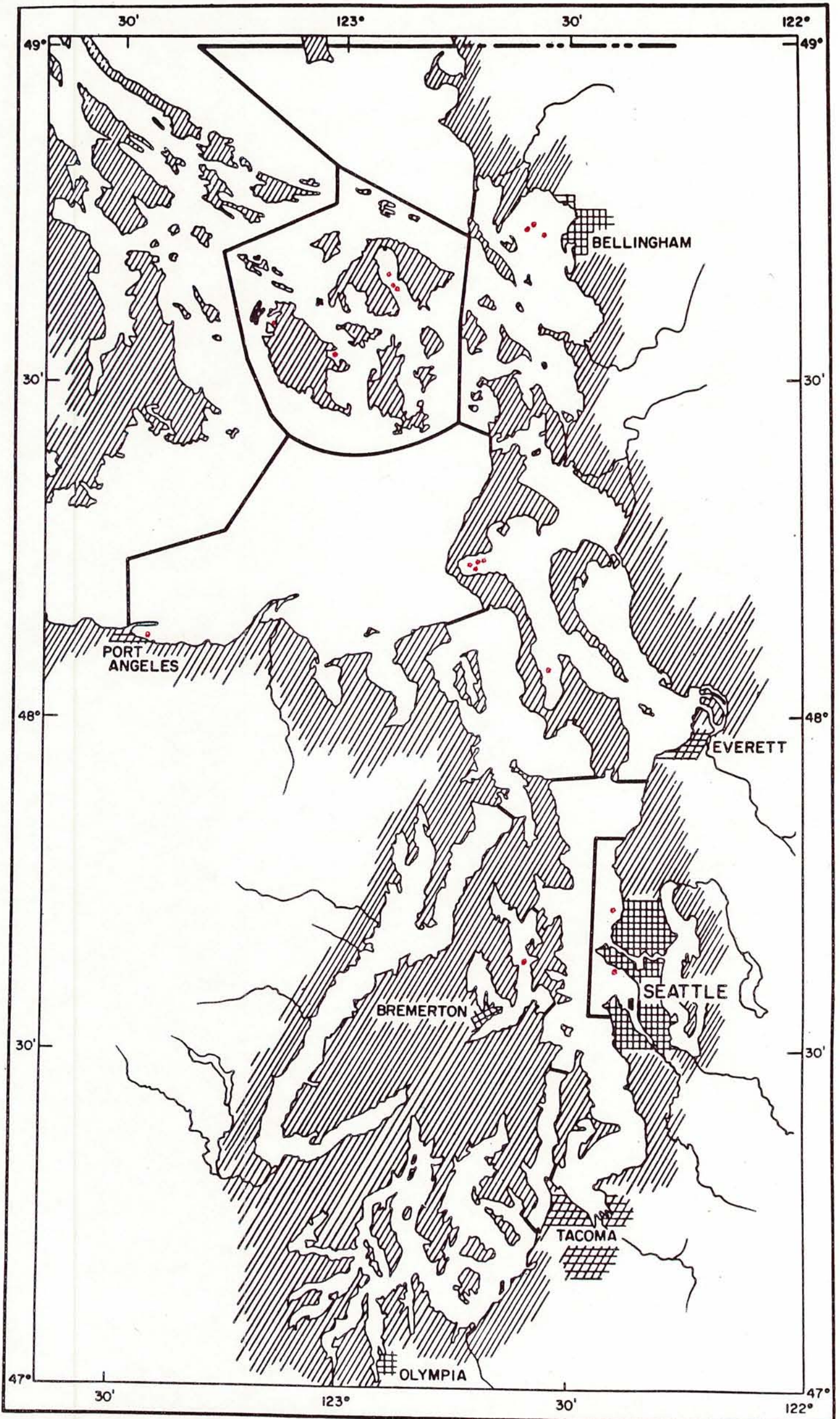
SJ (Friday Harbor):
Schultz, 1930; Chapman and
DeLacy, 1933; Walker, 1953
(duplicated by museum records).

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Museum Collection

6-SJ (Friday Harbor):
51; 2105; 3707; 10326; 14004;
13999 (also Friday Harbor Log,
7/31/52 and/or 8/1/52).
1-SJ (north of Johns Island):
14708.

Friday Harbor Laboratory Log

3-SJ (night light, Friday Harbor
lab): 7/50; 1969; 8/72.
5-SJ (Friday Harbor lab):
7/31/52 or 8/1/52; 7/6/52;
7/30/55; 7/63; 7/12/69-2.



Delolepis gigantea

Cryptacanthodidae

Published Records

- 1-JF (Port Angeles beach):
Bean, 1884.
1-S (Seattle):
Jordan and Starks, 1896.

University of Washington
Museum Collection

- 1-E (Coupeville): 101.
1-S (North Beach): 4720.
1-SJ (Puget Sound Marine Station,
Friday Harbor): 10324.

Friday Harbor Laboratory Log

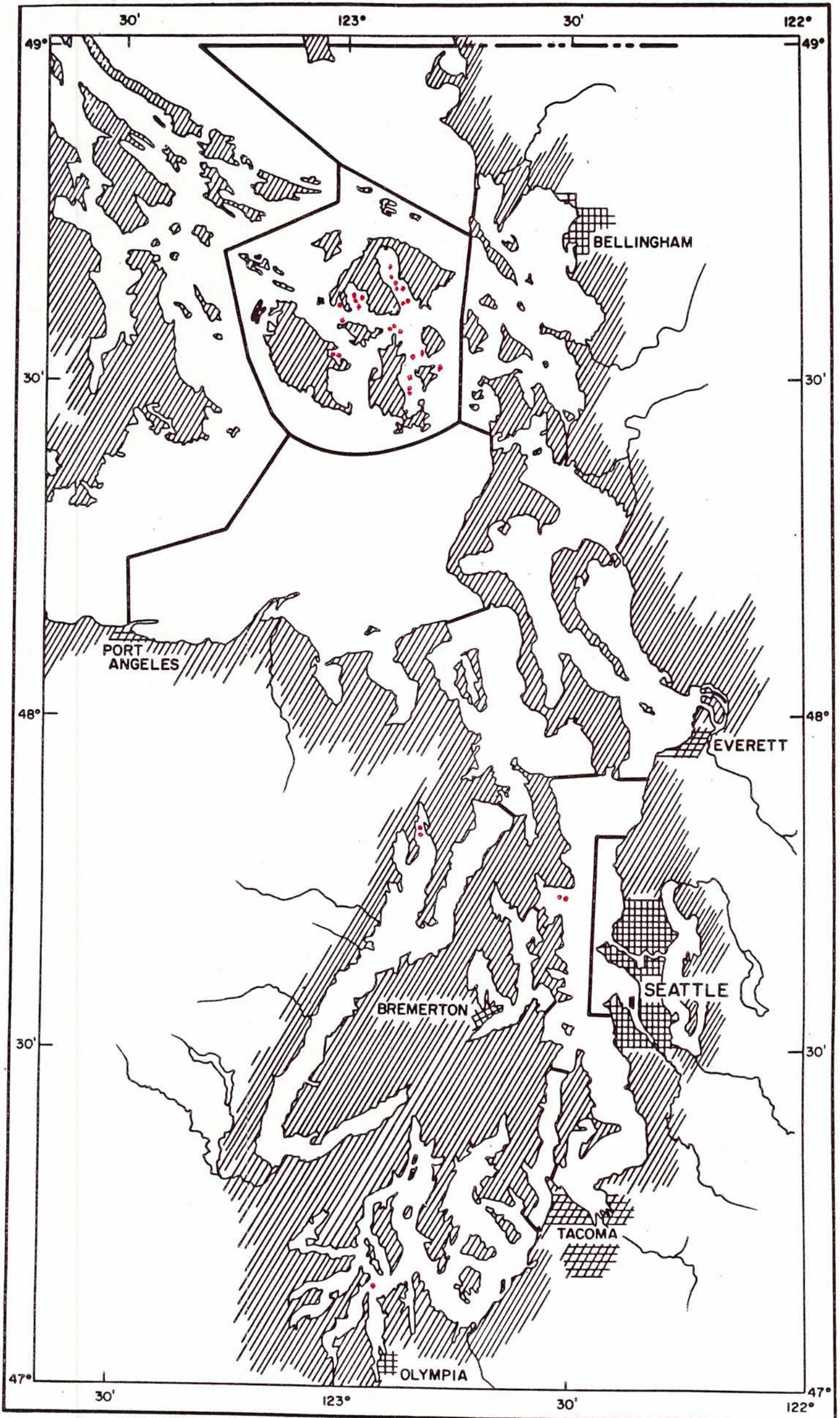
- 2-B (Bellingham Bay):
7/26/51-2; 7/5/52.
1-SJ (Garrison Bay): 7/17/50-4.
1-SJ (East Sound): 8/11/52.

University of Washington Boat Log

- 1-E (Holmes Harbor): 5325C.
2-E (Penn Cove): 5420F; 5522G.
1-E (probably Penn Cove): 5712B.
1-SJ (training cruise area: East
Sound, north of Rosario Point):
6603H.
1-PO (off Fletcher Bay and south):
6707.
1-B (training cruise area: southwest
of Post Point): 7017G.

Micellaneous Logs

- 1-SJ (East Sound, south of Rosario
Point): NIH, 1964-66.



Lyconectes aleutensis

Cryptacanthodidae

Published Records

- 1-HC: Gilbert and Thompson, 1905.
 1-HC: Hubbs, 1928.
 1-SJ: Starks, 1911.
 SJ (Orcas Island): Schultz, 1930
 (duplicated by museum record).
 1-SJ (West Sound): Walker, 1953.

University of Washington
Museum Collection

- 2-SJ (East Sound, off Olga):
 575; 1119.
 1-SJ (Deer Harbor): 810.
 1-PS (Hood Canal to Port Susan):
 2333.
 1-SJ (Wasp Pass.): 2974.
 1-SJ: 3561.
 1-PS: 3624.
 2-SJ (Friday Harbor): 3695; 15520.
 2-SJ (near Orcas Island):
 11365; 1319.
 1-SJ (east of Willow Island):
 14000 (also Friday Harbor Log,
 7/28/52-2).
 1-HC (lower Hood Canal): 19137.
 1-SJ (Upright Head): 16834.
 1-SS (off Olympia, could be trap
 area, mouth of Eld Inlet):
 17598.
 1-CS (Port Madison): 18699 (also
 Van Cleve, trap, 1961-65).
 1-SJ (East Sound, south of Rosario
 Point): 19136.
 1-SJ (East Sound, south of Rosario
 Point): 19455.
 1-SJ (upper Lopez Sound): 19470.

Friday Harbor Laboratory Log

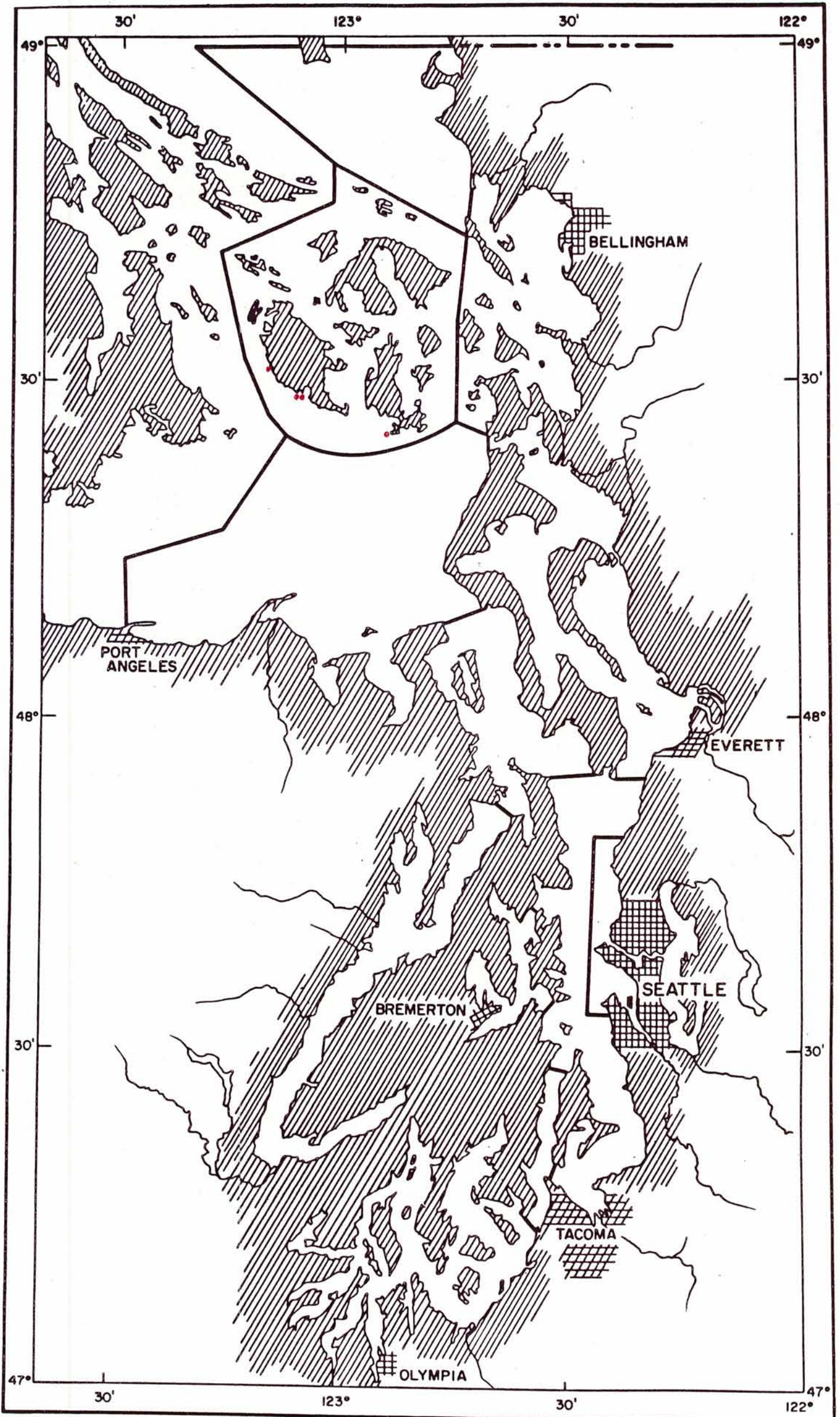
- 3-SJ (West Sound):
 7/6/50; 7/17/50-5; 8/24/60.
 1-SJ (east of Upright Head):
 8/22/55-2.
 1-SJ (Upright Head): 8/3/60.
 1-SJ (Lopez Sound): 8/5/60-2.
 1-SJ (Decatur Head): 7/7/61.
 1-SJ (East Sound): 7/18/61-1.
 1-SJ: 7/15/67.
 1-SJ (mid East Sound): 6/20/69-1.

University of Washington Boat Log

- 2-HC (Dabob Bay, Long Spit to Broad
 Spit): 6804G; 7003B.
 1-SJ (training cruise area, Lopez
 Sound, southwest of Center
 Island): 6603I.

Miscellaneous Logs

- 3-SJ (East Sound, south of Rosario
 Point): NIH, 1964-66.
 1-CS (Port Madison):
 Van Cleve, trap, 1961-65.



Scytalina cerdale

Scytalinidae

Published Records

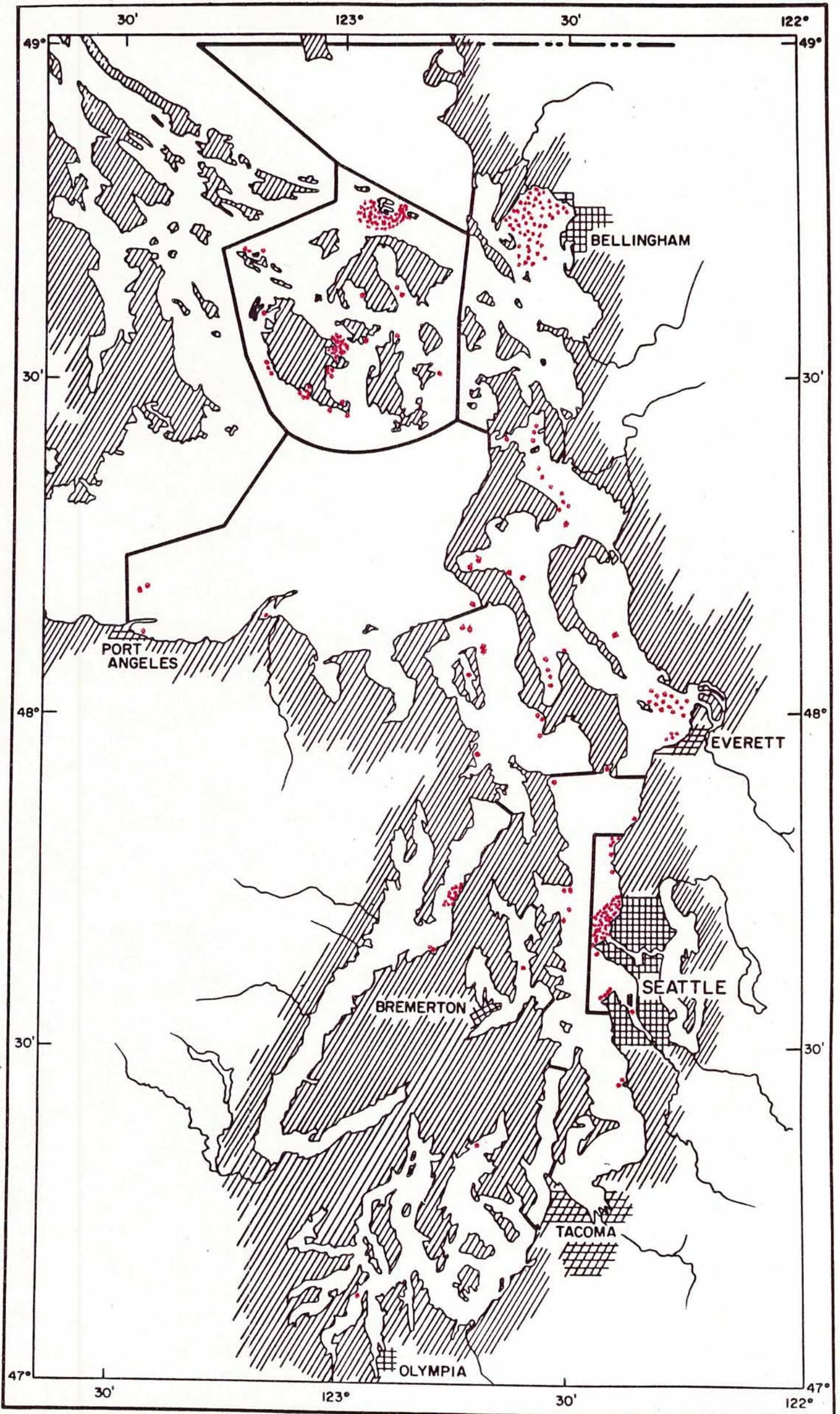
SJ (southwest shore of San Juan
Island): Schultz, 1930
(duplicated by museum records).

University of Washington
Museum Collection

1-SJ (Kanaka Bay): 1150.
1-SJ (Kanaka Bay reef): 1260.
1-SJ (Iceberg Point): 7483.

Friday Harbor Laboratory Log

1-SJ (Deadman Bay): 6/22/63.



Ammodytes hexapterus

Ammodytidae

Published Records

- 1-JF (beach seine, Port Angeles):
Gilbert, 1895.
1-PS: Jordan and Starks, 1896.
1-AI (Port Ludlow): Starks, 1896b.
1-SJ (Sucia Island):
Evermann and Goldsborough, 1907.
1-JF (Admiralty Head):
Evermann and Goldsborough, 1907.
1-AI (Kilisut Harbor):
Evermann and Goldsborough, 1907.
1-SJ: Starks, 1911.
2-CS (north of Point Pully;
Meadowdale): Smith, 1937.
1-SJ (East Sound): Smith, 1937.
7-E (townt: Kiket Island to
Strawberry Point):
Stober and Salo, 1970b.
1-E (otter trawl: Skagit and Similk
Bays): Stober and Salo, 1970b.
1-E (beach seine: Kiket Island):
Stober and Salo, 1970a.
29-B (beach seine: Bellingham Bay,
north of Eliza Island):
Tyler, 1964.
8-B (townt, Bellingham Bay, north
of Eliza Island): Tyler, 1964.
2-CS (beach seine: south side of
Point Jefferson): Kendall, 1966.
1-B (north end of Bellingham Bay):
Jamison, 1970.

University of Washington
Museum Collection

- 1-S (Pipers Canyon): 141.
1-SJ (Upright Head and Shoal Bay):
676.
1-SJ (East Sound): 691.
2-SJ (False Bay): 1132; 1160.
1-SJ (Kanaka Bay): 1154.
3-SJ (Friday Harbor):
2106; 3704; 11328.
3-PS: 3794; 7553; 11326.
1-S (Magnolia): 4295.
2-S (Edmonds Beach): 4472; 5290.
5-S (North Beach):
4602; 4681; 4809; 4676; 16460.
1-S (beach seine: spit near Ballard
Locks): 4611.
2-S (Edmonds): 4914; 4262.
1-S (Edwards Point to Wells Point):
4984.
1-CS (beach seine: Cultus Bay):
5927 (also boat 5032A).
1-AI (off Double Bluff): 10270.
1-S (Richmond Beach): 5584.
1-S (Meadow Point): 11329.
5-S (Golden Gardens): 6014 (also
boat 5021B); 6012 (also boat
5021E); 8855; 14032; 16754.
3-S (beach seine: Golden Gardens):
11321 (also boat 5116D2); 11323
(also boat 5215A); 14855 (also
boat 5804B).

- 1-CS (Browns Bay): 16463.
2-AI (Admiralty Inlet):
17026; 17027.
1-SJ (Deadman Bay): 17961 (also
Friday Harbor Log, 8/2/63).

Friday Harbor Laboratory Log

- 1-SJ (Jackles Lagoon, Cattle Point):
6/29/51.
3-SJ (north side of Stuart Island):
7/10/50-7,8,9.
1-SJ (American Camp): 7/6/52.
18-SJ (Friday Harbor Lab):
7/30/52; 7/6/52; 7/7/52; 7/8/52;
6/13/52; 7/31/52; 6/14/52;
6/15/52; 6/16/52; 7/29/55;
8/1/52; 8/2/52; 8/4/52; 8/9/52;
7/30/55; 7/50; 8/4/61-2; 6/67.
1-SJ (Friday Harbor): 6/21/55-2.
1-SJ (White Point): 5/25/55-1.
4-SJ (Argyle Bay): 8/16/55-3;
7/5/60; 7/12/61-4; 7/15/63.
1-SJ (James Island): 7/24/50-5.
1-SJ (Squaw Bay): 7/10/61-1.
1-SJ (San Juan Island): 5/62.
1-SJ (Deadman Bay): 6/22/63.
1-SJ (Cattle Point): 6/23/67-1.
3-SJ (False Bay):
7/18/67; 7/1/69-4,7.
1-SJ (night light, Friday Harbor
Lab): 1969.

University of Washington Boat Log

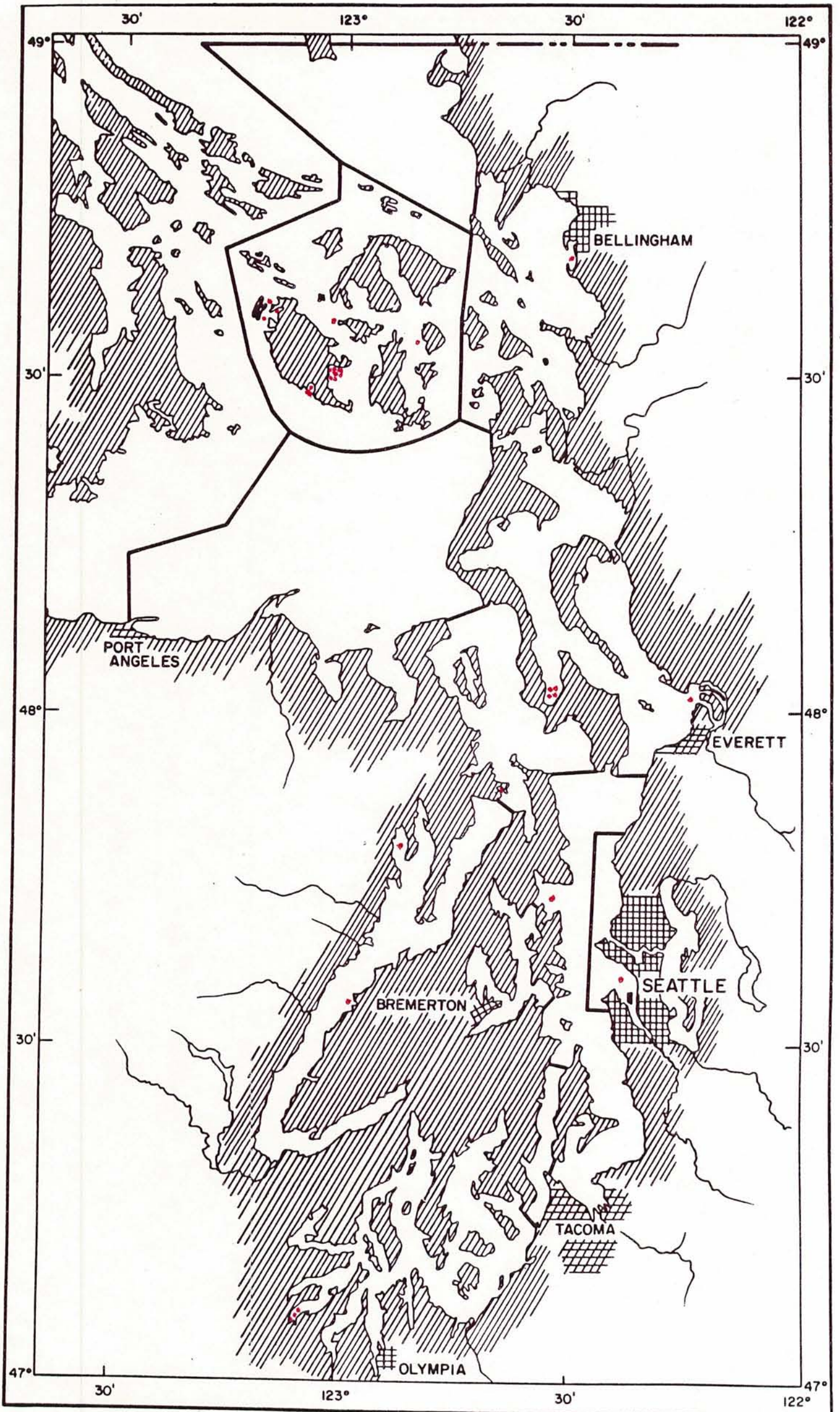
- 1-SS (beach seine: 1 mile north of
Minter Creek): 5126E.
1-E (beach seine: Penn Cove at Good
Beach): 5316G.
1-SS (trap: Eld Inlet entrance):
6219-1.
1-E (training cruise area: off
Strawberry Point): 6717F.
1-E (night light, Whidbey Island,
near East Point): 7213.
1-E (Saratoga Pass., Snatelum Point
to Onamac Point): 7307.
2-AI (training cruise area: east of
north Marrowstone Island):
6603J; 6614J.
1-PO (night light, in Manzanita
Bay): 5518.
22-S (beach seine: Golden Gardens to
Meadow Point): 5119E; 5215G,K;
5404A; 5411B,C; 5415A,D,G,K;
5505A,E; 5508A; 5513A; 5514A,B;
6115A,B; 2-6309; 6310; 6509.
1-S (Golden Gardens): 6511D.
2-S (beach seine: Carkeek Park):
5221B; 5708B.
4-S (beach seine: Alki Point to
Duwamish Head): 6619A,D,H,V.
1-E (Holmes Harbor): 7110D-2.

Ammodytes hexapterus

Ammodytidae

Miscellaneous Logs

- 10+-E (east of Gedney Island):
R. Tyler, personal communication,
6/3/63.
- 50+-E (salmon bait fishery):
Frank Haw, personal
communication, 6/4/63.
- 50+-AI (salmon bait fishery):
Frank Haw, personal
communication, 6/4/63.
- 20-B (Bellingham Bay):
FRI, Tyler Data Sheets, 1965.
- 2-S (beach seine: Duwamish River):
Metro, 1963-70.
- 4-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
- 49-S (Golden Gardens to Meadow
Point):
U.W. Ocean., Hoh, 1963-68.
- 2-E (Port Gardner Bay; Port Susan):
U.W. Ocean., Hoh, 1963-67.
- 1-CS (Skiff Point to Point
Jefferson): U.W. Ocean., herring
trawl, 1968-69.
- 1-PO (south of Fletcher Bay): U.W.
Ocean., herring trawl, 1968-69.
- 1-CS (south of Point No Point):
U.W. Ocean., Hoh, S.J., 1966.
- 1-E (Penn Cove):
U.W. Ocean., Hoh, S.J., 1966.
- 50+-SJ (Sucia Island):
Allyn Johnson, personal
communication, 1972.
- 5-S (Golden Gardens to Carkeek
Park): NIH, 1968-71.
- 1-E (Saratoga Pass., west side just
south of Penn Cove):
Van Cleve, trap, 1961-65.
- 3-E (Holmes Harbor):
Van Cleve, trap, 1961-65.
- 1-JF (beach seine: Dungeness embay-
ment): Peninsula College, 1971.
- 1-SJ (Friday Harbor): Bruce Miller,
Diving Log, 9/10/65.
- 1-SJ (Edwards Reef, west-central San
Juan Island): Bruce Miller,
Diving Log, 8/16/66.
- 1-S (Golden Gardens):
S.L. Ralston, Diving Log, 1971.
- 1-E (Bowman Bay):
S.L. Ralston, Diving Log, 1971.
- 2-AI (beach seine: Mutiny Bay):
Sea Grant, 1972.
- 1-CS (hand net, 1 mile south of Fay
Bainbridge State Park):
A.C. DeLacy, personal
communication, 7/10/72.
- 1-HC (beach seine: Big Beef Creek,
above and below bridge):
Sea Grant, 72028.
- 1-E (Strawberry Point):
Jim Blackburn, personal
communication, 1973.
- 5-S (beach seine: north side of West
Point): Sea Grant, 1973.
- 1-HC (beach seine: Big Beef Creek,
above bridge): Sea Grant, 1973.
- 10+-HC (schools, bay south of Bangor
wharf): Sea Grant, 73038.
- 2-JF (mid-channel, north of Ediz
Hook): NMFS, Cobb-25.



Clevelandia ios

Gobiidae

Published Records

- 1-S (Elliott Bay):
 Jordan and Starks, 1896.
 1-HC: Kincaid, 1919.
 1-HC: Schultz and DeLacy, 1935-36.
 1-SJ: Shelford et al., 1935.
 1-SS (Oyster Bay): Carter, 1965.
 1-HC (Quilcene Bay): Carter, 1965.
 1-HC (Anderson Cove): Chew, 1970.

University of Washington
Museum Collection

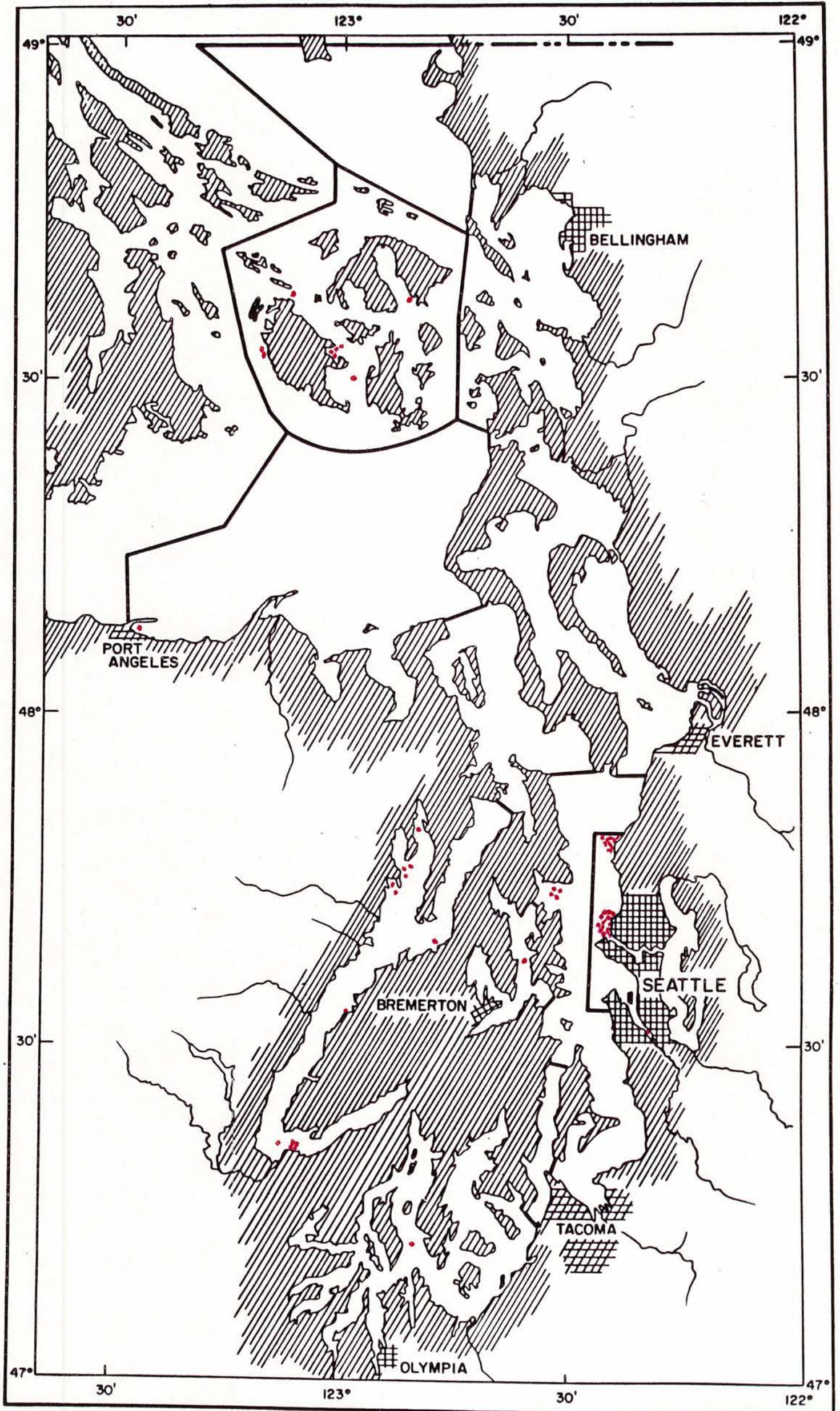
- 1-SJ (Blakely Island): 1113.
 1-SJ (Roche Harbor): 1322.
 1-SJ (Neck Point): 1491.
 1-SJ (Argyle): 2124.
 1-AI (Bywater Bay): 4507.
 1-CS (Port Madison Bay): 14691.
 1-SS (Oyster Bay): 16435.
 1-B (Chuckanut Bay): 18286.
 1-E (Snohomish River tide flats):
 13883.
 1-SS (Oyster Bay, Gallaghers Cove):
 19463.

Friday Harbor Laboratory Log

- 6-SJ (Argyle Lagoon):
 7/17/50-3; 7/11/60-1; 7/15/60-3;
 7/31/60; 8/11/60-1; 7/12/61-2.
 3-SJ (False Bay):
 7/14/60; 6/21/67-1; 7/1/69-16.
 1-SJ (Westcott Bay): 8/16/60-2.
 3-SJ (Argyle Bay):
 6/23/61; 7/18/61-2; 8/3/61.
 1-SJ (Mosquito Pass.): 7/17/61-1.

Miscellaneous Logs

- 4-E (Holmes Harbor):
 Van Cleve, trap, 1961-65.



Coryphopterus nicholsi

Gobiidae

Published Records

- 1-SJ (San Juan Channel):
Wismer and Swanson, 1935.
1-SJ: Kincaid, 1919.

University of Washington
Museum Collection

- 1-HC (Holly): 1562.
1-S (Duwamish River, near Boeing
No. 1): 4754.
2-HC (Seal Rock): 4859; 16436.
1-S (off Golden Gardens):
5986 (also boat 495D).
1-HC (probably north end): 13879.
1-PS: 13902.
1-HC (Dabob Bay, Point Whitney):
14686.
1-PO (south of Battle Point):
14697.
1-SJ (Brown Island): 16704.
1-SJ (west side of Brown Island):
17956 (also Friday Harbor Log,
6/15/63).

Friday Harbor Laboratory Log

- 1-SJ (Friday Harbor): 8/17/60.

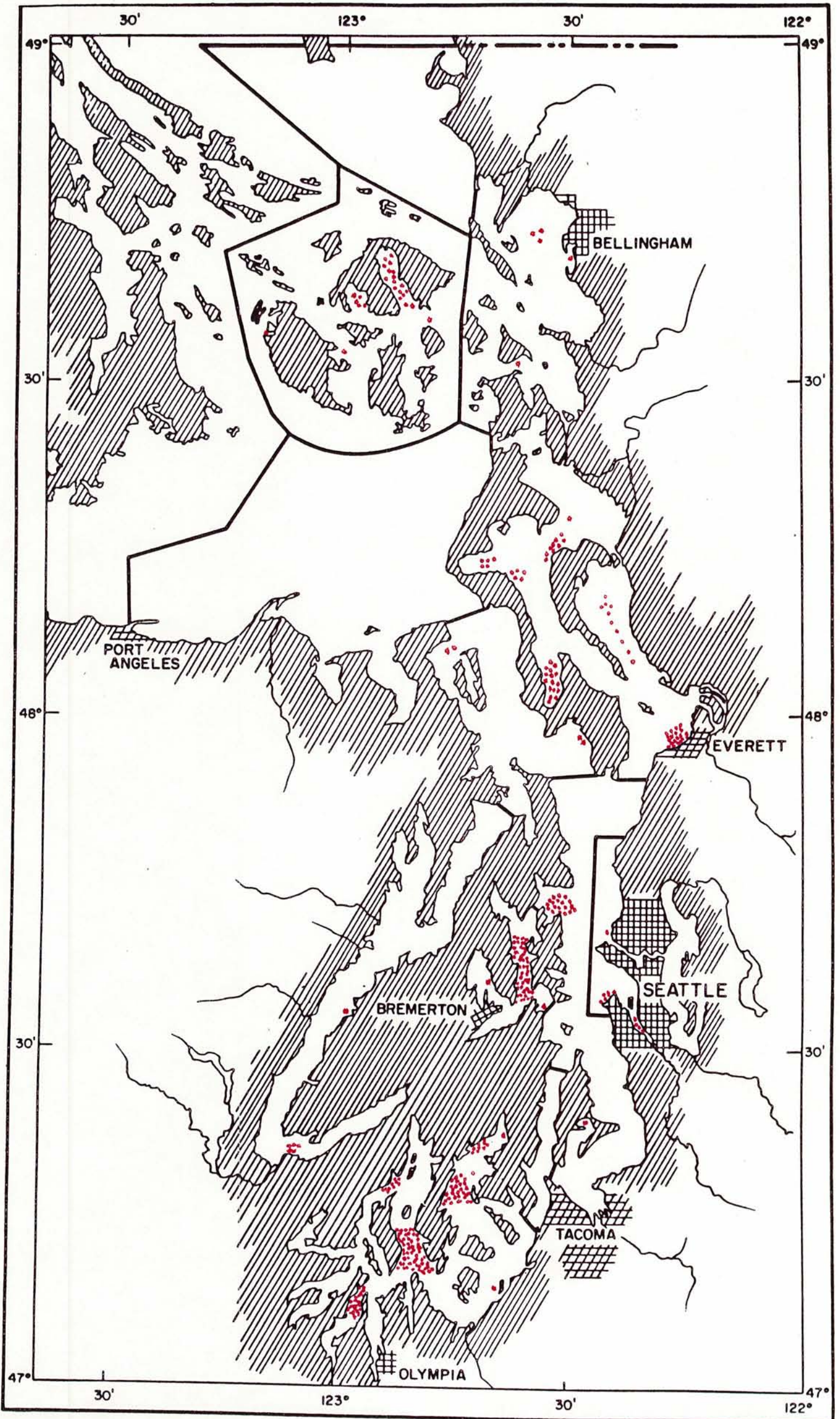
University of Washington Boat Log

- 1-S (beach seine: Golden Gardens):
5116F.
1-S (off Golden Gardens): 5127C.
1-CS (trap: Port Madison): 6213.
1-HC (Dabob Bay, Broad Spit to Long
Spit): 6629G.

Miscellaneous Logs

- 2-SJ (San Juan County Park):
Bill High, personal
communication, 12/30/66.
10+-S (Golden Gardens): Bill High,
personal communication, 12/30/66.
10+-S (Edmonds): Bill High,
personal communication, 12/30/66.
2-S (Golden Gardens to Meadow
Point):
U.W. Ocean., Hoh, 1963-68.
2-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
1-HC (Big Beef Harbor): NIH, 69042.
4-HC (off Union):
Sea Grant, 1973-74.
1-HC (off Skokomish River delta):
Sea Grant, 1973.
2-HC (Point Whitney): Alvin Seda,
personal communication, 1955.
1-SS (Case Inlet, off Taylor Bay to
off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
1-CS (Port Madison):
Van Cleve, trap, 1961-65.
1-S (off Edmonds):
Van Cleve, trap, 1961-65.

- 1-JF (beach seine: Port Angeles
embayment):
Peninsula College, 1971.
1-SJ (Brown Island):
Bruce Miller, Diving Log, 6/63.
1-S (Edmonds ferry): Bruce Miller,
Diving Log, 10/11/64.
1-SJ (Limestone Point): Bruce
Miller, Diving Log, 7/23/66.
1-SJ (southeast shore of East
Sound): Bruce Miller, Diving
Log, 8/18/66.



Lepidogobius lepidus

Gobiidae

Published Records

- 1-PO (Orchard Point):
Jordan and Starks, 1896.
1-HC (Holly):
Schultz and DeLacy, 1935-36.
1-AI (Useless Bay):
Schultz and DeLacy, 1935-36.
4-S (Duwamish River estuary):
Salo, 1969.
1-S (Duwamish Head): Salo, 1969.
2-E (Port Gardner Bay): Salo, 1969.
1-E (Skagit Bay): Salo, 1969.

University of Washington
Museum Collection

- 1-B (Boat Harbor, Guemes Island):
1313.
2-SJ (West Sound): 2232; 2970.
3-SJ (East Sound):
2289; 13888 (also Friday Harbor
Log, 8/11/52); 19457.
1-AI (Useless Bay): 2875.
1-SJ (north part of East Sound):
5756.
2-PO (off Fletcher Bay):
16531 (also boat 6205D3); 16808
(also boat 6201I).
1-B (Chuckanut Bay): 18287.
1-SJ (Peavine Pass.): 2977.
1-SJ (off Brown Island): 2994.
1-SJ (East Sound, south of Rosario
Point):
19556 (also NIH, 1964-66).

Friday Harbor Laboratory Log

- 4-SJ (East Sound): 7/17/50-2;
8/11/52; 7/26/60-1; 6/20/61.
2-SJ (lower East Sound):
8/22/55-5,6.
1-SJ (West Sound): 6/26/61.
2-SJ (mid East Sound):
8/22/55-7; 6/20/69-1.
1-SJ (Mitchell Bay): 7/17/61-2.

University of Washington Boat Log

- 1-SJ (West Sound): 5033L.
1-E (Holmes Harbor): 5325B.
1-E (off Snetelsum Point): 5418H.
1-E (trap: Holmes Harbor): 6117B.
4-PO (trap: off Fletcher Bay):
6204A; 6203B,C,D.
1-PO (beach seine: 1 mile north of
Illahee dock): 6205A3.2.
1-CS (head of Quartermaster Harbor):
5042B.
8-SS (off Minter Creek to Elgin):
7/19/49-1; 5037H; 5045G,J; 5046C;
5126D,F; 5135A.
1-SS (west of Ketron Island):
5126G.
1-SS (Carr Inlet, off Wauna):
5126L.

- 2-SS (Carr Inlet, off Glenn Cove to
off Raft and Cutts Islands):
5126M; 5037C.
5-SS (trap: Eld Inlet entrance):
6208B; 6217-2,3; 6219-1,2.

Miscellaneous Logs

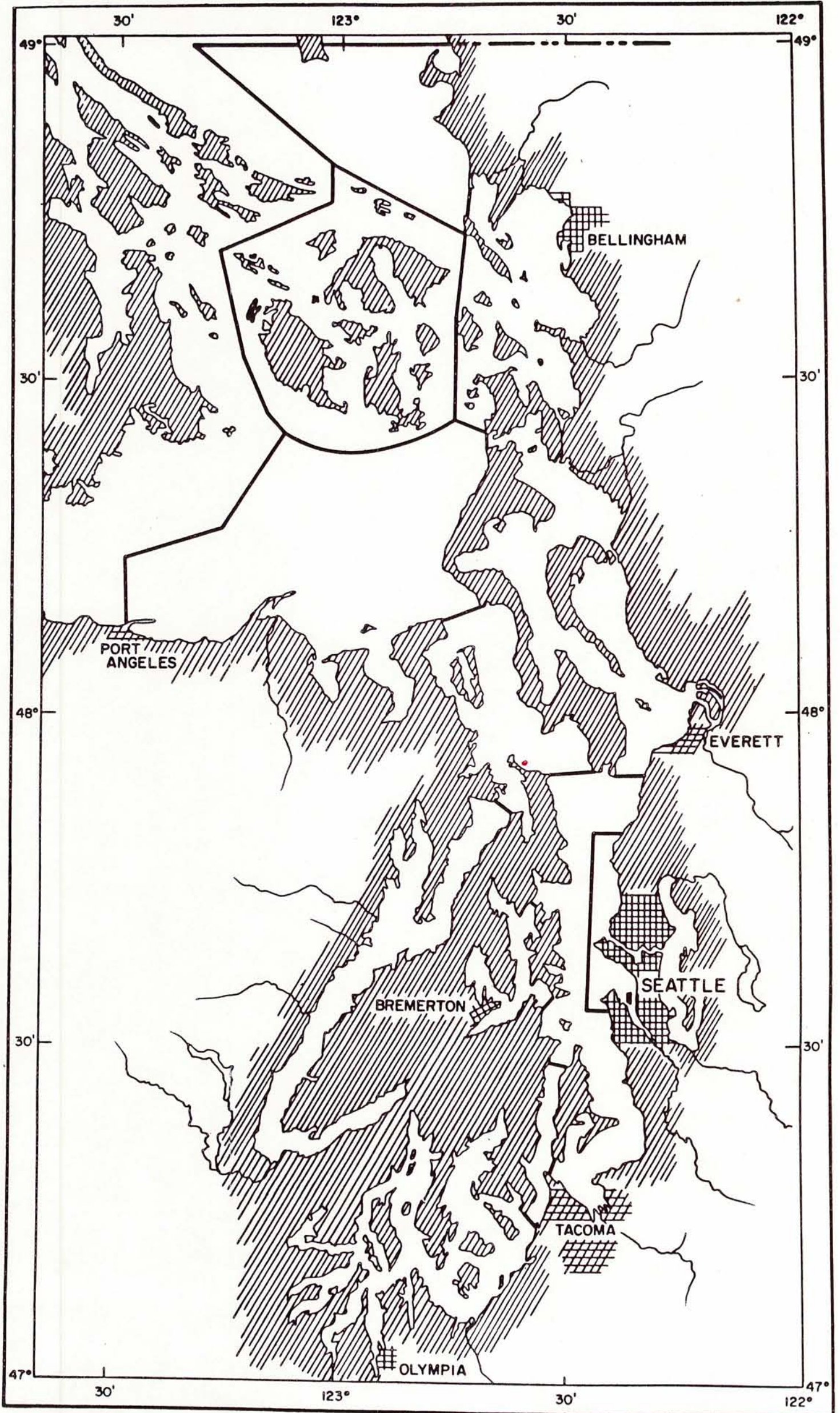
- 5-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
14-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
50+-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
1-S (Golden Gardens to Meadow
Point):
U.W. Ocean., Hoh, 1963-68.
50+-PO (south and north of Fletcher
Bay): U.W. Ocean., Hoh, 1963-67.
42+-SS (Case Inlet, off Taylor Bay
to off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
16+-SS (off Horsehead Bay):
U.W. Ocean., Hoh, 1963-67.
2-E (Port Gardner Bay):
U.W. Ocean., Hoh, 1963-67.
9-E (Port Susan):
U.W. Ocean., Hoh, 1963-67.
2-E (Penn Cove):
U.W. Ocean., Hoh, 1963-67.
8-E (off Rocky Point to off Utsalady
Point):
U.W. Ocean., Hoh, 1963-67.
2-E (Saratoga Pass., Rocky Point):
U.W. Ocean., Hoh, 1963-67.
5-E (Holmes Harbor):
U.W. Ocean., Hoh, 1963-67.
2-AI (Port Townsend Bay):
U.W. Ocean., Hoh, S.J., 1966.
3-E (Penn Cove):
U.W. Ocean., Hoh, S.J., 1966.
1-E (Port Susan):
U.W. Ocean., Hoh, S.J., 1966.
4-SJ (East Sound, south of Rosario
Point): NIH, 1964-66.
1-SJ (East Sound): NIH, 1968-71.
26-CS (Port Madison):
Van Cleve, trap, 1961-65.
21-PO (off Fletcher Bay):
Van Cleve, trap, 1961-65.
39-SS (Eld Inlet entrance):
Van Cleve, trap, 1961-65.
8-E (Holmes Harbor):
Van Cleve, trap, 1961-65.
4-E (Saratoga Pass, west side just
south of Penn Cove):
Van Cleve, trap, 1961-65.
2-SS (Carr Inlet):
Van Cleve, trap, 1961-65.
2-B (Bellingham Bay, off Nooksack
flats): Sea Grant, 72035.
1-PO (off south of Fletcher Bay):
Sea Grant, 73008.
1-B (Bellingham Bay, off Nooksack
flats): Sea Grant, 73032.

Lepidogobius lepidus

Gobiidae

Miscellaneous Logs

- 1-SS (west side of Dougall Point):
Sea Grant, 1973.
- 8-SS (mid-channel, McLane Cove to
Stretch Island):
Sea Grant, 1973-74.
- 2-HC (off Union): Sea Grant, 1973.
- 3-HC (mid-channel, off Union):
Sea Grant, 1973-74.
- 2-PO (south of Fletcher Bay): U.W.
Ocean., herring trawl, 1968-69.
- 1-SJ (West Sound):
U.W. Ocean., Hoh, S.J., 1966.
- 3-SJ (East Sound):
U.W. Ocean., Hoh, S.J., 1966.
- 3-SS (north end of Pickering Pass.):
Van Cleve, trap, 1961-65.
- 1-PO (beach seine: Dyes Inlet,
Tracyton launch ramp):
Sea Grant, 72018.

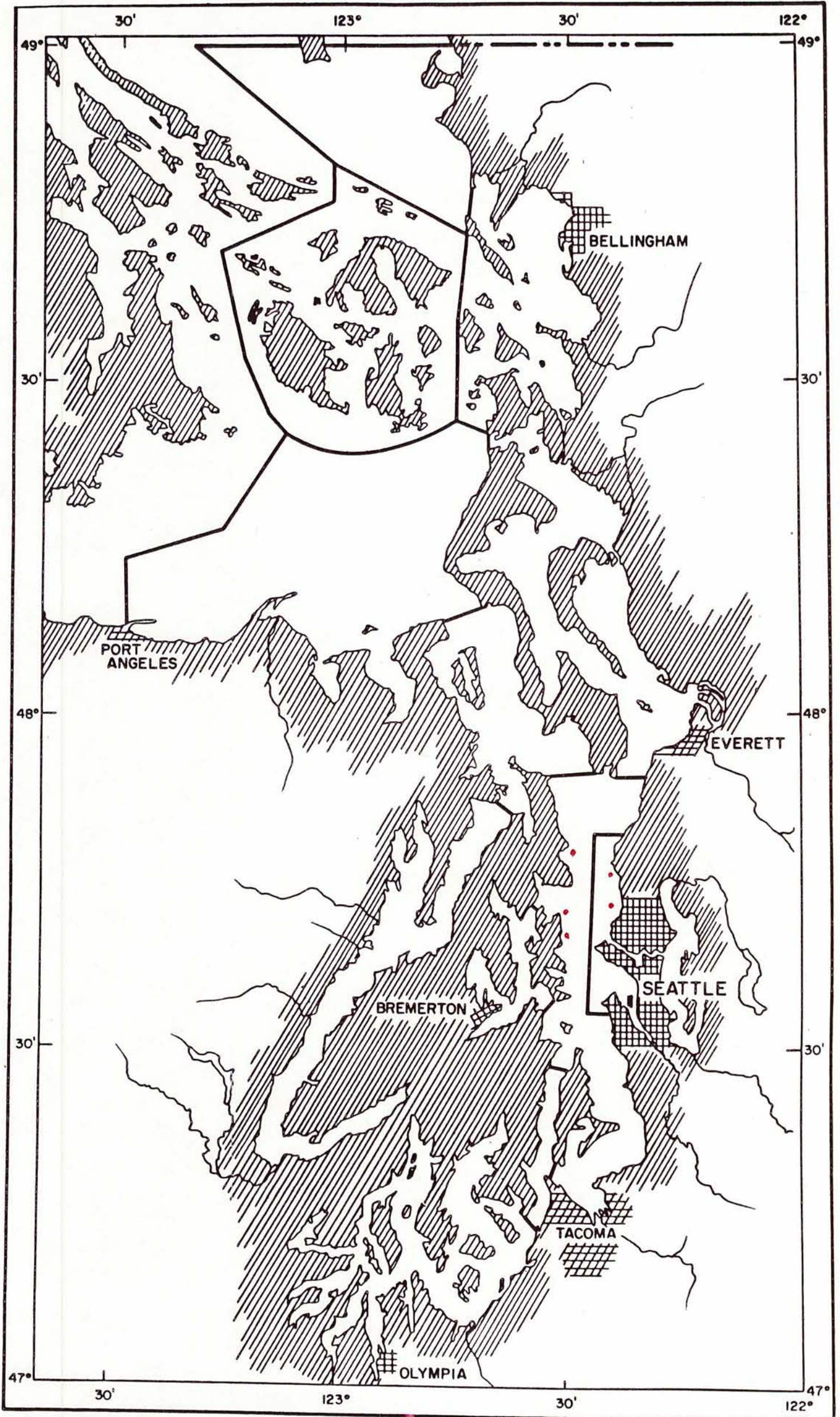


Benthodesmus simonyi

Trichiuridae

University of Washington
Museum Collection

1-AI (Skunk Bay): 10102.



Sarda chiliensis

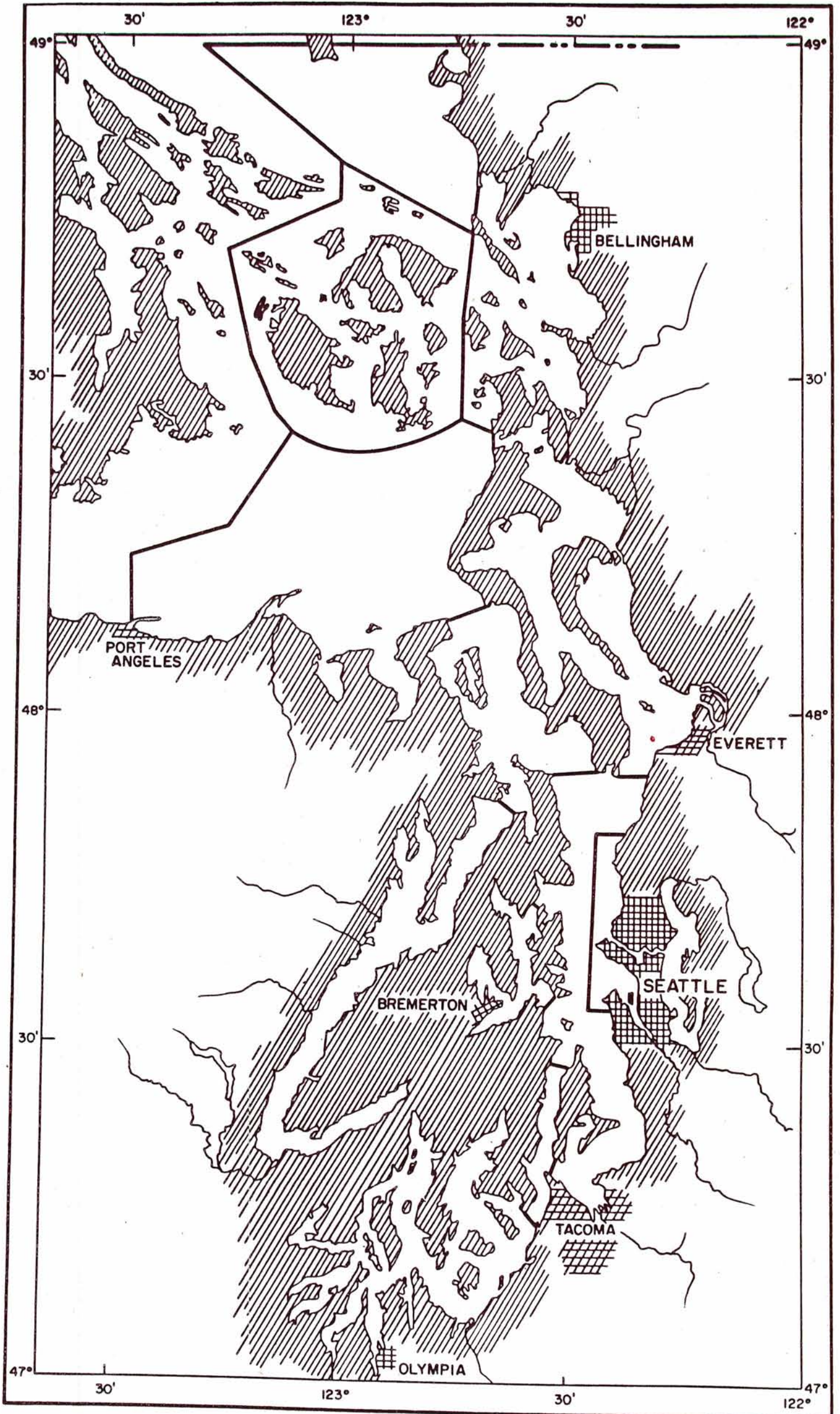
Scombridae

Published Records

- 1-PS: Kincaid, 1919.
1-CS (Rolling Bay): Fisherman's
News, 1963a (also museum 16529).
1-S (Richmond Beach):
Fisherman's News, 1963a.
1-S (Seattle):
Fisherman's News, 1963c.
1-CS (Point Monroe):
Patten, Rodman, and Waldron, 1965
(supposedly also museum 18499).

Miscellaneous Logs

- 1-CS (off Kingston): Ron Bulis,
personal communication, 10/17/72.



Scomber japonicus

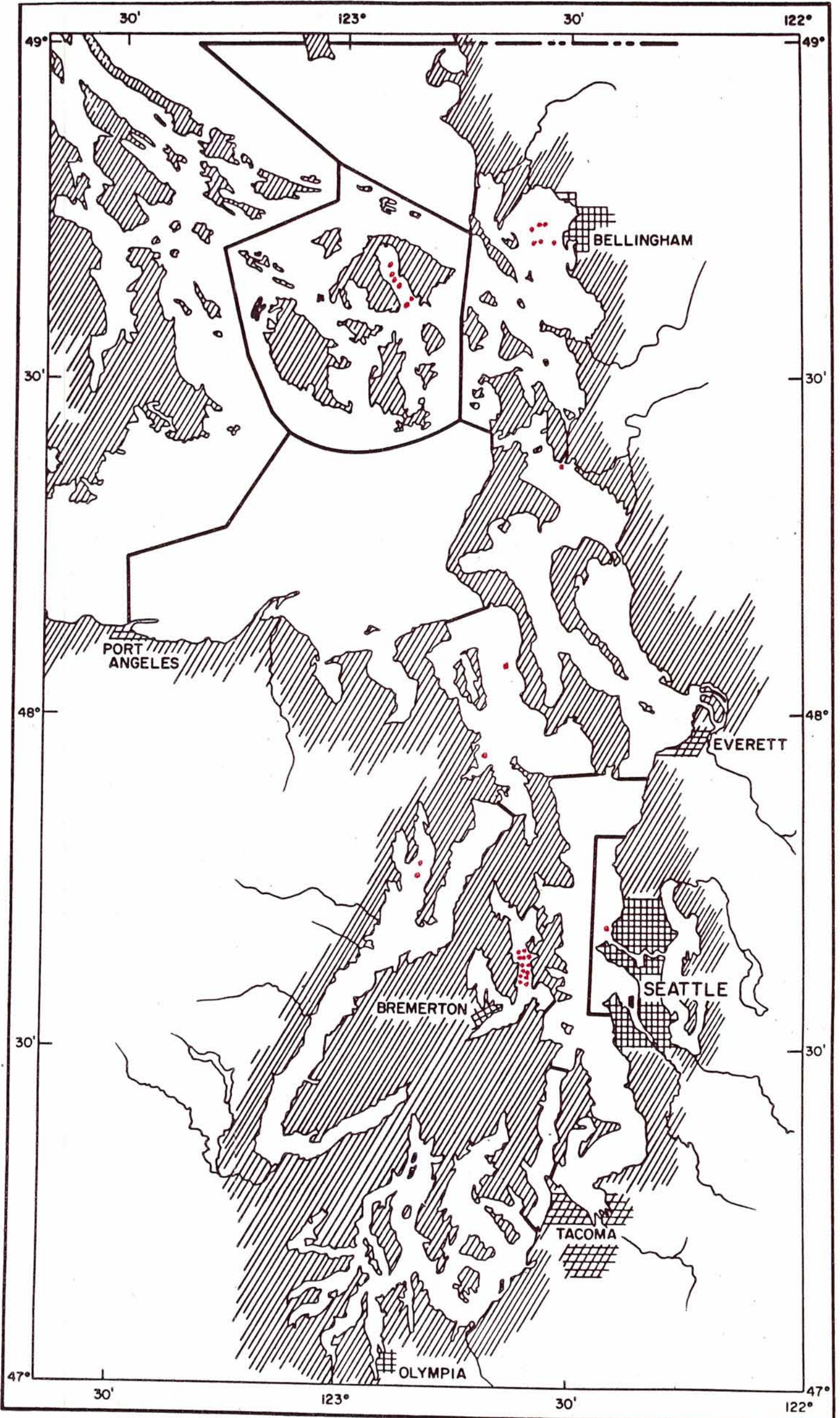
Scombridae

Published Records

1-PS: Kincaid, 1919.

1-E (Everett area):

Fisherman's News, 1963b.



Peprilus simillimus

Stromateidae

Published Records

- 1-AI (Port Ludlow): Starks, 1896b.
 1-PS: Jordan and Gilbert, 1881c.
 1-PS: Kincaid, 1919.
 PS (records from several areas):
 Batts, 1960 (duplicated by
 museum records).

University of Washington
Museum Collection

- 1-E (La Conner fish trap): 14572.
 1-B (Bellingham): 13405.
 5-PO (off Fletcher Bay):
 14655 (also boat 5932B); 14656
 (also boat 5931B); 14700 (also
 boat 6008A); 15974 (also boat
 6201); 17113 (also boat 6406C).
 1-PO (probably off Fletcher Bay):
 14699 (also boat 6007A).
 1-PO (between "B2" and "B1"):
 15121.
 1-SJ (east shore of East Sound):
 16755.
 1-SJ (East Sound entrance):
 17952 (also Friday Harbor Log,
 8/26/63).
 1-SJ (East Sound, off Rosario):
 18210 (also Friday Harbor Log,
 9/10/63).
 1-AI (Lagoon Point): 14621.
 1-HC (Dabob Bay):
 200565 (also boat 7102J or I).

Friday Harbor Laboratory Log

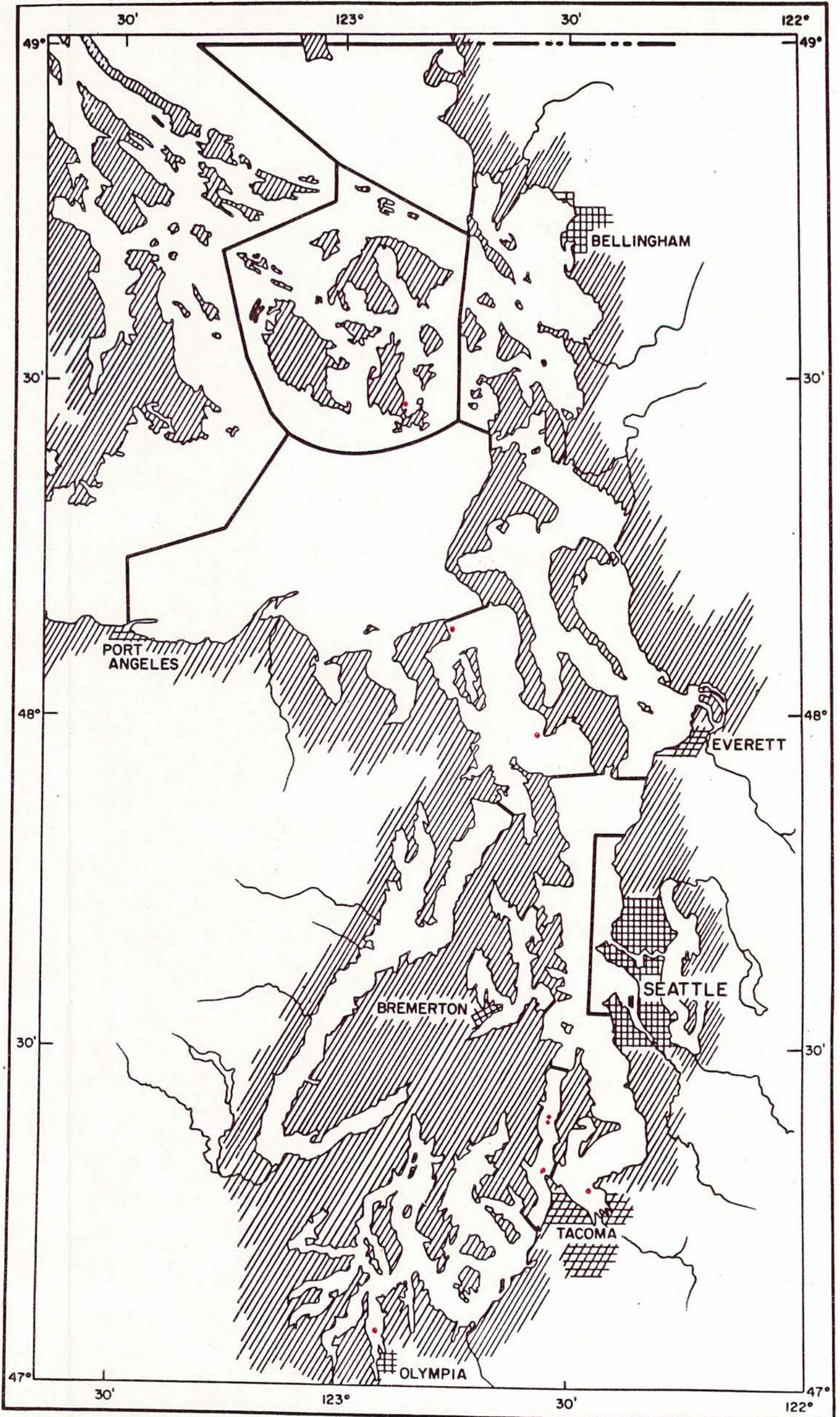
- 1-SJ (mid East Sound): 2/21/64.

University of Washington Boat Log

- 2-PO (probably off Fletcher Bay):
 6012A; 7104-1.
 5-PO (off Fletcher Bay):
 6016B1,B5; 6100; 6101B; 6403AF.
 1-PO (between "B-2" and "B-1"):
 6017G.
 1-S (off Golden Gardens): 6311A.
 1-SJ (training cruise area: East
 Sound, north of Rosario Point):
 6815H.
 1-B (training cruise area:
 Bellingham Bay, southwest of Post
 Point): 73073.
 1-HC (Dabob Bay): 7102B.

Miscellaneous Logs

- 4-B (Bellingham Bay): Bill High,
 personal communication, 12/9/63.
 1-PO (Narrows, south of Fletcher
 Bay): NMFS, Cobb-68.
 1-SJ (East Sound, south of Rosario
 Point): NIH, 1964-66.



Icosteus aenigmaticus

Icosteidae

Published Records

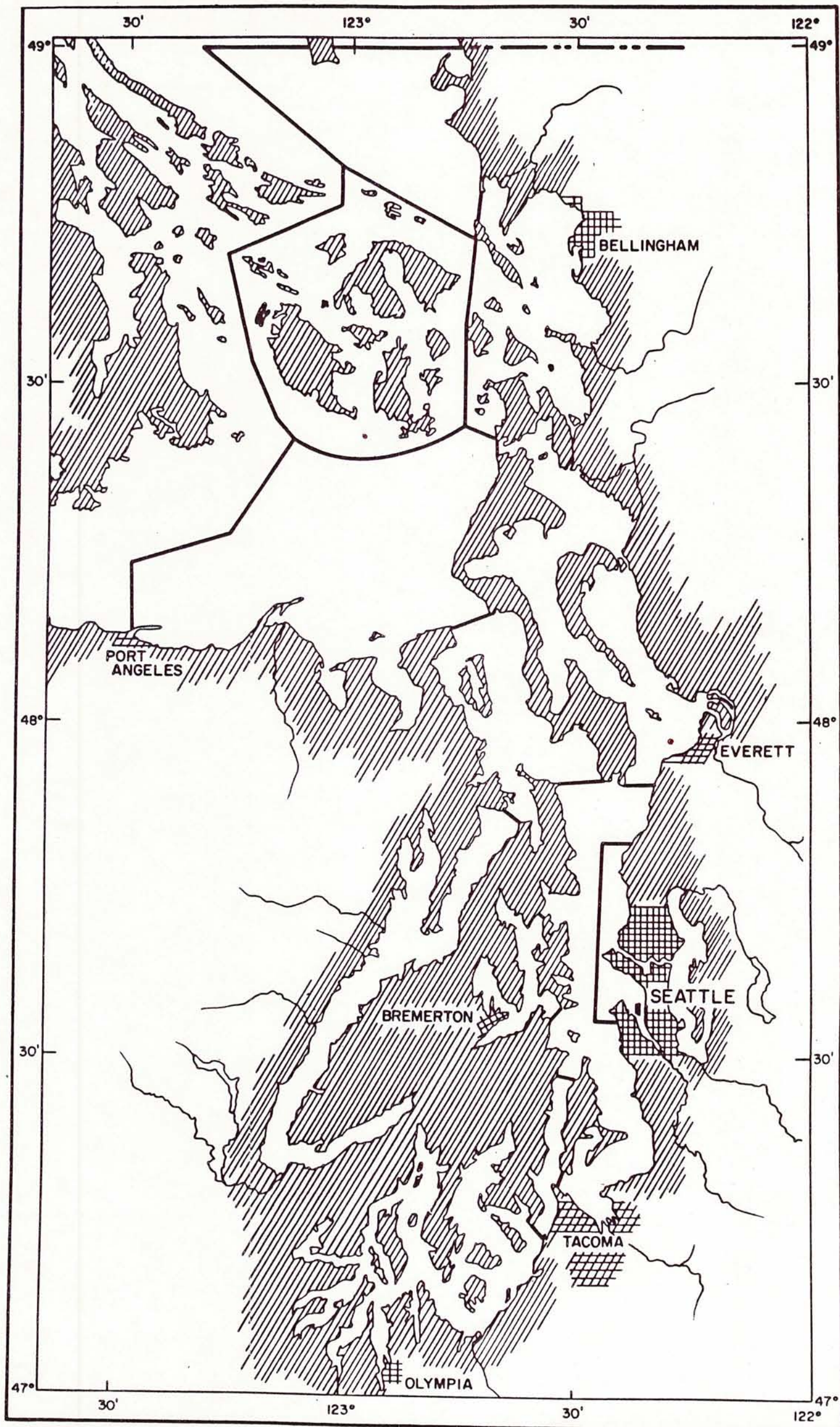
- 1-AI (found on beach near Port Townsend): Bean, 1899.
- 1-PS: Kincaid, 1919.
- 1-CP (Gig Harbor): Crawford, 1927.
- 1-SS (Olympia):
Schultz et al., 1932.

University of Washington
Museum Collection

- 1-AI (fish trap, north side of Double Bluff): 1630.
- 1-SJ (San Juan Island): 3221.
- 1-CP (west side of Vashon Island):
19637 (may be the same as the
miscellaneous Don Smith record).

Miscellaneous Records

- 1-CP (Colvos Pass, west side of Vashon Island):
Don Smith, personal
communication, 11/27-30/66.
- 1-SJ (Hunters Bay): Fred Fischer,
personal communication, 8/17/55.
- 1-CS (Commencement Bay):
John Slipp, personal communication,
6/5/74 (fish caught about
15 years prior).
- 1-CP (Point Defiance):
John Slipp, personal communication,
6/5/74 (fish caught about
15 years prior).



Sebastes aleutianus

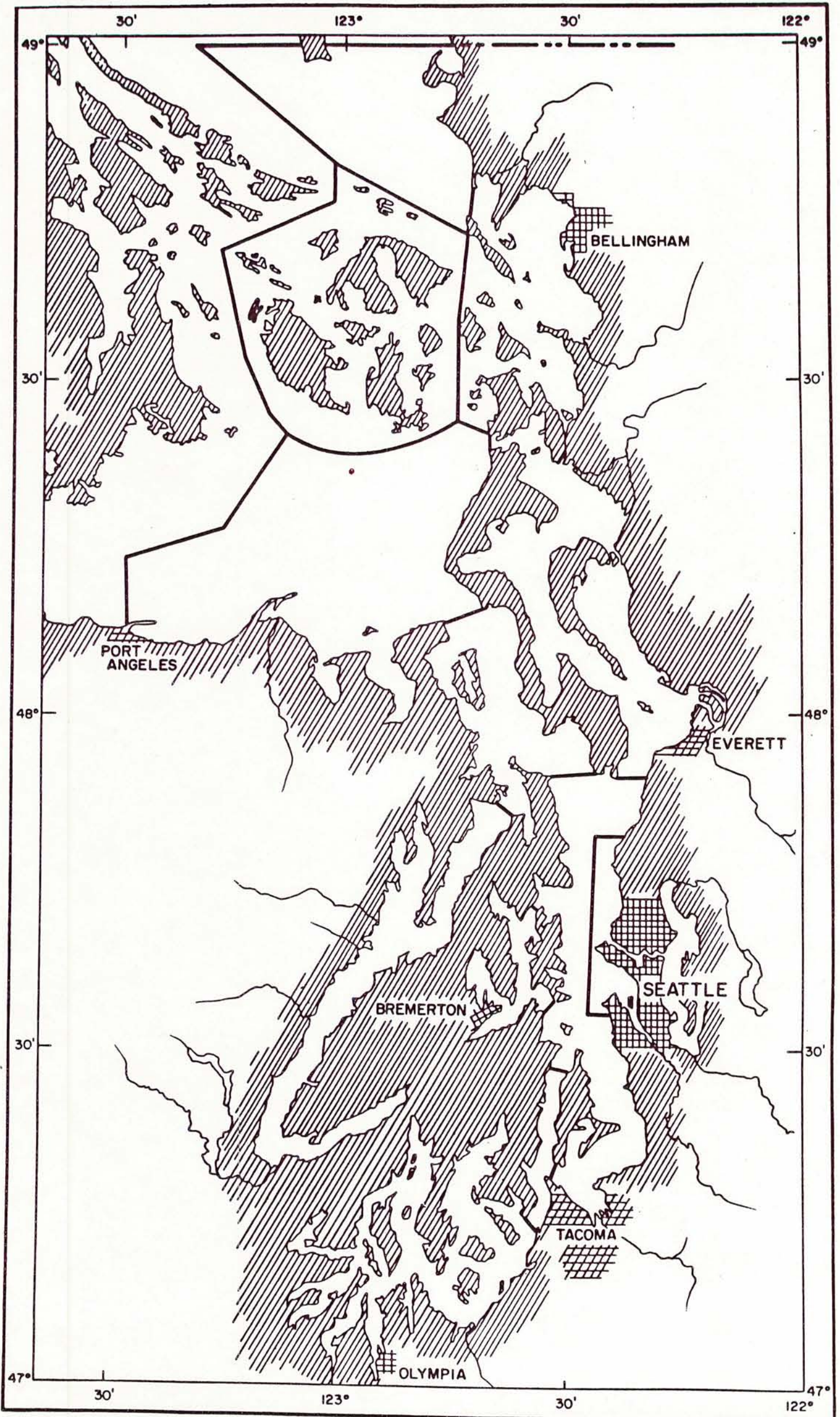
Scorpaenidae

Published Records

- 1-SJ: Starks, 1911.
- 1-PS: Kincaid, 1919.

University of Washington
Museum Collection

- 1-PS: 2735.
- 1-E (off Everett): 3691.

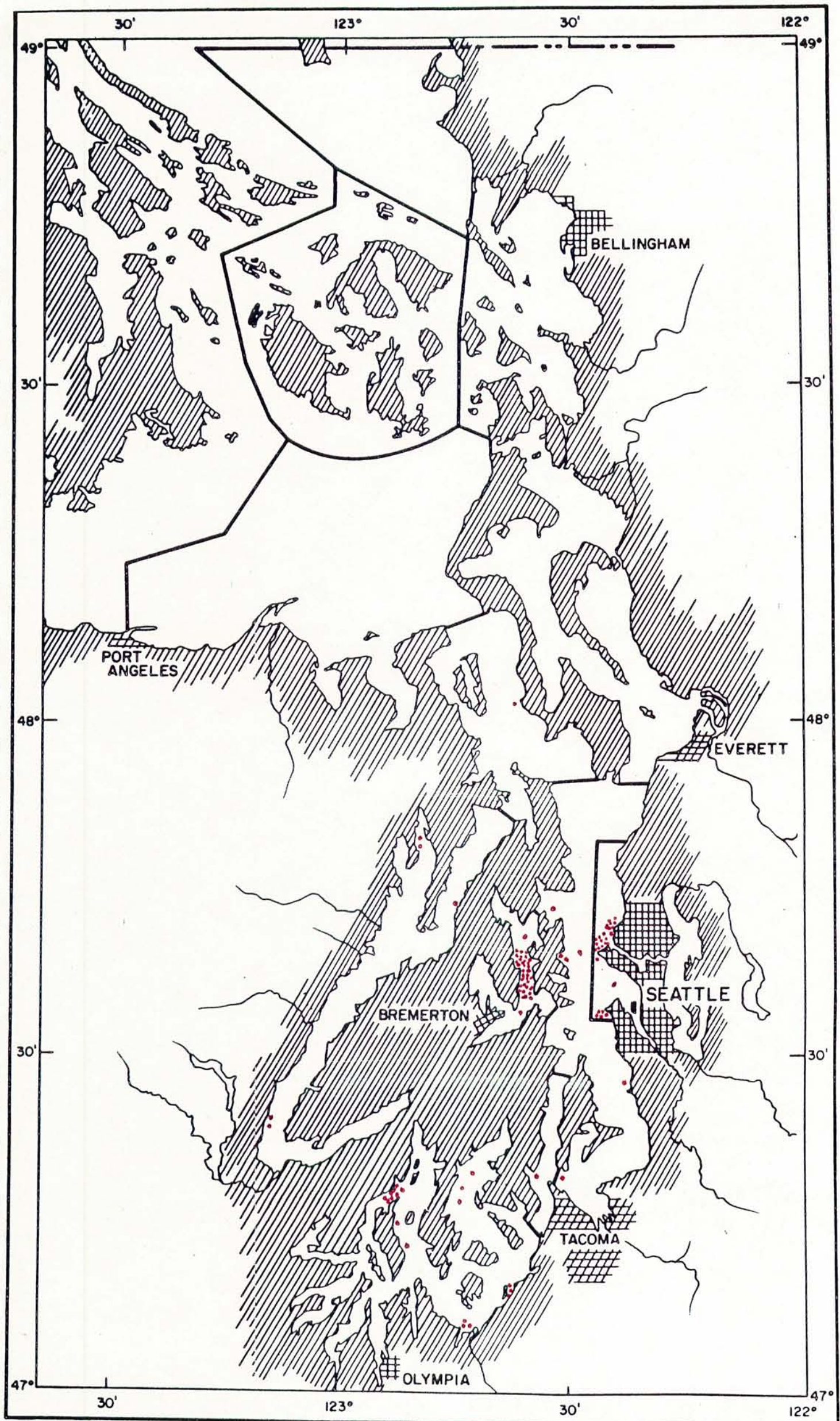


Sebastes alutus

Scorpaenidae

Friday Harbor Laboratory Log

1-JF (west of McArthur Bank):
8/8/60.



Sebastes auriculatus

Scorpaenidae

Published Records

1-PS: Jordan and Starks, 1896.

University of Washington
Museum Collection

1-HC (near Hoodspport): 4539.
1-S (North Beach): 5039.
2-PO (off Fletcher Bay):
10682; 17120 (also boat 6406C).
3-PO (Port Orchard):
15361; 15362; 15363.
1-S (beach seine: Golden Gardens):
15176.
1-S (Ballard blinker light): 4844.

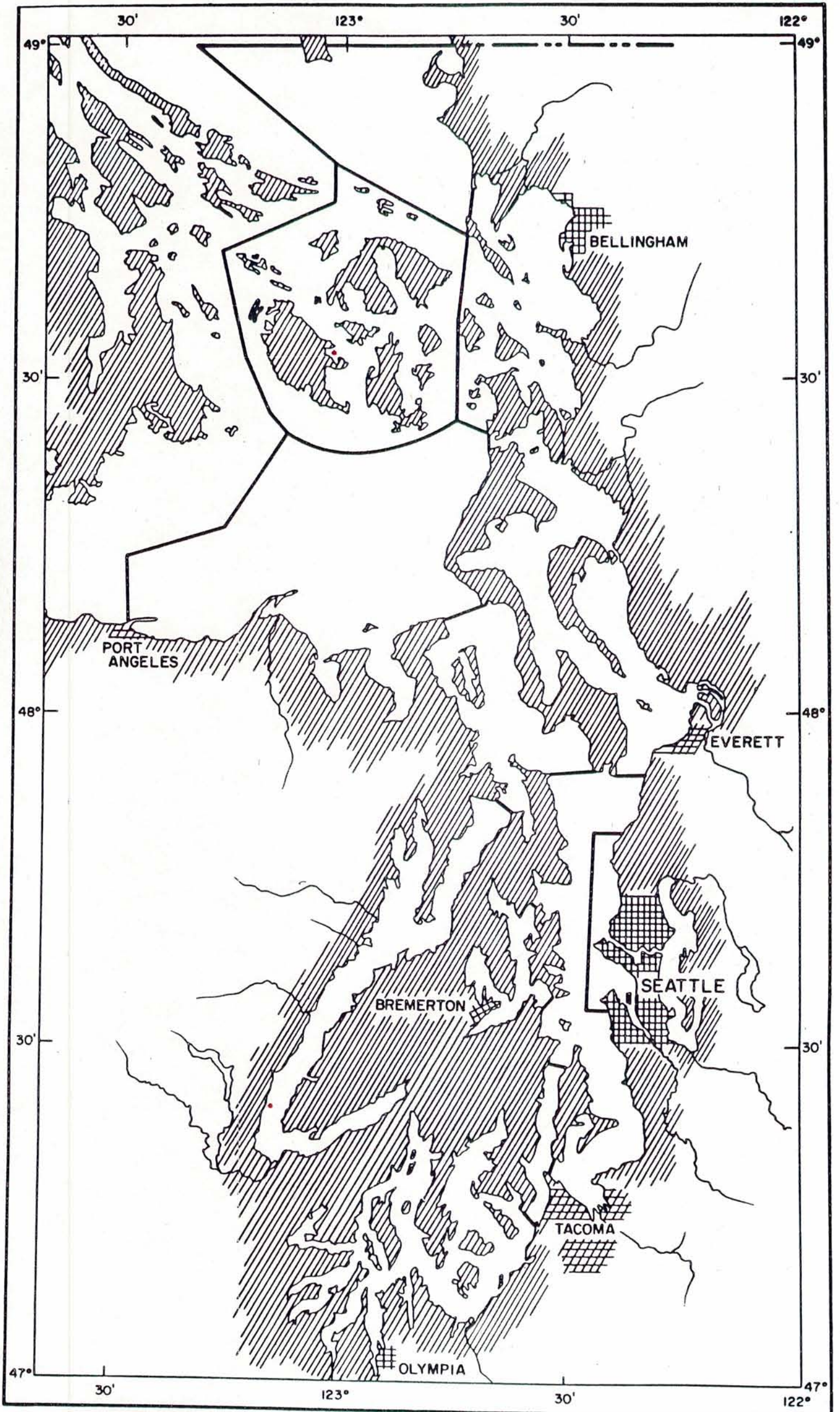
University of Washington Boat Log

24-PO (off Fletcher Bay to south of
Battle Point): 5315B; 5905A;
5906A; 5912A; 5919A,B; 5922A,B;
5923B; 5924B; 5931B; 6003A;
6006A,B; 6008A; 6016A2,B2,B3,B5;
6205D1,D2,D3; 6320A; 6507K.
16-PO (probably off Fletcher Bay):
5926A; 6002A; 6009A; 6713A,B;
6806; 7011A,E; 7104-1,2; 7105-2;
7107A,B; 7302A,B; 7313X.
2-PO (off south of Fletcher Bay):
5926B; 6118A.
2-PO (between "E-2" and "B-1"):
6205C1, C3.
1-PO (Manzanita to Seabold): 6215A.
1-S (off Golden Gardens): 497E.
1-SS (Carr Inlet, mid-channel, Glen
Cove to Raft and Cutts Islands):
5613F.
2-HC (Dabob Bay, Broad Spit to Long
Spit): 6629A,B.
1-SS (Carr Inlet, mid-channel, Glen
Cove to Green Point): 6724B.
1-SS (Case Inlet, east of Hartstene
Island): 6724C.
1-CS (Murden Cove): 6812.
1-CS (training cruise area: mid-
channel, Skiff Point to West
Point): 7118B.
1-CS (off Murden Cove): 4/4/73.

Miscellaneous Logs

1-HC (Hoodspport):
Bill High, Diving, personal
communication, 10/22/63.
1-AI (off Bush Point):
WSDF, Sport Fish., 1965-70.
1-S (Elliott Bay):
WSDF, Sport Fish., 1965-70.
4-HC: WSDF, Sport Fish., 1965-70.
1-SS (Carr Inlet): NMFS, Cobb-75.
1-SS (Case Inlet): NMFS, Cobb-75.
1-SS (off Nisqually River delta):
Sea Grant, 72020.
1-CP (off Gig Harbor spit):
Sea Grant, 72025.
15-S (off northwest side of West
Point): Sea Grant, 1973.

1-S (off southwest side of West
Point): Sea Grant, 1973.
2-S (north of Meadow Point to
Carkeek Park): Sea Grant, 1973.
5-S (southwest of Alki Point):
Sea Grant, 1973.
2-PO (off south of Fletcher Bay):
Sea Grant, 73008.
2-SS (off Nisqually River delta):
Sea Grant, 1973.
2-SS (west side of Dougall Point):
Sea Grant, 1973.
6-SS (mid-channel, McLane Cove to
Stretch Island):
Sea Grant, 1973.
1-HC (Bangor Annex): Kramer, Chin,
and Mayo, NCEL Survey, 1973.
1-CS (Vashon Island, Neill Point to
Point Dalco): Doug Olander,
Sport Catch, 1972-73.
5-S (north of Meadow Point): Doug
Olander, Sport Catch, 1972-73.
3-SS (Cormorant Pass.):
Sea Grant, 1973.
1-CS (Port Madison):
Van Cleve, trap, 1961-65.
1-CS (beach seine: Seahurst County
Park): Sea Grant, 72016.

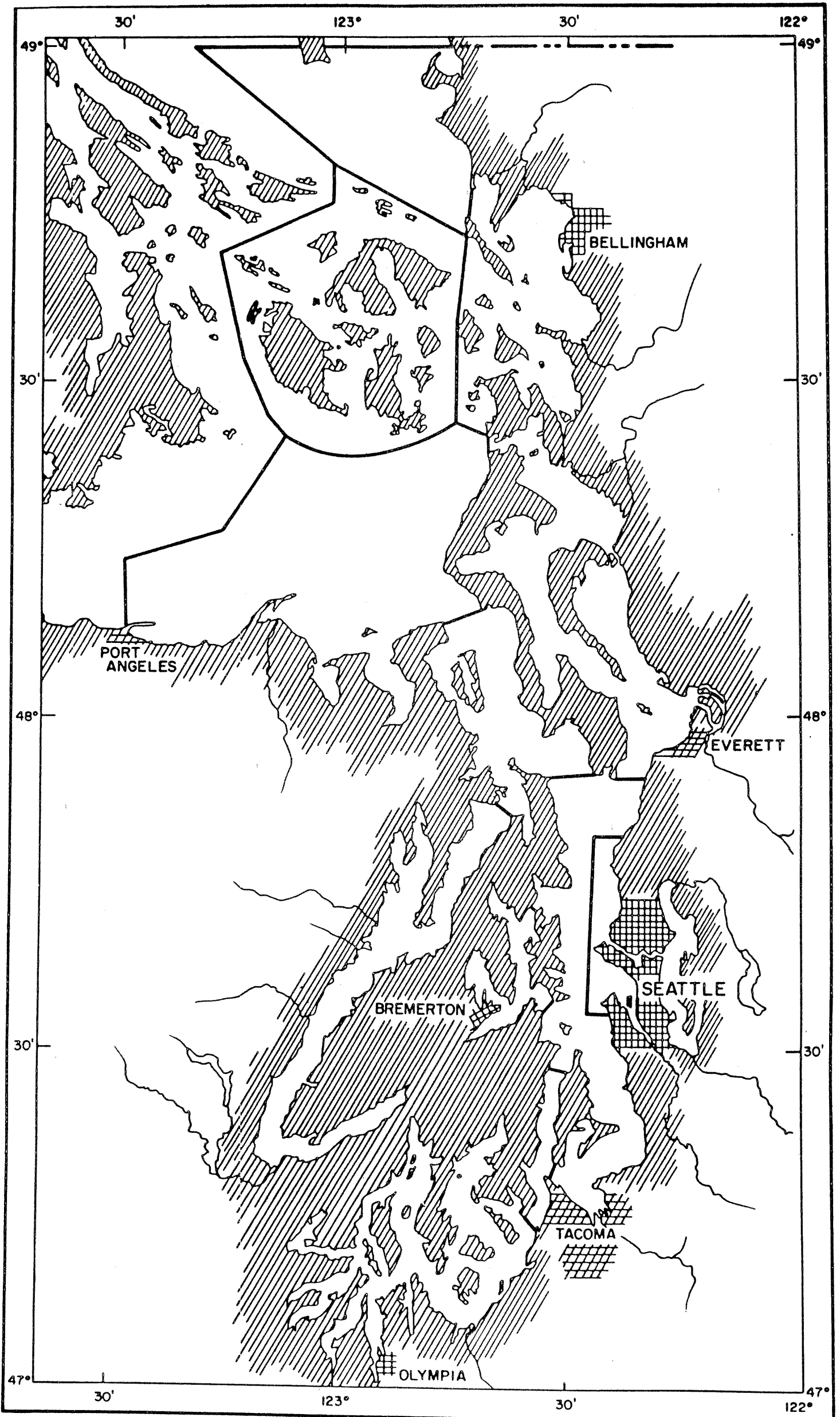


Sebastes babcocki

Scorpaenidae

University of Washington
Museum Collection

1-HC (near Hoodspout): 16013.
1-SJ (Friday Harbor): 16352.

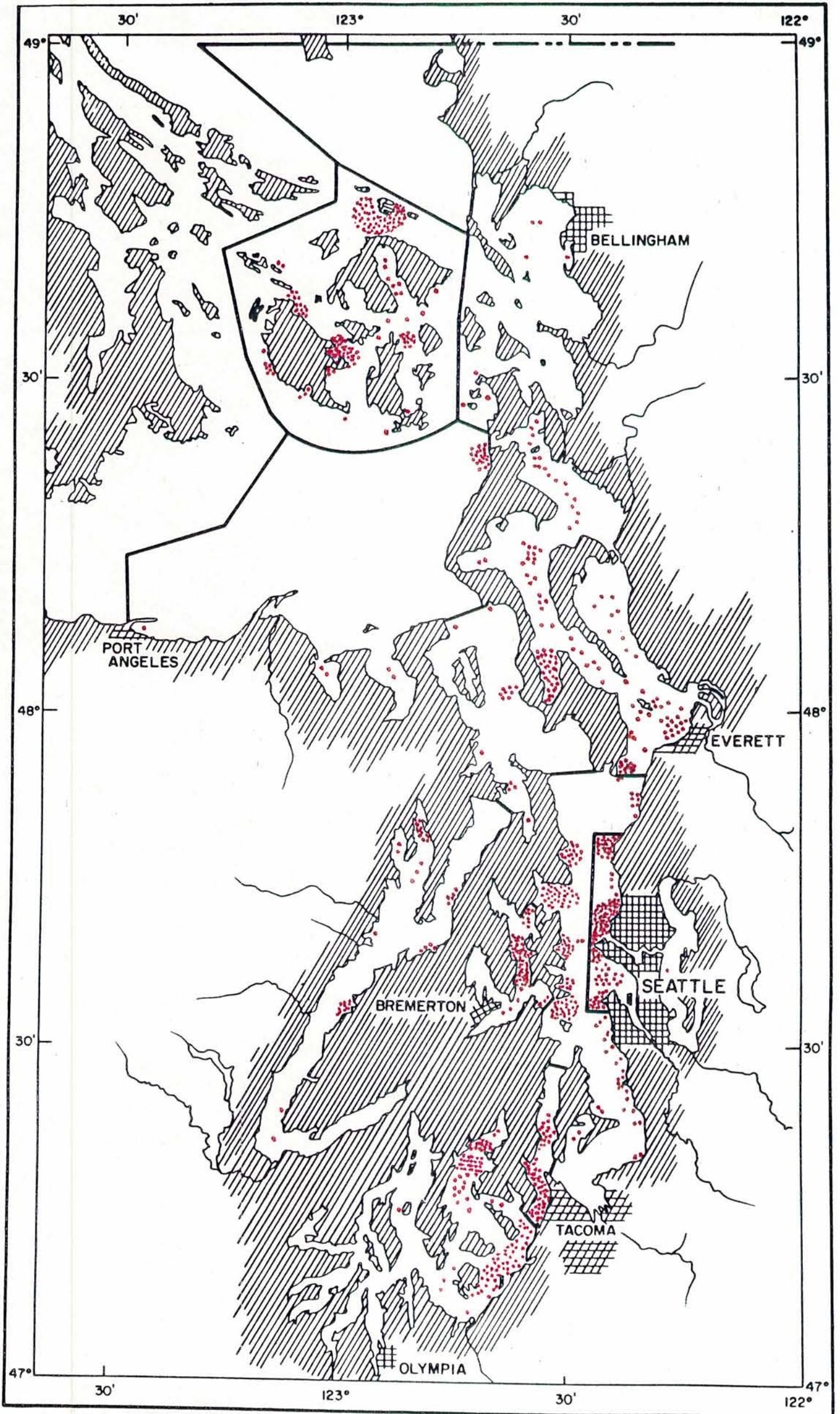


Sebastes brevispinis

Scorpaenidae

Miscellaneous Logs

- 1-SS (Carr Inlet, off north of Home
to between Glen Cove and Minter
Creek, 27-31 fathoms):
WSDF, Groundfish Trawl Log,
11/19/72 (I.D. by Jim Beam).
- 1-SJ (Reid Rock, San Juan Channel):
M. Barker, hook-and-line,
6/22/75.



Sebastes caurinus

Scorpaenidae

Published Records

- 1-AI (Port Ludlow): Starks, 1896b.
 1-S (Seattle):
 Evermann and Goldsborough, 1907.
 1-SJ: Starks, 1911.
 1-SJ: Shelford et al., 1935.
 2-B (Bellingham Bay): Smith, 1936.
 2-E (Coupeville): Smith, 1936.
 2-JF (Sequim Bay; Discovery Bay):
 Smith, 1936 (Discovery Bay record
 is also museum 3878).
 1-AI (Port Townsend): Smith, 1936.
 2-HC (Bangor; Dabob Bay):
 Smith, 1936.
 1-SS (Hale Pass): Smith, 1936.
 4-SS (Carr Inlet; McNeil Island;
 Anderson Island; Dofflemeyer
 Point): Smith, 1937.
 2-CS (Quartermaster Harbor;
 Meadowdale): Smith, 1937.
 2-E (Columbia Beach): Smith, 1937.
 3-E (Camano Head; Langley; Camano):
 Smith, 1937.
 4-E (Gedney Island): Smith, 1937.
 1-HC (Holly): Smith, 1937.
 2-SJ (Upright Channel; Obstruction
 Island): Smith, 1937.
 1-B (Shannon Point, Fidalgo Island):
 Halstead, 1950.
 1-CS (Seahurst County Park):
 Miller, 1971a.
 10+-JF (sport catch):
 Haw and Buckley, 1971.
 10+-SJ (sport catch):
 Haw and Buckley, 1971.
 10+-B (sport catch):
 Haw and Buckley, 1971.
 50+-E (sport catch, Port Gardner,
 Port Susan, and Saratoga Pass.):
 Haw and Buckley, 1971.
 50+-HC (sport catch):
 Haw and Buckley, 1971.
 1-B (beach seine: north of Eliza
 Island area of Bellingham Bay):
 Tyler, 1964.
 50+-CS (sport catch: Seattle to Des
 Moines, especially the south end
 of Bainbridge Island and the
 Kingston breakwater):
 Haw and Buckley, 1971.
 50+-S (sport catch: Shilshole and
 Edmonds breakwaters):
 Haw and Buckley, 1971.
 50+-CP (sport catch: Tacoma
 Narrows): Haw and Buckley, 1971.
 50+-SS (sport catch: Point Fosdick
 to Anderson Island):
 Haw and Buckley, 1971.
 3-HC (Anderson Cove): Chew, 1970.
 1-SJ (Brown Island):
 Kohlruss, 1933.
- University of Washington
Museum Collection
- 8-S (Alki Point): 755; 784; 872;
 1632; 1633; 1922; 2897; 3783.
- 6-SJ (Friday Harbor): 1052; 1054;
 1156; 1287; 1339; 2180.
 4-PS: 1847; 11742; 11765; 15178.
 1-HC (Holly): 1557.
 1-HC (Brinnon): 2731.
 1-SJ (Iceberg Point): 2992.
 1-S (Elliott Bay): 3103.
 1-JF (Sequim Bay): 3806.
 2-S (south of West Point):
 4368; 4407.
 1-HC (Quilcene Bay): 4450; 7248.
 2-E (Saratoga Pass): 4947; 15172.
 1-SS (Drayton Pass.):
 5692 (also boat 7/19/49-2).
 1-CS (off Port Madison):
 5722 (also boat 497B).
 1-HC (opposite Hoodspout): 16343.
 3-CS (Port Madison): 5786 (also
 boat 492B); 6092; 5878.
 1-CP (south of Point Sandford):
 5993.
 1-PO (Agate Pass., buoy N6 to N4):
 6112.
 1-CS (north side of Maury Island):
 6137.
 1-E (Holmes Harbor, off Dines
 Point): 6144.
 1-CS (Indianola): 6184.
 1-HC: 10148.
 1-PO (off Fletcher Bay): 10683.
 1-SJ (north side Johns Island,
 second bay): 11661 (also Friday
 Harbor Log, 8/19/52-2).
 4-PO (Port Orchard):
 15360; 15364; 15365; 15366.
 1-B (Bellingham Bay area, Chuckanut
 Bay): 18282.
 2-SS (northwest end of Nisqually
 Reach):
 5819 (also boat 7/20/49-5); 5827
 (also boat 5009I).
 4-S (off Golden Gardens):
 5985 (also boat 495D); 5967 (also
 boat 5007C); 5858 (also boat
 5034D); 5733.
 5-S (Golden Gardens):
 5947 (also boat 5032.1A); 5653;
 5910; 16735; 16846.
 1-S (beach seine: Alki Point):
 4488.
 1-S (off North Beach): 4662.
 1-S (North Beach): 5028.
 1-S (Ballard Locks): 5021.
 1-S (Richmond Highlands): 5069.
 2-CS (Redondo Beach): 4994; 5079.
 2-S (Edwards Point to Point Wells):
 5072; 5123.
 4-S (Edmonds Beach):
 5447; 5466; 5476; 5644.
 1-S (Carkeek Park beach): 5968.
 1-S (beach seine: Carkeek Park):
 14446.
 3-S (beach seine: Golden Gardens):
 11674 (also boat 5209-D); 14445;
 16341 (also boat 5134A).
 1-S (off Ballard): 14383.

Sebastes caurinus

Scorpaenidae

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1-S (off Duwamish Head to Alki Point): 14674.
 2-S (Shilshole Bay): 15451; 15452.
 1-E (Columbia Beach): 16344.
 1-S (Meadow Point): 17149.
 1-SJ (Limestone Point): 17435 (also Friday Harbor Log, 6/23/63).

Friday Harbor Laboratory Log

1-SJ (Reef Bay, northeast side Johns Island): 7/5/51-1.
 1-SJ (False Bay): 7/13/50-2.
 1-SJ (Salmon Banks): 7/7/52-3.
 17-SJ (Friday Harbor Lab):
 8/2/52; 7/50; 8/9/52; 7/17/60;
 6/16-21/61; 6/24/67-2; 6/29/69;
 7/2/69-1; 7/3/69; 7/15/69-1,5;
 7/16/69-2; 7/20/69; 8/21/69;
 7/21/69-1; 7/22/69-1; 8/13/69-1.
 1-SJ (off Friday Harbor Lab):
 6/24/73.
 1-SJ (off Kanaka Bay): 8/4/52-3.
 3-SJ (Friday Harbor):
 8/60; 8/15-16/52; 6/21/55-1.
 1-SJ (Brown Island): 8/2/55.
 1-SJ (Mud Bay): 8/15/55-3.
 1-SJ (Turn Island): 7/30/61.
 3-SJ (Argyle Bay):
 7/15/63; 8/16/55-2,3.
 1-SJ (outside False Bay):
 8/17/55-2.
 1-SJ (Smallpox Bay): 7/13/61.
 1-SJ (East Sound-Lopez Sound):
 7/11/63.
 1-SJ (mid East Sound): 11/17/64.
 1-SJ (Upright Head to Foster Point):
 6/26/73-2.

University of Washington Boat Log

1-E (Port Susan, off Spee-Bi-Dah):
 5023D.
 13-E (Holmes Harbor, Rocky Point to Dines Point):
 5220D,0; 5234A; 5237E,F; 5307C,D,
 K,L,R,S; 5312H,I.
 3-E (Holmes Harbor, Dines Point to Classic): 5234D; 5316C; 5501D.
 5-E (Holmes Harbor, south of Classic):
 5234F; 5307N,0; 5312B; 5316E.
 4-E (Holmes Harbor):
 5305I,J; 5325B,C.
 2-E (Saratoga Pass., Onamac Point to Indian Beach): 5405L; 5418K.
 1-E (Saratoga Pass., off North Bluff to off Greenbank): 5418N.
 1-E (off Mukilteo): 5613N.
 1-E (Saratoga Pass., off Snatelum Point to Onamac Point): 5712C.
 4-E (training cruise area: east of Gedney Island):
 6614C; 6717C; 7010C; 7313C.

1-E (Saratoga Pass.): 6801.5.
 6-E (training cruise area: off Penn Cove): 6614E; 6620E; 6617E;
 7010E; 7017E; 7110E.
 14-HC (Dabob Bay, Broad Spit to Long Spit): 6503A,B,C,D,E,F,G,H;
 6629D,E; 6724A; 7202E,I,J.
 2-HC (Dabob Bay): 7102E,K.
 2-HC (Anderson Cove): 7009B,D.
 6-CS (Port Madison): 492A; 5122B;
 5131B; 6203A; 6204B; 7011C.
 2-CS (off Port Madison): 5043B,C.
 1-CS (mid Quartermaster Harbor):
 5042D.
 1-CS (training cruise area: mid West Point to Skiff Point): 6614B.
 4-PO (off south of Fletcher Bay):
 5801A,B; 5926B; 6118A.
 21-CS (Murden Cove):
 6610A,B,C,D; 6612A; 6613A,B;
 6616; 6713C; 6809A; 6812B,C;
 6818C; 6819X; 6912; 7108A,B,C,D;
 4/4/73B; 7308A.
 4-PO (Agate Pass., buoy N6 to N4):
 5006A; 5048A; 5106E; 6617B.
 1-PO (Agate Pass.): 5011C.
 33-PO (off Fletcher Bay to south of Battle Point and Brownsville):
 5207D,E; 5228F; 5315B; 5809A;
 5901AK; 5904A,B,C; 5905A; 5906A;
 5912A; 5919A,B; 5922A,B; 5923B;
 5924B; 5931B; 6003A; 6006A,B;
 6008A; 6016A1,A3,B3,B5; 6205D2;
 5317B; 6320A; 6403AF; 6507K;
 5223B.
 3-PO (between "B-2" and "B-1"):
 6205C1,C2,C3.
 1-PO (Manzanita to Seabold): 6215B.
 1-PO (off Seabold Wharf): 6617A.
 21-PO (most off Fletcher Bay):
 5926A; 6002A; 6009A; 6012C; 6214;
 6419; 6515-2; 6713A,E; 6715;
 6916H; 7011A; 7104-1,2; 7105-1,2;
 7020; 7107A,B; 7302A,B.
 1-PO (Agate Pass., north of Buoy N4): 6012D.
 1-PO (beach seine: 1 mile north of Illahee dock): 6205A1.1.
 39-S (off Golden Gardens to Meadow Point): 496A,C; 498A; 5008B,C;
 5014C; 5017C,D; 5028A,B,C; 5029A,
 B,D,E; 5033A; 5034B; 5039D;
 5110B,F; 5112C; 5119C,D,H; 5127B;
 5131C; 5132B; 5203D; 5907C,D;
 6018A; 6112B; 6114A; 6206A,B;
 6311A,F; 6414A; 6510C.
 18-S (beach seine: Golden Gardens to Meadow Point):
 5012B; 5019B; 5040A; 5047A;
 5112F; 5116E; 5121B; 5129B; 6211;
 4-6310; 6311B; 3-6417; 6513A.
 1-S (off Alki Point to Duwamish Head): 5027B.
 1-S (off 4-Mile Rock to Pier 91):
 5027C.

Sebastes caurinus

Scorpaenidae

University of Washington Boat Log

- 1-S (south of West Point to off 4-Mile Rock): 5027D.
- 13-S (off Meadow Point to Carkeek Park): 5119A,B; 5203A; 5212A,C, D,F; 5915C,D; 6414B,C,D; 6510B.
- 1-S (north of Carkeek Park): 6414E.
- 1-S (Meadow Point to Richmond Beach): 6429A.
- 3-S (off West Point sewer outfall): 6718-3,4,6.
- 1-S (Carkeek Park to Richmond Beach): 6719D.
- 3-CP (off Camp Sealth): 5009E,F; 5104DD.
- 1-CP (Paradise Cove to Point Sandford): 5126N.
- 2-SS (west of Herron Island, Case Inlet): 5009G; 5126H.
- 1-SS (east side of Cutts Island): 5037F.
- 1-SS (Hale Pass., Arletta to Cromwell): 5046B.
- 24-SS (off Glen Cove to off Raft and Cutts Islands, Carr Inlet): 5037G; 5045B,H,K; 5101B; 5102A,B; 5104L,M,N,O,F,Y,Z,AA; 5115F; 5126M; 5204A,B; 5227B; 5613D,F,G; 5037C.
- 12-SS (Carr Inlet, off Minter Creek to Elgin): 5045EE; 5101C; 5104D,I,V; 5126D, F; 5135C,D; 5213F; 5227D,E.
- 2-SS (Carr Inlet, off Wauna): 5104E,G.
- 1-SS (off north of Home to off Horsehead Bay spit): 5104R.
- 1-SS (mouth of Carr Inlet, southwest of Green Point): 5104T.
- 2-SS (Carr Inlet): 5522B; 5703C.
- 2-SS (Carr Inlet, mid-channel, Glen Cove to Green Point): 6724B-1,3.
- 1-B (Burrows Bay): 5033S.
- 1-CS (Murden Cove): 7008A.
- 1-CS (off West Point): 7017Y.
- 10+-SS: WSDF, Sport Fish., 1965-70.
- 1-SJ: WSDF, Sport Fish., 1965-70.
- 11+-HC: WSDF, Sport Fish., 1968.
- 1-JF (Discovery Bay): WSDF, commercial catch comp., 1966-70.
- 50+-SJ (Sucia Island): Allyn Johnson, personal communication, 1972.
- 1-SS (Carr Inlet): NMFS, Cobb-68.
- 1-E (Holmes Harbor): NMFS, Cobb-68.
- 4-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
- 4-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
- 2-HC (Big Beef Harbor): NIH, 69042.
- 24-CS (Port Madison): Van Cleve, trap, 1961-65.
- 1-PO (off Fletcher Bay): Van Cleve, trap, 1961-65.
- 1-JF (beach seine: Port Angeles embayment): Peninsula College, 1971.
- 1-CS (Point Pully): Bruce Miller, Diving Log, 9/13/64.
- 2-SJ (East Sound): Bruce Miller, Diving Log, 10/18/64; 2/10/66.
- 14-SJ (Friday Harbor): Bruce Miller, Diving Log, 7/12/65; 8/2/65; 8/21/65; 9/5/65; 9/10/65; 1/24/66; 2/26/66; 3/12/66; 3/25/66; 4/5/66; 4/25/66; 6/18/66; 6/20/66; 7/22/66.
- 4-SJ (Limestone Point): Bruce Miller, Diving Log, 9/6/65; 7/23/66; 7/30/66; 4/27/66.
- 1-SJ (west-central side of San Juan Island): Bruce Miller, Diving Log, 3/27/66.
- 1-SJ (Edwards Reef, west-central San Juan Island): Bruce Miller, Diving Log, 8/16/66.
- 3-CS (Point Pully): Bruce Miller, Diving Log, 2/3/67; 3/17/67; 5/10/68.
- 2-CS (Port Blakely): Bruce Miller, Diving Log, 5/24/68; 7/12/68.
- 1-CS (Tramp Harbor, Standard Oil dock): Bruce Miller, Diving Log, 5/31/68.
- 2-PO (Fletcher Bay): 6/25/69-1,2.
- 2-PO (Port Orchard rocks): Bruce Miller, Diving Log, 6/25/69; 9/11/70.
- 2-PO (Clam Bay): Bruce Miller, Diving Log, 6/12/70; 7/1/70.
- 2-CP (off Gig Harbor spit): Sea Grant, 72003 (also boat 7208).
- 4-CP (Gig Harbor): Sea Grant, 72003 (also boat 7208).
- 1-SS (off Nisqually flats): Sea Grant, 72020.
- 1-E (east and northeast of Gedney Island): NMFS, Streeter, 2/21/73.
- 6-S (off northwest side of West Point): Sea Grant, 1973.

Miscellaneous Logs

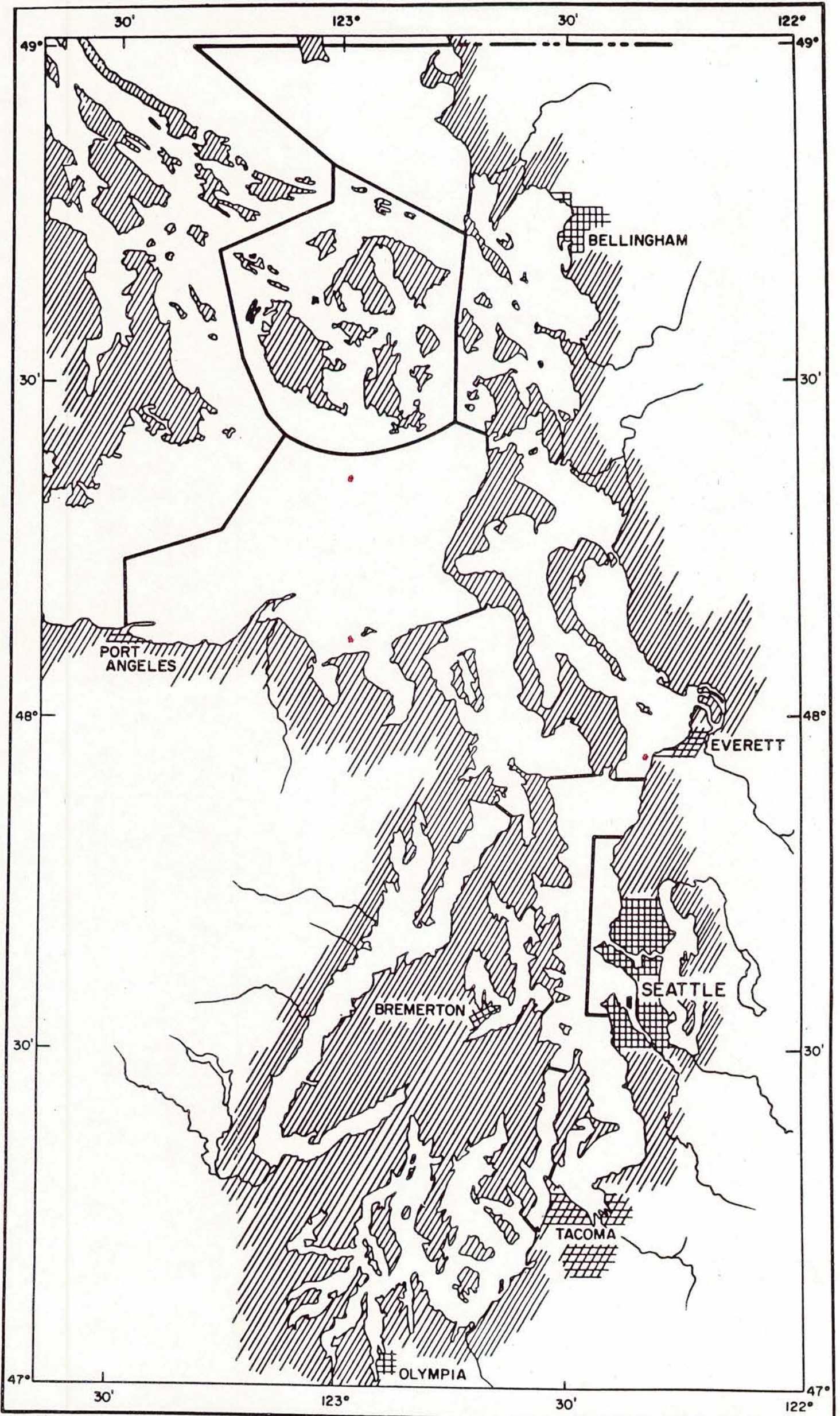
- 1-AI (Port Gamble): Bill High, Diving, personal communication, 10/22/63.
- 1-HC: Bill High, Diving, personal communication, 10/22/63.
- 1-AI (Keystone ferry): Bill High, Diving, personal communication, 12/30/66.
- 18+-JF (off West Beach): WSDF, Sport Fish., 1965-70.
- 10+-E (Skagit and Similk Bays): WSDF, Sport Fish., 1968-69.
- 9-E (Everett): WSDF, Sport Fish., 1965-70.
- 8-AI (off Bush Point): WSDF, Sport Fish., 1965-70.
- 11+-S (Elliott Bay): WSDF, Sport Fish., 1965-70.

Sebastes caurinus

Scorpaenidae

Miscellaneous Logs

- 11-S (off southwest side of West Point): Sea Grant, 1973.
- 7-S (deep otter trawl: off West Point): Sea Grant, 1973.
- 3-S (southwest of Alki Point): Sea Grant, 1973.
- 6-S (deep otter trawl: off southwest of Alki Point): Sea Grant, 1973.
- 5-S (Edmonds wreck): L. Moulton, personal communication, Sport Catch, 6/25/73.
- 1-HC (mid-channel, off Skokomish River delta): Sea Grant, 1973.
- 4-HC (Bangor Annex): Kramer, Chin, and Mayo, NCEL Survey, 1973.
- 6-CS (Picnic Point to Norma Beach): Doug Olander, Sport Catch, 1972-73.
- 12-CP (off Point Richmond): Doug Olander, Sport Catch, 1972-73.
- 5-CS (Port Madison): Doug Olander, Sport Catch, 1972-73.
- 2-S (south side of West Point): Doug Olander, Sport Catch, 1972-73.
- 13-E (east of Possession Point): Doug Olander, Sport Catch, 1972-73.
- 12-SJ (Lopez Sound, north of Flower Island): Doug Olander, Sport Catch, 1972-73.
- 3-AI (Point Hannon to Hood Head): Doug Olander, Sport Catch, 1972-73.
- 39-CS (south end of Bainbridge Island, southeast of Orchard Rocks): Doug Olander, Sport Catch, 1972-73.
- 1-SJ (Doe Bay): Doug Olander, Sport Catch, 1972-73.
- 6-CS (near Blakely Rock): Doug Olander, Sport Catch, 1972-73.
- 7-CS (in Appletree Cove): Doug Olander, Sport Catch, 1972-73.
- 4-S (wreck, north of Meadow Point): Doug Olander, Sport Catch, 1972-73.
- 14-S (Edmonds breakwater): Doug Olander, Sport Catch, 1972-73.
- 14-SJ (near Turn Island): Doug Olander, Sport Catch, 1972-73.
- 5-SJ (near Deadman Bay): Doug Olander, Sport Catch, 1972-73.
- 10-SJ (Rocky Bay): Doug Olander, Sport Catch, 1972-73.
- 1-B (west side of Allen Island): Steve Borton, Sport Catch, 7/22/74.
- 3-E (Port Gardner Bay): U.W. Ocean., P.G., 1962-67.
- 3-S (Golden Gardens to Meadow Point): U.W. Ocean., Hoh, 1963-68.
- 2-HC (off southwest of Big Beef Harbor): Sea Grant, 1973.



Sebastes crameri

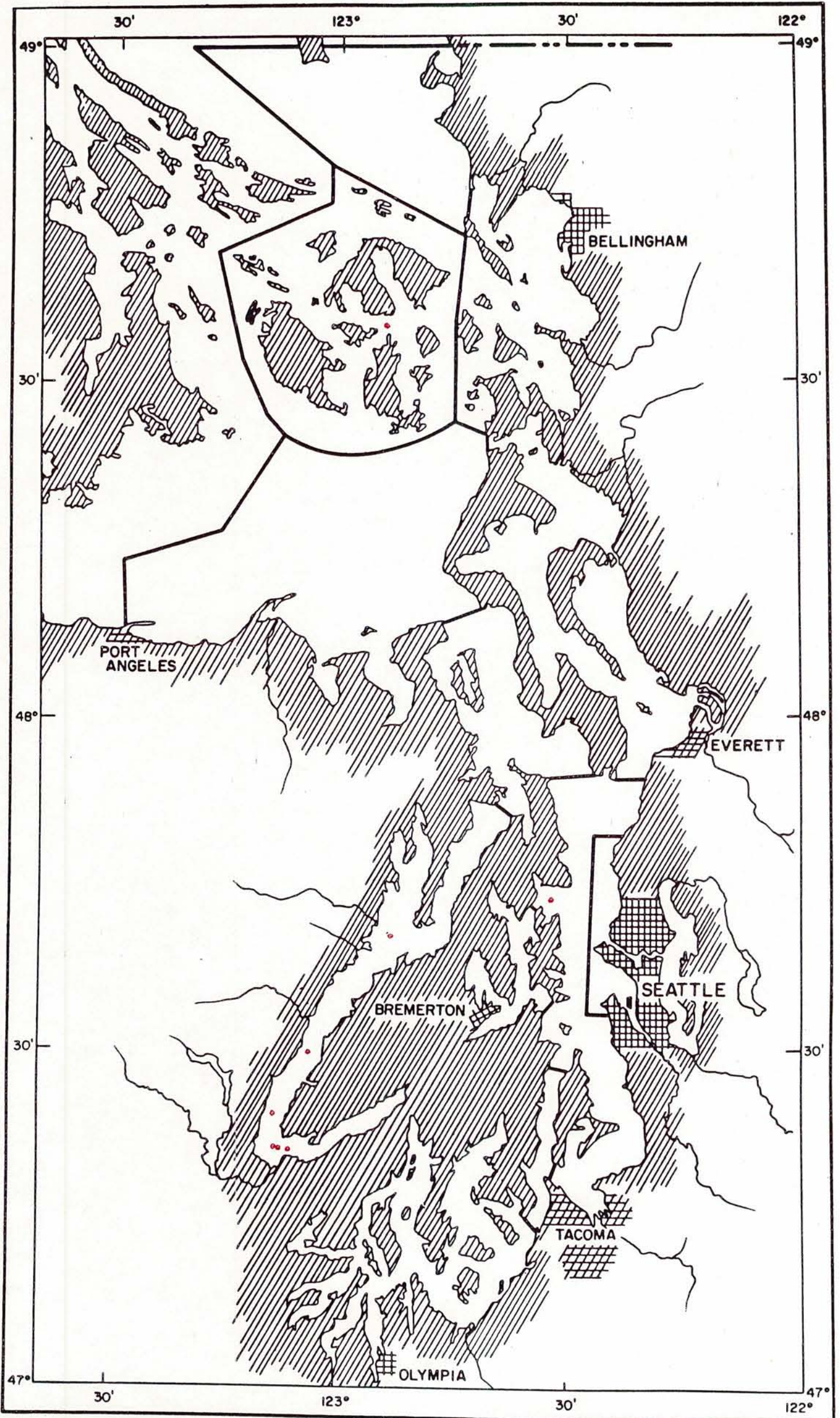
Scorpaenidae

University of Washington
Museum Collection

1-E (off Mukilteo): 4545.
1-JF (west of McArthur Bank): 11041.

Miscellaneous Logs

1-JF (west of Protection Island):
NMFS, Cobb, 2/28/73.



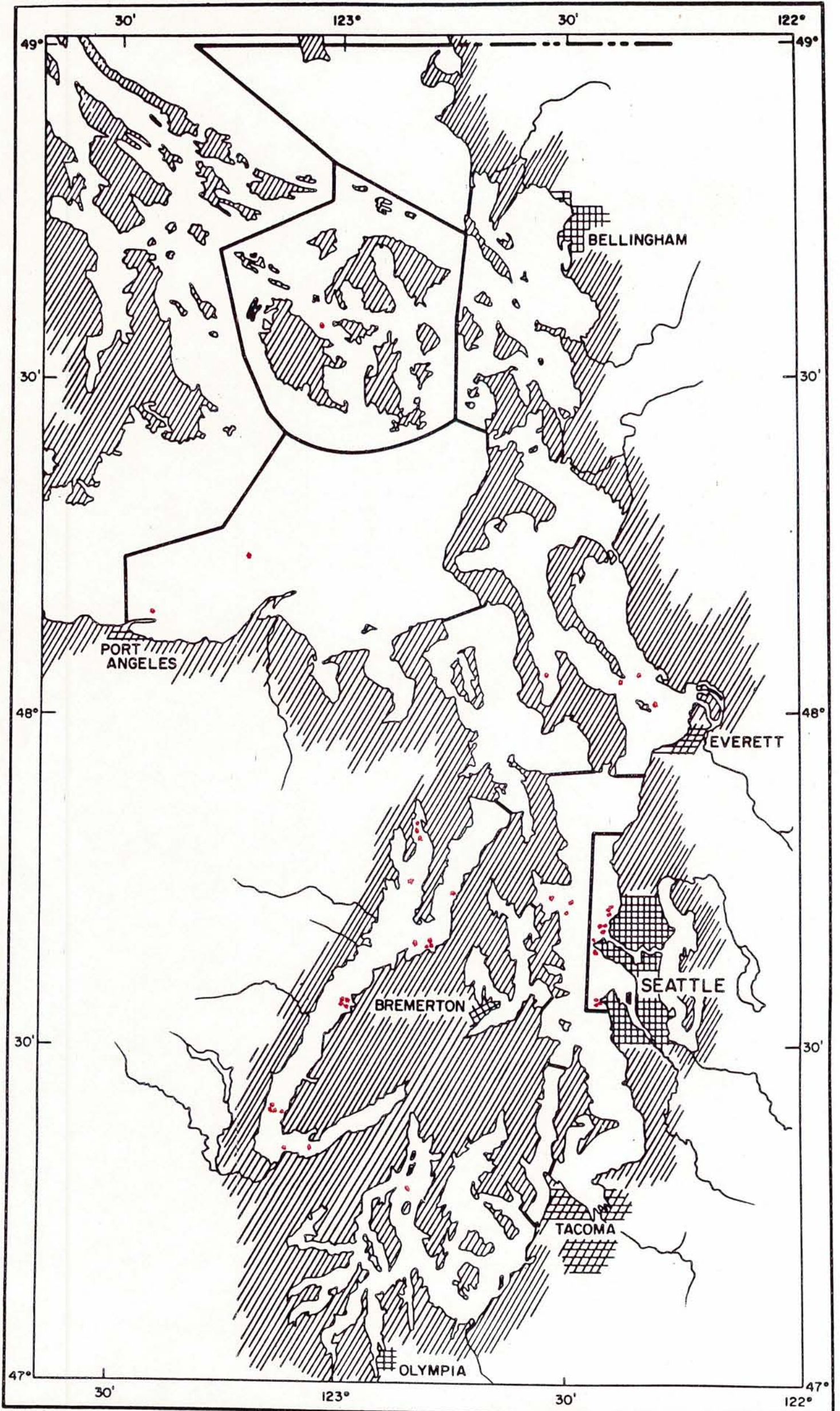
Sebastes diploproa

Scorpaenidae

Published Records

1-HC: Hubbs, 1928.

University of Washington
Museum Collection1-CS (mid Port Madison):
5744 (also bcat 492B).
1-HC (near Union): 10151.Miscellaneous Logs2-HC (mid-channel, off Skokomish
River delta): Sea Grant, 1973.
1-HC (off Dabob Bay):
NMFS, Cobb-68.
1-HC (off Ayock Point):
NMFS, Cobb-68.
1-HC (off Hoodspoint):
NMFS, Cobb-71.Friday Harbor Laboratory Log1-SJ (Upright Head to Foster Point):
6/26/73-2.



Sebastes elongatus

Scorpaenidae

Published Records

- 1-HC: Hubbs, 1928.
 1-HC (Bangor): Smith, 1936
 (probably also museum 3776).
 2-HC (Hoodsport): Smith, 1937.
 1-HC (Seabeck): Smith, 1937.
 2-HC (Anderson Cove): Chew, 1970.
- 3-S (deep otter trawl: off southwest
 of Alki Point): Sea Grant, 1973.
 1-HC (off Union): Sea Grant, 1973.
 1-S (off southwest side of West
 Point): Sea Grant, 1973.

University of Washington
 Museum Collection

- 1-E (Saratoga Pass., Camano Head):
 2737.
 1-E (Camano Head and Tulalip):
 4014.
 1-JF (Ediz Hook): 4868.
 1-CS (off Port Madison):
 5723 (also boat 497B).
 1-HC (opposite Hoodsport):
 5782 (also boat 499F).
 1-S (off Golden Gardens): 6149.
 1-HC: 10149.
 1-PS: 11746.
 1-CS (off Point Monroe):
 14399 (also boat 5805C).
 1-HC (Hoodsport): 4854.
 1-S (off Carkeek Park):
 16345 (also boat 5039C).

Friday Harbor Laboratory Log

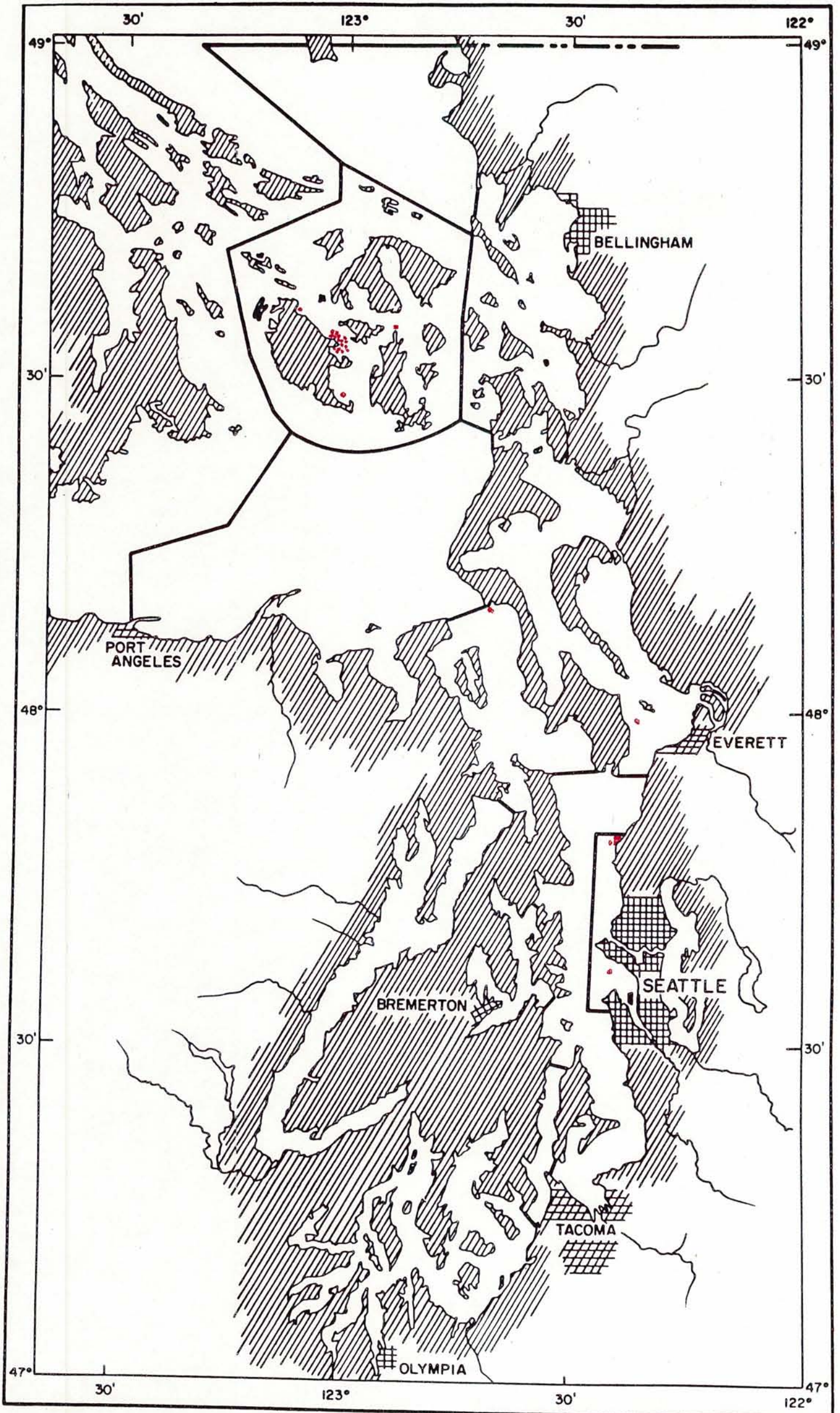
- 1-SJ (San Juan Channel, west of Neck
 Point, closer to San Juan
 Island): 7/31/69.

University of Washington Boat Log

- 1-S (Golden Gardens): 5034B.
 1-HC (off Sister Point): 499G.
 1-S (off Carkeek Park): 5041B.
 2-S (off Golden Gardens):
 5129D; 6510C.
 1-E (mid Holmes Harbor): 5501D.
 1-HC (Dabob Bay): 5903B.
 3-HC (Dabob Bay, Broad Spit to Long
 Spit): 6503A,B; 6629A.
 1-S (off Meadow Point to Carkeek
 Park): 6510B.
 1-E (training cruise area: east of
 Gedney Island): 6630C.
 1-CS (Port Madison): 7011C.
 3-HC (Anderson Cove): 7009A,B,D.

Miscellaneous Logs

- 10+-HC: WSDF, Sport Fish., 1965-70.
 1-JF (mid-channel, northwest of
 Dungeness Spit): NMFS, Cobb-25.
 1-SS (Case Inlet, Stretch Island to
 Herron Island): NIH, 1968-71.
 2-HC (Big Beef Harbor): NIH, 69042.
 1-HC (off Big Beef Harbor):
 Sea Grant, 72026.
 1-S (off northwest side of West
 Point): Sea Grant, 1973.



Sebastes emphaeus

Scorpaenidae

Published Records

- 1-SJ: Starks, 1911.
1-SJ: Kincaid, 1919.

University of Washington
Museum Collection

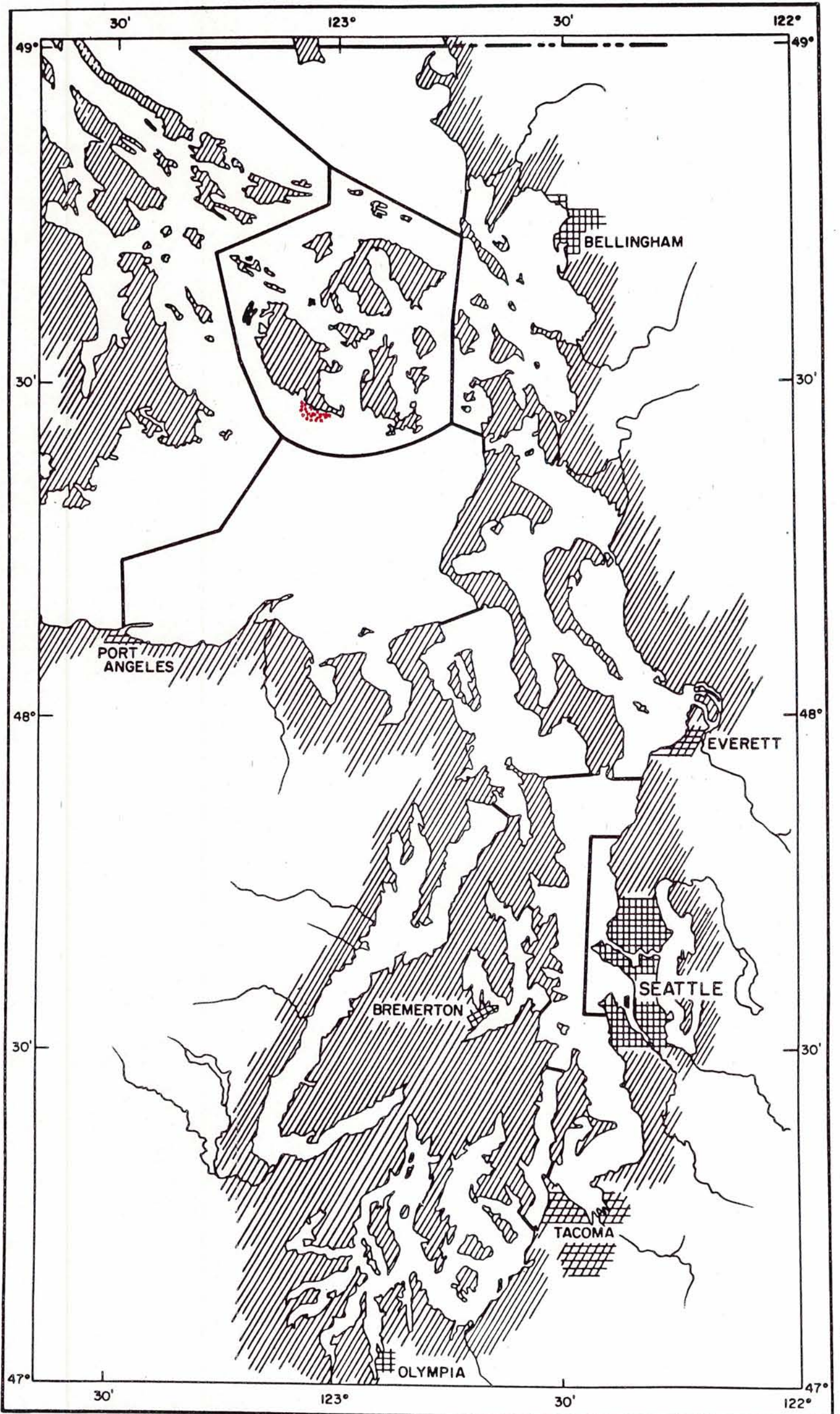
- 1-SJ (Griffin Bay): 2159.
1-SJ (Friday Harbor): 2200.
1-E (Saratoga Pass., off Clinton):
2723.
1-S (Elliott Bay): 2727.
2-SJ (O'Neal Island): 2729; 2734.
1-PS: 15177.

Friday Harbor Laboratory Log

- 1-SJ (Upright Head): 4/15/68.

Miscellaneous Logs

- 1-AI (Keystone jetty): David
Somerton, Diving Log, 1973-74.
5-S (Edmonds oil dock): David
Somerton, Diving Log, 1973-74.
3-SJ (Cantilever dock, Friday Harbor
Lab): Moulton and Miller, Diving
Log, 1973-74.
1-SJ (Point George): Moulton and
Miller, Diving Log, 1973-74.
9-SJ (Shady Cove area, San Juan
Island): Moulton and Miller,
Diving Log, 1973-74.
2-SJ (Friday Harbor Lab dock):
Moulton and Miller, Diving Log,
1973-74.

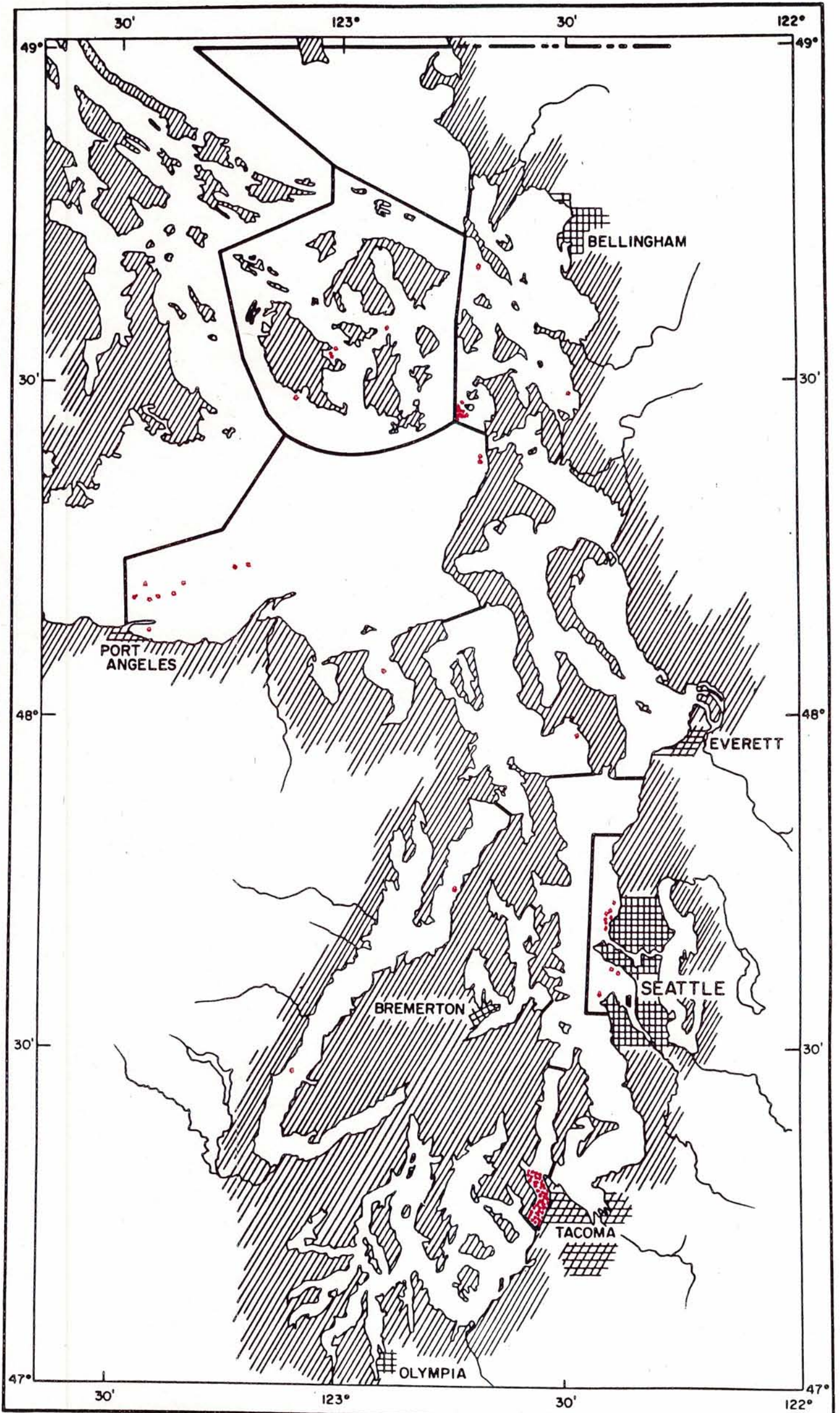


Sebastes entomelas

Scorpaenidae

Miscellaneous Logs

20+-SJ (Eagle Point):
Sport Catch (hook and line), Ed
DeMartini, 8/74.



Sebastes flavidus

Scorpaenidae

Published Records

50+-CP (Tacoma Narrows):
Haw and Buckley, 1971.

University of Washington
Museum Collection

1-SJ (Kanaka Bay): 1244.
1-S (beach seine: Alki Point):
4529.
1-SJ (Friday Harbor): 5337.
1-JF (Port Angeles): 5364.
1-PS: 5595.
1-S (Golden Gardens): 11672.
1-B (Bayview jetty): 7219.
1-S (off Golden Gardens): 12687.

Friday Harbor Laboratory Log

1-SJ (Upright Head): 6/28/51-1.
1-SJ (off Friday Harbor Lab):
6/24/73.
1-SJ (Friday Harbor Lab):
6/24/67-2.

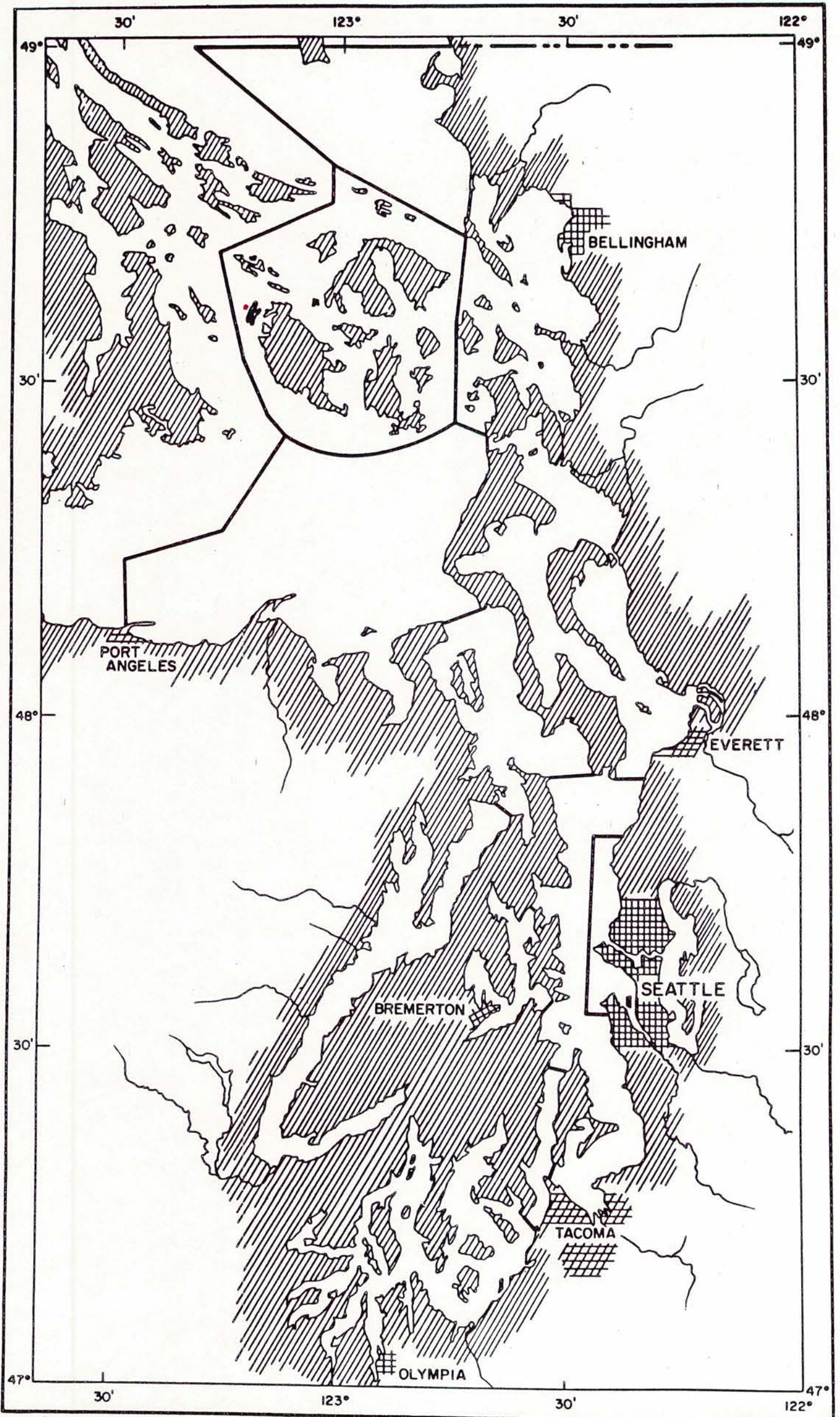
University of Washington Boat Log

1-S (off Carkeek Park): 5110A.
1-S (off Meadow Point to Carkeek
Park): 5203A.

Miscellaneous Logs

1-S (Shilshole): Bill High, Diving,
personal communication, 12/30/66.
2-JF (off West Beach):
WSDF, Sport Fish., 1965-70.
2-S (Elliott Bay):
WSDF, Sport Fish., 1965-70.
4-HC: WSDF, Sport Fish., 1965-70.
1-JF (Discovery Bay): WSDF,
commercial catch comp., 1966-70.
1-B (west of Lummi Island): WSDF,
commercial catch comp., 1969-70.
1-JF (mid-channel, northwest of
Dungeness Spit): NMFS, Cobb-25.
1-JF (northeast of Ediz Hook):
NMFS, Cobb-68.
2-JF (mid-channel, north of Morse
Creek): NMFS, Cobb-90.
1-JF (northwest of Dungeness Spit):
NMFS, Cobb-92.
3-JF (north of Ediz Hook):
NMFS, Cobb-25.
1-AI (Useless Bay): WSDF,
Groundfish Trawl Log, 1972.
1-HC (Bangor Annex): Kramer, Chin,
and Mayo, NCEL Survey, 1973.
2-S (wreck, north of Meadow Point):
Doug Olander, Sport Catch Log,
1972-73.
1-B (northwest corner of Allan
Island): Steve Borton, Sport
Catch, 4/9/74.
1-B (north side of Williamson
Rocks): Steve Borton and Bruce
Miller, Sport Catch, 6/11/74.

4-B (east side of Dennis Shoal):
Steve Borton and L. Moulton,
Sport Catch, 7/22/74.
1-HC (north of Liliwaup):
NMFS, Cobb-71.
2-B (east side of Dennis Shoal):
M. Barker and P. Duris, Sport
Catch, 10/19/74.

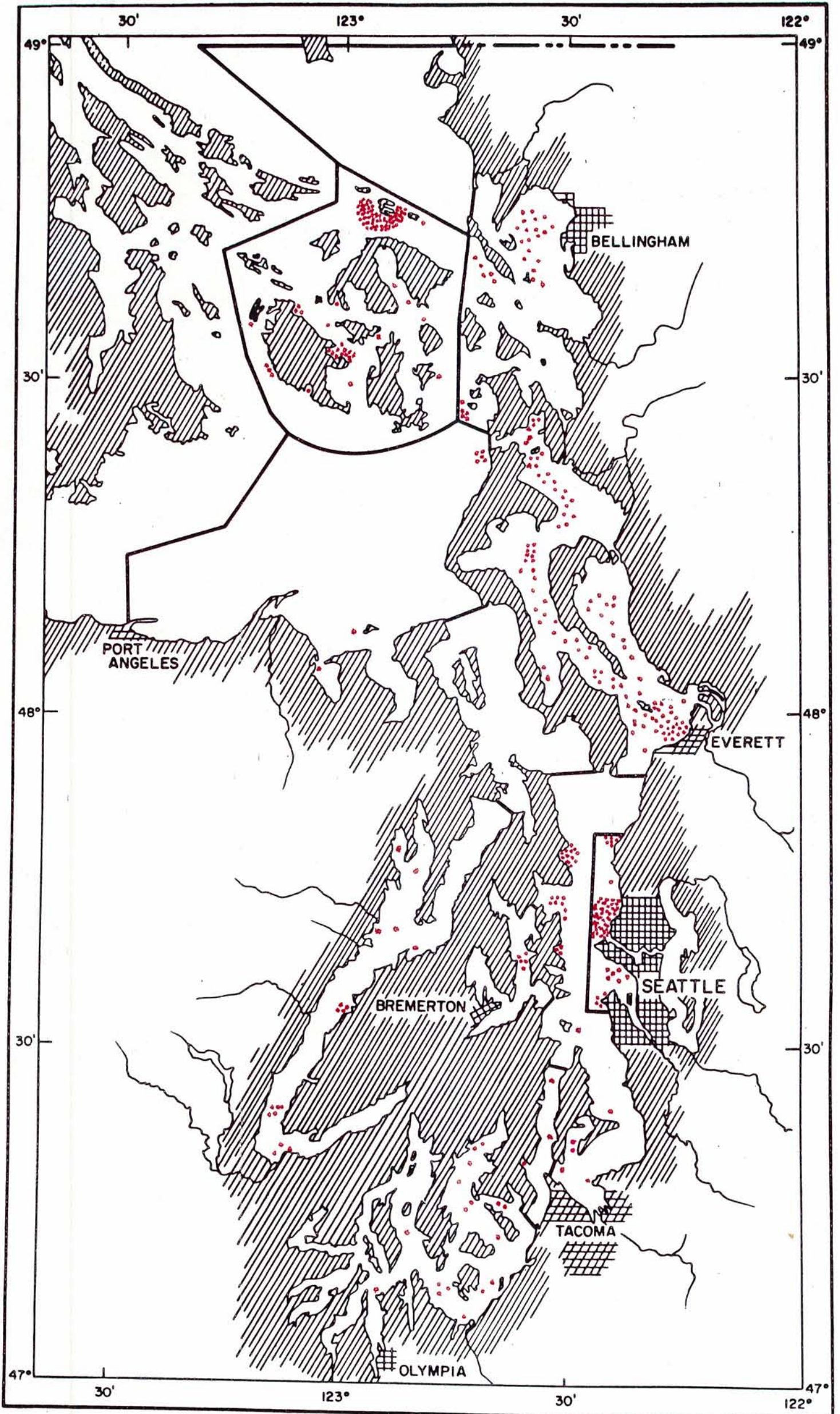


Sebastes helvomaculatus

Scorpaenidae

Miscellaneous Logs

1-SJ (off west side of Henry
Island): Gary Thomas, personal
communication, mid-summer, 1975.



Sebastes maliger

Scorpaenidae

Published Records

- 1-SJ: Shelford et al., 1935.
 4-B (Bellingham Bay): Smith, 1936.
 1-HC (Dabob Bay): Smith, 1936.
 1-SS (Hale Pass.): Smith, 1936.
 1-SJ (Upright Channel):
 Smith, 1937.
 5-HC (Hoodsport): Smith, 1937 (one
also museum 3757).
 3-HC (Skokomish flats; Quilcene Bay;
 Seabeck): Smith, 1937.
 2-HC (Holly): Smith, 1937.
 7-E (Columbia Beach; Langley; Elger
 Bay; Camano; Camano Head;
 Mukilteo; Columbia Beach):
 Smith, 1937.
 4-E (Gedney Island): Smith, 1937.
 2-CS (Quartermaster Harbor; Point
 Brown): Smith, 1937.
 4-SS (Carr Inlet; Anderson Island;
 Dofflemeyer Point; Case Inlet):
 Smith, 1937.
 10+-JF (sport catch):
 Haw and Buckley, 1971.
 10+-SJ (sport catch):
 Haw and Buckley, 1971.
 10+-B (sport catch: Bellingham Bay
 area): Haw and Buckley, 1971.
 50+-E (sport catch: Port Susan, Port
 Gardner and Saratoga Pass.):
 Haw and Buckley, 1971.
 1-SJ (Friday Harbor): Lloyd, 1936.

University of Washington
Museum Collection

- 3-S (Alki Point): 661; 828; 2895.
 1-S (West Seattle): 918.
 1-SJ (near Peavine Pass): 1199.
 1-SJ (near Olga): 1205.
 1-SJ (San Juan Channel): 1240.
 1-SJ (Deer Harbor): 1286.
 2-HC (Holly): 1558; 4467.
 3-PS: 1846; 3115; 12199.
 1-E (Saratoga Pass., Camano Head):
 2552.
 1-E (east of Gedney Island): 2578.
 1-E (Saratoga Pass., off Clinton):
 2722.
 3-S (Elliott Bay):
 2725; 2896; 3102.
 1-SJ (O'Neal Island): 2730.
 1-HC (Brinnon): 2733.
 1-JF (Washington Harbor): 3807.
 1-E (Saratoga Pass.): 4180.
 1-S (south of Richmond Beach):
 4712.
 1-E (Holmes Harbor): 15358.
 1-S (off Golden Gardens):
 5733 (also boat 497E).
 1-SS (west end of Nisqually Reach):
 5827 (also boat 5009I).
 1-E (Snohomish River flats): 2724.

Friday Harbor Laboratory Log

- 1-SJ (False Bay): 7/13/50-2.
 1-SJ (west of James Island):
 7/24/50-4.
 1-SJ (Open Bay): 7/30/50-5.
 1-SJ (east of Puffin Island):
 6/20/50-4.
 1-SJ (night light, Friday Harbor
 Lab): 7/50.
 1-SJ (Friday Harbor): 8/12-13/52.
 3-SJ (Friday Harbor):
 6/21/55-1; 8/60; 7/10/69-1.
 1-SJ (west of Neck Point): 7/31/69.
 1-SJ (off Friday Harbor): 8/22/69.

University of Washington Boat Log

- 1-E (Holmes Harbor, Rocky Point to
 Dines Point): 491Q.
 3-E (training cruise area: east of
 Gedney Island):
 6603C; 6826C; 7213C.
 2-E (training cruise area: Saratoga
 Pass., north of Langley):
 6826D; 7213D.
 6-E (training cruise area: off Penn
 Cove): 6603E; 6815E; 6819E;
 6826E; 7213E; 7307E.
 6-CS (Port Madison): 492B; 5048B;
 5122A,B; 5132D; 5812A.
 1-CS (mouth of Quartermaster
 Harbor): 5042A.
 1-CS (Tramp Harbor): 5104A.
 1-CS (east of Blake Island): 5115I.
 1-CS (off Fay Bainbridge State
 Park): 5805A.
 1-CS (east of Point Monroe): 5805C.
 3-CS (Murden Cove): 6818B; 6812H,I.
 5-PO (off Fletcher Bay):
 5809A; 5901AK; 5904A,B,C.
 29-S (off Golden Gardens to Meadow
 Point): 494B,C,E,F; 496B,C;
 498B; 4910A; 5017C; 5033A; 5039B,
 D; 5110C,D; 5112A,B,C; 5119D,G;
 5126A; 5127A,B; 5129D; 5132A;
 5207H; 5920A; 6010B; 6506A,C.
 12-S (off Meadow Point to Carkeek
 Park): 5020A; 5039C; 5041B;
 5044A; 5110A; 5119A,B; 5203A,B;
 5212C,F; 7120B.
 4-S (beach seine: Golden Gardens to
 Meadow Point):
 5047A; 5129B; 5807A,B.
 1-CP (off Camp Sealath): 5104DD.
 1-CP (off Cove): 5133Q.
 2-SS (Carr Inlet, southwest of Green
 Point): 5037A; 5104T.
 2-SS (Carr Inlet, of Minter Creek to
 Elgin): 5045EE; 5135C.
 1-SS (Carr Inlet, off Glen Cove to
 off Cutts and Raft Islands):
 5045K.
 1-SS (Hale Pass., Arletta to
 Cromwell): 5046B.

Sebastes maliger

Scorpaenidae

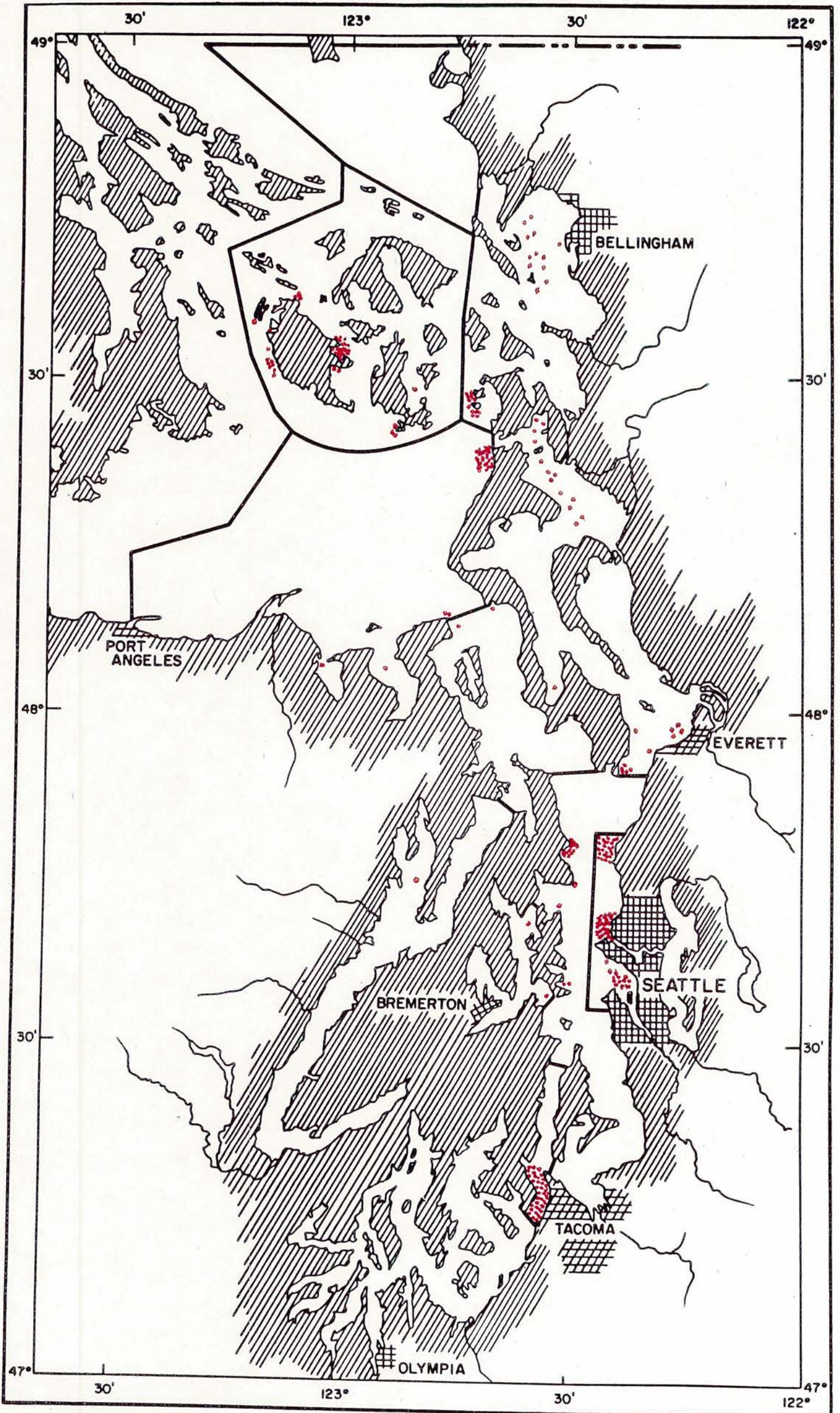
University of Washington Boat Log

- 1-SS (mid-channel, Gibson Point to Gertrude Island): 5046D.
 2-SS (northwest end of Nisqually Reach): 5126J; 7/20/49-5.
 1-SS (west of Ketrion Island): 5126K.

Miscellaneous Logs

- 2-B (Bellingham Bay): Bill High, personal communication, 12/9/63.
 5-JF (off West Beach): WSDF, sport fish., 1965-70.
 15+-E (Skagit Bay and Similk Bay): WSDF, sport fish., 1968-69.
 3-E (Everett): WSDF, sport fish., 1965-70.
 3-S (Elliott Bay): WSDF, sport fish., 1965-70.
 7-SS: WSDF, sport fish., 1965-70.
 7-SJ: WSDF, sport fish., 1965-70.
 12+-HC: WSDF, sport fish., 1968.
 5-B (west of Lummi Island): WSDF, commercial catch comp., 1969-70.
 50+-SJ (sport catch: Sucia Island): Allyn Johnson, personal communication, 1972.
 1-HC (off Dabob Bay): NMFS, Cobb-68.
 1-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
 1-JF (west of Protection Island): NMFS, Cobb, 2/28/73.
 1-CP (Gig Harbor): Sea Grant, 72003 (also boat 7208).
 1-E (east to northeast of Gedney Island): NMFS, Streeter, 2/21/73.
 1-SJ (sport catch: West Bank, south of Sucia Island): Allyn Johnson, personal communication, 5/4/73.
 1-SS (off Nisqually flats): Sea Grant, 1973.
 1-HC (off Union): Sea Grant, 1973.
 1-HC (mid-channel, off Skokomish delta): Sea Grant, 1973.
 8-S (Edmonds breakwater): Doug Olander, Sport Catch Log, 1972-73.
 20-CS (in Appletree Cove): Doug Olander, Sport Catch Log, 1972-73.
 1-CS (Vashon Island, Neill Point to Point Dalco): Doug Olander, Sport Catch Log, 1972-73.
 18-S (wreck, north of Meadow Point): Doug Olander, Sport Catch Log, 1972-73.
 11-SJ (near Turn Island): Doug Olander, Sport Catch Log, 1972-73.
 3-SJ (near Deadman Bay): Doug Olander, Sport Catch Log, 1972-73.

- 2-SJ (Rocky Bay): Doug Olander, Sport Catch Log, 1972-73.
 1-B (northwest corner of Allen Island): Steve Borton, Sport Catch, 4/9/74.
 1-B (north side of Williamson rocks): Steve Borton, Bruce Miller, Sport Catch, 6/11/74.
 2-B (east side of Dennis Shoal): Steve Borton, L. Moulton, Sport Catch, 7/22/74.
 1-B (east side of Dennis Shoal): Steve Borton, Sport Catch, 10/19/74.



Sebastes melanops

Scorpaenidae

Published Records

1-PS: Suckley, 1860.
 1-CP (Tacoma): Collins, 1892.
 1-PS: Jordan, 1887.
 1-PS: Jordan and Starks, 1896.
 1-SJ: Starks, 1911.
 1-PS: Kincaid, 1919.
 1-S (Seattle):
 Hubbs and Schultz, 1933.
 1-SJ: Shelford et al., 1935.
 10+-JF (sport catch):
 Haw and Buckley, 1971.
 10+SJ (sport catch):
 Haw and Buckley, 1971.
 10+-B (sport catch):
 Haw and Buckley, 1971.
 10+-CS (sport catch: Kingston
 breakwater):
 Haw and Buckley, 1971.
 10+-S (sport catch: Shilshole and
 Edmonds breakwater):
 Haw and Buckley, 1971.
 50+-CP (sport catch: Tacoma
 Narrows): Haw and Buckley, 1971.
 SJ: MacPhee and Clemens, 1962
 (duplicated by Friday Harbor Lab
 Log records).

University of Washington
Museum Collection

1-SJ (Deadman Bay): 1243.
 2-PS: 1845, 274C.
 1-SJ (Iceberg Point): 2957.
 1-SJ: 3545.
 1-JF (Washington Harbor): 3808.
 1-AI (Port Townsend): 4865.
 1-SJ (Friday Harbor): 11660.
 1-PO (south of Agate Pass.): 15165.
 1-S (Ballard Locks): 5022.

Friday Harbor Laboratory Log

1-SJ (Open Bay): 7/31/50-4.
 2-SJ (Iceberg Point tide pool):
 7/22/52-3; 8/4/55-2.
 15-SJ (Friday Harbor Lab): 8/4/52;
 8/9/52; 6/23-30/60; 7/18/60;
 6/16-21/61; 7/14/69; 7/22/69-1,2;
 8/10/69; 8/13/69-1; 7/15/69-5;
 7/16/69-2; 7/20/69; 7/21/69-1,2.
 2-SJ (Friday Harbor):
 8/60; 7/16/60.
 1-SJ (Argyle Lagcon): 8/11/60.
 1-SJ (Mitchell Bay): 8/16/60-1.
 1-SJ (Smallpox Bay): 7/13/61.
 1-SJ (Deadman Bay): 6/22/63.
 1-SJ (Argyle Bay): 7/15/63.
 1-SJ (off Friday Harbor Lab):
 6/24/73.

University of Washington Boat Log

1-E (Holmes Harbor, south of
 Classic): 5501E.
 1-B (training cruise area: southwest
 of Post Point): 7118G.

1-SJ (training cruise area: Lopez
 Sound, southwest of Center
 Island): 7017I.
 1-HC (Dabob Bay): 7102E.

Miscellaneous Logs

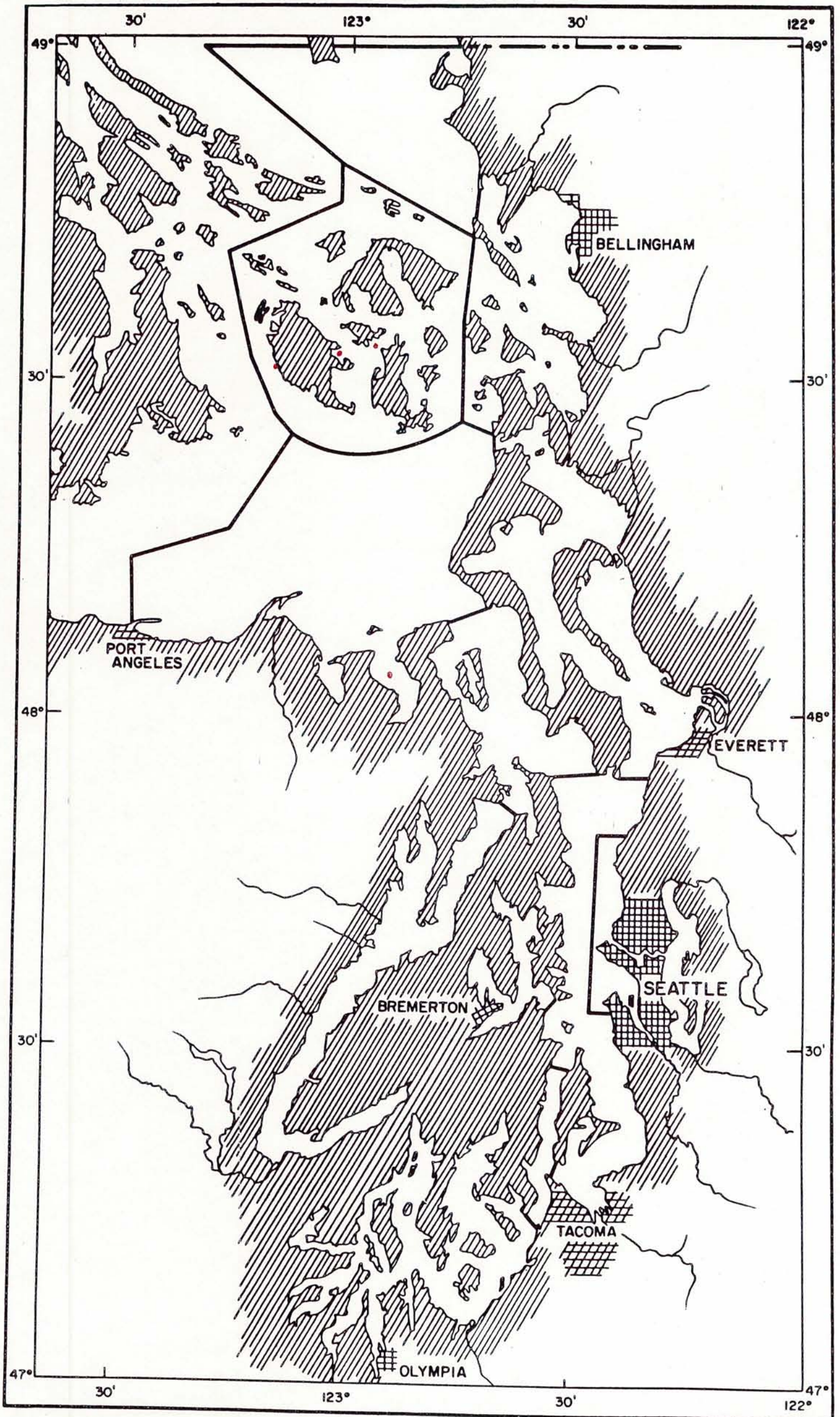
3-S (Seattle): Bill High, personal
 communication, 12/30/66.
 1-S (Edmonds): Bill High, personal
 communication, 12/30/66.
 1-AI (Keystone ferry): Bill High,
 personal communication, 12/30/66.
 1-E (Columbia Beach): Bill High,
 personal communication, 12/30/66.
 1-S (off Shilshole breakwater):
 Phil Grey, personal
 communication, 1964.
 20+-JF (off West Beach):
 WSDF, Sport Fish., 1968-69.
 11+-E (Skagit Bay and Similk Bay):
 WSDF, Sport Fish., 1965-70.
 2-E (Everett):
 WSDF, Sport Fish., 1965-70.
 15+-S (Elliott Bay):
 WSDF, Sport Fish., 1965-70.
 5-SJ: WSDF, Sport Fish., 1965-70.
 10+-HC: WSDF, Sport Fish., 1965-70.
 1-E (Port Gardner Bay):
 U.W. Ocean., P.G., 1962-67.
 1-JF (Discovery Bay): WSDF,
 commercial catch comp., 1966-70.
 8-SJ (Friday Harbor): Bruce Miller,
 Diving Log, 9/5/65; 9/10/65;
 3/25/66; 4/5/66; 6/18/66;
 6/20/66; 7/22/66; 8/21/66.
 3-SJ (Limestone Point):
 Bruce Miller, Diving Log, 9/6/65;
 7/23/66; 7/30/66.
 1-SJ (Edwards Reef, west-central San
 Juan Island): Bruce Miller,
 Diving Log, 8/16/66.
 1-CS (Bainbridge Island, reef on the
 north side): Bruce Miller,
 Diving Log, 6/21/68.
 1-CS (Port Blakely): Bruce Miller,
 Diving Log, 7/12/68.
 1-PO (Port Orchard Rocks): Bruce
 Miller, Diving Log, 7/25/69.
 18-S (sport catch: Edmonds wreck):
 Larry Moulton, 6/25/73.
 1-E (Mukilteo oil dock):
 Doug Olander, Sport Catch Log,
 1972-73.
 5-E (just east of Possession Point):
 Doug Olander, Sport Catch Log,
 1972-73.
 18-S (Edmonds breakwater):
 Doug Olander, Sport Catch Log,
 1972-73.
 1-CS (near Blakely Rock):
 Doug Olander, Sport Catch Log,
 1972-73.
 10-S (north of Meadow Point):
 Doug Olander, Sport Catch Log,
 1972-73.

Sebastes melanops

Scorpaenidae

Miscellaneous Logs

- 3-SJ (near Deadman Bay):
Doug Olander, Sport Catch Log,
1972-73.
- 2-JF (Point Wilson): Bill High,
personal communication, 2/26/74.
- 7-B (southwest edge of Burrows
Island):
Bruce Miller, Diving, 5/7/74.
- 1-B (west side of Allen Island):
Steve Borton, Bruce Miller, Sport
Sport Catch, 6/11/74.
- 5-B (north side of Williamson
rocks): Steve Borton, Bruce
Miller, Sport Catch, 6/11/74.
- 1-CS (Jefferson Head): Bill High,
personal communication, 2/26/74.
- 1-B (beach seine: Bellingham Bay,
north of Eliza Island):
R. Tyler, personal communication,
1/18/74 (also Tyler, 1964).



Sebastes miniatus

Scorpaenidae

Published Records

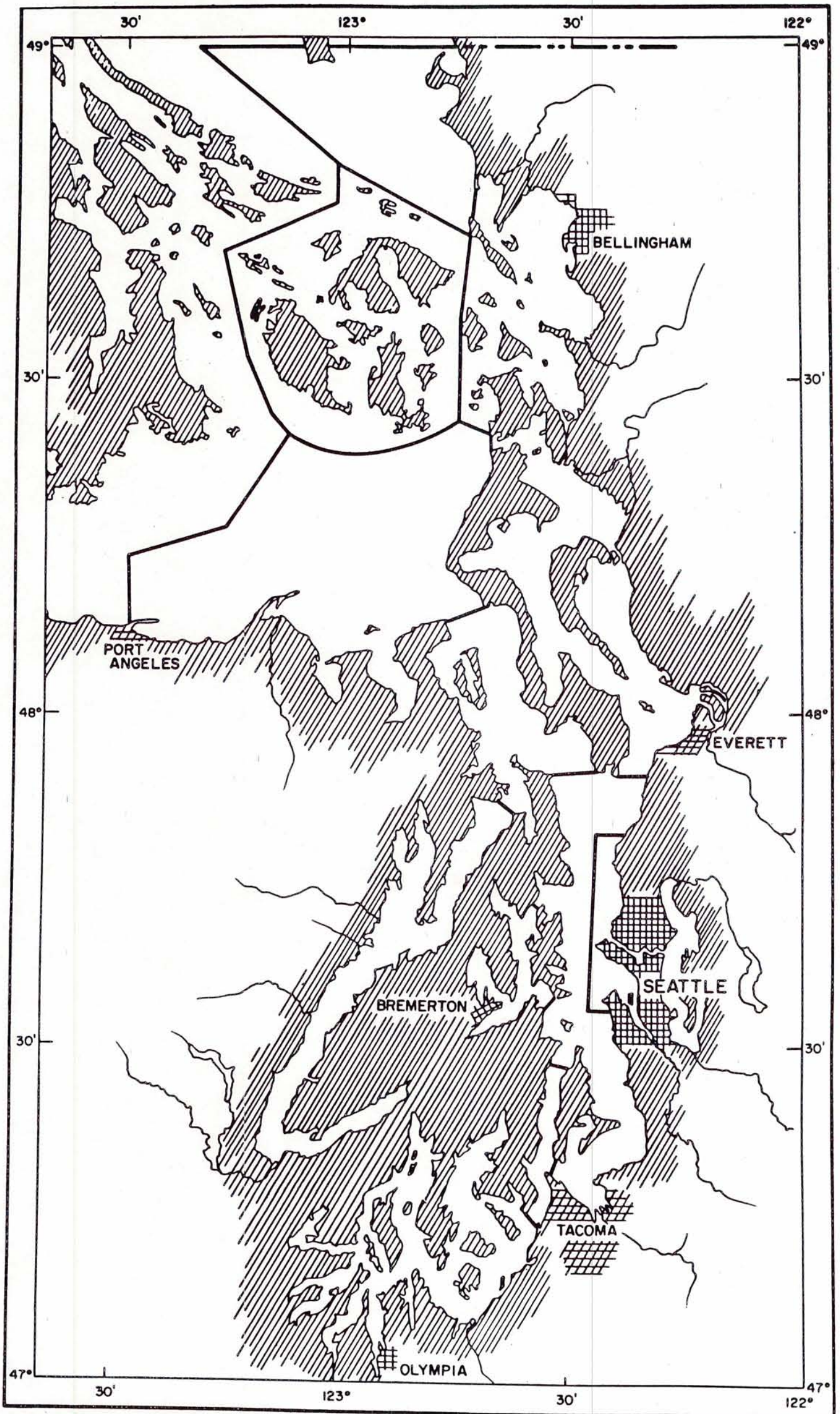
1-JF (Discovery Bay): Smith, 1936
(also museum 3877).

University of Washington
Museum Collection

1-PS: 3227.
1-SJ (Friday Harbor): 11669.
1-SJ (Upright Channel): 11670.

Miscellaneous Logs

1-SJ (Deadman Bay): Mike Huber,
spear fishing, 7/13/75.

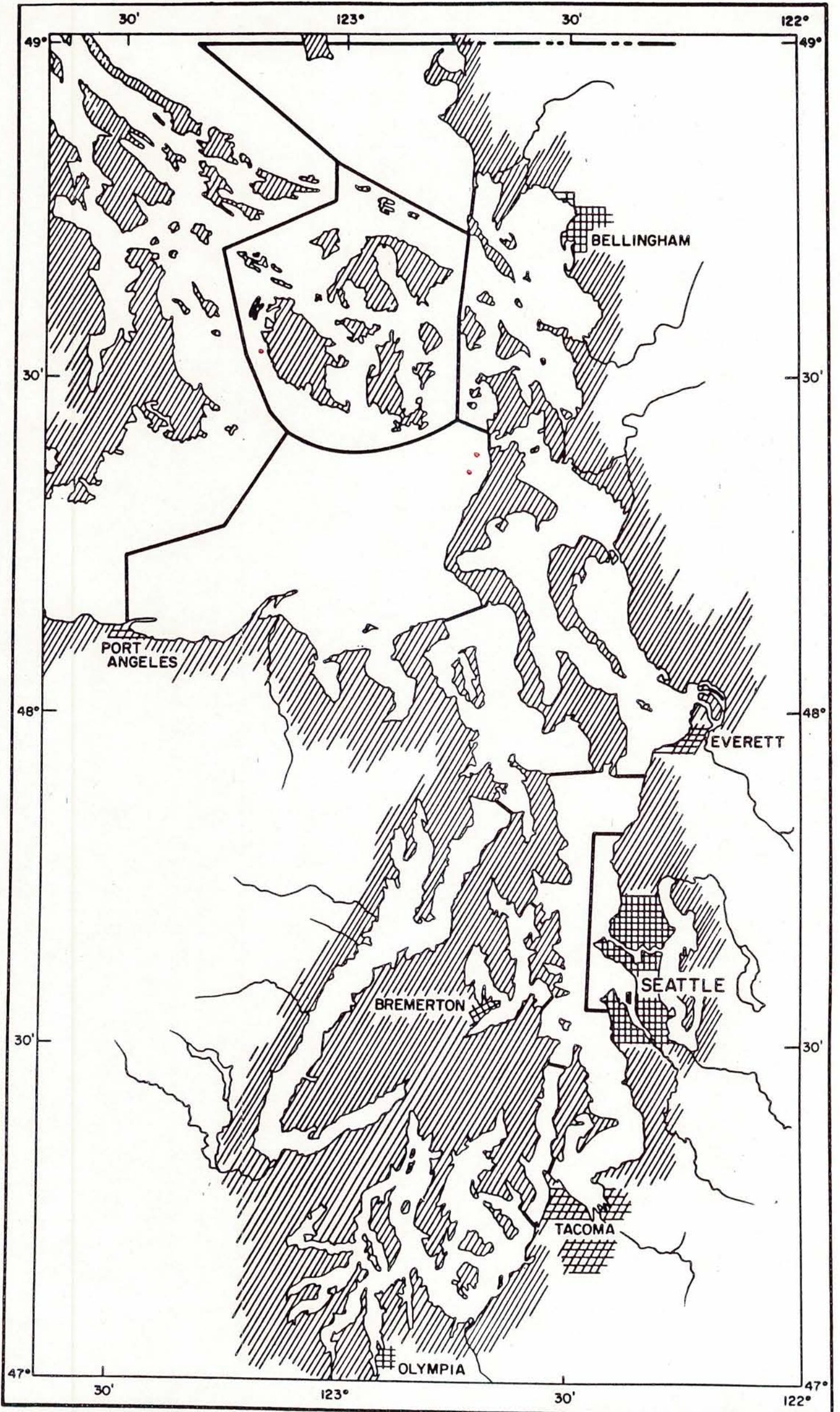


Sebastes mystinus

Scorpaenidae

Published Records

- 1-PS: Jordan and Gilbert, 1881c;
Jordan, 1884.
1-PS: Kincaid, 1919.



Sebastes nebulosus

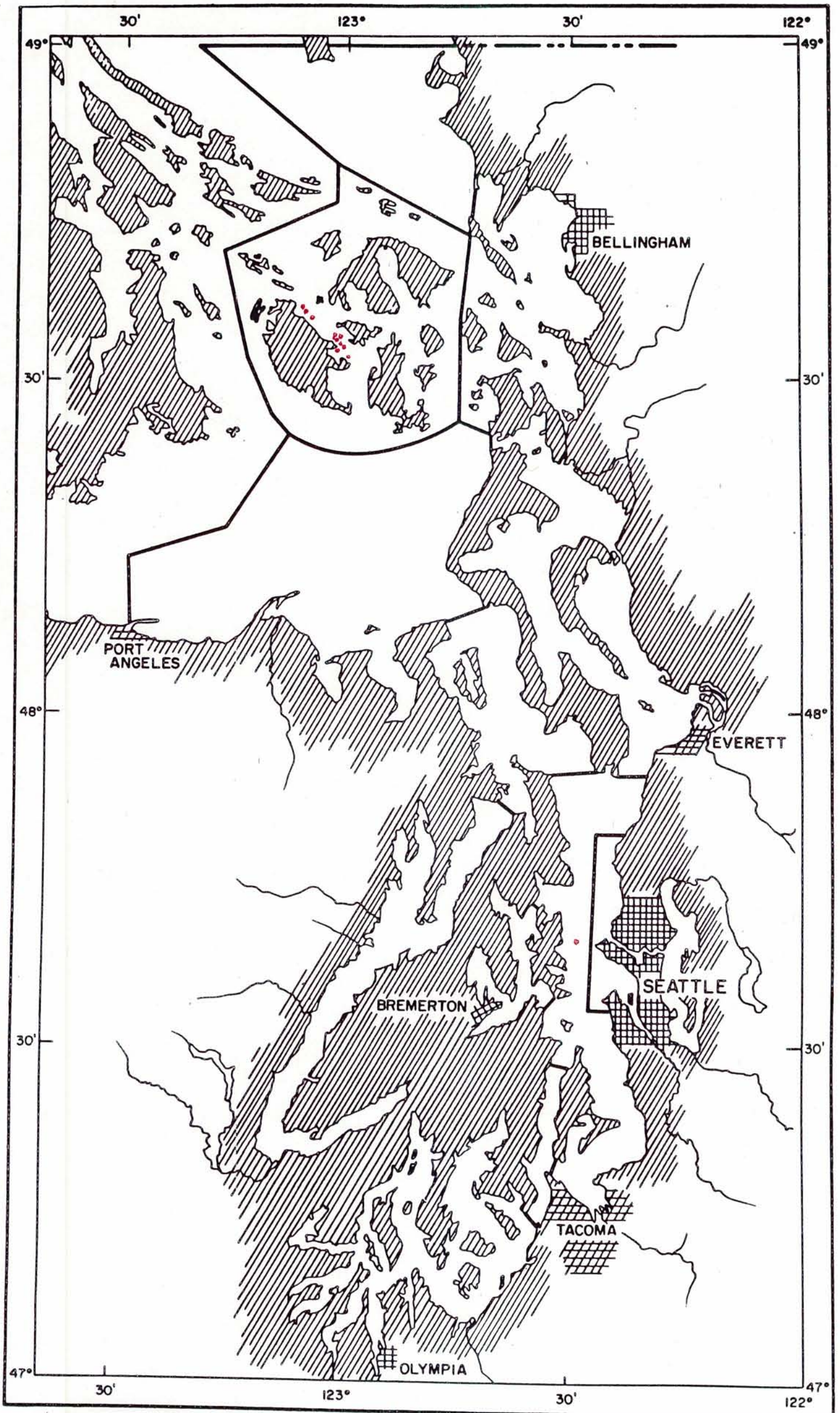
Scorpaenidae

Published Records

- 1-PS: Jordan and Gilbert, 1881c,
1882; Jordan and Jouy, 1882;
Jordan, 1884.
1-PS: Kincaid, 1919.
1-JF (near Whidbey Island):
Acena y Puntanilla, 1942.

Miscellaneous Logs

- 1-SJ (San Juan County Park):
Bill High, personal
communication, 12/30/66.
1-JF (off West Beach):
WSDF, Sport Fish., 1965-70.



Sebastes nigrocinctus

Scorpaenidae

Published Records

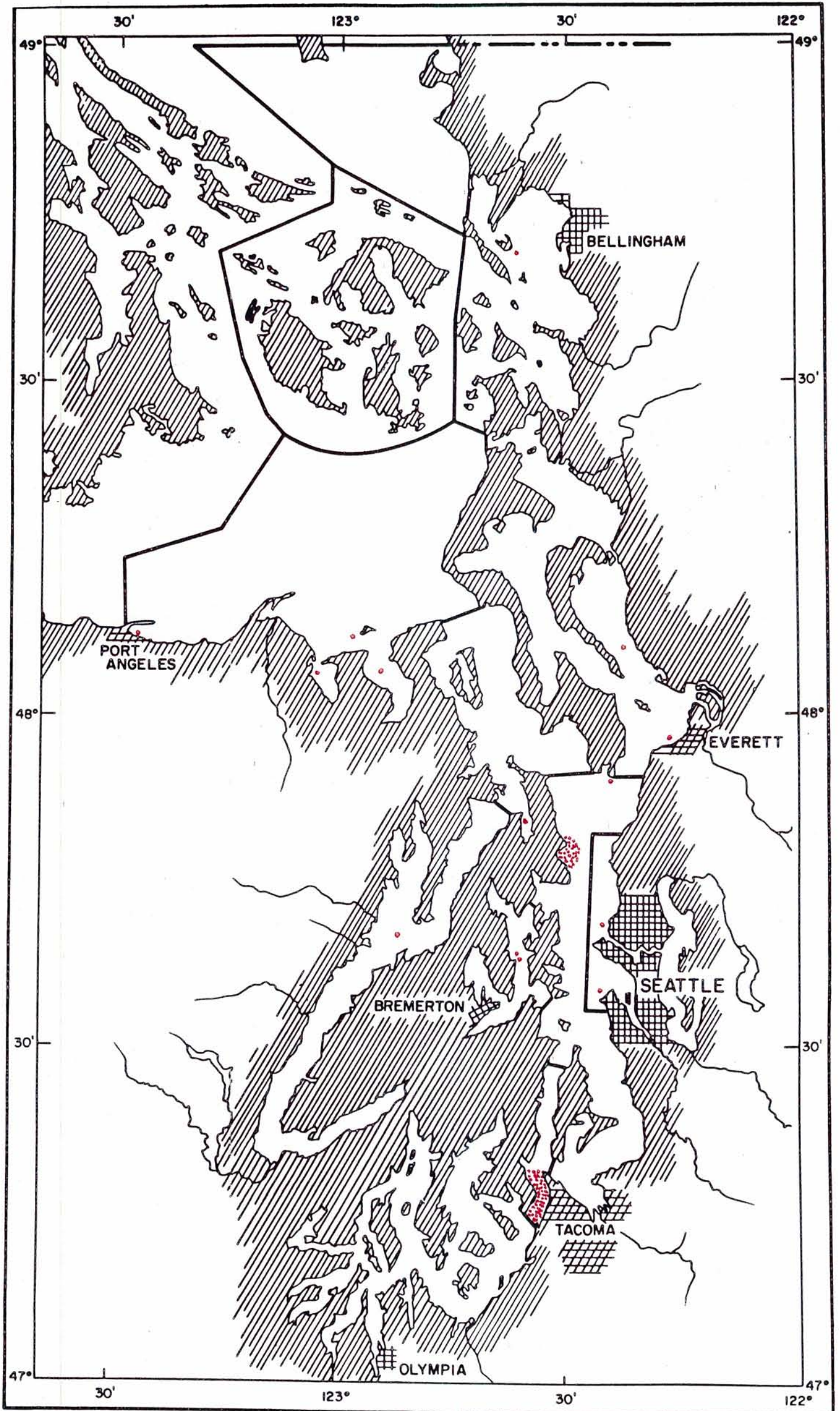
- 1-PS: Jordan and Gilbert, 1881c,
1882; Jordan and Jouy, 1882.
1-SJ: Kincaid, 1919.

University of Washington
Museum Collection

- 1-CS (training cruise area: mid-
channel, Skiff Point to West
Point): 18972 (also boat 6606B).

Miscellaneous Logs

- 3-SJ (San Juan Island, probably near
Rocky Bay): Bill High, personal
communication. Diving, 10/22/63;
5/30/66; 12/26/66.
1-SJ (Friday Harbor): Bruce Miller,
Diving Log, 9/10/65.
1-SJ (Point Caution):
Bruce Miller, Diving Log, 8/66.
6-SJ (Shady Cove area, San Juan
Island): Moulton and Miller,
Diving Log, 1973-74.
1-SJ (east side of Turn Island):
L. Moulton, Diving Log, 1974.



Sebastes paucispinis

Scorpaenidae

Published Records

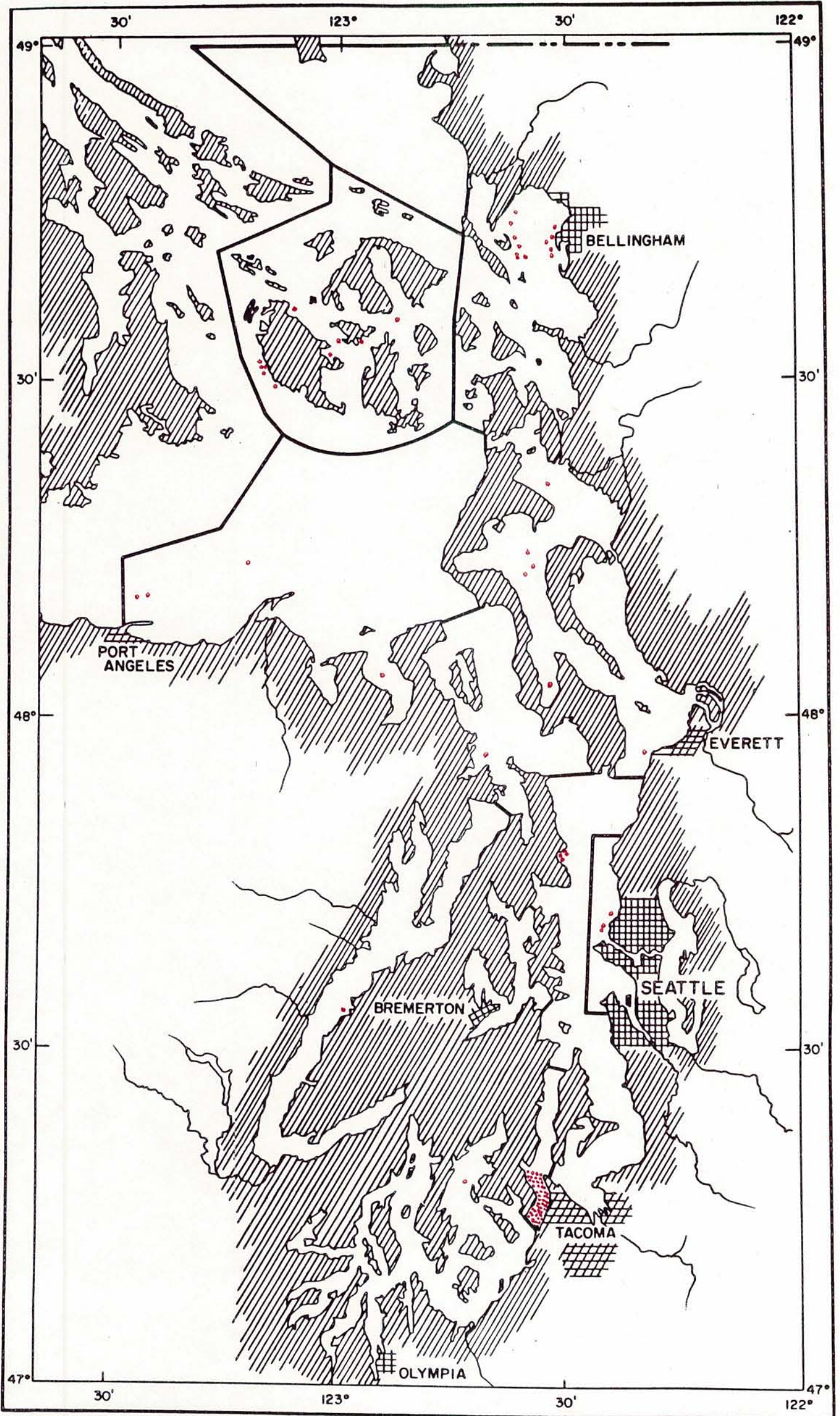
50+-CP (Tacoma Narrows):
Haw and Buckley, 1971.

University of Washington
Museum Collection

1-JF (Washington Harbor): 3875.
1-PS: 5594.
1-S (off Golden Gardens): 14558.
2-PO (off Fletcher Bay):
14580; 14701.
1-S (off Alki Point to Duwamish
Head): 14671.
1-CS (Possessor Point): 15483.

Miscellaneous Logs

1-AI (Port Gamble):
Bill High, Diving, 5/6/62.
1-HC: Bill High, Diving, 2/8/60.
1-B (Bellingham Bay): Bill High,
personal communication, 12/9/63.
1-HC: WSDF, Sport Fish., 1965-70.
1-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
1-JF (Discovery Bay): WSDF,
commercial catch comp., 1966-70.
1-E (lower Port Susan):
NMFS, Cobb-78.
1-JF (beach seine: Port Angeles
embayment):
Peninsula College, 1971.
48-CS (in Appletree Cove): Doug
Olander, Sport Catch, 1972-73.
1-CS (Appletree Cove): Bill High,
personal communication, 2/26/74.
1-JF (west of Protection Island):
NMFS, Cobb, 2/28/73.



Sebastes pinniger

Scorpaenidae

Published Records

- 1-PS: Jordan and Starks, 1896;
Jordan, 1887.
- 1-AI (north of Tala Point):
Evermann and Goldsborough, 1907.
- 1-PS: Kincaid, 1919.
- 1-JF (Discovery Bay): Smith, 1936
(also museum 3876).
- 1-HC (Holly):
Schultz and DeLacy, 1935-36.
- 10+-JF (sport catch):
Haw and Buckley, 1971.
- 10+-SJ (sport catch):
Haw and Buckley, 1971.
- 10+-B (sport catch):
Haw and Buckley, 1971.
- 50+-CP (sport catch: Tacoma
Narrows): Haw and Buckley, 1971.
- 3-E (north end of Saratoga Pass.):
NMFS, Cobb-91.
- 4-CS (in Appletree Cove):
Doug Olander, Sport Catch Log,
1972-73.
- 1-SJ (Point George): Moulton and
Miller, Diving Log, 1973-74.

University of Washington
Museum Collection

- 1-S (off Golden Gardens): 5844.
- 1-SJ (Friday Harbor): 16196.

Friday Harbor Laboratory Log

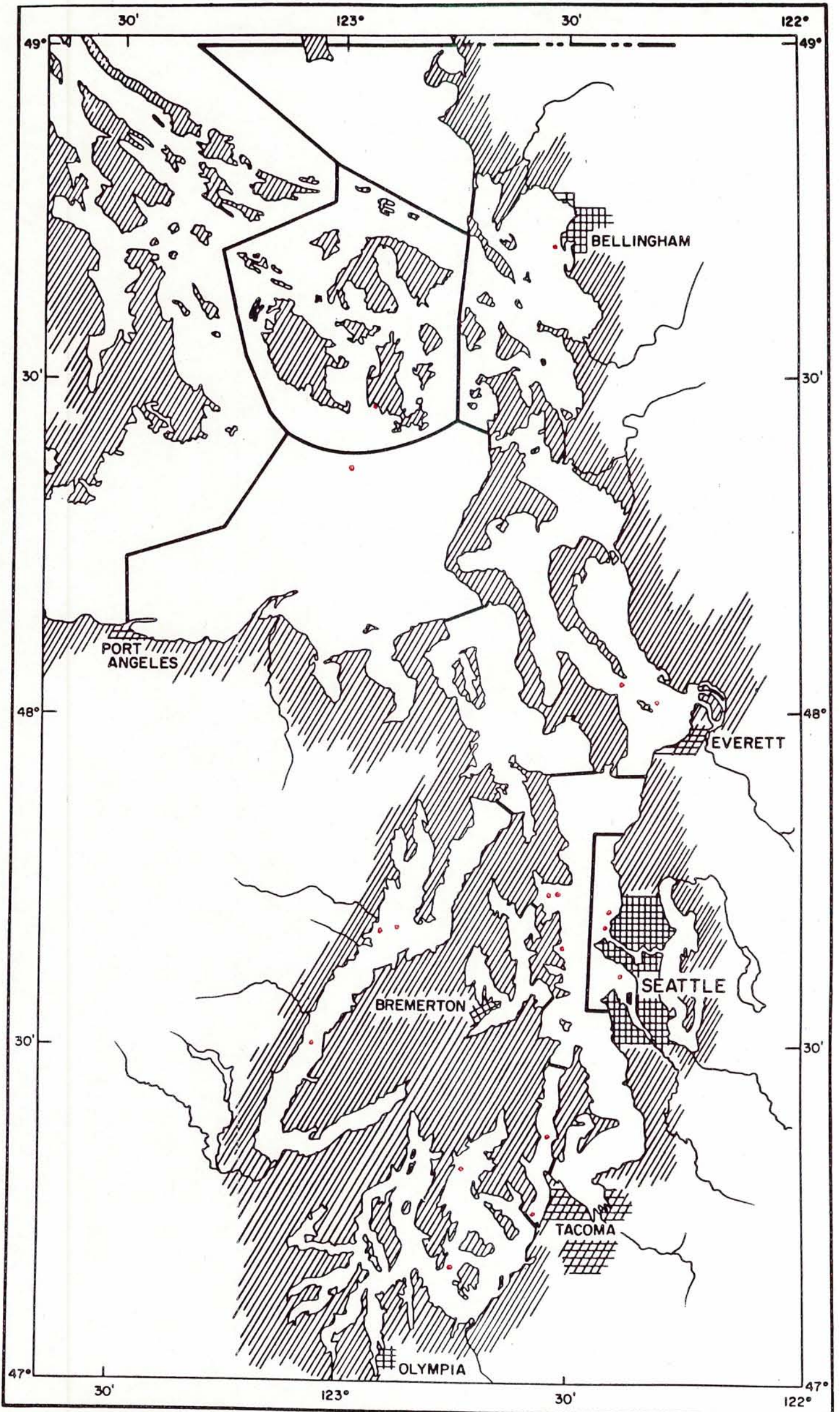
- 1-SJ (off Rocky Bay): 6/30/51-1.
- 1-SJ or JF (Cattle Point to Smith
Island): 6/23/61-1.
- 1-SJ (Squaw Bay): 7/10/61-1.
- 1-SJ (Upright Head to East Sound):
7/10/61-2.
- 1-SJ or JF (McArthur Bank or East
Sound): 6/23/67.

University of Washington Boat Log

- 1-S (off Golden Gardens): 5127A.
- 1-S (off Meadow Point to Carkeek
Park): 5203A.
- 1-SS (mid-channel, Glen Cove to
Green Point, Carr Inlet):
6724B-1.

Miscellaneous Logs

- 1-SJ (Heath's):
Bill High, Diving, 10/22/63.
- 1-E (Mukilteo): Bill High, Diving,
personal communication, 10/22/63.
- 3-SJ (south of Lime Kiln):
Bill High, Diving, personal
communication, 12/30/66.
- 1-E (Skagit or Similk Bay):
WSDF, Sport Fish., 1965-70.
- 13+-HC: WSDF, Sport Fish., 1965-70.
- 1-E (Holmes Harbor): NMFS, Cobb-91.
- 1-JF (northwest of Dungeness Spit):
NMFS, Cobb-92.
- 2-SJ (west side San Juan Island):
Bill High, Diving, personal
communication, 8/2/71.
- 2-JF (north of Ediz Hook):
NMFS, Cobb-25.



Sebastes proriger

Scorpaenidae

Published Records

- 1-SJ: Starks, 1911.
1-SJ: Kincaid, 1919.

University of Washington
Museum Collection

- 1-SJ (Davis Bay): 2164.
1-E (Camano Head, Saratoga Pass.):
2553.
1-E (east of Gedney Island): 2579.
1-S (Elliott Bay): 2726.
1-HC (Brinnon):
1-S (off Golden Gardens): 15674.
1-CS (Murden Cove):
19875 (also boat 6812H or I).

Friday Harbor Laboratory Log

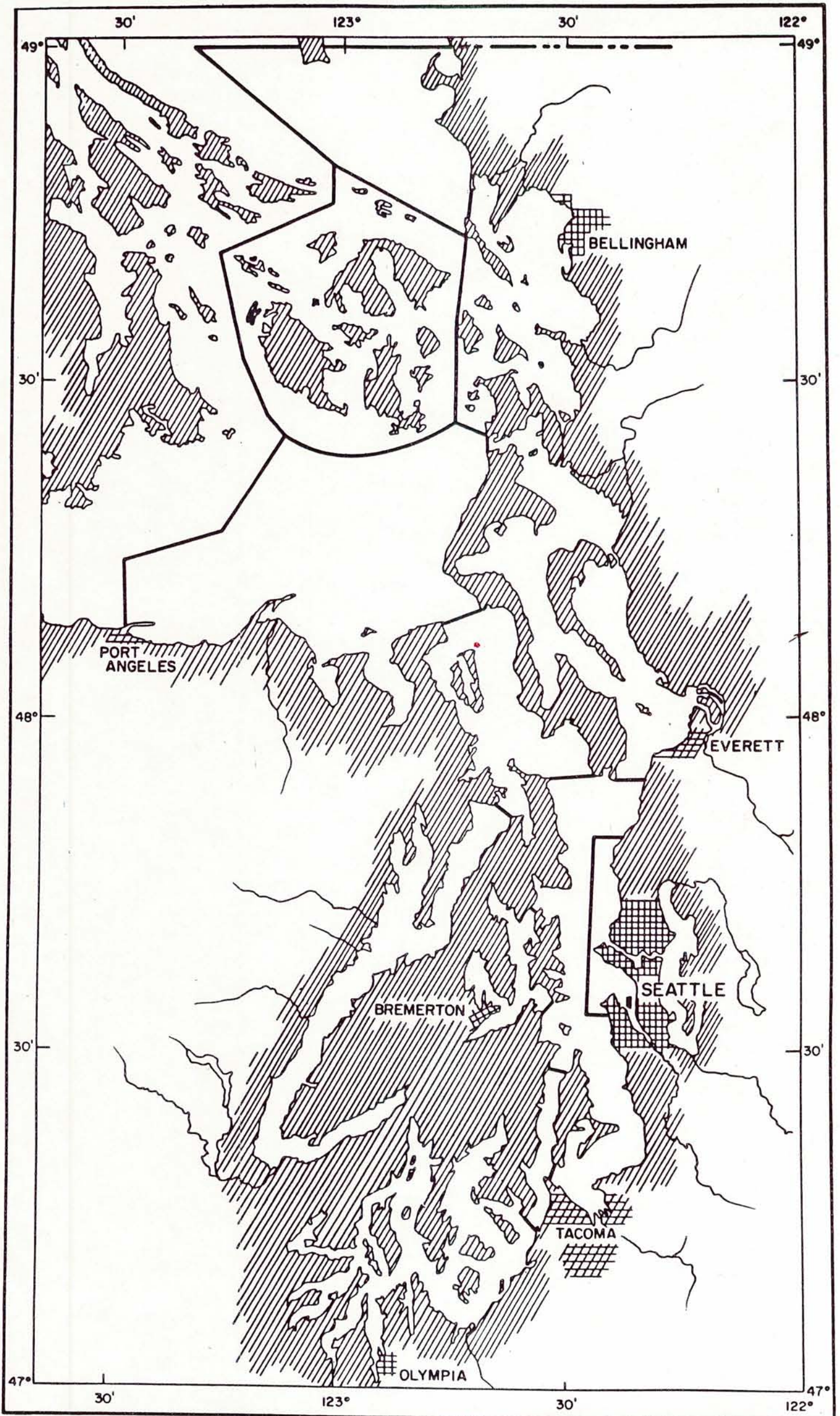
- 1-JF (west of McArthur Bank):
7/19/63-1).

University of Washington Boat Log

- 1-S (off Meadow Point to Carkeek
Park): 5203A.
1-B (training cruise area: southwest
of Post Point): 6815G.

Miscellaneous Logs

- 7-HC (sport catch):
WSDF, Sport Fish., 1965-70.
1-HC (off Dabob Bay):
NMFS, Cobb-68.
1-HC (off Ayock Point):
NMFS, Cobb-68.
2-CS (Port Madison):
Van Cleve, trap, 1961-65.
1-CP (sport catch: south end of
Tacoma Narrows near Point
Fosdick): Stu Thornton, 5/15/73.
1-SS (Drayton Pass.): WSDF,
Groundfish Trawl Log, 1972.
1-CP (off Camp Sealth): WSDF,
Groundfish Trawl Log, 26, 21.
1-SS (Carr Inlet, off north of Home
to off between Glen Cove and
Minter Creek): WSDF, commercial
catch comp., 2/13/74.

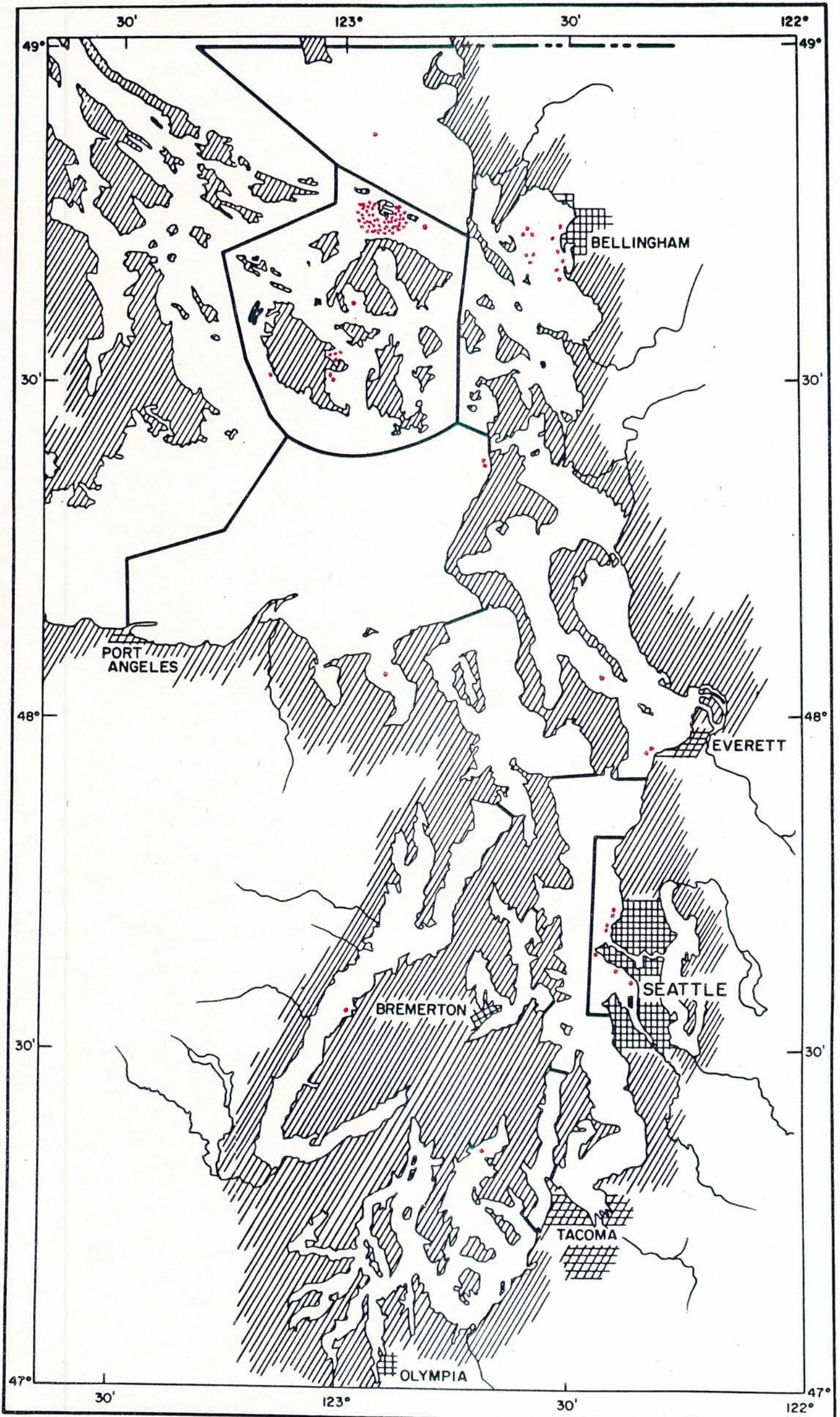


Sebastes rosaceus

Scorpaenidae

Published Records

1-AI (seined, Marrowstone Point):
Evermann and Goldsborough, 1907.



Sebastes ruberrimus

Scorpaenidae

Published Records

- 1-PS: Jordan and Starks, 1896.
 1-S (Seattle): Jordan, 1884.
 1-PS: Kincaid, 1919.
 1-HC (Holly):
 Schultz and DeLacy, 1935-36.
 1-GS: Smith, 1936.
 1-B (Bellingham Bay): Smith, 1936.
 10+-SJ (sport catch):
 Haw and Buckley, 1971.
 10+-B (sport catch):
 Haw and Buckley, 1971.
 1-SJ (Friday Harbor):
 Kohlruss, 1933.

University of Washington
Museum Collection

- 2-PS: 2728; 5591.
 1-S (off wharf at Seattle): 2839.
 1-S (off Carkeek Park): 14414.
 1-E (Mukilteo): 15183.

Friday Harbor Laboratory Log

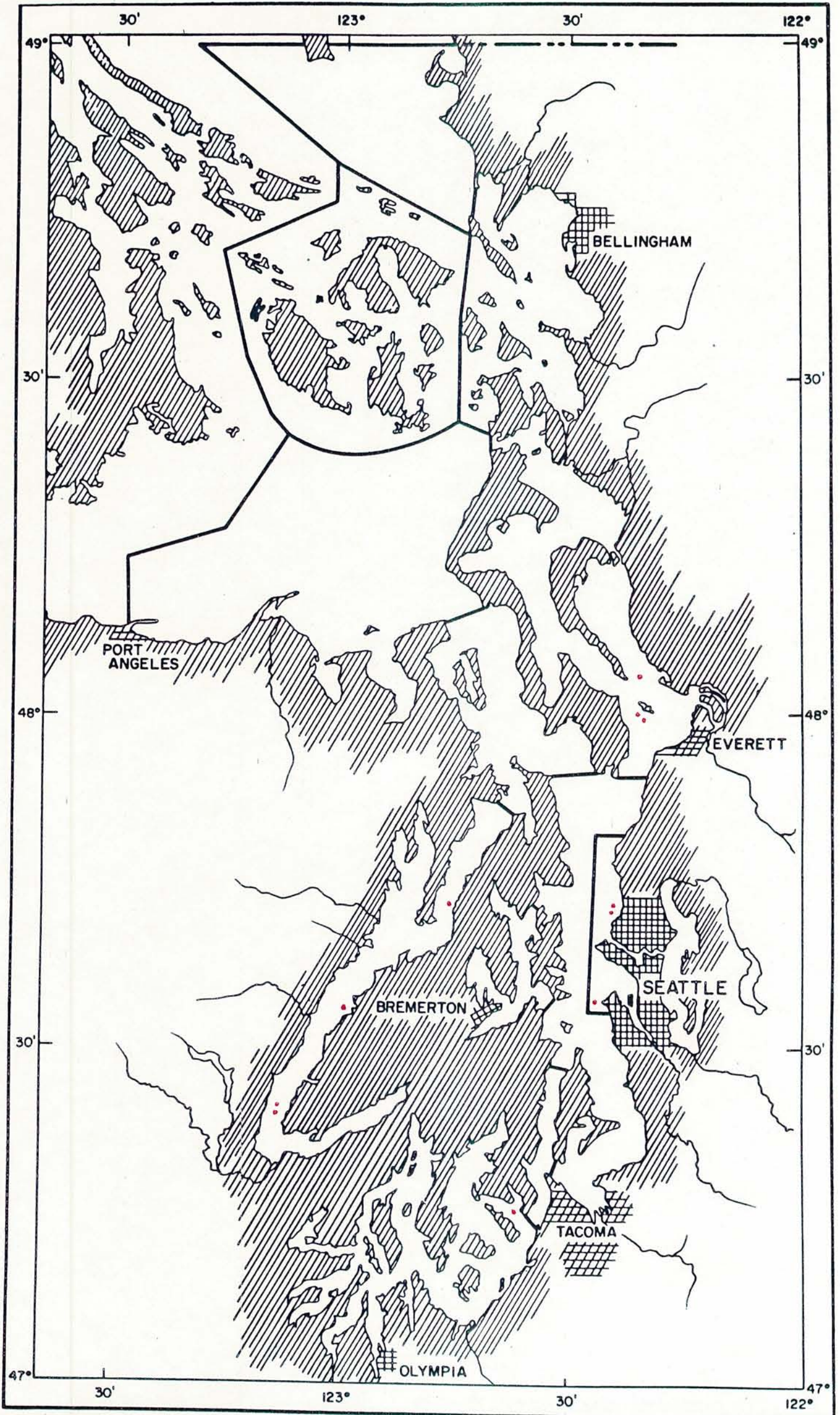
- 1-SJ (east of Puffin Island):
 6/20/50-4.
 1-SJ (West Sound): 7/26/60-2.
 2-SJ (Argyle Bay):
 8/11/60-2; 6/22/61.

University of Washington Boat Log

- 2-S (off Golden Gardens):
 5017B; 5112A.
 1-SS (off Minter Creek): 7/19/49-1.
 1-S (off Meadow Point to Carkeek
 Park): 5203B.
 1-S (1 mile southwest of West
 Point): 6806C.
 1-E (training cruise area: Saratoga
 Pass., north of Langley): 7213D.

Miscellaneous Logs

- 3-SJ (Friday Harbor; Hanna Point;
 and San Juan Island):
 Bill High, Diving, personal
 communication, 10/22/63.
 1-E (Mukilteo): Bill High, Diving,
 personal communication, 10/22/63.
 1-SJ (south of Lime Kiln):
 Bill High, Diving, personal
 communication, 12/30/66.
 1-B (Bellingham Bay): Bill High,
 personal communication, 12/9/63.
 2-JF (off West Beach):
 WSDF, Sport Fish., 1965-70.
 2-SJ: WSDF, Sport Fish., 1965-70.
 13+-HC: WSDF, Sport Fish., 1965-70.
 1-JF (Discovery Bay): WSDF,
 groundfish trawl, through 1970.
 50+-SJ (Sucia Island): Allyn
 Johnson, Sport Catch, personal
 communication, 1972.



Sebastes saxicola

Scorpaenidae

Published Records

- 1-SS (Hale Pass.): Smith, 1936.
1-HC (Holly): Smith, 1937.
2-E (Gedney Island): Smith, 1937.

University of Washington
Museum Collection

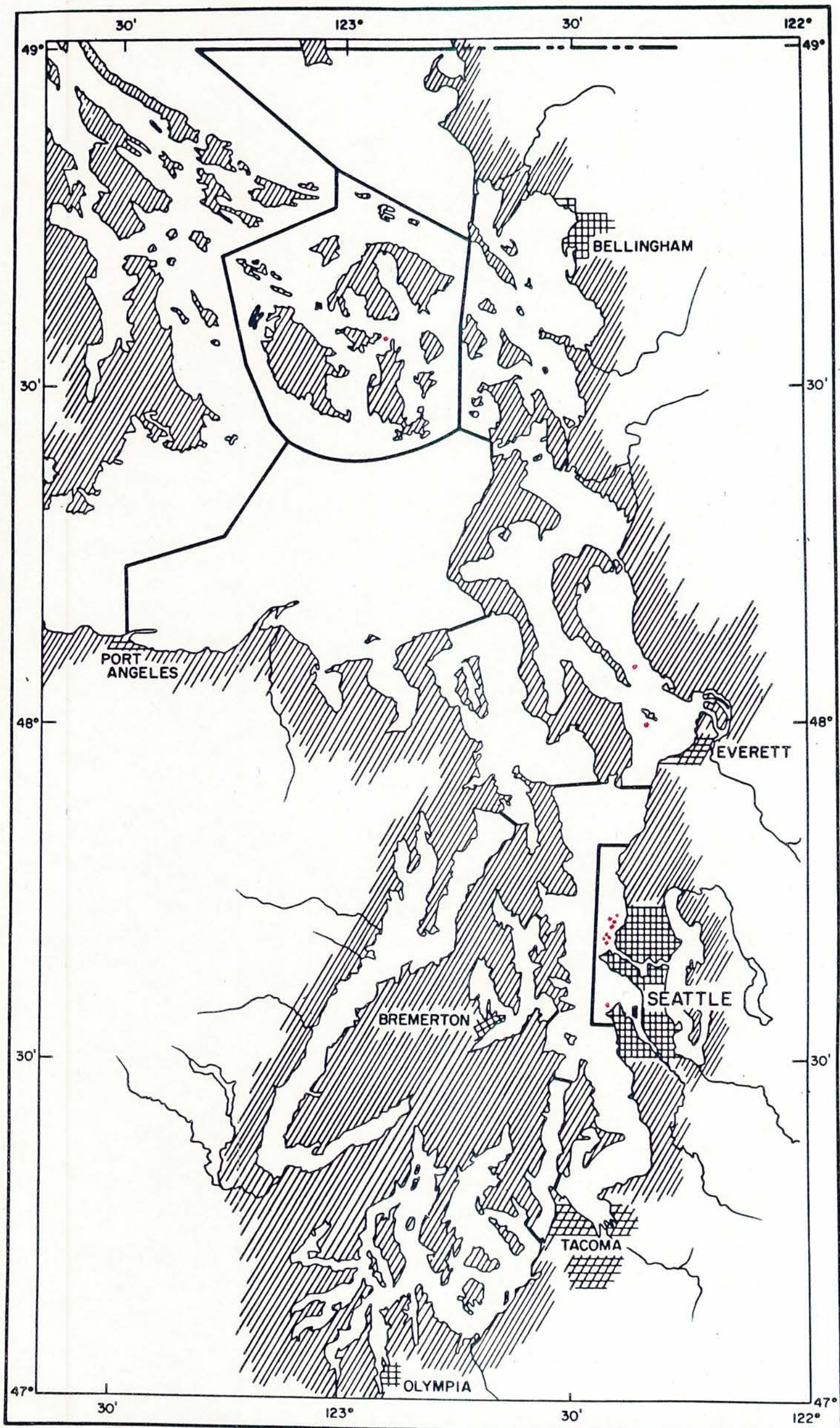
- 2-HC (off Hoodspert): 3753; 3759.
1-E (Camano Island and mainland):
4015.
1-S (Alki Point): 4505.

University of Washington Boat Log

- 2-S (off Carkeek Park):
5041B; 5020A.

Miscellaneous Logs

- 1-HC (otter trawl: 75 to 85-foot
depth, Carlson Point to King
Spit): Sea Grant, 73039.



Sebastes zacentrus

Scorpaenidae

Published Records

- 1-PS: Starks, 1911.
 1-SJ: Kincaid, 1919.

University of Washington
Museum Collection

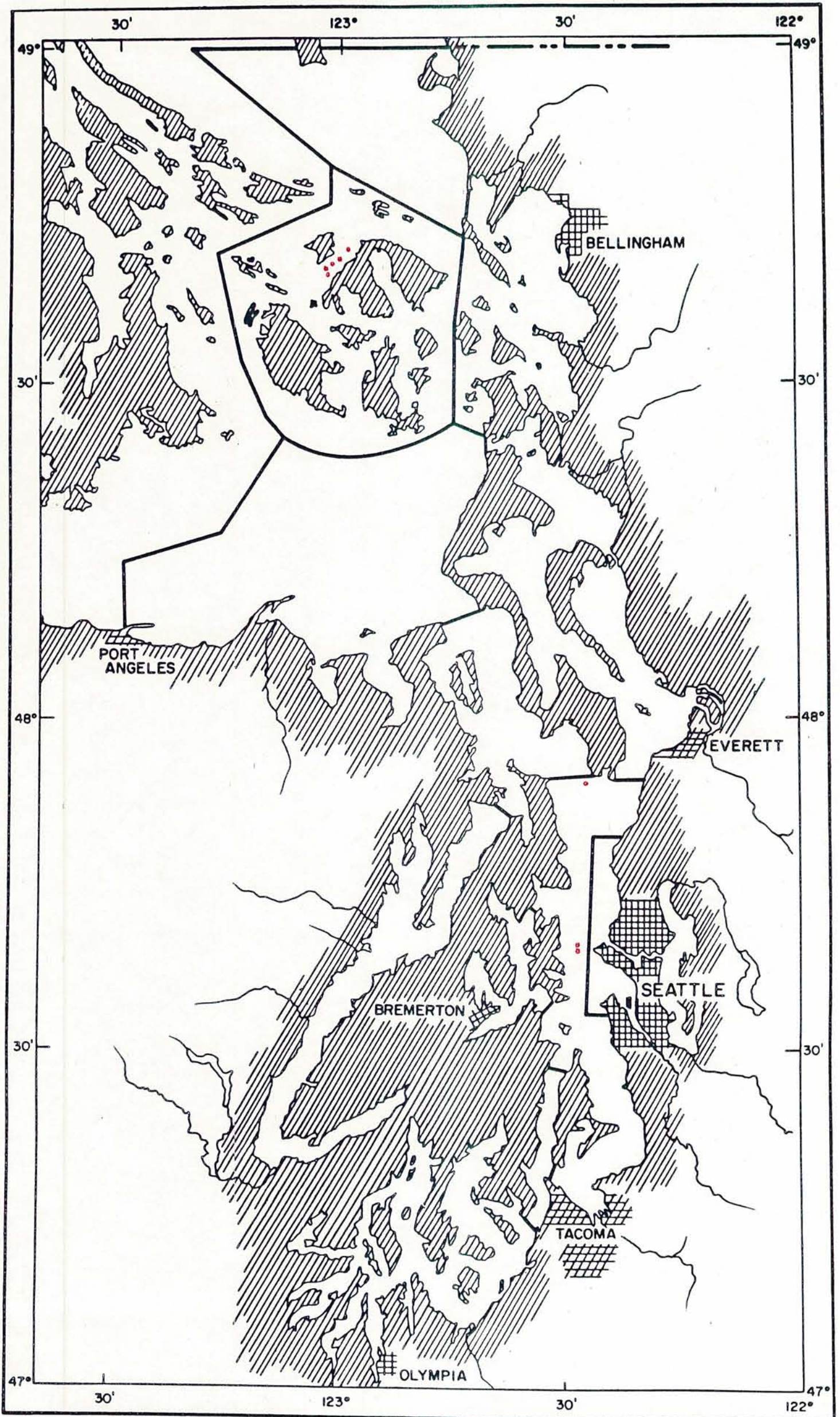
- 1-S (Golden Gardens): 6150.
 1-S (off Golden Gardens):
 14447 (also boat 496B).
 1-S (off Duwamish Head to Alki
 Point): 14672.
 1-E (Gedney Island): 14418.
 1-E (off Spee-Bi-Dah, Port Susan):
 15166.
 1-S (off Carkeek Park): 14396.

Friday Harbor Laboratory Log

- 1-SJ (north part of Upright
 Channel): 6/19/50-1.

University of Washington Boat Log

- 2-S (off Golden Gardens):
 5008C; 5033A.
 2-S (off Carkeek Park):
 5110A; 5020A.
 1-S (off Meadow Point to Carkeek
 Park): 5203A.



Sebastolobus alascanus

Scorpaenidae

University of Washington
Museum Collection

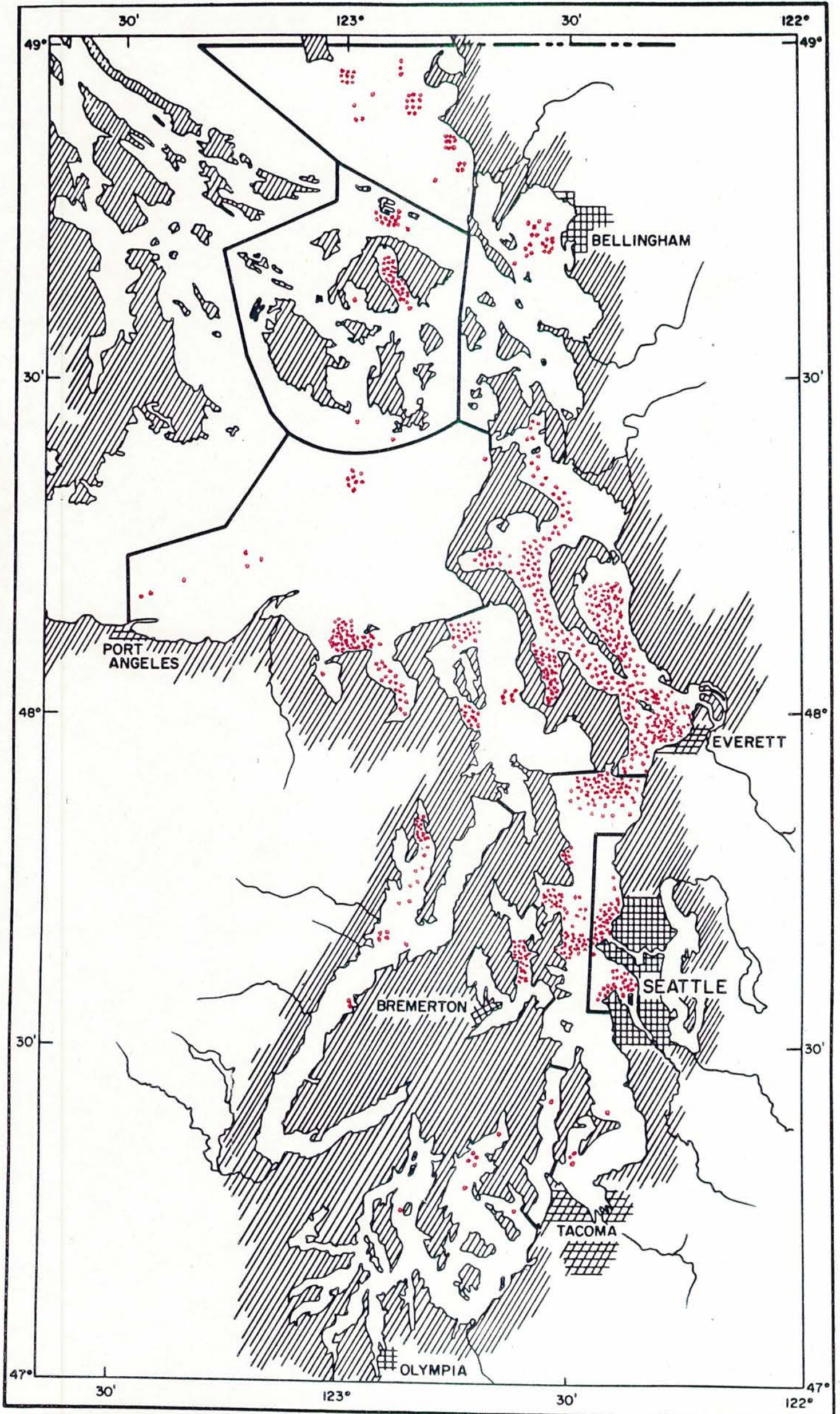
- 1-CS (Possession Point to Point No Point): 5572.
4-SJ (President Channel):
11671; 11743; 11744 (also Friday Harbor Log, 7/14/52-6); 16703.
1-CS (training cruise area: mid-channel, Skiff Point to West Point): 19501 (also boat 6606B).

Friday Harbor Laboratory Log

- 1-SJ (President Channel, southeast of Point Disney): 8/25/55-1.

University of Washington Boat Log

- 1-CS (training cruise area: mid-channel, Skiff Point to West Point): 6819B.



Anoplopoma fimbria

Anoplopomatidae

Published Records

- 1-S (Seattle, fishing from the wharfs):
Jordan and Gilbert, 1882.
1-GS: Smith, 1936.
1-B (Bellingham Bay): Smith, 1936.
1-E (Coupeville): Smith, 1936.
1-JF (Sequim Bay): Smith, 1936.
1-SS (Hale Pass.): Smith, 1936.
3-JF (mid-channel, northwest of Dungeness Spit): Greenwood, 1957 (also NMFS, Cobb-25).
1-E (Port Gardner Bay): Salo, 1969.
1-E (Skagit Bay): Salo, 1969.
50+-E (Port Gardner, Port Susan and Saratoga Pass.):
Haw and Buckley, 1971.
50+-CS (especially the Possession Bar area):
Haw and Buckley, 1971.

University of Washington
Museum Collection

- 1-PS: 194.
1-SJ (West Sound): 2252.
1-E (Holmes Harbor, off Dines Point): 6146.
1-S (off Carkeek Park):
7878 (also boat 5211B).
1-S (off Ballard): 14384.
1-CS (off Point Monroe):
14400 (also boat 5805C).
1-SJ (East Sound): 17071 (also Friday Harbor Log, 6/20/63).
3-JF (west of McArthur Bank):
17695 (also Friday Harbor Log, 6313); 17696 (also Friday Harbor Log, 6315); 18388 (also Friday Harbor Log, 7/18/63-1).

Friday Harbor Laboratory Log

- 3-SJ (East Sound):
6/28/51-2; 7/6/60-2; 8/13/60-1.
5-JF (west of McArthur Bank):
7/12/51-1; 7/7/52-1; 8/3/55-1 (also boat 5520A); 7/19/63-1; 7/8/69-1.
1-B (off Reil Harbor, Lummi Island):
7/26/51-1.
2-B (Bellingham Bay):
7/26/51-2; 6/22/55.
1-SJ (south part of East Sound):
6/20/50-2 (also boat 5033I).
1-SJ (Lopez Sound and East Sound):
7/1/52.
1-SJ (Orcas Island to Matia Island):
7/14/52-3.
1-SJ (East Sound or West Sound):
7/25/55.
1-JF or SJ (Cattle Point to Smith Island): 6/28/61-1.
1-SJ (south of Lopez Island):
6/27/63-A.

- 5-SJ (mid East Sound): 1/17/64;
2/21/64; 4/3/64; 6/5/64; 7/11/64.

University of Washington Boat Log

- 1-JF (Discovery Bay): 5318A.
9-SJ (training cruise area: East Sound, north of Rosario Point):
6603H; 6614H; 6620H; 6717H;
6815H; 6819H; 6908H; 6914H;
7118H.
1-SJ (southeast of Cattle Point):
5520B.
7-B (training cruise area: southwest of Post Point):
6717G; 6815G; 6826G; 6614G;
6630G; 6908G; 7010G.
1-B (Bellingham Bay): 6822G.
1-E (off Spee-Bi-Dah): 5023D.
2-E (Penn Cove mouth, off Long Point to off Snatelum Point):
5213A; 5220E.
3-E (Penn Cove, off Coupeville to off Lovejoy Point):
5213B,C; 5316I.
9-E (Holmes Harbor, Rocky Point to Dines Point): 5220D; 5307C,K,L,R,S; 5312H,I; 5327C.
23-E (Holmes Harbor, south of Classic):
5234E; 5307E,F,G,P,T,U; 5312B,C,D,E,N; 5316D,E,M; 5321Y; 5501A,C,E,F; 5611B; 5810E; 5305G.
9-E (Holmes Harbor, Dines Point to Classic): 5305C; 5312F; 5316A,C; 5405G,H; 5501D; 5712E,F.
32-E (Holmes Harbor): 5305F,H,I,J,K; 5325A,C; 5327A,B; 5405A,B,C,D,F; 5418A,B,C,D; 5420A,B,C; 5522D; 5604D,F,G; 56130,Q,R; 5614D,F; 5810A; 6821.5E.
3-E (Saratoga Pass., Snatelum Point to Onamac Point):
5316K; 5330F; 5418H.
1-E (Penn Cove, Lovejoy Point to Long Point): 5321B.
4-E (Penn Cove):
5405K; 5420G; 5522G; 5613U.
2-E (Saratoga Pass., Onamac Point to Indian Beach): 5405L,N.
1-E (Saratoga Pass., Cama Beach to Lowell Point): 5712D.
2-E (Port Susan): 6821.5A,C.
1-E (near Penn Cove): 6822E.
1-E (Port Susan, north of Kayak Point to Tulalip): 7112.
1-E (south part of Saratoga Pass.):
6722X.
1-E (north part of Saratoga Pass.):
6821.5B.
1-E (Saratoga Pass.): 6821.5D.
3-E (training cruise area: Saratoga Pass., north of Langley):
6512D; 6815D; 7110D.

Anoplopoma fimbria

Anoplopomatidae

University of Washington Boat Log

9-E (training cruise area: off Penn Cove): 6614E; 6717E; 6815E; 6819E; 6826E; 6908E; 7118E; 7213E; 7307E.

4-E (training cruise area: east of Gedney Island): 6620C; 6815C; 6826C; 7010C.

1-E (off Mission Beach): 7204C.

8-HC (Dabob Bay): 6105A; 6202F; 7205I; 7102B, J or I, K, Q; 7112.

16-HC (Dabob Bay, Broad Spit to Long Spit): 6724A; 6828A; 6902A, B, E, F; 6629B; 6804A, B, G; 7003B, C, A; 7303B, C, D.

4-HC (off Pleasant Harbor): 6828E; 6902L; 7003J, I.

1-HC (west of Seabeck Bay): 6902J.

2-HC (Anderson Cove): 7009A, C.

1-CS (off Port Madison): 5043C.

1-CS (Tramp Harbor): 5104A.

2-CS (mouth of Quartermaster Harbor): 5104B; 5115H.

4-CS (Port Madison): 5132D; 5812A; 5924A; 7011C.

2-CS (off Agate Pass.): 5310.2F; 5317C.

3-CS (mid-channel, Meadow Point to Port Madison): 5516A; 5709B; 5911B.

2-CS (east of Point Monroe): 5813B, C.

18-CS (training cruise area: mid-channel, Skiff Point to West Point): 6507B8; 6603B; 6605B; 6607B; 6611B; 6614B; 6620B; 6626B; 6627B; 6819B; 6908B; 7017B, Z; 7110B; 7118B; 7307B; 7308B; 7313B.

27-CS (Murden Cove): 6610C; 6705; 6706B; 6710A, B2, C2; 6713G, H; 6806B; 6809A; 6812E; 6818B; 6821.5G, H, I; 6823-1; 6906D, E; 6912; 7008A, B; 7016C, H; 7108A, B, C, D.

1-CS (Vashon Island, off Sylvan Beach): 6703A.

1-CS (Vashon Island, east of Neill Point): 6703C.

1-CS (off West Point): 7017Y.

3-PO (off south of Fletcher Bay): 5413B, C, D.

8-PO (most off Fletcher Bay): 6214; 6312.5; 6407.2; 7020; 6821.5F; 7011E; 6916H; 7104-1.

26-PO (off Fletcher Bay to south of Battle Point and Brownsville): 5317B; 5413A; 5421; 5523A; 5615A, D; 5709C; 5809A; 5901A, L; 5904A, B; 5915B; 5923A; 6016B1; 6100; 6101C; 6109B; 6111A; 6205D2, D3; 6317; 6425-1A, 2A; 6427A, B; 6311.5.

1-PO (Brownsville to Point White): 6806A.

1-AI (Oak Bay, north of Olele Point): 5009C.

1-AI (training cruise area: east of north Marrowstone Island): 6603J.

21-S (off Golden Gardens to Meadow Point): 496B; 4910A; 5017C; 5029A; 5033A; 5034E; 5112C; 5119G; 5127A; 5210A, C; 5314A; 5329C; 5408B; 5516C; 5907D; 5920F; 6114A; 6311A, E, F.

2-S (off Alki Point to Duwamish Head): 5603A; 5802JJ.

11-S (off Meadow Point to Carkeek Park): 5211C; 5212B, C, D, E, F; 5915C, D; 6414D; 6510B; 7120A.

1-S (off north of Carkeek Park): 6206C.

1-S (off West Point sewer outfall): 6718-6.

1-S (1 mile southwest of West Point): 6806C.

1-S (south of Richmond Beach): 6608A.

1-S (beach seine: Piper Creek): 6510D.

1-S (Meadow Point to Richmond Beach): 6429B.

4-SS (Carr Inlet, off Minter Creek to Glen Cove to off Cutts and Raft Islands): 5101B; 5104Y; 5115F; 5126F.

1-SS (Carr Inlet, off Wauna): 5104G.

1-SS (Carr Inlet, mid-channel, Glen Cove to Green Point): 6724B.

1-SS (Case Inlet, Herron Island): 5126H.

Miscellaneous Logs

1-B (Bellingham Bay): Bill High, personal communication, 12/9/63.

1-AI: Bill High, personal communication, 12/9/63.

1-JF (Discovery Bay): Bill High, personal communication, 12/9/63.

2-HC (upper Hood Canal, lower Hood Canal): Bill High, personal communication, 12/30/66.

1-JF (off West Beach): WSDF, Sport Fish., 1965-70.

21+-E (Skagit Bay and Similk Bay): WSDF, Sport Fish., 1969.

19+-E (Everett): WSDF, Sport Fish., 1968.

6-AI (off Bush Point): WSDF, Sport Fish., 1969.

17+-S (Elliott Bay): WSDF, Sport Fish., 1968.

12+-HC: WSDF, Sport Fish., 1968.

5-S (Duwamish Head to Alki Point): U.W. Ocean., 1964-67.

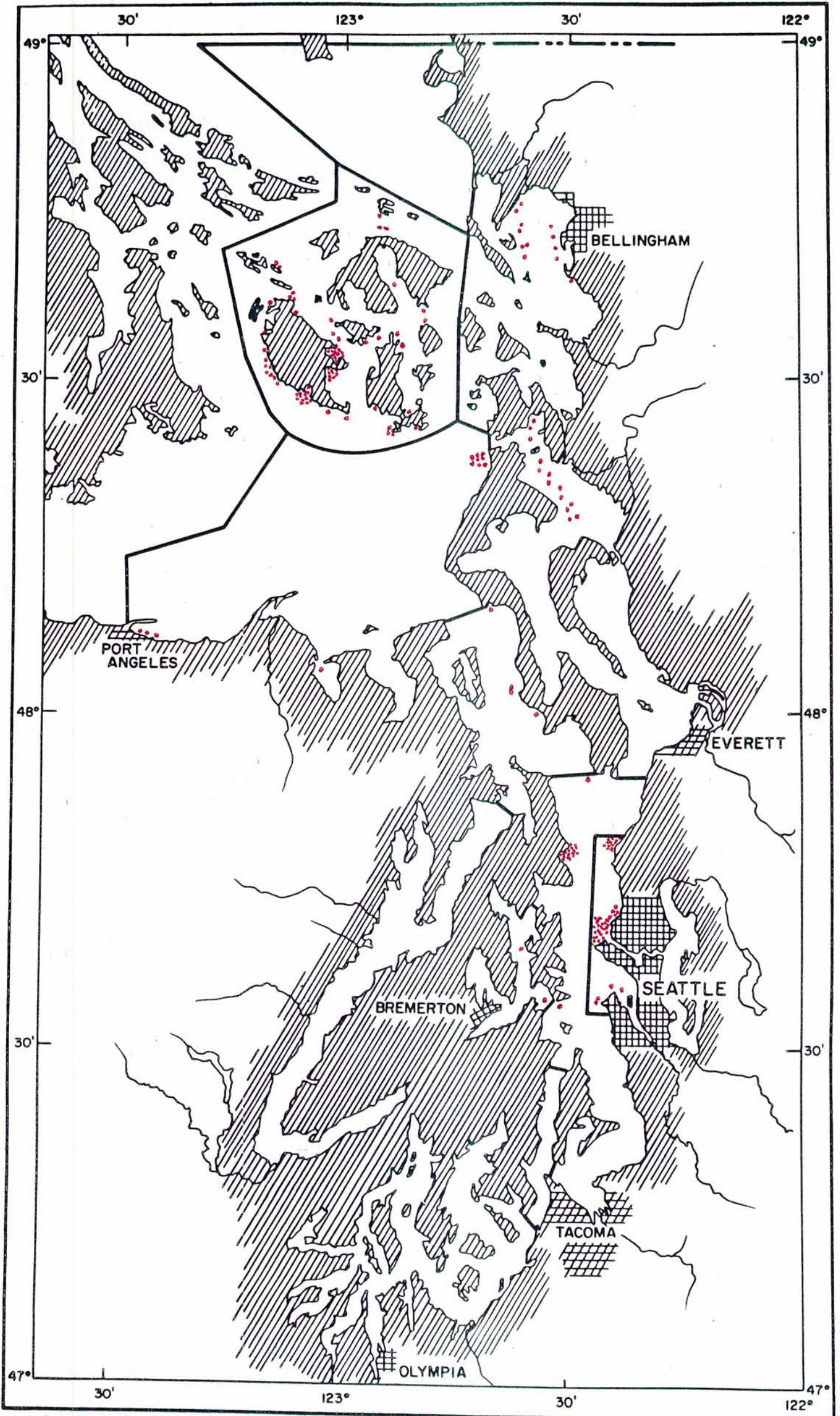
19-E (Port Gardner Bay): U.W. Ocean., P.G., 1962-67.

Anoplopoma fimbria

Anoplopomatidae

Miscellaneous Logs

- 5-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
- 1-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
- 3-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
- 5-E (Port Susan):
U.W. Ocean., Hoh, 1963-67.
- 1-E (Port Gardner Bay):
U.W. Ocean., Hoh, 1963-67.
- 2-E (Penn Cove):
U.W. Ocean., Hoh, 1963-67.
- 1-E (off Demock Point to Utsalady Point):
U.W. Ocean., Hoh, 1963-67.
- 3-E (Holmes Harbor):
U.W. Ocean., Hoh, 1963-67.
- 2-CS (Skiff Point to Point Jefferson): U.W. Ocean., herring trawl, 1968-69.
- 1-E (Port Susan):
U.W. Ocean., Hoh, S.J., 1966.
- 23-JF (Protection Island): WSDF, groundfish trawl, through 1970.
- 16-JF (Discovery Bay): WSDF, groundfish trawl, through 1970.
- 1-CP (Olalla and south): WSDF, groundfish trawl, through 1970.
- 2-AI (Port Townsend): WSDF, groundfish trawl, through 1970.
- 13-AI (Oak Bay): WSDF, groundfish trawl, through 1970.
- 8-B (Bellingham Bay): WSDF, groundfish trawl, through 1970.
- 17-AI (east of Port Townsend):
NMFS, Cobb-35.
- 4-JF (west of Protection Island):
NMFS, Cobb-35.
- 1-JF (Protection Island to Discovery Bay): NMFS, Cobb-35.
- 1-PO (south of Fletcher Bay):
NMFS, Cobb-35.
- 1-JF (mid-channel, north of Morse Creek): NMFS, Cobb-90.
- 2-S (north of Meadow Point):
NMFS, Cobb-91.
- 1-E (north end of Saratoga Pass.):
NMFS, Cobb-91.
- 4-E (Holmes Harbor): NMFS, Cobb-91.
- 1-E (Everett Harbor):
NMFS, Cobb, 1/20/61.
- 14-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
- 5-CS (Port Madison):
Van Cleve, trap, 1961-65.
- 3-E (Holmes Harbor):
Van Cleve, trap, 1961-65.
- 1-E (Saratoga Pass., west side just south of Penn Cove):
Van Cleve, trap, 1961-65.
- 1-E (Penn Cove):
Van Cleve, trap, 1961-65.
- 2-JF (north of Ediz Hook):
NMFS, Cobb-25.
- 3-GS (tow area 1: mouth of Boundary Bay):
WSDF, Gulf Georgia, 1969-71.
- 11-GS (tow area 2: off Birch Bay):
WSDF, Gulf Georgia, 1969-71.
- 9-GS (tow area 3: off Cherry Point):
WSDF, Gulf Georgia, 1969-71.
- 4-GS (tow area 4: off north of Neptune Beach):
WSDF, Gulf Georgia, 1969-71.
- 1-GS (tow area 5: north of Alden Bank):
WSDF, Gulf Georgia, 1969-71.
- 9-GS (tow area 6: southeast of Point Roberts):
WSDF, Gulf Georgia, 1969-71.
- 2-GS (tow area 7: mid-channel):
WSDF, Gulf Georgia, 1969-71.
- 1-GS (tow area 8: mid-channel):
WSDF, Gulf Georgia, 1969-71.
- 1-GS (tow area 9: mid-channel):
WSDF, Gulf Georgia, 1969-71.
- 1-CS (south of Possession Point):
NMFS, Cobb, 2/28/73.
- 20-JF (west of Protection Island):
NMFS, Cobb, 2/28/73.
- 7-CS (in Appletree Cove): Doug Olander, Sport Catch Log, 1972-73.
- 1-S (Carkeek Park): Ed Holmberg, personal communication, 1964.
- 10+-SJ (Sucia Island): Allyn Johnson, Sport Catch, 1972.



Hexagrammos decagrammus

Hexagrammidae

Published Records

1-JF (beach seine: Port Angeles):
Gilbert, 1895.
1-SJ (Sucia Island):
Evermann and Goldsborough, 1907.
1-SJ: Starks, 1911.
1-SJ: Shelford et al., 1935.
1-JF (Sequim Bay): Smith, 1936.
1+-B (Bellingham Bay, north of Eliza
Island): Tyler, 1964.
10+-JF (sport catch):
Haw and Buckley, 1971.
10+-SJ (sport catch):
Haw and Buckley, 1971.
10+-B (sport catch):
Haw and Buckley, 1971.
10+-CS (Kingston breakwater):
Haw and Buckley, 1971.
10+-S (Shilshole and Edmonds
breakwaters):
Haw and Buckley, 1971.
1-SJ (Brown Island):
Kohlruss, 1933.

University of Washington
Museum Collection

1-PS: 198.
1-SJ (Upright Head and Shoal Bay):
673.
1-SJ (Cattle Point): 1018.
1-SJ (Lime Kiln): 1022.
3-SJ (Friday Harbor):
1050; 1053; 1301.
2-SJ (2 miles south of Lime Kiln):
1061; 1063.
2-SJ (Kanaka Bay): 1071; 1245.
1-SJ (Peavine Pass.): 1108.
1-SJ (Davis Bay): 1187.
1-SJ (False Bay): 1272.
2-S (Alki Point): 4226; 4892.
1-CS (Possession Point to Point No
Point): 5571.
1-S (off Golden Gardens):
5743 (also boat 497E).
1-SJ (False Bay reef): 1477.
1-SJ (Brown Island): 2125.
1-SJ (San Juan Island): 11048.
1-SJ (north side Johns Island,
second bay): 14229 (also Friday
Harbor Log, 8/19/52-2).
1-SJ (Iceberg Point tide pool):
15187 (also Friday Harbor Log,
7/22/52-3).
1-SJ (Upright Channel): 17219 (also
Friday Harbor Log, 7/5/63).
1-SJ (point east of Eagle Cove):
17417 (also Friday Harbor Log,
8/5/63).
1-SJ (Deadman Bay): 17955 (also
Friday Harbor Log, 8/2/63).

Friday Harbor Laboratory Log

1-SJ (Reef Bay, northeast side Johns
Island): 7/5/51-1.

1-SJ (Iceberg Point tide pool):
8/4/55-2.
1-SJ (Squaw Bay): 8/1/55.
1-SJ (Brown Island): 8/2/55.
1-SJ (Mud Bay): 8/15/55-3.
8-SJ (Argyle Bay):
8/16/55-1,2,3,4; 7/5/60;
8/11/60-3; 7/12/61-3; 7/15/63.
2-SJ (outside False Bay):
8/17/55-1,2.
1-SJ (San Juan Island, opposite
Henry Island): 7/31/50-2.
1-SJ (south of Neck Point):
8/14/50-1.
1-SJ (north of Neck Point):
8/14/50-2.
5-SJ (Friday Harbor Lab):
7/17/60; 6/16-21/61; 7/2/69-1;
7/15/69-1; 8/13/69-1.
4-SJ (False Bay): 8/5/60; 6/29/61;
6/21/63; 7/18/67.
1-SJ (Mitchell Bay): 8/16/60-1.
2-SJ (North Bay): 8/18/60-1,2.
1-SJ (Iceberg Point): 8/22/60-2.
1-SJ (McArdle Bay): 8/22/60-3.
1-SJ (Smallpox Bay): 7/13/61.
1-SJ (San Juan Island): 5/62.
1-SJ (Deadman Bay): 6/22/63.
1-SJ (off Friday Harbor Lab):
6/24/73.

University of Washington Boat Log

13-S (off Golden Gardens to Meadow
Point): 495D; 497E; 498A; 5009K;
5014C; 5034B; 5112C; 5119C,H;
5907C,D; 6018A; 6206B.
5-S (beach seine: Golden Gardens to
Meadow Point): 5032.1C; 5807A;
6310; 6508A; 6509A.
3-S (off Meadow Point to Carkeek
Park): 5203A; 5216A,B.
2-S (beach seine: Carkeek Park):
5708A,C.

Miscellaneous Logs

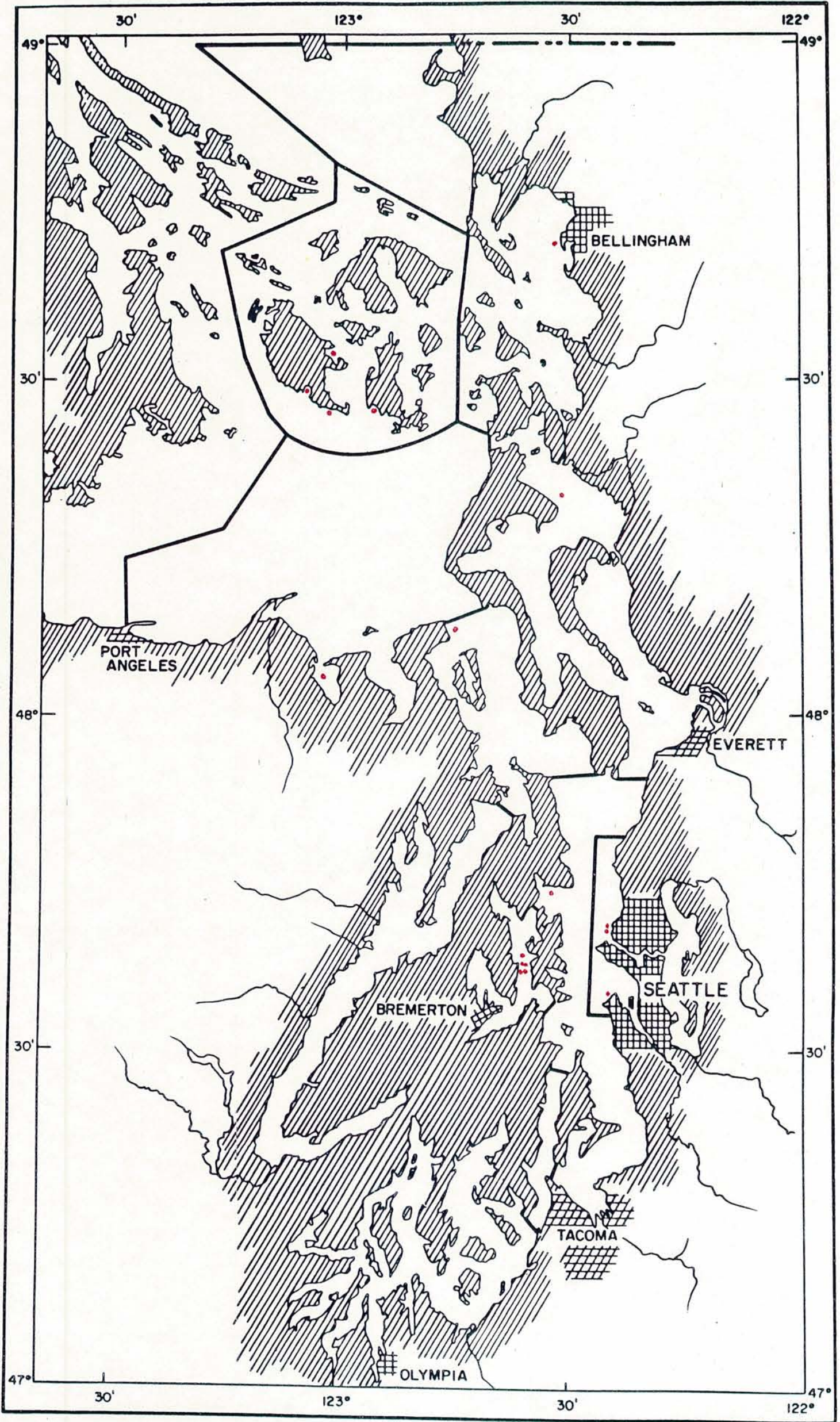
1-SJ: WSDF, Sport Fish., 1970.
8-JF (off West Beach):
WSDF, Sport Fish., 1969.
10+-E (Skagit Bay and Similk Bay):
WSDF, Sport Fish., 1968-69.
2-AI (off Bush Point):
WSDF, Sport Fish., 1965-70.
1-S (Elliott Bay):
WSDF, Sport Fish., 1965-70.
1-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
1-S (Golden Gardens to Meadow
Point):
U.W. Ocean, Hoh, 1963-68.
1-PO (south and north of Fletcher
Bay): U.W. Ocean., Hoh, 1963-67.
2-SJ (north end of Orcas Island):
Allyn Johnson, Sport Catch,
personal communication, 1972.

Hexagrammus decagrammus

Hexagrammidae

Miscellaneous Logs

- 1-SJ (Obstruction Pass.):
Al Milbun, Diving, 1961.
- 1-AI (Keystone ferry):
Al Milbun, Diving, 4/9/61.
- 1-SJ (East Sound south of Rosario Point): NIH, 1964-66.
- 2-JF (beach seine: Port Angeles embayment):
Peninsula College, 1971.
- 3-SJ (Limestone Point):
Bruce Miller, Diving Log, 9/6/65;
7/23/66; 7/30/66.
- 4-SJ (Friday Harbor): Bruce Miller,
Diving Log, 9/10/65; 3/12/66;
6/20/66; 7/22/66.
- 1-SJ (west-central side of San Juan Island): Bruce Miller, Diving Log, 3/27/66.
- 1-SJ (Edwards Reef, west-central San Juan Island): Bruce Miller,
Diving Log, 8/16/66.
- 1-PO (Orchard Rocks): Bruce Miller,
Diving Log, 6/25/69.
- 1-AI (Mutiny Bay):
Sea Grant, 73049.
- 1-CS (south end of Bainbridge Island): Doug Olander, Sport Catch Log, 1972-73.
- 1-SJ (Rocky Bay): Doug Olander,
Sport Catch Log, 1972-73.
- 1-B (beach seine: Wildcat Cove):
Sea Grant, 1973.
- 1-SJ (Lopez Sound, just north of Flower Island): Doug Olander,
Sport Catch Log, 1972-73.



Hexagrammos lagocephalus

Hexagrammidae

Published Records

- 1-AI (Port Townsend): Bean, 1884.
 1-PS:
 Jordan and Gilbert, 1882; 1881c.
 1-PS: Kincaid, 1919.

University of Washington
Museum Collection

- 1-SJ (Davis Bay): 607.
 1-SJ (Friday Harbor): 1049.
 1-SJ (south beach near American
 Camp): 200543 (also Friday
 Harbor Log, 8/13/69-2).

Friday Harbor Laboratory Log

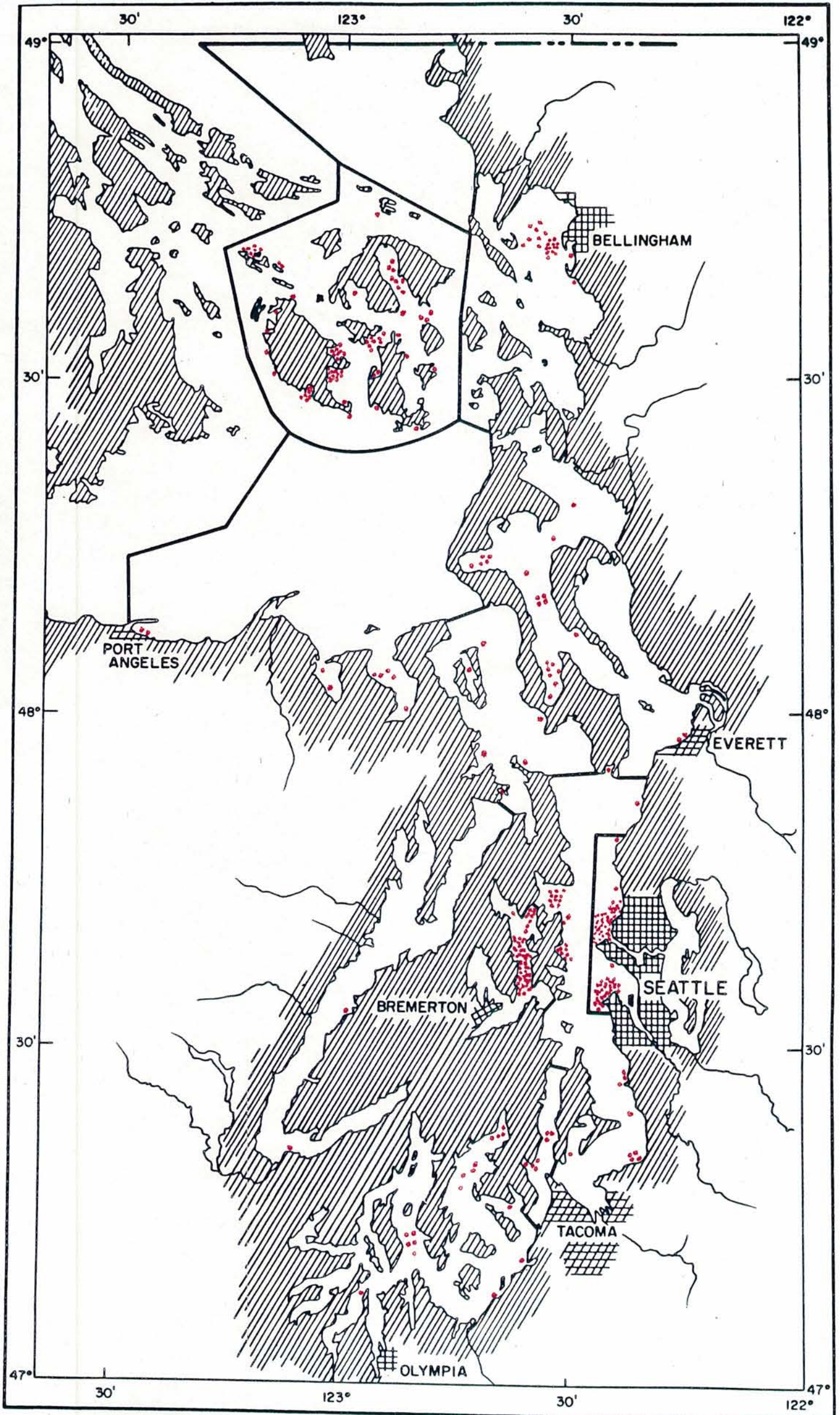
- 1-SJ (either False Bay or Argyle
 Bay): 5/9-10/62.
 1-SJ (False Bay): 7/1/69.

University of Washington Boat Log

- 1-B (training cruise area: southwest
 of Post Point): 6603G.

Miscellaneous Logs

- 1-S (Duwamish Head to Alki Point):
 U.W. Ocean., 1964-67.
 4-PO (south of Fletcher Bay):
 U.W. Ocean., P.O., 1964-65.
 2-S (Golden Gardens to Meadow
 Point):
 U.W. Ocean., Hoh, 1963-68.
 1-PO (south and north of Fletcher
 Bay): U.W. Ocean., Hoh, 1963-67.
 1-CS (Port Madison):
 U.W. Ocean., Hoh, 1963-68.
 1-JF (Sequim Bay):
 Battelle, 1967-69.
 1-E (Skagit Bay and Similk Bay):
 WSDF, Sport Fish., 1965-70.



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Published Records

- 1-SS (Fort Steilacoom):
Suckley, 1860; Girard, 1859;
Gunther, 1860.
- 1-JF (Port Angeles):
Jordan and Starks, 1896.
- 1-AI (Port Ludlow): Starks, 1896b.
- 1-SJ (Sucia Island):
Evermann and Goldsborough, 1907.
- 2-AI (Kilisut Harbor; Marrowstone
Point):
Evermann and Goldsborough, 1907.
- 1-SJ: Starks, 1911.
- 1-HC (Holly):
Schultz and DeLacy, 1935-36.
- 2-E (Coupeville): Smith, 1936.
- 2-JF (Sequim Bay; Discovery Bay):
Smith, 1936 (also Discovery Bay
record is museum 3869).
- 1-SS (Hale Pass): Smith, 1936.
- 3-B (Bellingham Bay): Smith, 1936.
- 1-SJ (Obstruction Island):
Smith, 1937.
- 1+-B (Bellingham Bay, north of Eliza
Island): Tyler, 1964.
- 6-S (Duwamish Head): Salo, 1969.
- 1-E (Skagit Bay): Salo, 1969.
- 1-CS (beach seine: south side of
Point Jefferson): Kendall, 1966.
- 2-CS (Seahurst County Park):
Miller, 1971a (also boat 7113 and
NIH, 71101).

University of Washington
Museum Collection

- 1-PS: 199.
- 1-SJ (Argyle Bay): 556.
- 4-SJ (False Bay):
574; 587; 1127; 2267.
- 1-SJ (East Sound, White Beach):
588.
- 1-SJ (Davis Bay): 601.
- 3-SJ (East Sound): 615; 741; 18706
(also NIH, 1964-66).
- 1-SJ (Squaw Bay): 653.
- 7-S (Alki Point): 659; 751; 786;
819; 924; 1922; 4315.
- 1-SJ (Upright Head and Shoal Bay):
675.
- 1-SJ (Flat Point): 721.
- 1-SJ: 732.
- 1-S (Seattle): 843.
- 1-S (beach seine: spit near Ballard
Locks): 4581.
- 1-S (North Beach): 4696.
- 1-SS (Carr Inlet, Purdy): 14232.
- 3-CS (Redondo Beach):
5316; 5078; 5125.
- 1-CS (beach seine: Redondo Beach):
4745.
- 1-PO (Agate Pass., buoy N4-N6):
6028 and 8156 (also boat 5106E).
- 1-CS (beach seine: Cultus Bay):
16360.
- 1-B (Chuckanut Bay): 18278.

- 1-SJ (Upright Channel): 17221 (also
Friday Harbor Log, 7/5/63).
- 1-SJ (Cattle Point): 1016.
- 1-SJ (near Peavine Pass.): 1109.
- 1-SJ (Peavine Pass.): 2089.
- 1-SJ (Brown Island): 2126.
- 1-B (Point Francis, Bellingham Bay):
3780.
- 1-AI (Bywater Bay): 4454.
- 3-S (Carkeek Park):
5536; 5541; 14279.
- 1-SJ (Friday Harbor): 6104.
- 1-SJ (Fisherman Bay): 6203.
- 1-SJ (north side of Johns Island,
second bay): 14228 (also Friday
Harbor Log, 8/19/52-2).
- 1-S (Edmonds Beach): 14234.

Friday Harbor Laboratory Log

- 1-SJ (off Fish Creek, Cattle Point):
7/21/52.
- 10-SJ (Argyle Bay):
7/21/52; 8/11/60-2,3; 6/22/61;
7/8/61; 7/12/61-1,3; 7/18/61-2;
8/3/61; 7/10/69-4.
- 2-SJ (Prevost Harbor):
8/19/52; 7/10/50-4.
- 3-SJ (Squaw Bay):
8/1/55; 8/1/60-1; 7/10/61-1.
- 1-SJ (Upright Channel, Odlin Park):
8/1/55.
- 1-SJ (Johns Island): 7/10/50-2.
- 2-SJ (Satellite Island):
7/10/50-5,6.
- 3-SJ (north side Stuart Island,
probably Prevost Harbor):
7/10/50-7,8,9.
- 1-SJ (west of Decatur Head):
7/24/50-1.
- 1-SJ (south of Frost Island):
6/19/50-2 (also boat 5033D).
- 1-SJ (West Sound): 7/26/60-2.
- 4-SJ (False Bay): 7/17/50-1;
8/5/60; 6/29/61; 6/21/63.
- 1-SJ (Upright Head to Olga):
8/1/60-2.
- 1-SJ (Mitchell Bay): 8/16/60-1.
- 1-SJ (Westcott Bay): 8/16/60-2.
- 1-SJ (McArdle Bay): 8/22/60-3.
- 1-SJ (Smallpox Bay): 7/13/61.
- 1-SJ (mid East Sound): 4/3/64.
- 1-SJ (Squaw Bay or West Sound):
6/30/67.
- 1-SJ (Squaw-Ogden): 6/27/69.
- 2-SJ (Argyle Lagoon):
7/10/69-3; 7/9/73.

University of Washington Boat Log

- 1-SJ (beach seine: Fisherman Bay):
50330.
- 2-SJ (training cruise area: East
Sound, north of Rosario Point):
6603H; 6614H.

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University of Washington Boat Log

13-B (training cruise area:
southwest of Post Point): 6507G;
6603G; 6614G; 6620G; 6815G;
6819G; 6908G; 7010G; 7017G;
7110G; 7118G; 7307G; 7313G.

4-E (Holmes Harbor):
5307G,M,N; 5405A.

1-E (mid Holmes Harbor): 5312K.

1-E (lower Holmes Harbor): 5312L.

1-E (beach seine: Good Beach, Penn
Cove): 5316H.

4-E (Saratoga Pass., Onamac Point to
Indian Beach):
5405L,N; 5418K,L.

1-E (Elger Bay): 54050.

1-E (south of Snatelum Point,
Saratoga Pass.): 5712C.

3-CS (Port Madison):
6/30/49; 5043A; 5131B.

1-CS (mouth of Quartermaster
Harbor): 5115H.

1-CS (north of Des Moines): 5224A.

1-CS (off Fay Bainbridge State
Park): 5805A.

1-CS (beach seine: south of Fay
Bainbridge State Park): 5806B.

15-CS (Murden Cove): 2-7108; 6610A,
C,D; 6613B; 6710B2; 6713C; 6809A;
6812B,C,E; 6818C; 6906D; 7308A.

2-PO (south part of Agate Pass):
495C; 4910B.

4-PO (Agate Pass., buoy N4-N6):
5132C; 5310.3D,.5J; 5048A.

8-PO (off Fletcher Bay to off south
of Battle Point and Brownsville):
5309A; 5310.3B; 5707A; 6001AM;
6008A; 6205D1; 5223B; 6016A1.

1-PO (off Seabold Wharf): 6617A.

3-PO (probably off Fletcher Bay):
6713A; 7206; 7313X.

1-PO (off Manzanita to off Seabold):
5310.1D.

1-PO (Point Bolin to Keyport):
5310.4E.

2-PO (beach seine: 1 mile north of
Illahee dock): 6205A2.1,.2.

1-PO (between "B-2" and "B-1"):
6205C2.

12-S (off Golden Gardens and Meadow
Point): 498A; 5014C; 5112E;
5119H; 5203C,D; 5233C; 5329A;
5607A; 5704E; 5907C,D.

18-S (beach seine: Golden Gardens to
Meadow Point):
5036A; 5116B,D1,F,G2; 5134A,B;
5137A,B; 5209E,D; 5710A,D; 5804A;
5807A; 5914A; 6019B; 6417.

1-S (Meadow Point): 6414A.

1-S (off Meadow Point to Carkeek
Park): 5212A.

5-S (beach seine: Carkeek Park):
5219A; 5221B; 5225B; 5231A;
5808B.

1-S (Meadow Point to Richmond
Beach): 6429A.

3-CP (off Camp Sealth):
5009E,F; 5104CC.

2-SS (off Raft and Cutts Islands):
5104M,AA.

1-SS (Carr Inlet): 5522C.

3-SS (off Wauna):
5045I; 5101A; 5104E.

1-SS (trap: Eld Inlet entrance):
6219-2.

Miscellaneous Logs

8-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.

2-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.

34-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.

7-S (Golden Gardens and Meadow
Point):
U.W. Ocean., Hoh, 1963-68.

17-PO (south and north of Fletcher
Bay): U.W. Ocean., Hoh, 1963-67.

5-SS (Case Inlet, off Taylor Bay to
off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.

1-SS (Carr Inlet, off Horsehead
Bay): U.W. Ocean., Hoh, 1963-67.

8-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.

1-CS (Norma Beach):
U.W. Ocean., Hoh, 1963-68.

1-E (off Demock Point to Utsalady
Point):
U.W. Ocean., Hoh, 1963-67.

1-E (Penn Cove):
U.W. Ocean., Hoh, 1963-67.

1-AI (Skunk Bay):
U.W. Ocean., Hoh, S.J., 1966.

1-JF (Discovery Bay):
U.W. Ocean., Hoh, S.J., 1966.

2-SJ (East Sound, south of Rosario
Point): NIH, 1964-66.

2-B (off Nooksack River to Marine
Drive): NIH, 1968-71.

1-S (Golden Gardens to Carkeek
Park): NIH, 1968-71.

1-E (Holmes Harbor):
Van Cleve, trap, 1961-65.

1-E (Penn Cove):
Van Cleve, trap, 1961-65.

1-JF (beach seine: Port Angeles
embayment):
Peninsula College, 1971.

1-JF (lower part of Sequim Bay):
Sea Grant, 71110.

2-JF (upper part of Discovery Bay):
Sea Grant, 71111.

1-JF (lower part of Discovery Bay):
Sea Grant, 71111.

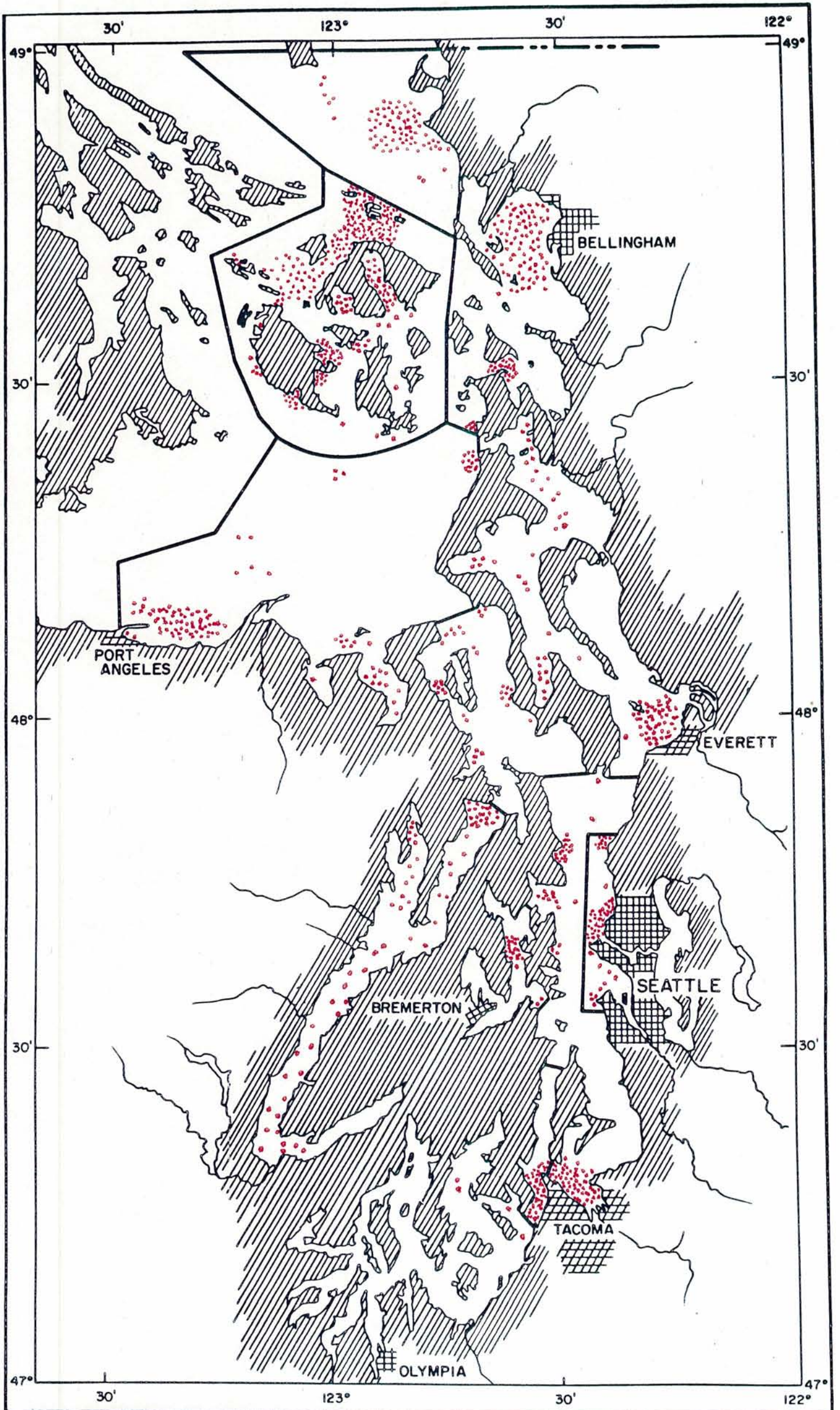
6-SJ (Friday Harbor):
Bruce Miller, Diving Log,
7/12/65; 7/18/65; 9/10/65;
2/26/66; 3/12/66; 3/25/66.

Hexagrammos stelleri

Hexagrammidae

Miscellaneous Logs

- 3-SJ (Limestone Point):
Bruce Miller, Diving Log, 9/6/65;
7/23/66; 7/30/66.
- 1-SJ (Edwards Reef, west-central
San Juan Island): Bruce Miller,
Diving Log, 8/16/66.
- 1-CS (Pully Point): Bruce Miller,
Diving Log, 3/17/67.
- 1-CP (beach seine: Gig Harbor Spit):
Sea Grant, 72003 (also boat
7208).
- 1-HC (off Union): Sea Grant, 1974.
- 2-CP (off Gig Harbor Spit): Sea
Grant, 72003 (also boat 7208).
- 1-CP (in Gig Harbor): Sea Grant,
72003 (also boat 7208).
- 1-B (north part Bellingham Bay):
Sea Grant, 72004.
- 1-AI (beach seine: Mutiny Bay):
Sea Grant, 72015.
- 1-B (beach seine: Wildcat Cove):
Sea Grant, 72029.
- 1-S (off north of Meadow Point to
Carkeek Park): Sea Grant, 1973.
- 1-S (southwest of Alki Point):
Sea Grant, 1973.
- 1-SS (Tatsolo Point):
Sea Grant, 73059.



Ophiodon elongatus

Hexagrammidae

Published Records

- 1-CS (near Quartermaster Harbor):
Rathbun, 1894.
- 1-JF (beach seine: Port Angeles):
Gilbert, 1895.
- 1-AI (Port Ludlow): Starks, 1896b.
- 2-AI (Marrowstone Point; Port
Townsend):
Evermann and Goldsborough, 1907.
- 1-SJ: Starks, 1911.
- 1-SJ: Shelford et al., 1935.
- 4-GS: Smith, 1936.
- 5-B (Bellingham Bay): Smith, 1936.
- 3-E (Coupeville): Smith, 1936.
- 1-JF (Sequim Bay): Smith, 1936
(also museum 3890 and 3891).
- 1-JF (Discovery Bay): Smith, 1936.
- 2-HC (Bangor; Dabob Bay):
Smith, 1936.
- 1-SS (Hale Pass.): Smith, 1936.
- 2-E (Columbia Beach; Gedney Island):
Smith, 1937.
- 50+-JF (commercial fish.: east of
Ediz Hook): Kelly, 1946.
- 50+-GS (commercial fish.: west of
Point Whitehorn): Kelly, 1946.
- 50+-SJ (commercial fish.: west of
Orcas Island): Kelly, 1946.
- 50+-B (commercial fish.: Bellingham
Bay): Kelly, 1946.
- 50+-E (commercial fish.: Port
Gardner): Kelly, 1946.
- 50+-CS (commercial fish.:
Commencement Bay): Kelly, 1946.
- 4-JF (mid-channel northwest of
Dungeness Spit): Greenwood, 1957
(also NMFS, Ccbb-25).
- 1-S (Duwamish Head): Salo, 1969.
- 1-SJ (Friday Harbor): Lloyd, 1936.
- 1-S (Seattle): Lloyd, 1936.
- 2-SJ (False Bay; Friday Harbor):
Kohlruss, 1936.
- 2-B (beach seine: Bellingham Bay,
north of Eliza Island):
Tyler, 1964.
- 10+-JF (sport catch):
Haw and Buckley, 1971.
- 10+-SJ (sport catch):
Haw and Buckley, 1971.
- 10+-B (sport catch):
Haw and Buckley, 1971.
- 50+-HC (sport catch):
Haw and Buckley, 1971.
- 10+-CS (sport catch: Kingston Break-
water): Haw and Buckley, 1971.
- 10+-S (sport catch: Shilshole and
Edmonds Breakwaters):
Haw and Buckley, 1971.
- 50+-CP (sport catch: Tacoma
Narrows): Haw and Buckley, 1971.
- 1-HC (Anderson Cove): Chew, 1970.
- 50+-B (commercial catch):
DiDonato, 1969.

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Museum Collection

- 1-PS: 201.
- 3-SJ (Squaw Bay): 564; 654; 2083.
- 6-SJ (False Bay): 579; 581; 1126;
1159; 1173; 2999.
- 1-SJ (East Sound, White Beach): 593.
- 2-S (Alki Point): 926; 1922.
- 2-SJ (Friday Harbor): 1043; 3706.
- 1-S (Edmonds Beach): 5490.
- 1-S (off Carkeek Park):
8024 (also boat 5212D).
- 1-S (off Golden Gardens):
14280 (also boat 5512F).
- 1-CS (northeast of Apple Cove Point):
5864 (also boat 5009A).
- 1-SJ: 737.
- 1-SJ (Lopez Sound): 10434.
- 1-SJ (Prevost Harbor): 10443.
- 1-SJ (off Kanaka Bay): 11046 (also
Friday Harbor Log, 8/4/52-3).
- 1-CS (off Point Monroe):
14398 (also boat 5805C).
- 1-SJ (West Sound): 16358.
- 4-SJ (East Sound):
17140; 18707 (also NIH, 1964-66);
18708 (also NIH, 1964-66); 19681
(also NIH, 1964-66).
- 1-SJ (Upright Channel): 17222 (also
Friday Harbor Log, 7/5/63).

Friday Harbor Laboratory Log

- 1-B (south of Eliza Island):
8/8/55-1.
- 1-SJ (Reef Bay, northeast side Johns
Island): 7/5/51-1.
- 1-SJ (south of Orcas Island):
6/24/52.
- 5-SJ (West Sound): 7/9/52-3 (also
boat log 5220I); 7/26/60-2;
8/13/60-2; 6/26/61; 6/27/63-B.
- 11-SJ (Friday Harbor Lab):
7/29/52; 8/2/52; 8/1/52;
8/12-13/52; 7/17/60; 7/19/60;
8/7/61; 7/14/69; 8/1/69; 8/10/69;
8/13/69-1.
- 2-SJ (Friday Harbor):
8/15-16/52; 6/21/55-1.
- 1-SJ (Garrison Bay): 6/25/55-3.
- 1-SJ (East or West Sound): 7/25/55.
- 1-SJ (Prevost Harbor): 7/10/50-4.
- 2-SJ (Squaw Bay): 8/1/55; 8/1/60-1.
- 1-SJ (Upright Channel, Odlin Park):
8/1/55.
- 3-SJ (west of McArthur Bank):
8/3/55-1; 8/8/60; 7/8/69-1.
- 1-SJ (southeast of Cattle Point):
8/3/55-2.
- 1-SJ (off Iceberg Point):
8/4/55-1 (also boat 5520C).
- 1-SJ (outside False Bay):
8/17/55-2.
- 1-SJ (north side of Stuart Island):
7/10/50-9.

Ophiodon elongatus

Hexagrammidae

Friday Harbor Laboratory Log

- 4-SJ (False Bay): 7/17/50-1;
6/21/63; 8/5/60; 6/29/61.
1-SJ (West Sound and Lopez Sound):
6/27/60.
2-SJ (Upright Head to Olga):
8/1/60-2; 7/10/61-2.
1-SJ (Smallpox Bay): 7/13/69.
9-SJ (Argyle Bay): 7/12/61-1,3;
7/18/61-2; 7/15/63; 7/10/69-4;
7/5/60; 8/11/60-2,3; 6/22/61.
3-SJ (East Sound):
7/26/60-1; 8/13/60-1; 6/20/61.
1-SJ (south of Lopez Island):
6/27/63-A.
3-SJ (mid East Sound):
1/17/64; 4/3/64; 6/5/64.
1-SJ (Squaw Bay or West Sound):
6/30/67.
1-SJ: 7/14/67.

University of Washington Boat Log

- 1-JF (Discovery Bay): 5318A.
4-SJ (training cruise area: East
Sound, north of Rosario Point):
6517H; 6614H; 6630H; 7313H.
2-E (Holmes Harbor, south of
Classic): 5305A; 5611B.
4-E (Holmes Harbor):
5305H; 5330B; 5604G; 5810A.
1-E (Holmes Harbor, Rocky Point to
Dines Point): 5307K.
4-E (Holmes Harbor, Dines Point to
Classic): 5312F,K; 5316A; 5405H.
2-E (Saratoga Pass., Snatelum Point
to Onamac Point): 5330F; 5712C.
1-E (Penn Cove mouth, off Long Point
to off Snatelum Point): 5330H.
1-E (Saratoga Pass., Onamac Point to
Indian Beach): 5405L.
1-E (Penn Cove): 5613U.
1-E (Saratoga Pass., Cama Beach to
Lowell Point): 5712D.
1-E (training cruise area: east of
Gedney Island): 6620C.
1-E (Saratoga Pass.): 6810B.
1-AI (training cruise area: east of
north Marrowstone Island):
6614J.
1-HC (opposite Hoodsport): 499F.
7-HC (Dabob Bay): 5903A; 5921;
6105B; 5202F; 7102B,F,P.
7-HC (Dabob Bay, Broad Spit to Long
Spit): 6503A,B; 6601B; 7702F;
6828A; 7202E; 7303C.
2-CS (Port Madison):
1/22/49-5; 492A.
1-CS (off Cultus Bay): 5/7/49-2.
1-CS (mid-channel, Meadow Point to
Port Madison): 5709B.
1-CS (east of Point Monroe): 5813B.
3-CS (Murden Cove):
6613A; 6711D2; 6821.5G.

- 10-PO (off Fletcher Bay to south of
Battle Point and Brownsville):
5317B; 5507; 5524; 5602B; 5707H;
5709C; 5714; 5809A; 6015A,B.
1-PO (off south of Fletcher Bay):
6016B4.
2-PO (probably off Fletcher Bay):
6007A,B.
18-S (off Golden Gardens to Meadow
Point): 5003A; 5009K,L; 5033A;
5039D; 5110C; 5112C; 5132B;
5210A; 5512G; 5521A; 5607B;
5702AN; 5707J; 5713G; 5907D;
5920F; 6114A.
4-S (off Meadow Point to Carkeek
Park): 5212A; 5216A,B; 5233A.
2-S (beach seine: Golden Gardens to
Meadow Point): 5328A; 5925A.
1-S (off 4-Mile Rock to south of
West Point): 5602C.
1-SS (Carr Inlet, off Horsehead
Bay): 5104Q.
1-SS (Day Island to Toliva Shoal):
5201E.
1-SS (Carr Inlet, mid-channel Glen
Cove to Green Point): 6724B.
1-S (Meadow Point to Richmond
Beach): 6429A.

Miscellaneous Logs

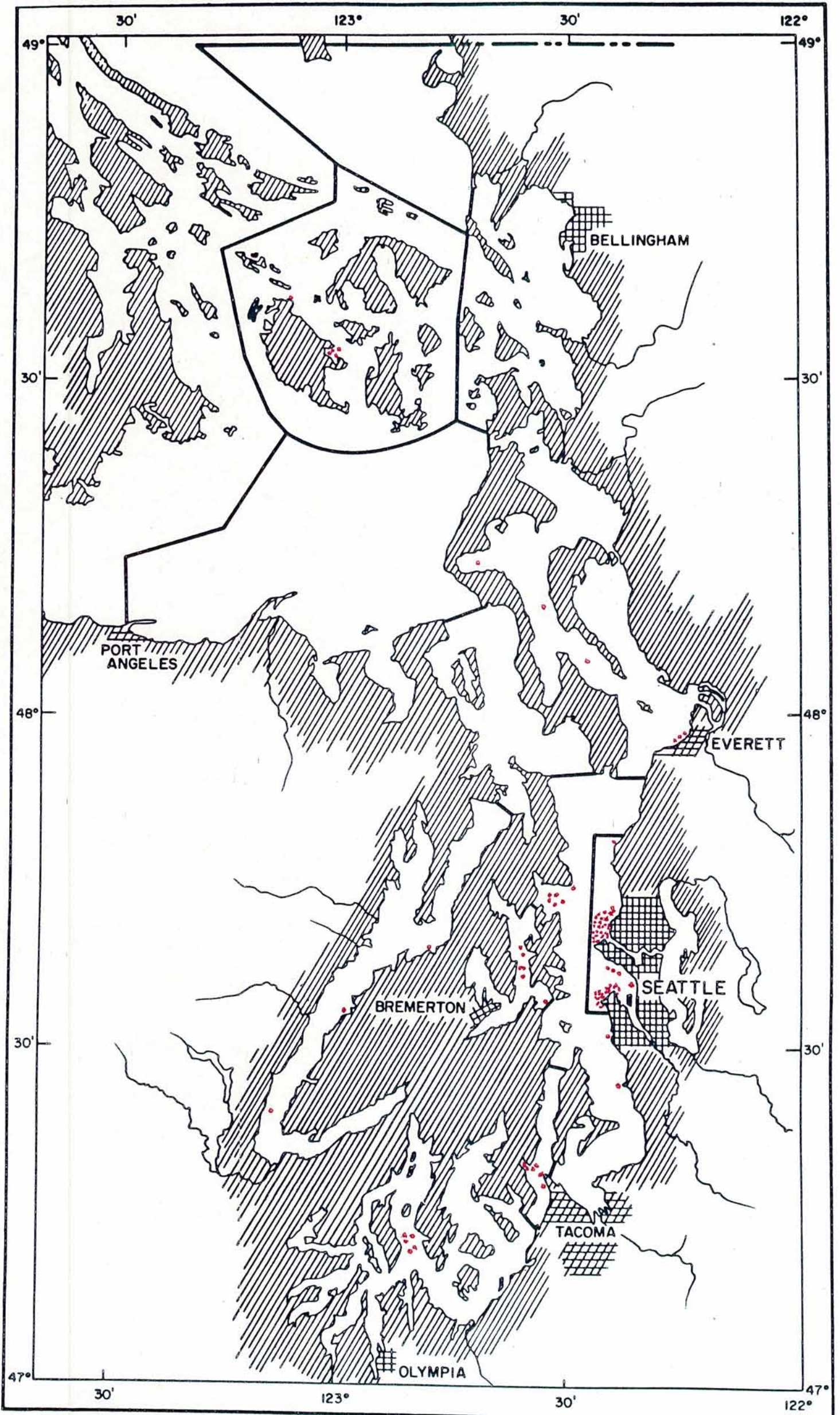
- 3-AI (Port Ludlow):
Bill High, Diving, personal
communication, 10/22/63.
8-AI (Irondale): Bill High, Diving,
personal communication, 10/22/63.
1-AI (Port Townsend):
Bill High, Diving, personal
communication, 10/22/63.
2-AI (Keystone): Bill High, Diving,
personal communication, 10/22/63.
50+-HC (Sisters Rock-buoy):
Bill High, Diving, personal
communication, 10/22/63.
16+-B (Anacortes):
Bill High, Diving, personal
communication, 10/22/63.
5-B (Rosario): Bill High, Diving,
personal communication, 10/22/63.
1-S (Alki Point): Lyon McCandless,
personal communication, 1955.
11+-JF (off West Beach):
WSDF, Sport Fish., 1965-70.
12+-E (Skagit Bay and Similk Bay):
WSDF, Sport Fish., 1968.
3-E (Everett):
WSDF, Sport Fish., 1965-70.
10-AI (off Bush Point):
WSDF, Sport Fish., 1969.
2-S (Elliott Bay):
WSDF, Sport Fish., 1965-70.
4-SJ: WSDF, Sport Fish, 1965-70.
11+-HC: WSDF, Sport Fish, 1965-70.
1-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.

Ophiodor. elongatus

Hexagrammidae

Miscellaneous Logs

- 7-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
- 2-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
- 2-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
- 5-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
- 1-E (Saratoga Pass., Demock Point):
U.W. Ocean., Hoh, 1963-67.
- 1-E (Port Gardner Bay):
U.W. Ocean., Hoh, 1963-67.
- 4-SJ (West Sound):
U.W. Ocean., Hoh, S.J., 1966.
- 5-SJ (East Sound):
U.W. Ocean., Hoh, S.J., 1966.
- 1-JF (Protection Island): WSDF,
groundfish trawl, through 1970.
- 4-JF (Discovery Bay): WSDF,
groundfish trawl, through 1970.
- 2-AI (Oak Bay): WSDF, groundfish
trawl, through 1970.
- 15-B (Bellingham Bay): WSDF,
groundfish trawl, through 1970.
- 1-CS (Norma Beach to Appletree
Cove): WSDF, groundfish trawl,
through 1970.
- 1-JF (Protection Island): WSDF,
commercial catch comp., 1966-71.
- 2-JF (Discovery Bay): WSDF,
commercial catch comp., 1966-70.
- 100+SJ (Sucia Island):
Allyn Johnson, sport catch,
personnel communication, 1972.
- 2-SJ (north end of Orcas Island):
Allyn Johnson, sport catch,
personal communication, 1972.
- 4-AI (east of Port Townsend):
NMFS, Cobb-35.
- 1-JF (west of Protection Island):
NMFS, Cobb-35.
- 1-JF (Protection Island to Discovery
Bay): NMFS, Cobb-35.
- 1-B (Bellingham Bay, Eliza Island):
NMFS, Cobb-68.
- 1-HC (Seabeck): NMFS, Cobb-69-1.
- 1-JF (off Dungeness Spit):
NMFS, Cobb-69-7.
- 1-SJ (Obstruction Pass.):
Al Milbun, Diving, 1961.
- 1-AI (Keystone ferry area):
Al Milbun, Diving, 4/9/61.
- 1-B (Viti Rocks):
Al Milbun, Diving, 10/1/61.
- 13-SJ (East Sound, south of Rosario
Point): NIH, 1964-66.
- 1-JF (beach seine: Port Angeles
embayment):
Peninsula College, 1971.
- 4-JF (north of Ediz Hook):
NMFS, Cobb-25.
- 1-JF (lower part of Discovery Bay):
Sea Grant, 71111.
- 1-GS (tow area 2: off Birch Bay):
WSDF, Gulf Georgia, 1969-71.
- 6-GS (tow area 3: off Cherry Point):
WSDF, Gulf Georgia, 1969-71.
- 1-GS (tow area 4: off north of
Neptune Beach):
WSDF, Gulf Georgia, 1969-71.
- 2-GS (tow area 5: north of Alden
Bank):
WSDF, Gulf Georgia, 1969-71.
- 2-GS (tow area 6: southeast of Point
Roberts):
WSDF, Gulf Georgia, 1969-71.
- 1-GS (tow area 7: mid-channel):
WSDF, Gulf Georgia, 1969-71.
- 3-GS (tow area 8: mid-channel):
WSDF, Gulf Georgia, 1969-71.
- 1-SJ (Brown Island):
Bruce Miller, Diving Log, 6/63.
- 5-SJ (East Sound): Bruce Miller,
Diving Log, 10/18/64; 8/29/65;
9/9/65; 9/11/65; 5/8/66.
- 10-SJ (Friday Harbor):
Bruce Miller, Diving Log,
7/12/65; 8/18/65; 9/5/65;
9/10/65; 9/12/65; 4/2/66;
4/25/66; 6/20/66; 8/21/66.
- 4-SJ (Limestone Point): Bruce
Miller, Diving Log, 9/6/65;
4/27/66; 7/23/66; 7/30/66.
- 1-SJ (Point Caution):
Bruce Miller, Diving Log, 8/66.
- 1-SJ (Edwards Reef, west-central San
Juan Island): Bruce Miller,
Diving Log, 8/16/66.
- 1-SJ (lower East Sound): Bruce
Miller, Diving Log, 8/18/66.
- 1-PO (Clam Bay): Bruce Miller,
Diving Log, 10/4/70.
- 1-PO (Orchard Rocks): Bruce Miller,
Diving Log, 6/25/69.
- 4-JF (west of Protection Island):
NMFS, Cobb, 2/28/73.
- 1-S (Golden Gardens):
S.L. Ralston, Diving Log, 1971.
- 1-S (beach seine: north side of West
Point): Sea Grant, 1973.
- 1-AI (Mutiny Bay):
Sea Grant, 73049.
- 4-SJ (near Turn Island):
Doug Olander, Sport Catch Log,
1972-73.
- 3-SJ (near Deadman Bay):
Doug Olander, Sport Catch Log,
1972-73.
- 2-JF (Discovery Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 1-GS (south of Cherry Point):
Sea Grant, 72009.



Oxylebius pictus

Hexagrammidae

Published Records

- 1-S (Seattle):
Evermann and Goldsborough, 1907.
1-SJ (Friday Harbor): Starks, 1911.
1-HC (Holly):
Schultz and DeLacy, 1935-36.
1-E (Camano): Smith, 1937.
10-S (Duwamish Head): Salo, 1969.

University of Washington
Museum Collection

- 2-S (Seattle): 989; 990.
1-E (Saratoga Pass. to Port Susan):
2927.
1-HC (Hoodspoint): 3750.
1-SJ: 4310.
1-S (hook and line, Seattle
waterfront): 4381.
1-S (North Beach): 4626.
1-CS (West Seattle ferry slip):
5340.
1-S (Golden Gardens): 8793.
1-PS: 11675.
1-S (off Golden Gardens): 14231.
1-CP (Point Defiance): 14233.
1-CP (Tacoma Narrows): 15195.

Friday Harbor Laboratory Log

- 1-SJ (Friday Harbor Lab):
8/19/69-2.
1-SJ (night light, Friday Harbor
Lab): 1969.

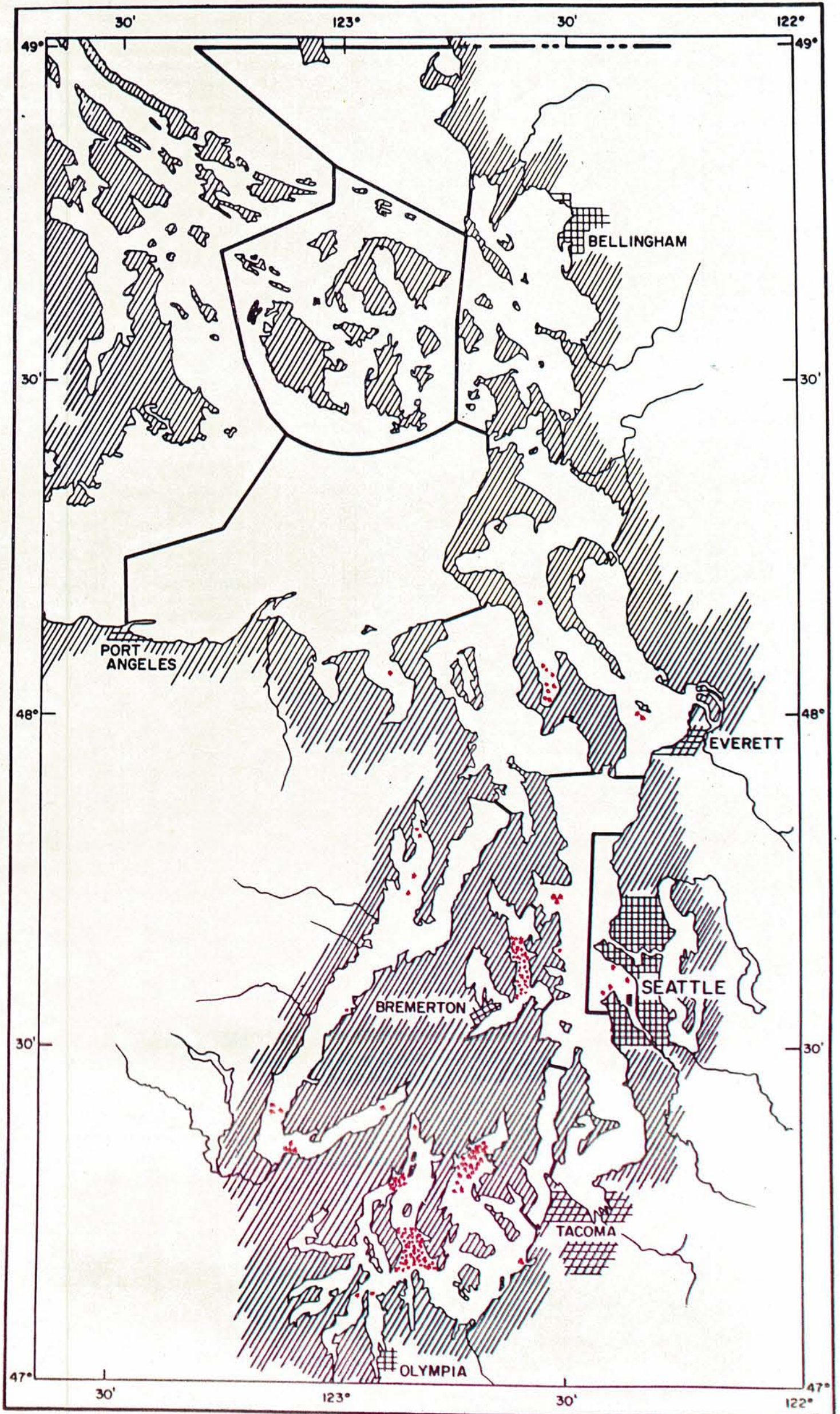
University of Washington Boat Log

- 2-S (off Golden Gardens to Meadow
Point): 495D; 5314C.
2-S (beach seine: Golden Gardens to
Meadow Point): 5215U; 5320A.

Miscellaneous Records

- 1-S (probably West Point or Golden
Gardens): R. Domenowske,
personal communication, 10/24/63.
12-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
4-S (Meadow Point):
U.W. Ocean., 1964-67.
3-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
2-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
24-S (Golden Gardens to Meadow
Point):
U.W. Ocean., Hoh, 1963-68.
3-PO (south and north of Fletcher
Bay): U.W. Ocean., Hoh, 1963-67.
5-SS (Case Inlet, off Taylor Bay to
off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
5-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.

- 1-E (Penn Cove):
U.W. Ocean., Hoh, 1963-67.
2-S (Golden Gardens to Carkeek
Park): NIH, 1968-71.
1-S (Edmonds ferry): Bruce Miller,
Diving Log, 10/11/64.
1-SJ (Friday Harbor): Bruce Miller,
Diving Log, 4/25/66.
1-SJ (Limestone Point): Bruce
Miller, Diving Log, 7/23/66.
1-PO (Orchard Rocks): Bruce Miller,
Diving Log, 9/11/70.
2-CP (off Gig Harbor Spit): Sea
Grant, 72003 (also boat 7208).
2-CP (in Gig Harbor): Sea Grant,
72003 (also boat 7208).
1-CP (off Gig Harbor Spit):
Sea Grant, 72025.
1-HC (off southwest of Big Beef
Harbor): Sea Grant, 1973.
1-CS (Jefferson Head):
Bill High, Diving, personal
communication, 2/26/74.
1-CS (Point Pully): Bruce Miller,
Diving Log, 5/10/68.
2-S (off northwest side of West
Point): Sea Grant, 1973.



Zaniolepis latipinnis

Hexagrammidae

Published Records

- 1-SS (Fort Steilacoom):
Girard, 1858, 1859; Suckley,
1860; Gunther, 1860.
1-S (Seattle):
Evermann and Goldsborough, 1907.
1-S (Seattle):
Schultz and DeLacy, 1935-36.
1-JF (Discovery Bay):
Smith, 1936 (also museum 3874).
1-SS (Dofflemeyer Point):
Smith, 1937.
2-E (Gedney Island): Smith, 1937.
2-HC (Holly; Hoodspout):
Smith, 1937.
1-S (Duwamish Head): Salo, 1969.

University of Washington
Museum Collection

- 1-PS: 200.
1-PS (Hood Canal to Port Susan):
2326.
1-HC (Hoodsport): 4318.
1-E (Holmes Harbor): 5304.
1-SS (off McLane Cove):
5681 (also boat 7/20/49-3).
1-HC (opposite Hoodsport):
5775 (also boat 499F).
1-SS (Carr Inlet, off Glen Cove):
5810 (also boat 5009J).
2-PO (off Fletcher Bay):
11983 (also boat 5707G); 14235
(also boat 5602B).
1-HC (Dabob Bay): 13843.

University of Washington Boat Log

- 6-PO (off south of Fletcher Bay):
5229C,D; 5413D; 5801A; 6016B4;
6118A.
15-PO (off Fletcher Bay):
5301A; 5310.3B; 5904A; 5907A;
6001AN; 6008A; 6016B1,A2,A4,B5;
6101A; 6205D1,D2,D3; 6707.
2-PO (between "B-2" and "B-1"):
5301C; 6205C3.
5-PO (probably off Fletcher Bay):
5812B; 6713E; 6419; 7107; 7313X.
1-CS (Port Madison): 5122A.
1-CS (Murden Cove): 6713G.
5-E (Holmes Harbor):
5307G; 5327A,B; 5405A,B.
2-E (lower Holmes Harbor):
5312L; 5501B.
1-E (Saratoga Pass., Onamac Point
to Indian Beach): 5405L.
1-HC (Dabob Bay): 6202F.
2-HC (Dabob Bay, Broad Spit to Long
Spit): 6702D; 6828A.
1-SS (north end Pickering Pass. to
off McLane Cove): 5009H.
1-SS (Carr Inlet, off north of Home
to off Horsehead Bay Spit):
5104R.

- 9-SS (off Glen Cove to off Cutts and
Raft Islands): 5101B; 5104Y;
5104L,K,O; 5613A,B; 5126M; 5213D.
10-SS (off Minter Creek to Elgin):
5104D,I,C,V; 5045J; 5046C; 5135D;
5227D,E,I.
1-SS (Case Inlet, off Victor):
5126G.
2-SS (Carr Inlet): 5522C; 5605B.
1-SS (Case Inlet): 5613K.

Miscellaneous Logs

- 1-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
31-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
9-PO (south and north of Fletcher
Bay): U.W. Ocean., Hoh, 1963-67.
1-HC (Lynch Cove):
U.W. Ocean., Hoh, 1963-67.
50+-SS (Case Inlet, off Taylor Bay
to off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
1-SS (Carr Inlet, off Horsehead
Bay): U.W. Ocean., Hoh, 1963-67.
1-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
1-SS (Eld Inlet entrance): Van
Cleve, trap, 1961-65.
11-SS (mid-channel, McLane Cove to
Stretch Island):
Sea Grant, 1973-74.
4-HC (off Union): Sea Grant, 1973.
1-HC (mid-channel, off Union):
Sea Grant, 1973.

VOLUME 3

Family Cottidae (Sculpins) 55.1
through
Family Molidae (Molas) 60.1

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Bruce S. Miller and Steven F. Borton

Fisheries Research Institute, College of Fisheries
University of Washington, Seattle, Washington 98195

Studies supported by
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ACKNOWLEDGMENTS

A very special thanks goes to Dr. Allan C. DeLacy, University of Washington College of Fisheries, for initiating and participating in the early work which finally led to the publication of this atlas.

We would like to thank the following individuals for the comprehensive log books they made available to us: T. S. English and C. M. Halstead (University of Washington, Department of Oceanography); R. Van Cleve and A. C. DeLacy (University of Washington, College of Fisheries); R. W. Tyler, E. O. Salo, and Q. J. Stober (University of Washington, Fisheries Research Institute); R. B. Grinols, (Peninsula College); G. S. DiDonato, A. E. Millikan, R. M. Buckley, and F. Haw (Washington State Department of Fisheries); W. L. High, and C. R. Hitz (National Marine Fisheries Service); R. I. Matsuda and R. S. Domenowske (Municipality of Metropolitan Seattle); and D. M. DesVoignes (Port of Seattle).

We wish to thank Patricia Peyton of Washington Sea Grant Communications, and thanks also go to the staff of the College of Fisheries Publications Center--Dorothy Beall, Jacob Davidson, Paula Duncan, Linda Haglund, Virginia Mills, and Muriel Mobley--for their contributions in preparing this manuscript for publication.

Compilation of this fish distribution information was done under the auspices of the College of Fisheries, University of Washington, Seattle. The work has been supported primarily by the Washington Sea Grant Program (National Oceanic and Atmospheric Administration) and by the Washington State Department of Ecology. The Oceanographic Commission of Washington provided a stipend to help defray some of the publication costs.

Bruce S. Miller

BRUCE S. MILLER
Principal Investigator

NOAA Grants
NC-1-72
04-3-158-42

WSDOE Contract
SWP 26/D

GEOGRAPHICAL DISTRIBUTION OF PUGET SOUND FISHES:

MAPS AND DATA SOURCE SHEETS

INTRODUCTION

The accompanying maps and data source sheets constitute a comprehensive compilation of records of Puget Sound fish species through 1973. Most records were originally compiled for the *Checklist for Puget Sound Fishes* (DeLacy, Miller, and Borton 1972).

All records were from five main sources: The literature; catalogued entries in the University of Washington collection of fishes; log records from the University of Washington Friday Harbor Laboratories; boat log records from the University of Washington College of Fisheries; and miscellaneous records, the bulk of which were from logs of state, federal, and University of Washington research projects. Records are arranged on the data source sheets in columns under the aforementioned headings. This method facilitated compilation of the records and provides the best way to add records in the future. A data source sheet key is provided to interpret individual entries. We have tried to avoid any duplication of records and have attempted to avoid records of questionable validity.

The Puget Sound region (Figure 1), for faunistic purposes, is defined as an area south and east of the United States-Canada international boundary line and east of longitude 123°28' in the Strait of Juan de Fuca. The further division of the Puget Sound region into 12 areas is based in part on oceanographic conditions but also reflects an arbitrary and expedient definition of areas with some attention to the intensity of the collecting efforts. A dot on the map of a particular species represents one record of that species having been caught or observed at that location. For example, a dot may represent a single fish caught by hook and line or 500 fish caught in one haul of an otter trawl. There is a corresponding data source sheet entry for every dot, but there may not be a dot for every data source sheet entry since once an area was filled with dots no more were added.

A wide assortment of gear has been employed in the collection of fish represented here (beach seines, bottom trawls, gillnets, purse seines, traps, spearfishing, hook and line, poisoning, etc.). There is also a great variation in the number of fish caught per record. It would not be appropriate to include such information as number of fish caught without also including other important information such as gear type, net mesh size, depth, bottom type, date, and time of day. Information such as numbers of fish caught can easily be misinterpreted without considering all other information about the collection. Including all pertinent information would not be appropriate considering the time and size limitations and goals of this project. The information is designed to provide an extensive source listing for all collections of fish in Puget Sound. People having a need for collection information or biological data such as length and weight should obtain the original source.

The relative sampling effort has varied greatly in the various areas. In general, lower Georgia Strait, the inner Strait of Juan de Fuca, Admiralty Inlet, and Colvos Passage have been sampled less intensively than other areas. The map of an abundant species, such as the English sole (*Parophrys vetulus*) which is caught by most types of gear and found in a wide depth range, indicates areas most intensively fished. Large blank areas on a map cannot be interpreted to mean that a particular species is not found in those areas. It only means that we have, as yet, no records for that species in those areas. This is often the result of lack of sampling effort for those areas or for that particular species. It is evident, however, for some species that they are more abundant in certain areas of Puget Sound; for example, the blackfin sculpin (*Malacocottus kincaidi*) is most abundant in Hood Canal. Further study of original catch data reveals that the blackfin sculpin is most often caught in deep trawls in areas of dense shrimp populations, such as are known to occur in Hood Canal.

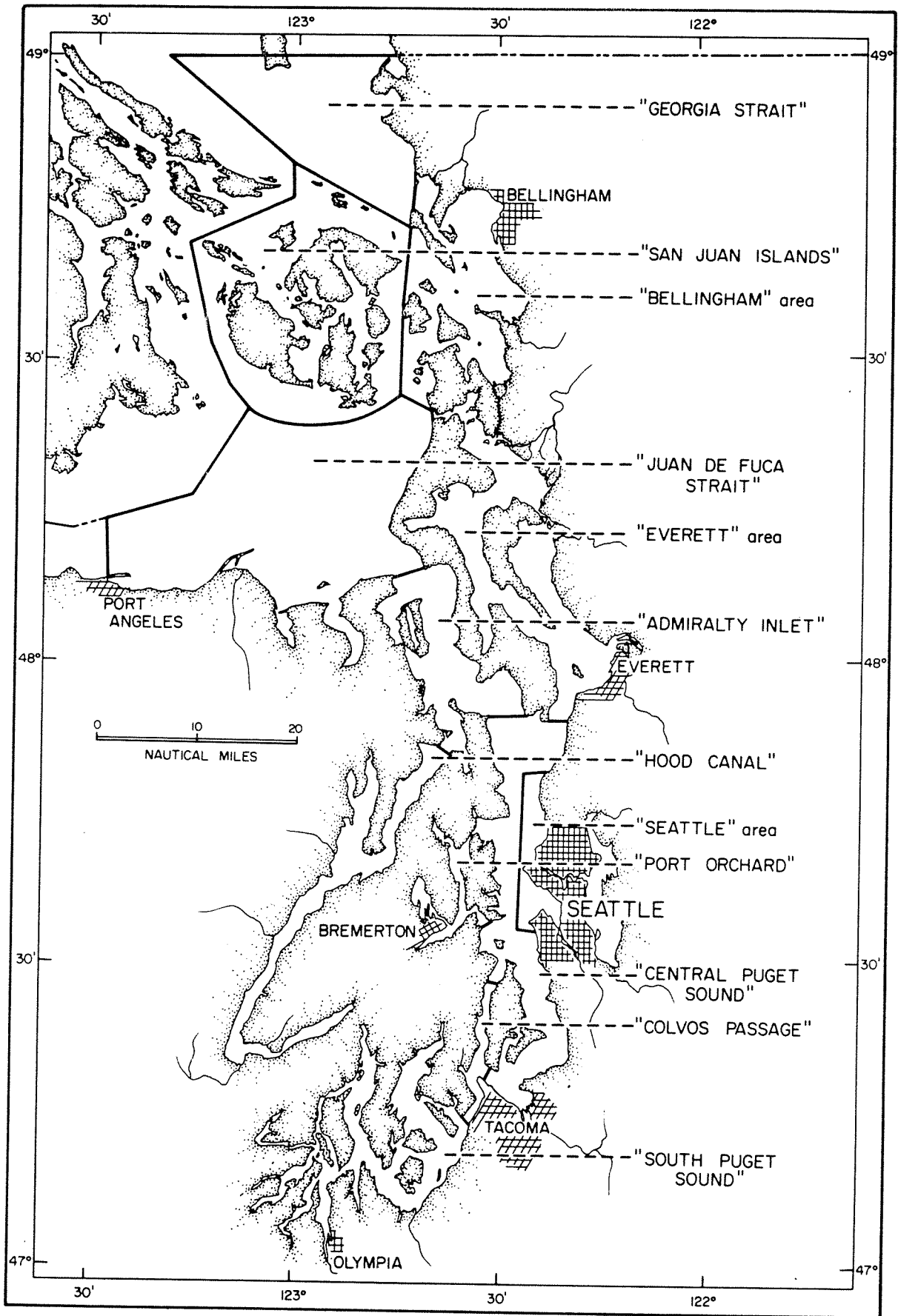


Figure 1. The 12 sampling areas used to group reports of fish occurrence in Puget Sound.

A phylogenetic order of families and species is used in the maps and source sheets (see the List of Families and Species). This order follows the standard set by the American Fisheries Society (1970). We have used Hart (1973) as our reference in those cases where the American Fisheries Society does not list a name. A decimal paging system is used to facilitate the addition of new records and species during future updating. Each family is indicated by the number preceding the decimal point. Species are listed in alphabetical order within a given family and paged consecutively by numbers following the decimal points. Source sheets follow each map and are paged separately by species.

The bibliography is of published records only. A "bibliography" or explanation of source sheet categories (p. xvi) is provided for locating or citing sources.

The authors would like to emphasize that they welcome any additional information that readers may be prepared to provide. Data are stored on magnetic cards so that records may be added easily. Periodic updating of this information is contemplated. It is our hope that work may soon begin on a similar project to gather information of fish records from the outer Strait of Juan de Fuca and the Washington Coast.

KEY TO SOURCE SHEETS

PS - Puget Sound, general	HC - Hood Canal
GS - Georgia Strait	CS - Central Puget Sound
JF - Juan de Fuca Strait	PO - Port Orchard
SJ - San Juan Islands	S - Seattle area
B - Bellingham area	CP - Colvos Passage
E - Everett area	SS - South Puget Sound
AI - Admiralty Inlet	

number of occurrences from this location from this source

5-SS: (Fort Steilacoom): Girard, 1859.

area location specific location or locations within area

1-PS: Jordan & Starke, 1896.

source gave location as "Puget Sound"--record is not mapped

1-CP: Jordan & Gilbert, 1882.

record in this area, but either there was not a more specific location given by the source or two or more hauls in different locations were lumped by the source--record is not mapped unless it is the only record for that area

73-AI: (White Rock; Port Townsend; north of Olele Pt.): Evermann and Goldsborough, 1907.

This means that of these 3 Admiralty Inlet records, one was from White Rock, and one was from Port Townsend, and one was from north of Olele Pt.

If this number were 15+ then 5+ were from White Rock...etc.

If this number were 50+ (Fishing areas, etc.) then all locations mentioned (listed) would be 50+ each.

Other information:

8-5206 A number preceding a boat log entry gives the number of occurrences in that collection or series of hauls at a certain location.

E (Gedney I.): Chapman and DeLacy 1933 (Duplicated by museum record).

No number indicates that there was a known but unmatched duplication (entry not mapped).

EXPLANATION OF SOURCE CATEGORIES

Published Records

See Bibliography. This includes a broad spectrum of printed material (many technical reports).

University of Washington Museum Collection

These records are from notebooks listing the specimens preserved in the College of Fisheries Museum. The notebooks are kept in the museum.

Friday Harbor Laboratory Log

These logs are of collections made largely in the San Juan Islands and in connection with class or research work at the University of Washington, Friday Harbor Laboratories and/or the College of Fisheries.

University of Washington Boat Log

These logs list collections made using some of the research vessels (mainly the COMMANDO) of the College of Fisheries. Also listed are many of the class beach seine trips. The logs are available through the Dean's Office at the College of Fisheries.

Miscellaneous Logs

This is a potpourri of any legitimate record or set of records which cannot be classified by the above categories. They range from logs of various research institutions to verified phone calls and photographs from marine scientists. The following is an alphabetized listing and explanation of the abbreviated citations of important logs in the miscellaneous category which need further explanation.

FRI, Tyler Data Sheets, 1965. Data sheets from a research project in Bellingham Bay conducted by the Fisheries Research Institute at the College of Fisheries.

METRO, 1963-70. Records from collections made by the Municipality of Metropolitan Seattle in areas near sewage treatment plants.

NIH (date or collection number). Records from trawl and beach seine collections made under the direction of Dr. Bruce S. Miller as part of various National Institute of Health grants.

NMFS, COBB - (cruise or date of cruise). Records from trawl collections of the R/V COBB made by the U.S. Department of Commerce, National Marine Fisheries Service.

Sea Grant (date or collection number). Records from trawl and beach seine collections made under the direction of Dr. Bruce S. Miller as part of several individual grants.

U.W. Oceanography, 1964-67. U.W. Oceanography, P.G. (Port Gardner) or P.O. (Port Orchard), and other variations. Records from research collections made under the direction of Dr. T. Saunders English of the University of Washington, Department of Oceanography. Most collections were made by beam trawl from the R/V HOH.

Van Cleve, Trap, 1961-65. Records from test collections made with a College of Fisheries automated bottom sampler under the direction of Dr. Richard Van Cleve.

WSDF, Commercial catch comp., 1966-71. Records compiled from commercial fishing data as part of the catch composition estimation program of the Washington State Department of Fisheries.

WSDF, Groundfish trawl, (date). Records from trawls made by the Washington State Department of Fisheries.

WSDF, Gulf Georgia, 1969. Records from trawl investigations made by the Washington State Department of Fisheries in the Gulf (Strait) of Georgia.

WSDF, Sport Fish, 1965-70. Records from information collected during the sport fishery boat check program of the Washington State Department of Fisheries.

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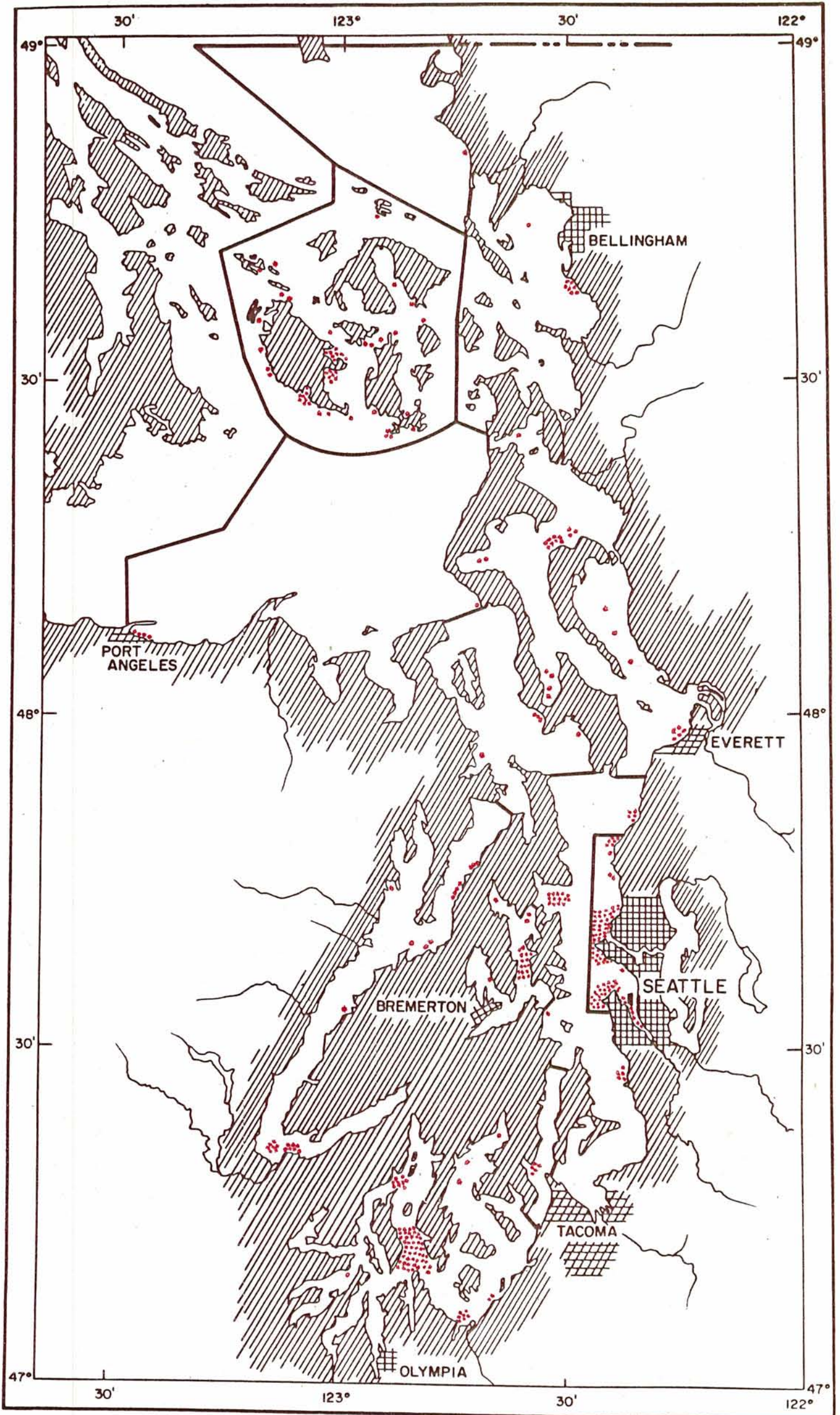
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Artedius fenestralis

Cottidae

Published Records

- 1-JF (beach seine: Port Angeles):
Gilbert, 1895.
1-AI (Port Ludlow): Starks, 1896b.
1-PS: Jordan and Starks, 1896.
1-JF (Admiralty Head):
Evermann and Goldsborough, 1907.
1-HC (Holly):
Schultz and DeLacy, 1935-36.
1-SJ: Starks, 1911.
1-SJ (Sucia Island):
Evermann and Goldsborough, 1907.

University of Washington
Museum Collection

- 1-SJ (Davis Bay): 605.
1-SJ (East Sound): 616.
1-CS (reef north of Manchester
Rocks): 642.
12-S (Alki Point): 662; 748; 791;
923; 980; 1922; 3783; 4394; 4485;
4826; 4886; 4893.
1-SJ (Upright Head, Shoal Bay):
674.
1-SJ (Flat Point): 685.
1-S (Seattle): 706.
1-S (West Seattle): 15518.
5-S (Golden Gardens):
773; 5766 (also boat 5001); 5649;
6085 (also boat 5047B); 6143.
1-SJ (Cattle Point): 1010.
1-SJ (near Peavine Pass): 1104.
1-SJ (off Brown Island): 1213.
1-SJ (Kanaka Bay): 1259.
1-SJ (False Bay): 1264.
1-SJ (reef at False Bay): 1474.
1-SJ (near Olga): 1493.
1-PO (off Seabold): 4373.
1-AI (Useless Bay): 4565.
1-PO (Liberty Bay): 6193.
1-HC (Seal Rock Beach): 7304.
1-SS (Carr Inlet, off Glen Cove):
8317.
1-E (near Dewey, Deception Pass):
10176.
1-SS (Totten Inlet): 14282.
1-CS (Port Madison, off Indianola):
16219.
2-S (off Golden Gardens):
5842 (also boat 496C); 5739.
1-S (Richmond Beach):
5897 (also boat 2/13/50).
1-JF (Port Angeles): 1424.
1-SJ (Squaw Bay): 2078.
1-SJ (Brown Island): 2127.
1-SJ (Limestone Point):
17429 (also museum 17979 and
Friday Harbor Log, 6/23/63).
1-SJ (Point east of Eagle Cove):
17420 (also Friday Harbor Log,
8/5/63).
2-S (beach seine: Alki Point):
4512; 4527.
5-S (Edmonds Beach):
4562; 5450; 5463; 5483; 5526.

- 2-S (Edmonds): 4938; 5495.
1-S (Edwards Point to Wells Point):
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1-S (Carkeek Park): 5537.
1-S (Carkeek Park Beach): 5973.
4-S (beach seine: Golden Gardens):
14278; 14353 (also boat 492E);
14442 (also boat 5129B); 18056
(also boat 6211).
1-SJ (Friday Harbor): 14283.
1-SJ (north side Johns Island,
second bay):
14309 and 14315 (also Friday
Harbor Log, 8/19/52-2).
1-CS (Browns Bay Beach): 14308.
1-SJ (Upright Channel): 17208 (also
Friday Harbor Log, 7/5/63).
1-SJ (Deadman Bay): 17944 (also
Friday Harbor Log, 8/2/63).
1-SJ (Hannah Heights): 18018.

Friday Harbor Laboratory Log

- 1-SJ (Mud Bay): 8/15/55-3.
8-SJ (Argyle Bay):
8/16/55-3; 8/11/60-3,4; 8/22/61;
7/12/61-1,3; 7/15/63; 7/10/69-4.
1-SJ (outside False Bay):
8/17/55-1.
4-SJ (Friday Harbor Lab): 8/18/55;
7/9/60; 7/19/60; 8/4/60-1.
1-SJ (south of Neck Point):
8/14/50-1.
4-SJ (False Bay): 8/5/60; 6/29/61;
7/26/61; 6/21/63.
1-SJ (Friday Harbor): 8/6/60-1.
2-SJ (North Bay): 8/18/60-1,2.
2-SJ (Iceberg Point tidepool):
8/22/60-1; 7/19/63-2.
1-SJ (McArdle Bay): 8/22/60-3.
1-SJ (Iceberg Point): 6/28/61-2.
1-SJ (Smallpox Bay): 7/13/61.
1-SJ (Mosquito Pass): 7/17/61-1.
1-SJ (Turn Island): 7/30/61.
1-SJ (Deadman Bay): 6/22/63.
1-SJ (Squaw Bay or West Sound):
6/30/67.
1-SJ (Eagle Point): 7/5/67.
1-SJ (Reed Harbor): 7/15/69-3.

University of Washington Boat Log

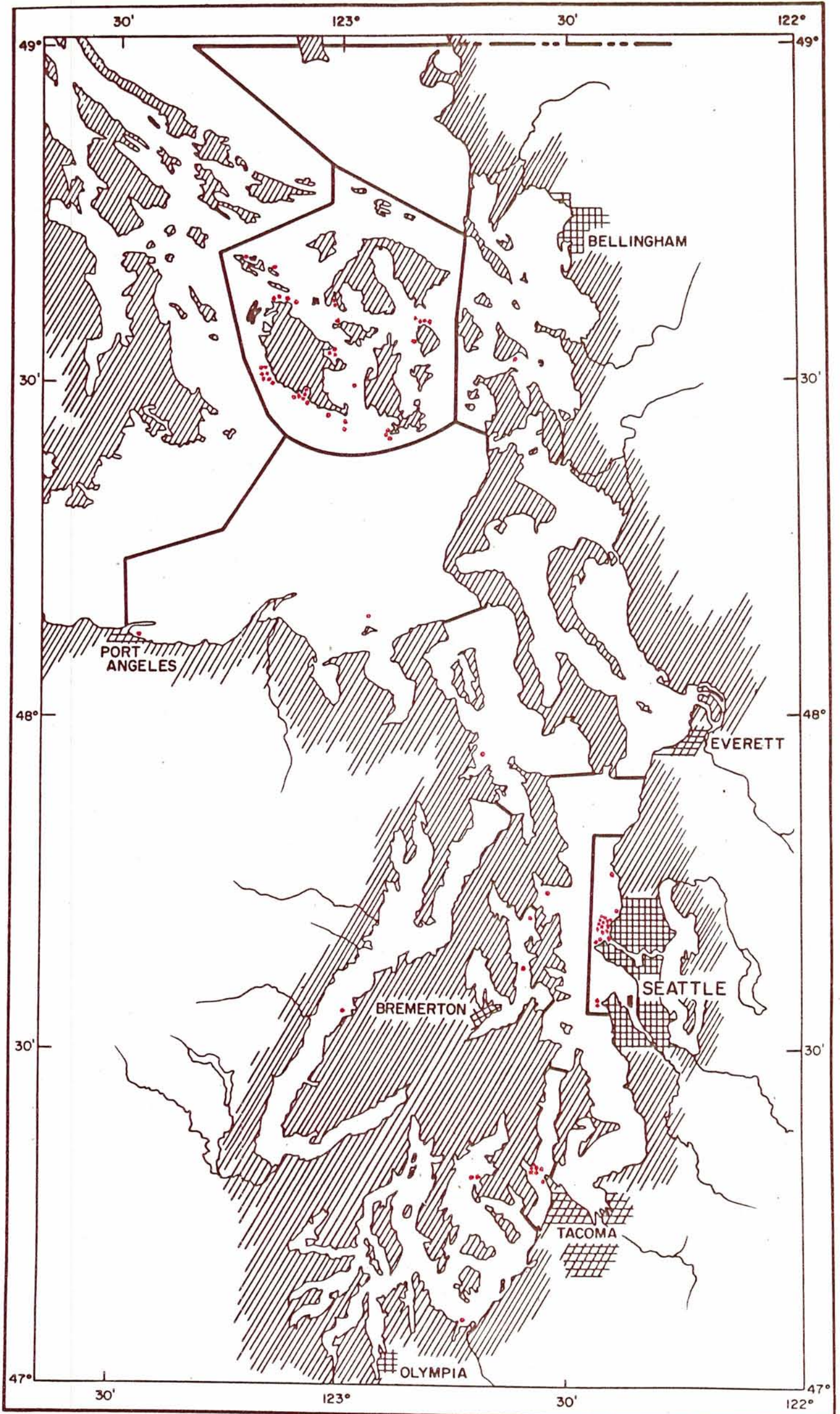
- 1-PO (Agate Pass., buoy N5-6):
5048A.
1-SS (Carr Inlet, off Wauna):
5126L.
3-S (off Golden Gardens):
495D; 6112A; 6206A.
12-S (beach seine: Golden Gardens to
Meadow Point): 5040A; 5047A;
5114B; 5116B,F; 5134A; 5214B;
5925A; 6210C; 6509B,D; 7209B.
2-S (Golden Gardens): 6511D,E.
3-S (beach seine: Carkeek Park):
5225A,B; 5231A.

Artedius fenestralis

Cottidae

Miscellaneous Logs

- 21-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
- 3-S (Meadow Point):
U.W. Ocean., 1964-67.
- 5-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
- 11-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
- 109-S (Golden Gardens to Meadow Point):
U.W. Ocean., Hoh, 1963-68.
- 1-S (Richmond Beach):
U.W. Ocean., Hoh, 1963-68.
- 5-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
- 1-HC (Seabeck):
U.W. Ocean., Hoh, 1963-67.
- 53-SS (Case Inlet, off Taylor Bay to off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
- 1-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
- 13-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
- 3-E (Port Susan):
U.W. Ocean., Hoh, 1963-67.
- 7-E (off Demock Point to Utsalady Point):
U.W. Ocean., Hoh, 1963-67.
- 1-E (Penn Cove):
U.W. Ocean., Hoh, 1963-67.
- 4-E (Holmes Harbor):
U.W. Ocean., Hoh, 1963-67.
- 1-E (Penn Cove):
U.W. Ocean., Hoh, S.J., 1966.
- 3-E (Utsalady):
U.W. Ocean., Hoh, S.J., 1966.
- 1-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
- 2-JF (beach seine: Port Angeles embayment):
Peninsula College, 1971.
- 2-CP (beach seine: Gig Harbor Spit):
Sea Grant, 72003 (also boat 7208).
- 1-GS (beach seine: just south of Cherry Point): Sea Grant, 72008.
- 3-S (Duwamish River estuary, between 16th S. and 1st Ave. S. bridges):
Sea Grant, 1972.
- 3-AI (beach seine: Mutiny Bay):
Sea Grant, 1972.
- 5-CS (beach seine: Seahurst County Park): Sea Grant, 72016.
- 1-PO (beach seine: Dyes Inlet, Tracyton launch ramp):
Sea Grant, 72018.
- 3-SS (off Nisqually Flats):
Sea Grant, 1972.
- 1-SS (beach seine: Nisqually Head):
Sea Grant, 72030.
- 3-CP (off Gig Harbor Spit):
Sea Grant, 72025.
- 1-HC (off Big Beef Harbor):
Sea Grant, 72026.
- 8-S (beach seine: Golden Gardens):
Sea Grant, 1972.
- 2-B (beach seine: Wildcat Cove):
Sea Grant, 72029.
- 1-B (Bellingham Bay, off Nooksack River estuary):
Sea Grant, 72035.
- 6-S (beach seine: north side of West Point): Sea Grant, 1973.
- 11-S (beach seine: south side of West Point): Sea Grant, 1973.
- 4-S (beach seine: north of Meadowdale at Lunds Gulch):
Sea Grant, 73002.
- 1-S (off northwest side of West Point): Sea Grant, 1973.
- 3-S (off southwest side of West Point): Sea Grant, 1973.
- 2-S (north of Meadow Point to Carkeek Park): Sea Grant, 1973.
- 1-S (southwest of Alki Point):
Sea Grant, 1973.
- 1-S (Duwamish River estuary, between 1st Ave. S. and 16th Ave. S. bridges): Sea Grant, 1973.
- 4-S (Duwamish River estuary, downstream from 1st Ave. S. bridge): Sea Grant, 1973.
- 4-SS (off Nisqually-McAllister Creek delta): Sea Grant, 1973.
- 1-HC (off southwest of Big Beef Harbor): Sea Grant, 1973.
- 5-B (beach seine: Wildcat Cove):
Sea Grant, 1973.
- 10-SS (mid-channel, McLane Cove to Stretch Island):
Sea Grant, 1973-74.
- 7-HC (off Union):
Sea Grant, 1973-74.
- 8-HC (off Skokomish River delta):
Sea Grant, 1973.
- 3-HC (beach seine: just north of Vinland): Sea Grant, 73038.
- 4-HC (Bangor Annex): Kramer, Chin and Mayo NCEL Survey, 1973.
- 2-SS (Tatsolo Point):
Sea Grant, 73059.



Artedius harringtoni

Cottidae

Published Records

1-AI (Port Ludlow): Starks, 1896b.
 1-PS: Kincaid, 1919.
 1-HC (Holly):
 Schultz and DeLacy, 1935-36.
 1-SJ: Starks, 1911.

University of Washington
Museum Collection

1-S (Government Locks): 98.
 1-SJ (Cattle Point): 1011.
 1-SJ (Lime Kiln): 1028.
 1-SJ (2 miles south of Lime Kiln):
 1059.
 2-SJ (Kanaka Bay): 1080; 1248.
 3-SJ (Peavine Pass):
 1091; 1336; 2090.
 1-SJ (near Peavine Pass): 1200.
 2-SJ (Deer Harbor): 1221; 1285.
 1-SJ (Brown Island): 1234.
 2-SJ (False Bay): 1265; 6185.
 1-JF (Port Angeles): 1425.
 2-S (Alki Point): 1922; 6212.
 1-JF (Dallas Bank): 5387.
 1-CS (Port Madison, off Indianola
 dock): 5888 (also boat 5006B).
 1-S (Richmond Beach):
 5898 (also boat 2/13/50).
 1-CP (Tacoma Aquarium, J. Slipp):
 7183.
 1-S (off Golden Gardens):
 5739 (also boat 497E).
 1-SJ (San Juan Channel): 1328.
 1-SJ (northeast side San Juan
 Island): 1300.
 1-B (Guemes Island, boat harbor):
 1314.
 1-SJ (west shore Blakely Island):
 2113.
 1-SJ (Wasp Pass.): 2973.
 2-SJ: 14304; 17958.
 1-SJ (False Bay reef): 16404.
 1-SJ (Hannah Heights): 18020 (also
 Friday Harbor Log, 8/3/63).
 1-S (beach seine: Golden Gardens):
 18071 (also boat 6211).
 1-SJ (Limestone Point):
 17433 and 17984 (also Friday
 Harbor Log, 6/23/63).

Friday Harbor Laboratory Log

1-SJ (Friday Harbor Lab): 8/2/52.
 1-SJ (north side Johns Island,
 second bay): 8/19/52-1.
 1-SJ (Salmon Banks): 8/14/52.
 1-SJ (Prevost Harbor): 8/19/52.
 1-SJ (Friday Harbor): 8/7/60-2.
 3-SJ (Iceberg Point tidepool):
 8/22/60-1; 7/19/63-2; 7/7/67.
 5-SJ (Deadman Bay):
 6/22/63; 8/2/63; 6/27/67; 7/3/67;
 7/11/67-1.

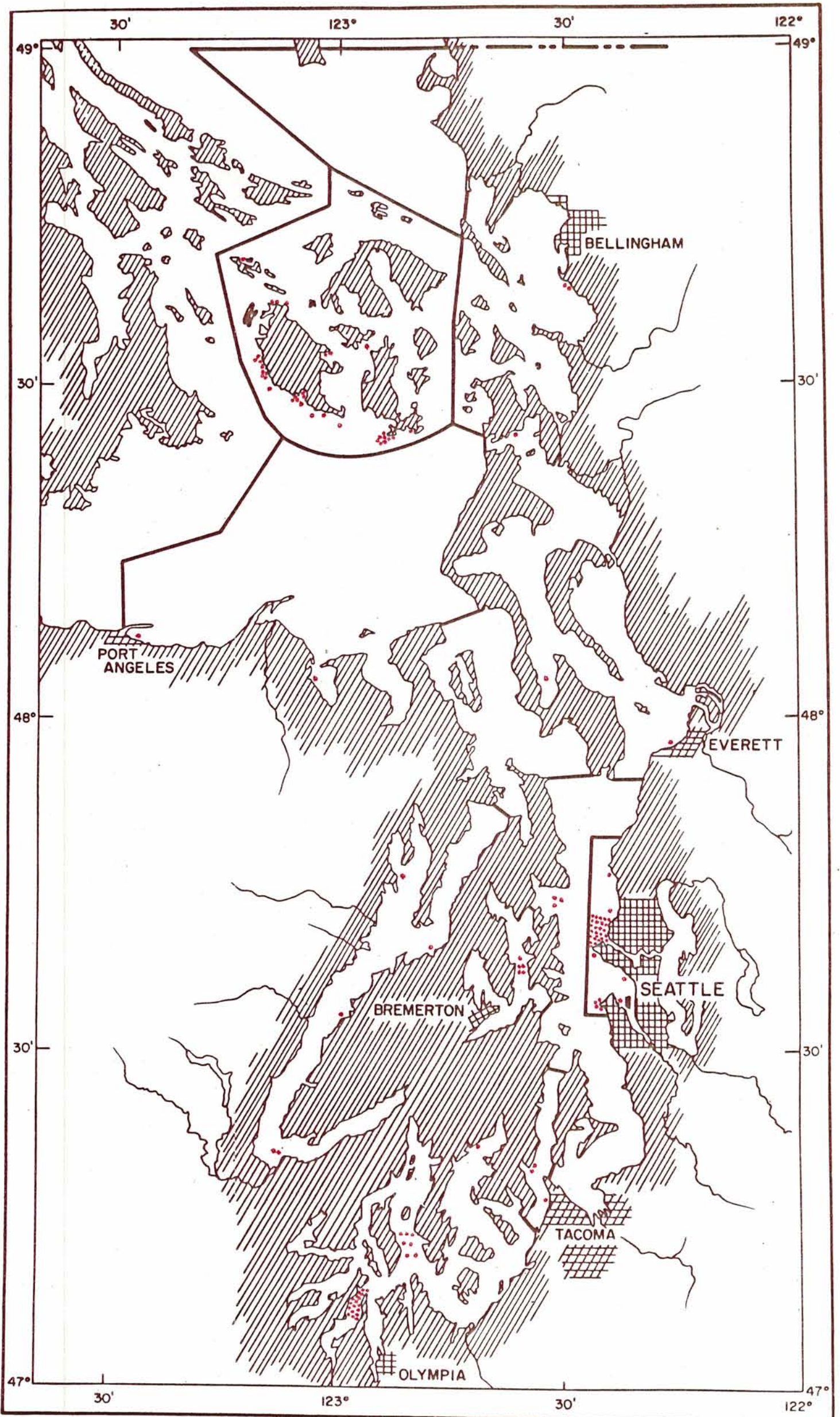
1-SJ (Hannah Heights): 7/6/67.
 1-SJ (point east of Eagle Cove):
 8/5/63.
 1-SJ (False Bay): 7/18/67.

University of Washington Boat Log

1-PO (Agate Pass., buoy N4-N6):
 5006A.
 1-SS (east of Cutts Island): 5037D.
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 beach seine): 5037E.
 8-S (beach seine: Golden Gardens to
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 5001; 5040A; 5127C; 5129B; 5214A;
 6115A; 6509D; 7209B.
 1-S (beach seine: Carkeek Park):
 5311B.
 1-S (Golden Gardens): 6511E.

Miscellaneous Logs

1-PO (south of Fletcher Bay):
 U.W. Ocean., P.O., 1964-65.
 1-S (Golden Gardens to Meadow
 Point):
 U.W. Ocean., Hoh, 1963-68.
 5-CP (beach seine: Gig Harbor Spit):
 Sea Grant, 72003 (also boat
 7208).
 2-CP (off Gig Harbor Spit): Sea
 Grant, 72003 (also boat 7208).
 2-S (off northwest side of West
 Point): Sea Grant, 1973.
 1-SS (off Nisqually River-McAllister
 Creek delta): Sea Grant, 1973.



Artedius lateralis

Cottidae

Published Records

1-PS: Jordan and Starks, 1896.
 1-E (Dewey): Smith, 1937.
 1-SJ: Starks, 1911.
 1-HC (Holly):
 Schultz and DeLacy, 1935-36.
 1-S (Seattle): Jamison, 1966.

University of Washington
Museum Collection

4-S (Alki Point):
 793; 921; 1922; 14255.
 1-SJ (Cattle Point): 1012.
 1-SJ (Lime Kiln): 1025.
 1-SJ (2 miles south of Lime Kiln):
 1058.
 2-SJ (Kanaka Bay): 1077; 1140.
 2-SJ (False Bay): 1175; 1261.
 1-SJ (False Bay reef): 1481.
 1-S (off North Beach): 4719.
 2-S (beach seine: Golden Gardens):
 5767 (also boat 5001); 15742
 (also boat 5040A).
 1-S (Richmond Beach):
 5899 (also boat 2/13/50).
 1-PO: 8157.
 1-JF (Port Angeles): 10190.
 1-SS (Carr Inlet, north of Minter
 Creek): 10217.
 1-SJ (Prevost Harbor): 10456.
 1-SJ (reef north of Lime Kiln
 light): 10762.
 1-HC (Point Whitney): 14690.
 1-CP (Tacoma Narrows): 15196.
 1-SJ (south of Smallpox Bay): 14313
 (also Friday Harbor Log, 7/8/52).
 1-SJ (Smallpox Bay): 14314.
 1-SJ (Deadman Bay): 17935 (also
 Friday Harbor Log, 8/2/63).
 1-SJ: 17965.
 1-SJ (Hannah Heights): 18003 (also
 Friday Harbor Log, 8/3/63).
 1-SJ (Iceberg Point): 18006 (also
 Friday Harbor Log, 7/18/63-2).
 1-SJ (Limestone Point): 17430 (also
 Friday Harbor Log, 6/23/63).
 1-SJ (point east of Eagle Cove):
 17412 (also Friday Harbor Log,
 8/5/63).

Friday Harbor Laboratory Log

3-SJ (Iceberg Point tidepool):
 8/4/55-2; 7/19/63-2; 6/29/73-2.
 2-SJ (Friday Harbor Lab):
 8/18/55; 7/19/60.
 1-SJ (Kanaka Bay): 8/21/60.
 1-SJ (McArdle Bay): 8/22/60-3.
 4-SJ (Iceberg Point):
 6/28/61-2; 7/7/67; 6/30/69-3,5.
 1-SJ (False Bay): 6/29/61.
 1-SJ (Smallpox Bay): 7/13/61.
 3-SJ (Deadman Bay):
 6/22/63; 7/3/57; 7/11/67-1.

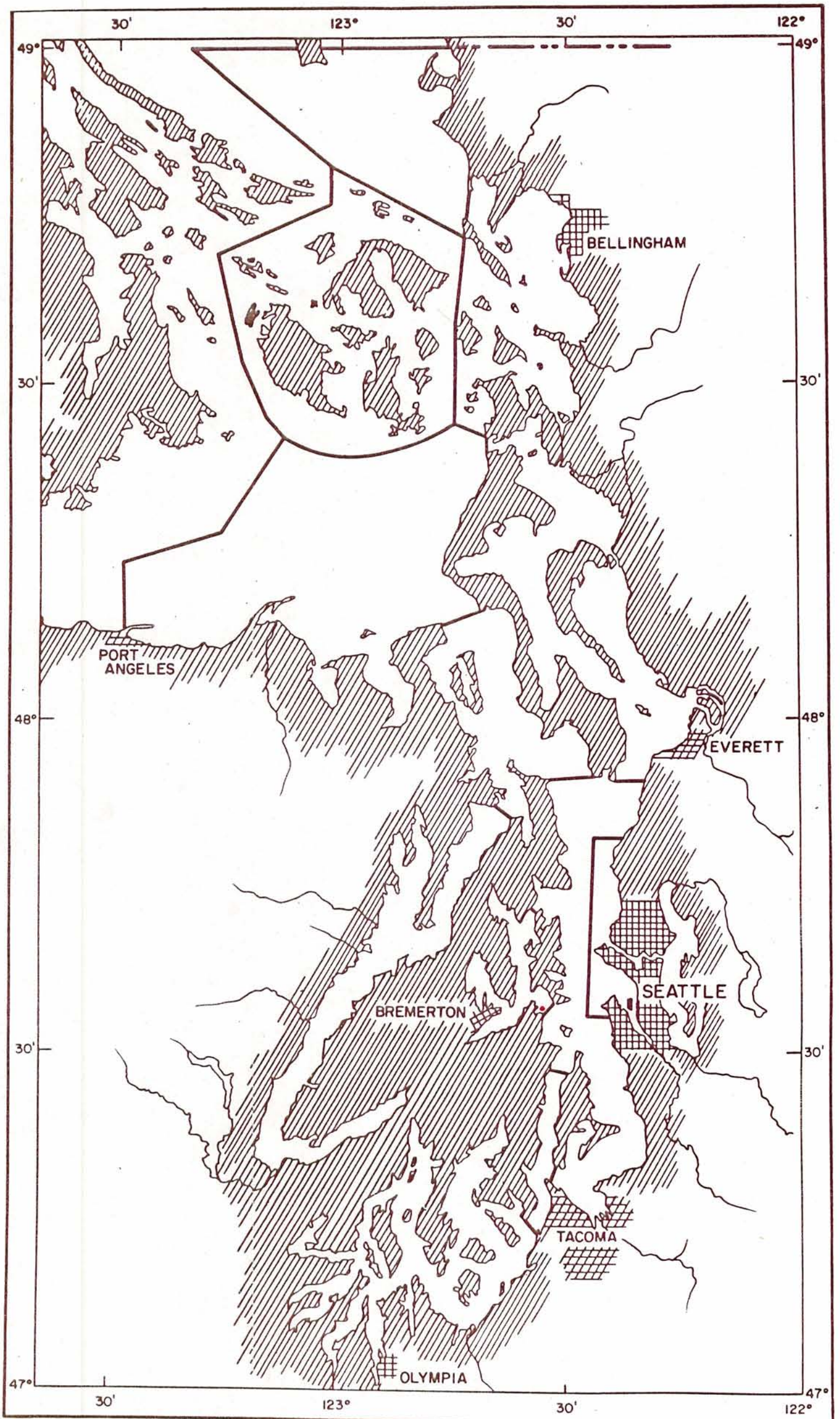
1-SJ (Hannah Heights): 7/6/67.
 1-SJ (Eagle Point): 7/5/67.
 1-SJ (Squaw-Ogden): 6/27/69.

University of Washington Boat Log

1-S (off Golden Gardens): 5203D.
 2-S (beach seine: Golden Gardens):
 6509; 6511D.

Miscellaneous Logs

1-S (Duwamish River estuary):
 U.W. Ocean., 1964-67.
 1-E (Port Gardner Bay):
 U.W. Ocean., P.G., 1962-67.
 4-PO (south of Fletcher Bay):
 U.W. Ocean., P.O., 1964-65.
 44-S (Golden Gardens to Meadow
 Point):
 U.W. Ocean., Hoh, 1963-68.
 1-PO (south and north of Fletcher
 Bay): U.W. Ocean., Hoh, 1963-67.
 7-SS (Case Inlet, off Taylor Bay to
 off Whiteman Cove):
 U.W. Ocean., Hoh, 1963-67.
 3-CS (Port Madison):
 Van Cleve, trap, 1961-65.
 24-SS (Eld Inlet entrance):
 Van Cleve, trap, 1961-65.
 1-JF (upper part of Discovery Bay):
 Sea Grant, 71111.
 2-CP (beach seine: Gig Harbor Spit):
 Sea Grant, 72003 (also boat
 7208).
 1-HC (off Big Beef Harbor):
 Sea Grant, 72026.
 1-B (beach seine: Wildcat Cove):
 Sea Grant, 72029.
 1-S (beach seine: south side of West
 Point): Sea Grant, 1973.
 1-B (beach seine: Wildcat Cove):
 Sea Grant, 1973.
 2-HC (off Skokomish River delta):
 Sea Grant, 1973.
 1-E (Holmes Harbor):
 Van Cleve, trap, 1961-65.

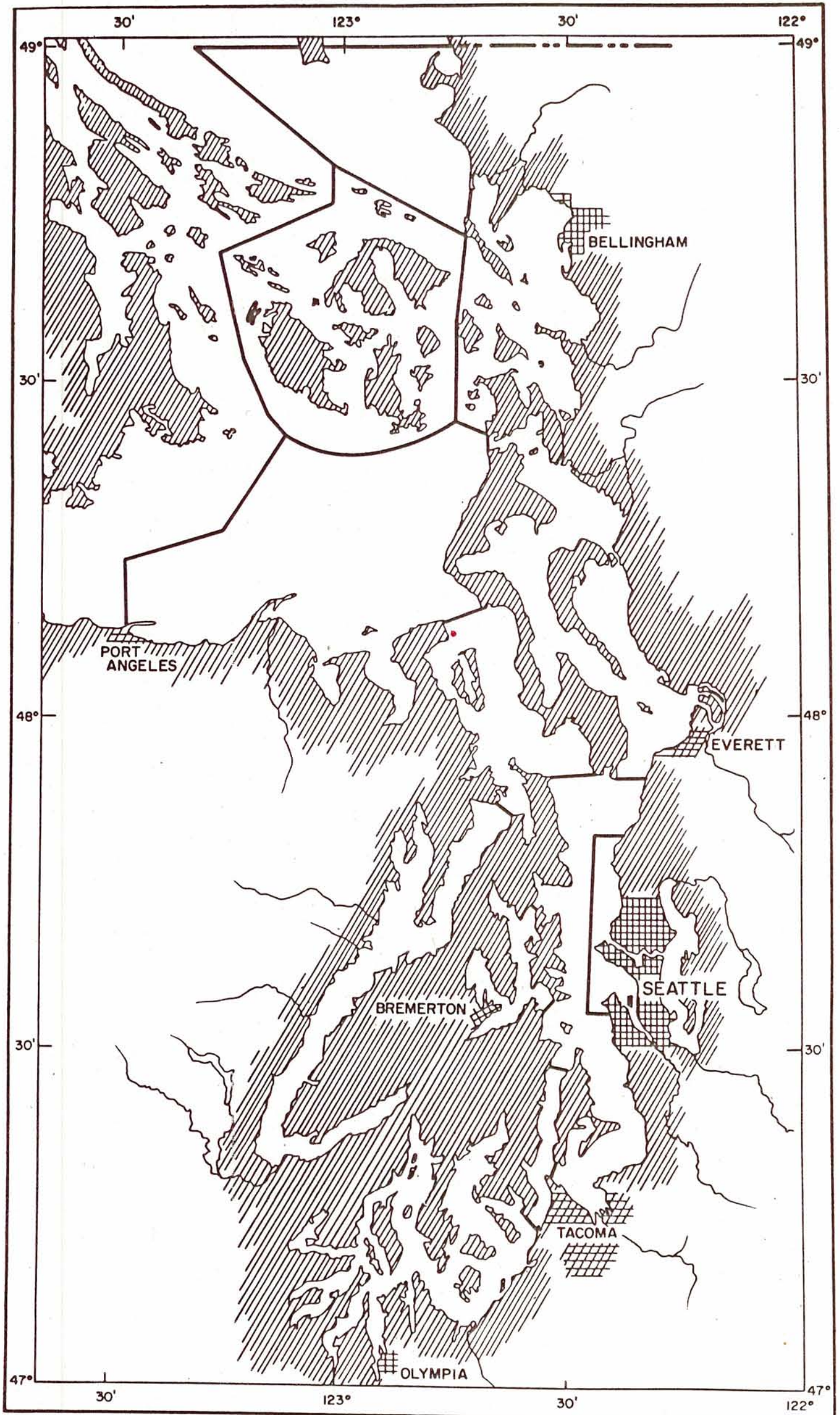


Arteaïus meanyi

Cottidae

Published Records

1-PO (Orchard Point): Jordan and Starks, 1896; Kincaid, 1919; Rosenblatt and Wilkie, 1963 (verified Jordan and Starks record).



Artedius notospilotus

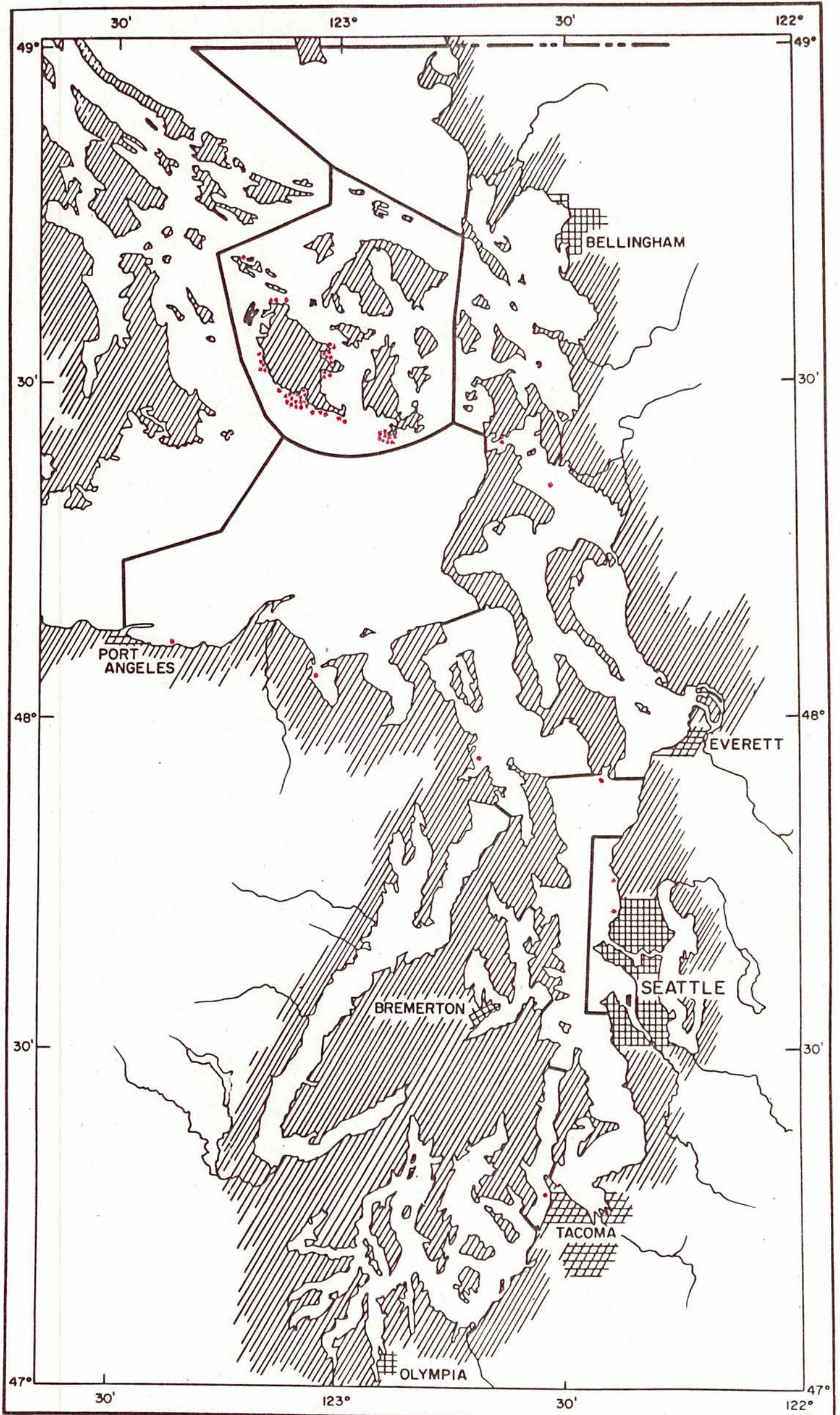
Cottidae

Published Records

1-AI (Port Townsend):

Girard, 1859; Suckley, 1860.

1-PS: Jordan and Gilbert, 1881c,
1882; Hubbs, 1926 (verified
Jordan and Gilbert record).



Ascelichthys rhodorus

Cottidae

Published Records

1-AI (Port Ludlow): Starks, 1896b.
 1-SJ: Shelford et al., 1935.
 1-PS: Kincaid, 1919.
 1-E (Skagit and Similk Bays):
 Stober and Salo, 1970a.

University of Washington
Museum Collection

1-E (Deception Pass): 172.
 1-SJ (Cattle Point): 1015.
 1-SJ (Lime Kiln): 1023.
 2-SJ (Friday Harbor): 1040; 1492.
 1-SJ (2 miles south of Lime Kiln):
 1057.
 5-SJ (Kanaka Bay): 1073; 1144;
 1246; 10438; 14259.
 3-SJ (False Bay):
 1270; 6184; 16362.
 1-CP (Tacoma): 14359.
 1-JF (beach near Morse Creek):
 14635.
 2-SJ (Iceberg Point):
 2955; 1799 (also Friday Harbor
 Log, 7/18/63-2).
 1-SJ (Prevost Harbor): 10450 (also
 Friday Harbor Log, 8/19/52).
 1-SJ (entrance to False Bay):
 10458 (also Friday Harbor Log,
 8/4/52-1).
 1-SJ (reef north of Lime Kiln
 light): 10763.
 1-SJ (Smallpox Bay): 11180 (also
 Friday Harbor Log, 7/8/52).
 1-SJ (Iceberg Point tidepool):
 16363 (also Friday Harbor Log,
 7/22/52-3).
 1-SJ (Hannah Heights): 17939.
 1-SJ (Limestone Point): 17437 (also
 Friday Harbor Log, 6/23/63).
 1-SJ (point east of Eagle Cove):
 17424 (also Friday Harbor Log,
 8/5/63).

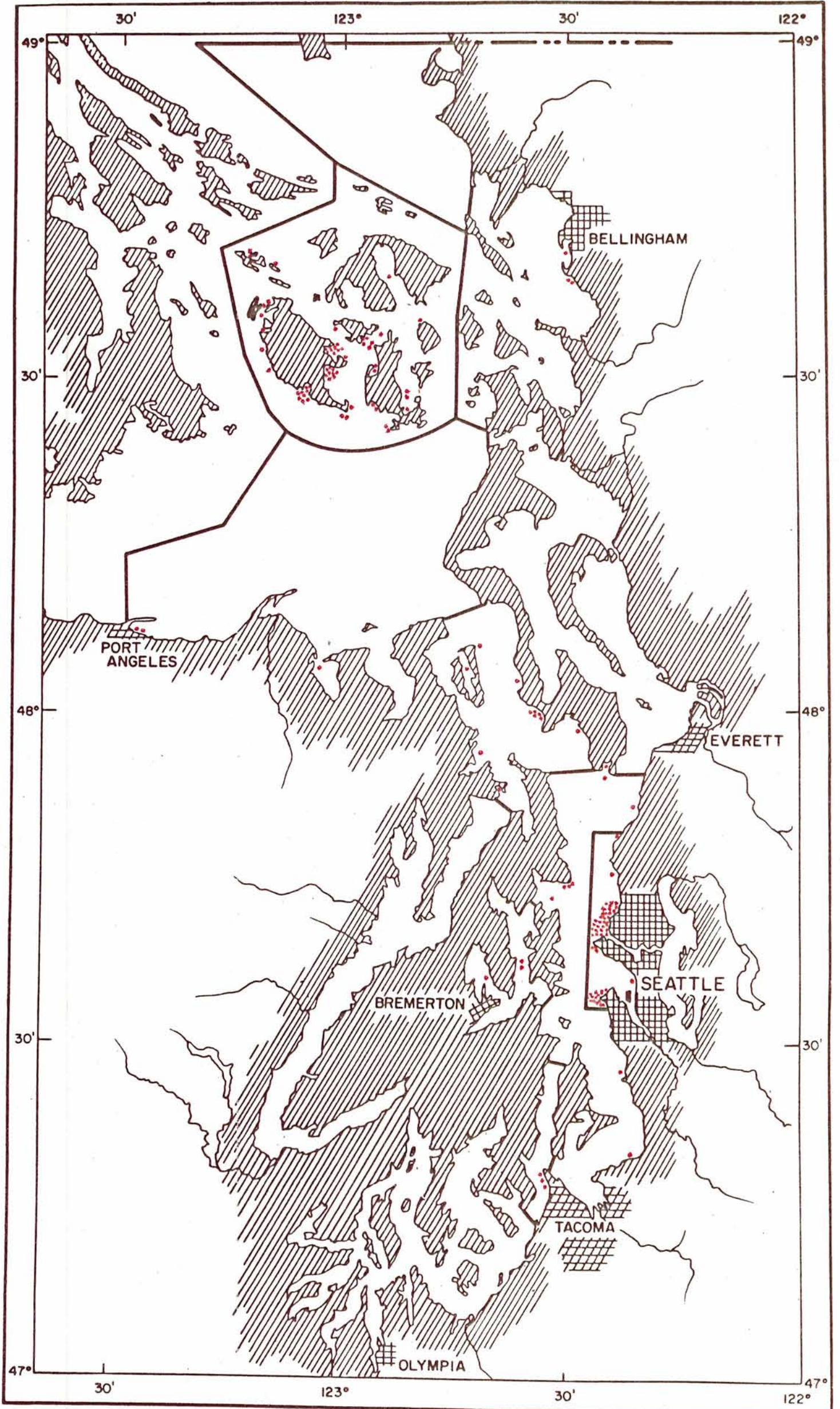
Friday Harbor Laboratory Log

1-SJ (American Camp): 7/6/52.
 2-SJ (Iceberg Point tidepool):
 8/4/55-2 (also boat 5520D);
 8/22/60-1.
 1-SJ (Brown Island): 8/2/55.
 3-SJ (Argyle Bay):
 8/16/55-2,3; 8/11/60-4.
 2-SJ (outside False Bay):
 8/17/55-1,2.
 4-SJ (Friday Harbor Lab): 7/9/60;
 8/4/60-1; 6/67; 6/21/67-2.
 5-SJ (False Bay): 8/5/60; 8/29/61;
 7/26/61; 6/21/63; 7/18/67.
 1-SJ (Kanaka Bay): 8/21/60.
 1-SJ (Friday Harbor): 6/27/61.
 5-SJ (Iceberg Point): 6/28/61-2;
 7/19/63-2; 7/7/67; 6/30/69-3,5.
 2-SJ (Deadman Bay):
 6/22/63; 7/3/67.

1-SJ (Cattle Point): 6/22/67.
 1-SJ (Eagle Point): 7/5/67.
 1-SJ (Hannah Heights): 7/6/67.

Miscellaneous Logs

1-CS (Scatchet Head): A.C. DeLacy,
 personal communication.
 1-S (Carkeek Park): George Warner,
 personal communication, 1957.
 1-JF (Sequim Bay):
 Battelle, 1967-69.
 1-S (south of Richmond Beach): A.C.
 DeLacy, personal communication.



Blepsias cirrhosus

Cottidae

Published Records

1-PS: Steindachner, 1877.
 1-AI (Port Ludlow): Starks, 1896b.
 1-JF (beach seine: Port Angeles):
 Gilbert, 1895.
 1-PS: Kincaid, 1919.
 2-AI (Marrowstone Point; Kilisut
 Harbor):
 Evermann and Goldsborough, 1907.
 1-SJ: Starks, 1911.
 1-SJ (near Friday Harbor):
 Powers, 1921.
 1-SJ: Shelford et al., 1935.
 1-SJ (Friday Harbor):
 Wismer and Swanson, 1935.
 1-S (Seattle): Jamison, 1966.
 3-CS (beach seine: south side of
 Point Jefferson): Kendall, 1966.
 S (south of Meadow Point):
 DeLacy and English, 1954
 (duplicates boat log records).

University of Washington
Museum Collection

1-SJ (Argyle Bay): 557.
 3-SJ (False Bay): 577; 584; 2268.
 1-SJ (East Sound, White Beach):
 594.
 2-SJ (Davis Bay): 597; 1188.
 9-SJ (Alki Point): 666; 753; 826;
 919; 4503; 4890; 4891; 796; 4906.
 1-SJ (Flat Point): 722.
 1-SJ: 730.
 1-SJ (Cattle Point): 1007.
 2-SJ (Friday Harbor): 1041; 2181.
 2-SJ (Peavine Pass): 1090; 1105.
 1-S (Edmonds): 4321.
 1-S (hook and line, Seattle
 waterfront): 4382.
 1-AI (Useless Bay): 4419.
 1-S (beach seine: Alki Point):
 4530.
 1-S (beach seine: spit near Ballard
 Locks): 4575.
 1-AI (Bywater Bay): 4437.
 1-CS (off Cultus Bay):
 5923 (also boat 5032A).
 1-CS (beach seine: Cultus Bay):
 10210 and 16368 (also boat 5217).
 1-CP (Point Defiance): 11714.
 1-CP (Tacoma Narrows): 15198.
 1-B (Chuckanut Bay): 18284.
 1-S (off Golden Gardens):
 5987 (also boat 495D).
 8-S (beach seine: Golden Gardens to
 Meadow Point): 5937 (also boat
 5032.1B); 5907 (also boat
 5032.1C); 5931 (also boat
 5032.1D); 8896 (also boat 5121B);
 11179 (also boat 5116D2); 14312;
 14389; 5806 (also boat 5036A).
 1-SJ (False Bay reef): 1490.
 1-SJ (Brown Island): 2131.
 1-CS (Redondo Beach): 4997.

2-S (Carkeek Park Beach):
 5971; 14329.
 1-S (Golden Gardens): 6195.
 1-SJ (Fisherman Bay): 6202.
 1-SJ (Prevost Harbor): 10447 (also
 Friday Harbor Log, 8/19/52).
 1-SJ (Argyle Lagoon): 14247.
 1-S (beach seine: Carkeek Park):
 14352.
 1-SJ (Upright Channel): 17209 (also
 Friday Harbor Log, 7/5/63).
 1-SJ (mid East Sound): 18011 (also
 Friday Harbor Log, 2/21/64).

Friday Harbor Laboratory Log

1-SJ (Argyle Pond): 7/3/52.
 4-SJ (Argyle Bay): 7/21/52;
 8/16/55-1; 8/11/60-3; 7/15/63.
 1-SJ (Friday Harbor Lab): 7/30/52.
 1-SJ (north Johns Island, second
 bay): 8/19/52-2.
 1-SJ (Friday Harbor): 6/21/55-1.
 1-SJ (Fisherman Bay): 6/24/55-1.
 1-SJ (Mosquito Pass., White Point):
 6/25/55-1.
 3-SJ (Squaw Bay):
 8/1/55; 7/10/61-1; 8/1/60-1.
 1-SJ (Iceberg Point tidepool):
 8/4/55-2.
 1-SJ (south of Satellite Island):
 8/15/55-1.
 1-SJ (Mud Bay): 8/15/55-3.
 2-SJ (outside False Bay):
 8/17/55-1,2.
 1-SJ (west of Goose Island):
 7/13/50-5.
 1-SJ (south of Neck Point):
 8/14/50-1.
 2-SJ (San Juan Island, opposite
 Henry Island): 7/31/50-1,2.
 6-SJ (False Bay):
 7/17/50-1; 7/24/60; 8/5/60;
 6/29/61; 6/21/63; 7/18/67.
 1-SJ (Mitchell Bay): 8/16/60-1.
 2-SJ (North Bay): 8/18/60-1,2.
 1-SJ (Iceberg Point): 8/22/60-2.
 1-SJ (Smallpox Bay): 7/13/61.
 1-SJ (Turn Island): 7/30/61.
 1-SJ (San Juan Island): 5/62.
 1-SJ (Deadman Bay): 6/22/63.
 1-SJ (Cattle Point): 6/23/67-1.
 1-SJ (Squaw-Ogden): 6/27/69.
 1-SJ (Friday Harbor Lab, night
 light): 1969.

University of Washington Boat Log

23-S (beach seine: Golden Gardens to
 Meadow Point): 5040A; 5112F;
 5114B; 5116B,D1,F,G2; 5119E;
 5127C; 5129B; 5134A; 5137B;
 5209C; 5214B1,B2,C,F; 5314D;
 5320A; 5328A; 5406; 5407; 5612A.

Blepsias cirrhosus

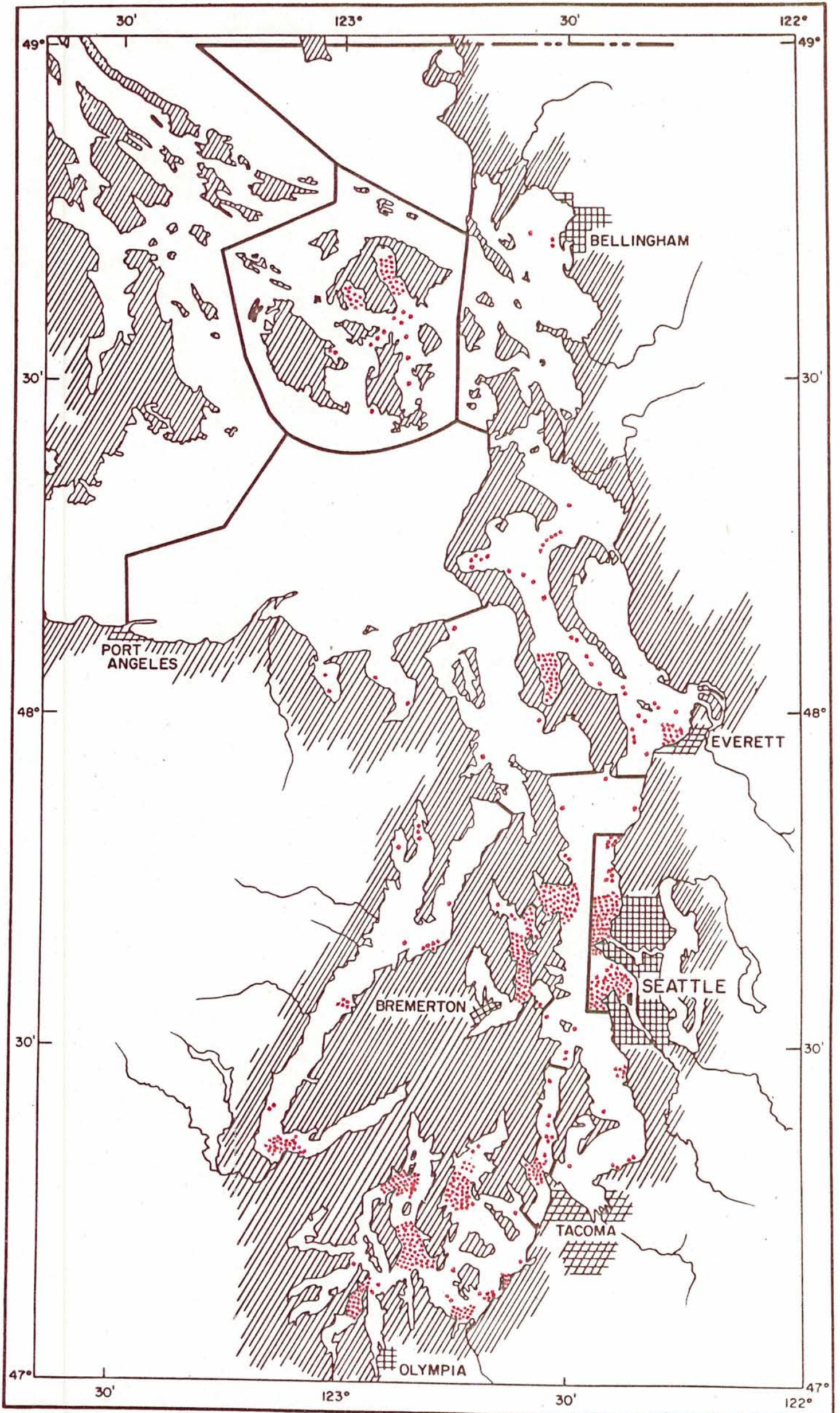
Cottidae

University of Washington Boat Log

- 1-S (off Golden Gardens to Meadow Point): 5203C.
 2-S (beach seine: Carkeek Park): 5221B; 5231A.
 2-SJ (training cruise area: Lopez Sound, southwest of Center Island): 7118I; 7017I.

Miscellaneous Logs

- 2-PO (south of Fletcher Bay):
 U.W. Ocean., P.O., 1964-65.
 11-S (Golden Gardens to Meadow Point):
 U.W. Ocean., Hoh, 1963-68.
 1-CS (Port Madison):
 U.W. Ocean., Hoh, 1963-68.
 1-S (Alki Point):
 S.L. Ralston, Diving Log, 1971.
 1-CP (Salmon Beach):
 S.L. Ralston, Diving Log, 1971.
 3-S (Golden Gardens):
 S.L. Ralston, Diving Log, 1971.
 1-AI (South Whidbey State Park):
 S.L. Ralston, Diving Log, 1971.
 1-S (Richmond Beach):
 S.L. Ralston, Diving Log, 1971.
 3-S (beach seine: south of Meadow Point): Sea Grant, 72032.
 4-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
 1-PO (Clam Bay): NIH, 1968-71.
 1-SJ (Argyle Bay): Bruce Miller, Diving Log, 7/20/69.
 1-JF (beach seine: Port Angeles embayment):
 Peninsula College, 1971.
 1-JF (Sequim Bay):
 Battelle, 1967-69.
 5-AI (beach seine: Mutiny Bay launch ramp): Sea Grant, 1972.
 1-CS (beach seine: Seahurst County Park): Sea Grant, 72016.
 1-PO (beach seine: Dyes Inlet, Tracyton launch ramp):
 Sea Grant, 72018.
 2-S (beach seine: south side of West Point): Sea Grant, 1973.
 1-CS (beach seine: north of Meadowdale at Lunds Gulch):
 Sea Grant, 73002.
 1-S (off southwest side of West Point): Sea Grant, 1973.
 5-S (north of Meadow Point to Carkeek Park): Sea Grant, 1973.
 1-S (southwest of Alki Point):
 Sea Grant, 1973.
 2-B (beach seine: Wildcat Cove):
 Sea Grant, 1973.



Chitonotus pugetensis

Cottidae

Published Records

- 1-SS (Fort Steilacoom):
Steindachner, 1877.
1-AI (Port Townsend):
Steindachner, 1877.
1-AI (Port Ludlow): Starks, 1896b.
1-S (Seattle):
Evermann and Goldsborough, 1907.
1-SJ: Starks, 1911.
1-SJ (Friday Harbor):
Wisner and Swanson, 1935.
1-B (Bellingham Bay): Smith, 1936.
2-E (Coupeville): Smith, 1936.
1-JF (Sequim Bay):
Smith, 1936 (also museum 3887).
1-SJ (Upright Channel):
Smith, 1937.
1-HC (Hoodsport): Smith, 1937.
1-HC (Quilcene Bay):
Smith, 1937 (also museum 4445).
2-E (Columbia Beach): Smith, 1937.
3-E (Langley; Elger Bay; Camano):
Smith, 1937.
2-E (Gedney Island): Smith, 1937.
2-CS (north of Point Pully;
Meadowdale): Smith, 1937.
6-SS (Carr Inlet; Anderson Island;
Nisqually Flats; Dofflemeyer
Point; Case Inlet; Hale Pass.):
Smith, 1937.
97-S (Duwamish Head): Salo, 1969.
1-E (Port Gardner Bay): Salo, 1969.
1-E (Skagit Bay): Salo, 1969.
1-S (Seattle): Jamison, 1966.
2-CS (Dumas Bay): Miller, 1971b.
4-CS (Seahurst County Park):
Miller, 1971b.
2-HC (Anderson Cove): Chew, 1970.
SJ: MacPhee and Clemens, 1962
(duplicated by Friday Harbor Lab
Log).
- University of Washington
Museum Collection
- 3-S (Alki Point): 668; 790; 822.
6-S (Golden Gardens): 775; 5044;
5648; 6140; 14354; 16733.
1-SJ (near Davis Bay): 1184.
3-PS: 1467; 3117; 7317.
3-SJ (West Sound):
2196; 2226; 14256.
1-PS (Hood Canal to Port Susan):
2327.
1-E (Saratoga Pass., Camano Head):
2548.
1-E (east of Gedney Island): 2563.
1-E (off Snohomish River): 2619.
1-E (Saratoga Pass., Sandy Point):
2659.5.
1-SJ (Blakely Island to Shaw
Island): 2953.
1-E (Clinton to Saratoga Pass.):
3164.
1-S (Elliott Bay): 3169.
- 1-SJ (Flat Point): 3557.
1-HC (near Hoodsport): 3957.
4-S (North Beach):
4327; 4628; 4630; 4815.
3-E (Saratoga Pass.):
4328; 4329; 4300.
1-S (beach seine: Alki Point):
4487.
2-S (off North Beach): 4704; 4736.
1-E (Mukilteo): 5019.
2-CS (Redondo Beach): 5309; 4792.
1-CS (off Cultus Bay):
5642 (also boat 5/7/49-3).
1-SS (off Budd Inlet):
5661 (also boat 7/20/49-4).
1-SS (off McLane Cove):
5665 (also boat 7/20/49-3).
1-SS (northwest end of Nisqually
Reach):
5673 (also boat 7/20/49-5).
1-PO (Agate Pass., buoy N4 to N6):
6024 and 7295 (also boat 5106E).
1-E (south end of West Pass.):
6033.
1-CS (mouth of Port Madison): 6080.
1-CS (north of Maury Island): 6132.
1-CS (Indianola): 6182.
1-PO (Liberty Bay): 6192.
1-CS (Port Madison):
7309 (also boat 1/22/49-1).
1-SS (Drayton Pass.):
14257 (also boat 7/19/49-2).
1-CP (lower end of Colvos Pass.):
7313.
1-SJ (West Sound): 14256.
1-PO (Agate Pass.): 14336.
4-S (off Golden Gardens):
5838 (also boat 496C); 5736 (also
boat 497E); 6068 (also boat
5029C); 11182.
2-S (Richmond Beach): 4722; 11574.
1-SS (Carr Inlet): 5325.
1-S (Edmonds): 5501.
11-S (beach seine: Golden Gardens):
6003 (also boat 5021A); 6011
(also boat 5021F); 5802 (also
boat 5036A); 6142; 11181 (also
boat 5209B); 11196 (also boat
5215B); 11197 (also boat 5215C);
14300 (also boat 5108B); 14330
(also boat 5209A); 15743; 16367
(also boat 6113B).
5-SJ (East Sound):
16677 (also Friday Harbor Log,
7/11/63); 17069 (also Friday
Harbor Log, 6/20/63); 17129;
18713 (also NIH, 1964-66); 18717
(also NIH, 1964-66).
1-PO (Agate Pass., buoy N4-N6):
5962 (also boat 3/25/49-1).
1-S (1 mile south of Alki Point):
6051.
2-S (off Carkeek Park):
8027 (also boat 5212D); 8071
(also boat 5212E).

Chitonotus pugetensis

Cottidae

University of Washington
Museum Collection

1-S (off Meadow Point): 11198.
 1-SJ (Lopez Sound): 16686.
 1-PO (off Fletcher Bay): 17111.
 1-SJ: 17937.
 1-SJ (mid East Sound): 18712 (also
 Friday Harbor Log, 6/5/64).

Friday Harbor Laboratory Log

1-SJ (south of Orcas Island):
 5/24/52.
 1-SJ (Lopez Sound and West Sound):
 6/27/60.
 2-SJ (East Sound):
 7/26/60; 8/13/50-1.
 1-SJ (Upright Head to Olga):
 8/1/60-2.
 1-SJ (Upright Head to Obstruction
 Pass): 8/22/55-4.
 1-SJ (Upright Channel, Ogden Park):
 8/22/55-8.
 6-SJ (West Sound):
 7/26/60-2; 8/13/60-2; 6/26/61;
 7/27/63-B; 6/20/69-2; 7/6/71-2.
 3-SJ (mid East Sound):
 1/17/64; 2/21/64; 4/3/64.
 1-SJ: 7/14/67.
 1-SJ (Friday Harbor Lab, night
 light): 1969.

University of Washington Boat Log

1-SJ ("West Blakey" shoal, east of
 Humphrey Head): 5033N.
 1-SJ (Lopez Sound, south of Spencer
 Spit): 5033P.
 11-SJ (training cruise area, north
 of Rosario Point):
 6603H; 6614H; 6620H; 6630H;
 6815H; 6908H; 6914H; 7017H;
 7110H; 7118H; 7307H.
 2-B (training cruise area: southwest
 of Post Point): 6620G; 7017G.
 3-E (Holmes Harbor, Dines Point to
 Classic): 5305C; 5312J,K.
 1-E (Holmes Harbor, Rocky Point to
 Dines Point): 5307B.
 2-E (Holmes Harbor, south of
 Classic): 5312L; 5316E.
 1-E (beach seine: Good Beach, Penn
 Cove): 5316H.
 1-E (Elger Bay): 5418I.
 1-E (Penn Cove): 5614J.
 1-E (Saratoga Pass., Snatelum Point
 to Onamac Point): 5712C.
 1-E (training cruise area: east of
 Gedney Island): 6603C.
 3-HC (Dabob Bay, Broad Spit to Long
 Spit): 6702D,E,F.
 3-HC (Anderson Cove): 7009D,B,C.
 9-CS (Port Madison):
 1/22/49-1,2,3,4,5; 3/25/49-3;
 5043A; 6203A; 6204B.
 1-CS (off Port Madison): 5043B.
 1-CS (off Agate Pass.): 5310.2F.

1-CS (off Fay Bainbridge State
 Park): 5805A.
 2-CS (east of Point Monroe):
 5805C; 5813C.
 1-CS (beach seine: Fay Bainbridge
 State Park): 5806A.
 1-CS (off West Point): 7017Y.
 1-CS (Manchester): 6618.
 24-CS (Murden Cove):
 6610A,D,C; 6616; 6710A2,B2;
 6713C,D,G,H; 6809A; 6812B,C,E;
 6818A,B; 6821.5G; 6906B,C,D,E;
 6912; 7008A; 7308A.
 1-CS (training cruise area: mid-
 channel, Skiff Point to West
 Point): 6605B.
 3-CS (trap: Port Madison):
 6213-1,2,3.
 1-CS (trap: Blake Island): 6214-4.
 2-CS Vashon Island, off Sylvan
 Beach): 6703A,B.
 1-CS (Vashon Island, east of Neill
 Point): 6703C.
 1-PO (south part of Agate Pass.):
 4910B.
 1-PO (north of buoy N4): 5020B.
 6-PO (off Manzanita to off Seabold):
 5310.1C,D,.4B,.5B,.5E; 6215A.
 6-PO (buoy N4 to N6): 5048A; 5131A;
 5132C; 5310.3D,.5C,.5F.
 28-PO (off Fletcher Bay to south of
 Battle Point and Brownsville):
 5223B; 5226B; 5232C; 5310.3B,.5G;
 5317A,B; 5707A,B,G; 5709C; 5915B;
 5923B; 5924B; 6001AN; 6016B1,A2,
 B2,A4,A5,B5; 6205D1,D2,D3;
 6403AF; 6427C; 6507K; 6707.
 1-PO (off Battle Point and north):
 5310.3A.
 1-PO (in Manzanita Bay): 5310.3C.
 2-PO (Point Bolin to Keyport):
 5310.4D,E.
 1-PO (off south of Fletcher Bay):
 6016B4.
 6-PO (beach seine: 1 mile north of
 Illahee dock):
 6205A1.1,.2,A2.1,.2,A3.1,.2.
 1-PO (Brownsville to White Point):
 6806A.
 13-PO (most off Fletcher Bay):
 6203B,C,D; 6204A,C; 6214; 6713A,
 B,E,F; 6715; 6821.5F; 7313X.
 3-PO (between "B-2" and "B-1"):
 6205C1,C2,C3.
 54-S (off Golden Gardens to Meadow
 Point):
 491A; 493B; 494B,C; 498A; 5009K;
 5011D; 5014C; 5028A,C; 5029D;
 5034D; 5110B,F; 5112C; 5119C,D,G,
 H; 5127B; 5131C; 5132A,B; 5203C,
 D; 5314C; 5329A,C; 5408A; 5416A;
 5512F,G; 5702AN; 5704D,E; 5707J,
 K; 5907D; 5920A,B,E,F; 5924C;
 6018A; 6112B,C; 6206A,B; 6311A,D,
 E; 6506A,C; 6510C.

Chitonotus pugetensis

Cottidae

University of Washington Boat Log

- 1-S (south of West Point to off Four-Mile Rock): 5027D.
- 4-S (beach seine: Alki Point to Duwamish Head): 4-6619.
- 60-S (beach seine: Golden Gardens to Meadow Point):
5007D; 5018A; 5024A,C; 5047A,B,C;
5108C; 5110G,H; 5112F,G; 5114A,B;
5116B,D1,E,G1; 5119F; 5127D;
5129B; 5134A; 5137A,B; 5208B;
5214A,B1,B2,C,D,E,F; 5215D,H,L;
5406; 5407; 5415A,D; 5612A;
5706A,C; 5913B; 5920N; 5925A;
6019C; 6115A; 3-6310; 6509B;
6508D; 6511D; 6518A,B; 6708A,B;
6711A2; 6716A; 7209B.
- 7-S (off Meadow Point to Carkeek Park): 5039A; 5211B; 5212B;
5216A,B; 5606A; 5713A.
- 1-S (beach seine: Carkeek Park): 5231A.
- 1-S (off Alki Point to Duwamish Head): 6615A.
- 1-CP (south of Sandford Point): 7/18/49-1.
- 1-CP (west side south of Command Point): 5133P.
- 3-CP (off Camp Sealth): 5009F; 5104CC,DD.
- 1-CP (off Paradise Cove to Point Sandford): 5126N.
- 1-SS (north end of Pickering Pass., to off McLane Cove): 5009H.
- 1-SS (northwest end of Nisqually Reach): 5009I.
- 6-SS (Carr Inlet, off Glen Cove to off Cutts and Raft Islands): 5037G; 5045H; 5104L,M,O; 5613G.
- 2-SS (Carr Inlet, off Minter Creek to Elgin): 5104D,I.
- 1-SS (southwest of Green Point): 5104T.
- 1-SS (Totten Inlet, off Windy Point to Steamboat Island): 5115D.
- 6-SS (trap: Eld Inlet, 1 mile northeast of Flapjack Point): 5115E; 6208A,E; 6217-2; 6219-1,2.
- 1-SS (Carr Inlet): 5522C.
- 1-SS (Carr Inlet, mid-channel, Glen Cove to Green Point): 6724B-2.
- 50+-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
- 1-HC (Seabeck):
U.W. Ocean., Hoh, 1963-67.
- 3-SS (Nisqually Flats):
U.W. Ocean., Hoh, 1963-67.
- 47+-SS (Case Inlet, off Taylor Bay to off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
- 2-PO (south of Fletcher Bay): U.W. Ocean., herring trawl, 1968-69.
- 10+-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
- 50+-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
- 1-CS (Norma Beach):
U.W. Ocean., Hoh, 1963-68.
- 1-E (Penn Cove):
U.W. Ocean., Hoh, 1963-67.
- 2-E (Saratoga Pass., Demock Point):
U.W. Ocean., Hoh, 1963-67.
- 4-E (off Demock Point to off Utsalady Point):
U.W. Ocean., Hoh, 1963-67.
- 1-E (Port Gardner Bay):
U.W. Ocean., Hoh, 1963-67.
- 15-E (Holmes Harbor):
U.W. Ocean., Hoh, 1963-67.
- 2-CS (Apple Cove Point):
U.W. Ocean., Hoh, S.J., 1966.
- 1-CS (Pilot Point):
U.W. Ocean., Hoh, S.J., 1966.
- 4-SJ (West Sound):
U.W. Ocean., Hoh, S.J., 1966.
- 6-E (Holmes Harbor):
U.W. Ocean., Hoh, S.J., 1966.
- 10-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
- 36-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
- 2-S (Duwamish Head to Alki Point): NIH, 1968-71.
- 1-PO (Clam Bay): NIH, 1968-71.
- 1-HC (Big Beef Harbor): NIH, 69042.
- 1-SS (Case Inlet, Stretch Island to Herron Island): NIH, 1968-71.
- 48-CS (Port Madison):
Van Cleve, trap, 1961-65.
- 15-PO (off Fletcher Bay):
Van Cleve, trap, 1961-65.
- 5-S (off Edmonds):
Van Cleve, trap, 1961-65.
- 125+-SS (Eld Inlet entrance):
Van Cleve, trap, 1961-65.
- 1-E (Holmes Harbor):
Van Cleve, trap, 1961-65.
- 1-SS (north part of Pickering Pass.):
Van Cleve, trap, 1961-65.
- 2-E (Saratoga Pass., west side, just south of Penn Cove):
Van Cleve, trap, 1961-65.
- 2-JF (Discovery Bay, upper and lower parts): Sea Grant, 71111.

Miscellaneous Logs

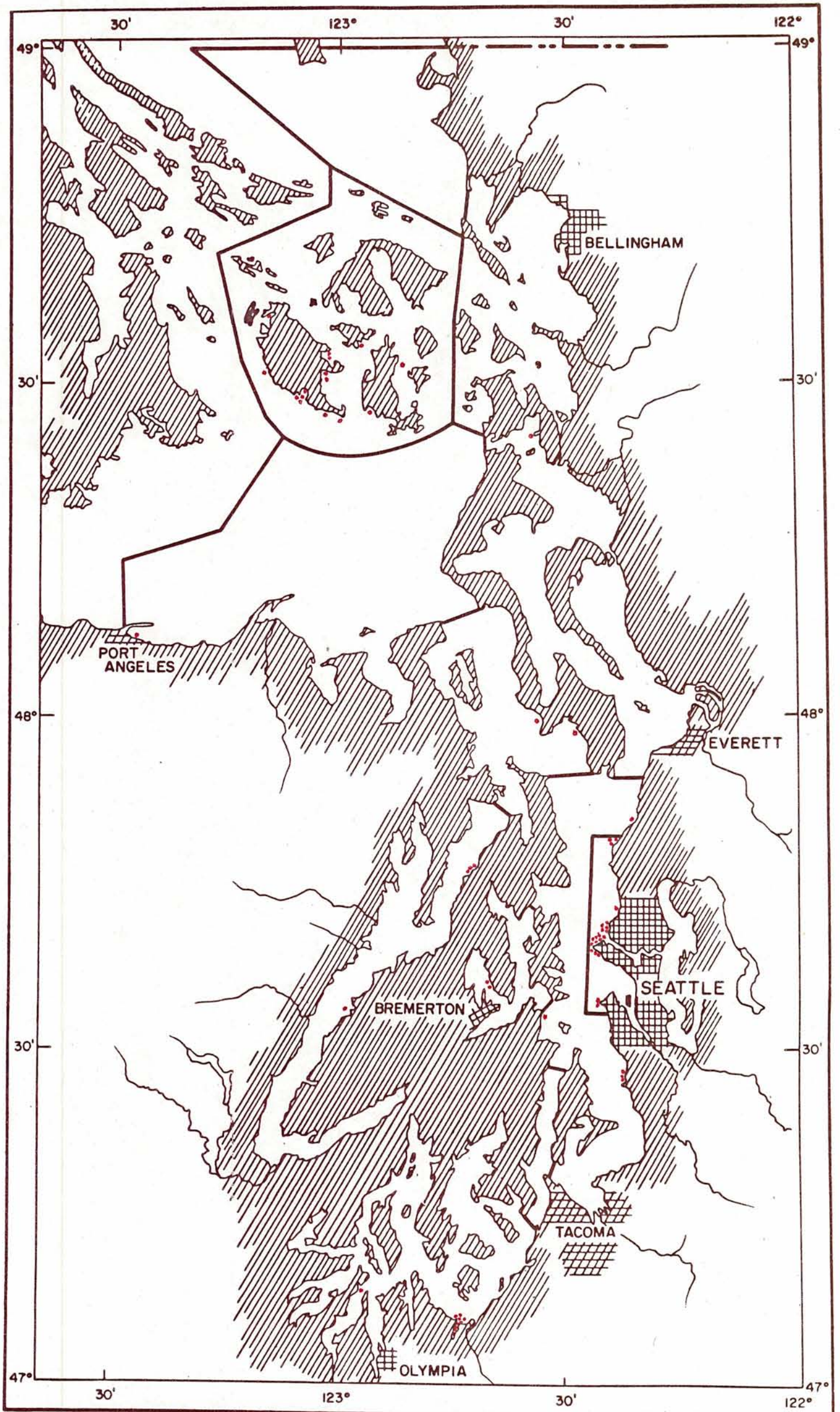
- 50+-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
- 10-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
- 303-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
- 3-S (Richmond Beach):
U.W. Ocean., Hoh, 1963-68.
- 47+-S (Golden Gardens to Meadow Point):
U.W. Ocean., Hoh, 1963-68.

Chitonotus pugetensis

Cottidae

Miscellaneous Logs

- 1-S (south Carkeek Park):
Sea Grant, 3/17/71.
- 1-JF (lower half of Sequim Bay):
Sea Grant, 71110.
- 13-CP (beach seine: Gig Harbor Spit): Sea Grant, 72003 (also boat 7208).
- 4-CP (off Gig Harbor Spit): Sea Grant, 72003 (also boat 7208).
- 1-CP (in Gig Harbor): Sea Grant, 72003 (also boat 7208).
- 8-SS (off Nisqually River-McAllister Creek delta): Sea Grant, 1972.
- 4-CP (off Gig Harbor Spit):
Sea Grant, 72025.
- 2-HC (off Big Beef Harbor):
Sea Grant, 1972.
- 12-S (off northwest side of West Point): Sea Grant, 1973.
- 10-S (off southwest side of West Point): Sea Grant, 1973.
- 4-S (deep otter trawl, off West Point): Sea Grant, 1973.
- 8-S (north of Meadow Point to Carkeek Park): Sea Grant, 1973.
- 16-S (southwest of Alki Point):
Sea Grant, 1973.
- 3-S (deep otter trawl: off southwest of Alki Point): Sea Grant, 1973.
- 4-PO (off south of Fletcher Bay):
Sea Grant, 73008.
- 7-SS (off Nisqually River-McAllister Creek delta): Sea Grant, 1973.
- 2-HC (off southwest of Big Beef Harbor): Sea Grant, 1973.
- 18-SS (McLane Cove toward Stretch Island): Sea Grant, 1973-74.
- 11-SS (west side of Dougall Point):
Sea Grant, 1973-74.
- 22-SS (mid-channel, McLane Cove to Stretch Island):
Sea Grant, 1973-74.
- 15-HC (off Union):
Sea Grant, 1973-74.
- 1-HC (mid-channel, off Union):
Sea Grant, 1973.
- 18-HC (off Skokomish River delta):
Sea Grant, 1973-74.
- 1-HC (Carlson Point to King Spit):
Sea Grant, 73039.
- 1-AI (Mutiny Bay):
Sea Grant, 73049.
- 6-SS (Tatsolo Point):
Sea Grant, 73059.
- 8-SS (Comorant Pass.):
Sea Grant, 73059 and 73060.
- 1-PO (Fletcher Bay): NIH, 1968-71.



Clinocottus acuticeps

Cottidae

Published Records

- 1-CS (Meadowdale):
Schultz and DeLacy, 1935-36.
- 1-HC (Holly):
Schultz and DeLacy, 1935-36.
- 1-E (beach seine: Kiket Island):
Stober and Salo, 1970a.
- 1-CS (Seahurst County Park):
Miller, 1971a (also boat 7113 and
NIH 71101).
- 2-PO (beach seine: Dyes Inlet,
Tracyton launch ramp):
Sea Grant, 72018.
- 6-SS (beach seine: Nisqually Head):
Sea Grant, 1973.
- 1-AI (Mutiny Bay):
Sea Grant, 72033.
- 6-S (beach seine: north side of West
Point): Sea Grant, 1973.
- 3-S (beach seine: south side of West
Point): Sea Grant, 1973.
- 3-SS (McAllister Creek estuary):
Sea Grant, 1973.
- 3-HC (beach seine: just north of
Vinland): Sea Grant, 73038.
- 1-JF (beach seine, Port Angeles
embayment):
Peninsula College, 1971.

University of Washington
Museum Collection

- 1-S (Pipers Canyon): 147.
- 1-SJ (Davis Bay): 614.
- 1-CS (reef north of Manchester
Rocks): 645.
- 1-SJ (False Bay reef): 1468.
- 1-SJ (Squaw Bay): 2082.
- 1-SJ: 3543.
- 2-S (beach seine: Edmonds):
4388; 16395.
- 1-AI (Useless Bay): 4428.
- 1-S (Edmonds Beach): 4558.
- 2-S (Alki Point): 4848; 6218.
- 1-S (west of Ballard Locks): 5014.
- 2-S (beach seine: Golden Gardens):
14443 (also boat 5129B); 15736.
- 1-SJ (Lopez Sound, south of Frost
Island): 15735.
- 1-S (Ballard Beach): 15737.
- 1-B (Chuckanut Bay): 18288.
- 1-SJ (Friday Harbor): 2186.

Friday Harbor Laboratory Log

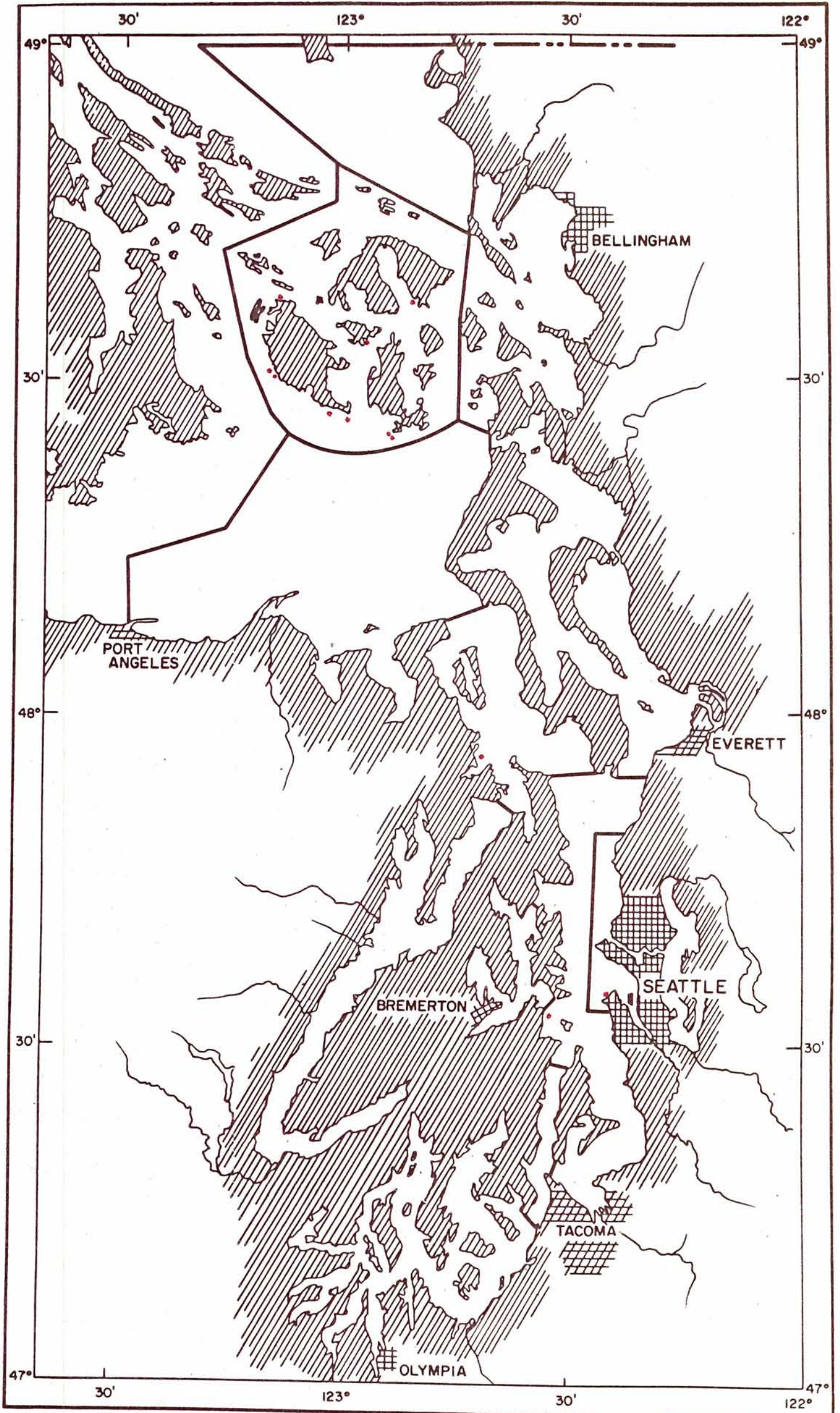
- 1-SJ (outside False Bay):
8/17/55-1.
- 2-SJ (False Bay): 8/5/60; 6/29/61.
- 1-SJ (Argyle Bay): 8/11/60-3.
- 1-SJ (North Bay): 8/18/60-2.
- 1-SJ (Westcott Bay): 8/16/60-2.
- 1-SJ (Cattle Point): 8/6/61.
- 1-SJ (Deadman Bay): 6/22/63.
- 1-SJ (point east of Eagle Cove):
8/5/63.
- 1-SJ (Friday Harbor Lab):
7/17/69-2.

University of Washington Boat Log

- 1-S (beach seine: Golden Gardens):
5127C.

Miscellaneous Logs

- 1-S (Golden Gardens to Meadow
Point):
U.W. Ocean., Hoh, 1963-68.
- 1-SS (Eld Inlet entrance):
Van Cleve, trap, 1961-65.
- 2-CS (beach seine: Seahurst County
Park): Sea Grant, 72016.



Clinocottus embryum

Cottidae

Published Records

- 1-AI (Port Ludlow): Starks, 1896b.
1-SJ: Starks, 1911.
1-PS: Kincaid, 1919.

University of Washington
Museum Collection

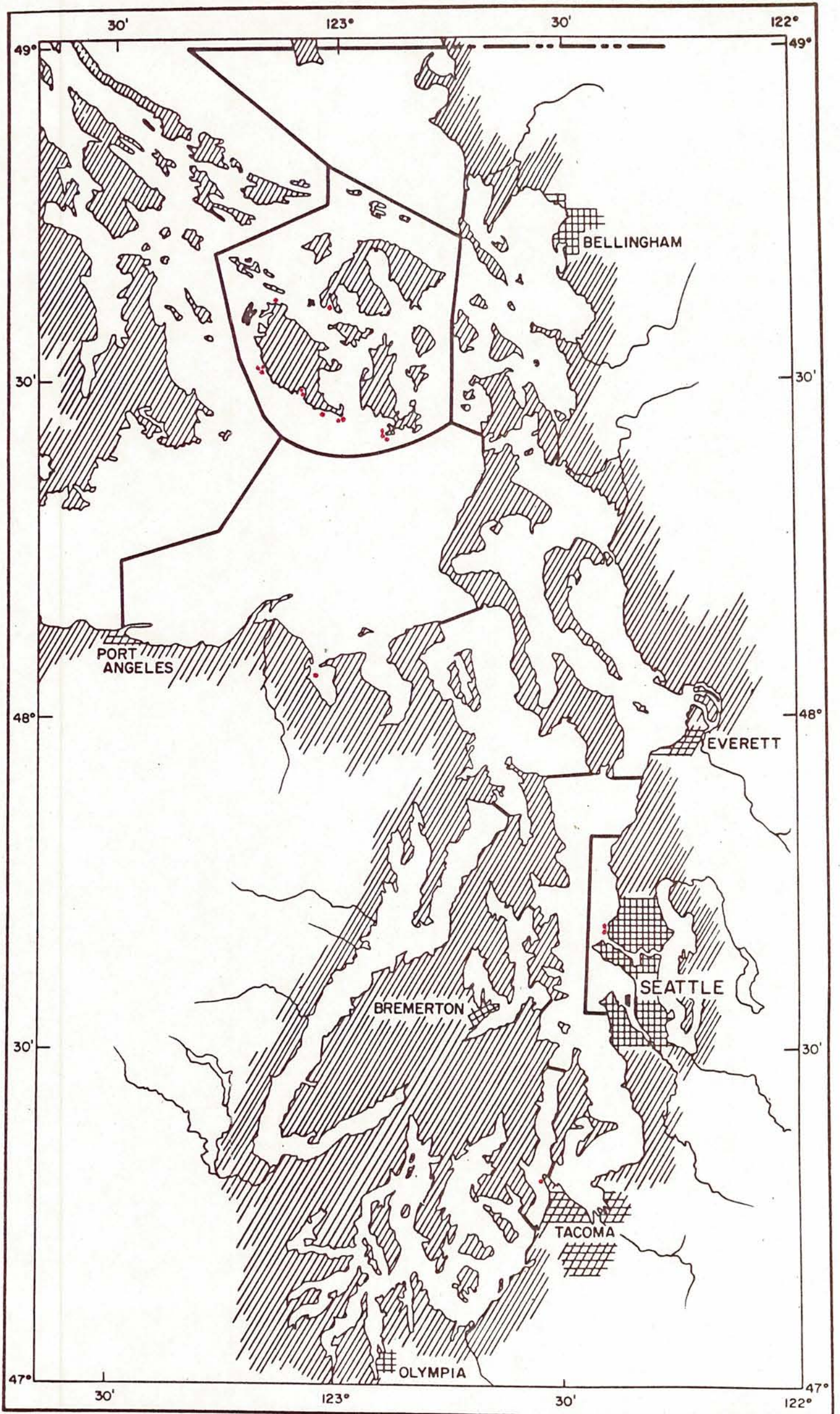
- 1-CS (reef north of Manchester
Rocks): 640.
1-SJ (Cattle Point): 1013.
1-SJ (Lime Kiln): 1027.
1-SJ (near Olga): 1135.
1-SJ (Squaw Bay): 2080.

Friday Harbor Laboratory Log

- 3-SJ (Iceberg Point tidepool):
8/4/55-2; 8/22/60-1; 6/29/73-1.
1-SJ (Deadman Bay): 6/22/63.
1-SJ (Iceberg Point): 7/19/63-2.
1-SJ (point east of Eagle Cove):
8/5/63.
1-SJ (Hannah Heights): 8/3/63.

Miscellaneous Logs

- 1-S (northeast side of West Point,
shallow rock and kelp area):
J. Armstrong, personal
communication, 1/17/76.



Clinocottus globiceps

Cottidae

Published Records

- 1-SJ: Starks, 1911.
 1-PS: Kincaid, 1919.

University of Washington
Museum Collection

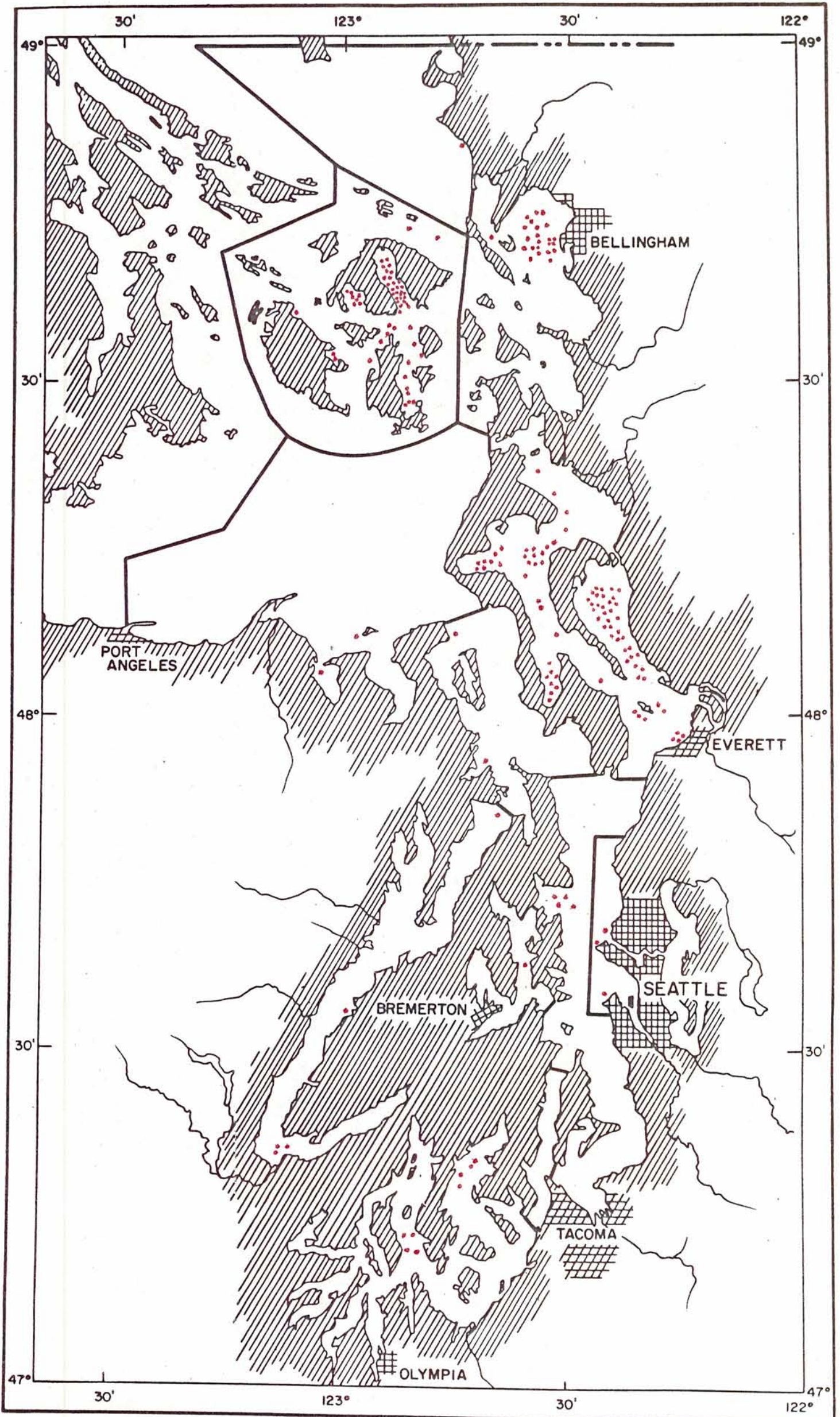
- 1-SJ (Lime Kiln): 1024.
 2-S (beach seine: Golden Gardens):
 15731; 15733.
 1-SJ (Deer Harbor): 2966.
 1-SJ: 17964.
 1-SJ (Deadman Bay): 17946 (also
 Friday Harbor Log, 8/2/63).
 1-SJ (Hannah Heights): 17936 (also
 Friday Harbor Log, 8/3/63).
 1-SJ (point east of Eagle Cove):
 17409 (also Friday Harbor Log,
 8/5/63).

Friday Harbor Laboratory Log

- 1-SJ (Iceberg Point tidepool):
 8/22/60-1.
 2-SJ (Iceberg Point):
 6/28/61-2; 7/19/63-2.
 2-SJ (False Bay): 7/26/61; 6/29/61.
 1-SJ (Cattle Point): 8/6/61.
 1-SJ (Deadman Bay): 6/22/63.
 1-SJ (Eagle Point): 7/5/67.

Miscellaneous Logs

- 1-JF (Sequim Bay):
 Battelle, 1967-69.



Dasycottus setiger

Cottidae

Published Records

- 1-PS: Jordan and Starks, 1896.
 1-AI (north of Tala Point):
 Evermann and Goldsborough, 1907.
 1-SJ: Starks, 1911.
 1-SJ (Friday Harbor):
 Wismer and Swanson, 1935.
 7-B (Bellingham Bay): Smith, 1936.
 4-E (Coupeville): Smith, 1936.
 1-JF (Sequim Bay): Smith, 1936.
 3-E (Gedney Island): Smith, 1937.
 1-HC (Skokomish Flats):
 Smith, 1937.
 1-E (Dines Point): Smith, 1937.
 4-E (Skagit Bay): Salo, 1969.

University of Washington
Museum Collection

- 1-PS: 203.
 1-SJ (west shore of Blakeley
 Island): 2115.
 2-SJ (West Sound): 2224; 14262.
 3-SJ (East Sound):
 2293; 17070 (also Friday Harbor
 Log, 6/20/63); 17147.
 2-SJ (East Sound, south of Rosario
 Point): 18709; 18710 (both also
 NIH, 1964-66).
 1-E (east of Gedney Island): 2559.
 2-E (off Tulalip):
 2910; 5952 (also boat 7/1/49-1).
 1-HC (Holly): 4245.
 2-SJ: 4312; 10194.
 1-B (Bellingham Bay): 4572.
 1-SJ (Lopez Sound, west of Ram
 Island): 5750 (also boat 491P).
 1-SJ (north part of East Sound):
 5760 (also boat 491M).
 1-B (east of Point Frances):
 5791 (also boat 491J).
 1-E (off Warm Beach):
 5887 (also boat 5023A).
 1-SJ (Friday Harbor): 8145.
 1-SJ (Rocky Bay): 2142.
 1-SJ (mid East Sound): 18711 (also
 Friday Harbor Log, 6/5/64).

Friday Harbor Laboratory Log

- 2-B (Bellingham Bay):
 6/22/55; 7/26/51-2.
 1-SJ (north of Hunter Bay):
 6/19/50-5 (also boat 5033G).
 1-SJ (northwest of Barnes Island):
 6/20/50-3 (also boat 5033J).
 1-SJ (south of Orcas Island):
 6/24/52.
 3-SJ (West Sound): 7/9/53-3 (also
 boat 5220I); 6/26/61; 6/20/69-2.
 1-SJ (Orcas Island to Matia Island):
 7/14/52-3.
 1-SJ (east of Willow Island):
 7/28/52-1.
 1-SJ (off Fisherman Bay toward Flat
 Point): 8/4/52-5.

- 3-SJ (East Sound):
 8/11/52; 7/26/60-1; 8/13/60-1.
 1-SJ (lower East Sound):
 8/22/55-6.
 1-SJ (Upright Head): 8/3/60.
 1-SJ (Upright Channel, Ogden Park):
 8/22/55-8.
 3-SJ (Lopez Sound):
 6/16/61; 6/24/67; 7/8/69-2.
 1-SJ (East Sound-Lopez Sound):
 7/11/63.
 5-SJ (mid East Sound):
 1/17/64; 2/21/64; 4/3/64;
 7/11/64; 6/20/69-1.
 1-SJ (Upright Channel): 7/2/69-2.

University of Washington Boat Log

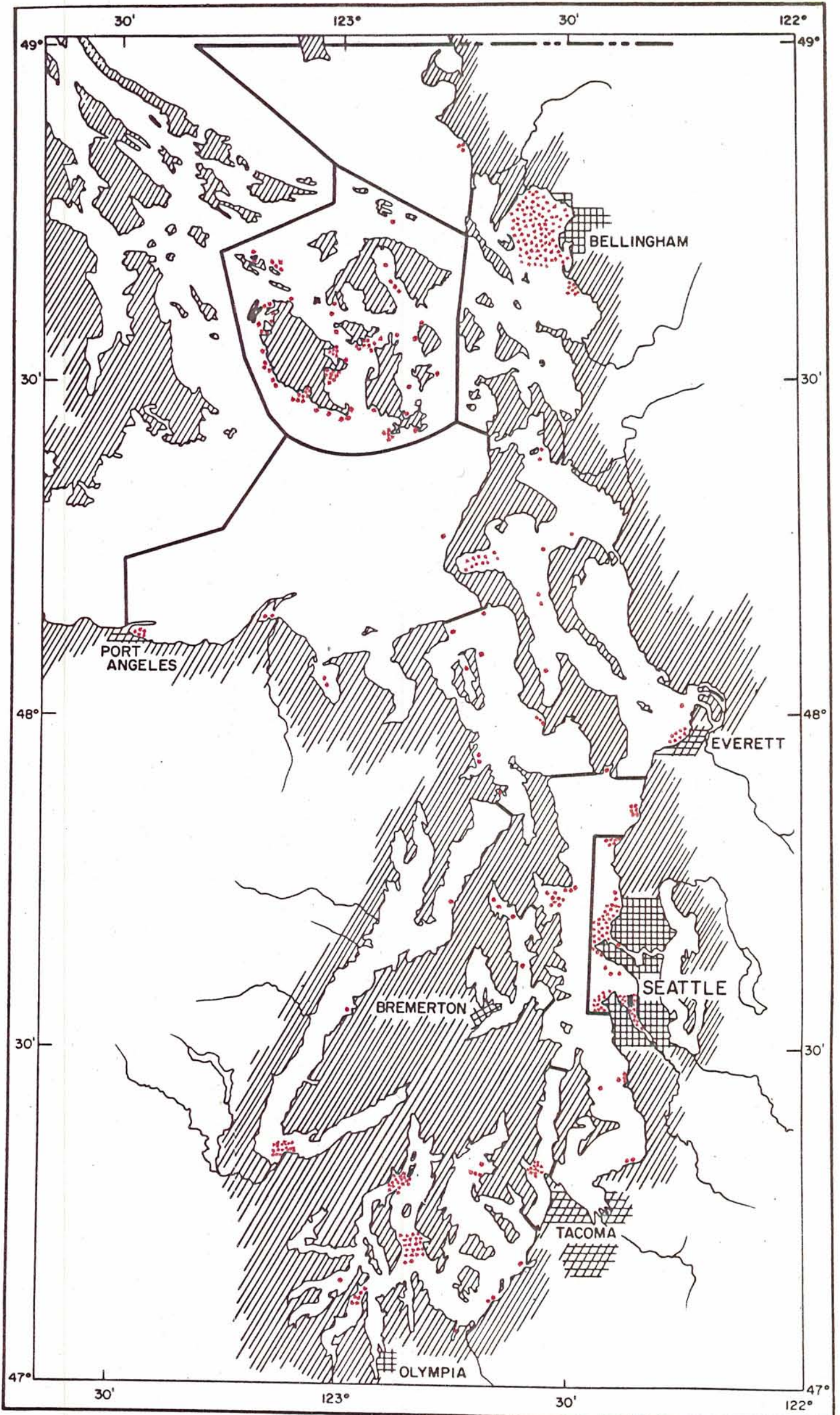
- 1-S (off Golden Gardens): 5131C.
 1-AI (off Port Townsend): 5009B.
 1-CS (off Port Madison): 5043C.
 1-SS (Minter Creek to Raft Island,
 Carr Inlet): 5135C.
 1-SS (Carr Inlet, off Glen Cove to
 Raft Island): 5613A.
 1-SJ (Lopez Sound, west of Ram
 Island): 5033R.
 1-B (Hale Pass): 491I.
 6-B (training cruise area:
 southwest of Post Point): 6914G;
 7017G,G.1; 7110G; 7307G; 7313G.
 1-SJ (training cruise area: Lopez
 Sound, southwest of Center
 Island): 7017I.
 1-E (Penn Cove mouth, off Long Point
 to off Snatelum Point): 5213A.
 2-E (off Oak Harbor to Blower
 Bluff): 5220F,N.
 3-E (Holmes Harbor):
 5305I; 5325C; 5614D.
 1-E (Holmes Harbor, south of
 Classic): 5312E.
 1-E (Holmes Harbor, Dines Point to
 Classic): 5316A.
 2-E (Saratoga Pass., Onamac Point to
 Indian Beach): 5321K; 5405L.
 1-E (Holmes Harbor, Rocky Point to
 Dines Point): 5327C.
 1-E (Saratoga Pass., Snatelum Point
 to Onamac Point): 5418H.
 1-E (Saratoga Pass., Cama Beach to
 Lowell Point): 5712D.
 5-E (training cruise area: off Penn
 Cove): 6819E; 6826E; 6908E;
 7118E; 7313E.
 2-E (Port Susan, off north of Kayak
 Point): 7204A,B.
 2-E (Port Susan, off Kayak Point):
 6702A,B.
 1-E (training cruise area: Saratoga
 Pass., north of Langley): 7017D.
 1-E (near Penn Cove): 6822E.
 1-E (training cruise area: east of
 Gedney Island): 6908C.
 1-HC (just south of floating
 bridge): 7112D.

Dasycottus setiger

Cottidae

Miscellaneous Logs

- 1-SJ (East Sound): A.C. DeLacy,
personal communication, 6/20/69.
- 1-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
- 3-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
- 4-SS (Case Inlet, off Taylor Bay to
off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
- 1-SS (Carr Inlet, off Horsehead
Bay): U.W. Ocean., Hoh, 1963-67.
- 3-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
- 27-E (Port Susan):
U.W. Ocean., Hoh, 1963-67.
- 3-E (Saratoga Pass., Demock Point):
U.W. Ocean., Hoh, 1963-67.
- 1-E (Port Gardner Bay):
U.W. Ocean., Hoh, 1963-67.
- 1-E (off Demock Point to Utsalady
Point):
U.W. Ocean., Hoh, 1963-67.
- 1-E (Holmes Harbor):
U.W. Ocean., Hoh, 1963-67.
- 1-B (Bellingham Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 2-SJ (West Sound):
U.W. Ocean., Hoh, S.J., 1966.
- 2-SJ (East Sound):
U.W. Ocean., Hoh, S.J., 1966.
- 2-E (Penn Cove; Port Susan):
U.W. Ocean., Hoh, S.J., 1966.
- 12-SJ (East Sound, south of Rosario
Point): NIH, 1964-66.
- 1-SJ (East Sound): NIH, 1968-71.
- 3-B (off Nooksack River to Marine
Drive): NIH, 1968-71.
- 1-JF (west of Protection Island):
NMFS, Cobb, 2/28/73.
- 1-GS (south of Cherry Point):
Sea Grant, 72019.
- 1-B (Bellingham Bay, mid-channel off
Point Frances):
Sea Grant, 72035.
- 1-S (off northwest side of West
Point): Sea Grant, 1973.
- 1-PO (off south of Fletcher Bay):
Sea Grant, 73008.
- 1-HC (mid-channel off Union):
Sea Grant, 1973.
- 1-HC (mid-channel, off Skokomish
River delta): Sea Grant, 1973.
- 1-SJ (East Sound): Bruce Miller,
Diving Log, 8/29/65.
- 1-SS (Carr Inlet, off north of Home
to between Glen Cove and Minter
Creek): WSDF, Commercial Catch
Comp., 2/13/74.



Enophrys bison

Cottidae

Published Records

- 1-SS (Fort Steilacoom):
Girard, 1859.
- 1-PS: Suckley, 1860.
- 1-JF (beach seine: Port Angeles):
Gilbert, 1895.
- 1-PS: Jordan and Starks, 1896.
- 1-AI (Port Ludlow): Starks, 1896b.
- 1-S (Seattle):
Jordan and Gilbert, 1882.
- 5-AI (Port Townsend; Marrowstone
Island; Admiralty Head; Kilisut
Harbor; Port Ludlow):
Evermann and Goldsborough, 1907.
- 1-SJ (Sucia Island):
Evermann and Goldsborough, 1907.
- 1-SJ: Starks, 1911.
- 1-SJ: Shelford et al., 1935.
- 1-HC (Holly):
Schultz and DeLacy, 1935-36.
- 1-E (Lone Tree Point): Horn, 1932.
- 1-JF (Sequim Bay): Smith, 1936.
- 10-S (Duwamish River estuary):
Salo, 1969.
- 1-S (Seattle): Jamison, 1966.
- 1-JF (near Whidbey Island):
Acena y Puntanella, 1942.
- 1-CS (east of Vashon Island):
Acena y Puntanella, 1942.
- 1-SJ (Flat Point): Kohlruss, 1933.
- 81-B (beach seine: Bellingham Bay,
north of Eliza Island):
Tyler, 1964.
- 8-B (towntet: Bellingham Bay, north
of Eliza Island): Tyler, 1964.
- 3-CS (beach seine: south side of
Point Jefferson): Kendall, 1966.
- 3-CS (Seahurst County Park):
Miller, 1971a (also boat 7113 and
NIH 71101).
- University of Washington
Museum Collection
- 1-S (below Government Locks): 92.
- 1-S (Pipers Canyon): 148.
- 1-SJ (Davis Bay): 608.
- 12-S (Alki Point): 663; 758; 794;
827; 873; 3782; 4482; 4835; 4850;
4887; 4900; 6198.
- 1-SJ (Upright Head and Shoal Bay):
671.
- 1-SJ (Flat Point): 717.
- 1-SJ (East Sound): 747.
- 3-S (Golden Gardens):
772; 11610; 16321.
- 1-S (Seattle): 844.
- 1-SJ (Cattle Point): 1009.
- 1-SJ (Friday Harbor): 1037.
- 1-SJ (2 miles south of Lime Kiln):
1056.
- 2-SJ (Kanaka Bay): 1075; 1142.
- 1-AI (Bywater Bay): 4456.
- 1-PS: 6151.
- 1-S (Carkeek Park Beach): 5972.
- 2-PO (Agate Pass., buoy N4-N6):
6026 and 8133 (also boat 5106E);
5965 (also boat 3/25/49-1).
- 1-CS (Indianola): 6179.
- 1-CS (beach seine: Cultus Bay):
10213.
- 1-E (Skagit Flats, near Hope
Island): 16864.
- 1-B (Chuckanut Bay): 18281.
- 1-SJ (Deer Harbor): 1218.
- 2-SJ (False Bay): 1263; 8146.
- 1-SJ (San Juan Island): 1327.
- 1-SJ (False Bay reef): 1482.
- 2-SJ (Squaw Bay): 2079; 2172.
- 1-SJ (west shore of Blakeley
Island): 2116.
- 1-SJ (Peavine Pass.): 1103.
- 1-SJ (Brown Island): 2129.
- 1-B (south end of Chuckanut Island):
3834.
- 1-S (Ballard): 4257.
- 4-S (Edmonds):
4264; 4501; 4929; 5494.
- 1-S (Edmonds Beach): 4471.
- 2-S (North Beach): 4686; 4810.
- 1-CS (beach seine: Redondo Beach):
4729.
- 1-S (south of Ballard Locks): 4816.
- 1-E (Snohomish River mouth): 5095.
- 1-S (Redondo Beach): 5124.
- 2-S (Carkeek Park): 5530; 5568.
- 1-SJ (reef north of Lime Kiln
light): 10761.
- 1-S (off Carkeek Park): 14325.
- 2-S (beach seine: Golden Gardens):
11191 (also boat 492E); 15738.
- 2-SJ (north side Johns Island,
second bay): 14301; 14310 (also
Friday Harbor Log, 8/19/52-1,2).
- 1-SJ (Upright Channel): 17206 (also
Friday Harbor Log, 7/5/63).
- 1-SJ (point east of Eagle Cove):
17416.
- 1-SJ (Limestone Point): 17441 (also
Friday Harbor Log, 6/23/63).
- 1-SJ (Deadman Bay): 17942.
- 1-SJ: 17960.
- 1-SJ (Iceberg Point): 18009 (also
Friday Harbor Log, 7/18/63-2).
- Friday Harbor Laboratory Log
- 1-SJ (Reef Bay, northeast side Johns
Island): 7/5/51-1.
- 1-SJ (Garrison Bay): 7/19/51-3.
- 3-SJ (Squaw Bay):
8/1/55; 8/1/60-1; 7/10/61-1.
- 1-SJ (Upright Channel, Ogden Park):
8/1/55.
- 2-SJ (Iceberg Point tidepool):
8/4/55-2 (also boat 5520D);
8/22/60-1.
- 1-SJ (south of Satellite Island):
8/15/55-1.
- 1-SJ (Mud Bay): 8/15/55-3.

Enophrys bison

Cottidae

Friday Harbor Laboratory Log

- 3-SJ (Friday Harbor Lab):
8/18/55; 7/19/60; 8/4/60-1.
1-SJ (Johns Island): 7/10/50-2.
1-SJ (Satellite Island): 7/10/50-6.
1-SJ (Eagle Point): 7/13/50-3.
1-SJ (west of Goose Island):
7/13/50-4.
1-SJ (James Island): 7/24/50-5.
2-SJ (San Juan Island, opposite
Henry Island): 7/31/50-1,3.
1-SJ (south of Neck Point):
8/14/50-1.
8-SJ (Argyle Bay):
7/5/60; 8/11/60-3,4; 6/22/61;
7/12/61-1,4; 7/18/61-2; 7/15/63.
3-SJ (False Bay):
8/5/60; 6/29/61; 6/21/63.
1-SJ (Friday Harbor): 8/6/60-1.
2-SJ (Mitchell Bay):
8/16/60-1; 7/17/61-2.
1-SJ (Westcott Bay): 8/16/60-3.
2-SJ (North Bay): 8/18/60-1,2.
1-SJ (Kanaka Bay): 8/21/60.
1-SJ (McArdle Bay): 8/22/60-3.
1-SJ (Smallpox Bay): 7/13/61.
1-SJ (Mosquito Pass.): 7/17/61-1.
1-SJ (Turn Island): 7/30/61.
1-SJ (San Juan Island): 5/62.
1-SJ (Deadman Bay): 6/22/63.
2-SJ (Iceberg Point):
7/19/63-2; 7/7/67.
1-SJ (mid East Sound): 4/3/64.
1-SJ (Cattle Point): 6/23/67-1.
1-SJ (Squaw Bay or West Sound):
6/30/67.
1-SJ (Lopez Sound): 7/21/71-2.

University of Washington Boat Log

- 3-S (off Golden Gardens to Meadow
Point): 5009K; 5014C; 5329D.
23-S (beach seine: Golden Gardens to
Meadow Point): 5015A; 5114D;
5116A,F,G1; 5208B; 5209B,C;
5214C; 5215U; 5308A; 5328A;
5508C; 5913B; 6014A; 6019A,B,C;
6210C; 6211; 2-6309; 6311B.
9-S (beach seine: Carkeek Park):
5219A,B; 5221C; 5225A; 5231A;
5311A; 5313A,B,C.
1-S (beach seine: north side of West
Point): 7311C.
1-S (west of Duwamish Head): 6615A.
1-B (training cruise area, southwest
of Post Point): 6620G.
1-E (beach seine: Good Beach, Penn
Cove): 5316H.
1-E (Holmes Harbor): 5405B.
1-E (Saratoga Pass., Onamac Point to
Indian Beach): 5405L.
1-PO (off Keyport): 5310.4E.
1-PO (off Seabold): 5310.5B.
5-PO (Agate Pass., buoy N4-N6):
5310.5F; 2/22/49-3,4; 5048A;
5131A.

- 1-PO (Agate Pass., south part):
4910B.
2-PO (Liberty Bay): 2/5/49-4,5.
1-SS (east of Cutts Island): 5037D.
1-SS (beach seine: west side of
Cutts Island): 5037E.
1-SS (off Cutts Island): 5104J.
1-SS (off Raft Island): 5104M.
1-SS (Totten Inlet): 5115D.
1-SS (trap area: Eld Inlet):
6219.1.

Miscellaneous Logs

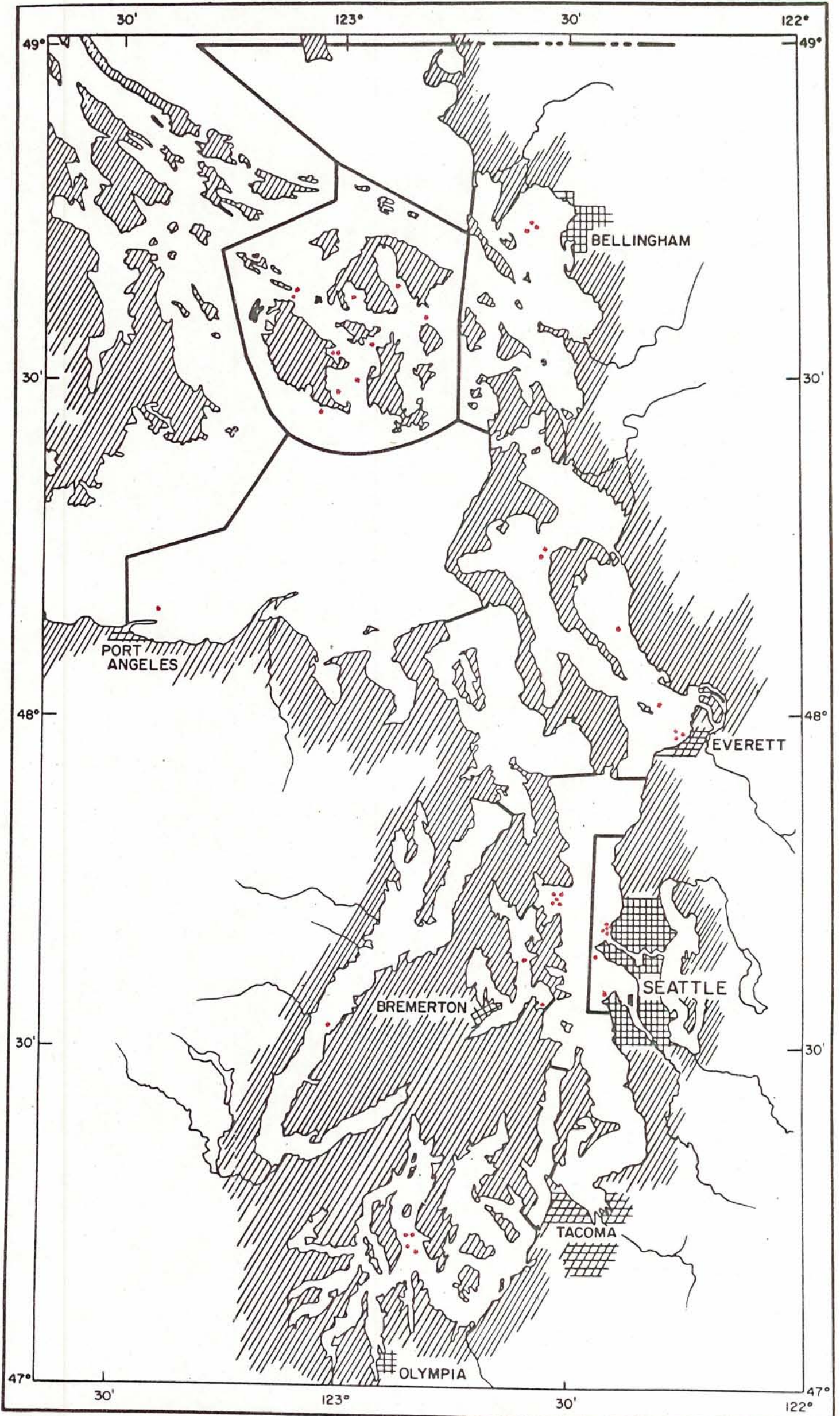
- 1-B (Bellingham Bay):
FRI, Tyler, data sheets, 1965.
1-S (beach seine: Duwamish River
estuary): Metro, 1963-70.
12-S (Duwamish River estuary):
Metro, 1966-70.
1-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
9-S (Duwamish River estuary):
U.W. Ocean., 1964-67.
7-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
1-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
47-S (Golden Gardens to Meadow
Point):
U.W. Ocean., Hoh, 1963-68.
21-SS (Case Inlet, off Taylor Bay to
off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
4-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
7-E (Penn Cove):
U.W. Ocean., Hoh, 1963-67.
1-E (Saratoga Pass., Demock Point):
U.W. Ocean., Hoh, 1963-67.
3-E (Penn Cove; Utsalady; Port
Gardner Bay):
U.W. Ocean., Hoh, S.J., 1966.
2-SJ (East Sound, south of Rosario
Point): NIH, 1964-66.
1-B (Bellingham Bay, Nooksack River
delta to Marine Drive):
NIH, 1968-71.
6-S (Golden Gardens to Carkeek
Park): NIH, 1968-71.
1-CS (Port Madison):
Van Cleve, trap, 1961-65.
5-SS (Eld Inlet entrance):
Van Cleve, trap, 1961-65.
2-JF (beach seine: Dungeness embay-
ment): Peninsula College, 1971.
4-JF (beach seine: Port Angeles
embayment):
Peninsula College, 1971.
1-JF (Sequim Bay):
Battelle, 1967-69.
1-S (Golden Gardens):
S.L. Ralston, Diving Log, 1971.
10-CP (beach seine: Gig Harbor
Spit): Sea Grant, 72003 (also
boat 7208).

Enophrys bison

Cottidae

Miscellaneous Logs

- 3-CP (off Gig Harbor Spit): Sea Grant, 72003 (also boat 7208).
- 2-GS (beach seine: south of Cherry Point): Sea Grant, 72008.
- 3-AI (beach seine: Mutiny Bay launch ramp): Sea Grant, 1972.
- 1-CS (beach seine: Seahurst County Park): Sea Grant, 72016.
- 1-GS (south of Cherry Point): Sea Grant, 72019.
- 1-CP (off Gig Harbor Spit): Sea Grant, 72025.
- 12-S (beach seine: Golden Gardens): Sea Grant, 1972.
- 2-B (beach seine: Wildcat Cove): Sea Grant, 72029.
- 8-S (beach seine: north side of West Point): Sea Grant, 1973.
- 2-S (beach seine: south side of West Point): Sea Grant, 1973.
- 6-CS (beach seine: north of Meadowdale at Lunds Gulch): Sea Grant, 73002.
- 3-S (off northwest side of West Point): Sea Grant, 1973.
- 1-S (southwest of Alki Point): Sea Grant, 1973.
- 2-S (Duwamish River estuary, downstream from 1st Ave. South bridge): Sea Grant, 1973.
- 1-SS (McAllister Creek estuary): Sea Grant, 1973.
- 1-B (off Nooksack River delta): Sea Grant, 73032.
- 7-B (beach seine: Wildcat Cove): Sea Grant, 1973.
- 8-SS (McLane Cove toward Stretch Island): Sea Grant, 1973-74.
- 8-SS (west side of Dougall Point): Sea Grant, 1973-74.
- 2-SS (mid-channel, McLane Cove to Stretch Island): Sea Grant, 1973.
- 10-HC (off Union): Sea Grant, 1973-74.
- 7-HC (off Skokomish River delta): Sea Grant, 1973-74.
- 1-HC (Bangor Annex): Kramer, Chin, and Mayo, NCEL Survey, 1973.
- 1-E (Onamac Point): Doug Olander, Sport Catch Log, 1972-73.
- 2-SS (Tatsolo Point): Sea Grant, 73059.
- 1-S (Edmonds ferry dock): A.C. DeLacy, personal communication, 1958.
- 1-SJ (McDonald (McConnell?) Island): Bruce Miller, Diving Log, 8/15/65.



Gilbertidia sigalutes

Cottidae

Published Records

- 1-PO (Orchard Point):
Jordan and Starks, 1896.
- 1-SJ: Starks, 1911.
- 1-HC: Hubbs, 1928.
- 1-SJ: Shelford et al., 1935.
- 1-E (off Everett):
Schultz and DeLacy, 1935-36.
- 4-SS (Case Inlet, off Taylor Bay to
off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
- 4-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
- 2-E (Saratoga Pass., Demock Point;
Port Gardner Bay):
U.W. Ocean., Hoh, 1963-67.

University of Washington
Museum Collection

- 1-SJ (San Juan Island): 1180.
- 1-SJ: 1215.
- 2-SJ (San Juan Channel):
1235; 1324.
- 1-SJ (Peavine Pass): 1335.
- 1-SJ (Flat Point): 1760.
- 1-SJ (Griffin Bay): 1761.
- 1-PS (Hood Canal to Port Susan):
2328.
- 2-SJ (Friday Harbor): 4856; 4963.
- 1-SJ (West Sound): 11599.
- 1-S (off Golden Gardens):
5995 (also boat 494F).
- 1-PS: 11600.
- 1-S (beach seine: Golden Gardens):
16524.
- 1-CS (trap: Port Madison): 18295.
- 1-SJ (East Sound): 17123.
- 1-SJ (east of Spaiden Island):
11188 (also Friday Harbor Log,
7/10/52-1 and boat 5220J).
- 1-JF (off Port Angeles): 19162.
- 1-HC (Chinom Point): 19170.

Friday Harbor Laboratory Log

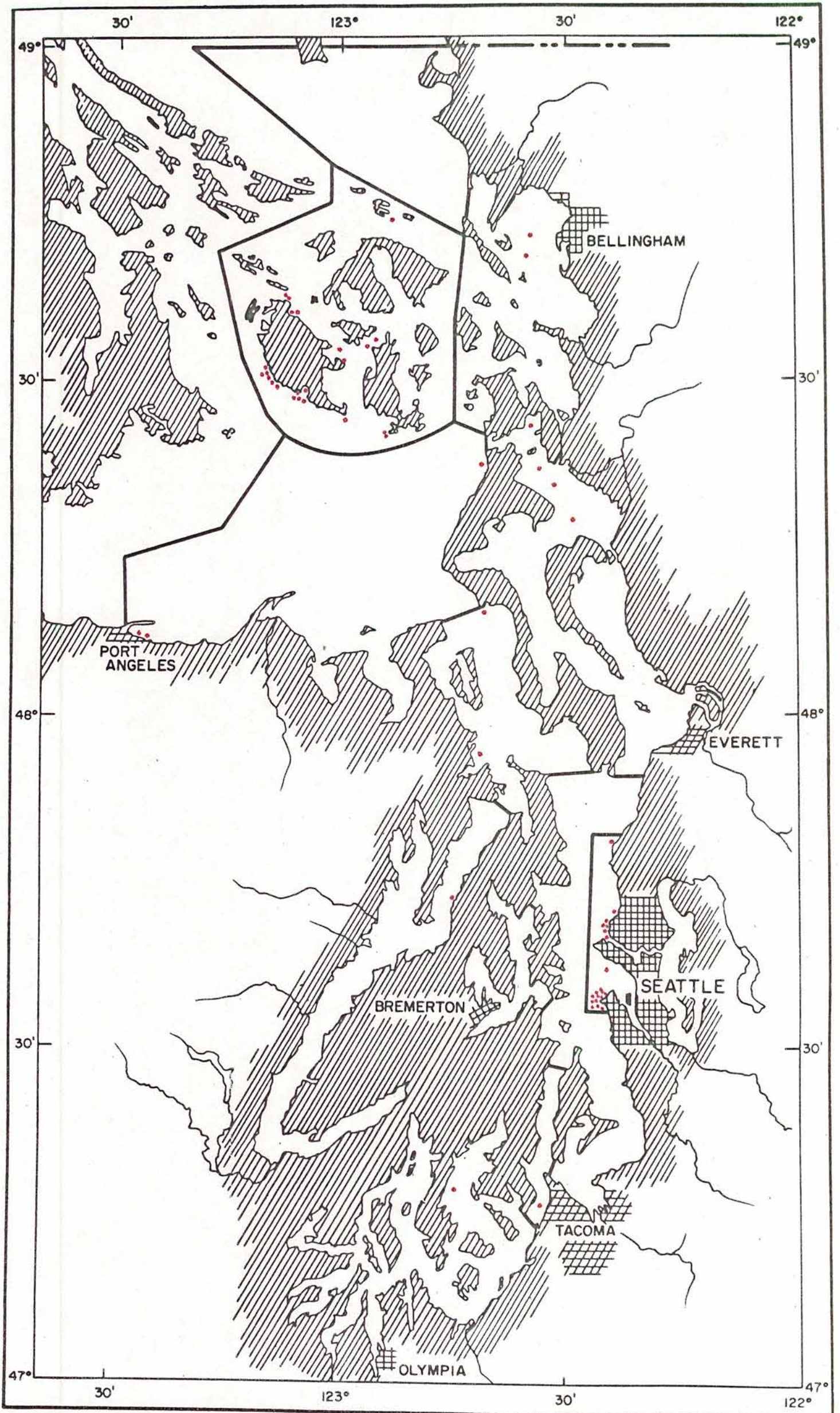
- 1-SJ (Limestone Point): 6/23/63.
- 1-SJ (Eagle Point): 7/5/67.

University of Washington Boat Log

- 1-S (off Golden Gardens): 5129A.
- 1-S (training cruise area: south of
West Point): 6614A.
- 1-E (training cruise area: east of
Gedney Island): 6614C.

Miscellaneous Logs

- 3-B (Bellingham Bay):
FRI, Tyler data sheets, 1965.
- 1-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
- 2-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
- 1-E (Port Susan):
U.W. Ocean., P.G., 1962-67.
- 2-S (Golden Gardens to Meadow
Point):
U.W. Ocean., Hoh, 1963-68.
- 1-PO (south and north of Fletcher
Bay): U.W. Ocean., Hoh, 1963-67.



Hemilepidotus hemilepidotus

Cottidae

Published Records

- 1-AI (Port Ludlow): Starks, 1896b.
 1-PS: Jordan and Starks, 1896.
 1-JF (Port Angeles): Meek, 1899.
 1-SJ (Sucia Island):
 Evermann and Goldsborough, 1907.
 1-SJ: Starks, 1911.
 1-SJ (San Juan Channel, off Friday
 Harbor):
 Wisner and Swanson, 1935.
 1-B (Bellingham Bay): Smith, 1936.
 1-SS (Carr Inlet): Smith, 1937.
 1-S (Seattle): Jamison, 1966.
 1-B (Bellingham Bay, north of Eliza
 Island): Tyler, 1964.

University of Washington
Museum Collection

- 10-S (Alki Point):
 664; 760; 797; 824; 927; 4242;
 4483; 4851; 4881; 6061.
 1-S (Golden Gardens): 778.
 1-S (Seattle): 847.
 1-SJ (Cattle Point): 1008.
 1-SJ (Lime Kiln): 1029.
 1-SJ (2 miles south of Lime Kiln):
 1055.
 3-SJ (Kanaka Bay):
 1074; 1139; 1247.
 1-SJ (False Bay reef): 1472.
 1-S (beach seine: Alki Point):
 4513.
 1-SJ (San Juan Island): 11741.
 1-S (Shilshole Bay): 15447.
 1-SJ (Upright Channel): 17218 (also
 Friday Harbor Log, 7/5/63).
 1-SJ (False Bay): 1267.
 1-S (beach seine: spit near Ballard
 Locks): 4585.

Friday Harbor Laboratory Log

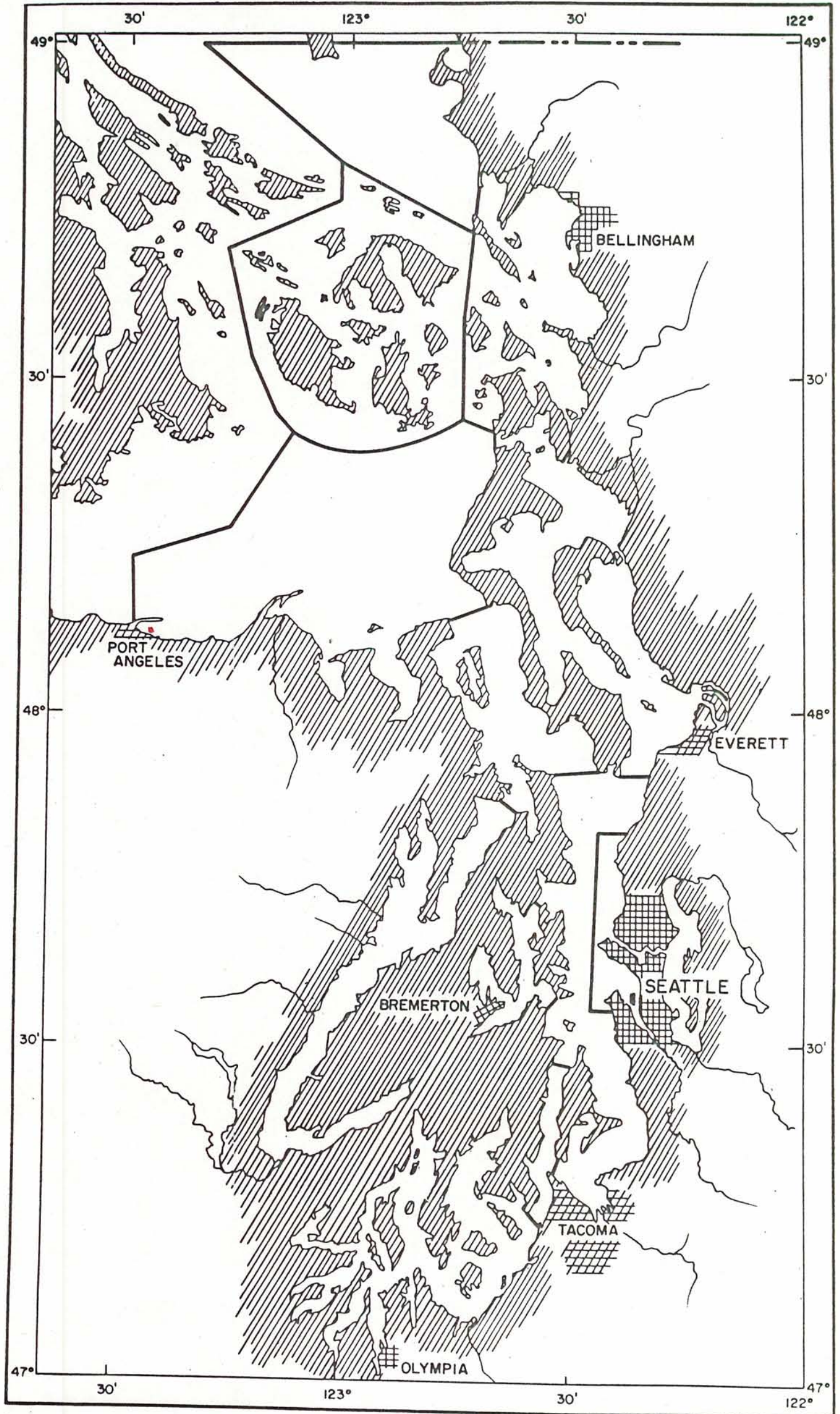
- 1-SJ (Upright Channel): 7/19/50-7.
 1-SJ (Iceberg Point): 6/28/61-2.
 1-SJ (Iceberg Point tidepool):
 8/4/55-2.
 1-SJ (Deadman Bay): 6/22/63.
 1-SJ (Limestone Point): 6/23/63.

University of Washington Boat Log

- 1-CP (north of Tacoma Narrows
 Bridge): 5115G.
 1-S (beach seine: Golden Gardens to
 Meadow Point): 5134A.

Miscellaneous Logs

- 1-JF (off West Beach):
 WSDF, Sport Fish., 1965-70.
 4-E (Skagit Bay and Similk Bay):
 WSDF, Sport Fish., 1965-70.
 2-SS: WSDF, Sport Fish., 1965-70.
 1-AI (Keystone ferry area):
 Al Milbun, Diving, 4/9/61.

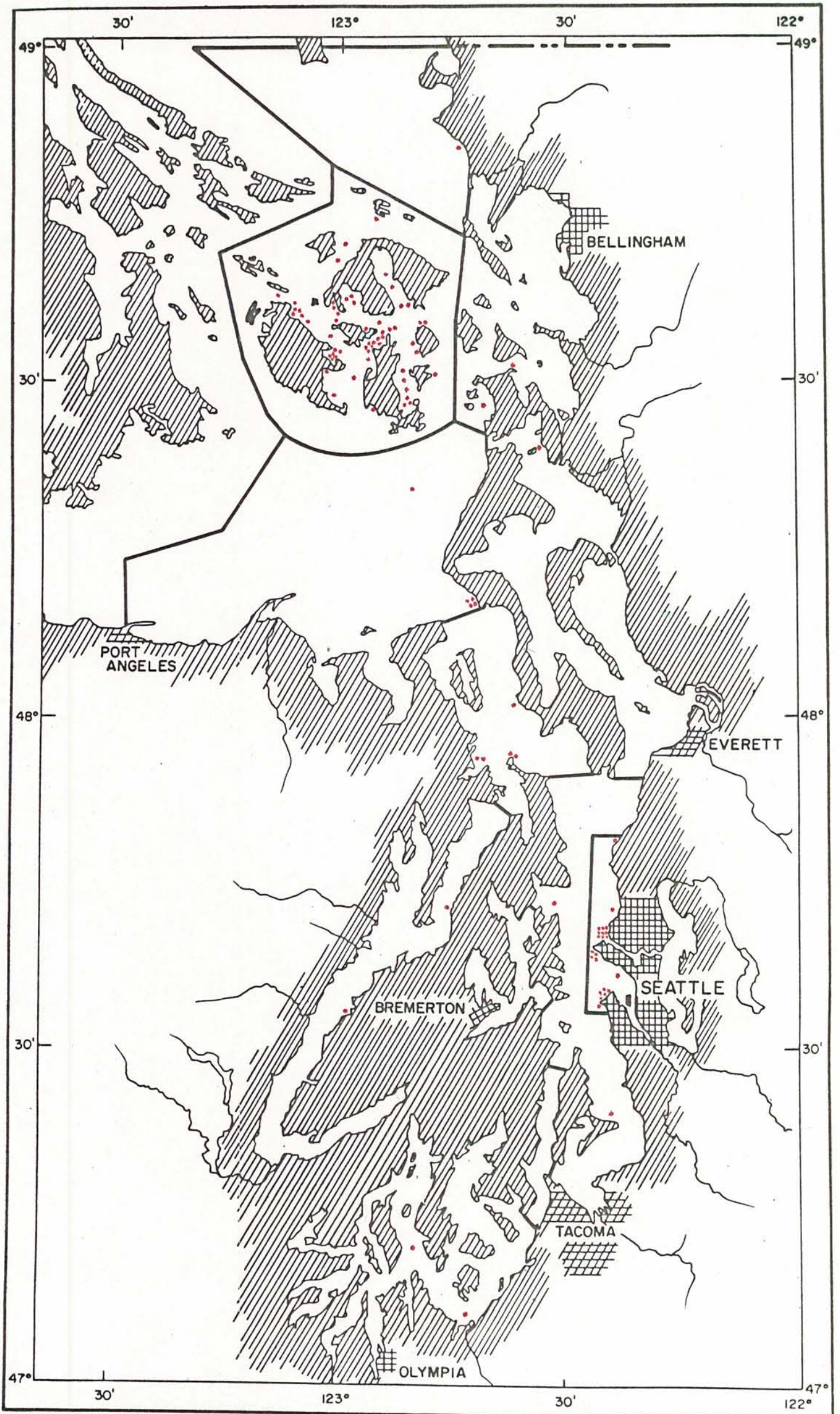


Hemilepidotus spinosus

Cottidae

Miscellaneous Logs

1-JF (beach seine: Port Angeles
embayment):
Peninsula College, 1971.



Icelinus borealis

Cottidae

Published Records

- 1-AI (Port Ludlow): Starks, 1896b.
 1-SJ (San Juan Channel, off Friday Harbor):
 Wismer and Swanson, 1935.
 1-SJ: Gilbert and Thompson, 1905.
 4-JF (off Admiralty Head light):
 Evermann and Goldsborough, 1907.
 2-AI (south of Bush Point; north of Tala Point):
 Evermann and Goldsborough, 1907.
 1-SJ: Starks, 1911.
 1-SJ: Miles, 1918.
 1-S (Seattle):
 Evermann and Goldsborough, 1907.
 1-E (Lone Tree Point): Horn, 1932.
 1-HC (Holly):
 Schultz and DeLacy, 1935-36.
 1-SJ: Shelford et al., 1935.

University of Washington
Museum Collection

- 1-SJ (Davis Bay): 636.
 6-SJ (Flat Point):
 705; 720; 1745; 2088; 2216; 2272.
 2-SJ (Deer Harbor): 812; 1217.
 4-SJ (Friday Harbor):
 997; 2110; 2201; 4958.
 2-SJ (Peavine Pass): 1092; 1331.
 1-B (near Anacortes): 1169.
 1-SJ (San Juan Island): 1181.
 2-SJ: 1196; 17953.
 2-SJ (San Juan Channel):
 1236; 1326.
 1-SJ (Olga): 1282.
 1-SJ (East Sound entrance): 1291.
 1-SJ (off northeast side of San Juan Island): 1297.
 1-PS: 1437.
 1-B (Burrows Bay): 4178.
 1-S (Edmonds Beach): 4556.
 1-S (off Golden Gardens): 6078.
 2-AI (off Foulweather Bluff):
 4822; 4846.
 1-S (south of Richmond Beach):
 5348.
 1-CS (north side of Maury Island):
 6131.
 1-JF (1 mile north of Smith Island):
 14244.
 1-SJ (near Orcas Island): 1318.
 2-SJ (Upright Channel): 1438; 4540.
 1-SJ (Wasp Pass.): 1747.
 1-SJ (Griffin Bay): 1748.
 1-SJ (Sucia Island): 1749.
 2-SJ (O'Neal Island): 1750; 11725.
 1-SJ (west shore Blakely Island):
 2114.
 1-SJ (Rocky Bay): 2143.
 2-SJ (West Sound): 2195; 2225.
 1-SJ (Rocky Point, San Juan Island):
 2208.
 1-SJ (Blind Bay): 2243.
 1-SJ (Harney Channel): 2253.

- 1-SJ (East Sound): 4331.
 1-SJ (Argyle Lagoon): 6223.
 1-SJ (Upright Head): 16389 (also
 Friday Harbor Log, 5/2/52).

Friday Harbor Laboratory Log

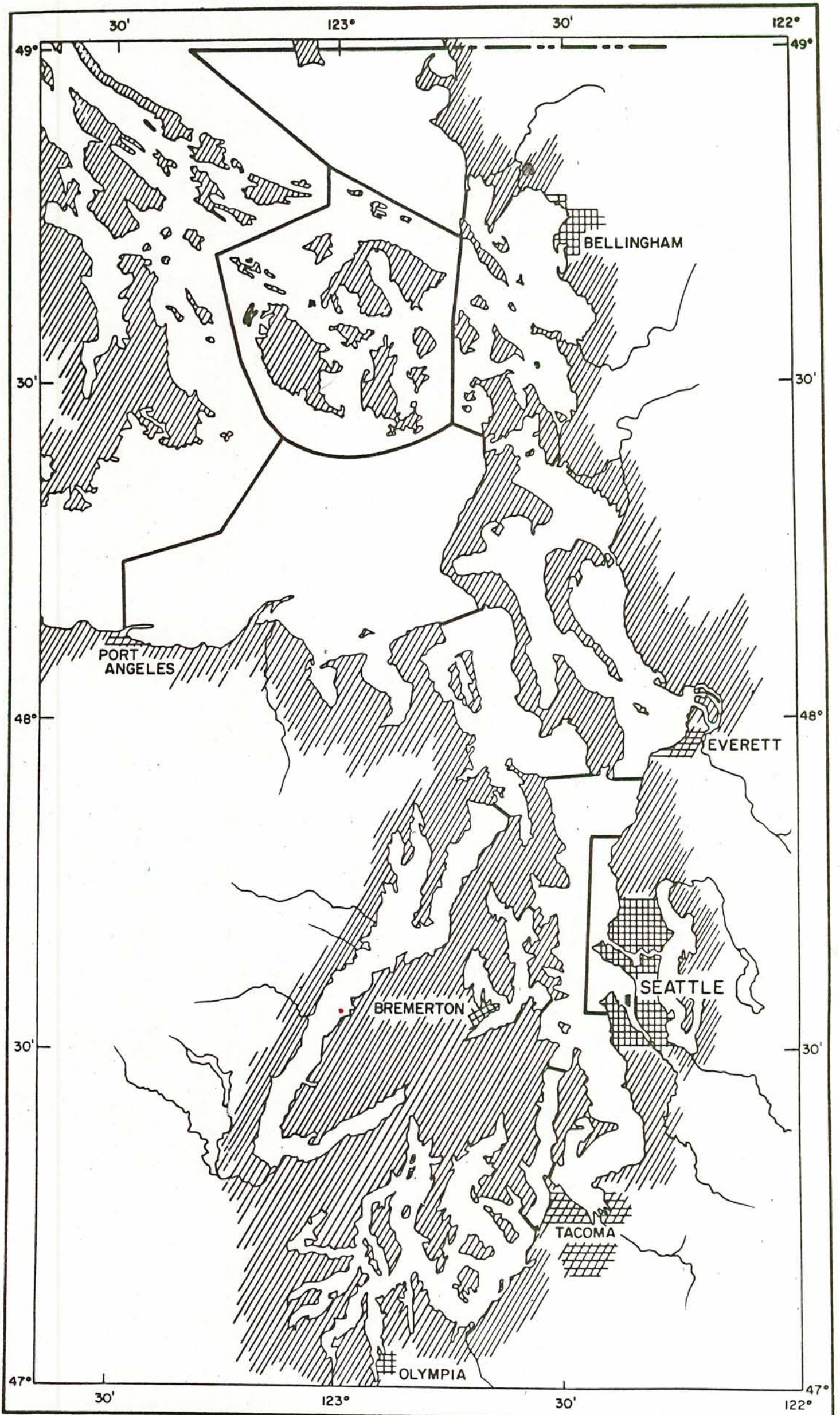
- 1-SJ (east of Willow Island):
 7/28/52-1.
 1-SJ (Upright Head): 8/3/60.
 1-SJ (off Fisherman Bay toward Flat Point): 8/4/52-5.
 4-SJ (Lopez Sound): 7/28/55-1;
 8/22/60-4; 7/28/61; 6/24/67.
 1-SJ (Upright Channel, Ogden Park):
 8/22/55-8.
 1-SJ (Mineral Point): 8/25/55-3.
 2-SJ (north of Hunter Cove):
 6/19/50-3,5 (also boat 5033E,G).
 1-SJ (Friday Harbor Lab): 7/50.
 1-SJ (Pole Pass.): 7/30/60.
 1-SJ (Presidents Channel): 8/20/60.
 1-SJ (Decatur Head): 7/7/61.
 1-SJ (East Sound): 7/18/61-1.
 1-SJ (San Juan Island): 5/62.
 1-SJ: 7/14/67.
 1-SJ (Upright Channel): 7/2/69-2.
 1-SJ (Spieden Channel): 7/15/69-2.

University of Washington Boat Log

- 1-S (off Carkeek Park): 5039E.
 1-S (beach seine: Golden Gardens):
 5328A.
 1-SJ (Lopez Sound, west of Ram Island): 5033R.
 1-SJ (east of Waldron Island):
 5220L.

Miscellaneous Logs

- 5-S (Duwamish Head to Alki Point):
 U.W. Ocean., 1964-67.
 7-S (Golden Gardens to Meadow Point):
 U.W. Ocean., Hoh, 1963-68.
 2-SS (Nisqually Flats; Case Inlet, off Taylor Bay to off Whiteman Cove):
 U.W. Ocean., Hoh, 1963-67.
 1-CS (Port Madison):
 U.W. Ocean., Hoh, 1963-68.
 1-SJ (West Sound):
 U.W. Ocean., Hoh, S.J., 1966.
 1-GS (south of Cherry Point):
 Sea Grant, 72019.
 4-S (off southwest side of West Point): Sea Grant, 1974.
 1-S (southwest of Alki Point):
 Sea Grant, 1973.
 1-HC (off Carlson Point to King Spit): Sea Grant, 73039.

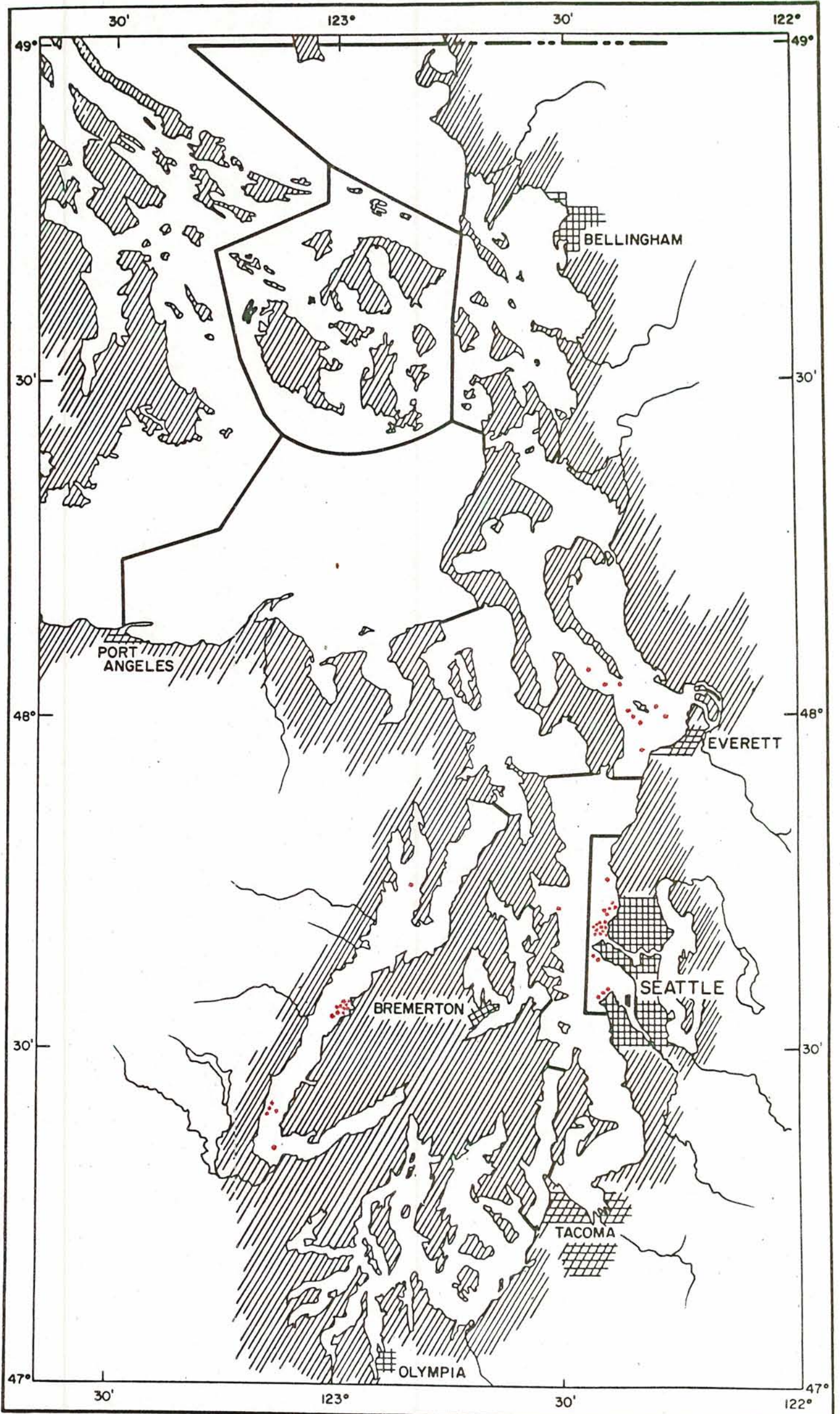


Icelinus burchami

Cottidae

Published Records

1-HC (Holly): Hubbs, 1928.



Icelinus filamentosus

Cottidae

Published Records

- 1-HC: Gilbert and Thompson, 1905.
 1-PS: Kincaid, 1919.
 HC (Holly): Schultz and DeLacy,
 1935-36 (probably duplicates
 museum log record).
 1-E (Langley): Smith, 1937.
 3-E (Gedney Island): Smith, 1937.
 3-HC (Hoodsport):
 Smith, 1937 (also museum 5115).
 2-HC (Holly): Smith, 1937.
 1-HC (Skokomish Flats):
 Smith, 1937.
 2-HC (Anderson Cove): Chew, 1970.

University of Washington
Museum Collection

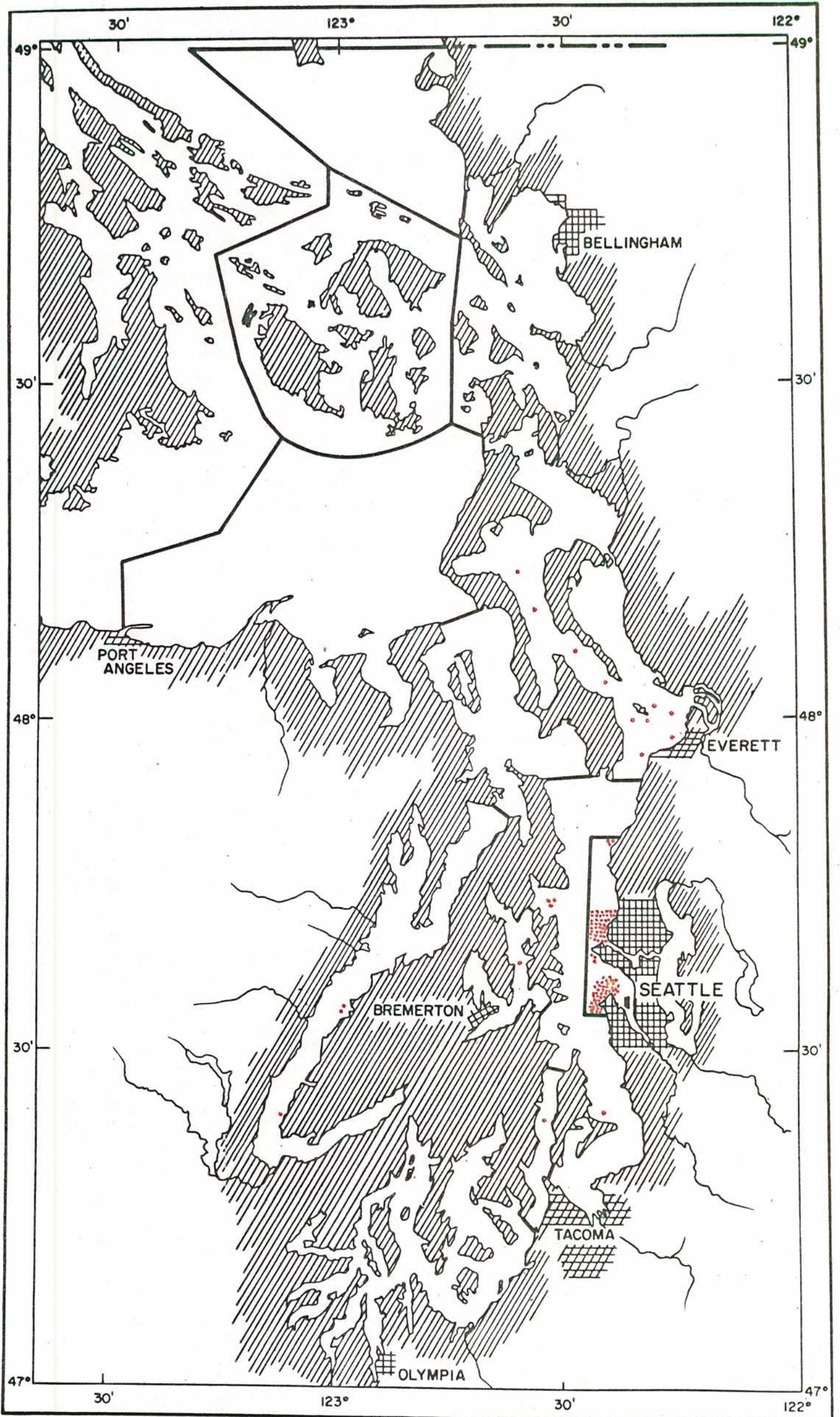
- 1-E (Camano Head, Saratoga Pass.):
 2547.
 1-E (east of Gedney Island): 2561.
 1-E (off Snohomish River): 2617.
 1-HC (Holly): 4249.
 1-E (Mukilteo): 4282.
 1-E (Saratoga Pass.): 4297.
 1-HC (Hoodsport): 4316.
 1-S (south of Richmond Beach):
 4863.
 1-HC (opposite Hoodsport):
 5781 (also boat 499F).
 1-S (off Golden Gardens):
 5854 (also boat 493B).
 1-S (off Meadow Point):
 5961 (also boat 496B).
 2-S (off Carkeek Park):
 5981 (also boat 5020A); 8028
 (also boat 5212C).

University of Washington Boat Log

- 8-S (off Golden Gardens to Meadow
 Point):
 4910A; 5009L; 5033A; 5034D;
 5039D; 5127A; 5129D; 6114A.
 1-S (Alki Point to Duwamish Head):
 5027A.
 2-S (south of West Point to off
 Four-Mile Rock): 5027D; 5602C.
 3-S (off Meadow Point to Carkeek
 Park): 5041B; 5203A; 5216B.
 1-CS (off Point Monroe): 5813C.
 1-HC (Dabob Bay): 6202A.
 4-HC (Anderson Cove): 7009A,B,C,D.

Miscellaneous Logs

- 2-S (Duwamish Head to Alki Point):
 U.W. Ocean., 1964-67.
 1-S (Golden Gardens to Meadow
 Point):
 U.W. Ocean., Hoh, 1963-68.



20 680

Icelinus tenuis

Cottidae

Published Records

1-HC (Holly): Hubbs, 1928.

University of Washington
Museum Collection

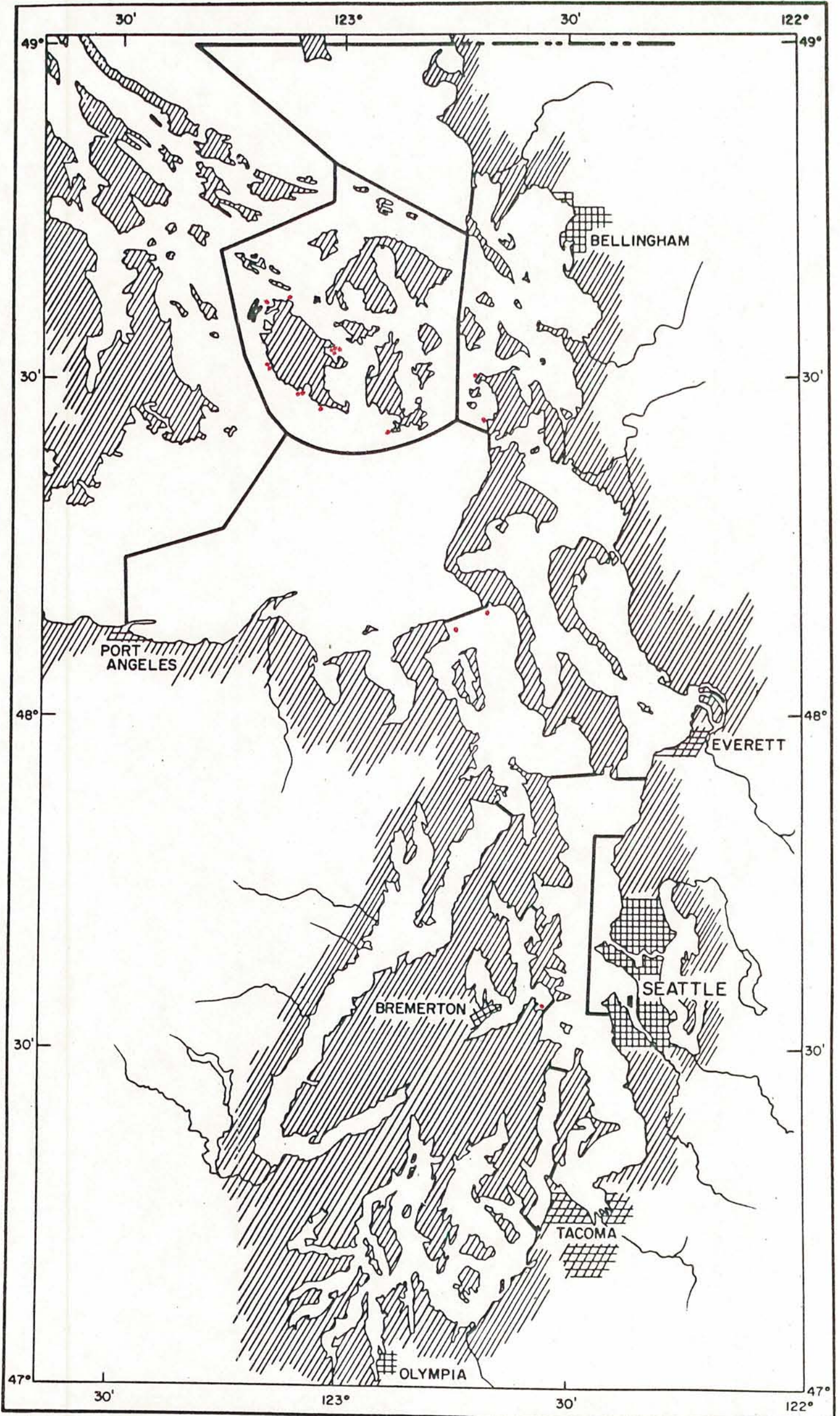
- 1-PS (Hood Canal to Port Susan):
2330.
1-E (east of Gedney Island): 2560.
1-E (off Snohomish River): 2617.
1-E (Clinton to Saratoga Pass.):
3165.
3-E (Saratoga Pass.):
4176; 4326; 14296.
1-E (Mukilteo): 5012.
3-S (Edmonds Beach):
5451; 5464; 5482.
1-S (Carkeek Park): 5569.
1-S (off Carkeek Park):
5980 (also boat 5020A).
1-E (near Gedney Island): 11176.
2-S (off Golden Gardens):
11871 (also boat 5707J); 6023
(also boat 5039D).

University of Washington Boat Log

- 1-HC (opposite Hoodspout): 499F.
6-S (off Golden Gardens to Meadow
Point): 5033A; 5034D; 5039D;
5119C,G; 5203D.
1-CS (Tramp Harbor): 5104A.
1-CP (off Paradise Cove to Point
Sandford): 5126N.
1-E (Saratoga Pass., south of
Snatelum Point): 5712C.
1-S (south of West Point to off
Four-Mile Rock): 5027D.
2-S (off Meadow Point to Carkeek
Park): 5211B; 5216A.
1-HC (Anderson Cove): 7009B.

Miscellaneous Logs

- 41-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
13-S (Meadow Point):
U.W. Ocean., 1964-67.
1-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
23-S (Golden Gardens to Meadow
Point):
U.W. Ocean., Hoh, 1963-68.
1-PO (south and north of Fletcher
Bay): U.W. Ocean., Hoh, 1963-67.
3-CS (Port Madiscn):
U.W. Ocean., Hoh, 1963-68.
1-S (Golden Gardens to Carkeek
Park): NIH, 1968-71.
2-S (off southwest side of West
Point): Sea Grant, 1973.
8-S (southwest of Alki Point):
Sea Grant, 1973.
2-S (deep otter trawl: off southwest
of Alki Point): Sea Grant, 1973.



Jordania zonope

Cottidae

Published Records

- SJ: Schultz, 1930 (duplicated by museum records).
 1-PO (Orchard Point): Jordan and Starks, 1896; Starks, 1896a.
 1-SJ: Starks, 1911.

University of Washington
Museum Collection

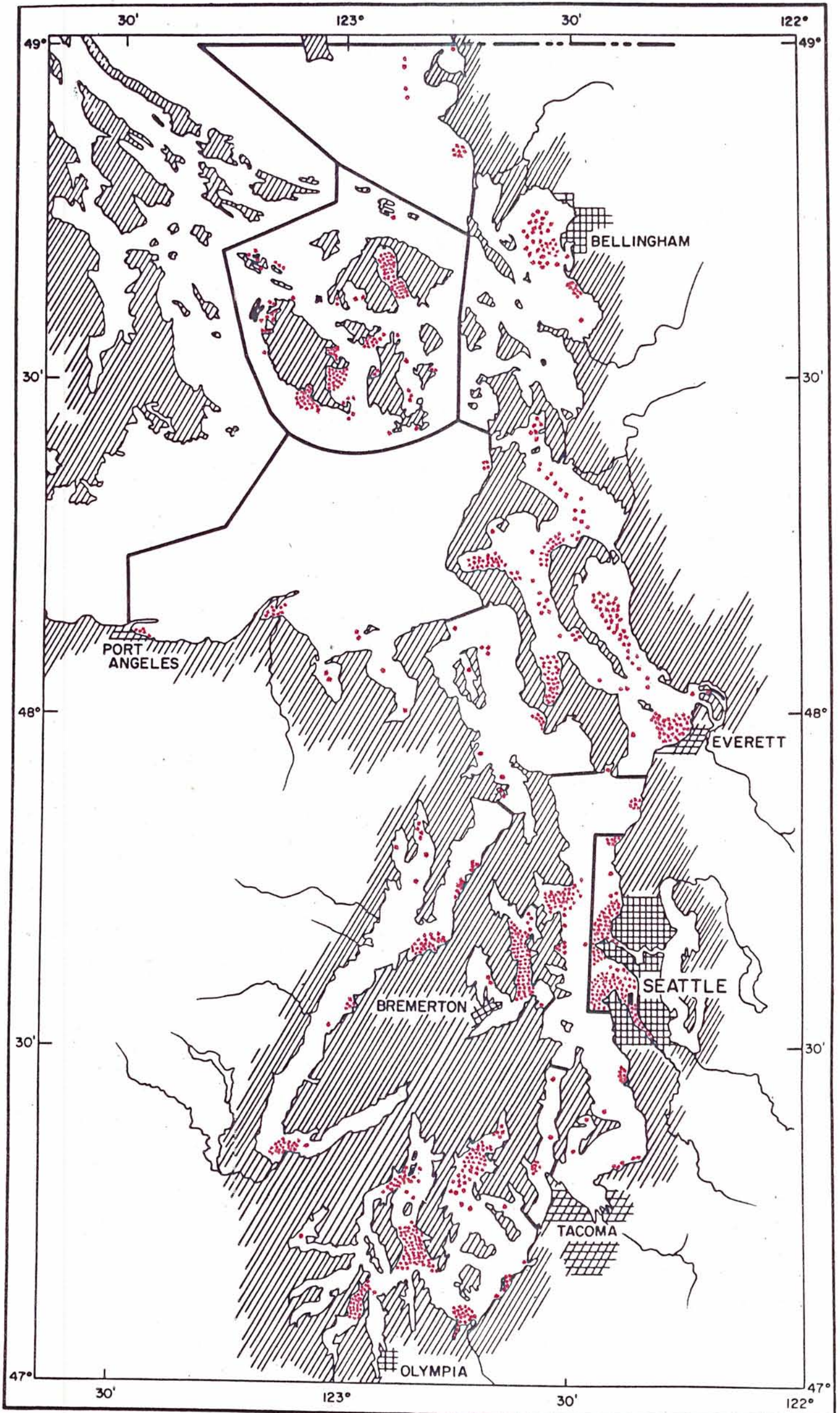
- 1-SJ (Friday Harbor): 268.
 1-SJ (Lime Kiln): 1035.
 2-SJ (Kanaka Bay): 1076; 1250.
 1-SJ (off Brown Island): 1214.
 1-SJ (Roche Harbor): 4949.
 1-SJ (Orcas Island): 16786.
 1-SJ (Limestone Point): 18012 (also Friday Harbor Log, 6/23/63).

Friday Harbor Laboratory Log

- 1-SJ (Friday Harbor): 8/17/60.
 2-SJ (Friday Harbor Lab night light): 6/15/53; 6/16/53.
 1-SJ (Deadman Bay): 6/22/63.
 1-SJ (Eagle Point): 7/5/67.
 1-SJ (Iceberg Point): 6/30/69-5.

Miscellaneous Logs

- 1-B (Langley Point): David Somerton, Diving Log, 1973-74.
 2-AI (Port Townsend; Keystone jetty): David Somerton, Diving Log, 1973-74.
 1-B (Anacortes Park): David Somerton, Diving Log, 1973-74.



Leptocottus armatus

Cottidae

Published Records

1-SS (Fort Steilacoom):
Girard, 1859; Suckley, 1860.
1-JF (beach seine: Port Angeles):
Gilbert, 1895.
1-AI (Port Ludlow): Starks, 1896b.
2-AI (Kilisut Harbor; Marrowstone
Point):
Evermann and Goldsborough, 1907.
1-SJ (Sucia Island):
Evermann and Goldsborough, 1907.
1-S (Seattle):
Evermann and Goldsborough, 1907.
1-SJ: Starks, 1911.
1-SJ: Hubbs, 1921.
1-AI (Port Townsend): Hubbs, 1921.
1-S (Seattle): Hubbs, 1921.
1-SJ (near Friday Harbor):
Powers, 1921.
1-HC (Holly):
Schultz and DeLacy, 1935-36.
SJ (Orcas Island):
Chapman and DeLacy, 1933
(duplicated by museum record).
8-B (Bellingham Bay): Smith, 1936.
6-E (Coupeville): Smith, 1936.
1-E (Oak Harbor): Smith, 1936.
1-JF (Sequim Bay): Smith, 1936.
1-JF (Discovery Bay):
Smith, 1936 (also museum 4991).
1-HC (Bangor): Smith, 1936.
1-SS (Hale Pass.): Smith, 1936.
1-SS (Dofflemeyer Point):
Smith, 1937.
3-E (Camano; Camano Head; Columbia
Beach): Smith, 1937.
4-E (Similk Bay):
Stober and Salo, 1970a.
4-E (Skagit Bay):
Stober and Salo, 1970a.
21-S (Duwamish River estuary):
Salo, 1969.
10-S (Duwamish Head): Salo, 1969.
18-E (Port Gardner): Salo, 1969.
11-E (Skagit Bay): Salo, 1969.
2-SJ (east side of North Bay;
southwest side of False Bay):
Weiss, 1969.
1-S (Seattle): Jamison, 1966.
1-SJ (Friday Harbor): Lloyd, 1936.
1-S (Seattle): Lloyd, 1936.
2-SJ (Deer Harbor; False Bay):
Kohlruss, 1933.
1+-B (Bellingham Bay, north of Eliza
Island): Tyler, 1964.
4-CS (beach seine: south side of
Point Jefferson): Kendall, 1966.
3-CS (Dumas Bay): Miller, 1971b.
2-CS (Seahurst County Park):
Miller, 1971a (also boat 7113;
NIH, 71101).
4-HC (Anderson Cove): Chew, 1970.
6-HC (fyke net: Big Beef Harbor):
Anderson and Chew, 1972.
1-E (beach seine: Kiket Island):
Stober and Salo, 1970a.

University of Washington
Museum Collection

1-SJ (Deer Harbor): 29.
6-S (ship canal, Government Locks
and below):
91; 94; 4398; 10189; 5015; 5020.
1-S (Pipers Canyon): 149.
1-S (West Seattle): 179.
4-S (Seattle):
412; 714; 840; 16375.
1-SJ (Argyle Bay): 555.
5-SJ (Squaw Bay):
563; 655; 688; 2174; 2299.
4-SJ (False Bay):
580; 578; 1089; 1128.
4-SJ (East Sound):
633; 699; 738; 17130.
12-S (Alki Point): 754; 783; 820;
867; 929; 1922; 6215; 4832; 4852;
4883; 14349; 16514.
1-SJ (Upright Head and Shoal Bay):
678.
1-E (Saratoga Pass., Sandy Point):
2659 1/2.
1-B (Bellingham Bay): 4345.
8-S (Golden Gardens):
780; 5867; 5650; 6141; 8861;
14287; 14444; 18000.
2-AI (Bywater Bay): 4429; 4451.
1-E (Steamboat Slough): 4962.
1-E (Saratoga Pass., Watsak Point):
5269.
2-CS (Redondo Beach): 5312; 4757.
1-CS (Port Madison): 5379.
1-SS (beach seine: mainland opposite
Stretch Island):
5668 (also boat 7/20/49-2).
1-CS (Norma Beach):
5868 (also boat 6/23/50).
1-PO (Agate Pass., buoy N4-N6):
6027 and 8193 (also boat 5106E).
1-CS (mouth of Port Madison): 6081.
1-SS (Stretch Island): 6094.
1-CS (north side of Maury Island):
6133.
1-SJ: 728.
1-SS (beach seine: 1 mile north of
Minter Creek):
10204 (also boat 5126E).
2-JF (Dungeness River mouth and
slough): 16696; 16698.
1-JF (tidepools near Dungeness
River mouth): 16700.
1-CS (beach seine: Cultus Bay):
10211 and 16378 (also boat 5217).
1-GS (Blaine, Semiahmoo Bay): 814.
1-SJ (Cattle Point): 1006.
2-SJ (Brown Island): 1116; 2132.
2-S (hand seine: Edmonds):
4384; 4409.
1-S (beach seine: Alki Point):
4489.
3-S (North Beach):
4493; 4817; 4837 and 4842.
4-S (Edmonds Beach):
4554; 5449; 5479; 5510.

Leptocottus armatus

Cottidae

University of Washington
Museum Collection

- 3-S (Edmonds): 4915; 4923; 4926.
 1-E (Snohomish River mouth): 5092.
 2-S (off Golden Gardens to Meadow Point):
 5837 (also boat 496C); 14331.
 10-S (beach seine: Golden Gardens):
 5769 (also boat 5001); 5946 (also boat 5032.1A); 5958 (also boat 5032.1C); 5916 (also boat 5032.1E); 5797 (also boat 5036A); 10197 (also boat 5215A); 14854 (also boat 5804B); 15732; 2-16382 (also boat 5209C,D).
 1-S (Richmond Beach): 5582.
 1-S (Carkeek Park Beach): 5976.
 1-SJ (Fisherman Bay): 8144.
 1-SJ (Prevost Harbor): 10452 (also Friday Harbor Log, 8/19/52).
 1-SJ (south of Frost Island):
 5988 (also Friday Harbor Log, 6/19/50-2 and boat 5033D).
 1-SJ (False Bay entrance):
 10461 (also Friday Harbor Log, 8/4/52-1).
 1-SJ (Orcas Island): 11185.
 1-SJ (Westcott Bay, near White Point): 1432C.
 1-S (off Carkeek Park): 14326.
 1-SJ (Friday Harbor): 14388.
 1-S (Ballard Beach): 14391.
 1-HC (beach seine: Quilcene Bay): 14736.
 3-S (Shilshole Bay):
 15424; 15448; 15453.
 1-SS (off north of Minter Creek):
 16383 (also boat 5102C).
 1-SJ (Upright Channel): 17214 (also Friday Harbor Log, 7/5/63).
 1-SJ (Limestone Point): 17426.
 1-B (Chuckanut Bay): 18122.
 1-SJ (mid East Sound): 18714 (also Friday Harbor Log, 6/5/64).
 1-SJ (north side Johns Island, second bay): 16380 (also Friday Harbor Log, 8/19/52-1).
- 1-SJ (north side of Johns Island, second bay): 8/19/52-2.
 1-SJ (Roche Harbor): 8/19/52.
 3-SJ (Squaw Bay):
 8/1/55; 8/1/60-1; 7/10/61-1.
 1-SJ (Upright Channel, Ogden Park): 8/1/55.
 1-SJ (Brown Island): 8/2/55.
 1-SJ (south of Satellite Island): 8/15/55-1.
 1-SJ (outside False Bay): 8/17/55-2.
 1-SJ (Johns Island): 7/10/50-2.
 1-SJ (Satellite Island): 7/10/50-5.
 1-SJ (Mosquito Pass.): 7/17/61-1.
 1-SJ (Eagle Point): 7/13/50-3.
 2-SJ (west of Decatur Head): 7/24/50-1,2.
 1-SJ (San Juan Island, opposite Henry Island): 7/31/50-1.
 3-SJ (Mitchell Bay):
 6/24/60; 8/16/60-1; 7/17/61-2.
 2-SJ (Westcott Bay): 8/16/60-2,3.
 1-SJ (Iceberg Point): 6/30/69-3.
 8-SJ (Argyle Lagoon):
 7/2/60; 7/11/60-1; 7/15/60-3;
 7/31/60; 8/11/60-1; 7/12/61-2;
 7/10/69-2,3.
 1-SJ (West Sound, White Beach): 8/16/60-4.
 2-SJ (North Beach): 8/18/60-1,2.
 1-SJ (McArdle Bay): 8/22/60-3.
 1-SJ (Smallpox Bay): 7/13/61.
 1-SJ (Cattle Point): 8/6/61.
 1-SJ (San Juan Island): 5/62.
 1-SJ (West Sound): 6/27/63-B.
 2-SJ (mid East Sound):
 2/21/64; 4/3/64.
 1-SJ (False Bay): 6/21/67-1.
 1-SJ (Squaw Bay or West Sound): 6/30/67.
 1-SJ (Squaw-Ogden): 6/27/69.
 1-SJ (Reed Harbor): 7/15/69-3.
 1-SJ (Lopez Sound): 6/21/71-2.

Friday Harbor Laboratory Log

- 1-SJ (Jackle's Lagoon, Cattle Point): 6/29/51.
 1-SJ (Garrison Bay): 7/19/51-3.
 2-SJ (west of Fish Creek): 7/21/52p,1.
 20-SJ (Argyle Bay): 7/21/52;
 8/16/55-1,3,4; 8/3/61; 7/5/60;
 7/15/60-1,2; 6/22/61; 8/11/60-2,
 3,4; 6/23/61; 7/8/61; 7/12/61-1,
 3,4; 7/18/61-2; 7/15/63; 6/19/69.
 4-SJ (Friday Harbor Lab): 7/30/52;
 7/6/52; 8/18/55; 7/19/60.
 21-SJ (False Bay):
 8/4/52-2; 7/17/50-1; 7/24/60;
 8/5/60; 6/29/61; 7/26/61; 8/8/61;
 6/21/63; 7/1/63-1,2,3,6,7,8,9,10,
 11,13,14,15; 6/23/73.

University of Washington Boat Log

- 1-SJ (beach seine: Fisherman Bay): 50330.
 2-SJ (training cruise area: Lopez Sound, southwest of Center Island): 7118I; 7017I.
 16-SJ (training cruise area: East Sound, north of Rosario Point): 6507H; 6517H; 6603H; 6614H; 6620H; 6630H; 6722H; 6815H; 6908H; 6914H; 7010H; 7110H; 7118H; 7307H; 7313H; 7017H.
 1-B (east of Point Frances): 491J.
 1-B (Bellingham Bay): 6822G.
 18-B (training cruise area: southwest of Post Point): 6507G9; 6517G; 6603G; 6614G; 6630G; 6722G; 6815G; 6819G; 6826G; 6908G; 6914G; 7010G; 7017G,G.1; 7110G; 7118G; 7307G; 7313G.

Leptocottus armatus

Cottidae

University of Washington Boat Log

- 1-E (Port Susan, off Warm Beach): 5023C. 5707A,B,G,H; 5709C; 5904B; 5915B; 6001AM,AN; 6016B1,B2,A4,B5; 6101A; 6201; 6205D1,D2,D3; 6320A; 6507K; 6707.
- 1-E (off Mission Beach): 5023F.
- 1-E: 5712B.
- 1-E (off Coupeville to off Lovejoy Point): 5213B.
- 16-E (Holmes Harbor, south of Classic): 5237B; 5305B,G; 5307G,H,N,T,U; 5312B,C,E,N; 5501A,B,C,E.
- 3-E (Holmes Harbor, Rocky Point to Dines Point): 5237E; 5307K; 5327C.
- 2-E (Holmes Harbor, Dines Point to Classic): 5305C; 5712F.
- 15-E (Holmes Harbor): 5305H,I,L,M; 5325A; 5327A,B; 5405A,B; 5420A; 5522D,E; 5604D; 5703E,G.
- 1-E (beach seine: Good Beach, Penn Cove): 5316H.
- 4-E (Saratoga Pass., Onamac Point to Indian Beach): 5330D; 5405L,M,N.
- 4-E (Elger Bay): 5330J; 5405Q; 7112K,L.
- 8-E (Penn Cove): 5405I,J,K; 5420F, G; 5522G; 5712A; 5810H.
- 1-E (Everett): 6620D.
- 1-E (Saratoga Pass., Snatelum Point to Onamac Point): 5712C.
- 1-E (Saratoga Pass., Cama Beach to Lowell Point): 5712D.
- 1-E (training cruise area: off Penn Cove): 6826E.
- 1-E (training cruise area: Saratoga Pass., north of Langley): 7017D.
- 5-E (north of Kayak Point to Tulalip in Port Susan): 7112F,G,H,I,J.
- 2-AI (training cruise area: east of north Marrowstone Island): 6630J; 6614J.
- 1-AI (off White Rock): 499K.
- 4-HC (Dabob Bay, Broad Spit to Long Spit): 6702D,E; 7003F; 7202G.
- 2-HC (Dabob Bay): 6202F; 7205I.
- 1-HC (off Lofall): 12/28/48-3.
- 1-HC (off Sister Point): 499G.
- 3-CS (Port Madiscn): 6/30/49; 5043A; 6204B.
- 1-CS (head of Quartermaster Harbor): 5042B.
- 1-CS (off Point Jefferson): 5112D.
- 1-CS (mouth of Quartermaster Harbor): 5115H.
- 1-CS (east of Point Monroe): 5813C.
- 1-CS (off West Point): 7017Y.
- 6-CS (Murden Cove): 6616; 6806B; 6906B,D,E; 7108.
- 1-PO (south part of Agate Pass.): 4910B.
- 3-PO (off south of Fletcher Bay): 5229C; 5801A; 6016B4.
- 29-PO (off Fletcher Bay to south of Battle Point and Brownsville): 5230F; 5232C; 5235P; 5236C; 5310.3B; 5402X; 5504; 5602B; 5707A,B,G,H; 5709C; 5904B; 5915B; 6001AM,AN; 6016B1,B2,A4,B5; 6101A; 6201; 6205D1,D2,D3; 6320A; 6507K; 6707.
- 1-PO (beach seine: south of Agate Pass. bridge, probably west side): 5315A.
- 5-PO (between "B-2" and "B-1"): 5526A; 6205C1,C2,C3; 5236F.
- 11-PO (most off Fletcher Bay): 6203B,C; 6204A; 7011A; 6214; 6713B,E; 6821.5F; 7020; 7105-2; 7313X.
- 5-PO (beach seine: 1 mile north of Illahee dock): 6205A1.1,A1.2,A2.2,A3.1,A3.2.
- 15-S (off Golden Gardens to Meadow Point): 498A; 5008B; 5112C; 5119C,H; 5203C,D; 5314C; 5329C,D; 5416A; 5512E; 5702AN; 5907D; 6506C.
- 2-PO (off Manzanita to Seabold): 6215A,B.
- 1-PO (off White Point to Brownsville): 6806A.
- 16-S (beach seine: Carkeek Park): 5219A,B; 5220A; 5221B,C; 5225A,B; 5311A,C; 5313A,B; 5708B,C,D; 5808A,B.
- 189-S (beach seine: Golden Gardens to Meadow Point): 492E; 5007D; 5015A,B,C; 5024C,D; 5040A; 5047A, B,C; 5105A,B; 5114A,B,C,D; 5116C1,C2,E; 5121B; 5127C; 5129B; 5134A; 5137A,B; 5208A,B,D; 5209C, D; 5214A1,A2,C,D,E,F1,F2; 5215U, B,D,F,G,H,I,J,K,L,M; 5308A,B,C; 5314D; 5320A; 5322A; 5329E; 5404A; 5406; 5407; 5412A; 5414D; 5415C,H,A,D,F,I,J,M,O,B,G,K,P; 5417A; 5419; 5424A,B; 5505D,E,F; 5508C,D; 5510E,F; 5513C; 5514C,D; 5609A; 5612A; 5706B; 5710A,B,C,D; 5804A; 5807A,B,C; 5909C; 5913A,B; 5914B; 5920I,J,L,M,N,O; 5925A,B; 6019A,B,C; 6113A; 6115A; 6116A,C; 6207A,B; 6210C; 6211; 16-6309; 12-6310; 6311B,C; 6319; 6410A,B, C; 6411A,B; 6-6417; 6508A,C,D; 6509A,B,C,D; 6511A,B,D,E,F; 6513A; 6518A,B; 6708A,C; 6709A,B; 6711A2; 6716A,C; 7209A,B,D.
- 3-S (off Meadow Point to Carkeek Park): 5233A; 5606A; 7120A.
- 3-S (beach seine: north side of West Point): 7310A2; 7311A,C.
- 1-S (Meadow Point-Richmond Beach): 6429A.
- 1-S (off south of Richmond Beach): 6608A.
- 2-S (off Alki Point to Duwamish Head): 6615A,B.
- 24-S (beach seine: Alki Point to Duwamish Head): 24-6619.
- 1-CP (off Camp Sealth): 5104CC.

Leptocottus armatus

Cottidae

University of Washington Boat Log

- 1-CP (Cove to Fragaria): 5135E.
 1-SS (north end of Pickering Pass. to off McLane Cove): 5009H.
 14-SS (Carr Inlet, off Glen Cove to off Raft and Cutts Islands): 5009J; 5037G; 5045A,B; 5101B; 5104L,M,N,O,Y,AA; 5126M; 5201A; 5227B.
 1-SS (beach seine: west side of Cutts Island): 5037E.
 14-SS (Carr Inlet, off Minter Creek to Elgin): 5045G,J; 5046C; 5101C; 5107A; 5135A,B,D; 5213F; 5227D,E,F,G,I.
 5-SS (Carr Inlet, off Wauna): 5101A; 5104F,W; 5227A,C.
 1-SS (Carr Inlet, off north of Home to off Horsehead Bay Spit): 5104R.
 1-SS (Oakland Bay, off Shelton): 5115B.
 8-SS (Carr Inlet): 5522A,B,C; 5605A,B; 5703B,C,D.
 6-SS (trap: Eld Inlet, 1 mile northeast of Flapjack Point): 6208A,B; 5217-2,3; 6219-1,2.
 1-SS (Case Inlet, east of Hartstene Island): 6724C.
 2-SS (Carr Inlet, mid-channel, Glen Cove to Green Point): 6724B-2,3.

Miscellaneous Logs

- 1-HC (near Chinom Point): R. Dryfoos, personal communication, 1963.
 2-B (Bellingham Bay): FRI, Tyler, Data Sheets, 1965.
 4-S (West Point to Magnolia): Metro, 1963-70.
 10+-S (beach seine: Duwamish River estuary): Metro, 1963-70.
 220-S (Duwamish River estuary): Metro, 1963-70.
 1-E (Skagit and Similk Bays): WSDF, Sport Fish., 1965-70.
 12+-E (Everett): WSDF, Sport Fish., 1965-70.
 1-S (Elliott Bay): WSDF, Sport Fish., 1965-70.
 4-SS: WSDF, Sport Fish., 1965-70.
 1-HC: WSDF, Sport Fish., 1965-70.
 38-S (Duwamish Head to Alki Point): U.W. Ocean., 1964-67.
 50+-E (Port Gardner Bay): U.W. Ocean., P.G., 1962-67.
 157-PO (south of Fletcher Bay): U.W. Ocean., P.O., 1964-65.
 50+-S (Golden Gardens to Meadow Point): U.W. Ocean., Hoh, 1963-68.
 48-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
 2-SS (Nisqually Flats): U.W. Ocean., Hoh, 1963-67.

- 48+-(Case Inlet, off Taylor Bay to off Whiteman Cove): U.W. Ocean., Hoh, 1963-67.
 6-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
 28-CS (Port Madison): U.W. Ocean., Hoh, 1963-68.
 23-E (Port Gardner Bay): U.W. Ocean., Hoh, 1963-67.
 29-E (Port Susan): U.W. Ocean., Hoh, 1963-67.
 11-E (Penn Cove): U.W. Ocean., Hoh, 1963-67.
 15-E (off Demock Point to off Utsalady Point): U.W. Ocean., Hoh, 1963-67.
 2-E (Saratoga Pass., Demock Point): U.W. Ocean., Hoh, 1963-67.
 7-E (Holmes Harbor): U.W. Ocean., Hoh, 1963-67.
 1-SS (mouth of Carr Inlet): U.W. Ocean., herring trawl, 1968-69.
 1-SJ (East Sound): U.W. Ocean., Hoh, S.J., 1966.
 8-E (Penn Cove): U.W. Ocean., Hoh, S.J., 1966.
 3-E (Utsalady): U.W. Ocean., Hoh, S.J., 1966.
 5-E (Port Susan): U.W. Ocean., Hoh, S.J., 1966.
 3-E (Port Gardner Bay): U.W. Ocean., Hoh, S.J., 1966.
 1-E (Holmes Harbor): WSDF, Commercial Catch Comp., 1966-71.
 1-SS (Carr Inlet): WSDF, Commercial Catch Comp., 1966-71.
 1-SS (Case Inlet): WSDF, Commercial Catch Comp., 1966-71.
 17-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
 1-SJ (East Sound): NIH, 1968-71.
 2-SJ (Argyle Spit; False Bay): NIH, 1968-71.
 6-B (Bellingham Bay, off Nooksack River to Marine Drive): NIH, 1968-71.
 30-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
 1-PO (Clam Bay): NIH, 1968-71.
 1-HC (Big Beef Harbor): NIH, 69042.
 4-SS (Case Inlet, Stretch Island to Herron Island): NIH, 1968-71.
 8-CS (Port Madison): Van Cleve, trap, 1961-65.
 2-PO (off Fletcher Bay): Van Cleve, trap, 1961-65.
 44-SS (Eld Inlet entrance): Van Cleve, trap, 1961-65.
 4-E (Holmes Harbor): Van Cleve, trap, 1961-65.
 4-E (Saratoga Pass., west side just south of Penn Cove): Van Cleve, trap, 1961-65.
 1-E (Penn Cove): Van Cleve, trap, 1961-65.

Leptocottus armatus

Cottidae

Miscellaneous Logs

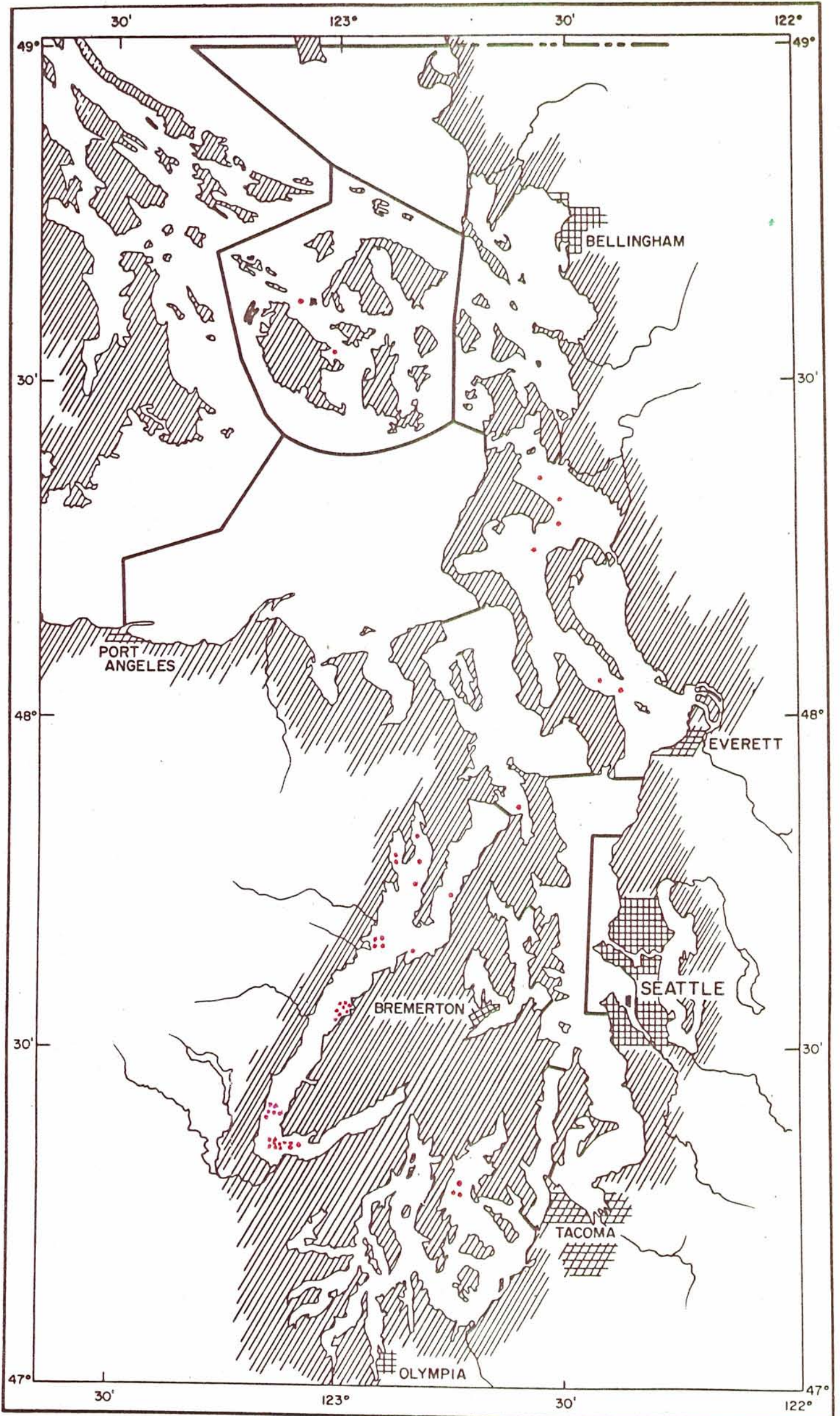
- 6-JF (beach seine: Dungeness embayment): Peninsula College, 1971.
- 4-JF (beach seine: Port Angeles embayment): Peninsula College, 1971.
- 1-JF (Sequim Bay): Battelle, 1967-69.
- 1-JF (lower Discovery Bay): Sea Grant, 71111.
- 2-GS (tow area 1: mouth of Boundary Bay): WSDF, Gulf Georgia, 1969-71.
- 2-GS (tow area 2: off Birch Bay): WSDF, Gulf Georgia, 1969-71.
- 1-SJ (Argyle Bay): Bruce Miller, Diving Log, 7/20/66.
- 1-S (Alki Beach): Bruce Miller, Diving Log, 6/16/67.
- 2-JF (west of Protection Island): NMFS, Cobb, 2/28/73.
- 1-S (Golden Gardens): S.L. Ralston, Diving Log, 1971.
- 6-CP (beach seine: Gig Harbor Spit): Sea Grant, 72003 (also boat 7208).
- 2-GS (beach seine: just south of Cherry Point): Sea Grant, 72008.
- 5-GS (south of Cherry Point): Sea Grant, 1972.
- 9-S (Duwamish River estuary, 16th Ave. S. bridge to 1st Ave. S. bridge): Sea Grant, 1972.
- 1-B (northern Bellingham Bay): Sea Grant, 72004.
- 9-AI (beach seine: Mutiny Bay launch ramp): Sea Grant, 1972.
- 1-CS (hand net: 1 mile south of Fay Bainbridge State Park): Sea Grant, 72012.
- 6-CS (beach seine: Seahurst County Park): Sea Grant, 72016.
- 5-JF (beach seine: West Beach): Sea Grant, 72017.
- 2-PO (beach seine: Dyes Inlet, Tracyton launch ramp): Sea Grant, 72018.
- 5-SS (off Nisqually Flats): Sea Grant, 1972.
- 8-SS (beach seine: Nisqually Head): Sea Grant, 1972.
- 13-S (beach seine: Golden Gardens): Sea Grant, 1972.
- 1-CP (off Gig Harbor Spit): Sea Grant, 72025.
- 4+-HC (off Big Beef Harbor): Sea Grant, 72026.
- 5+-HC (beach seine: below and above bridge at Big Beef Creek): Sea Grant, 72028.
- 2-B (beach seine: Wildcat Cove): Sea Grant, 72029.
- 3-B (Bellingham Bay, off Nooksack Flats): Sea Grant, 72035.
- 28-S (beach seine: north side of West Point): Sea Grant, 1973.
- 23-S (beach seine: south side of West Point): Sea Grant, 1973.
- 6-CS (beach seine: north of Meadowdale at Lunds Gulch): Sea Grant, 73002.
- 4-S (off northwest side of West Point): Sea Grant, 1973.
- 1-S (off southwest side of West Point): Sea Grant, 1973.
- 5-S (north of Meadow Point to Carkeek Park): Sea Grant, 1973.
- 2-S (southwest of Alki Point): Sea Grant, 1973.
- 1-S (deep otter trawl: off southwest of Alki Point): Sea Grant, 1973.
- 4-PO (off south of Fletcher Bay): Sea Grant, 73008.
- 11-S (Duwamish River estuary, between 1st and 16th Ave. S. bridges): Sea Grant, 1973.
- 2-S (Duwamish River estuary, upstream from 16th Ave. S. bridge): Sea Grant, 1973.
- 5-S (Duwamish River estuary, downstream from 1st Ave. S. bridge): Sea Grant, 1973.
- 4-SS (off Nisqually Flats): Sea Grant, 1973.
- 8-SS (McAllister Creek estuary): Sea Grant, 1973.
- 2-HC (off southwest of Big Beef Harbor): Sea Grant, 1973.
- 15-HC (beach seine: above bridge at Big Beef Creek): Sea Grant, 1973.
- 9-B (beach seine: Wildcat Cove): Sea Grant, 1973.
- 3-SS (McLane Cove toward Stretch Island): Sea Grant, 1973.
- 3-SS (west side of Dougall Point): Sea Grant, 1973.
- 11-SS (mid-channel, McLane Cove to Stretch Island): Sea Grant, 1973-74.
- 8-HC (off Union): Sea Grant, 1973.
- 4-HC (mid-channel, off Union): Sea Grant, 1973-74.
- 10-HC (off Skokomish River delta): Sea Grant, 1973.
- 4-HC (beach seine: north of Vinland): Sea Grant, 73038.
- 2-HC (Bangor Annex): Kramer, Chin, and Mayo NCEL Survey, 1973.
- 4-HC (beach seine: Bangor Annex): Kramer, Chin, and Mayo NCEL Survey, 1973.
- 10-S (south side of West Point): Doug Olander, Sport Catch Log, 1972-73.
- 6-SS (Cormorant Pass.): Sea Grant, 1973.
- 1-SS (Tatsolo Point): Sea Grant, 73059.
- 1-B (Samish Bay): U.W. Ocean., Hoh, S.J., 1966.

Leptocottus armatus

Cottidae

Miscellaneous Logs

50+-HC (Big Beef estuary and creek):
K Koski, personal communication,
10/19/72.



Malacocottus kincaidi

Cottidae

Published Records

- 1-HC: Gilbert and Thompson, 1905.
 1-HC: Hubbs, 1928.
 1-PS: Kincaid, 1919.
 5-HC (Hoodsport):
 Smith, 1937 (also one is museum
 3956 and one is museum 3969).
 2-HC (Quilcene Bay): Smith, 1937
 (also museum 4336 and 4349).
 3-HC (Skokomish Flats; Holly;
 Seabeck): Smith, 1937.
 1-AI (Port Gamble): Smith, 1936.
 1-HC (Bangor): Smith, 1936.
 3-E (Skagit Bay): Salo, 1969.
 1-HC (Anderson Cove): Chew, 1970.

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- 2-HC (Holly): 4466; 1561.
 1-SJ (Friday Harbor): 14240.
 1-HC (opposite Hoodsport):
 5785 (also boat 499F).
 1-HC (Dabob Bay):
 14573 (also boat 5921).
 1-SS (Carr Inlet): 200529.
 1-HC (Dabob Bay): 19063.

Friday Harbor Laboratory Log

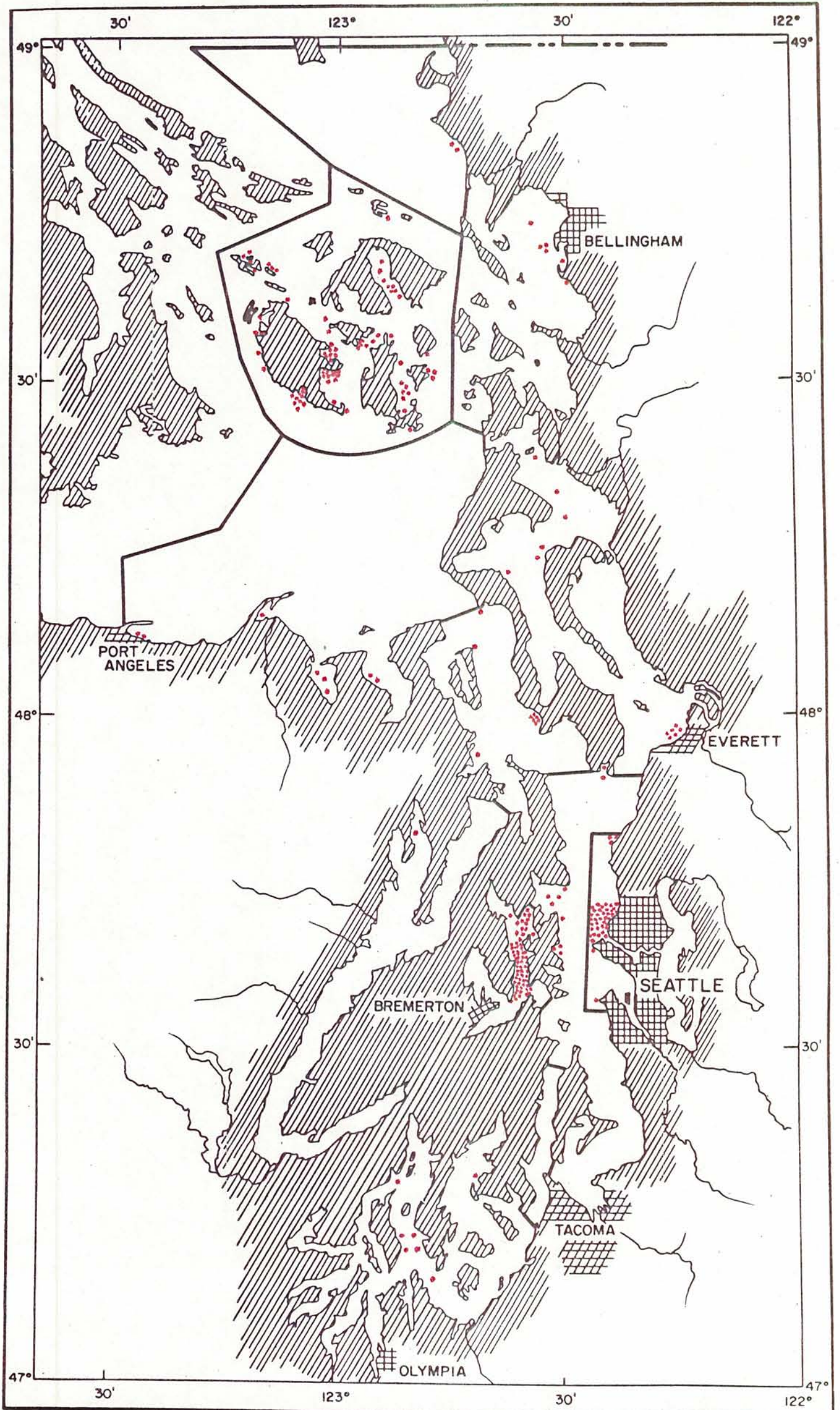
- 1-SJ (San Juan Channel, 88 fathoms):
 7/27/55.

University of Washington Boat Log

- 1-E (Saratoga Pass., off Camano
 Head): 6822D.
 1-E (training cruise area: Saratoga
 Pass., north of Langley): 6914D.
 4-HC (off Pleasant Harbor):
 7003I,J,K,L.
 3-HC (Anderson Cove): 7009A,B,D.
 1-HC (Dabob Bay, Broad Spit to Long
 Spit): 7202F.

Miscellaneous Logs

- 1-E (Saratoga Pass., Demock Point):
 U.W. Ocean., Hoh, 1963-67.
 2-SS (Carr Inlet, off Horsehead
 Bay): U.W. Ocean., Hoh, 1963-67.
 4-HC (off Union, mid-channel):
 Sea Grant, 1973-74.
 7-HC (mid-channel, off Skokomish
 River delta):
 Sea Grant, 1973-74.



Myoxocephalus polyacanthocephalus

Cottidae

Published Records

- 1-JF (beach seine: Port Angeles):
Gilbert, 1895.
1-AI (Port Ludlow): Starks, 1896b.
1-PS: Jordan and Starks, 1896.
2-AI (Admiralty Head; Marrowstone
Point):
Evermann and Goldsborough, 1907.
1-SJ (Sucia Island):
Evermann and Goldsborough, 1907.
1-SJ (Friday Harbor, San Juan
Channel):
Wisner and Swanson, 1935.
1-SJ: Starks, 1911.
1-SJ: Shelford et al., 1935.
1-SJ (near Friday Harbor):
Powers, 1921.
1-JF (Sequim Bay):
Smith, 1936 (also museum 3888).
1-E (Skagit and Similk Bays):
Stober and Salo, 1970a.
1-E (Skagit Bay): Salo, 1969.
1-CS (beach seine: south side of
Point Jefferson): Kendall, 1966.

University of Washington
Museum Collection

- 1-SJ (Argyle Bay): 551.
1-SJ (Upright Head and Shoal Bay):
679.
1-SJ (Flat Point): 683.
1-S (Alki Point): 979.
1-SJ (Friday Harbor): 1038.
1-SJ (False Bay): 1269.
1-SJ (False Bay reef): 1478.
1-SJ (Brown Island): 2130.
1-SJ (Squaw Bay): 2173.
3-S (Edmonds Beach):
4476; 5481; 5525.
1-S (beach seine: spit near Ballard
Locks): 4621.
1-CS (off Cultus Bay):
5924 (also boat 5032A).
1-PO (Agate Pass., buoy N4-N6):
6029 (also boat 5106E).
1-S (Golden Gardens): 6087.
1-CS (beach seine: Cultus Bay):
10214.
1-S (beach seine: Golden Gardens):
11193.
1-S (Shilshole Bay): 15446.
1-E (Skagit Flats, near Hope
Island): 16865.
1-B (Chuckanut Bay): 18290.
1-SJ (Lopez Sound, south of Frost
Island): 15734.
1-SJ (Upright Channel): 17217 (also
Friday Harbor Log, 7/5/63).
1-SJ (Limestone Point): 17434 (also
Friday Harbor Log, 6/23/63).

Friday Harbor Laboratory Log

- 1-SJ (White Point, San Juan Island):
7/19/51-1.
1-SJ (Johns Island): 7/10/50-2.

- 2-SJ (west of Fish Creek):
7/21/52p,1.
12-SJ (Argyle Bay):
7/21/52; 8/16/55-1,3; 7/5/60;
8/11/60-2,3,4; 6/22/61; 7/8/61;
7/12/61-1,3; 7/15/63.
7-SJ (False Bay): 8/4/52-1;
7/24/60; 8/5/60; 6/29/61;
6/21/63; 7/18/67; 7/1/69-4.
2-SJ (north side Johns Island,
second bay): 8/19/52-1,2.
3-SJ (Squaw Bay):
8/1/55; 8/1/60-1; 7/10/61-1.
1-SJ (Brown Island): 8/2/55.
1-SJ (south of Satellite Island):
8/15/55-1.
1-SJ (Mud Bay): 8/15/55-3.
2-SJ (outside False Bay):
8/17/55-1,2.
3-SJ (Friday Harbor Lab):
8/18/55; 7/19/60; 8/4/60-1.
1-SJ (Prevost Harbor): 7/10/50-4.
1-SJ (north of Stuart Island):
7/10/50-9.
1-SJ (west of Goose Island):
7/13/50-5.
1-SJ (west of Decatur Head):
7/24/50-1.
2-SJ (James Island): 7/24/50-3,5.
1-SJ (west of Armitage Island):
7/24/50-8.
1-SJ (south of Neck Point):
8/14/50-1.
1-SJ (north of Neck Point):
8/14/50-2.
1-SJ (north of Hunter Bay):
6/19/50-5 (also boat 5033G).
3-SJ (Mitchell Bay):
6/24/60; 8/16/60-1; 7/17/61-2.
1-SJ (Friday Harbor): 8/6/60-1.
2-SJ (North Bay): 8/18/60-1,2.
1-SJ (Kanaka Bay): 8/21/60.
1-SJ (McArdle Bay): 8/22/60-3.
1-SJ (Smallpox Bay): 7/13/61.
1-SJ (Lopez Sound): 7/28/61.
2-SJ (mid East Sound):
1/17/64; 2/21/64.
1-SJ (Squaw Bay or West Sound):
6/30/67.
1-SJ (Deadman Bay): 7/11/67-1.
1-SJ (Squaw-Ogden): 6/27/69.
1-SJ (Reed Harbor): 7/15/69-3.

University of Washington Boat Log

- 1-SS (beach seine: west side of
Cutts Island): 5037E.
1-CS (beach seine: Fay Bainbridge
State Park): 5806B.
3-SJ (training cruise area: Lopez
Sound, southwest of Center
Island): 7110I; 7118I; 7307I.
2-SJ (training cruise area: East
Sound, north of Rosario Point):
7110H; 6603H2.

Myoxocephalus polyacanthocephalus

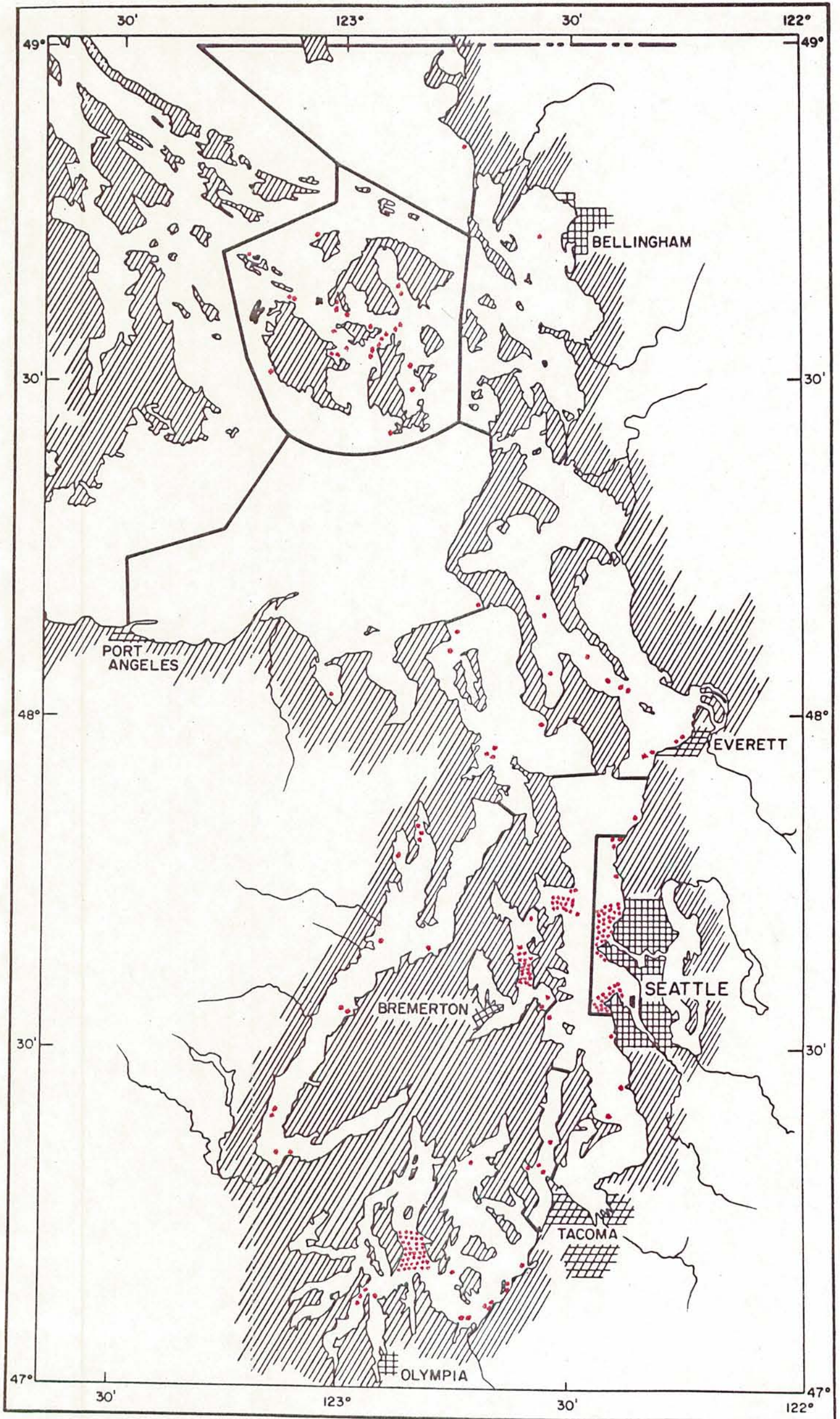
Cottidae

University of Washington Boat Log

- 3-B (training cruise area:
southwest of Post Point):
6507G; 6603G; 7307G.
- 3-CS (Murden Cove):
6610D; 6906B,C.
- 1-HC (Dabob Bay, Broad Spit to Long
Spit): 6902G.
- 2-PO (south part of Agate Pass.):
4910B; 5011C.
- 4-PO (Agate Pass., buoy N4 to N6):
5006A; 5048A; 5106E; 5310.3D.
- 2-S (off Meadow Point to Carkeek
Park): 5212B; 6414B.
- 7-PO (off Fletcher Bay to south of
Battle Point and Brownsville):
5226B; 5236D; 5707G; 5901AL;
5904C; 5915B; 6111A.
- 5-PO (off Manzanita to off Seabold):
5236B; 5310.2D,.4B,.5B,.5E.
- 1-PO (between "3-2" and "B-1"):
5301C.
- 1-PO (off Battle Point to north of
Battle Point): 5310.1A.
- 1-PO (in Manzanita Bay): 5310.3C.
- 1-PO (Point Bolin to Keyport):
5310.4D.
- 15-S (off Golden Gardens to Meadow
Point):
498A; 5007B; 5008B; 5011D; 5014C;
5110E,F; 5112E; 5408A; 5512E,G;
5607A,B; 5907C; 6206A.
- 3-S (beach seine: Carkeek Park):
5225A; 5231A; 5313C.
- 20-S (beach seine: Golden Gardens to
Meadow Point): 5007D; 5024C;
5047C; 5105A; 5110H; 5114B,D;
5127C; 5134A; 5137A,B; 5209B,C;
5308A; 5508C; 5609A; 5612A;
5807A; 5913B; 6207C.
- 1-JF (beach seine: Dungeness embay-
ment): Peninsula College, 1971.
- 1-JF (beach seine: Port Angeles
embayment):
Peninsula College, 1971.
- 1-JF (Sequim Bay):
Battelle, 1967-69.
- 1-JF (lower Sequim Bay):
Sea Grant, 71110.
- 2-JF (upper Discovery Bay):
Sea Grant, 71111.
- 1-S (south of Carkeek Park):
Sea Grant, 3/17/71.
- 1-GS (purse seine observation: south
of Cherry Point):
Sea Grant, 72009.
- 4-AI (beach seine: Mutiny Bay launch
ramp): Sea Grant, 1972.
- 1-GS (south of Cherry Point):
Sea Grant, 72019.
- 1-B (beach seine: Wildcat Cove):
Sea Grant, 72029.
- 1-B (Bellingham Bay, mid-channel,
off Nooksack estuary):
Sea Grant, 72035.
- 1-S (beach seine: south side of West
Point): Sea Grant, 1973.
- 1-S (off northwest side of West
Point): Sea Grant, 1973.
- 1-SS (mid-channel, McLane Cove to
Stretch Island):
Sea Grant, 1973.
- 1-AI (Mutiny Bay):
Sea Grant, 73049.
- 1-SS (Johnson Point toward Anderson
Island):
Dick Geise, Sport Catch, 5/8/74.

Miscellaneous Logs

- 6-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
- 42-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
- 14-S (Golden Gardens to Meadow
Point):
U.W. Ocean., Hoh, 1963-68.
- 9-PO (south and north of Fletcher
Bay): U.W. Ocean., Hoh, 1963-67.
- 4-SS (Case Inlet, off Taylor Bay to
off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
- 3-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
- 2-E (Saratoga Pass., Demock Point):
U.W. Ocean., Hoh, 1963-67.
- 4-SJ (East Sound, south of Rosario
Point): NIH, 1964-66.
- 1-E (Saratoga Pass., west side just
south of Penn Cove):
Van Cleve, trap, 1961-65.



Nautichthys oculofasciatus

Cottidae

Published Records

- 1-SS (Fort Steilacoom):
Girard, 1858, 1859; Suckley,
1860; Gunther, 1860.
1-PS: Jordan and Starks, 1896.
1-AI (Port Ludlow): Starks, 1896b.
1-AI (Port Townsend):
Steindachner, 1877.
1-JF (off Admiralty Head):
Evermann and Goldsborough, 1907.
1-AI (north of Tala Point):
Evermann and Goldsborough, 1907.
1-SJ: Starks, 1911.
1-HC (Holly):
Schultz and DeLacy, 1935-36.
1-SJ (San Juan Channel, off Friday
Harbor):
Wisner and Swanson, 1935.
1-SJ: Shelford et al., 1935.
1-SJ (Upright Channel):
Smith, 1937.
1-HC (Quilcene Bay):
Smith, 1937 (also museum 4222).
1-HC (Holly): Smith, 1937.
1-SS (Dofflemeyer Point):
Smith, 1937.
3-E (Camano Head; Langley; Watsak
Point): Smith, 1937.
3-E (Gedney Island): Smith, 1937.
1-CS (Meadowdale): Smith, 1937.
2-HC (Hoodsport): Smith, 1937.
5-S (Duwamish Head): Salo, 1969.
2-CS (beach seine: south side of
Point Jefferson):
Kendall, 1966.

University of Washington
Museum Collection

- 2-PS: 214; 7353.
5-S (Alki Point):
665; 823; 4225; 4396; 4486.
3-SJ (Flat Point):
680; 2087; 2271.
2-SJ (Deer Harbor): 809; 1220.
2-SJ (Friday Harbor): 994; 2096.
1-SJ (Madrona Cove, San Juan
Island): 1178.
1-SJ (Blind Bay): 2244.
1-PS (Hood Canal to Port Susan):
2331.
1-E (Saratoga Pass., Camano Head):
2546.
1-E (Saratoga Pass.): 4243.
1-E (off Mukilteo): 4350.
1-E (northwest side of Lopez
Island): 4972.
3-S (Edmonds Beach):
5445; 5462; 5478.
1-S (Carkeek Park): 5554.
1-SJ: 19456.
1-E (Mukilteo ferry dock): 5686.
8-S (Golden Gardens):
5646; 6138; 14245; 14249; 14285;
14303; 16377; 16923.

- 1-CS (mouth of Port Madison): 6079.
1-CP (Point Defiance): 11183.
1-SS (Drayton Pass.): 14260.
1-AI (off Colvos Rock): 14342.
1-SS (Nisqually Reach): 15704.
3-S (off Golden Gardens): 6019
(also boat 494B); 5839 (also boat
496C); 5740 (also boat 497E).
1-SJ (Limestone Point): 18013 (also
Friday Harbor log, 6/23/63).
5-S (beach seine: Golden Gardens):
5908 (also boat 5032.1C); 5798
(also boat 5036A); 6086 (also
boat 5047B); 10202; 14281 (also
boat 5129B).
1-S (Richmond Beach): 10191.
1-SJ (Prevost Harbor): 10448.
1-SJ (Lopez Sound): 16682 (also
Friday Harbor log, 7/11/63).
1-SJ (East Sound): 17135.

Friday Harbor Laboratory Log

- 1-SJ (Upright Head): 8/2/52.
1-SJ (north of Upright Head):
8/22/55-1.
1-SJ (North Bay, Waldron Island):
8/25/55-2.
1-SJ (south of Neck Point):
8/14/50-1.
1-SJ (Pole Pass.): 7/30/60.
1-SJ (Lopez Sound): 8/22/60-4.
1-SJ (Deadman Bay): 6/22/63.
1-SJ (Iceberg Point): 7/7/67.

University of Washington Boat Log

- 1-CS (off Indianola, Port Madison):
5006B.
1-CS (Tramp Harbor): 5104A.
1-SS (Carr Inlet, Minter Creek to
Glen Cove): 5104Y.
1-CP (off Camp Sealth): 5104CC.
1-PO (Agate Pass., buoy N4 to N6):
5006A.
1-PO (Rich Pass.): 5616.
1-PO (off Fletcher Bay): 6111B.
1-CS (Manchester): 6618.
3-HC (Dabob Bay, Broad Spit to Long
Spit): 6804A; 6807A; 6828B.
1-HC (off Pleasant Harbor): 6804E.
1-E (Saratoga Pass., south of
Snatelum Point): 5712C.
5-S (off Meadow Point to Carkeek
Park): 5039E; 5119B; 5606B;
6414B; 7120B.
2-S (beach seine: Carkeek Park):
5225A, B.
21-S (off Golden Gardens to Meadow
Point): 4/16/49-2; 491A; 494E;
495D; 498B; 4910A; 5033A; 5034D;
5039D; 5112B; 5119C; 5131C;
5132A, B; 5233D; 5324C; 5329C;
5607B; 5702AN; 5920B; 6311A.

Nautichthys oculofasciatus

Cottidae

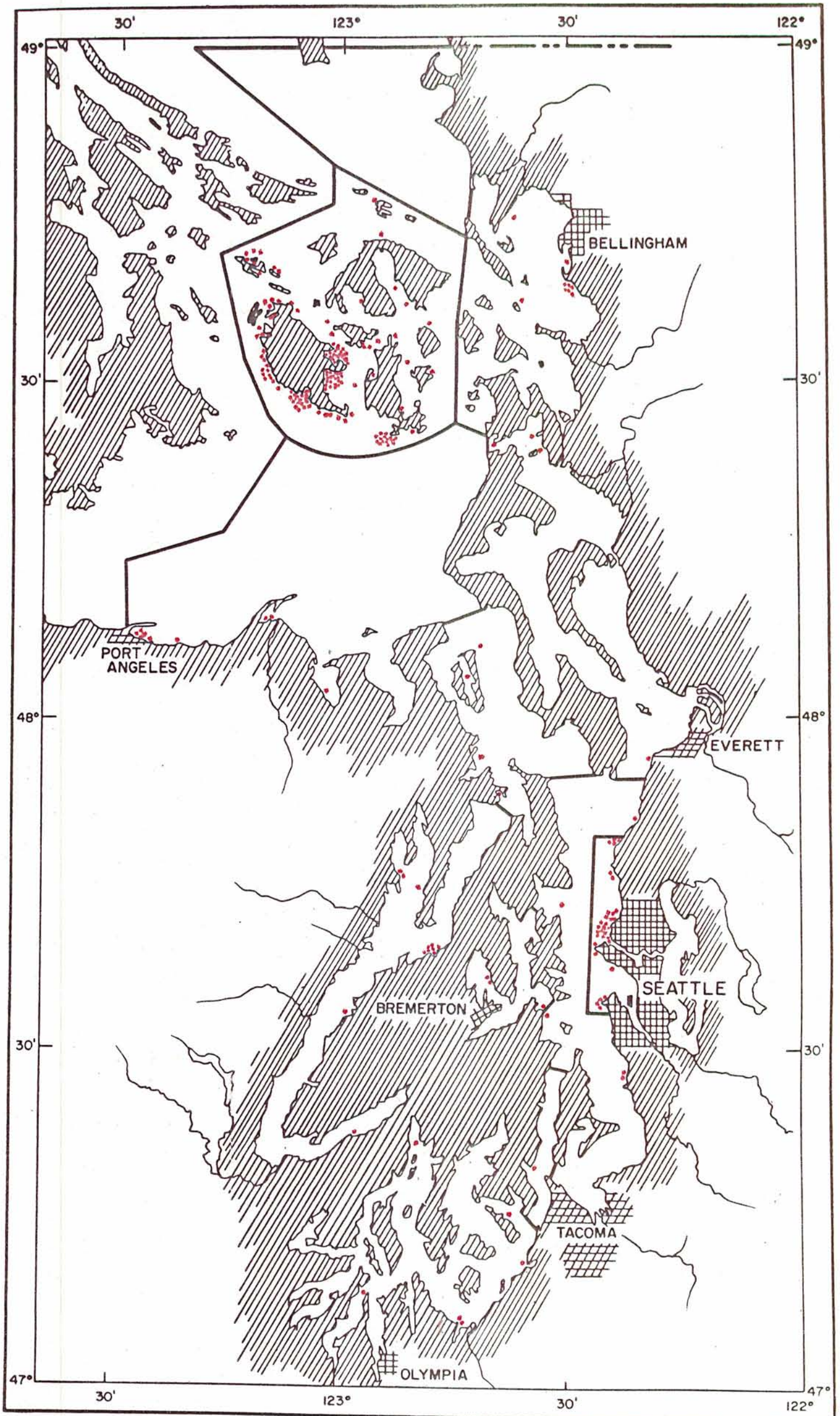
University of Washington Boat Log

21-S (beach seine: Golden Gardens to Meadow Point): 5001; 5007D; 5040A; 5047A, C; 5116A; 5114B; 5127C; 5134A, B; 5137A, B; 5209C; 5320A; 5322A; 5326A; 5328A; 5706A; 6211; 6310; 6417.

Miscellaneous Logs

5-S (Duwamish Head to Alki Point): U.W. Ocean., 1964-67.
 2-S (Meadow Point): U.W. Ocean., 1964-67.
 2-E (Port Gardner Bay): U.W. Ocean., P.G., 1962-67.
 14-PO (south of Fletcher Bay): U.W. Ocean., P.O., 1964-65.
 23-S (Golden Gardens to Meadow Point): U.W. Ocean., Hoh, 1963-68.
 5-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
 47-SS (Case Inlet, off Taylor Bay to off Whiteman Cove): U.W. Ocean., Hoh, 1963-67.
 13-CS (Port Madison): U.W. Ocean., Hoh, 1963-68.
 1-E (Holmes Harbor): U.W. Ocean., Hoh, 1963-67.
 1-CS (Fauntleroy Ferry): Bill High, Diving, 1965.
 1-SJ (Limestone Point): Bruce Miller, Diving Log, 9/6/65.
 1-B (Bellingham Bay, Nooksack Flats to Marine Drive): NIH, 1968-71.
 4-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
 1-PO (Clam Bay): NIH, 1968-71.
 3-SS (Eld Inlet entrance): Van Cleve, trap, 1961-65.
 1-JF (lower Sequim Bay): Sea Grant, 71110.
 1-S (Alki Point): S.L. Ralston, Diving Log, 1971.
 1-S (Golden Gardens): S.L. Ralston, Diving Log, 1971.
 1-CP (in Gig Harbor): Sea Grant, 72003 (also boat 7208).
 1-GS (south of Cherry Point): Sea Grant, 72019.
 1-CP (off Gig Harbor spit): Sea Grant, 72025.
 1-S (beach seine: Golden Gardens): Sea Grant, 72032.
 3-S (beach seine: north side of West Point): Sea Grant, 1973.
 2-S (off northwest side of West Point): Sea Grant, 1973.
 3-S (off southwest side of West Point): Sea Grant, 1973.
 1-S (southwest of Alki Point): Sea Grant, 1973.
 1-S (deep otter trawl: off southwest of Alki Point): Sea Grant, 1973.

1-HC (off southwest of Big Beef Harbor): Sea Grant, 1973.
 1-SS (McLane Cove toward Stretch Island): Sea Grant, 1973.
 3-SS (mid-channel, McLane Cove to Stretch Island): Sea Grant, 1973.
 1-HC (off Union): Sea Grant, 1973.
 1-HC (off Skokomish River delta): Sea Grant, 1973.
 1-AI (Mutiny Bay): Sea Grant, 73049.
 2-SS (Cormorant Pass.): Sea Grant, 73060.
 1-S (Carkeek Park): George Warner, personal communication, 1957.
 1-AI (Port Townsend Bay): U.W. Ocean., Hoh, S.J., 1966.
 1-SJ (East Sound): NIH, 1968-71.
 1-CS (Three-Tree Point): Bruce Miller, Diving Log, 9/17/64.
 1-SS (off Nisqually River-McAllister Creek delta): Sea Grant, 72034.
 3-SS (south of Tatsolo Point): Sea Grant, 73059.



Oligocottus maculosus

Cottidae

Published Records

1-SS (Fort Steilacoom): Girard,
1857a, 1859; Suckley, 1860.
1-PO (Orchard Point):
Jordan and Starks, 1896.
1-AI (Port Ludlow): Starks, 1896b.
1-JF (beach seine: Port Angeles):
Gilbert, 1895.
1-SS (Fox Inlet, Hale Pass.):
Steindachner, 1877.
1-SJ: Starks, 1911.
1-SJ (Friday Harbor): Miles, 1918.
1-SJ (near Friday Harbor):
Powers, 1921.
2-AI (Kilisut Harbor; Marrowstone
Point):
Evermann and Goldsborough, 1907.
1-E (Lone Tree Point): Horn, 1932.
1-SJ: Shelford et al., 1935.
1-CS (Meadowdale):
Schultz and DeLacy, 1935-36.
1-HC (Holly):
Schultz and DeLacy, 1935-36.
1-E (beach seine: Kiket Island):
Stober and Salo, 1970a.
1-S (Seattle): Jamison, 1966.
1+B (Bellingham Bay, north of Eliza
Island): Tyler, 1964.
1-CS (Seahurst County Park):
Miller, 1971a.

University of Washington
Museum Collection

4-S (Golden Gardens):
89; 99; 11199; 200071.
1-S (Pipers Canyon): 144.
1-E (Deception Pass.): 169.
1-SJ (Argyle Bay): 550.
1-CS (reef north of Manchester
Rocks): 638.
1-SJ (Upright Head and Shoal Bay):
670.
1-S (Seattle): 708.
1-SJ (Flat Point): 724.
1-SJ (East Sound): 743.
7-SJ (Friday Harbor): 996; 1039;
2152; 2182; 4796; 4821; 14246.
1-SJ (Cattle Point): 1014.
1-SJ (Lime Kiln): 1026.
1-SJ (two miles south of Lime Kiln):
1060.
4-SJ (Kanaka Bay):
1078; 1143; 1251; 10439.
1-S (Ballard): 4334.
1-PS: 12699.
4-S (Alki Point):
4337; 4849; 4909; 6213.
2-S (Edmonds, hand seine):
4386; 4408.
1-S (beach seine: south of Ballard
Locks): 4403.
1-AI (Bywater Bay): 4430.
2-S (Edmonds Beach): 4550; 4591.
1-SS (Case Inlet, North Bay): 5068.
1-B (east northeast of Vendovi
Island): 6055.

1-HC (Twanoh State Park): 11173.
1-JF (beach near Morse Creek):
4636.
2-HC (Point Whitney): 14689; 16582.
1-JF (Port Angeles): 14163.
1-B (Chuckanut Bay): 18280.
2-S (Richmond Beach):
5984 (also boat 2/13/50); 10201.
1-GS (Blaine, Semiahmoo Bay): 816.
1-SJ (south of Frost Island):
5990 (also Friday Harbor log,
6/19/50-2 and boat 5033D).
1-S (beach seine: Golden Gardens):
5793.
1-SJ (near Peavine Pass.): 1106.
2-SJ (Brown Island): 1115; 2133.
5-SJ (False Bay):
1129; 1158; 1174; 1262; 6199.
1-SJ (near Olga): 1134.
1-SJ (Parker Reef, north of Orcas
Island): 1162.
1-SJ (northeast side of San Juan
Island): 1295.
1-SJ (False Bay reef): 1483.
1-S (beach seine: North Beach):
4675.
2-S (North Beach): 5034; 4823.
1-SJ (entrance to False Bay):
10453 (also Friday Harbor log,
8/4/52-1).
1-SJ (reef north of Lime Kiln
light): 10765.
1-SJ (Prevost Harbor): 11200 (also
Friday Harbor log, 8/19/52).
1-SJ (Newall, Orcas Island): 14332.
1-SJ (Upright Channel): 17204 (also
Friday Harbor log, 7/5/63).
1-SJ (point east of Eagle Cove):
17415 (also Friday Harbor log,
8/5/63).
1-SJ (Limestone Point):
17440 and 17969 (also Friday
Harbor log, 6/23/63).
1-SJ (Deadman Bay): 17928 (also
Friday Harbor log, 8/2/63).
2-SJ (Hannah Heights): 17940; 18014
(also Friday Harbor log, 8/3/63).
1-SJ (Iceberg Point): 18021.

Friday Harbor Laboratory Log

3-SJ (Friday Harbor):
6/23/52; 8/6/60-1; 7/25/61.
1-SJ (American Camp): 7/6/52.
2-SJ (Smallpox Bay):
7/8/52; 7/13/61.
1-SJ (south of Smallpox Bay):
7/8/52.
6-SJ (Iceberg Point tidepool):
7/22/52-3; 8/22/60-1; 7/18/63-2;
7/19/63-2; 6/29/73-1, 2.
11-SJ (False Bay): 8/4/52-1;
7/10/60; 7/14/60; 7/24/60;
8/5/60; 6/29/61; 7/26/61; 8/8/61;
6/21/63; 7/18/67; 7/1/69-4.

Oligocottus maculosus

Cottidae

Friday Harbor Laboratory Log

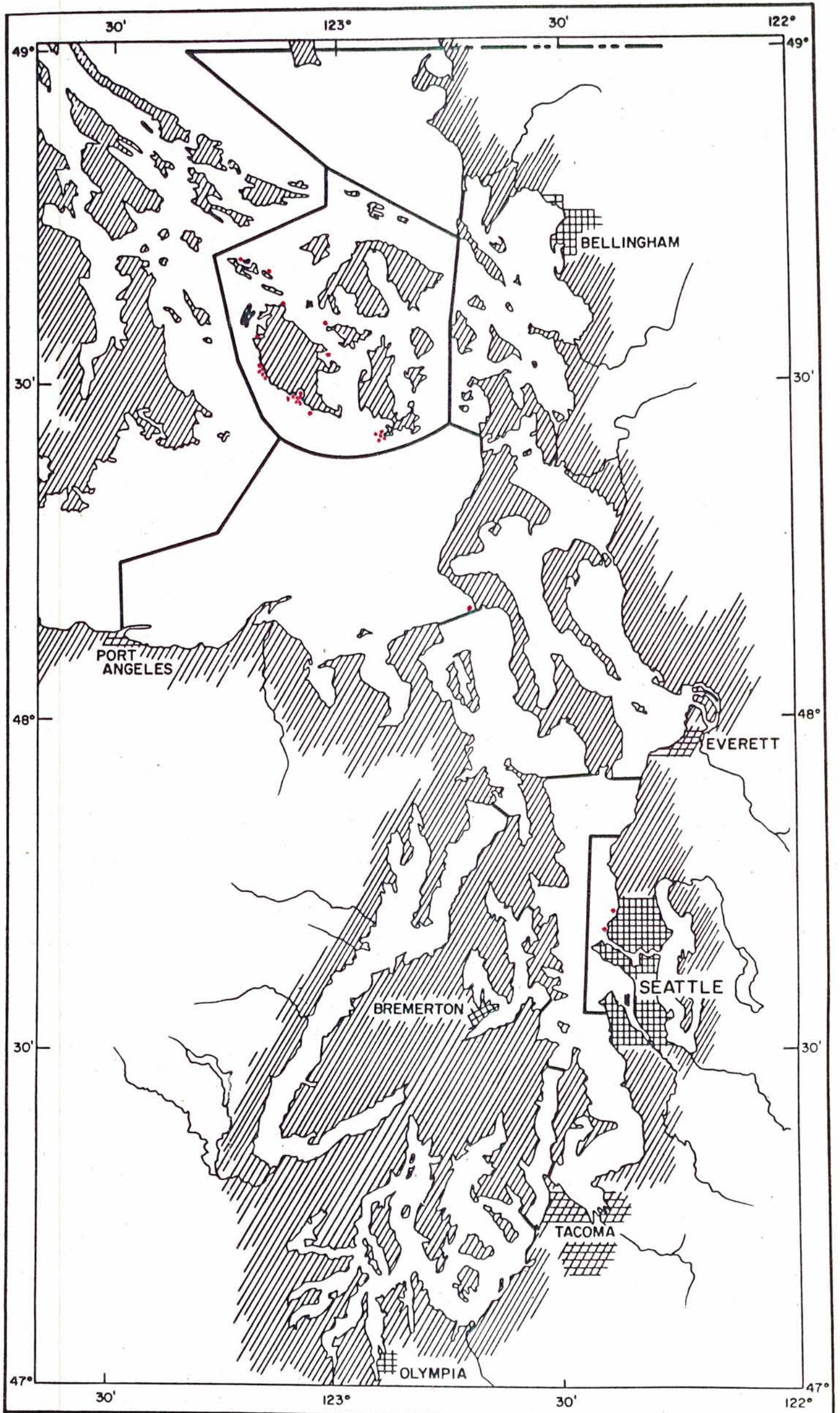
- 2-SJ (north side of Johns Island, second bay): 8/19/52-1, 2.
 2-SJ (south of Satellite Island): 8/15/55-1, 2.
 1-SJ (Mud Bay): 8/15/55-3.
 13-SJ (Argyle Bay):
 8/16/55-3; 7/5/60; 7/15/60-1, 2;
 8/11/60-2; 6/22/61; 6/23/61;
 7/8/61; 7/12/61-1, 3; 7/18/61-2;
 8/3/61; 6/19/69.
 1-SJ (outside False Bay):
 8/17/55-1.
 7-SJ (Friday Harbor lab): 8/18/55;
 7/50; 6/23-30/60; 7/9/60;
 7/19/60; 8/4/60-1; 6/21/67-2.
 1-SJ (Prevost Harbor): 7/10/50-4.
 2-SJ (Satellite Island):
 7/10/50-5, 6.
 1-SJ (west of Decatur Head):
 7/24/50-1.
 1-SJ (San Juan Island, opposite Henry Island): 7/31/50-1.
 1-SJ (Turn Island): 7/30/61.
 1-SJ (south of Neck Point):
 8/14/50-1.
 1-SJ (north of Neck Point):
 8/14/50-2.
 3-SJ (Mitchell Fay):
 6/24/60; 8/16/60-1; 7/17/61-2.
 6-SJ (Argyle Lagoon):
 7/2/60; 7/11/60-1; 7/15/60-3;
 7/31/60; 8/11/60-1; 7/9/73.
 2-SJ (Squaw Bay):
 8/1/60-1; 7/10/61-1.
 1-SJ (Minnesota Reef): 8/4/60-2.
 2-SJ (Westcott Fay): 8/16/60-2, 3.
 1-SJ (White Beach): 8/16/60-4.
 2-SJ (North Bay): 8/18/60-1, 2.
 1-SJ (Kanaka Bay): 8/21/60.
 1-SJ (Mosquito Pass.): 7/17/61-1.
 2-SJ (Cattle Point):
 8/6/61; 6/23/67-1.
 6-SJ (Iceberg Point):
 8/22/60-2; 6/28/61-2; 7/7/67;
 6/30/69-1, 2, 3.
 1-SJ (San Juan Island): 5/62.
 4-SJ (Deadman Bay): 6/22/63;
 6/27/67; 7/3/67; 7/11/67-1.
 1-SJ (McArdle Bay): 8/22/60-3.
 1-SJ (Hannah Heights): 7/6/67.
 1-SJ (Eagle Point): 7/5/67.
 1-SJ (Squaw-Ogden): 6/27/69.
 1-SJ (Reed Harbcr): 7/15/69-3.

University of Washington Boat Log

- 1-SJ (beach seine: Fisherman Bay):
 50330.
 4-S (beach seine: Golden Gardens to Meadow Point):
 5127C; 5134A; 5807B; 6417.
 2-S (beach seine: Carkeek Park):
 5221A; 5231A.
 1-HC (Dabob Bay): 7112.

Miscellaneous Logs

- 1-CS (Port Madison):
 Van Cleve, trap, 1961-65.
 1-SS (Eld Inlet entrance):
 Van Cleve, trap, 1961-65.
 2-JF (beach seine: Dungeness embayment):
 Peninsula College, 1971.
 3-JF (beach seine: Port Angeles embayment):
 Peninsula College, 1971.
 1-JF (Sequim Bay):
 Battelle, 1967-69.
 1-CP (beach seine: Gig Harbor spit):
 Sea Grant, 72003 (also boat 7208).
 1-CS (beach seine: Seahurst County Park): Sea Grant, 72016.
 2-PO (beach seine: Dyes Inlet, Tracyton launch ramp):
 Sea Grant, 72018.
 2-SS (beach seine: Nisqually Head):
 Sea Grant, 1972.
 1-HC (beach seine: above and below Big Beef Creek bridge):
 Sea Grant, 72028.
 2-B (beach seine: Wildcat Cove):
 Sea Grant, 72029.
 1-S (beach seine: north side of West Point): Sea Grant, 1973.
 1-S (beach seine: south side of West Point): Sea Grant, 1973.
 1-E (beach, hand collection, Mukilteo, NMFS Field Station):
 Allyn Johnson, personal communication, 4/6/73.
 6-HC (beach seine: above bridge at Big Beef Creek):
 Sea Grant, 1973.
 4-B (beach seine: Wildcat Cove):
 Sea Grant, 1973.
 1-SJ (northwest beach of Sucia Island):
 Allyn Johnson, Diving, 4/2/72.



Oligocottus rimensis

Cottidae

Published Records

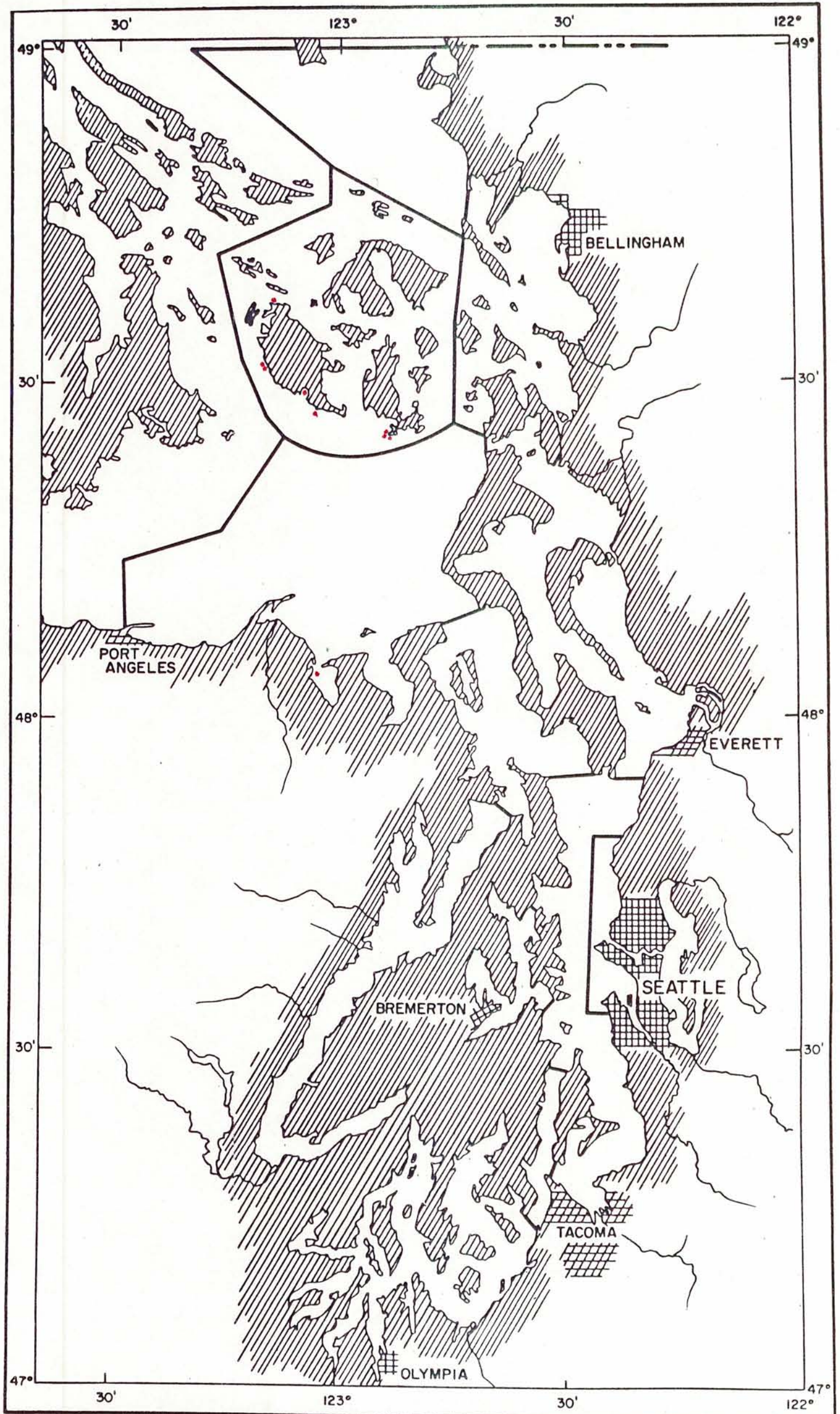
- 1-JF (Admiralty Head):
 Evermann and Goldsborough, 1907.
 1-SJ: Gilbert and Thompson, 1905.
 1-SJ: Starks, 1911.
 1-SJ: Kincaid, 1919.
 SJ (Kanaka Bay; False Bay):
 Schultz, 1930 (duplicated in
 museum collection).

University of Washington
Museum Collection

- 3-SJ (Kanaka Bay):
 1079; 1141; 1249.
 1-SJ (False Bay): 1266.
 1-SJ (False Bay reef): 1469.
 1-SJ (Friday Harbor): 2183.
 1-S (beach seine: Carkeek Park):
 8378 (also boat 5225B).
 1-S (Golden Gardens): 11713.
 1-SJ (Prevost Harbor): 14294 (also
 Friday Harbor log, 8/19/52).
 1-SJ (Deadman Cove): 17943 (also
 Friday Harbor log, 8/2/63).

Friday Harbor Laboratory Log

- 3-SJ (Iceberg Point tidepool):
 7/22/52-3; 8/22/60-1; 7/19/63-2.
 2-SJ (Iceberg Point):
 8/22/60-2; 7/7/67.
 2-SJ (north side of Johns Island,
 second bay): 8/19/52-1, 2.
 1-SJ (north of Neck Point):
 8/14/50-2.
 2-SJ (False Bay): 8/5/60; 6/29/61.
 1-SJ (Mitchell Bay): 8/16/60-1.
 3-SJ (Deadman Bay):
 6/22/63; 6/27/67; 7/11/67-1.
 1-SJ (Limestone Point): 6/23/63.
 1-SJ (Eagle Point): 7/5/67.



Oligocottus snyderi

Cottidae

University of Washington
Museum Collection

1-SJ (Deadman Bay): 17945.

1-SJ: 17954.

1-SJ (Hannah Heights): 17995 (also
Friday Harbor log, 8/3/63).

Friday Harbor Laboratory Log

3-SJ (Iceberg Point tidepool):
8/22/60-1; 7/19/63-2; 7/9/73.

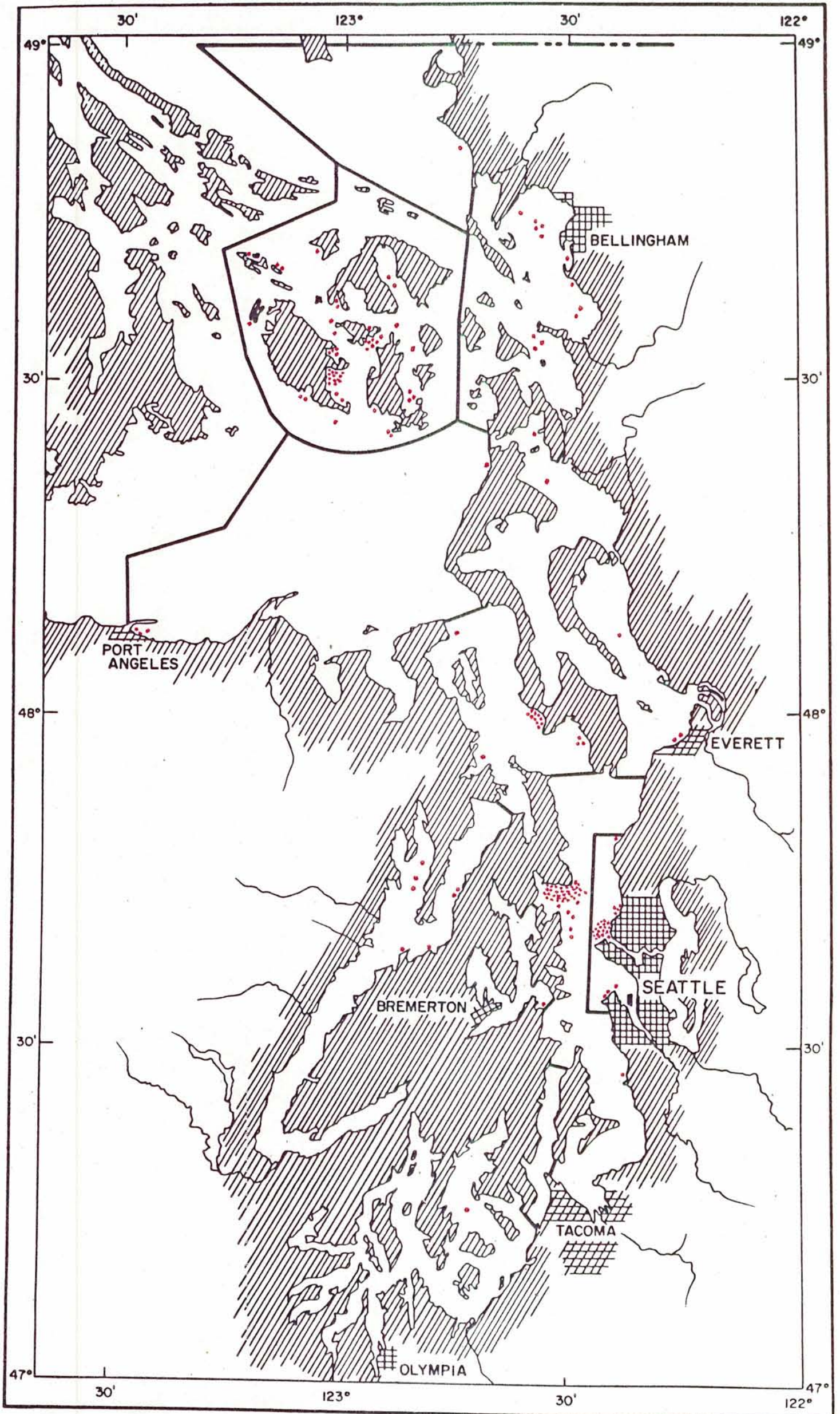
1-SJ (False Bay): 6/21/63.

1-SJ (Deadman Bay): 6/22/63.

1-SJ (Eagle Point): 7/5/67.

Miscellaneous Logs

1-JF (Sequim Bay):
Battelle, 1967-69.



Psychrolutes paradoxus

Cottidae

Published Records

- 1-JF (Port Angeles): Jordan, 1884.
 1-JF (beach seine: Port Angeles):
 Gilbert, 1895.
 1-AI (Port Ludlow): Starks, 1896b.
 1-PO (Orchard Point):
 Jordan and Starks, 1896.
 1-SJ: Starks, 1911.
 1-E (beach seine: Kiket Island):
 Stober and Salo, 1970a.
 1-E (Skagit and Similk Bays):
 Stober and Salo, 1970a.
 1-S (Duwamish Head): Salo, 1969.
 1+-B (Bellingham Bay, north of Eliza
 Island): Tyler, 1964.
 36-CS (beach seine: south side of
 Point Jefferson): Kendall, 1966.
 1-CS (Seahurst County Park):
 Miller, 1971a (also boat 7113 and
 NIH, 71101).

University of Washington
Museum Collection

- 1-AI (Port Townsend): 266.
 1-SJ (Davis Bay): 612.
 1-SJ (Flat Point): 681.
 1-SJ (Madrona Cove, San Juan
 Island): 1179.
 2-SJ (Deer Harbor): 1222; 2969.
 1-SJ (Lopez Island to Blakeley
 Island): 1306.
 1-SJ (Griffin Bay): 1762.
 1-SJ (Brown Island): 2128.
 1-SJ (Blind Bay): 2245.
 1-SJ (Blakely Island to Shaw
 Island): 2952.
 1-AI (Useless Bay): same
 collection: 4416, 4417, and 4418.
 1-AI (Useless Bay): 4568.
 3-S (Golden Gardens):
 6139; 11598; 11611.
 1-S (Edmonds): 8164.
 1-S (off Golden Gardens): 14328.
 5-S (beach seine: Golden Gardens):
 5801 (also boat 5036A); 5909
 (also boat 5032.1C); 5918 (also
 boat 5032.1E); 14390 (also boat
 5215A); 15740 (also boat 5040A).
 1-CS (beach seine: Cultus Bay):
 10203 and 16402 (also boat 5217).
 1-S (beach seine: Carkeek Park):
 14694 (also boat 5808B).
 1-B (Chuckanut Bay): 18291.
 2-SJ: 3539; 3563.
 1-SJ (San Juan Island): 6209.
 1-SJ (Prevost Harbor): 10449 (also
 Friday Harbor log, 8/19/52).
 1-SJ (Lopez Sound): 16683.
 1-B (Saddlebag Island): 16694.
 1-SJ (Upright Channel): 17205 (also
 Friday Harbor log, 7/5/63).

Friday Harbor Laboratory Log

- 1-SJ (off Fish Creek, Cattle Point):
 7/21/52-1.

- 11-SJ (Argyle Bay):
 7/21/52; 7/18/61-2; 8/16/55-1, 2,
 3; 8/11/60-3, 4; 7/12/61-3, 4;
 7/15/63; 7/8/67.
 1-SJ (west of Salmon Banks):
 7/22/52-2.
 1-SJ (off Kanaka Bay): 8/4/52-3.
 2-SJ (north side Johns Island,
 second bay): 8/19/52-1, 2.
 2-SJ (Squaw Bay):
 8/1/55; 7/10/61-1.
 1-SJ (Upright Channel, Ogden Park):
 8/1/55.
 1-SJ (outside False Bay):
 8/17/55-2.
 1-SJ (Cowlitz Bay): 8/25/55-2.
 1-SJ (Open Bay): 7/31/50-4.
 1-SJ (south of Neck Point):
 8/14/50-1.
 1-SJ (north of Neck Point):
 8/14/50-2.
 2-SJ (Friday Harbor lab):
 7/19/60; 6/67.
 2-SJ (North Bay): 8/18/60-1, 2.
 1-SJ (Iceberg Point): 6/28/61-2.
 1-SJ (Squaw Bay or East Sound):
 6/30/67.
 1-SJ (Squaw-Ogden): 6/27/69.
 1-SJ (Friday Harbor lab, night
 light): 1969.

University of Washington Boat Log

- 2-SJ (training cruise area: Lopez
 Sound, southwest of Center
 Island): 6908I; 7118I.
 1-HC (west of Misery Point): 7202A.
 1-S (off Golden Gardens to Meadow
 Point): 494A.
 7-S (beach seine: Golden Gardens to
 Meadow Point): 5129B; 5134A;
 5137A; 5209C; 5214A; 5215D, I.
 3-S (beach seine: Carkeek Park):
 5221C; 5225B; 5231A.
 3-HC (Dabob Bay): 7102D, E, Q.

Miscellaneous Logs

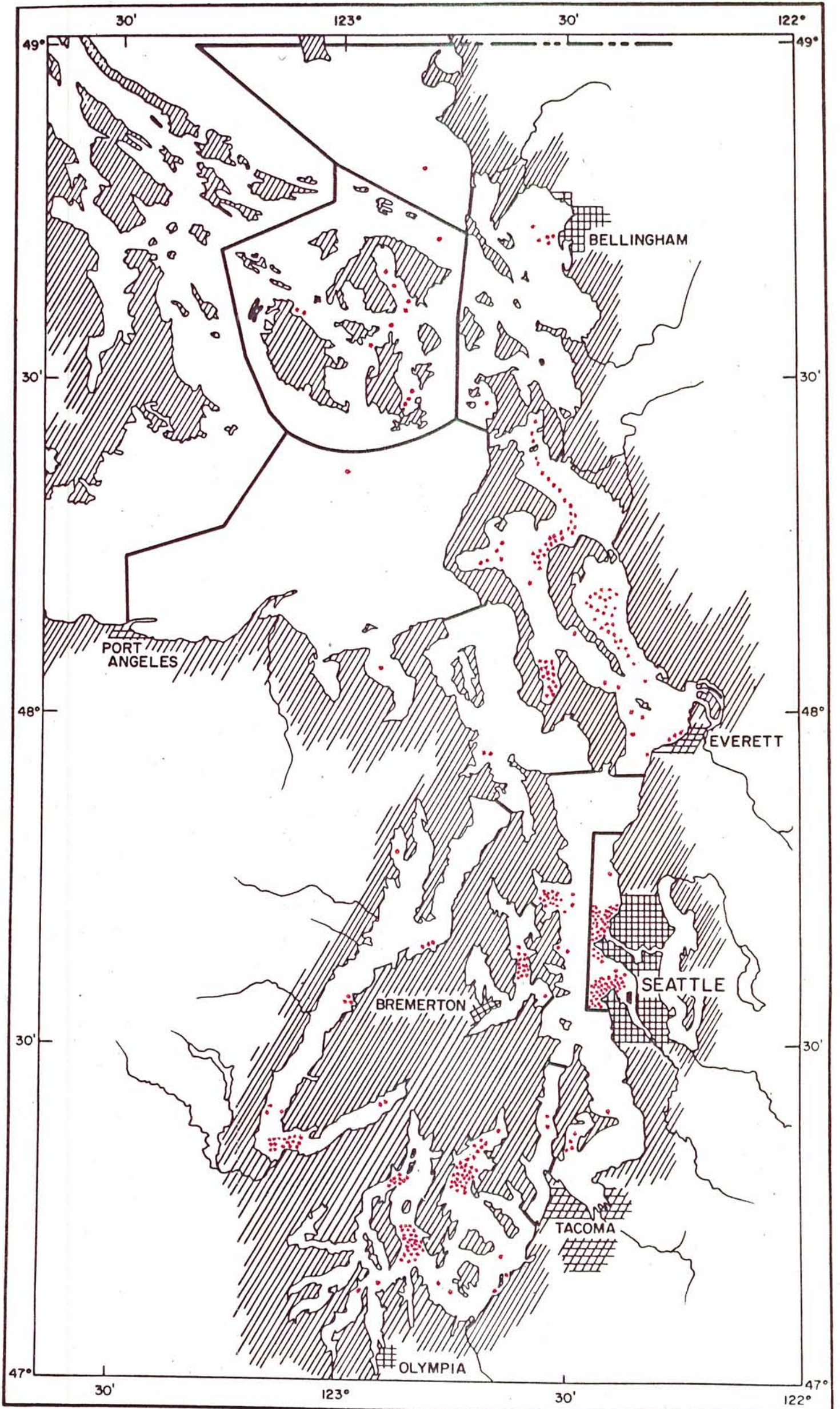
- 2-S (Duwamish Head to Alki Point):
 U.W. Ocean., 1964-67.
 2-E (Port Gardner Bay):
 U.W. Ocean., P.G., 1962-67.
 6-S (Golden Gardens to Meadow
 Point):
 U.W. Ocean., Hoh, 1963-68.
 1-CS (Port Madison):
 U.W. Ocean., Hoh, 1963-68.
 6-CS (Skiff Point to Point
 Jefferson): U.W. Ocean., herring
 trawl, 1968-69.
 1-SS (mouth of Carr Inlet): U.W.
 Ocean., herring trawl, 1968-69.
 1-E (Port Susan): U.W. Ocean.,
 herring trawl, 1968-69.
 2-AI (Useless Bay; Mutiny Bay):
 U.W. Ocean., S.J., 1966.

Psychrolutes paradoxus

Cottidae

Miscellaneous Logs

- 2-B (Padilla Bay, near William Point): U.W. Ocean., S.J., 1966.
- 2-B (Bellingham Bay):
U.W. Ocean., S.J., 1966.
- 2-B (Samish Bay; Lummi Bay):
U.W. Ocean., S.J., 1966.
- 2-SJ (East Sound):
U.W. Ocean., S.J., 1966.
- 1-SJ (Canoe Island):
U.W. Ocean., S.J., 1966.
- 1-JF (beach seine: Port Angeles embayment):
Peninsula College, 1971.
- 1-GS (beach seine: south of Cherry Point): Sea Grant, 72008.
- 2-AI (beach seine: Mutiny Bay):
Sea Grant, 72011.
- 8-AI (beach seine: Mutiny Bay launch ramp): Sea Grant, 1972.
- 1-B (beach seine: Wildcat Cove):
Sea Grant, 72029.
- 1-HC (off southwest of Big Beef Harbor): Sea Grant, 1973.
- 1-B (Bellingham Bay, off Nooksack River flats): Sea Grant, 73032.
- 1-SJ (Argyle Bay): Bruce Miller,
Diving log, 7/20/66.
- 1-B (northern Bellingham Bay):
Sea Grant, 72004.
- 1-JF (beach seine: West Beach):
Sea Grant, 72017.
- 2-HC (Bangor Wharf): Kramer, Chin,
and Mayo NCEL Survey, 1973.



Radulinus asprellus

Cottidae

Published Records

- 1-S (Seattle):
Jordan and Starks, 1896.
2-AI (north of Tala Point; northwest of Tala Point):
Evermann and Goldsborough, 1907.
1-S (Seattle):
Evermann and Goldsborough, 1907.
2-HC (Hoodsport; Quilcene Bay):
Smith, 1937.
1-E (Columbia Beach): Smith, 1937.
1-E (Langley):
Smith, 1937 (also museum 14292).
2-E (Gedney Island): Smith, 1937.
1-SS (Carr Inlet):
Smith, 1937 (also museum 4255).
1-SS (McNeil Island): Smith, 1937.
16-S (Duwamish Head): Salo, 1969.
13-E (Skagit Bay): Salo, 1969.

University of Washington
Museum Collection

- 1-SJ (Olga): 1973.
1-SJ (Rocky Bay): 2144.
1-SJ (Rocky Point, San Juan Island):
2209.
1-E (Saratoga Pass., Sandy Point):
2664.
1-E (Port Susan): 2938.
1-HC (near Hoodsport): 3767.
1-E (Mukilteo): 4254.
1-SJ (East Sound or Upright
Channel): 4541.
1-S (Richmond Beach): 5114.
1-SS (off Budd Inlet):
5660 (also boat 7/20/49-4).
1-SS (off McLane Cove):
5666 (also boat 7/20/49-3).
1-SS (northwest end of Nisqually
Reach):
5674 (also boat 7/20/49-5).
1-SJ (west of Ram Island):
5754 (also boat 491P).
1-HC (opposite Hoodsport):
5778 (also boat 499F).
1-S (off Golden Gardens):
5857 (also boat 5034D).
2-S (Golden Gardens): 6165; 14293.
1-CS (Port Madison):
7332 (also boat 1/22/49-1).
1-SJ (Flat Point): 2270.
1-SJ (East Sound): 17072 (also
Friday Harbor log, 6/20/63).

Friday Harbor Laboratory Log

- 1-SJ (north of Hunter Bay):
6/19/50-5 (also boat 5033G).
1-SJ (off northwest of Barnes
Island):
6/20/50-3 (also boat 5033J).
1-JF (west of McArthur Bank):
8/3/55-1 (also boat 5520A).
1-SJ (north of Upright Head):
8/22/55-1.

- 1-SJ (Upright Head to Olga):
8/1/60-2.

University of Washington Boat Log

- 1-JF (Discovery Bay): 5318A.
1-SJ (East Sound): 5033M.
1-SJ (training cruise area: Lopez
Sound, southwest of Center
Island): 7017I.
1-B (Burrows Bay): 5033S.
1-B (Bellingham Bay): 6822G.
3-B (training cruise area: southwest
of Post Point):
6717G; 6815G; 6819G.
1-E (Penn Cove mouth, off Long Point
to off Snatelum Point): 5220E.
2-E (off Oak Harbor to Blower
Bluff): 5220F, N.
1-E (north end of Saratoga Pass.):
5220M.
1-E (Holmes Harbor, Rocky Point to
Dines Point): 5220 O.
2-E (Holmes Harbor, south of
Classic): 5316E; 5501C.
2-E (Holmes Harbor): 5327B; 5405D.
1-E (Saratoga Pass., Snatelum Point
to Onamac Point): 5418H.
1-E (in Elger Bay): 5418I.
1-E (Holmes Harbor, Dines Point to
Classic): 5501D.
2-E (Penn Cove): 5613W, X.
1-E (off Mission Bay): 5023E.
1-E (Port Susan, off Kayak Point):
6702C.
3-HC (Anderson Cove): 7009A, B, D.
4-CS (Port Madison):
1/22/49-2, 3; 5122A; 5132D.
3-CS (mouth of Quartermaster
Harbor): 5042A; 5104B, H.
1-CS (mid Quartermaster Harbor):
5042D.
2-CS (off Port Madison): 5043B, C.
1-CS (Tramp Harbor): 5104A.
2-CS (off Agate Pass.):
5310.2F; 5317C.
1-CS (east of Point Monroe): 5805C.
1-CS (Murden Cove): 6818B.
1-CS (off Murden Cove): 6906I.
1-PO (off Fletcher Bay): 5413C.
1-PO (Rich Pass.): 5616.
1-PO (Seabold to Fletcher Bay):
5310.5C.
13-S (off Golden Gardens to Meadow
Point): 494B, C; 498B; 4910A;
5017C; 5033A; 5119C; 5129C, D;
5131C; 5132A; 5233D; 5314A.
4-S (off Meadow Point to Carkeek
Park): 5039C; 5041B; 5212E, F.
1-CP (south of Sandford Point):
7/18/49-1.
1-CP (off Paradise Cove to Point
Sandford): 5126N.
4-SS (off Glen Cove to off Raft and
Cutts Islands):
5101B; 5126M; 5213D; 5227B.

Radulinus asprellus

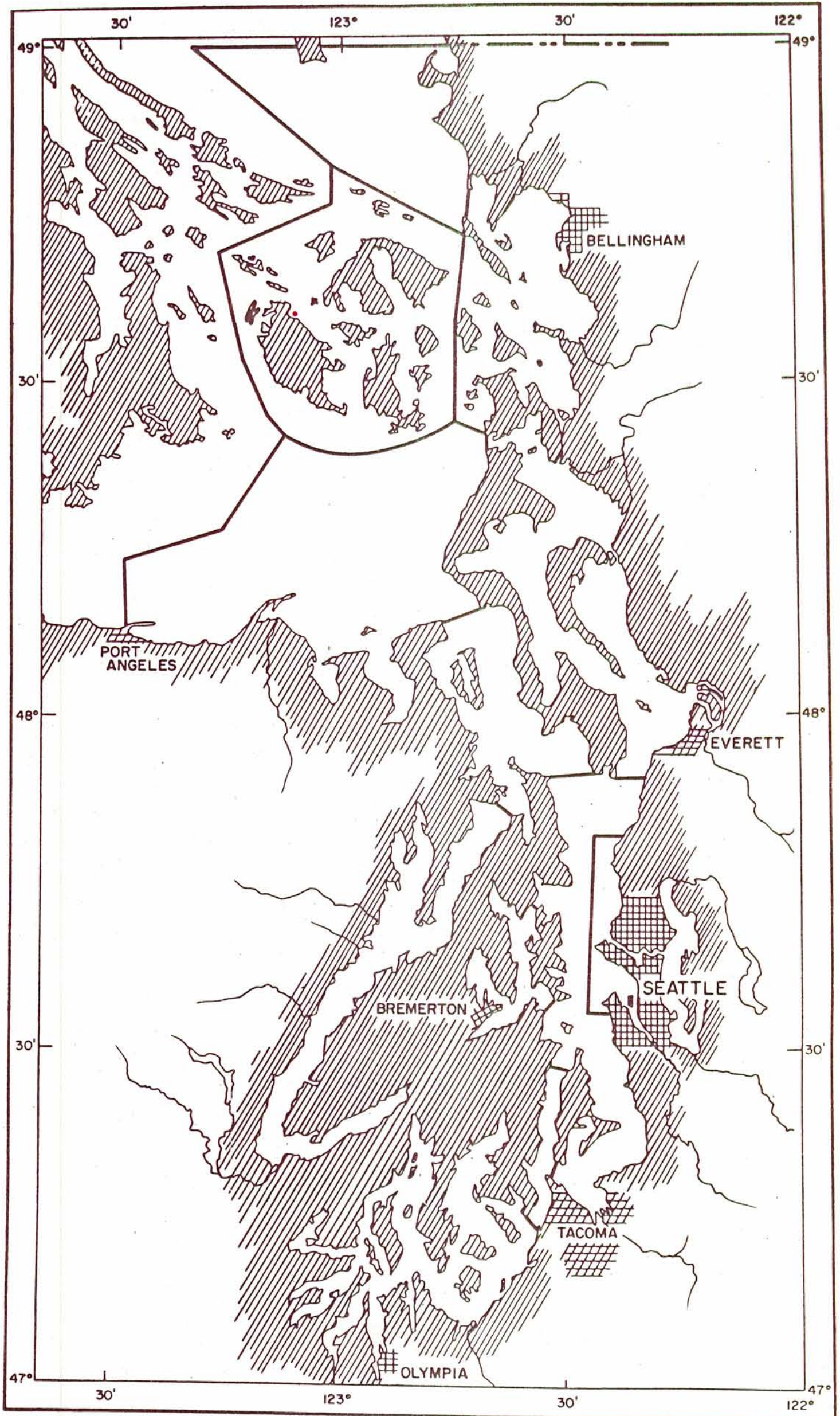
Cottidae

University of Washington Boat Log

- 4-SS (off Minter Creek to Elgin, Carr Inlet):
5135A, C, D; 5227I.
2-SS (Carr Inlet): 5522C; 5605B.
1-SS (Nisqually Reach, south of Treble Point): 5009I.
1-SS (north end of Pickering Pass.): 5009H.
1-SS (off Minter Creek, Carr Inlet): 7/19/49-1.
1-SS (off Wauna): 5104G.
1-SS (trap area, Eld Inlet): 6217-2.
1-SS (mid-channel, Glen Cove to Green Point): 6724B-1.
1-GS (north of Alden Bank): 491G.

Miscellaneous Logs

- 32-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
3-S (Meadow Point):
U.W. Ocean., 1964-67.
3-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
9-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
11-S (Golden Gardens to Meadow Point):
U.W. Ocean., Hoh, 1963-68.
6-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
2-HC (Lynch Cove; Seabeck):
U.W. Ocean., Hoh, 1963-67.
24-SS (Case Inlet, off Taylor Bay to off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
19-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
8-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
24-E (Port Susan):
U.W. Ocean., Hoh, 1963-67.
8-E (off Rocky Point to Utsalady Point):
U.W. Ocean., Hoh, 1963-67.
8-E (Saratoga Pass., off Demock Point):
U.W. Ocean., Hoh, 1963-67.
8-E (Holmes Harbor):
U.W. Ocean., Hoh, 1963-67.
1-B (Bellingham Bay):
U.W. Ocean., Hoh, S.J., 1966.
1-E (Utsalady):
U.W. Ocean., Hoh, S.J., 1966.
2-E (Port Susan):
U.W. Ocean., Hoh, S.J., 1966.
2-E (Holmes Harbor):
U.W. Ocean., Hoh, S.J., 1966.
2-HC (off Big Beef Harbor):
Sea Grant, 1972.
8-S (off northwest side of West Point): Sea Grant, 1973.
6-S (off southwest side of West Point): Sea Grant, 1973.
1-S (north of Meadow Point to Carkeek Park): Sea Grant, 1973.
6-S (southwest of Alki Point):
Sea Grant, 1973.
3-S (deep otter trawl: off southwest of Alki Point): Sea Grant, 1973.
1-HC (off southwest of Big Beef Harbor): Sea Grant, 1973.
7-SS (mid-channel, McLane Cove to Stretch Island):
Sea Grant, 1973-74.
5-HC (off Union): Sea Grant, 1973.
6-HC (mid-channel, off Union):
Sea Grant, 1973-74.
4-HC (off Skokomish River delta):
Sea Grant, 1973.
3-HC (mid-channel, off Skokomish Flats): Sea Grant, 1973-74.
1-SS (Cormorant Pass.):
Sea Grant, 73059.
1-SS (Tatsolo Point):
Sea Grant, 73059.



Radulinus boleoides

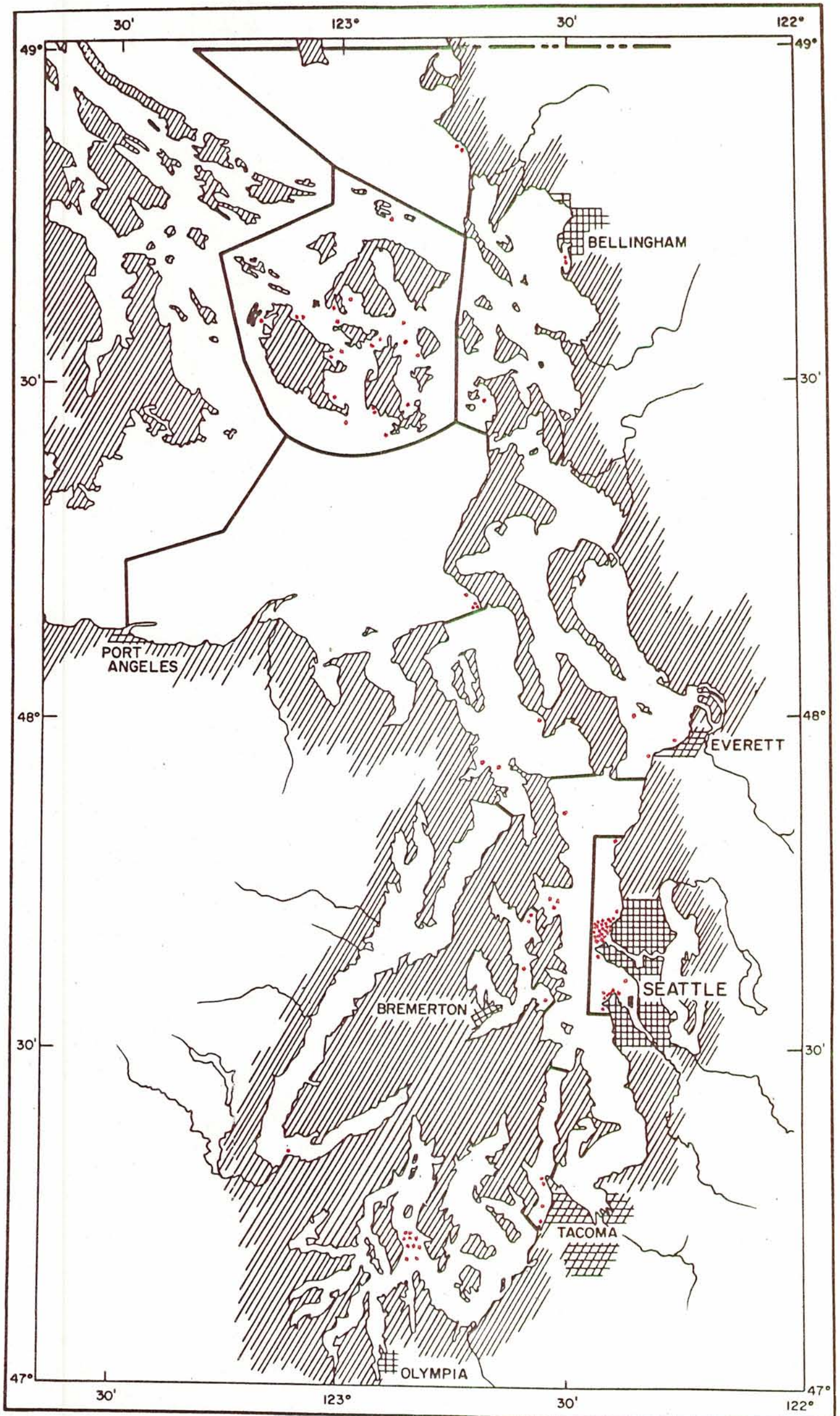
Cottidae

Published Records

1-SJ: Starks, 1911.
1-PS: Kincaid, 1919.

University of Washington
Museum Collection

1-SJ (O'Neal Island): 14318.



Rhamphocottus richardsoni

Cottidae

Published Records

- 1-PO (Orchard Point):
Jordan and Starks, 1896.
1-AI (Port Ludlow): Starks, 1896b.
3-JF (off Admiralty Head):
Evermann and Goldsborough, 1907.
1-AI (mouth of Hood Canal):
Evermann and Goldsborough, 1907.
1-SJ: Starks, 1911.
1-SJ: Shelford et al., 1935.
1-SJ (San Juan Channel, Friday
Harbor):
Wisner and Swanson, 1935.
1-E (Gedney Island): Smith, 1937.
3-S (Duwamish Head): Salo, 1969.

University of Washington
Museum Collection

- 1-SJ (Flat Point): 704.
1-SJ (near Davis Bay): 1183.
1-SJ (Deer Harbor): 1219.
1-SJ (Wasp Pass.): 1743.
1-SJ (Griffin Bay): 1744.
1-SJ (Sucia Island): 1745.
1-SJ (Rocky Bay): 2145.
1-SJ (Davis Bay): 2165.
1-SJ (Rocky Point, San Juan Island):
2210.
1-PS: 2329.
1-S (North Beach): 4685.
1-SJ: 4993.
1-CS (Port Madison, Indianola):
6128.
1-S (beach seine: Golden Gardens):
8117 (also boat 5215A).
1-S (Elliott Bay): 10216.
1-E (Everett boat house): 14241.
1-S (off Golden Gardens): 14327.
1-PO (Agate Pass.): 14340.
2-CP (off Point Defiance):
14341; 16390.
1-CP (Tacoma Narrows): 15194.
1-B (Chuckanut Bay): 18289.
1-JF (Port Townsend, Ebeyes landing):
16394.

Friday Harbor Laboratory Log

- 1-SJ (north of Hunter Cove):
6/19/50-3 (also boat 5033E).
1-SJ (Salmon Banks): 8/14/52.
1-SJ (Friday Harbor): 6/21/55-2.
1-SJ (east of Willow Island):
6/24/55-3.
1-SJ (Upright Head to Obstruction
Pass.): 8/22/55-4.
1-SJ (Upright Channel, Ogden Park):
8/22/55-8.
1-SJ (West Sound): 8/13/60-2.
1-SJ (Iceberg Point): 6/28/61-2.
1-SJ: 7/14/67.

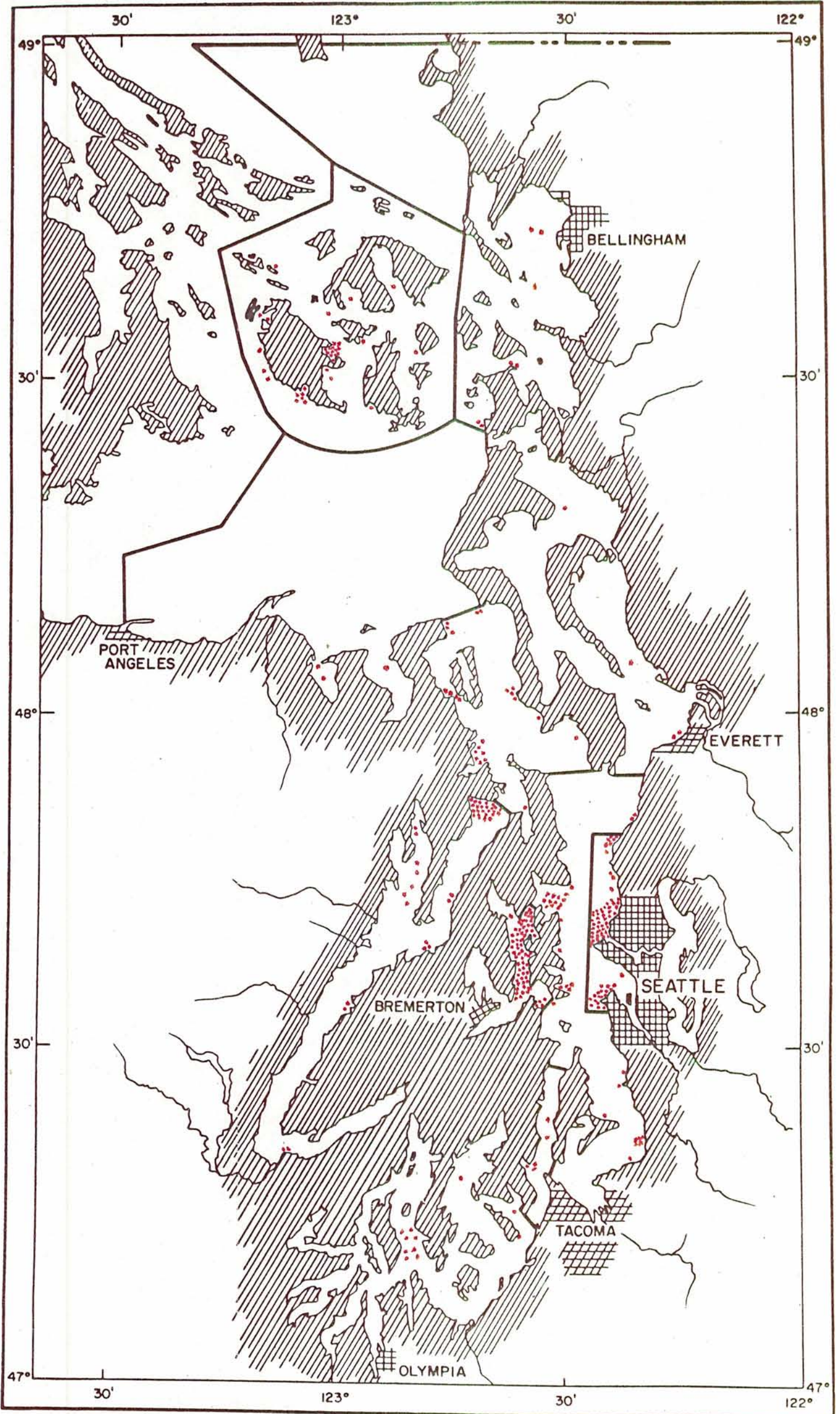
University of Washington Boat Log

- 1-SJ ("West Blakely" shoal, east of
Humphrey Head): 5033N.

- 1-B (Burrows Bay): 5033S.
1-PO (Agate Pass.): 5132C.
1-PO (Rich Pass.): 5603D.
1-S (off Meadow Point to Carkeek
Park): 4/16/49-3.
6-S (off Golden Gardens to Meadow
Point): 4/16/49-4; 494B; 5112E;
5119C; 5920A; 6018A.
2-S (beach seine: Golden Gardens to
Meadow Point): 5032.1A; 5134A.

Miscellaneous Logs

- 3-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
1-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
1-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
13-S (Golden Gardens to Meadow
Point):
U.W. Ocean., Hoh, 1963-68.
10-SS (Case Inlet, off Taylor Bay to
off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
1-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
1-CS (Pilot Point):
U.W. Ocean., Hoh, S.J., 1966.
1-B (Chuckanut Bay):
Al Milbun, Diving, 11/19/61.
1-CS (Port Madison):
Van Cleve, trap, 1961-65.
1-S (Golden Gardens): Bruce Miller,
Diving log, 5/11/63.
2-GS (south of Cherry Point):
Sea Grant, 72019.
1-S (off southwest side of West
Point): Sea Grant, 1973.
1-S (southwest of Alki Point):
Sea Grant, 1973.
1-HC (off Union): Sea Grant, 1973.
1-AI (Mutiny Bay):
Sea Grant, 73049.
1-S (Edmonds wreck):
Bill High, Diving, 1962.
1-CP (Day Island):
S.L. Ralston, Diving log, 1971.



Scorpaenichthys marmoratus

Cottidae

Published Records

- 1-PS: Jordan and Gilbert, 1882.
 1-CS (Meadowdale):
 Schultz and DeLacy, 1935-36.
 1-HC (Holly):
 Schultz and DeLacy, 1935-36.
 2-B (Bellingham Bay): Smith, 1936.
 1-JF (Sequim Bay): Smith, 1936.
 2-HC (Bangor; Dabob Bay):
 Smith, 1936.
 1-SS (Hale Pass.): Smith, 1936.
 1-S (Duwamish Head): Salo, 1969.
 1-S (Seattle): Jamison, 1966.
 1-SJ (Friday Harbor): Lloyd, 1936.
 1-SJ (Friday Harbor):
 Kohlruss, 1933.
 1-CS (Seahurst County Park):
 Miller, 1971a (also boat 7113 and
 NIH 71101).

University of Washington
Museum Collection

- 1-SJ (Squaw Bay): 559.
 1-SJ (Davis Bay): 611.
 7-S (Alki Point): 657; 749; 785;
 821; 871; 930; 1922.
 2-S (Golden Gardens): 771; 779.
 1-S (Seattle): 834.
 2-SJ (False Bay): 1268; 14302 (also
 Friday Harbor log, 8/4/52-1).
 1-SJ (False Bay reef): 1479.
 3-SJ (Friday Harbor):
 2108; 2184; 11608.
 1-CS (Redondo Beach): 5317.
 1-CS (north side of Maury Island):
 6130.
 1-PS: 6152.
 1-CS (Port Madison, Indianola):
 6167.
 2-S (beach seine: Golden Gardens):
 5772 (also bcat 5001); 5807 (also
 boat 5036A).
 1-AI (Useless Bay): 8143.
 1-SJ (north side of Johns Island,
 second bay): 14344 (also Friday
 Harbor log, 8/19/52-2).
 5-S (Alki Point):
 4332; 4484; 4884; 4888; 5134.
 4-S (North Beach):
 4497; 4631; 4644; 4694.
 2-S (beach seine: Alki Point):
 4510; 4490.
 1-S (beach seine: spit near Ballard
 Locks): 4609 and 4607.
 5-S (Edmonds):
 4940; 5287; 5448; 4480; 5500.
 1-S (Edwards Point to Point Wells):
 4982.
 1-S (Carkeek Park): 5559.
 6-S (beach seine: Golden Gardens):
 8856 (also bcat 5007D); 10169
 (also boat 5209C); 14335 (also
 boat 5129B); 15739; 2-16399 (also
 boat 5137A, B).
 1-S (beach seine: Carkeek Park):
 10200 (also boat 5225A).

- 1-S (Richmond Beach): 1174.
 1-SJ (Deadman Bay): 17949.
 1-PO (off Fletcher Bay):
 200541 (also boat 6006B).

Friday Harbor Laboratory Log

- 1-SJ (West Sound): 6/23/51.
 1-SJ (False Bay): 8/4/52-2.
 7-SJ (Friday Harbor lab):
 8/2/52; 7/30/52; 7/31/52; 8/9/52;
 7/7/52; 7/50; 7/17/50-6.
 1-SJ (east of Willow Island):
 6/24/55-3.
 1-SJ (White Point): 6/25/55-1.
 1-SJ (Garrison Bay): 6/25/55-3.
 1-SJ (outside False Bay):
 8/17/55-2.
 2-SJ (False Bay):
 7/17/50-6B; 8/5/60.
 1-SJ (North Bay): 8/18/60-2.
 1-SJ (Argyle Bay): 6/23/61.
 1-SJ (Smallpox Bay): 7/13/61.
 1-SJ (Friday Harbor lab, night
 light): 1969.

University of Washington Boat Log

- 4-HC (Dabob Bay): 7102A, H, N, P.
 2-HC (Dabob Bay, Broad Spit to Long
 Spit): 7202D, G.
 4-CS (Port Madison): 2/5/49-1;
 3/25/49-3; 6/30/49; 5131B.
 1-CS (beach seine: south of Fay
 Bainbridge State Park): 5806B.
 1-CS (Murden Cove): 6906C.
 16-PO (Agate Pass., buoy N4-N6):
 2/5/49-2, 3; 2/22/49-3, 4;
 3/25/49-1, 2; 5006A; 5048A;
 5106E; 5131A; 5132C; 5206A;
 5310.1B, .3D; .4F; 6617B.
 4-PO (south part of Agate Pass.):
 495C; 4910B; 5011C; 5207G.
 5-PO (off Fletcher Bay to south of
 Battle Point and Brownsville):
 5226B; 6100; 6106; 6111A; 6202.5.
 2-PO (off south of Fletcher Bay):
 5229C; 5413E.
 9-PO (off Manzanita to off Seabold):
 5236B; 5310.1C, .2B, .2C, .2D, .4A,
 .5B, .5E; 6215A.
 2-PO (off Battle Point and north):
 5310.1A; 5422G.
 1-PO (in Manzanita Bay): 5310.3C.
 1-PO (Point Bolin to Keyport):
 5310.4D.
 3-PO: 6007A; 6407.2; 6429.1.
 1-PO (off Seabold wharf): 6617A.
 26-S (off Golden Gardens to Meadow
 Point): 4/16/49-5; 494B; 495D;
 496C; 498A; 5007B; 5008B; 5009K;
 5011D; 5028C; 5034B; 5039D;
 5110E,F; 5127B; 5132A,B; 5203C;
 5329A,D; 5521A; 5616A; 6010B,D;
 6018A; 6112C.

Scorpaenichthys marmoratus

Cottidae

University of Washington Boat Log

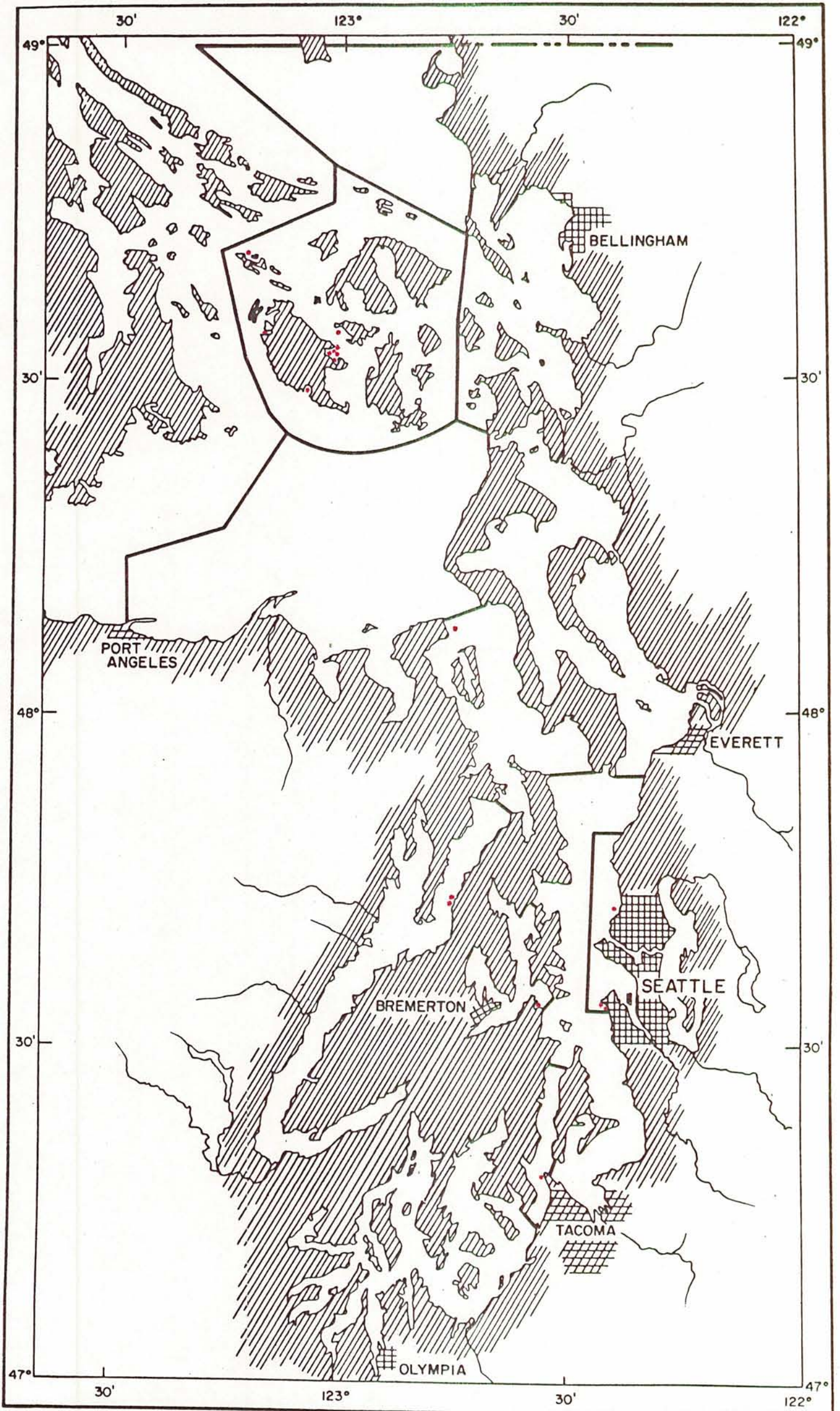
- 3-S (beach seine: Carkeek Park):
5022A; 5225B; 5708A.
- 2-S (off Meadow Point to Carkeek
Park): 5212A; 7120A.
- 1-S (Meadow Point to Richmond
Beach): 6429A.
- 29-S (beach seine: Golden Gardens to
Meadow Point): 5015A; 5021F;
5024A,C,D; 5032.1A,C; 5105A,B;
5108C; 5112G; 5114A,B,D; 5116E,
G1; 5134A; 5208A; 5215B,K; 5329E;
5424B; 5508C; 5710D; 6014B;
6207C; 6211; 6310; 6417.
- 1-E (off north of Tulalip Bay, Port
Susan): 7/1/49-2.
- 1-CP (off Camp Sealath): 5104CC.
- 1-CP (off Paradise Cove to Point
Sandford): 5126N.
- 1-HC (Anderson Cove): 7009C.
- Miscellaneous Logs
- 6-JF: Bill High, Diving, personal
communication, 10/22/63.
- 4-B (Anacortes and Rosario Head):
Bill High, Diving, personal
communication, 10/22/63.
- 3-AI (Port Townsend):
Bill High, Diving, personal
communication, 10/22/63.
- 2-AI (Hadlock): Bill High, Diving,
personal communication, 10/22/63.
- 3-AI (Indian Island bridge):
Bill High, Diving, personal
communication, 10/22/63.
- 1-AI (Port Gamble):
Bill High, Diving, personal
communication, 10/22/63.
- 1-AI (Keystone): Bill High, Diving,
personal communication, 10/22/63.
- 24-HC (Sisters Rock and near Hood
Canal bridge):
Bill High, Diving, personal
communication, 10/22/63.
- 1-HC: Bill High, Diving, personal
communication, 10/22/63.
- 3-CS (Blakely Rock):
Bill High, Diving, personal
communication, 10/22/63.
- 7-CS (Salt Water State Park):
Bill High, Diving, personal
communication, 10/22/63.
- 1-SS (Fox Island):
Bill High, Diving, personal
communication, 10/22/63.
- 7-AI (Port Ludlow):
Bill High, Diving, personal
communication, 10/22/63.
- 1-S (Richmond Beach): A.C. DeLacy,
personal communication, 1956.
- 1-S (Alki Point): A.C. DeLacy,
personal communication, 1957.
- 1-PO (near southwest end of
Bainbridge Island): A.C. DeLacy,
personal communication, 1959.
- 1-E (Skagit and Similk Bays):
WSDF, Sport Fish., 1965-70.
- 4-AI (off Bush Point):
WSDF, Sport Fish., 1965-70.
- 2-HC: WSDF, Sport Fish., 1965-70.
- 2-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
- 2-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
- 30-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
- 13-S (Golden Gardens to Meadow
Point):
U.W. Ocean., Hoh, 1963-68.
- 8-PO (south and north of Fletcher
Bay): U.W. Ocean., Hoh, 1963-67.
- 8-SS (Case Inlet, off Taylor Bay to
off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
- 1-SS (Carr Inlet, off Horsehead
Bay): U.W. Ocean., Hoh, 1963-67.
- 7-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
- 1-JF (Port Discovery):
U.W. Ocean., Hoh, S.J., 1966.
- 1-B (Eliza Rock):
Al Milbun, Diving, 3/25/61.
- 1-SJ (East Sound, south of Rosario
Point): NIH, 1964-66.
- 4-S (Golden Gardens to Carkeek
Park): NIH, 1968-71.
- 1-JF (Sequim Bay):
Battelle, 1967-69.
- 1-S (Edmonds ferry): Bruce Miller,
Diving Log, 10/11/64.
- 1-SJ (McDonald Island): Bruce
Miller, Diving Log, 8/15/65.
- 1-SJ (Edwards Reef, west-central San
Juan Island): Bruce Miller,
Diving log, 8/16/66.
- 1-CS (Point Pully): Bruce Miller,
Diving log, 5/10/68.
- 1-S (Alki Point): Bruce Miller,
Diving log, 5/17/68.
- 1-CS (Port Blakely): Bruce Miller,
Diving log, 5/24/68.
- 1-PO (Fletcher Bay): Bruce Miller,
Diving log, 6/25/69-2.
- 1-PO (Orchard Rocks): Bruce Miller,
Diving log, 6/25/69.
- 3-PO (Clam Bay):
Bruce Miller, Diving log,
6/12/70; 7/1/70; 9/4/70.
- 2-S (Golden Gardens): S.L. Ralston,
Diving log, 1971.
- 1-S (south of Carkeek Park):
Sea Grant, 3/17/71.
- 1-CP (beach seine: Gig Harbor spit):
Sea Grant, 72003 (also boat
7208).
- 1-CP (off Gig Harbor spit): Sea
Grant, 72003 (also boat 7208).
- 1-CP (in Gig Harbor): Sea Grant,
72003 (also boat 7208).
- 1-AI (beach seine: Mutiny Bay launch
ramp): Sea Grant, 72011.

Scorpaenichthys marmoratus

Cottidae

Miscellaneous Logs

- 1-S (southwest of Alki Point):
Sea Grant, 1973.
- 3-HC (off southwest of Big Beef Harbor): Sea Grant, 1973.
- 2-HC (off Union):
Sea Grant, 1973-74.
- 1-HC (Bangor Annex): Kramer, Chin,
and Mayo NCEL Survey, 1973.
- 1-AI (Admiralty Head):
Doug Olander, Sport Catch log,
1972-73.
- 1-CS (Jefferson Head):
Bill High, Diving, 2/22/74.
- 1-S (Carkeek Park):
Bill High, Diving, 1/74.



Synchirus gilli

Cottidae

Published Records

- 1-SJ (Friday Harbor dock):
Walker, 1953.
- 1-SJ (Brown Island, in kelp):
Walker, 1953.
- 1-AI (Port Townsend):
Evermann and Goldsborough, 1907.
- 1-SJ (Friday Harbor): Chapman and
DeLacy, 1933 (also museum 2185).
- 1-SJ (False Bay):
Schultz, 1930 (also museum 1338).

University of Washington
Museum Collection

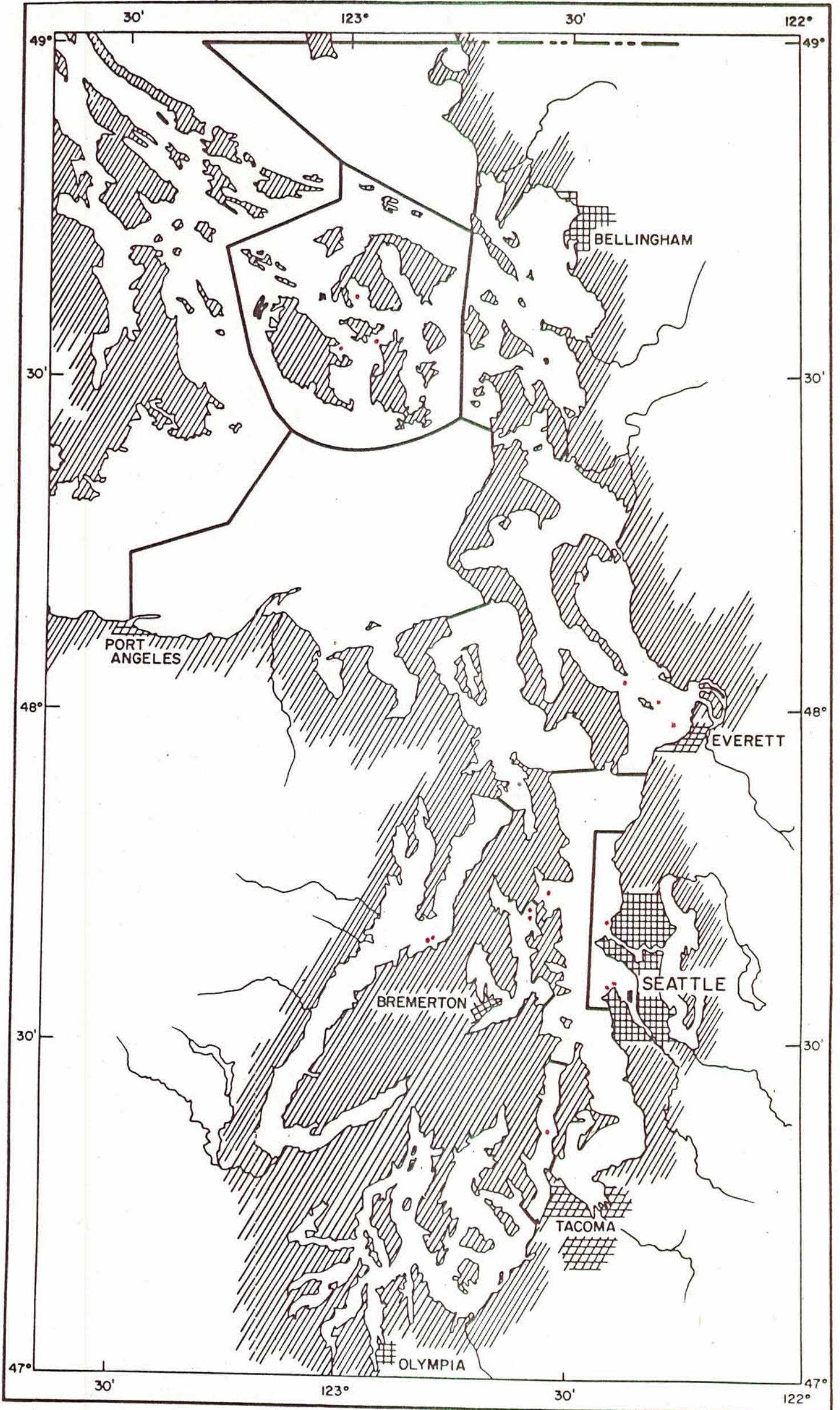
- 1-S (North Beach): 5038.
- 1-SJ (Prevost Harbor): 10451 (also
Friday Harbor log, 8/19/52).
- 1-CP (Point Defiance dock): 14253.
- 1-S (West Seattle): 15519.

Friday Harbor Laboratory Log

- 1-SJ (south of Neck Point):
8/14/50-1.
- 1-SJ (Mitchell Bay): 8/16/60-1.
- 1-SJ (Friday Harbor lab, night
light): 6/26/69.
- 1-SJ (Brown Island): 8/19/69-1.

Miscellaneous Logs

- 1-PO (Clam Bay, in floating salmon
pen): A.C. DeLacy, personal
communication, 2/6/73.
- 1-S (southwest of Alki Point):
Sea Grant, 1973.
- 2-HC (Bangor Annex): Kramer, Chin,
and Mayo NCEL Survey, 1973.



Triglops macellus

Cottidae

Published Records

- 1-PS: Starks, 1911.
 1-PS: Kincaid, 1919.
 1-SJ (Flat Point): Chapman and
 DeLacy, 1933 (also museum 2217).
 1-E (Saratoga Pass., Camano Head):
 Chapman and DeLacy, 1933 (also
 museum 2545).
 1-S (Duwamish Head): Salo, 1969.

University of Washington
Museum Collection

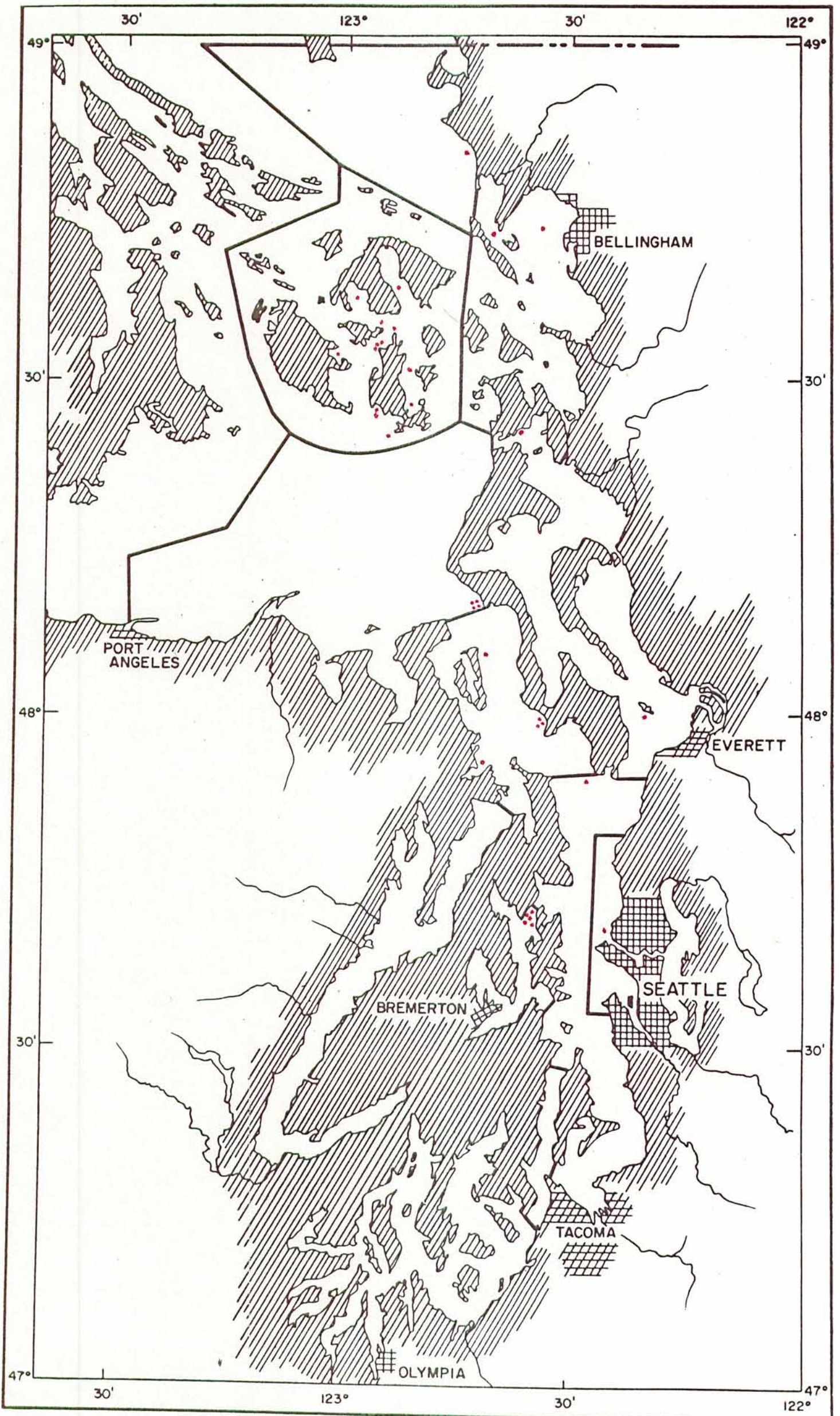
- 1-E (east of Gedney Island): 2562.
 1-E (off Everett): 2942.
 1-SJ (Friday Harbor): 3053.
 1-CP (off Camp Sealth):
 7342 (also boat 5104CC).

University of Washington Boat Log

- 1-S (off Golden Gardens): 497E.
 1-PO (Agate Pass, buoy N5-N6):
 5048A.
 1-PO (Agate Pass.): 5132C.
 1-CS (Port Madison, near Agate
 Pass): 5317C.

Miscellaneous Logs

- 1-S (Duwamish Head to Alki Point):
 U.W. Ocean., 1964-67.
 1-SJ (West Sound):
 U.W. Ocean., Hoh, S.J., 1966.
 2-HC (off Big Beef Harbor):
 Sea Grant, 1973.



Triglops pingeli

Cottidae

Published Records

- 4-JF (off Admiralty Head):
Evermann and Goldsborough, 1907.
1-AI (Port Ludlow): Starks, 1896b.

University of Washington
Museum Collection

- 1-PS (Whatcom County): 74.
2-SJ (Flat Point): 684; 701.
1-SJ (near Davis Bay): 1182.
1-SJ (Flat Point to Canoe Island):
1763.
1-SJ (Davis Bay): 2166.
1-SJ (Harney Channel): 2254.
1-SJ (Friday Harbor): 3054.
1-E (near Dewey): 4532.
1-CS (Possession Point to Point No
Point): 5570.
1-S (off Golden Gardens):
5738 (also boat 497E).
1-B (Hale Pass.):
5997 (also boat 491I).
2-PO (Agate Pass., buoy N4-N6):
6025; 7330.
1-SJ (Lopez Sound, south of Spencer
Spit): 6038.
1-E (near Gedney Island): 11184.
1-SJ (East Sound): 16398.
1-SJ (Upright Head): 16401 (also
Friday Harbor log, 8/2/52).

Friday Harbor Laboratory Log

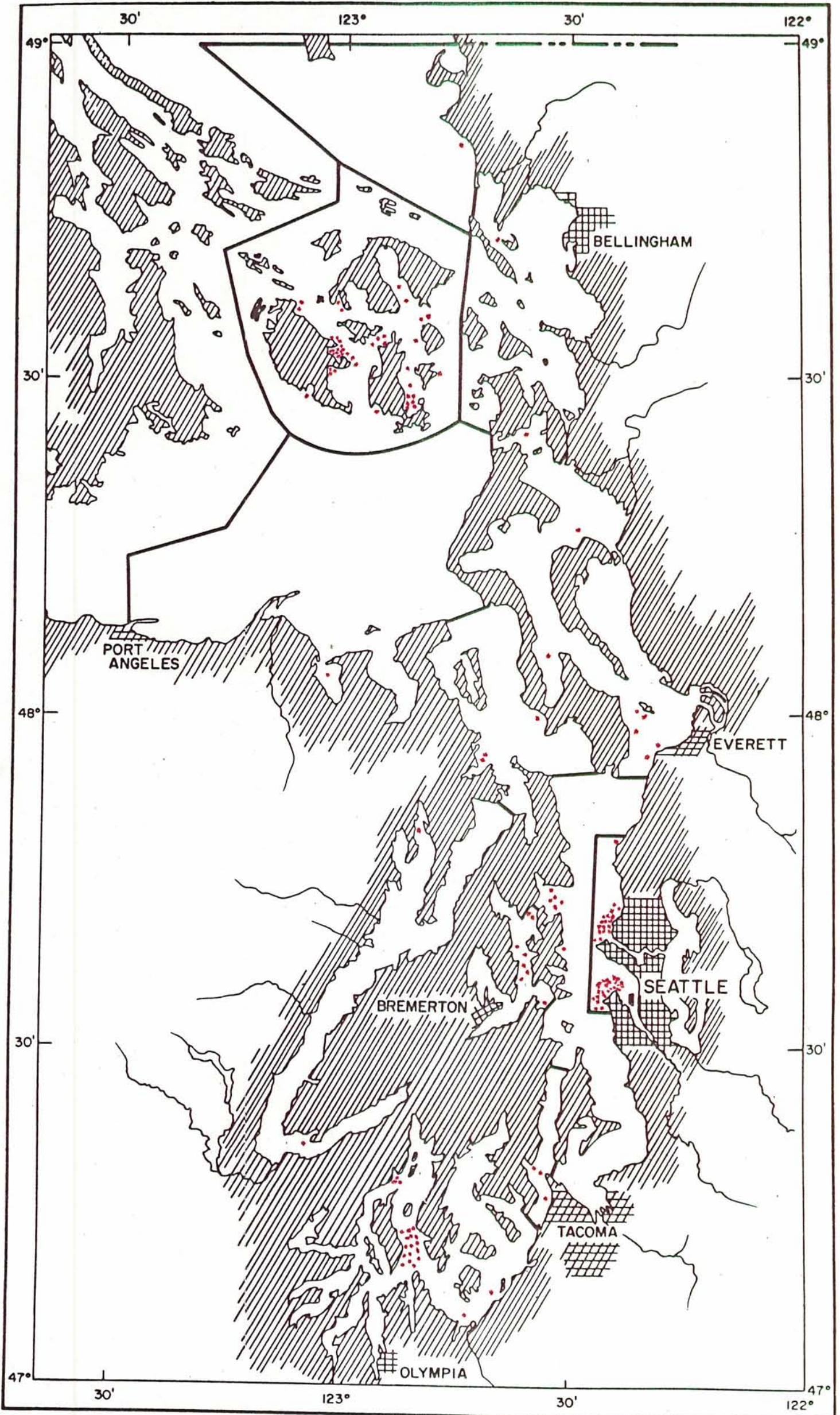
- 1-SJ (north of Hunter Bay):
6/19/50-5.
1-SJ (off Iceberg Point):
7/22/52-1.
1-SJ (West Sound): 7/26/60-2.

University of Washington Boat Log

- 2-PO (Agate Pass.): 495C; 5132C.
1-PO (south part of Agate Pass.):
4910B.
1-AI (training cruise area: east of
north Marrowstone Island):
6614J.

Miscellaneous Logs

- 3-AI (Mutiny Bay):
Sea Grant, 73049.
1-B (Bellingham Bay, mid-channel,
off Nooksack Flats):
Sea Grant, 72035.
1-GS (south of Cherry Point):
Sea Grant, 72039.



Agonopsis emmelane

Agonidae

Published Record

- 1-PO (Orchard Point):
Jordan and Starks, 1896.
1-AI (Port Ludlow): Starks, 1896b.
1-AI (northwest of Tala Point):
Evermann and Goldsborough, 1907.
1-SJ: Starks, 1911.
1-JF (Sequim Bay): Smith, 1936.
2-E (Gedney Island): Smith, 1937.
1-E (Columbia Beach): Smith, 1937.
10-S (Duwamish Head): Salo, 1969.

University of Washington
Museum Collection

- 1-PS (Whatcom County): 76.
2-SJ (Deer Harbor): 808; 1223.
1-E (Utsalady): 861.
7-SJ (Friday Harbor): 993; 2095;
2187; 4798; 11731; 14141; 14143.
1-SJ (near Peavine Pass.): 1201.
1-SJ (San Juan Channel): 1238.
1-SJ (northeast side of San Juan
Island): 1299.
3-SJ (Orcas Island):
1320; 5359; 11729.
1-SJ (Peavine Pass.): 1333.
1-SJ (False Bay reef): 1480.
1-SJ (Flat Point to Canoe Island):
1758.
1-SJ (O'Neal Island): 1759.
1-E (Mukilteo): 4244 and 4314.
1-S (North Beach): 4688.
1-E (near Dewey): 5332.
1-CS (Port Madiscn, Indianola):
6168.
1-CS (Port Madiscn): 7344.
1-CP (Point Defiance): 11734.
1-CP (Tacoma Narrows): 15197.
1-HC (Tahuya): 56.
1-SJ (Davis Bay): 637.
1-SJ (west shore of Blakely Island):
2117.
1-SJ (Brown Island): 2135.
1-S (Edmonds Beach): 5453.
1-PO (Agate Pass., buoy N4-N6):
5963 (also boat 3/25/49).
1-SJ (San Juan Island): 6210.
1-SJ (East Sound): 17058 (also
Friday Harbor log, 6/20/63).

Friday Harbor Laboratory Log

- 10-SJ (Friday Harbor lab):
7/30/52; 7/31/52; 8/1/52; 8/2/52;
7/6/52; 7/30/55; 7/50; 8/4/61-2;
7/11/67-2; 7/12/69-2.
3-SJ (Lopez Sound):
7/28/55-1; 7/8/69-2; 7/6/60-1.
1-SJ (East Sound entrance):
7/28/55-2.
3-SJ (Argyle Bay):
8/16/55-3; 8/11/60-4; 7/15/63.
1-SJ (Upright Channel, Ogden Park):
8/22/55-8.
2-SJ (north of Hunter Cove):
6/19/50-3, 5 (also boat 5033E,G).

- 1-SJ (north of Flat Point):
6/20/50-1 (also boat 5033K).
1-SJ (West Sound and Lopez Sound):
6/27/60.
1-SJ (Upright Channel): 7/2/69-2.
1-SJ (Dacatur Head): 7/7/61.
1-SJ: 7/14/67.

University of Washington Boat Log

- 1-SJ (Lopez Sound, west of Ram
Island): 5033R.
2-SJ (training cruise area: Lopez
Sound, southwest of Center
Island): 7017I; 7307I.
5-S (off Golden Gardens to Meadow
Point): 5034D; 5039D; 5110B;
5119H; 5329C.
1-B (Hale Pass): 491I.
1-S (off Carkeek Park): 5039E.
1-PO (Agate Pass., buoy N5-N6):
5048A.
1-HC (Dabob Bay, Broad Spit to Long
Spit): 6702D.
1-CS (Murden Cove): 6713H.

Miscellaneous Logs

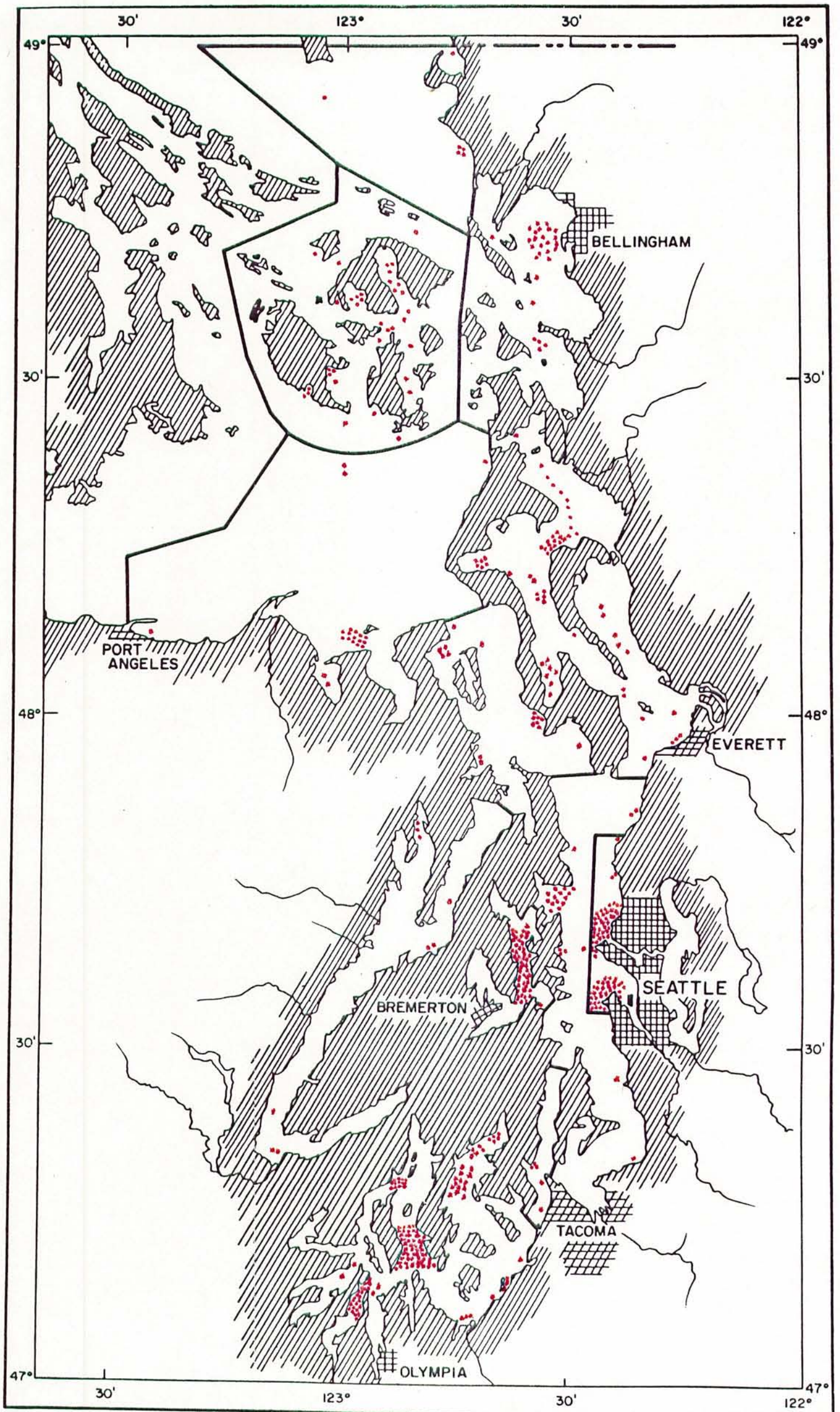
- 16-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
1-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
2-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
12-S (Golden Gardens to Meadow
Point):
U.W. Ocean., Hoh, 1963-68.
3-PO (south and north of Fletcher
Bay): U.W. Ocean., Hoh, 1963-67.
17-SS (Case Inlet, off Taylor Bay to
off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
2-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
1-E (Holmes Harbor):
U.W. Ocean., Hoh, 1963-67.
1-S (Golden Gardens to Carkeek
Park): NIH, 1968-71.
1-CS (Port Madison):
Van Cleve, trap, 1961-65.
1-CP (beach seine: Gig Harbor spit):
Sea Grant, 72003 (also boat
7208).
1-GS (south of Cherry Point):
Sea Grant, 72019.
2-S (off northwest side of West
Point): Sea Grant, 1973.
2-S (off southwest side of West
Point): Sea Grant, 1973.
1-S (north of Meadow Point to
Carkeek Park): Sea Grant, 1973.
2-S (southwest of Alki Point):
Sea Grant, 1973.
1-SS (off Nisqually-McAllister Creek
delta): Sea Grant, 1973.

Agonopsis emmelane

Agonidae

Miscellaneous Logs

- 1-SS (McLane Cove toward Stretch
Island): Sea Grant, 1974.
- 3-SS (mid-channel, McLane Cove to
Stretch Island):
Sea Grant, 1973.
- 1-SS (Tatsolo Point):
Sea Grant, 73059.
- 1-AI (beach seine, Mutiny Bay launch
ramp): Sea Grant, 72033.



Agonus acipenserinus

Agonidae

Published Records

- 1-GS (Semiahmoo Bay, Blaine):
Gill, 1862.
1-SJ: Gunther, 1860.
1-AI (Port Townsend):
Steindachner, 1877.
1-SS (Fort Steilacoom):
Steindachner, 1877.
1-PS: Jordan and Starks, 1896.
1-AI (Port Ludlow): Starks, 1896b.
1-JF (in Port Angeles Harbor):
Meek, 1899.
2-AI (Port Ludlow; Marrowstone
Point):
Evermann and Goldsborough, 1907.
1-SJ: Starks, 1911.
4-B (Bellingham Bay): Smith, 1936.
4-E (Coupeville): Smith, 1936.
1-JF (Sequim Bay): Smith, 1936.
1-HC (Bangor): Smith, 1936.
1-SS (Carr Inlet):
Smith, 1936 (also museum 4537).
1-SS (Dofflemeyer Point):
Smith, 1937.
2-CS (north of Point Pully;
Meadowdale): Smith, 1937.
1-HC (Hoodsport): Smith, 1937.
2-E (Camano; Gedney Island):
Smith, 1937.
1-E (Skagit and Similk Bays):
Stober and Salo, 1970a.
27-S (Duwamish Head): Salo, 1969.
6-E (Skagit Bay): Salo, 1969.
3-CS (beach seine: south side of
Point Jefferson): Kendall, 1966.

University of Washington
Museum Collection

- 1-PS (Whatcom County): 73.
1-PS: 204.
3-S (Alki Point): 787; 4506; 4518.
1-SJ (near Davis Bay): 1186.
1-SJ (Deer Harbor): 1225.
1-SJ (Harney Channel): 2255.
1-E (Saratoga Pass., Camano Head):
2538.
1-E (off the Snohomish River):
2630.
1-E (Saratoga Pass., Sandy Point):
2659 1/2.
1-E (Mukilteo): 4216.
1-AI (Useless Bay): 4421.
3-S (Golden Gardens):
4522; 16751; 17976.
1-E (near Dewey): 4533.
1-B (Bellingham Bay): 4535.
1-S (North Beach): 4641.
1-S (south of Richmond Beach):
4725.
1-GS (six miles south of Point
Roberts): 5638.
1-CS (beach seine: Redondo Beach):
4727.
1-S (Edmonds Beach): 5465.
1-S (Richmond Beach): 5585.

- 1-SS (off Budd Inlet):
5663 (also boat 7/20/49-4).
5-S (beach seine: Golden Gardens):
5771 (also boat 5001); 5938 (also
boat 5032.1B); 6088 (also boat
5047B); 14144 (also boat 5208D);
16391.
1-CS (Indianola, Port Madison):
6169.
1-SS (Totten Inlet): 14128.
1-CP (Point Defiance): 14157.
1-CP (Tacoma Narrows): 15200.
3-S (off Golden Gardens): 5840
(also boat 496C); 6075 (also boat
5029C); 8141 (also boat 5131C).
1-S (one mile south of Alki Point):
6050.
1-SJ (False Bay): 14182.
1-SJ (East Sound): 17060 (also
Friday Harbor log, 6/20/63).
1-B (Saddlebag Island): 16691.

Friday Harbor Laboratory Log

- 2-SJ (Lopez Sound and East Sound):
7/1/52; 7/11/63.
1-SJ (Salmon Banks): 7/7/52-3.
1-SJ (Upright Head): 8/2/52.
2-SJ (False Bay):
8/4/52-1; 6/29/61.
1-SJ (Upright Channel at Ogden
Park): 8/22/55-8.
1-SJ (Cowlitz Bay): 8/25/55-1.
1-SJ (Upright Head to Olga):
8/1/60.
1-SJ (off Upright Head): 6/24/55-2.
2-JF (west of McArthur Bank):
8/8/60; 7/8/69-1.
3-SJ (Argyle Bay):
8/11/60-3, 4; 7/12/61-4.
1-SJ (North Bay): 8/18/60-1.
1-SJ (Presidents Channel): 8/20/60.
1-SJ (mid East Sound): 1/17/64.
2-SJ (West Sound):
6/26/61; 6/20/69-2.
1-SJ (south of Lopez Island):
6/27/63-A.
1-SJ (Lopez Sound): 6/21/71-2.

University of Washington Boat Log

- 1-SJ (Puffin Island to Orcas
Island): 491E.
3-SJ (training cruise area: East
Sound, north of Rosario Point):
6603H; 6914H; 7017H.
1-SJ (training cruise area: Lopez
Sound, southwest of Center
Island): 7017I.
1-B (Hale Pass.): 491I.
1-B (east of Vendovi Island): 491K.
7-B (training cruise area: southwest
of Post Point):
6630G; 6815G; 6603G; 6614G;
7118G; 7307G; 7313G.

Agonus aripenserinus

Agonidae

University of Washington Boat LogMiscellaneous Logs

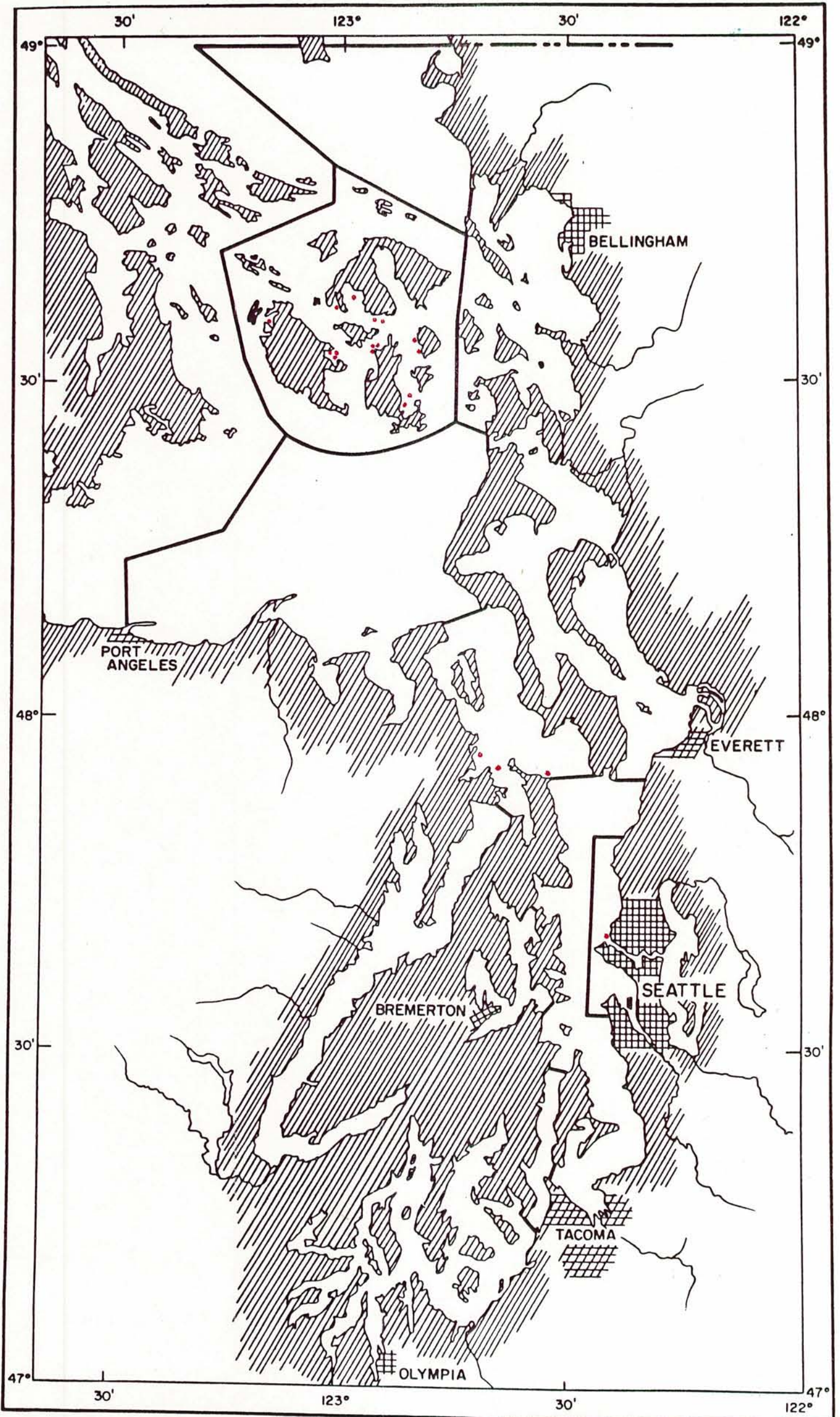
- 2-E (Holmes Harbor): 5305L; 5613Q.
 1-E (Holmes Harbor, Rocky Point to Dines Point): 5307C.
 1-E (Holmes Harbor, south of Classic): 5307F.
 1-E (Penn Cove, off Coupeville to Lovejoy Point): 5316J.
 1-E (Penn Cove): 5405K.
 4-E (Saratoga Pass., Onamac Point to Indian Beach): 5405L,M,N; 5418L.
 2-E (Saratoga Pass., Onamac Point to Snatelum Point): 5418H; 5712C.
 1-E (Holmes Harbor or Penn Cove): 6117F.
 1-E (north of Kayak Point to off Tulalip): 7112.
 1-E (Elger Bay): 7112.
 3-HC (Dabob Bay, Broad Spit to Long Spit): 6724A; 6702D,F.
 1-CS (Port Madison): 5122A.
 1-CS (off Indianola): 5043A.
 1-CS (off West Point): 7017Y.
 2-CS (Murden Cove): 6610B; 6823-3.
 1-CS (off Murden Cove): 6710C.
 3-PO (off Manzanita to off Seabold): 5310.2B, .4B; 6215A.
 14-PO (off Fletcher Bay to south of Battle Point and Brownsville): 5310.3B; 5402X; 5413A; 5707A,B,G; 5709C; 5915B; 6001AN; 6016B1,A4, B5; 6507K; 6707.
 6-PO (most off Fletcher Bay): 6007A; 6214; 7011A; 7105-2; 7107A,B.
 2-PO (between "B-2" and "B-1"): 6205C1,C3.
 2-PO (beach seine: one mile north of Illahee Dock): 6205A3.1, .2.
 19-S (beach seine: Golden Gardens to Meadow Point): 5007D; 5047A,C; 5105A; 5114A,B; 5134A,B; 5137A,B; 5209D; 5215K; 5415J; 5920N; 3-6310; 6518A,B.
 9-S (off Golden Gardens to Meadow Point): 5112C; 5119C; 5132A; 5329D; 5512G; 5607B; 5907D; 5920B,E.
 1-S (beach seine: north side of West Point): 7311.
 4-S (off Meadow Point to Carkeek Park): 5212B,D; 5606A; 6510B.
 1-S (beach seine: Alki Point to Duwamish Head): 6619P.
 5-SS (Carr Inlet, off Wauna): 5037I; 5104E,F; 5227A,C.
 5-SS (off Minter Creek to Elgin): 5045J; 5102C; 5104I; 5135A,D.
 4-SS (off Glen Cove to Cutts and Raft Islands, Carr Inlet): 5101B; 5104Y; 5126M; 5213D.
 1-SS (Totten Inlet, off Windy Point to Steamboat Island): 5115D.
 2-SS (Carr Inlet): 5522C; 5605B.
 5-SS (Eld Inlet, trap area, one mile northeast of Flapjack Point): 6208A; 6217-2,3; 6219-1,2.
- 36-S (Duwamish Head to Alki Point): U.W. Ocean., 1964-67.
 3-E (Port Gardner Bay): U.W. Ocean., P.G., 1962-67.
 50+-PO (south of Fletcher Bay): U.W. Ocean., P.O., 1964-65.
 20-S (Golden Gardens to Meadow Point): U.W. Ocean., Hoh, 1963-68.
 25-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
 50+-SS (Case Inlet, off Taylor Bay to off Whiteman Cove): U.W. Ocean., Hoh, 1963-67.
 7-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
 13-CS (Port Madison): U.W. Ocean., Hoh, 1963-68.
 14-E (off Demock Point to Utsalady Point): U.W. Ocean., Hoh, 1963-67.
 4-E (Port Susan): U.W. Ocean., Hoh, 1963-67.
 1-E (Holmes Harbor): U.W. Ocean., Hoh, 1963-67.
 1-PO (south of Fletcher Bay): U.W. Ocean., herring trawl, 1968-69.
 1-CS (Apple Cove Point): U.W. Ocean., Hoh, S.J., 1966.
 4-AI (Port Townsend Bay): U.W. Ocean., Hoh, S.J., 1966.
 3-B (Padilla Bay, near William Point; Bellingham Bay; Lummi Bay): U.W. Ocean., Hoh, S.J., 1966.
 3-SJ (West Sound): U.W. Ocean., Hoh, S.J., 1966.
 1-SJ (East Sound): U.W. Ocean., Hoh, S.J., 1966.
 2-E (Utsalady): U.W. Ocean., Hoh, S.J., 1966.
 1-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
 2-B (Bellingham Bay, off Nooksack River to Marine Drive): NIH, 1968-71.
 3-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
 1-S (Duwamish Head to Alki Point): NIH, 1968-71.
 1-PO (Clam Bay): NIH, 1968-71.
 2-CS (Port Madison): Van Cleve, trap, 1961-65.
 1-PO (off Fletcher Bay): Van Cleve, trap, 1961-65.
 38-SS (Eld Inlet entrance): Van Cleve, trap, 1961-65.
 2-E (Holmes Harbor): Van Cleve, trap, 1961-65.
 1-E (Saratoga Pass., west side, just south of Penn Cove): Van Cleve, trap, 1961-65.
 1-JF (Sequim Bay): Battelle, 1967-69.
 18-JF (west of Protection Island): NMFS, Cobb, 2/28/73.

Agonus acipenserinus

Agonidae

Miscellaneous Logs

- 3-S (Golden Gardens):
S.L. Ralston, Diving Log, 1971.
- 2-CP (beach seine: Gig Harbor spit):
Sea Grant, 72003 (also boat
7208).
- 1-CP (off Gig Harbor spit): Sea
Grant, 72003 (also boat 7208).
- 4-GS (south of Cherry Point):
Sea Grant, 1973.
- 4-AI (beach seine: Mutiny Bay launch
ramp): Sea Grant, 1973.
- 1-JF (beach seine: West Beach):
Sea Grant, 72017.
- 3-SS (off Nisqually River-McAllister
Creek flats): Sea Grant, 1973.
- 2-HC (off Big Beef Harbor):
Sea Grant, 1973.
- 1-S (beach seine: Golden Gardens):
Sea Grant, 72032.
- 3-B (Bellingham Eay, mid-channel,
off Nooksack flats):
Sea Grant, 72035.
- 1-B (Bellingham Eay, east of Eliza
Island): Sea Grant, 72035.
- 19-S (beach seine: north side of
West Point): Sea Grant, 1973.
- 1-S (beach seine: south side of
West Point): Sea Grant, 1973.
- 1-CS (beach seine: north of
Meadowdale at Lunds Gulch):
Sea Grant, 73002.
- 4-S (off northwest side of West
Point): Sea Grant, 1973.
- 2-S (off southwest side of West
Point): Sea Grant, 1973.
- 2-S (north of Meadow Point to
Carkeek Park): Sea Grant, 1973.
- 7-S (southwest of Alki Point):
Sea Grant, 1973.
- 3-S (off southwest of Alki Point,
deep otter trawl):
Sea Grant, 1973.
- 3-PO (off south of Fletcher Bay):
Sea Grant, 73008.
- 2-B (Bellingham Bay, off Nooksack
Flats): Sea Grant, 73032.
- 1-SS (west side of Dougall Point):
Sea Grant, 1973.
- 11-SS (mid-channel, McLane Cove to
Stretch Island):
Sea Grant, 1973-74.
- 2-HC (off Skokomish Flats):
Sea Grant, 1973.
- 3-AI (Mutiny Bay):
Sea Grant, 73049.
- 3-SS (Cormorant Pass.):
Sea Grant, 73059 and 73060.
- 1-SS (Tatsolo Point):
Sea Grant, 73059.
- 2-B (northern Bellingham Bay):
Sea Grant, 72004.



Anoplagonus inermis

Agonidae

Published Records

- 1-AI (Port Ludlow): Starks, 1896b.
 1-AI (mouth of Hood Canal):
 Evermann and Goldsborough, 1907.
 1-SJ: Starks, 1911.
 1-PS: Kincaid, 1919.

University of Washington
Museum Collection

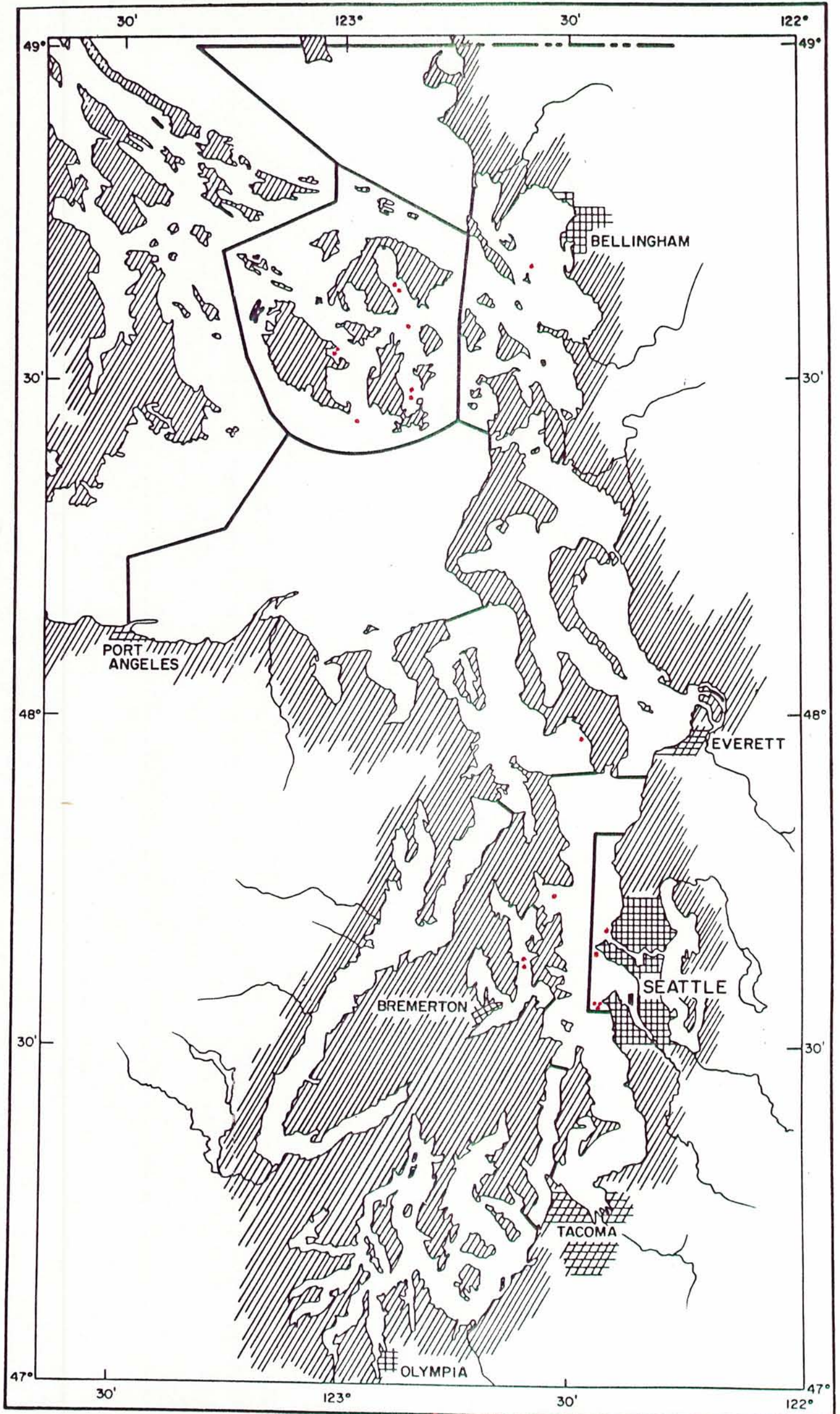
- 1-PS (Whatcom County): 75.
 1-SJ (Friday Harbor): 991.
 1-SJ (Deer Harbor): 1226.
 1-SJ (Harney Channel): 1756.
 1-SJ (Flat Point to Canoe Island):
 1757.
 1-SJ (west shore of Blakely Island):
 2119.
 1-S (beach seine: spit near Ballard
 Locks): 4619.
 1-AI (Point No Point): 11723.
 1-SJ (West Sound): 14185.
 2-SJ (Flat Point): 2086; 2274.
 1-SJ (Harney Channel): 2257.

Friday Harbor Laboratory Log

- 1-SJ (Friday Harbor lab, night
 light): 7/31/69.
 1-SJ (Friday Harbor): 6/21/55-1.
 1-SJ (east of Willow Island):
 6/24/55-3.
 1-SJ (Garrison Bay): 6/25/55-3.
 1-SJ (north of Hunter Bay):
 6/19/50-5 (also boat 5033G).

University of Washington Boat Log

- 1-SJ (training cruise area: Lopez
 Sound, southwest of Center
 Island): 7017I.



Asterotheca alascana

Agonidae

Published Records

- 1-SJ: Miles, 1918.
 1-PS: Kincaid, 1919.
 1-SJ: Shelford et al., 1935.

University of Washington
Museum Collection

- 2-SJ (East Sound): 2290; 17074.
 1-SJ (Friday Harbor): 2297.
 1-AI (Useless Bay): 4420.
 1-SJ (west of Ram Island):
 5753 (also boat 491P).
 1-SJ (Friday Harbor lab): 14187
 (also Friday Harbor log, 8/1/52).
 1-B (east northeast of Vendovi
 Island): 14192.

Friday Harbor Laboratory Log

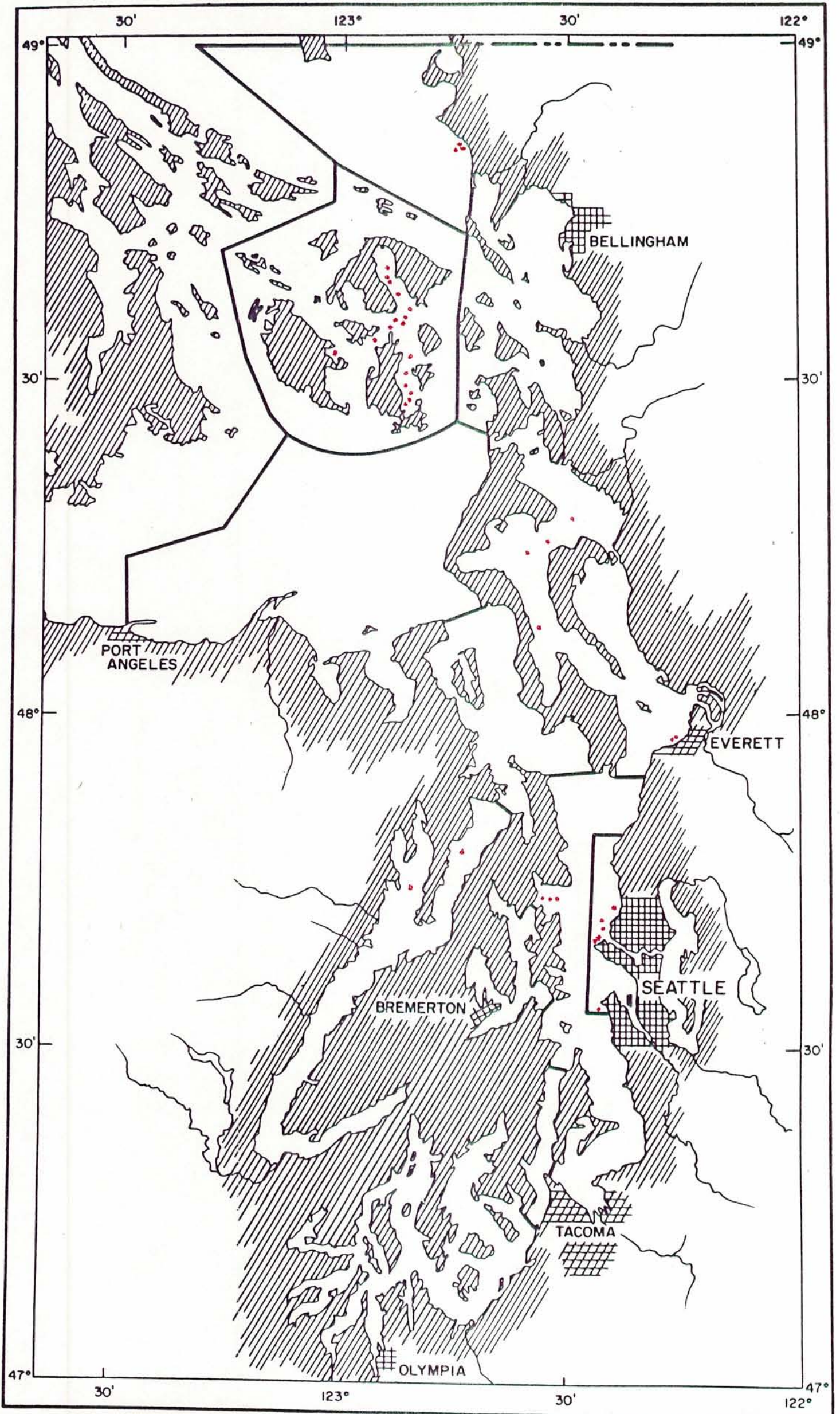
- 1-SJ (Lopez Sound and East Sound):
 7/1/52.
 1-SJ (southeast of Cattle Point):
 8/3/55-2.

University of Washington Boat Log

- 1-PO (off Fletcher Bay): 5317A.
 1-PO (probably near Fletcher Bay):
 6007A.
 1-S (off Golden Gardens): 5129C.
 1-SJ (training cruise area: Lopez
 Sound, southwest of Center
 Island): 7307I.

Miscellaneous Logs

- 1-CS (Port Madison):
 Van Cleve, trap, 1961-65.
 1-S (off southwest side of West
 Point): Sea Grant, 1973.
 1-S (southwest of Alki Point):
 Sea Grant, 1973.
 2-S (off southwest of Alki Point,
 deep otter trawl):
 Sea Grant, 1973.



Asterotheca infraspinata

Agonidae

Published Records

- 1-SJ: Gilbert and Thompson, 1905.
 1-SJ: Starks, 1911.
 1-PS: Kincaid, 1919.
 1-E (Skagit Bay): Salo, 1969.
- 2-S (off northwest side of West Point): Sea Grant, 1973.
 1-S (deep otter trawl: off southwest of Alki Point): Sea Grant, 1973.

University of Washington
Museum Collection

- 1-PS (Whatcom County): 77.
 1-SJ (near Olga): 1206.
 1-PS: 1423.
 1-SJ (Friday Harbor): 2202.
 1-SJ (Orcas Island): 2886.
 1-S (off Carkeek Park):
 8072 (also boat 5212E).
 1-S (off Meadow Point): 7335.
 1-HC (off Thorndike Bay): 7583.
 1-SJ (mid East Sound): 18718 (also
 Friday Harbor log, 6/5/64).

Friday Harbor Laboratory Log

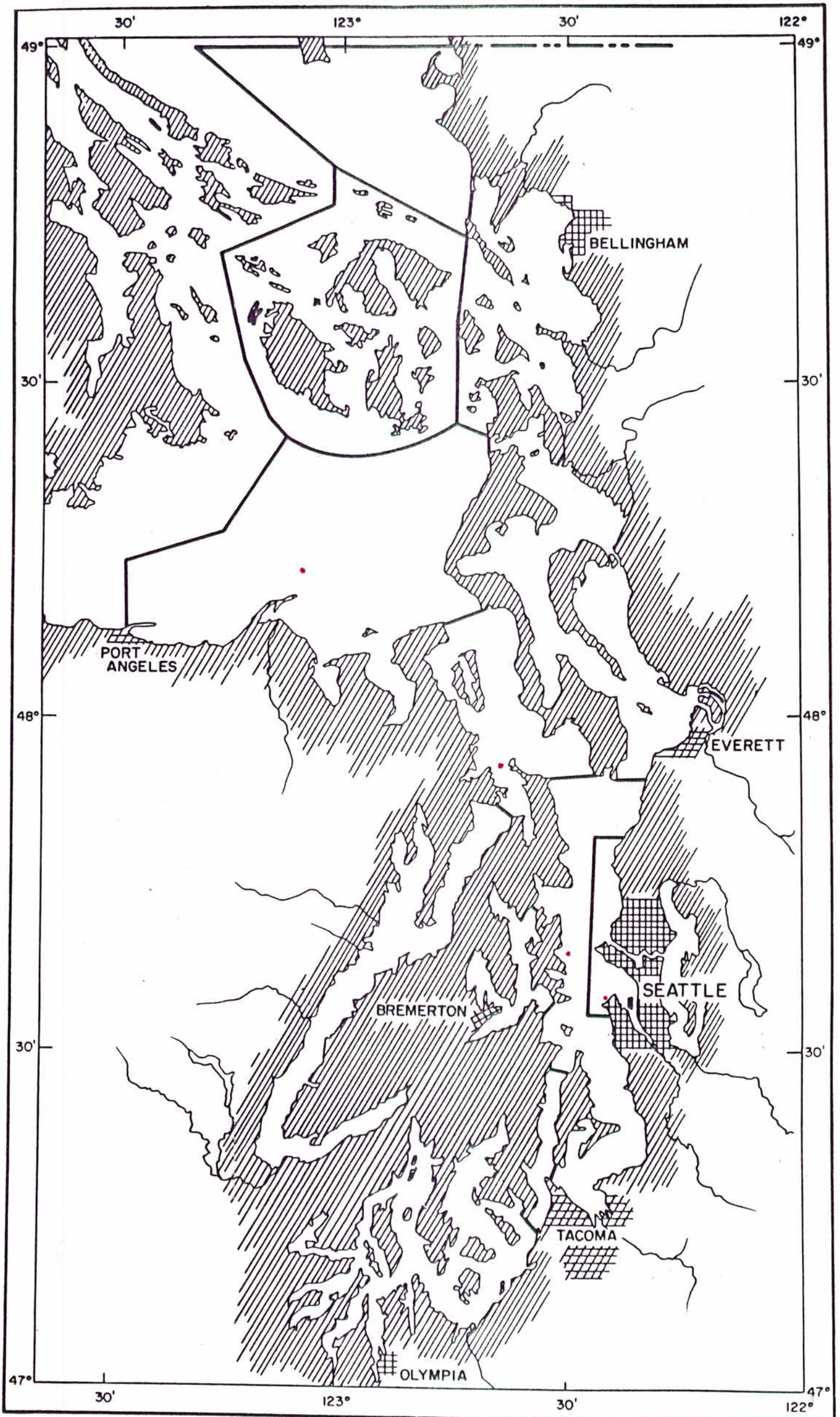
- 1-SJ (north of Hunter Bay):
 6/19/50-5 (also boat 5033G).
 1-SJ (Upright Head to Obstruction
 Pass.): 8/22/55-4.
 1-SJ (West Sound and Lopez Sound):
 6/27/60.
 3-SJ (Lopez Sound):
 7/6/60-1; 6/24/67; 7/8/69-2.
 2-SJ (East Sound):
 7/26/60-1; 6/20/63.
 1-SJ (Upright Head): 8/3/60.
 2-SJ (Upright Head to Olga):
 8/1/60-2; 7/10/61-2.
 1-SJ (mid East Sound): 4/3/64.
 1-SJ: 7/15/67.
 1-SJ (Upright Channel): 7/2/69-2.

University of Washington Boat Log

- 1-S (off Golden Gardens): 5707J.
 1-CS (Port Madison, near Agate
 Pass.): 5317C.
 1-E (Saratoga Pass., Greenbank to
 North Bluff): 5418N.
 1-HC (Dabob Bay): 6202A.
 1-E (training cruise area: off Penn
 Cove): 6826E.
 1-SJ (training cruise area: Lopez
 Sound, southwest of Center
 Island): 7017I.
 1-SJ (Lopez Sound, west of Ram
 Island): 5033R.

Miscellaneous Logs

- 2-E (Port Gardner Bay):
 U.W. Ocean., P.G., 1962-67.
 2-CS (Port Madison):
 U.W. Ocean., Hoh, 1963-68.
 1-E (off Demock Point to Utsalady):
 U.W. Ocean., Hoh, 1963-67.
 3-GS (south of Cherry Point):
 Sea Grant, 1972.



Asterotheca pentacanthus

Agonidae

Published Records

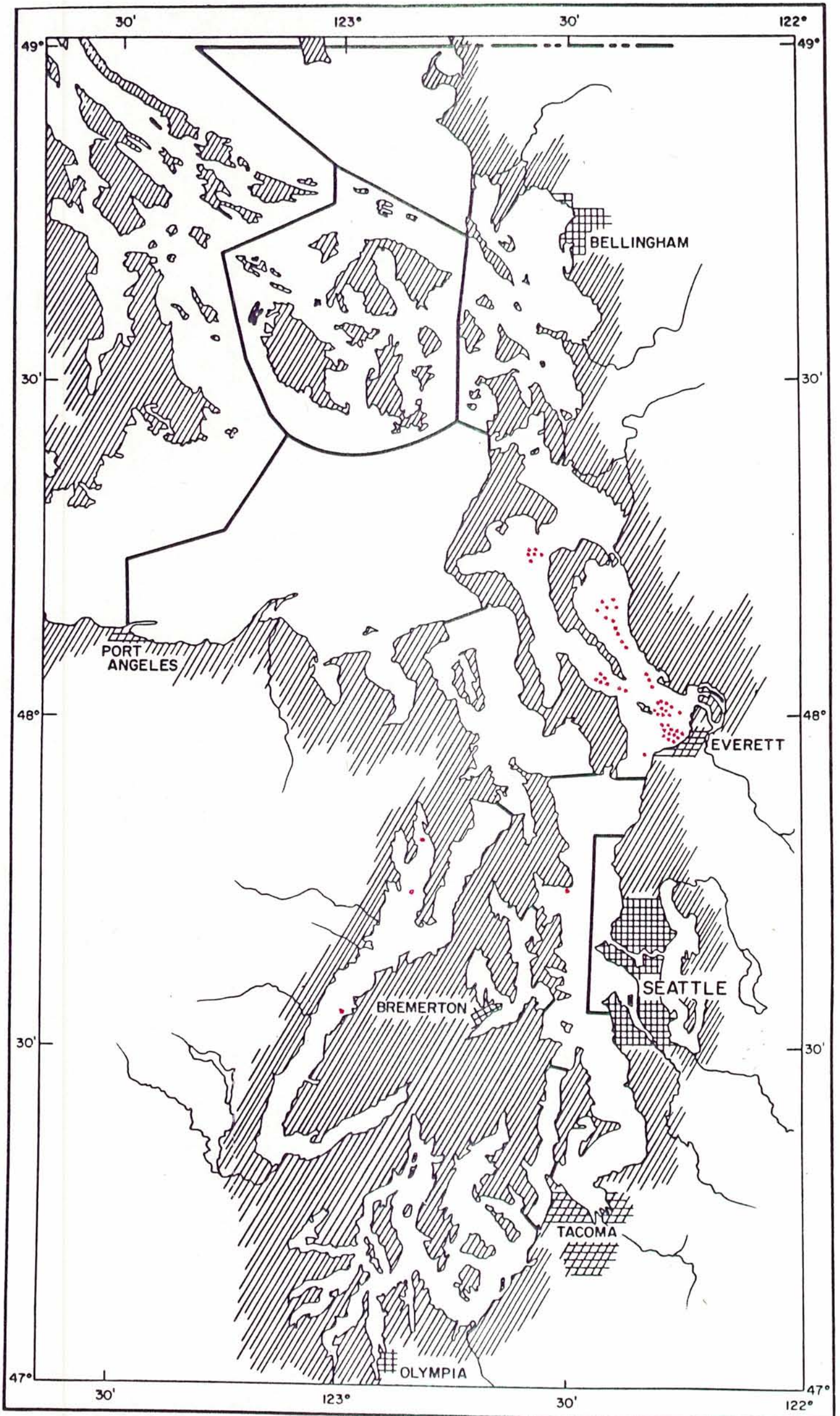
- 1-JF (mid-channel, northeast of
Dungeness Spit):
Evermann and Goldsborough, 1907.
1-AI (mouth of Hood Canal):
Evermann and Goldsborough, 1907.

University of Washington Boat Log

- 1-CS (off Murden Cove): 6610B.

Miscellaneous Logs

- 1-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.



Bathylagopus nigripinnis

Agonidae

Published Records

- 1-HC (Holly):
 Schultz and DeLacy, 1935-36.
 1-CS (beach seine: south side of
 Point Jefferson): Kendall, 1966.

University of Washington
Museum Collection

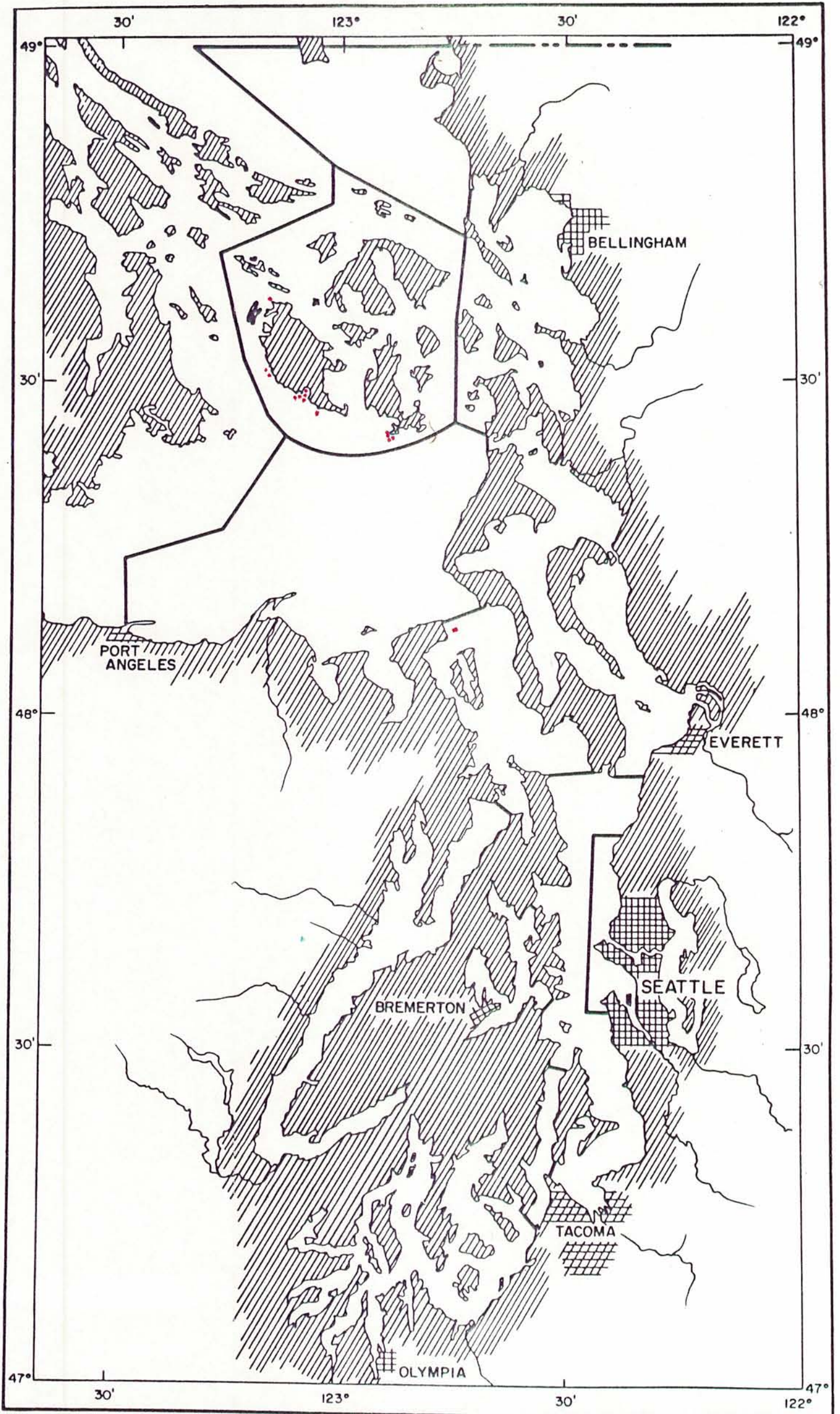
- 1-PS (Whidbey Island): 12.
 1-E (east of Gedney Island): 2558.
 1-E (off Snohomish River): 2628.
 1-E (Saratoga Pass., Sandy Point):
 2665.
 2-E (off Tulalip Bay): 2911; 5949
 (also boat 7/1/49-1).
 1-E (off Everett): 2944.
 1-E (Mukilteo): 4307.

University of Washington Boat Log

- 1-HC (Dabob Bay): 5921.
 1-HC (Dabob Bay, Broad Spit to Long
 Spit): 6702E.
 11-E (training cruise area: east of
 Gedney Island):
 6603C; 6620C; 6717C; 6722C;
 6819C; 7118C; 7213C; 6914C;
 7017C; 7110C; 7010C.
 5-E (training cruise area: Saratoga
 Pass., north of Langley): 6603D;
 6722D; 7118D; 7213D; 7010D.
 5-E (training cruise area: off Penn
 Cove): 6603E; 6620E; 6815E;
 7213E; 7313E.
 2-E (Port Susan, off Kayak Point):
 6702A,B.
 1-E (Saratoga Pass., off Camano
 Head): 6822D.

Miscellaneous Logs

- 8-E (Port Gardner Bay):
 U.W. Ocean., P.G., 1962-67.
 3-E (Port Gardner Bay):
 U.W. Ocean., Hoh, 1963-67.
 8-E (Port Susan):
 U.W. Ocean., Hoh, 1963-67.
 1-E (Saratoga Pass., Demock Point):
 U.W. Ocean., Hoh, 1963-67.
 1-E (Port Susan): U.W. Ocean.,
 herring trawl, 1968-69.
 1-E (Mission Bay):
 WSDF, groundfish trawl log, 1972.



Bothragonus swani

Agonidae

Published Records

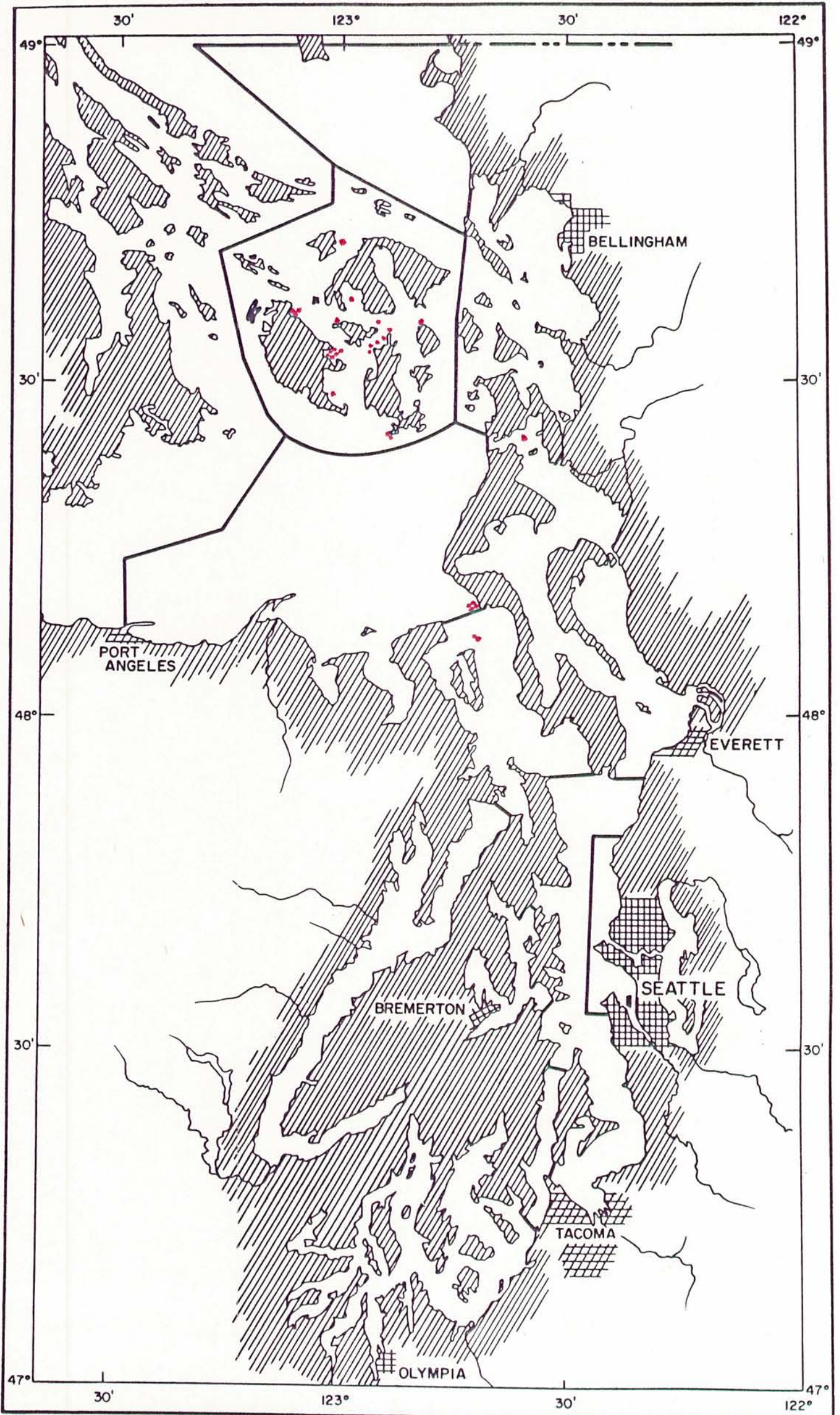
- 1-AI (Port Townsend): Steindachner,
1877; Jordan and Starks, 1896;
Jordan and Gilbert, 1882.
- 1-PS: Kincaid, 1919.
- SJ (southwest shore of San Juan
Island): Schultz, 1930
(duplicated by museum records).
- 1-SJ: Kincaid, 1919.
- AI (Port Townsend):
Kincaid, 1919 (more than likely
duplicated by other records).
- SJ (False Bay):
Walker, 1953 (probably duplicated
by other records).

University of Washington
Museum Collection

- 2-SJ (Kanaka Bay): 1145; 1252.
- 2-SJ (False Bay): 1271; 6200.
- 1-SJ (False Bay reef): 1475.
- 1-SJ (Iceberg Point): 17971 (also
Friday Harbor log, 7/18/63-2).

Friday Harbor Laboratory Log

- 1-SJ (Iceberg Point, tidepool):
7/22/52-3.
- 2-SJ (Iceberg Point):
6/28/61-2; 7/19/63-2.
- 2-SJ (Deadman Bay):
6/22/63; 7/11/67-1.
- 1-SJ (Eagle Point): 7/5/67.
- 1-SJ (Hannah Heights): 7/6/67.



Hypsagonus quadricornis

Agonidae

Published Records

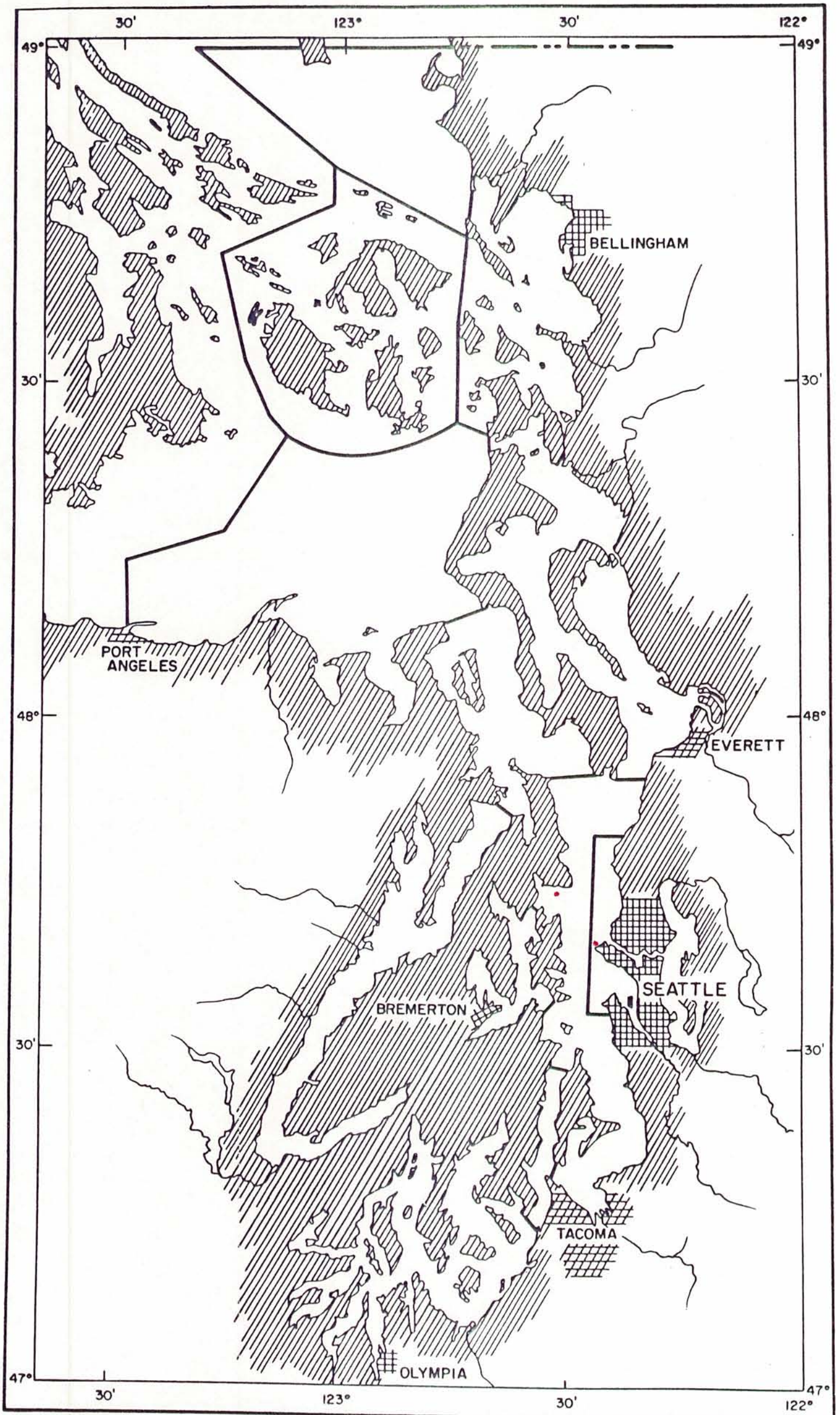
- 1-E (Deception Pass., near Dewey):
Smith, 1937 (also museum 4347).
1-SJ (Upright Channel):
Smith, 1937.
1-SJ (Friday Harbor): Heath, 1910.
1-SJ (Friday Harbor): Starks, 1911.
1-SJ (San Juan Channel, Friday
Harbor):
Wismer and Swanson, 1935.
4-JF (off Admiralty Head):
Evermann and Goldsborough, 1907.
1-AI:
Evermann and Goldsborough, 1907.

University of Washington
Museum Collection

- 1-SJ (Peavine Pass.): 1097.
1-SJ (Wasp Pass.): 1738.
1-SJ (Griffin Bay): 1739.
2-SJ (O'Neal Island): 1740; 11726.
1-SJ (Harney Charnel): 1741.
1-SJ (Flat Point to Canoe Island):
1742.
1-SJ (Rocky Bay): 2148.
1-SJ (West Sound): 2230.
1-SJ (Flat Point): 2276.
1-SJ: 3560.
3-SJ (Friday Harbor):
3696; 11721; 14186.
1-SJ (northwest side of Lopez
Island): 4956.
1-SJ (east of Waldron Island):
11737 (also Friday Harbor log,
7/10/52-3 and boat 5220L).
1-SJ (Upright Head): 14183 (also
Friday Harbor log, 8/2/52).

Friday Harbor Laboratory Log

- 2-SJ (Iceberg Point tidepool):
7/17/50-8; 6/30/69-3.



Ocella verrucosa

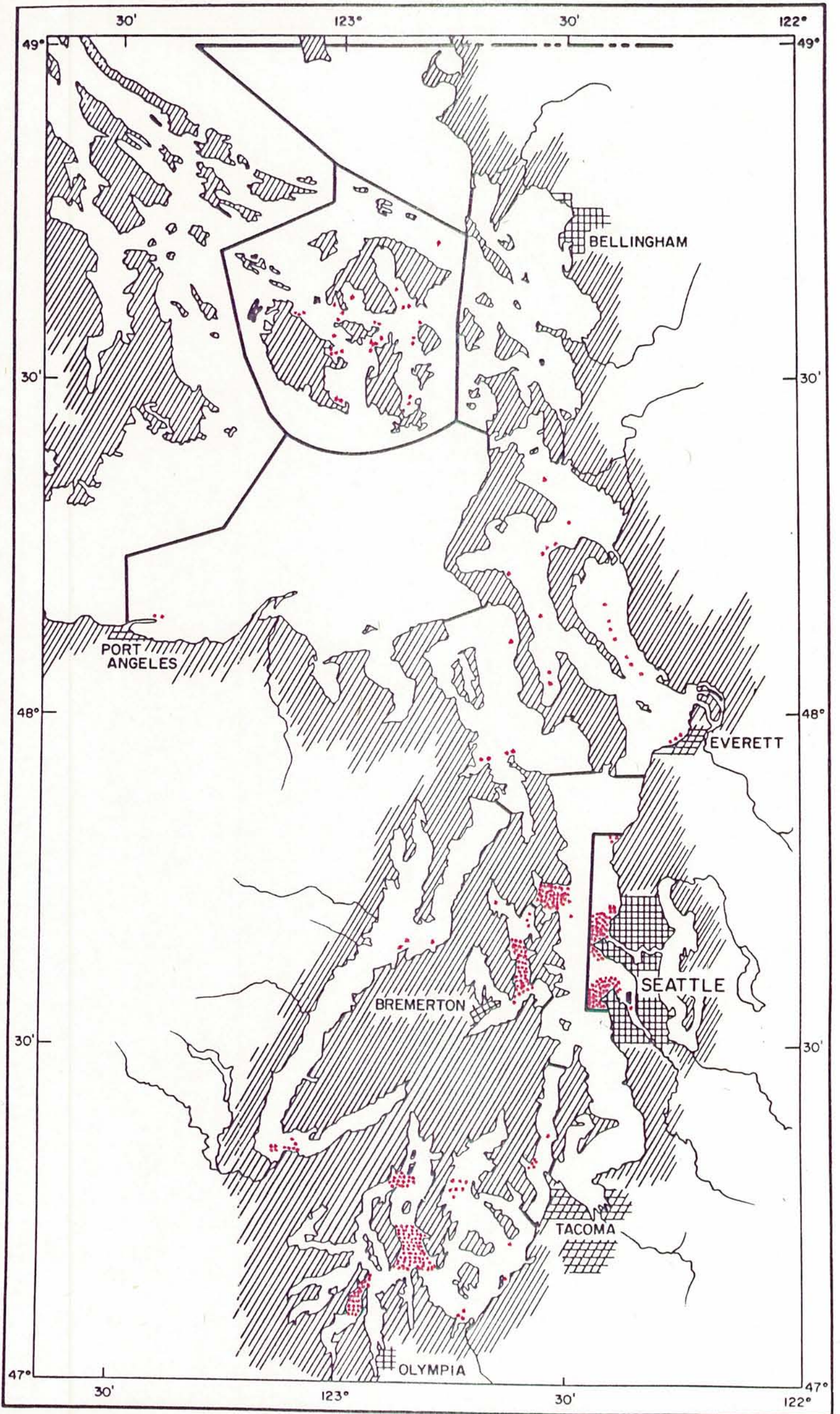
Agonidae

University of Washington Boat Log

1-CS (Port Madison): 6305C.

Miscellaneous Logs

1-S (north tip of West Point):
L. Moulton and D. Somerton,
captured diving, 1/26/77.



Odontopyxis trispinosa

Agonidae

Published Records

- 1-AI (Port Ludlow): Starks, 1896b.
 1-PS: Jordan and Starks, 1896.
 1-AI (northwest of Tala Point):
 Evermann and Goldsborough, 1907.
 1-SJ: Starks, 1911.
 1-SJ: Shelford et al., 1935.
 1-SJ (San Juan Channel, Friday
 Harbor):
 Wismer and Swanson, 1935.
 1-S (Duwamish River): Salo, 1969.
 22-S (Duwamish Head): Salo, 1969.
 2-E (Skagit Bay): Salo, 1969.
 2-CS (beach seine: south side of
 Point Jefferson): Kendall, 1966.

University of Washington
Museum Collection

- 3-SJ (Flat Point): 702; 2085; 2275.
 2-SJ (Friday Harbor): 992; 2882.
 1-SJ (Peavine Pass.): 1096.
 1-SJ (Deer Harbor): 1224.
 1-SJ (San Juan Channel): 1239.
 2-SJ (East Sound entrance):
 1288; 1494.
 1-SJ (near Orcas Island): 1315.
 3-PS: 1417; 11819; 14142.
 1-SJ (Blakely Island): 1419.
 1-SJ (Flat Point to Canoe Island):
 1751.
 1-SJ (Wasp Pass.): 1752.
 2-SJ (Griffin Bay): 1753; 2161.
 1-SJ (O'Neal Island): 1754.
 2-SJ (Harney Channel): 1755; 2258.
 1-PO (off Seabold): 4375.
 2-JF (Ediz Hook): 4952; 4953.
 2-AI (Foulweather Bluff):
 4969; 4974.
 1-SJ: 14151.
 1-SJ (west shore of Blakely Island):
 2118.
 1-E (Saratoga Pass.): 5119.
 2-S (off Golden Gardens):
 5737 (also boat 497E); 6077 (also
 boat 5029C).
 5-S (beach seine: Golden Gardens):
 5805 (also boat 5036A); 5942
 (also boat 5032.1A); 7326 (also
 boat 5007D); 14190 (also boat
 5134A); 14191.
 1-CS (Indianola): 6129.
 1-PO (Liberty Bay): 6190.
 1-SS (Fox Island, Gibson Point):
 11724.
 1-SJ (west of Ram Island):
 5748 (also boat 491P).
 1-SJ (Rocky Bay): 2147.
 1-SJ (West Sound): 2198.
 1-SJ (Rocky Point, San Juan
 Island): 2212.
 1-SJ (East Sound): 2291.
 1-PO (Agate Pass.): 11730.

Friday Harbor Laboratory Lab

- 1-SJ (northwest of Barnes Island):
 6/20/50-3 (also boat 5033J).
 1-SJ (Pole Pass.): 7/30/60.
 1-SJ (Upright Channel): 7/14/61.
 1-SJ: 7/14/67.
 1-SJ (Friday Harbor lab, night
 night): 1969.

University of Washington Boat Log

- 1-CS (off Indianola): 5043A.
 1-CS (off Port Madison): 5043C.
 1-CP (off Camp Sealth): 5104DD.
 2-E (Holmes Harbor): 5305I; 5614D.
 1-PO (off Seabold): 5310.5F.
 2-CS (trap: Port Madison):
 6203A; 6204B.
 2-PO (trap: off Fletcher Bay):
 6203C; 6204C.
 2-CS (trap: Port Madison):
 6213; 6305.
 2-SS (trap: Eld Inlet entrance):
 6217; 6219-1.
 1-S (off West Point sewer outfall):
 6718-4.
 12-S (beach seine: Golden Gardens to
 Meadow Point): 5001; 5040A;
 5116D1; 5214B,C; 5215D,F,J,L;
 6019B; 6113A; 6417.
 3-S (off Golden Gardens to Meadow
 Point): 5033A; 5034D; 5039D.
 2-S (off Meadow Point to Carkeek
 Park): 5039E; 5606B.
 1-SJ (training cruise area: Lopez
 Sound, southwest of Center
 Island): 7017I.
 1-PO (probably off Fletcher Bay):
 7107.
 2-E (Port Susan, off north of Kayak
 Point to off Tulalip): 2-7112.

Miscellaneous Logs

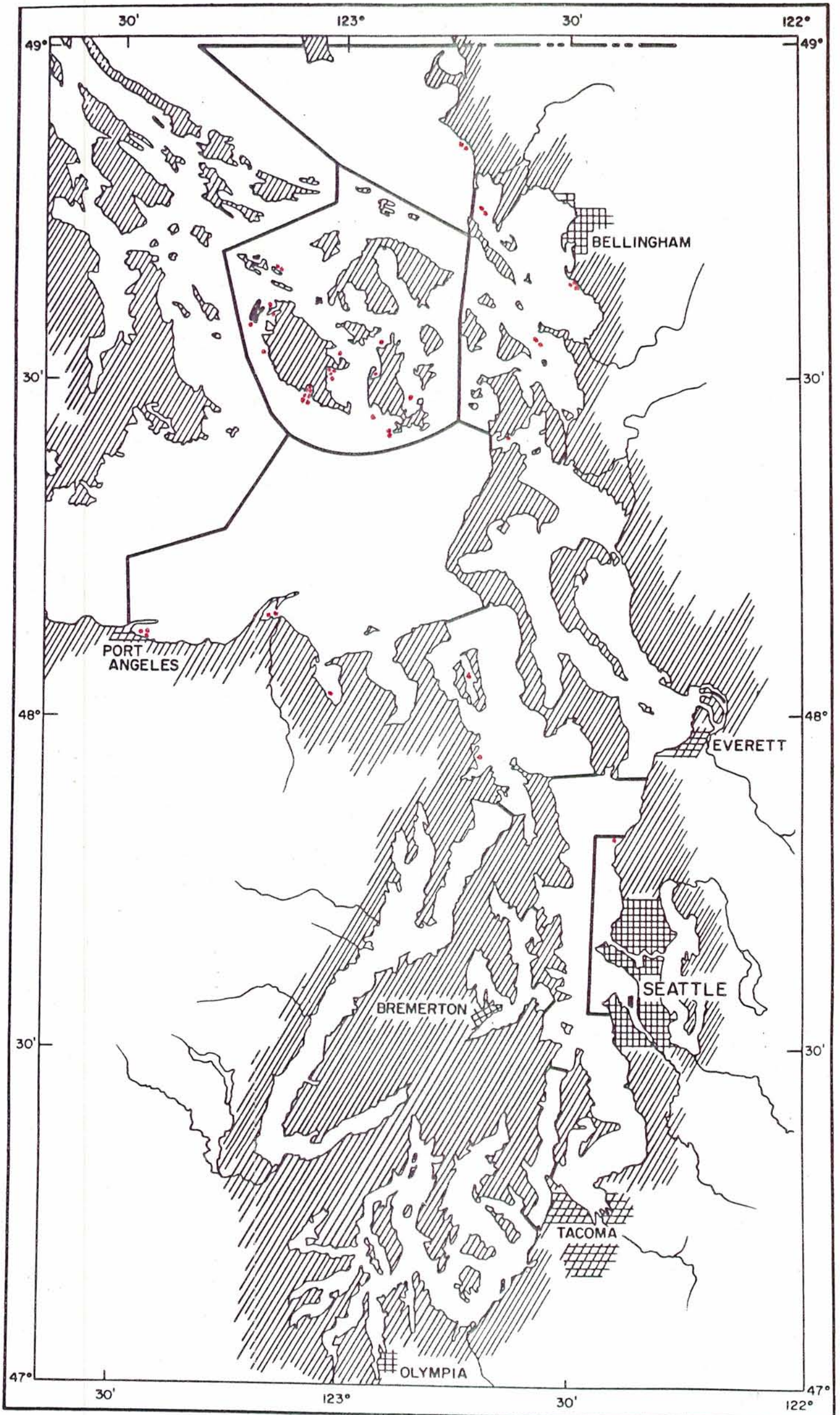
- 37-S (Duwamish Head to Alki Point):
 U.W. Ocean., 1964-67.
 8-S (Meadow Point):
 U.W. Ocean., 1964-67.
 3-E (Port Gardner Bay):
 U.W. Ocean., P.G., 1962-67.
 42-PO (south of Fletcher Bay):
 U.W. Ocean., P.O., 1964-65.
 24-S (Golden Gardens to Meadow
 Point):
 U.W. Ocean., Hoh, 1963-68.
 10-PO (south and north of Fletcher
 Bay): U.W. Ocean., Hoh, 1963-67.
 2-HC (Seabeck):
 U.W. Ocean., Hoh, 1963-67.
 1-SS (Nisqually Flats):
 U.W. Ocean., Hoh, 1963-67.
 7-SS (Carr Inlet, off Horsehead
 Bay): U.W. Ocean., Hoh, 1963-67.
 48+-SS (Case Inlet, off Taylor Bay
 to off Whiteman Cove):
 U.W. Ocean., Hoh, 1963-67.

Odontopyxis trispinosa

Agonidae

Miscellaneous Logs

- 7-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
- 5-E (Port Susan):
U.W. Ocean., Hoh, 1963-67.
- 2-E (off Demock Point to Utsalady):
U.W. Ocean., Hoh, 1963-67.
- 1-E (Saratoga Pass., off Demock Point):
U.W. Ocean., Hoh, 1963-67.
- 1-CS (Skiff Point to Point Jefferson): U.W. Ocean., herring trawl, 1968-69.
- 1-AI (Admiralty Bay, off Greenbank):
U.W. Ocean., Hoh, S.J., 1966.
- 2-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
- 40-CS (Port Madison):
Van Cleve, trap, 1961-65.
- 5-PO (off Fletcher Bay):
Van Cleve, trap, 1961-65.
- 3-S (off Edmonds):
Van Cleve, trap, 1961-65.
- 125+-SS (Eld Inlet entrance):
Van Cleve, trap, 1961-65.
- 1-E (Saratoga Pass., west side south of Penn Cove):
Van Cleve, trap, 1961-65.
- 3-CP (beach seine: Gig Harbor spit):
Sea Grant, 72003 (also boat 7208).
- 1-CP (off Gig Harbor spit): Sea Grant, 72003 (also boat 7208).
- 1-CP (off Gig Harbor spit):
Sea Grant, 72025.
- 1-SS (off Nisqually River and McAllister Creek flats):
Sea Grant, 72034.
- 1-S (off northwest side of West Point): Sea Grant, 1973.
- 7-S (off southwest side of West Point): Sea Grant, 1973.
- 8-S (southwest of Alki Point):
Sea Grant, 1973.
- 2-S (deep otter trawl: off southwest of Alki Point): Sea Grant, 1973.
- 1-SS (off Nisqually River and McAllister Creek flats):
Sea Grant, 1973.
- 2-SS (McLane Cove toward Stretch Island): Sea Grant, 1973.
- 1-SS (west side of Dougall Point):
Sea Grant, 1973.
- 18-SS (mid-channel, McLane Cove to Stretch Island):
Sea Grant, 1973-74.
- 5-HC (off Union): Sea Grant, 1973.
- 1-HC (mid-channel off Union):
Sea Grant, 1973.
- 4-HC (off Skokomish Flats):
Sea Grant, 1973.
- 1-SS (Cormorant Pass.):
Sea Grant, 73060.
- 1-HC (off Big Beef Harbor):
Sea Grant, 72026.



Pallasina barbata

Agonidae

Published Records

- 1-JF (Port Angeles):
Jordan and Starks, 1896.
1-AI (Port Ludlow): Starks, 1896b.
1-JF (beach seine: Port Angeles):
Gilbert, 1895.
1-AI (Kilisut Harbor):
Evermann and Goldsborough, 1907.
1-SJ: Starks, 1911.
1-PS: Kincaid, 1919.
1-SJ (near Friday Harbor):
Powers, 1921.
1-SJ: Shelford et al., 1935.
- 1-GS (beach seine: south of Cherry Point): Sea Grant, 72008.
2-B (Padilla Bay, near William Point):
U.W. Ocean., Hoh, S.J., 1966.
2-B (Lummi Bay):
U.W. Ocean., Hoh, S.J., 1966.
1-GS (south of Cherry Point):
Sea Grant, 72019.
3-B (beach seine: Wildcat Cove):
Sea Grant, 1973.

University of Washington
Museum Collection

- 1-SJ (Argyle Bay): 553.
1-SJ: 736.
1-SJ (near Davis Bay): 1185.
1-SJ (Iceberg Point): 2976.
1-JF (Port Angeles): 3675.
1-S (Edmonds to Point Edwards):
5073.
1-SJ (Westcott Bay): 11683.
2-SJ (False Bay):
11732; 14150 (also Friday Harbor log, 8/4/52-1).
1-SJ (north side of Johns Island, second bay): 14156 (also Friday Harbor log, 8/19/52-1).
1-SJ (Upright Channel): 17207 (also Friday Harbor log, 7/5/63).

Friday Harbor Laboratory Log

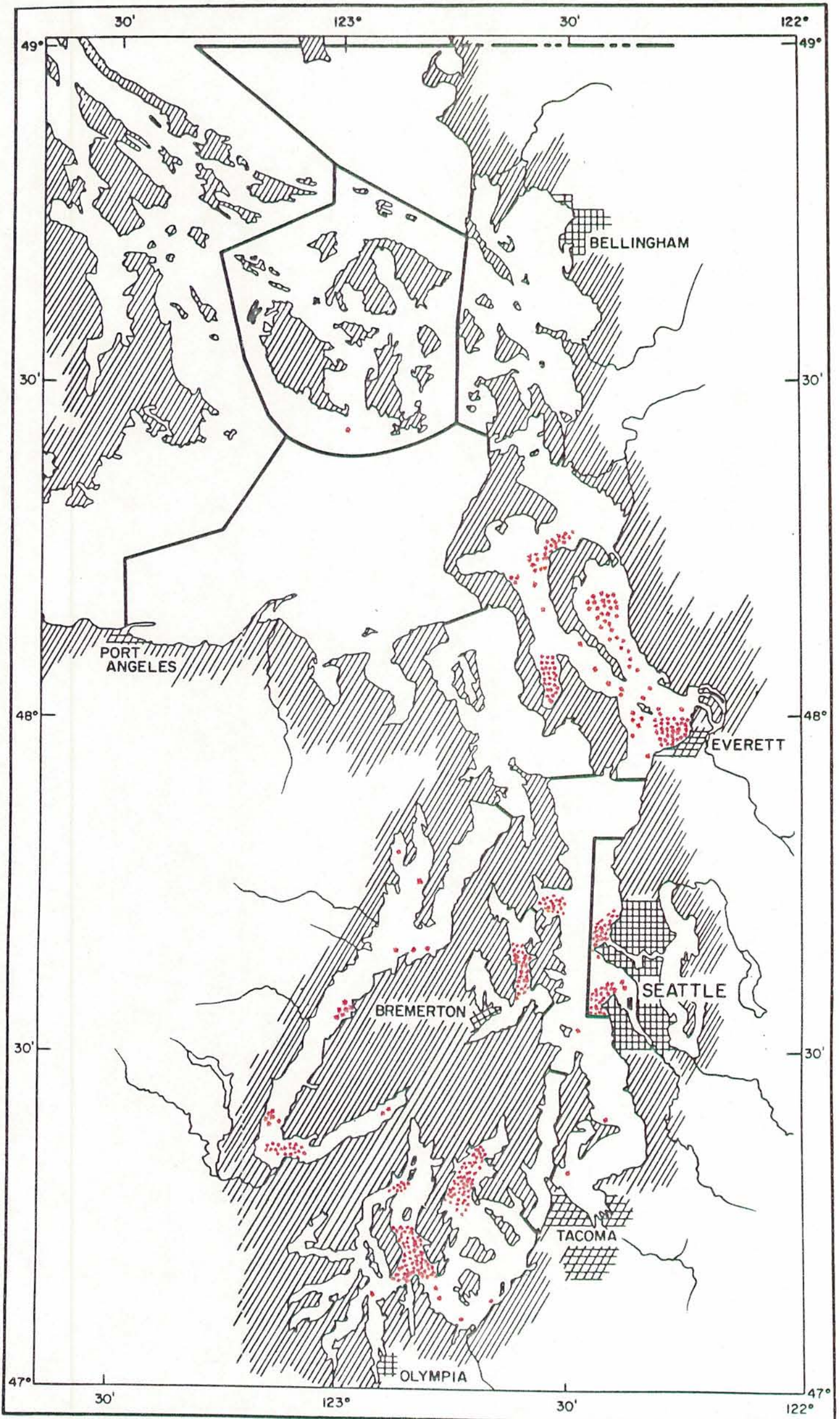
- 1-SJ (Open Bay): 7/31/50-4.
1-SJ (Fisherman Bay): 7/17/50-9.
4-SJ (False Bay): 8/4/52-2;
6/29/61; 7/18/67; 7/1/69-4.
1-SJ (north side of Johns Island, second bay): 8/19/52-2.
1-SJ (Roche Harbor): 8/19/52.
1-SJ (outside False Bay):
8/17/55-1.
1-SJ (North Bay): 8/18/60-2.
2-SJ (Argyle Bay):
7/8/67; 7/12/61-3.
1-SJ (Smallpox Bay): 7/13/61.
1-SJ (Cattle Point): 6/23/67-1.
1-SJ (Iceberg Point): 6/30/69-5.

University of Washington Boat Log

- 1-SJ (training cruise area: Lopez Sound, southwest of Center Island): 7118I.

Miscellaneous Logs

- 2-JF (beach seine: Dungeness embayment):
Peninsula College, 1971.
1-JF (lower Sequim Bay):
Sea Grant, 71110.
1-E (Bowman Bay):
S.L. Ralston, Diving log, 1971.



Xeneretmus latifrons

Agonidae

Published Records

- 1-S (Seattle):
Evermann and Goldsborough, 1907.
1-SJ: Starks, 1911.
1-SJ: Schultz and DeLacy, 1935-36.
1-HC (Holly):
Schultz and DeLacy, 1935-36.
4-E (Gedney Island): Smith, 1937.
3-E (Columbia Beach; Elger Bay;
Langley): Smith, 1937.
1-E (Mukilteo):
Smith, 1937 (also museum 4309).
1-HC (Quilcene Bay): Smith, 1937
(also museum 4308).
5-HC (Hoodsport): Smith, 1937 (also
one is museum 3907).
2-HC (Holly): Smith, 1937.
1-HC (Skokomish Flats):
Smith, 1937.
3-SS (Carr Inlet; Dofflemeyer
Point; Case Inlet): Smith, 1937.
2-HC (Anderson Ccve): Chew, 1970.

University of Washington
Museum Collection

- 1-E (Saratoga Pass., off Camano
Head): 2537.
1-E (east of Gedney Island): 2557.
1-E (off Snohomish River): 2629.
1-E (Saratoga Pass., off Sandy
Point): 2659 1/2.
1-S (Alki Point): 2915.
1-E (off Everett): 2943.
1-S (Elliott Bay): 3168.
1-E (Saratoga Pass.): 4175.
2-SS (Carr Inlet): 4224; 7329.
1-SS (off McLane Cove):
5672 (also boat 7/20/49-3).
1-SS (northwest end of Nisqually
Reach):
5676 (also boat 7/20/49-5).
1-HC (opposite Hoodsport):
5780 (also boat 499F).
1-S (off Golden Gardens):
5861 (also boat 5034E).
1-E (off Mission Bar):
5872 (also boat 5023E).
1-E (Port Susan, off Tulalip):
5948 (also boat 7/1/49-1).
1-S (off Meadow Point):
5960 (also boat 496B).
2-S (off Carkeek Park):
5978 (also boat 5020A); 8016
(also boat 5212C).
1-SS (Nisqually Reach trawl): 6106.
1-PS: 7347.
1-CS (Port Madison): 7351.
1-CS (east of Blake Island):
11728 (also boat 5115I).
1-S (Golden Gardens): 14392.

University of Washington Boat Log

- 1-E (Port Susan, off Spee-Bi-Dah):
5023D.

- 3-E (Holmes Harbor):
5325D; 5405D; 5418A.
1-E (Holmes Harbor, south of
Classic): 5307F.
2-E (Holmes Harbor, Rocky Point to
Dines Point): 5307K,L.
2-E (Holmes Harbor, Dines Point to
Classic): 5405G; 5712F.
1-E (Saratoga Pass., Onamac Point to
Indian Beach): 5405L.
1-E (Saratoga Pass., Snatelum Point
to Onamac Point): 5418H.
2-E (Port Susan, off Kayak Point):
6702B,C.
1-E (near Penn Cove): 6822E.
4-E (training cruise area: off Penn
Cove):
6614E; 6815E; 6819E; 6826E.
1-E (training cruise area: east of
Gedney Island): 6914C.
1-HC (off Union): 499H.
1-HC (Dabob Bay): 5921.
2-HC (Anderson Cove): 7009A,D.
1-HC (west of Misery Point):
7202A.
1-CS (east of Neill Point, Vashon
Island): 6703C.
3-CS (Port Madison):
5048B; 5122A; 5132D.
1-CS (Tramp Harbor): 5104A.
2-PO (off Fletcher Bay):
5310.5G; 6016B1.
6-S (off Golden Gardens to Meadow
Point): 494E; 5009L; 5017C;
5033A; 5034E; 6018A.
4-S (off Meadow Point to Carkeek
Park):
5039C; 5119B; 5203A; 5216B.
1-S (beach seine: Golden Gardens):
5215F.
1-SS (north end of Pickering Pass.
to off McLane Cove): 5009H.
1-SS (northwest end of Nisqually
Reach): 5009I.
8-SS (off Minter Creek to Elgin):
5045G,J; 5046C; 5104D,V; 5135A,
C; 5227I.
2-SS (Carr Inlet, southwest of Green
Point): 5104S,T.
14-SS (off Glen Cove to off Cutts
and Raft Islands): 5037C; 5045K;
5101B; 5102A; 5104L,M,O,Z; 5126C,
M; 5201A; 5213D; 5227B; 5613F.
1-SS (Carr Inlet): 5522C.
1-SS (Carr Inlet, mid-channel, Glen
Cove to Green Point): 5724B-1.

Miscellaneous Logs

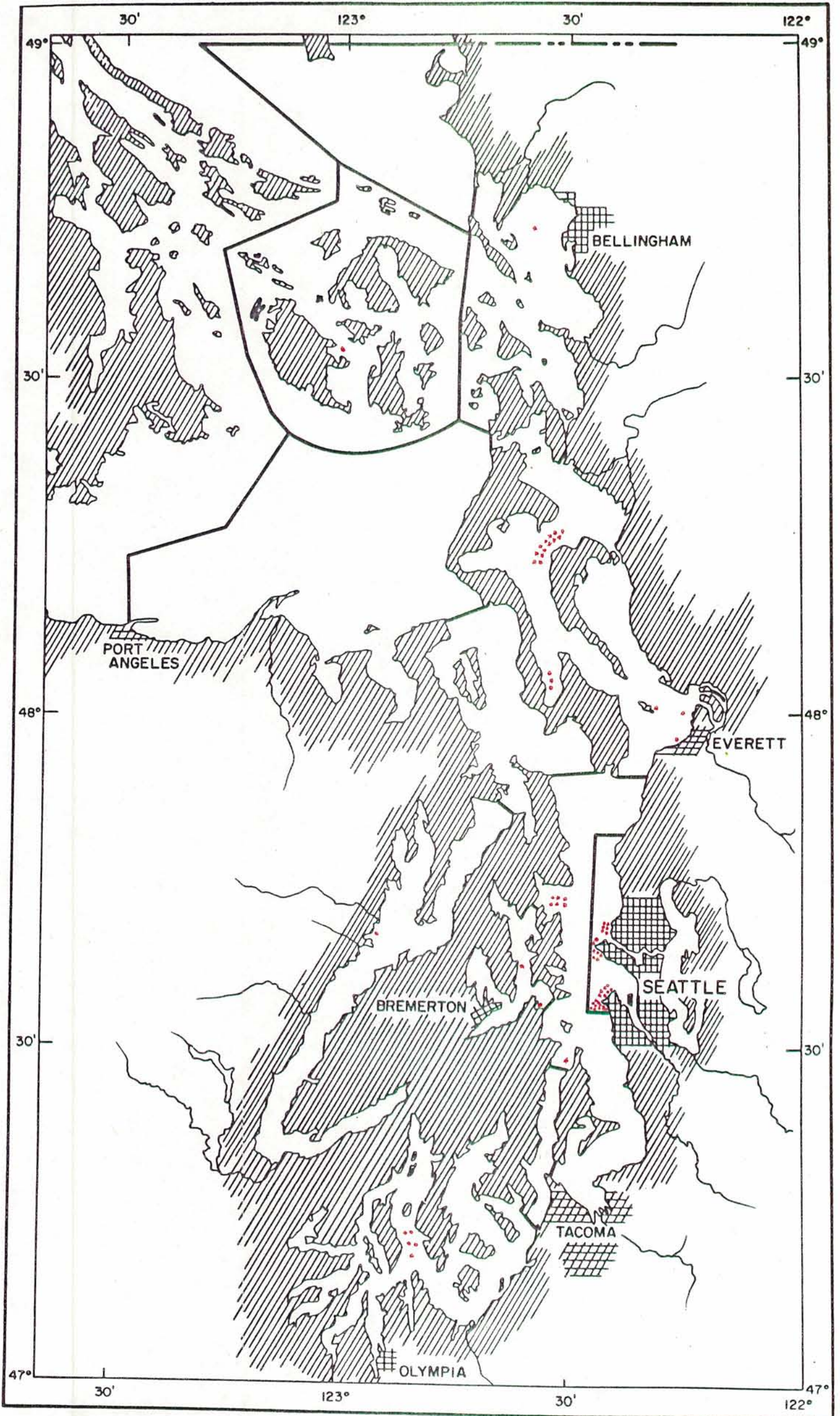
- 44-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
2-S (Meadow Point):
U.W. Ocean., 1964-67.
40-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.

Xeneretmus latifrons

Agonidae

Miscellaneous Logs

- 19-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
- 10-S (Golden Gardens to Meadow Point):
U.W. Ocean., Hoh, 1963-68.
- 15-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
- 2-HC (Lynch Cove):
U.W. Ocean., Hoh, 1963-67.
- 1-HC (Seabeck):
U.W. Ocean., Hoh, 1963-67.
- 130-SS (Case Inlet, off Taylor Bay to off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
- 17-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
- 17-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
- 14-E (Saratoga Pass., off Demock Point):
U.W. Ocean., Hoh, 1963-67.
- 7-E (Port Gardner Bay):
U.W. Ocean., Hoh, 1963-67.
- 26-E (Port Susan):
U.W. Ocean., Hoh, 1963-67.
- 10-E (off Demock Point to off Utsalady):
U.W. Ocean., Hoh, 1963-67.
- 10-E (Holmes Harbor):
U.W. Ocean., Hoh, 1963-67.
- 2-E (Utsalady):
U.W. Ocean., Hoh, S.J., 1966.
- 1-E (Holmes Harbor):
U.W. Ocean., Hoh, S.J., 1966.
- 1-CS (Port Madison):
Van Cleve, trap, 1961-65.
- 3-E (Saratoga Pass., west side just south of Penn Cove):
Van Cleve, trap, 1961-65.
- 1-HC (off Big Beef Harbor):
Sea Grant, 72026.
- 1-E (east and northeast of Gedney Island):
NMFS, Streeter, 2/21/73.
- 2-S (off northwest side of West Point): Sea Grant, 1973.
- 1-S (off southwest side of West Point): Sea Grant, 1973.
- 1-S (deep otter trawl: off West Point): Sea Grant, 1973.
- 3-S (southwest of Alki Point):
Sea Grant, 1973.
- 8-S (deep otter trawl: off southwest of Alki Point): Sea Grant, 1973.
- 2-PO (off south of Fletcher Bay):
Sea Grant, 73008.
- 7-SS (mid-channel, McLane Cove to Stretch Island):
Sea Grant, 1973-74.
- 11-HC (mid-channel, off Union):
Sea Grant, 1973-74.
- 10-HC (mid-channel, off Skokomish Flats): Sea Grant, 1973-74.
- 1-SS (Tatsolo Point):
Sea Grant, 73059.
- 5-E (Holmes Harbor):
Van Cleve, trap, 1961-65.



Xeneretmus triacanthus

Agonidae

Published Records

- 1-PO (Orchard Point):
 Jordan and Starks, 1896.
 1-PS: Kincaid, 1919.
 1-HC: Schultz and DeLacy, 1935-36.
 1-SJ: Schultz and DeLacy, 1935-36.
 1-SJ (San Juan Channel, off Friday
 Harbor):
 Wismer and Swanson, 1935.

University of Washington
Museum Collection

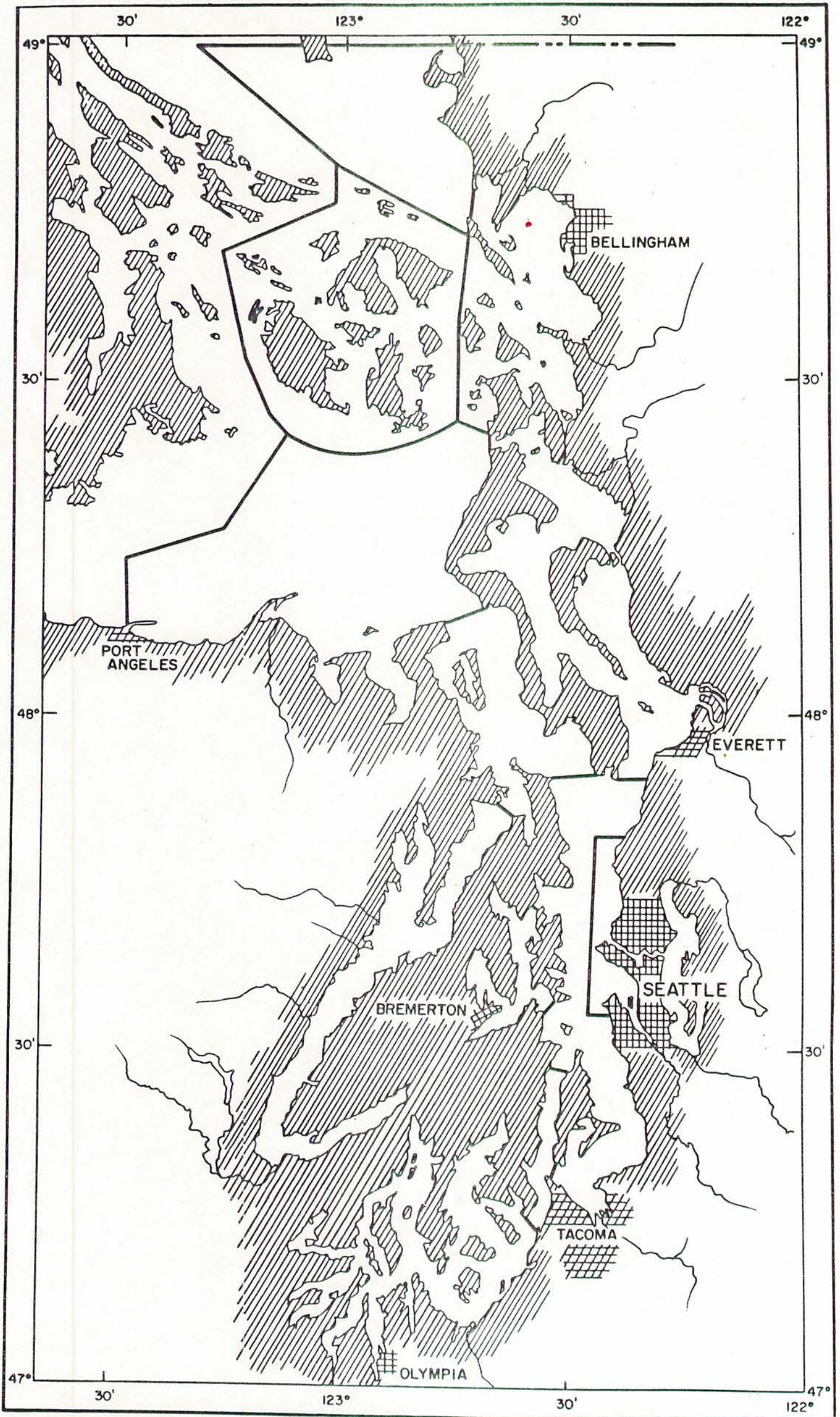
- 1-E (east of Gedney Island): 2556.
 1-E (off Snohomish River): 2885.
 1-PS: 3116.
 1-HC (Brinnon): 16535.

University of Washington Boat Log

- 1-CS (Vashon Island, off Sylvan
 Beach): 6703A.

Miscellaneous Logs

- 7-S (Duwamish Head to Alki Point):
 U.W. Ocean., 1964-67.
 4-S (Meadow Point):
 U.W. Ocean., 1964-67.
 1-E (Port Gardner Bay):
 U.W. Ocean., P.G., 1962-67.
 1-PO (south of Fletcher Bay):
 U.W. Ocean., P.O., 1964-65.
 2-S (Golden Gardens to Meadow
 Point):
 U.W. Ocean., Hoh, 1963-68.
 5-SS (Case Inlet, off Taylor Bay to
 off Whiteman Cove):
 U.W. Ocean., Hoh, 1963-67.
 6-CS (Port Madison):
 U.W. Ocean., Hoh, 1963-68.
 7-E (Saratoga Pass., off Demock
 Point):
 U.W. Ocean., Hoh, 1963-67.
 6-E (off Demock Point to Utsalady):
 U.W. Ocean., Hoh, 1963-67.
 1-E (Holmes Harbor):
 U.W. Ocean., Hoh, 1963-67.
 1-B (Bellingham Bay):
 U.W. Ocean., Hoh, S.J., 1966.
 2-E (Holmes Harbor):
 U.W. Ocean., Hoh, S.J., 1966.
 1-S (off northwest side of West
 Point): Sea Grant, 1973.
 5-S (off southwest side of West
 Point): Sea Grant, 1973.
 1-S (deep otter trawl: off West
 Point): Sea Grant, 1973.
 3-S (southwest of Alki Point):
 Sea Grant, 1973.
 10-S (off southwest of Alki Point):
 Sea Grant, 1973.

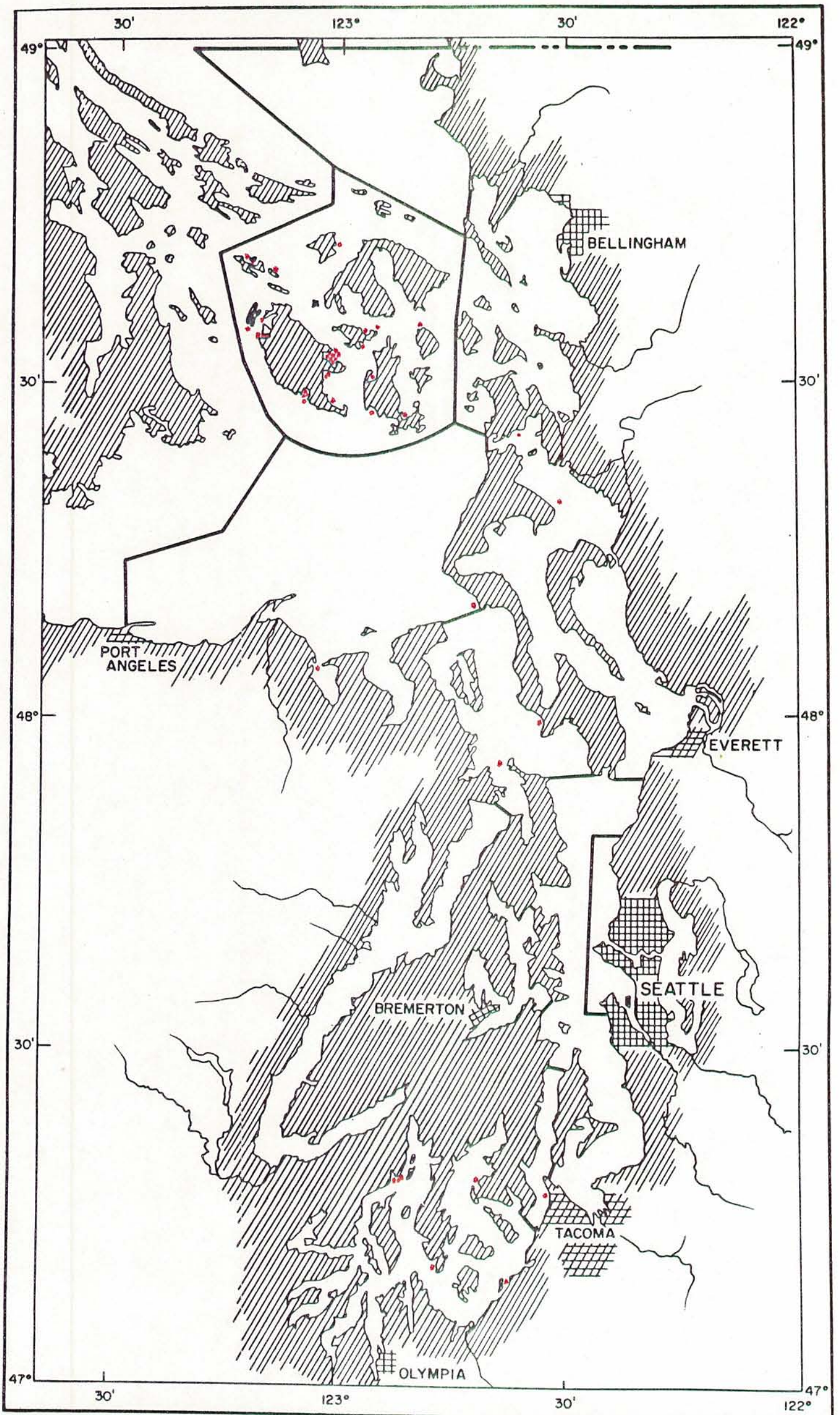


Careproctus melanurus

Cyclopteridae

University of Washington
Museum Collection

1-B (Bellingham Bay): 10787.



Eumicrotremus orbis

Cyclopteridae

Published Records

- 1-PS: Jordan and Starks, 1896.
 1-SJ: Starks, 1911.
 1-JF (off Admiralty Head):
 Evermann and Goldsborough, 1907.
 1-AI (mouth of Hood Canal):
 Evermann and Goldsborough, 1907.
 1-PS: Kincaid, 1919.
 1-SJ (San Juan Channel, off Friday
 Harbor):
 Wismer and Swanson, 1935.
 1-SJ: Shelford et al., 1935.
 1-E (Skagit and Similk Bays):
 Stober and Salo, 1970a.
- 1-SS (northwest of Devils Head):
 Jerry Ward, personal
 communication, 1973.
 2-SJ (Mitchell Bay): Dave Chase,
 personal communication, 1964.
 3-SS (McLane Cove toward Stretch
 Island): Sea Grant, 1973.
 1-SS (Cormorant Pass.):
 Sea Grant, 73059.

University of Washington
Museum Collection

- 4-SJ (Friday Harbor):
 269; 2188; 2204; 4961.
 1-SJ (Peavine Pass.): 1098.
 1-SJ (near Orcas Island): 1316.
 1-SJ (Griffin Bay): 1764.
 1-SJ (Davis Bay): 2167.
 1-SJ (Blind Bay): 2246.
 1-SJ (Harney Channel): 2259.
 1-E (near Dewey): 4520.
 1-CP (near Tacoma): 5116.
 1-SJ (east of Waldron Island):
 14758 (also Friday Harbor log,
 7/10/52-3 and boat 5220L).
 1-SJ (False Bay): 14759.
 1-SJ (Lopez Island): 16551.

Friday Harbor Laboratory Log

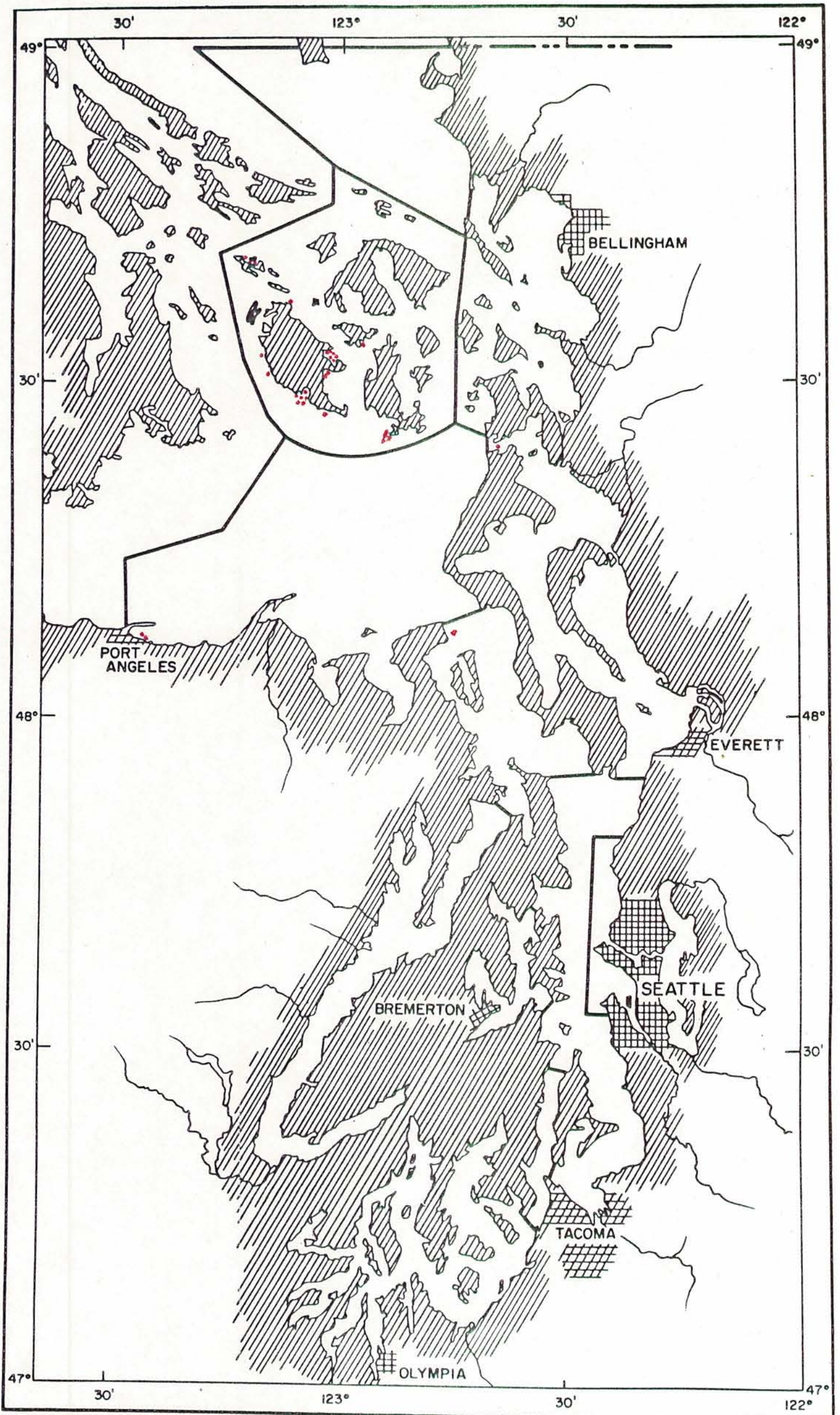
- 1-SJ (White Point, San Juan Island):
 7/19/51-1.
 3-SJ (False Bay):
 8/4/52-1,2; 8/5/60.
 1-SJ (north side of Johns Island,
 second bay): 8/19/52-2.
 1-SJ (Friday Harbor): 6/21/55-1.
 1-SJ (Fisherman Bay): 6/24/55-1.
 1-SJ (Squaw Bay): 8/1/55.
 2-SJ (south of Satellite Island):
 8/15/55-1,2.
 1-SJ (Mud Bay): 8/15/55-3.
 1-SJ (Prevost Harbor): 7/10/50-4.
 1-SJ (Open Bay): 7/31/50-4.
 1-SJ (Friday Harbor lab): 8/4/60-1.
 1-SJ (Mitchell Bay): 8/16/60-1.
 2-SJ (Argyle Bay): 7/15/63; 7/8/67.
 1-SJ (Friday Harbor lab, night
 night): 1969.

University of Washington Boat Log

- 1-SS (Carr Inlet, east of Cutts
 Island): 5037D.

Miscellaneous Logs

- 1-JF (Sequim Bay):
 Battelle, 1967-69.
 1-AI (beach seine: Mutiny Bay launch
 ramp): Sea Grant, 72033.



Liparis callyodon

Cyclopteridae

Published Records

- 1-JF (Port Angeles):
Jordan and Starks, 1896.
1-SJ: Starks, 1911.
1-AI (Port Townsend): Burke, 1930.
1-E (Deception Pass.):
Schultz and DeLacy, 1935-36.

University of Washington
Museum Collection

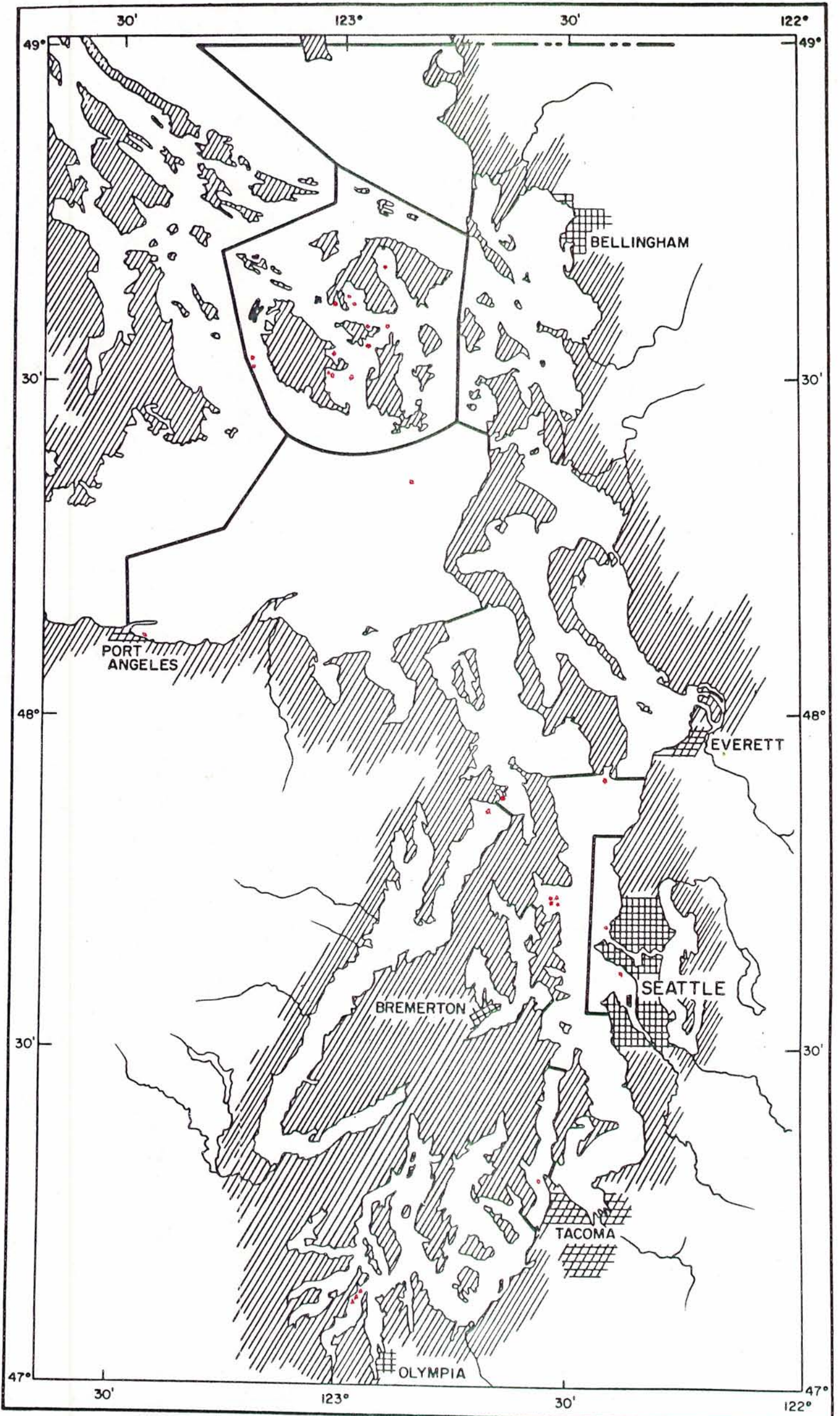
- 4-SJ (Friday Harbor):
1051; 2100; 14773; 14787.
1-SJ (False Bay): 1274.
2-SJ: 1350; 3541.
1-SJ (Kanaka Bay): 10435.
1-SJ (Prevost Harbor): 10455 (also
Friday Harbor log, 8/19/52).

Friday Harbor Laboratory Log

- 1-SJ (American Camp): 7/6/52.
3-SJ (Iceberg Point tidepool):
7/22/52-3; 8/4/55-2; 8/22/60-1.
2-SJ (Friday Harbor lab):
7/30/52; 8/1/52.
1-SJ (Squaw Bay): 8/1/55.
2-SJ (south of Satellite Island):
8/15/55-1,2.
3-SJ (False Bay):
7/24/60; 8/5/60; 6/29/61.
2-SJ (Argyle Bay):
8/11/60-4; 7/12/61-4.
1-SJ (Kanaka Bay): 8/21/60.
1-SJ (Iceberg Point): 6/28/61-2.
1-SJ (Smallpox Bay): 7/13/61.
1-SJ (Deadman Bay): 6/22/63.
1-SJ (Limestone Point): 6/23/63.

Miscellaneous Logs

- 1-JF (beach seine: Port Angeles
embayment):
Peninsula College, 1971.



Liparis cyclopus

Cyclopteridae

Published Records

- 1-S (Seattle):
 Jordan and Starks, 1896.
 1-SJ: Starks, 1911.
 1-JF (Port Angeles): Burke, 1930.

University of Washington
Museum Collection

- 3-SJ: 1197; 14798; 5390.
 1-SJ (Deer Harbor): 1227.
 1-SJ (off Flat Point): 1343.
 2-SJ (West Sound): 2197; 2228.
 1-SJ (Blind Bay): 2247.
 1-SJ (off Brown Island): 2997.
 1-SJ (East Sound): 6208.
 1-AI (Bywater Bay): 14679.
 1-CP (Point Defiance): 14781.
 1-JF (one mile north of Smith
 Island): 14794.
 1-CS (off Cultus Bay):
 5925 (also boat 5032A).
 1-S (beach seine: Golden Gardens):
 16271.
 1-SJ (San Juan Channel): 1325.
 1-SJ (off Deadman Bay, near
 international line): 11680.
 1-SJ (off Bellevue Point, near
 international line): 16416.
 1-SJ: 16418.

Friday Harbor Laboratory Log

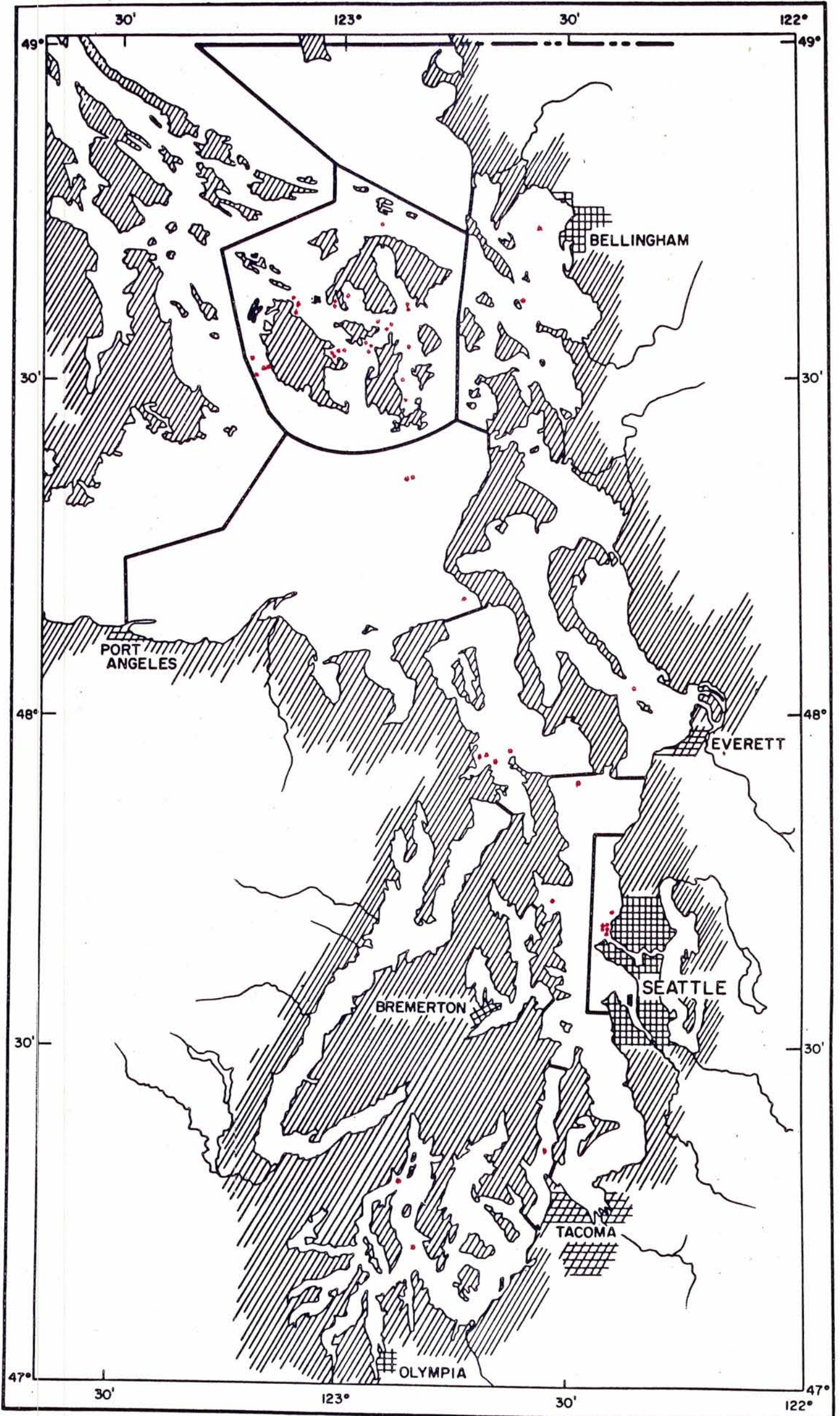
- 1-SJ (Upright Head): 8/3/60.
 2-SJ (Argyle Bay):
 8/11/60-4; 7/15/63.

University of Washington Boat Log

- 1-HC (off Sisters buoy): 499C.

Miscellaneous Logs

- 4-CS (Port Madison):
 Van Cleve, trap, 1961-65.
 3-SS (Eld Inlet entrance):
 Van Cleve, trap, 1961-65.



Liparis dennyi

Cyclopteridae

Published Records

- 1-JF (off Ebeys Landing):
Evermann and Goldsborough, 1907
(as corrected by Burke, 1930).
2-AI (north of Tala Point; mouth of
Hood Canal):
Evermann and Goldsborough, 1907
(as corrected by Burke, 1930).
1-SJ: Burke, 1930.
1-AI: Jordan and Starks, 1896.
1-AI (Port Ludlow): Starks, 1896b.
1-SJ: Gilbert and Thompson, 1905.
1-SJ: Starks, 1911.
1-SJ: Shelford et al., 1935.

University of Washington
Museum Collection

- 2-SJ (Deer Harbor): 1228; 1284.
2-SJ (near Olga): 1283; 1207.
1-SJ (northeast side of San Juan
Island): 1295.
2-SJ (Lopez Island to Blakely
Island): 1304; 1307.
3-SJ (Friday Harbor):
1624; 2101; 2203.
2-SJ (Flat Point): 1770; 2273.
2-SJ: 5390; 1215.
1-SJ (west of Ran Island):
5832 and 5834 (also boat 491P).
2-JF (one mile north of Smith
Island): 14736; 14767.
1-SJ (north of Orcas Island):
14779.
1-S (off Carkeek Park):
14795 (also boat 5039B).
1-AI (Foulweather Bluff): 3041.
1-SJ (O'Neal Island): 1772.
1-E (Saratoga Pass. to Port Susan):
2928.
1-CP (Colvos Pass.): 14786.
1-CS (Possession Point to Point No
Point): 5573.
1-B (east northeast of Vendovi
Island): 6057.
1-S (off Golden Gardens): 8508.
1-S (beach seine: Golden Gardens):
14797.
1-SJ (off Bellevue Point, near
international line): 16417.
1-SJ (Lime Kiln): 1114.
1-SJ (Flat Point to Canoe Island):
1771.
1-SJ (West Sound): 2227.
1-SJ (Harney Channel): 2256.
1-SJ (off Brown Island): 2993.
1-SJ (off Deadman Bay, near
international line): 11680.
1-SJ (Upright and vicinity): 14124.

Friday Harbor Laboratory Log

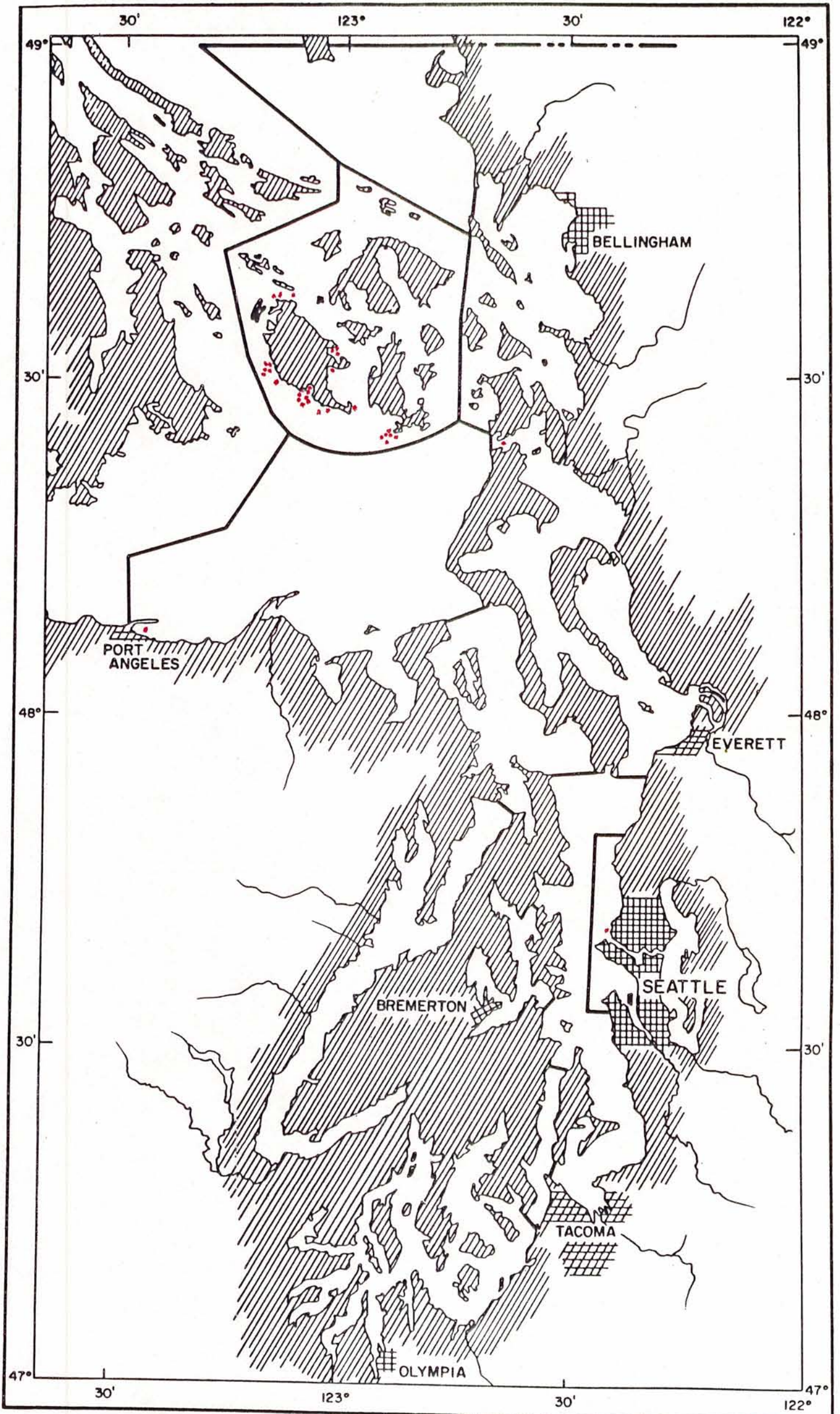
- 1-SJ (Mineral Point): 8/25/55-3.
1-SJ (Upright Head): 8/3/60.
1-SJ (Lopez Sound): 8/22/60-4.
1-SJ (Deadman Bay): 6/22/63.

University of Washington Boat Log

- 2-S (beach seine: Golden Gardens):
5324E; 6518B.

Miscellaneous Logs

- 1-CS (Port Madison):
Van Cleve, trap, 1961-65.
1-S (Golden Gardens to Meadow
Point):
U.W. Ocean., Hoh, 1963-68.
1-SS (Case Inlet, off Taylor Bay to
off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
1-B (Bellingham Bay, mid-channel,
off Nooksack Flats):
Sea Grant, 72035.
1-SS (mid-channel, McLane Cove to
Stretch Island):
Sea Grant, 1973.



Liparis florae

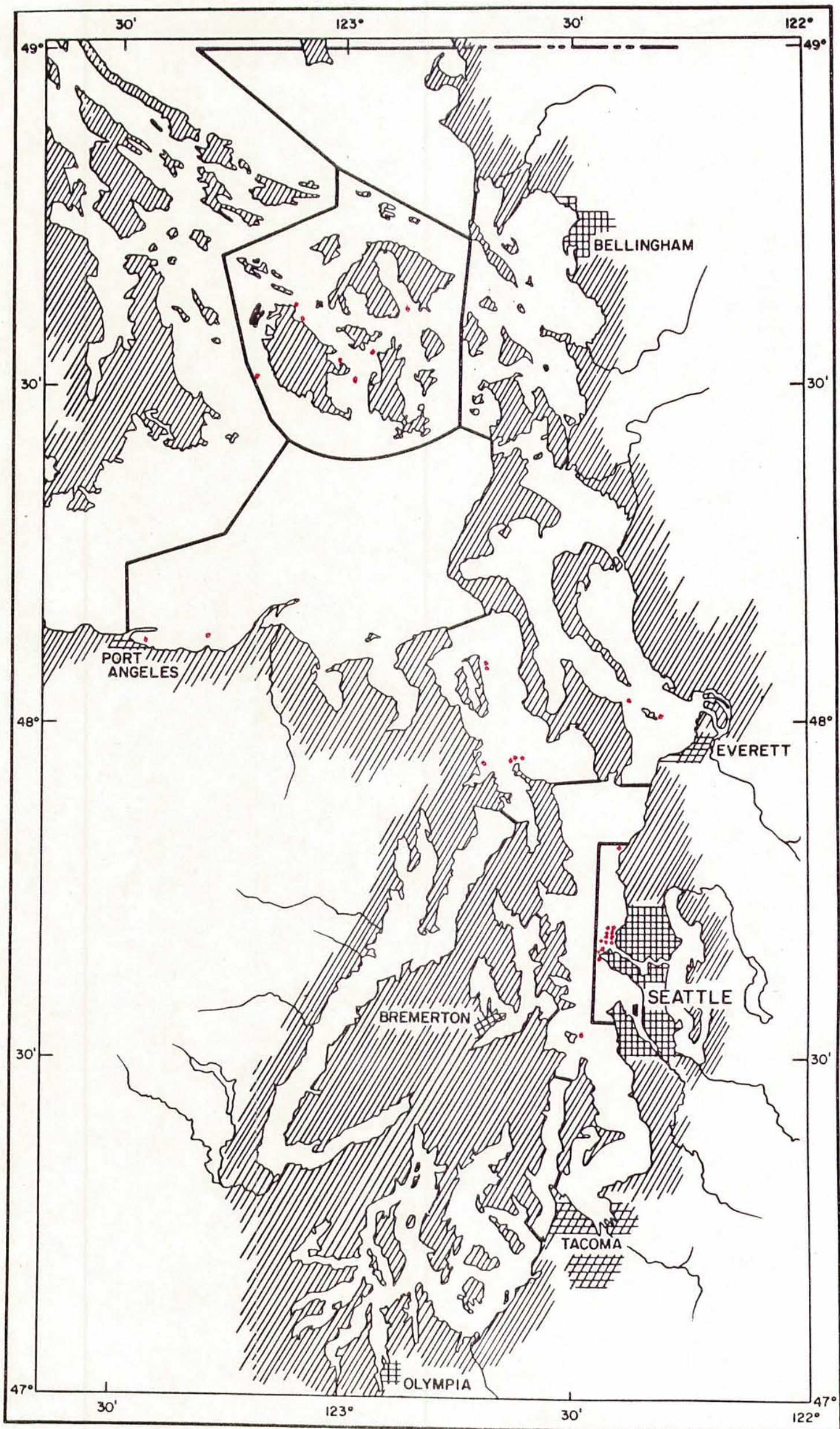
Cyclopteridae

University of Washington
Museum Collection

- 1-E (Deception Pass.): 168.
 1-SJ (Lime Kiln): 1034.
 1-SJ (two miles south of Lime Kiln):
 1064.
 3-SJ (Kanaka Bay):
 1081; 1153; 1253.
 2-SJ (False Bay): 1273; 6201.
 1-SJ (False Bay reef): 1486.
 1-SJ (Friday Harbor): 3705.
 1-S (Golden Gardens): 14772.
 2-SJ (Iceberg Point):
 14790; 17981 (also Friday Harbor
 log, 7/18/63-2).
 1-SJ (Hannah Heights): 17992 (also
 Friday Harbor log, 8/3/63).
 1-SJ (point east of Eagle Cove):
 17410 (also Friday Harbor log,
 8/5/63).
 1-JF (Port Angeles): 19612.

Friday Harbor Laboratory Log

- 2-SJ (Friday Harbor lab):
 8/18/55; 7/17/69-2.
 1-SJ (west of Goose Island):
 7/13/50-5.
 1-SJ (Iceberg Point tidepool):
 8/22/60-1.
 4-SJ (Deadman Bay): 6/22/63;
 8/2/63; 7/3/67; 7/11/67-1.
 1-SJ (Limestone Point): 6/23/63.
 1-SJ (Argyle Bay): 7/15/63.
 3-SJ (Iceberg Point):
 7/19/63-2; 7/7/67; 6/30/69-5.
 1-SJ (Hannah Heights): 7/6/67.
 1-SJ (Eagle Point): 7/5/67.
 2-SJ (False Bay):
 7/18/67; 7/1/69-4.



Liparis fucensis

Cyclopteridae

Published Records

- 1-JF (beach seine: Port Angeles):
Gilbert, 1895.
1-AI (Port Ludlow): Starks, 1896b.
1-SJ (near Friday Harbor):
Powers, 1921.
1-AI (Foulweather Bluff):
Hart, 1935.

University of Washington
Museum Collection

- 1-SJ (San Juan Channel): 1237.
1-SJ (East Sound entrance): 1292.
1-SJ (off Flat Point): 1348.
1-SJ (Rocky Point, San Juan Island):
2211.
1-E (east of Gedney Island): 2576.
1-E (Saratoga Pass., Sandy Point):
2666.
2-AI (Foulweather Bluff):
4847; 5117.
1-JF (off Green Point, 15 fathoms):
4955.
1-S (Edmonds Beach): 5452.
1-S (off Golden Gardens):
5884 (also boat 5029B).
1-S (off West Point):
8119 (also boat 5103I).
1-S (Golden Gardens): 14765.
1-CS (off east end of Blake Island):
14789.
1-S (beach seine: Golden Gardens):
16270.
1-SJ (off Deadman Bay, near
international line): 11680.

Friday Harbor Laboratory Log

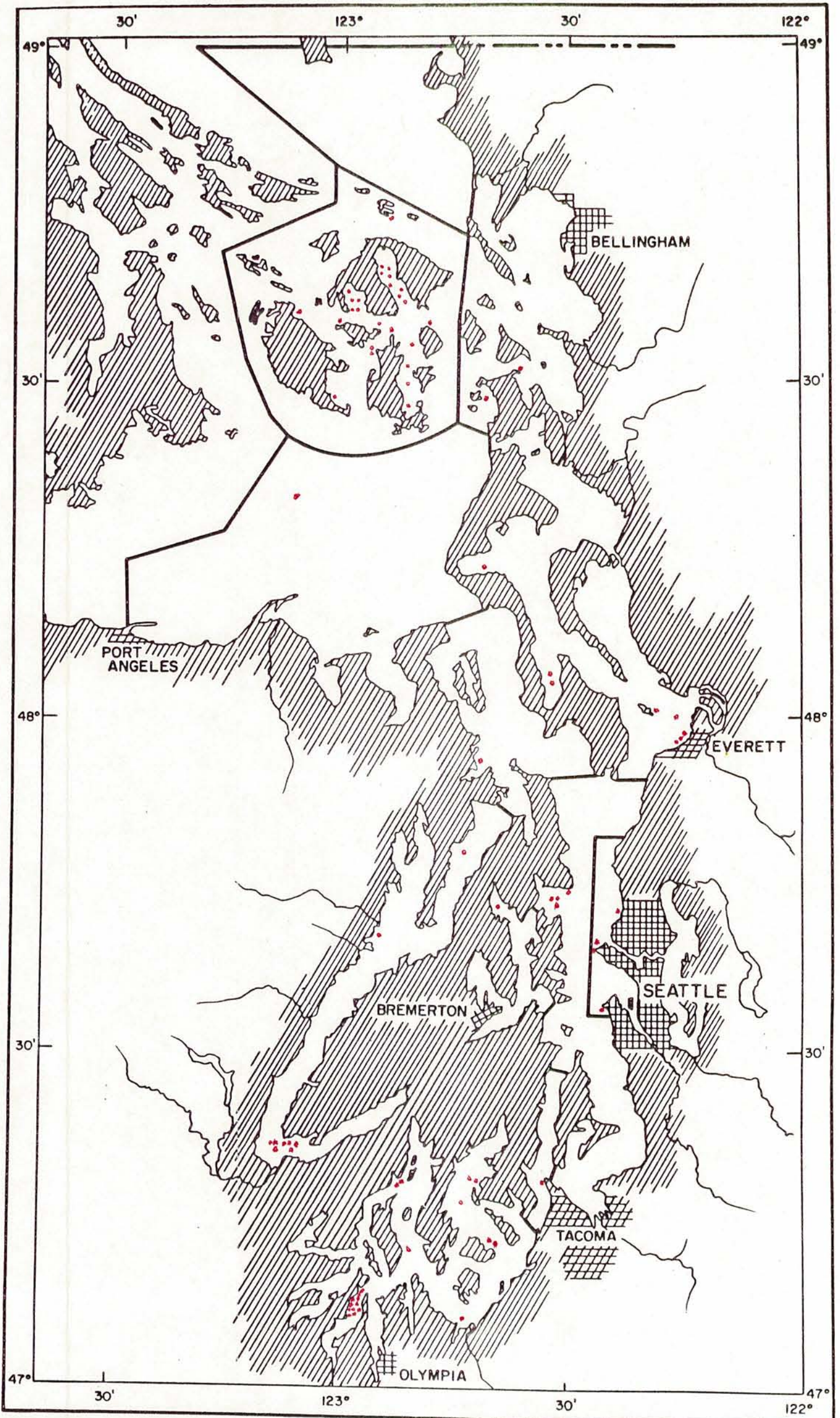
- 1-SJ (off Mineral Point):
8/25/55-3.

University of Washington Boat Log

- 2-S (off Golden Gardens):
5029B; 5131C.
4-S (beach seine: Golden Gardens):
5047A; 5134A; 5214F; 6513A.
2-AI (training cruise area: east of
north Marrowstone Island):
6603J; 6614J.

Miscellaneous Logs

- 1-S (off northwest side of West
Point): Sea Grant, 1973.
1-S (deep otter trawl: off West
Point): Sea Grant, 1973.



Liparis pulchellus

Cyclopteridae

Published Records

- 1-AI (Port Ludlow): Starks, 1896b.
 1-PS: Jordan and Starks, 1896.
 1-SJ: Starks, 1911.
 1-SJ: Shelford et al., 1935.
 1-E (Coupeville): Smith, 1936.
 1-CS (beach seine: south side of Point Jefferson): Kendall, 1966.

University of Washington
Museum Collection

- 1-B (Anacortes): 61.
 1-SJ (near Peavine Pass.): 1202.
 1-SJ (between Lopez Island and Blakely Island): 1305.
 1-SJ (near Orcas Island): 1321.
 1-HC (Brinnon): 1346.
 2-SJ (Flat Point): 2084; 2218.
 1-SJ (Rocky Bay): 2146.
 1-SJ (Griffin Bay): 2160.
 1-JF (Hein Bank): 2221.
 3-SJ (West Sound):
 2229; 8204; 19652.
 1-SJ (Wasp Pass.): 1768.
 1-E (east of Gedney Island): 2575.
 1-E (off Snohomish River): 2621.
 1-B (Burrows Bay): 4177.
 1-S (Carkeek Park): 5566.
 1-CS (off Indianola):
 5889 (also boat 3/25/49-3).
 1-PO (Liberty Bay): 14785.
 1-HC (off Thorndike Bay):
 8203 (also boat 499J).
 1-CP (Point Defiance Beach): 14776.
 1-SJ (west of Ram Island):
 5833 (also boat 491P).
 1-SJ (Sucia Island): 1769.
 1-SJ (Harney Channel): 2260.
 5-SJ (East Sound):
 2292; 14775 (also Friday Harbor log, 8/11/52); 19656 (also NIH, 1964-66); 19649; 19669.
 1-SJ (south of Spencer Spit): 6039.
 1-GS (Point Roberts): 6118.

Friday Harbor Laboratory Log

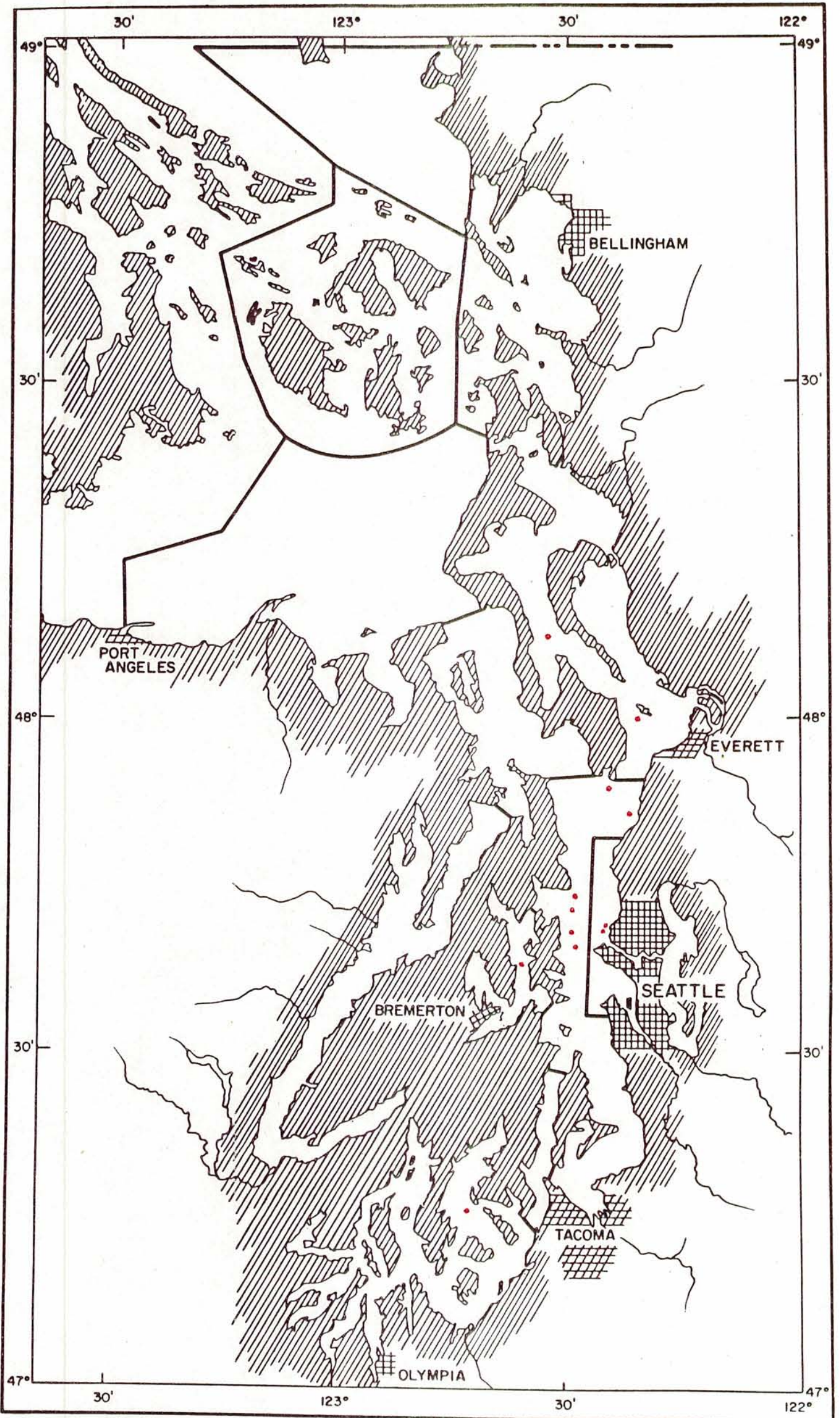
- 1-SJ (East Sound): 8/11/52.
 1-SJ (Upright Head): 8/3/60.
 1-SJ (Lopez Sound): 8/22/60-4.
 2-SJ (West Sound):
 8/4/61-1; 6/20/69-2.

University of Washington Boat Log

- 1-SS (Carr Inlet, east of Cutts Island): 5037D.
 1-SS (Carr Inlet, off Gertrude Island): 5046D.
 1-CS (Port Madison): 5048B.
 1-SS (mouth of Carr Inlet, mid-channel, west of Gibson Point): 5104C.
 1-SS (Carr Inlet, west of Green Point): 5104S.

Miscellaneous Logs

- 1-SS (Carr Inlet, west of Cutts Island): 5104Z.
 2-E (Holmes Harbor): 5405D; 5614D.
 2-SS (trap area: Eld Inlet entrance): 6217; 6219.
 2-SJ (East Sound, north of Rosario Point): 7010H; 7017H.
 2-E (Port Gardner Bay):
 U.W. Ocean., 1962-67.
 1-SS (Case Inlet, off Taylor Bay to off Whiteman Cove):
 U.W. Ocean., Hoh, 1963-67.
 1-E (Everett Harbor):
 NMFS Cobb, 1/20/61
 1-CS (Port Madison):
 Van Cleve, trap, 1961-65.
 11-SS (Eld Inlet entrance):
 Van Cleve, trap, 1961-65.
 1-SS (off Nisqually River-McAllister Creek Flats): Sea Grant, 72034.
 1-S (beach seine: north side of West Point): Sea Grant, 1973.
 1-S (deep otter trawl: off West Point): Sea Grant, 1973.
 1-S (southwest of Alki Point):
 Sea Grant, 1973.
 2-SS (mid-channel McLane Cove to Stretch Island):
 Sea Grant, 1973-74.
 1-HC (off Union): Sea Grant, 1973.
 3-HC (mid-channel, off Union):
 Sea Grant, 1973.
 1-HC (off Skokomish Flats):
 Sea Grant, 1973.
 2-HC (mid-channel, off Skokomish River Delta): Sea Grant, 1973.



Nectoliparis pelagicus

Cyclopteridae

University of Washington
Museum Collection

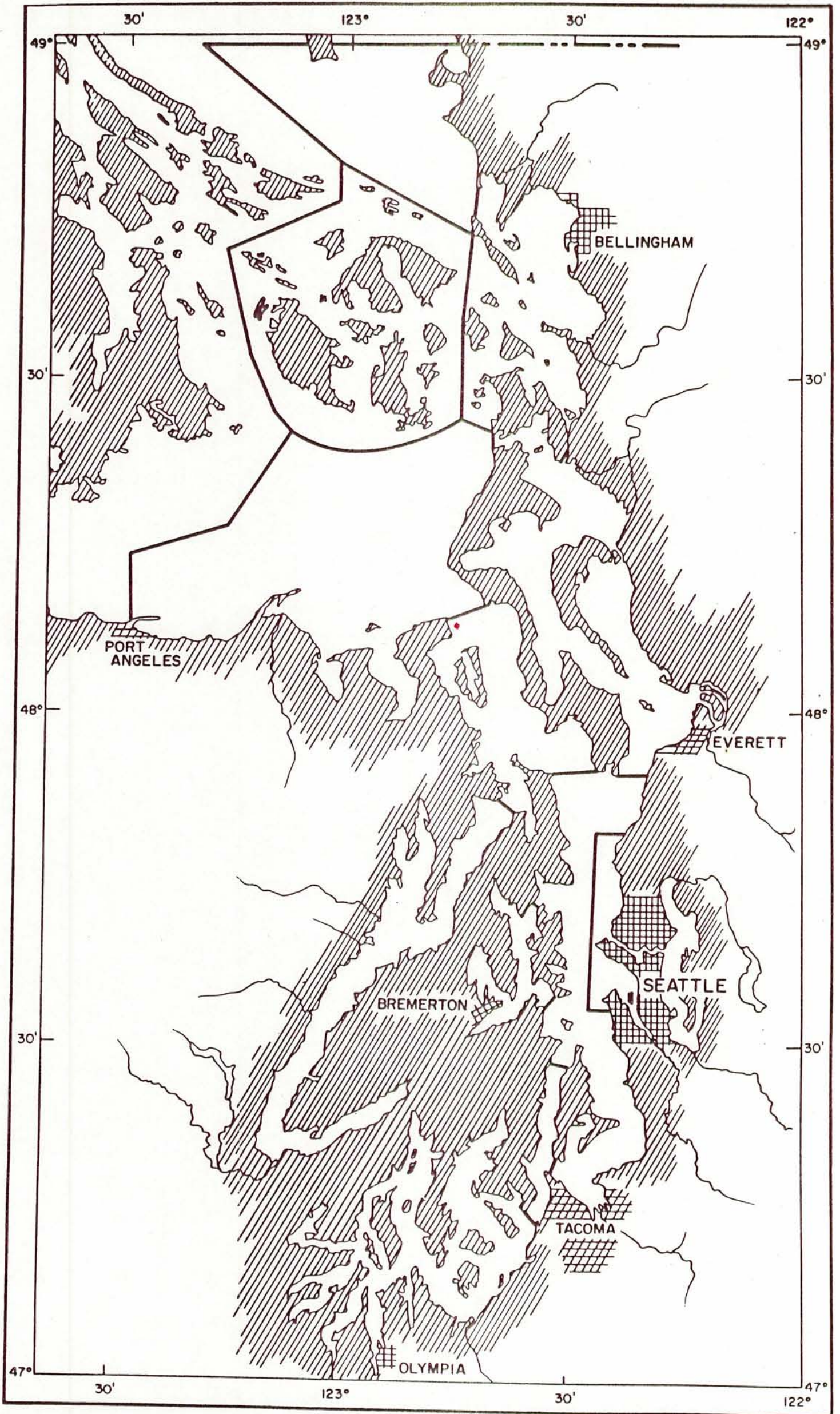
- 1-CS (off southwest of Norma Beach):
19184 (also NMFS, Cobb 75).
1-E (off Gedney Island): 19185.
1-S (off Golden Gardens):
19166 (also NMFS, Cobb 75).
1-E (Saratoga Pass., north of Holmes
Harbor): 19167.
1-S (off Golden Gardens): 8509.

University of Washington Boat Log

- 1-CS (training cruise area: mid-
channel, Skiff Point to West
Point): 7213B.

Miscellaneous Logs

- 3-CS (Skiff Point to Point
Jefferson): U.W. Ocean., herring
trawl, 1968-69.
1-SS (mouth of Carr Inlet): U.W.
Ocean., herring trawl, 1968-69.
1-PO (south of Fletcher Bay): U.W.
Ocean., herring trawl, 1968-69.
1-CS (south of Possession Point):
NMFS, Cobb, 2/28/73.

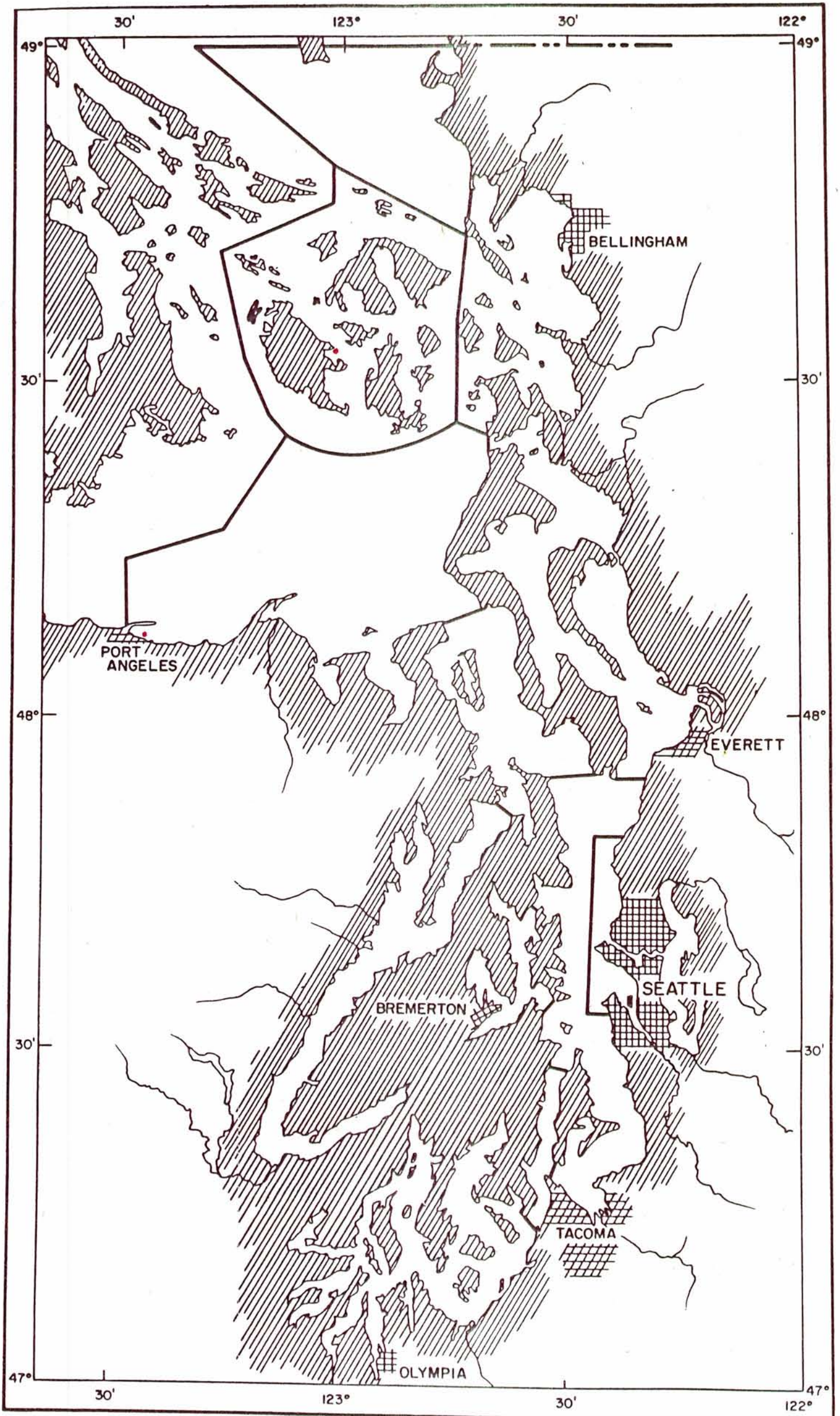


Polyperc. beringiana

Cyclopteridae

Published Records

1-AI (Port Townsend): Burke, 1930.



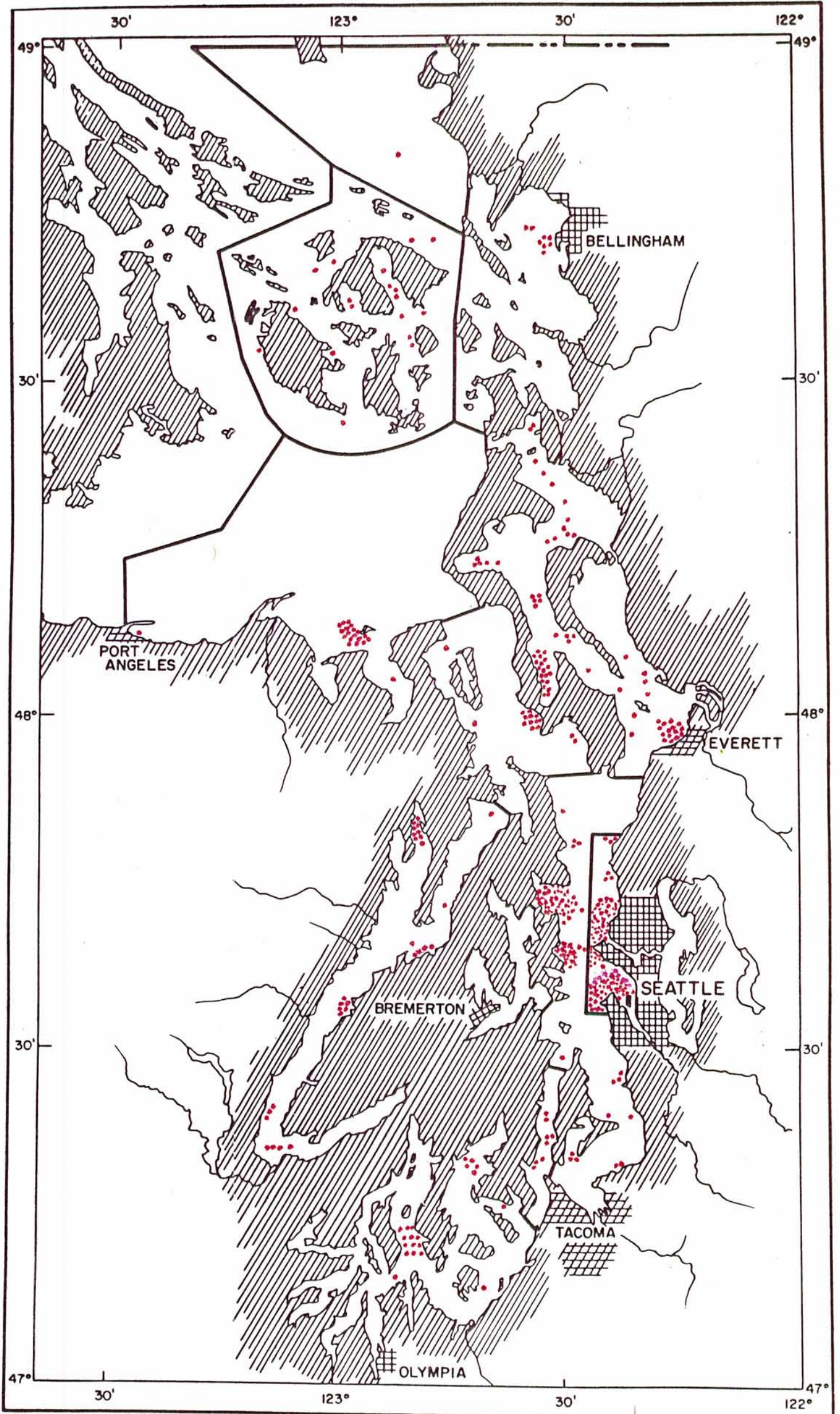
Polypera greeni

Cyclopteridae

Published Records

1-PS: Kincaid, 1919.

University of Washington
Museum Collection1-SJ (Friday Harbor lab dock):
10441.Miscellaneous Logs1-JF (beach seine: Port Angeles
embayment):
Peninsula College, 1971.



Citharichthys sordidus

Bothidae

Published Records

- 1-PS: Jordan and Gilbert, 1882.
 1-JF (beach seine: Port Angeles):
 Gilbert, 1895.
 1-PS: Kincaid, 1919.
 1-GS: Smith, 1936.
 3-E (Coupeville): Smith, 1936.
 1-SS (Hale Pass.): Smith, 1936.
 2-B (Bellingham Bay): Smith, 1936.
 1-SJ (Obstruction Island):
 Smith, 1937.
 3-HC (Hoodsport): Smith, 1937.
 2-E (Columbia Beach; Gedney Island):
 Smith, 1937.
 1-SS (Anderson Island):
 Smith, 1937.
 1-CS (north of Point Pully):
 Smith, 1937.
 2-E (Skagit and Similk Bays):
 Stober and Salo, 1970b.
 1-E (Similk Bay):
 Stober and Salo, 1970a.
 36-S (Duwamish Head): Salo, 1969.
 1-E (Port Gardner Bay): Salo, 1969.
 2-E (Skagit Bay): Salo, 1969.
 1-S (Seattle Harbor):
 Townsend, 1935.
 2-E (Saratoga Pass.; Utsalady):
 Townsend, 1935.
 2-SJ (Blakely Island; San Juan
 Island): Townsend, 1935.
 2-CS (Dumas Bay): Miller, 1971b
 (also NIH, 71105 and 71106).
 2-CS (Seahurst County Park):
 Miller, 1971a (also NIH, 71101
 and boat 7113).
 4-HC (Anderson Cove): Chew, 1970.

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Museum Collection

- 1-SJ (Friday Harbor): 859.
 1-E (Utsalady): 864.
 1-SJ (Lopez Island to Blakely
 Island): 1310.
 1-SJ (San Juan Island): 1429.
 1-PS: 1865.
 1-E (Saratoga Pass., Camano Head):
 2541.
 1-S (Seattle Harbor): 3088.
 1-E (Holmes Harbor): 3686.
 2-S (North Beach): 4496; 4629.
 1-S (beach seine: spit near Ballard
 Locks): 4587.
 1-CP (south end of West Pass.):
 5658 (also boat 7/21/49-1).
 1-CP (off Camp Sealth):
 5821 (also boat 5009F).
 1-AI (Oak Bay, north of Olele
 Point): 5823 (also boat 5009C).
 2-S (off Golden Gardens):
 5966 (also boat 5007C); 6017
 (also boat 494B).
 1-S (Richmond Beach): 11575.
 1-E (Holmes Harbor, off Dines
 Point): 6145.

- 1-E (off Mission Bar):
 5992 (also boat 5023F).
 1-S (beach seine: south of Edmonds):
 10366.
 1-E (Port Susan, off Spee-Bi-Dah):
 14816 (also boat 5023D).
 1-HC (off Sisters light buoy):
 6113.
 1-SJ (off White Rock): 14849.

Friday Harbor Laboratory Log

- 1-SJ (off northwest of Barnes
 Island):
 6/20/50-3 (also boat 5033J).
 1-SJ (Salmon Banks): 7/7/52-3.
 2-SJ (East Sound):
 8/11/52; 7/26/60.
 1-SJ (Presidents Channel): 8/20/60.
 2-SJ (West Sound):
 6/26/61; 6/20/69-2.
 1-SJ (Smallpox Bay): 7/13/61.
 1-SJ (Upright Head to Olga):
 8/1/60-2.

University of Washington Boat Log

- 1-SJ (off Raccoon Point toward
 Barnes Island): 491F.
 1-SJ (training cruise area: East
 Sound, north of Rosario Point):
 6614H.
 1-B (Bellingham Bay): 6822G.
 5-B (Bellingham Bay, training cruise
 area, southwest of Post Point):
 6603G; 6620G; 7118G; 7010G;
 7017G.1.
 1-E (off Tulalip Bay): 7/1/49-1.
 1-E (Penn Cove mouth, off Long Point
 to off Snatelum Point): 5213A.
 6-E (Holmes Harbor, south of
 Classic):
 5234E; 5307P; 5312B,C; 5316D,E.
 11-E (Holmes Harbor):
 5305L,M; 5327A,B; 5405A,D,F;
 5418C; 5420B,C; 5604D.
 1-E (Holmes Harbor, Rocky Point to
 Dines Point): 5307K.
 1-E (Penn Cove, off Coupeville to
 Lovejoy Point): 5316I.
 4-E (Saratoga Pass., Onamac Point to
 Indian Beach):
 5321L; 5405L,N; 5418L.
 1-E (Holmes Harbor, Dines Point to
 Classic): 5312J.
 3-E (Elger Bay): 5321N; 5418I,J.
 1-E (Saratoga Pass., off Saratoga to
 Langley): 5321O.
 1-E (Saratoga Pass., off Cama Beach
 to Lowell Point): 5712D.
 8-HC (Dabob Bay, Broad Spit to Long
 Spit): 6629A; 7702D,F; 6804G,H;
 7202D,H,I.
 2-HC (Anderson Cove): 7009B,D.

Citharichthys sordidus

Bothidae

University of Washington Boat Log

- 11-CS (Port Madison):
1/22/49/2,4,5; 3/25/49-3;
6/30/49; 492A; 5043A; 5122A;
5812A; 5932A; 6204B.
- 3-CS (mouth of Quartermaster Harbor): 5042A; 5104B; 5115H.
- 1-CS (off Port Madison): 5043B.
- 1-CS (Tramp Harbor): 5104A.
- 1-CS (north of Des Moines): 5224A.
- 5-CS (Port Madison, off Agate Pass.): 5232A; 5236A; 5302AA; 5310.2F; 5317C.
- 1-CS (west of Point Monroe): 5315D.
- 1-CS (off Fay Bainbridge State Park): 5805A.
- 4-CS (east of Point Monroe): 5805C; 5813A,B,C.
- 1-CS (mid-channel, Meadow Point to Port Madison): 5911B.
- 1-CS (training cruise area: mid-channel, Skiff Point to West Point): 7308B.
- 24-CS (Murden Cove): 6610A,C,D; 6616; 6710A; 6713C,D,G,H; 6812D, E; 6818A,B,C; 6819X; 6906B,D,E; 6912; 7008A; 7108A,B,C,D.
- 1-CS (Port Madison, trap): 6213-3.
- 3-CS (off Murden Cove): 6710A2,B2,C2.
- 1-CS (Vashon Island, off Sylvan Beach): 6703A.
- 1-CS (off West Point): 7017Y.
- 8-PO (off Fletcher Bay to south of Battle Point and Brownsville): 5230F; 5232C; 5235P; 5317A; 6016B5; 6111A; 6205D2; 6507K.
- 1-PO (off Manzanita to Seabold): 5310.5B.
- 1-PO (Agate Pass., buoy N4 to N6): 5310.5F.
- 1-PO (off south of Fletcher Bay): 5413D.
- 5-PO (most off Fletcher Bay): 6203B; 6204A; 6214; 7107A,B.
- 1-PO (south of Agate Pass. Bridge): 6711A.
- 9-S (beach seine: Golden Gardens to Meadow Point): 5007D; 5015A; 5018A; 5032.1A; 5215B; 5914A; 5925B; 6513A; 6518B.
- 11-S (off Meadow Point to Carkeek Park): 5020A; 5039E; 5041B; 5203A; 5211B,C; 5212B,E,F; 5216A; 5233A.
- 69-S (off Golden Gardens to Meadow Point): 491A; 492F; 493B; 494C, E; 495D; 496A,C; 498B; 4910A; 5009L; 5014C; 5017C; 5028A,B,C; 5029B,C; 5034B,D; 5039D; 5110B,C; 5112B,C; 5119C,D,G,H; 5129C; 5131C; 5132A; 5203C,D; 5210A,C; 5314C; 5324C; 5329C,D; 5512E; 5516C; 5521A; 5607B; 5702AN; 5704E; 5707J,K; 5907B,C,D; 5911A;
- 5920A,B,E,F; 5924C; 6010C; 6018A; 6112A,B,C; 6114A; 6206B; 6311A,D; 6506A,C; 6510C.
- 2-S (off Meadow Point to Carkeek Park): 5606A; 6414B.
- 1-S (Alki Point to Duwamish Head): 5027A.
- 1-S (off Four-Mile Rock to Pier 91): 5027C.
- 1-S (south of West Point to off Four-Mile Rock): 5027D.
- 2-S (off Edmonds): 6119R,T.
- 1-S (beach seine: north side of West Point): 7311C.
- 1-S (off West Point sewer outfall): 6718-6.
- 2-CP (off Camp Sealth): 5104CC,DD.
- 1-CP (off north of Sandford Point): 7/18/49-1.
- 1-CP (off Paradise Cove to Point Sandford): 5126N.
- 3-SS (Carr Inlet, off Glen Cove): 5101E; 51040; 5201A.
- 2-SS (off Cutts Island): 5104K,AA.
- 1-SS (Dana Pass.): 5201J.

Miscellaneous Logs

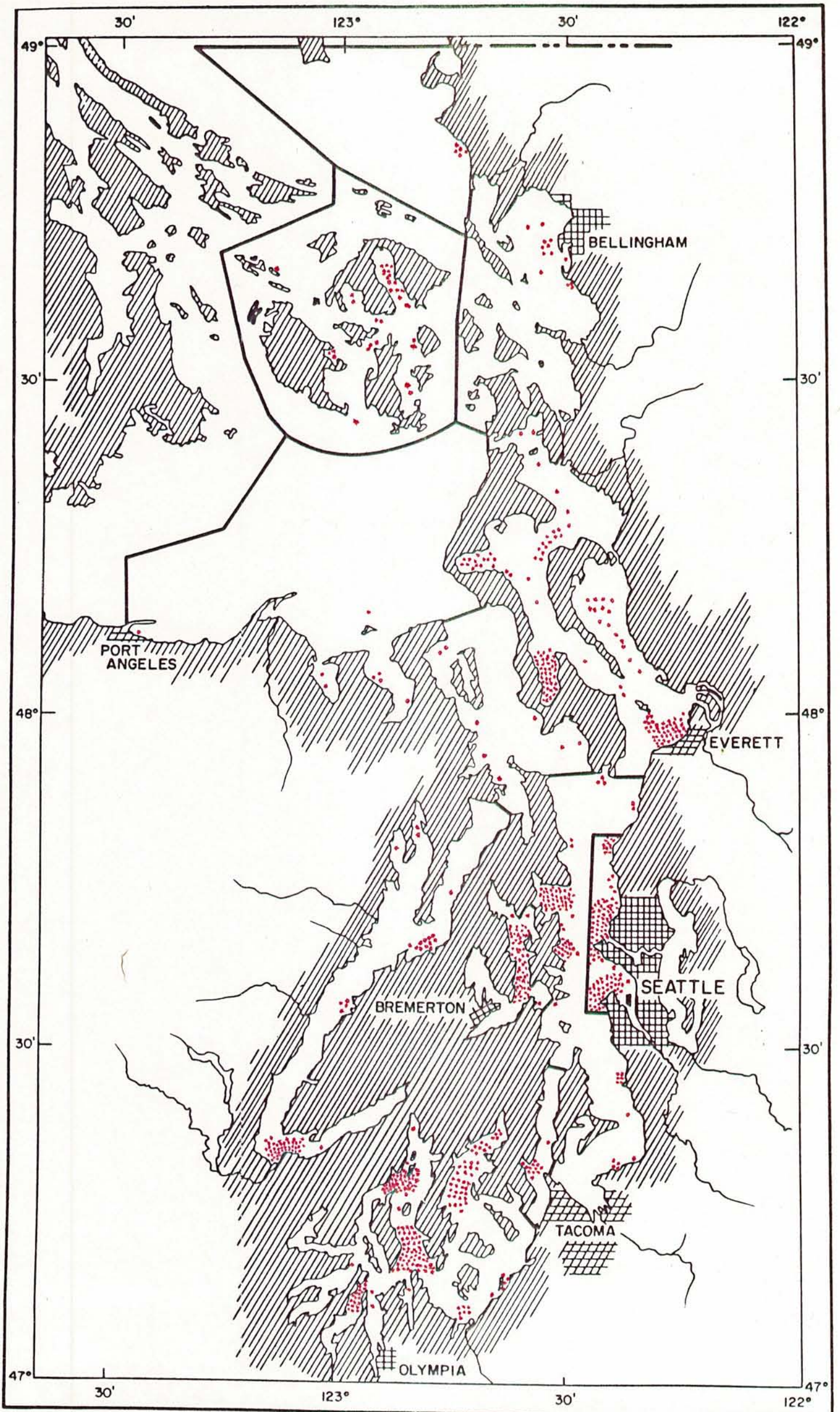
- 2-E (Skagit and Similk Bays): WSDF, Sport Fish., 1965-70.
- 2-E (Everett): WSDF, Sport Fish., 1965-70.
- 4-S (Elliott Bay): WSDF, Sport Fish., 1965-70.
- 21+-HC: WSDF, Sport Fish., 1965-70.
- 50+-S (Duwamish Head to Alki Point): U.W. Ocean., 1964-67.
- 11-E (Port Gardner Bay): U.W. Ocean., P.G., 1962-67.
- 2-PO (south of Fletcher Bay): U.W. Ocean., P.O., 1964-65.
- 46+-S (Golden Gardens to Meadow Point): U.W. Ocean., Hoh, 1963-68.
- 2-S (Richmond Beach): U.W. Ocean., Hoh, 1963-68.
- 2-S (Meadow Point): U.W. Ocean., Hoh, 1963-68.
- 1-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
- 1-HC (Seabeck): U.W. Ocean., Hoh, 1963-67.
- 12-SS (Case Inlet, off Taylor Bay to off Whiteman Cove): U.W. Ocean., Hoh, 1963-67.
- 29-CS (Port Madison): U.W. Ocean., Hoh, 1963-68.
- 2-E (off Demock Point to Utsalady): U.W. Ocean., Hoh, 1963-67.
- 1-E (Port Gardner Bay): U.W. Ocean., Hoh, 1963-67.
- 3-CS (Apple Cove Point): U.W. Ocean., Hoh, S.J., 1966.
- 1-CS (Pilot Point): U.W. Ocean., Hoh, S.J., 1966.

Citharichthys sordidus

Bothidae

Miscellaneous Logs

- 2-AI (Useless Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 1-AI (Mutiny Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 1-AI (Port Townsend Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 1-JF (Port Discovery):
U.W. Ocean., Hoh, S.J., 1966.
- 1-E (Utsalady):
U.W. Ocean., Hoh S.J., 1966.
- 18-JF (west of Protection Island):
NMFS, Cobb, 2/18/73.
- 1-CP (off Gig Harbor Spit): Sea
Grant, 72003 (also boat 7208).
- 1-CP (off Gig Harbor Spit):
Sea Grant, 72025.
- 2-HC (off Big Beef Harbor):
Sea Grant, 1972.
- 1-E (east and northeast of Gedney
Island):
NMFS, Streeter, 2/21/73.
- 2-S (beach seine: north side of West
Point): Sea Grant, 1973.
- 10-S (off northwest side of West
Point): Sea Grant, 1973.
- 13-S (off southwest side of West
Point): Sea Grant, 1973.
- 3-S (north of Meadow Point to
Carkeek Park): Sea Grant, 1973.
- 8-S (southwest of Alki Point):
Sea Grant, 1973.
- 3-S (deep otter trawl, off southwest
of Alki Point): Sea Grant, 1973.
- 2-HC (off southwest of Big Beef
Harbor): Sea Grant, 1973.
- 1-HC (mid-channel, off Union):
Sea Grant, 1974.
- 3-HC (mid-channel, off Skokomish
River Delta):
Sea Grant, 1973-74.
- 1-HC (off Carlson Point to King
Spit): Sea Grant, 73039.
- 5-AI (Mutiny Bay):
Sea Grant, 73049.
- 2+-AI (Mutiny Bay): L. Moulton,
Sport Catch, 7/25/73.
- 1-SJ (Rocky Bay): Doug Olander,
Sport Catch log, 1972-73.
- 1-SJ (East Sound, south of Rosario
Point): NIH, 1964-66.
- 22-S (Golden Gardens to Carkeek
Park): NIH, 1968-71.
- 11-CS (Port Madison):
Van Cleve, trap, 1961-65.
- 1-PO (off Fletcher Bay):
Van Cleve, trap, 1961-65.



Citharichthys stigmaeus

Bothidae

Published Records

- 1-S (Seattle):
Evermann and Goldsborough, 1907.
- 1-AI (north of Tala Point):
Evermann and Goldsborough, 1907.
- 1-SJ: Starks, 1911.
- 1-PS: Kincaid, 1919.
- 1-HC (Holly):
Schultz and DeLacy, 1935-36.
- 1-B (Bellingham Bay): Smith, 1936.
- 1-HC (Bangor): Smith, 1936.
- 1-JF (Sequim Bay): Smith, 1936.
- 1-SS (Dofflemeyer Point):
Smith, 1937.
- 1-E (Kiket Island):
Stober and Salo, 1970b.
- 78-S (Duwamish Head): Salo, 1969.
- 3-E (Port Gardner Bay): Salo, 1969.
- 4-E (Skagit Bay): Salo, 1969.
- 4-CS (beach seine: south side of
Point Jefferson): Kendall, 1966.
- 1-S (Seattle Harbor):
Townsend, 1935.
- 1-E (Saratoga Pass.):
Townsend, 1935.
- 4-SJ (Blakely Island; Orcas Island;
Lopez Island; Harney Channel):
Townsend, 1935.
- 4-CS (Dumas Bay): Miller, 1971b
(also NIH 71105 and 71106).
- 6-CS (Seahurst County Park):
Miller, 1971a (also boat 7113;
NIH 71101).
- 2-S (beach seine: Golden Gardens):
Kendall, 1966.
- 1-JF (Dallas Bank): 5386.
- 1-SS (northwest end of Stretch
Island):
5669 (also boat 7/20/49-1).
- 2-CS (Port Madison, off Indianola):
5891 (also boat 3/25/49-3); 6160.
- 1-SS (beach seine: mainland opposite
Stretch Island):
6123 (also boat 7/20/49-2).
- 1-SS (beach seine: one mile north of
Minter Creek): 14840.
- 1-HC (seven miles east of Union):
14871.
- 1-SJ (Johns Island, second bay):
16496.
- 1-AI (off Useless Bay):
5641 (also boat 5/7/49-1).
- 2-CS (off Cultus Bay):
5641 (also boat 5/7/49-2,3).
- 1-SJ (East Sound, south of Rosario
Point):
18670 (also NIH, 1964-66).
- 3-S (off Golden Gardens): 6018
(also boat 494B); 6166; 14711.
- 1-S (off south of Richmond Beach):
4783.
- 2-S (Edmonds): 4913; 6024.
- 1-S (three miles north of Ballard
Locks): 5013.
- 1-S (Ballard Locks tidepool): 5112.
- 1-S (off Blue Ridge): 5052.
- 1-SS (Carr Inlet): 5324.
- 1-SS (off McLane Cove):
5671 (also boat 7/20/49-3).
- 2-S (Carkeek Park): 5996; 6064.
- 1-S (one mile south of Alki Point):
6059.
- 5-S (Golden Gardens):
6098; 8860; 16738; 17968; 18048.
- 2-S (Meadow Point to Spring Beach):
10360; 10367.
- 1-SJ (Lopez Sound):
16685 and 16681.
- 1-SJ (East Sound): 16680 and 16688.
- 1-SJ (East Sound): 18671.
- 1-SJ (mid East Sound): 18672 (also
Friday Harbor log, 6/5/64).

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Friday Harbor Laboratory Log

- 6-S (Alki Point):
795; 800; 801; 1442; 1919; 4828.
- 1-SJ (off Flat Point): 856.
- 1-SJ (East Sound entrance): 1293.
- 1-PS: 1431.
- 1-SJ (west shore of Blakely Island):
2123.
- 1-SJ (Harney Channel): 2264.
- 1-E (Saratoga Pass., Camano Head):
2541.
- 1-E (Saratoga Pass., Sandy Point):
2659.
- 1-S (Seattle Harbor): 3087.
- 1-B (eight miles south of
Bellingham): 3428.
- 1-B (south end of Chuckanut Island):
3865.
- 2-S (Ballard): 4279; 4642.
- 1-AI (Useless Bay): 4414.
- 1-HC (Quilcene Bay): 4447.
- 1-E (near Dewey): 4531.
- 6-S (Edmonds Beach): 4557; 5292;
5440; 5485; 5519; 5467.
- 3-S (off North Beach):
4774; 4784; 5222.
- 1-CS (Redondo Beach): 5310.
- 1-SJ (north of Flat Point):
6/20/50-1 (also boat 5033K).
- 1-SJ (east of Cattle Point):
7/7/52-4.
- 1-SJ (Friday Harbor lab): 8/3/52.
- 1-SJ (Friday Harbor): 8/15-16/52.
- 1-SJ (mid East Sound): 4/3/64.
- 1-SJ (West Sound): 6/20/69-2.
- 1-SJ (Squaw-Ogden): 6/27/69.
- 1-SJ (Friday Harbor lab night
light): 1969.

Citharichthys stigmaeus

Bothidae

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- 7-SJ (training cruise area: East Sound, north of Rosario Point): 6603H; 6614H; 6815H; 7110H; 7118H; 7313H; 7017H.
- 1-SJ (training cruise area: Lopez Sound, southwest of Center Island): 7017I.
- 6-B (training cruise area: southwest of Post Point): 6517G; 6826G; 6603G; 6908G; 7017G; 7307G.
- 4-E (Holmes Harbor, off Dines Point to Classic): 5305C; 5307J; 5312J,K.
- 2-E (Holmes Harbor, off Rocky Point to Dines Point): 5037B,Q.
- 3-E (Holmes Harbor, south of Classic): 5307G; 5312L; 5316D.
- 2-E (beach seine: Good Beach, Penn Cove): 5316G,H.
- 7-E (Holmes Harbor): 5405A,B; 5522D; 5604D,E,H,I.
- 3-E (Penn Cove): 5405K; 5420G; 5810H.
- 1-E (Saratoga Pass., Onamac Point to Indian Beach): 5405M.
- 1-E (Saratoga Pass., off Snatelum Point to Onamac Point): 5712C.
- 1-AI (off White Rock): 499K.
- 1-AI (Oak Bay, north of Olele Point): 5009C.
- 2-HC (Dabob Bay, Broad Spit to Long Spit): 6702D,F.
- 3-HC (Anderson Cove): 7009B,C,D.
- 6-CS (Port Madison): 1/22/49-1,4,5; 5043A; 5131B; 6203A.
- 3-CS (Port Madison, trap): 6213-2,3; 6217-1.
- 1-CS (off Cultus Bay): 5023A.
- 1-CS (north of Des Moines): 5224A.
- 2-CS (beach seine: south of Fay Bainbridge State Park): 5806A,B.
- 1-CS (off Murden Cove): 6710A2.
- 1-PO (buoy N4 to N6, Agate Pass.): 5048A.
- 19-CS (Murden Cove): 6610A,C,D; 6616; 6713D,G,H; 6812B,C,E; 6818A; 6906A,B,C,D,E; 6912; 7108; 7308A.
- 20-PO (off Fletcher Bay to south of Battle Point and Brownsville): 5223B; 5310.3E; 5707A,G; 6016B1, A2,B2,B3,A4,B5,A1,A3,A5; 6119I; 6205D2,D3; 5915B; 6403AF; 6507K; 6707.
- 7-PO (off Manzanita to off Seabold): 5310.1D,.2B,.4B,.5B,.5E; 6215A,B.
- 1-PO (off Battle Point and north): 5310.3A.
- 1-PO (Point Bolin to Keyport): 5310.4E.
- 1-PO (off south of Fletcher Bay): 6016B4.
- 4-PO (most off Fletcher Bay): 6203D; 6713A,F; 7313X.
- 6-PO (beach seine: one mile north of Illahee Dock): 6205A1.1,1.2,2.2,2.1,3.1,3.2.
- 3-PO (between "B-2" and "B-1"): 6205C1,2,3.
- 48-S (off Golden Gardens to Meadow Point): 4/16/49-2,4,5; 495D; 496A,C; 498A; 5009K; 5011D; 5014C; 5017D; 5028B; 5029D; 5034A,B; 5110B,F; 5112C,E; 5119D, H; 5127B; 5132B; 5203C,D; 5408A; 5416A; 5512E,F,G; 5607B; 5704D; 5707K; 5907C,D; 5911A; 5920A,B,E; 6010D; 6018A; 6112A,B,C; 6206B; 6311D; 6506A,C.
- 8-S (off Meadow Point to Carkeek Park): 4/16/49-3; 5039E; 5212A, B,D; 5233A; 5713A; 6510A.
- 8-S (beach seine: Carkeek Park): 5219A,B; 5220C; 5221B,C; 5225B; 5311A; 5808B.
- 1-S (Meadow Point): 6414A.
- 4-S (beach seine: Alki Point to Duwamish Head): 4-6619.
- 1-S (Meadow Point to Richmond Beach): 6429A.
- 1-SS (Carr Inlet): 5522C.
- 91-S (beach seine: Golden Gardens to Meadow Point): 5007D; 5012B; 5021F; 5024A,C,D; 5036A; 5040A; 5047A; 5112G; 5116A,B,D1,E,G1; 5119F; 5121B; 5127C; 5134A; 5137A,B; 5208D; 5209B,C; 5214A,B, C1,C2,D,E,F; 5215U,A,B,E,G,K,L,M; 5320A; 5328A; 5406; 5407; 5412B; 5417A; 5612A; 5706A; 5710A; 5804A; 5807A,B; 5909E; 5913B; 5914A,B; 5920K,N; 5925A; 6110; 6113A,B,C; 6116A; 6207A; 6211; 2-6309; 2-6310; 6311B; 6319; 6411A,B; 6-6417; 6508A,C,D; 6509A,D; 6511D,E,F; 6708A; 6711A2; 6716; 7209B.
- 5-S (beach seine: north side of West Point): 7310A2,A3,B2; 7311A,B.
- 1-CP (off Camp Sealath): 5104CC.
- 1-SS (north end of Pickering Pass. to off McLane Cove): 5009H.
- 1-SS (east side of Cutts Island, Carr Inlet): 5037F.
- 11-SS (Carr Inlet, off Glen Cove to off Raft and Cutts Islands): 5037G; 5045A,H; 5101B,E; 5104L,M, N,O,AA; 5227B.
- 5-SS (off Wauna, Carr Inlet): 5037I; 5045I; 5101A; 5104E; 5126L.
- 7-SS (off Minter Creek to Elgin): 5046C; 5101C; 5102C; 5104I; 5135D; 5213F; 5227D.
- 1-SS (Totten Inlet, off Windy Point to Steamboat Island): 5115D.
- 7-SS (Eld Inlet, trap area, one mile northeast of Flapjack Point): 5115E; 6208A,B; 6217-2,3; 6219-1, 2.

Citharichthys stigmaeus

Bothidae

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- 1-SS (Case Inlet, off Victor):
5126G.
1-SS (Case Inlet, west of Herron
Island): 5126H.
1-E (Port Susan, off Kayak Point):
6702B.
1-E (off Tulalip): 7/1/49-1.

Miscellaneous Logs

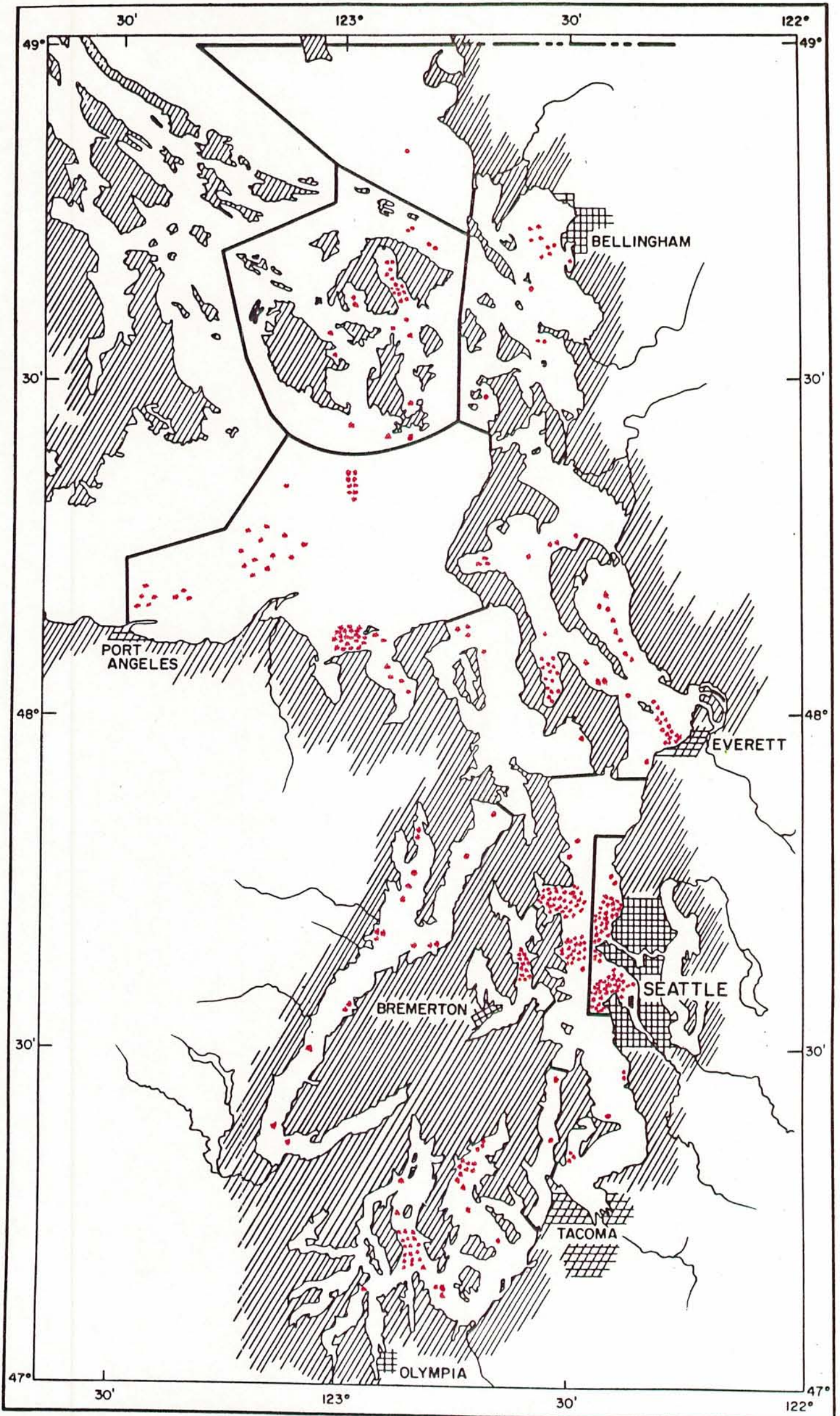
- 50+-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
50+-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
50+-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
50+-S (Golden Gardens to Meadow
Point):
U.W. Ocean., Hoh, 1963-68.
2-S (Spring Beach; Richmond Beach):
U.W. Ocean., Hoh, 1963-68.
50+-PO (south and north of Fletcher
Bay): U.W. Ocean., Hoh, 1963-67.
2-HC (Seabeck):
U.W. Ocean., Hoh, 1963-67.
47+-SS (Case Inlet, off Taylor Bay
to off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
3-SS (Nisqually Flats):
U.W. Ocean., Hoh, 1963-67.
10+-SS (Carr Inlet, off Horsehead
Bay): U.W. Ocean., Hoh, 1963-67.
48+-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
2-CS (Norma Beach):
U.W. Ocean., Hoh, 1963-68.
9-E (Port Gardner Bay):
U.W. Ocean., Hoh, 1963-67.
12-E (Port Susan):
U.W. Ocean., Hoh, 1963-67.
10-E (Penn Cove):
U.W. Ocean., Hoh, 1963-67.
10-E (off Demock Point to Utsalady
Point):
U.W. Ocean., Hoh, 1963-67.
2-E (Saratoga Pass., off Demock
Point):
U.W. Ocean., Hoh, 1963-67.
17-E (Holmes Harbor):
U.W. Ocean., Hoh, 1963-67.
1-CS (Skiff Point to Point
Jefferson): U.W. Ocean., herring
trawl, 1968-69.
2-CS (Apple Cove Point):
U.W. Ocean., Hoh, S.J., 1966.
2-AI (Port Townsend Bay):
U.W. Ocean., Hoh, S.J., 1966.
1-JF (Discovery Bay):
U.W. Ocean., Hoh, S.J., 1966.
2-SJ (West Sound; East Sound):
U.W. Ocean., Hoh, S.J., 1966.
4-E (Penn Cove):
U.W. Ocean., Hoh, S.J., 1966.
2-E (Port Gardner Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 1-E (Port Susan):
U.W. Ocean., Hoh, S.J., 1966.
4-E (Holmes Harbor):
U.W. Ocean., Hoh, S.J., 1966.
1-SJ (East Sound, south of Rosario
Point): NIH, 1964-66.
39-S (Golden Gardens to Carkeek
Park): NIH, 1968-71.
1-PO (Clam Bay): NIH, 1968-71.
4-SS (Case Inlet, Stretch Island to
Herron Island): NIH, 1968-71.
1-SS (Henderson Inlet):
NIH, 1968-71.
1-SS (Budd Inlet): NIH, 1968-71.
30-CS (Port Madison):
Van Cleve, trap, 1961-65.
2-PO (off Fletcher Bay):
Van Cleve, trap, 1961-65.
2-S (off Edmonds):
Van Cleve, trap, 1961-65.
111-SS (entrance of Eld Inlet):
Van Cleve, trap, 1961-65.
6-E (Holmes Harbor):
Van Cleve, trap, 1961-65.
2-E (Saratoga Pass., west side just
south of Penn Cove):
Van Cleve, trap, 1961-65.
1-E (Carr Inlet):
Van Cleve, trap, 1961-65.
1-JF (beach seine: Port Angeles
embayment):
Peninsula College, 1971.
1-JF (Sequim Bay):
Battelle, 1967-69.
2-JF (upper Discovery Bay):
Sea Grant, 71110.
1-JF (lower Discovery Bay):
Sea Grant, 71111.
7-CP (beach seine: Gig Harbor Spit):
Sea Grant, 72003 (also boat
7208).
2-CP (off Gig Harbor Spit): Sea
Grant, 72003 (also boat 7208).
2-CP (in Gig Harbor): Sea Grant,
72003 (also boat 7208).
5-GS (south of Cherry Point):
Sea Grant, 1972.
1-CS (beach seine: Seahurst County
Park): Sea Grant, 72016.
3-SS (off Nisqually River-McAllister
Creek Flats): Sea Grant, 1973.
1-CP (off Gig Harbor Spit):
Sea Grant, 72025.
3-HC (off Big Beef Harbor):
Sea Grant, 1972.
3-S (beach seine, north side of West
Point): Sea Grant, 1973.
10-S (off northwest side of West
Point): Sea Grant, 1973.
9-S (off southwest side of West
Point): Sea Grant, 1973.
15-S (north of Meadow Point to
Carkeek Park): Sea Grant, 1973.
10-S (southwest of Alki Point):
Sea Grant, 1973.

Citharichthys stigmaeus

Bothidae

Miscellaneous Logs

- 8-PO (off south of Fletcher Bay):
Sea Grant, 73008.
- 1-SS (off Nisqually River-McAllister
Creek Flats): Sea Grant, 1973.
- 5-HC (off southwest of Big Beef
Harbor): Sea Grant, 1973.
- 3-B (beach seine: Wildcat Cove):
Sea Grant, 1973.
- 21-SS (McLane Cove toward Stretch
Island): Sea Grant, 1973-74.
- 21-SS (west side of Dougall Point):
Sea Grant, 1973-74.
- 22-SS (mid-channel, McLane Cove to
Stretch Island):
Sea Grant, 1973-74.
- 20-HC (off Union):
Sea Grant, 1973-74.
- 1-HC (mid-channel, off Union):
Sea Grant, 1973.
- 17-HC (off Skokomish Flats):
Sea Grant, 1973-74.
- 1-HC (mid-channel, off Skokomish
Flats): Sea Grant, 1974.
- 1-AI (Mutiny Bay):
Sea Grant, 73049.
- 3-CS (south end of Bainbridge
Island, southeast of Orchard
Rocks): Sea Grant, 1973.
- 4-SS (Cormorant Pass.):
Sea Grant, 73059 and 73060.
- 1-SS (Tatsolo Point):
Sea Grant, 73059.
- 1-E (Everett city):
WSDF, Sport Fish., 1965-70.



Atheresthes stomias

Pleuronectidae

Published Records

- 3-GS: Smith, 1936.
 4-B (Bellingham Bay):
 Smith, 1936 (one is museum 3837,
 south end of Chuckanut Island).
 1-JF (Discovery Bay): Smith, 1936.
 9-SJ (mid-channel, northwest of
 Dungeness Spit): Greenwood, 1957
 (also NMFS, Cobb-25).
 16-S (Duwamish Head): Salo, 1969.
 1-E (Port Gardner Bay): Salo, 1969.
 1-S (Seattle Harbor):
 Townsend, 1935.
 2-E (Saratoga Pass.; Holmes Harbor):
 Townsend, 1935.
 2-CS (Seahurst County Park):
 Miller, 1971a (also boat 7113,
 NIH 71101).
 2-HC (Anderson Cove): Chew, 1970.

University of Washington
Museum Collection

- 1-E (Utsalady): 695.
 1-SJ (Friday Harbor): 2207.
 1-E (Saratoga Pass., off Sandy
 Point): 2657.
 2-S (Elliott Bay): 2908; 3795.
 1-E (off Everett): 4543.
 1-CS (off Port Madison):
 5724 (also boat 497B).
 2-SJ (mid East Sound):
 18007 (also Friday Harbor log,
 2/21/64); 18665 (also Friday
 Harbor log, 6/5/64).
 2-SJ (East Sound, south of Rosario
 Point): 18644 (also NIH, 1964-
 66); 19580 (also NIH, 1964-66).
 1-SJ (East Sound): 19449.

Friday Harbor Laboratory Log

- 1-SJ (off Upright Head): 6/28/51-1.
 9-JF (west of McArthur Bank):
 7/12/51-1; 7/7/52-1; 7/9/52-1
 (also boat 5220G); 8/3/55-1 (also
 boat 5520A); 8/8/60; 8/3/69;
 7/18/63-1; 7/19/63-1; 7/8/69-1.
 1-SJ (north of Hunter Bay):
 6/19/50-5 (also boat 5033G).
 1-SJ (off northwest of Barnes
 Island):
 6/20/50-3 (also boat 5033J).
 1-SJ (Lopez Sound and East Sound):
 7/11/52.
 2-SJ (West Sound): 7/9/52-3 (also
 boat 5220I); 7/6/71-2.
 1-SJ (Orcas Island to Matia Island):
 7/14/52-3.
 1-B (south of Eliza Island):
 8/8/55-1.
 1-SJ (off Iceberg Point):
 8/4/55-1 (also boat 5520C).
 1-SJ (west of Neck Point): 7/31/69.
 1-SJ (southeast of Cattle Point):
 8/3/55-2 (also boat 5520B).

- 1-SJ (Upright Head to Olga):
 8/1/60-2.
 2-SJ (East Sound):
 6/20/61; 7/6/71-1.
 1-SJ or JF (Cattle Point to Smith
 Island): 6/28/61.
 1-SJ (south of Lopez Island):
 6/27/63-A.

University of Washington Boat Log

- 1-JF (Discovery Bay): 5318A.
 1-SJ (training cruise area: East
 Sound, north of Rosario Point):
 6620H.
 1-SJ (East Sound): 491E.
 1-SJ (off Raccoon Point toward
 Barnes Island): 491F.
 1-B (Burrows Bay, east of Barrows
 Island): 5033S.
 3-B (training cruise area: southwest
 of Post Point):
 6603G; 6614G; 6630G.
 1-E (Port Susan, off Spee-Bi-Dah):
 5023D.
 5-E (Holmes Harbor, south of
 Classic):
 5234E; 5312D,E; 5316E; 5321V.
 3-E (Holmes Harbor):
 5305M; 5325B; 5604D.
 4-E (Holmes Harbor, off Rocky Point
 to Dines Point):
 5307K; 5312H,I; 5327C.
 1-E (Saratoga Pass., off North Bluff
 to off Greenbank): 5418M.
 1-E (off Mukilteo): 5604C.
 1-E (Penn Cove): 5613U.
 1-E (near Penn Cove): 6822E.
 2-E (training cruise area: Saratoga
 Pass., north of Langley):
 6815D; 6819D.
 2-E (training cruise area: east of
 Gedney Island): 6620C; 6630C.
 1-AI (training cruise area: east of
 north Marrowstone Island):
 6630J.
 1-HC (off Sisters light buoy):
 499C.
 1-HC (opposite Hoodspout): 499F.
 1-HC (off Thornedyke Bay): 499J.
 3-HC (Dabob Bay): 5921; 6202D,E.
 2-HC (Dabob Bay, Broad Spit to Long
 Spit): 6828A; 7303F.
 3-HC (off Pleasant Harbor):
 7003I,J,L.
 12-CS (Murden Cove): 6610C,D;
 6713G,H; 6809H; 6818B; 6819X;
 6821.5G; 6906C,E; 7008B; 7108.
 12-CS (Port Madison): 1/22/49-1,2,
 3; 5006D; 5048B; 5122A,B; 5132D;
 5812A; 5924A; 5932A; 7011C.
 1-CS (northeast of Apple Cove
 Point): 5009A.
 3-CS (mouth of Quartermaster
 Harbor): 5042A; 5104B; 5115H.

Atheresthes stomias

Pleuronectidae

University of Washington Boat Log

- 3-CS (off Port Madison):
5043B,C; 5812E.
- 1-CS (Tramp Harbor): 5104A.
- 4-CS (off Agate Pass.):
5302AA; 5310.2F; 5317C; 6003B.
- 4-CS (mid-channel, Meadow Point to Port Madison):
5516A; 5608A; 5709B; 5911B.
- 4-CS (east of Point Monroe):
5805C; 5813A,B,C.
- 1-CS (off Fay Bainbridge State Park): 5806C.
- 15-CS (training cruise area, mid-channel Skiff Point to West Point): 6512B; 6605B; 6607B; 6611B; 6614B; 6620B; 6626B; 6628B; 6815B; 6819B; 6908B; 6914B; 7110B; 7308B; 7313B.
- 1-CS (training cruise area: Wing Point to Four-Mile Rock):
6507B8.
- 2-CS (off Murden Cove):
6610B; 6710C2.
- 7-PO (off Fletcher Bay):
5310.3B,.5G; 5801A; 5809; 5904B; 5919A; 6202.D2.
- 54-S (off Golden Gardens to Meadow Point):
491A; 492F; 494C,E,F; 496B; 498B; 4910A; 5008C; 5009L; 5017C,E; 5028C; 5029A,B; 5033A; 5034D,E,G; 5039D; 5110B,C,D; 5112A,B,C; 5119C,H; 5129C,D; 5203D; 5233D; 5314A,C; 5329C; 5408B; 5416B,C; 5607B; 5704E; 5707J,K; 5907D; 5920B,E; 6005B; 6010B,C; 6112B; 6114A; 6311A,E,F; 6506C.
- 5-S (off Alki Point to Duwamish Head):
5027A,B; 5603A; 5616D; 5702AM.
- 21-S (off Meadow Point to Carkeek Park): 5020A; 5039C; 5041B; 5044A; 5110A; 5119A,B; 5203A,B; 5211C; 5212B,C,D,E,F; 5216B; 5606A; 5915C,D; 5932C; 6414D.
- 1-S (off Four-Mile Rock to Pier 91):
5027C.
- 2-S (south of West Point to off Four-Mile Rock): 5027D; 5602C.
- 1-S (off north of Carkeek Park):
6206C.
- 1-S (Meadow Point to Richmond Beach): 6429B.
- 1-S (off Piper Creek): 6510D.
- 2-S (off West Point sewer outfall):
6718-5,6.
- 1-S (Carkeek Park to Richmond Beach): 6719A.
- 1-CP (off Cove): 5133Q.
- 1-CP (off Camp Sealath): 5009F.
- 1-SS (off McLane Cove to Stretch Island): 7/20/49-3.
- 1-SS (mid-channel, Gibson Point to Gertrude Island): 5046D.
- 2-SS (Carr Inlet, off Minter Creek to Elgin): 5104I; 5227I.

- 7-SS (Carr Inlet, off Glen Cove to off Raft and Cutts Islands):
5104K,M,N; 5204N; 5213D; 5613D,F.
- 1-SS (beach seine, one mile north of Minter Creek): 5126E.
- 1-SS (Case Inlet, west of Herron Island): 5126H.
- 3-SS (northwest end of Nisqually Reach): 5126J; 5201C; 5204F.
- 1-SS (Carr Inlet, mid-channel, Glen Cove to Green Point): 6724B-3.

Miscellaneous Logs

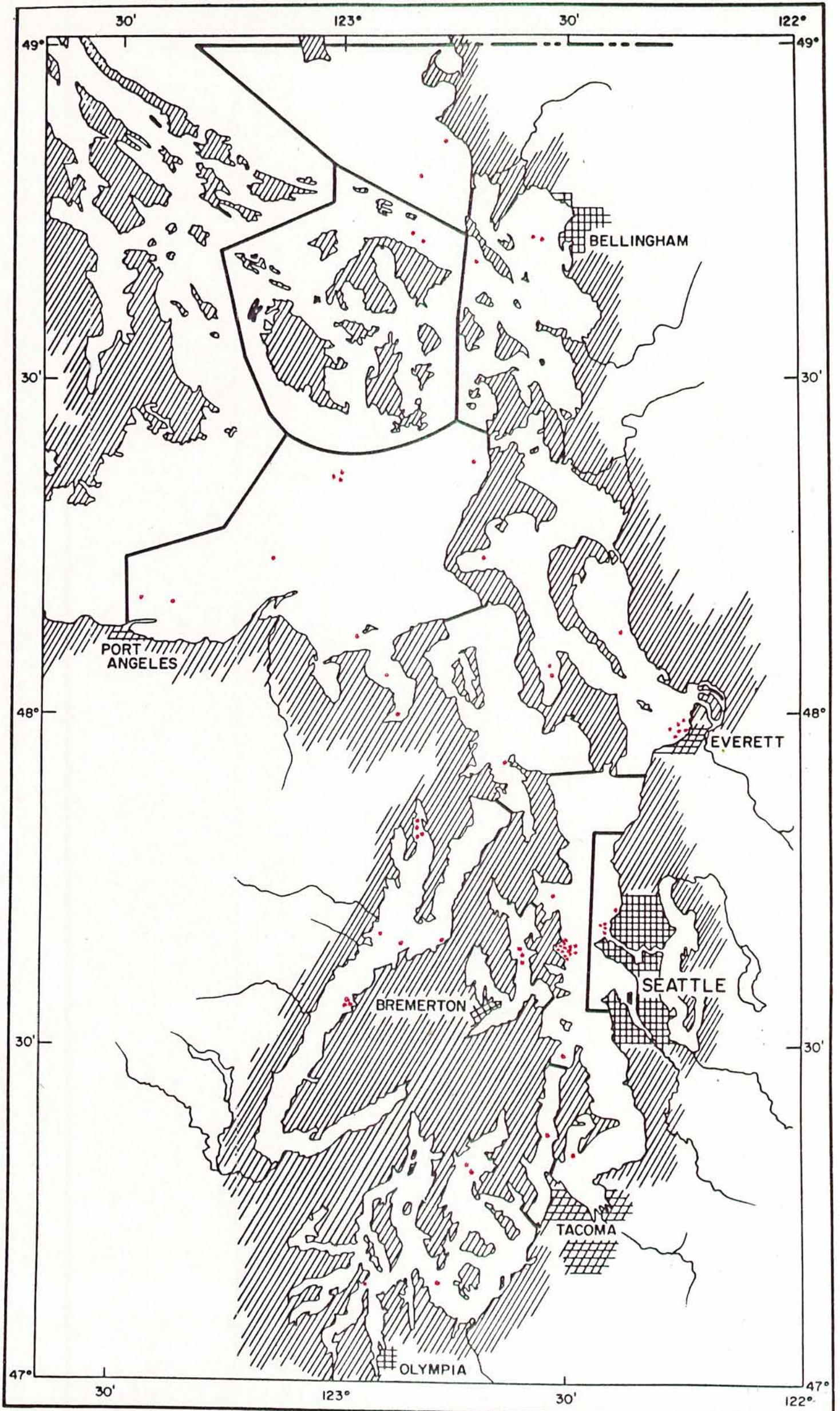
- 1-B (Bellingham Bay): Bill High, personal communication, 12/9/63.
- 50+-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
- 24-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
- 2-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
- 3-S (Golden Gardens to Meadow Point):
U.W. Ocean., Hoh, 1963-68.
- 3-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
- 1-HC (Seabeck):
U.W. Ocean., Hoh, 1963-67.
- 18-SS (Case Inlet; off Taylor Bay to off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
- 1-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
- 43-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
- 3-E (Port Gardner Bay):
U.W. Ocean., Hoh, 1963-67.
- 2-E (Penn Cove):
U.W. Ocean., Hoh, 1963-67.
- 6-E (Port Susan):
U.W. Ocean., Hoh, 1963-67.
- 2-E (off Demock Point to Utsalady Point):
U.W. Ocean., Hoh, 1963-67.
- 1-SS (mouth of Carr Inlet): U.W. Ocean., herring trawl, 1968-69.
- 1-AI (Useless Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 2-B (Padilla Bay, near William Point; Bellingham Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 1-E (Port Susan):
U.W. Ocean., Hoh, S.J., 1966.
- 1-JF (Discovery Bay): WSDP, Commercial Catch Comp., 1966-70.
- 2-JF (mid-channel, north of Dungeness Spit): NMFS, Cobb 25.
- 3-AI (east of Port Townsend and north of Marrowstone Island):
NMFS, Cobb 35.
- 1-JF (Discovery Bay):
NMFS, Cobb 35.
- 3-JF (west of Protection Island):
NMFS, Cobb 35.

Atheresthes stomias

Pleuronectidae

Miscellaneous Logs

- 1-JF (Protection Island to Discovery Bay): NMFS, Cobb 35.
- 1-HC (off Ayock Point):
NMFS, Cobb 68.
- 3-JF (mid-channel, north of Morse Creek): NMFS, Cobb 90.
- 1-JF (west of Hein Bank):
NMFS, Cobb 90.
- 1-JF (northwest of Dungeness Spit):
NMFS, Cobb 92.
- 6-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
- 1-SJ (East Sound): NIH, 1968-71.
- 1-B (Bellingham Bay, off Nooksack River to Marine Drive):
NIH, 1968-71.
- 1-S (Duwamish Head to Alki Point):
NIH, 1968-71.
- 4-CS (Port Madison):
Van Cleve, trap, 1961-65.
- 1-SS (entrance to Eld Inlet):
Van Cleve, trap, 1961-65.
- 5-JF (north of Ediz Hook):
NMFS, Cobb 25.
- 21-JF (west of Protection Island):
NMFS, Cobb, 2/28/73.
- 2-HC (off Big Beef Harbor):
Sea Grant, 72026.
- 1-S (off southwest of West Point):
Sea Grant, 1973.
- 1-S (deep otter trawl: off southwest of Alki Point): Sea Grant, 1973.
- 1-HC (mid-channel, off Union):
Sea Grant, 1973.
- 1-CS (in Appletree Cove):
Doug Olander, Sport Catch Log, 1972-73.
- 3-HC: WSDF, Sport Fish., 1965-70.



Eopsetta jordani

Pleuronectidae

Published Records

- 1-PS: Jordan and Gilbert, 1882.
 1-PS: Kincaid, 1919.
 1-E (Coupeville): Smith, 1936.
 1-JF (mid-channel, north of
 Dungeness Spit): Greenwood, 1957
 (also NMFS, Cobb 25).
 1-E (Holmes Harbor):
 Townsend, 1935.
 2-HC (Anderson Cove): Chew, 1970.

University of Washington
Museum Collection

- 1-PS: 1864.
 2-JF (west of McArthur Bank):
 17694; 17698 (also Friday Harbor
 log 6313 and 6315).

Friday Harbor Laboratory Log

- 1-JF (west of McArthur Bank):
 7/12/51-1.

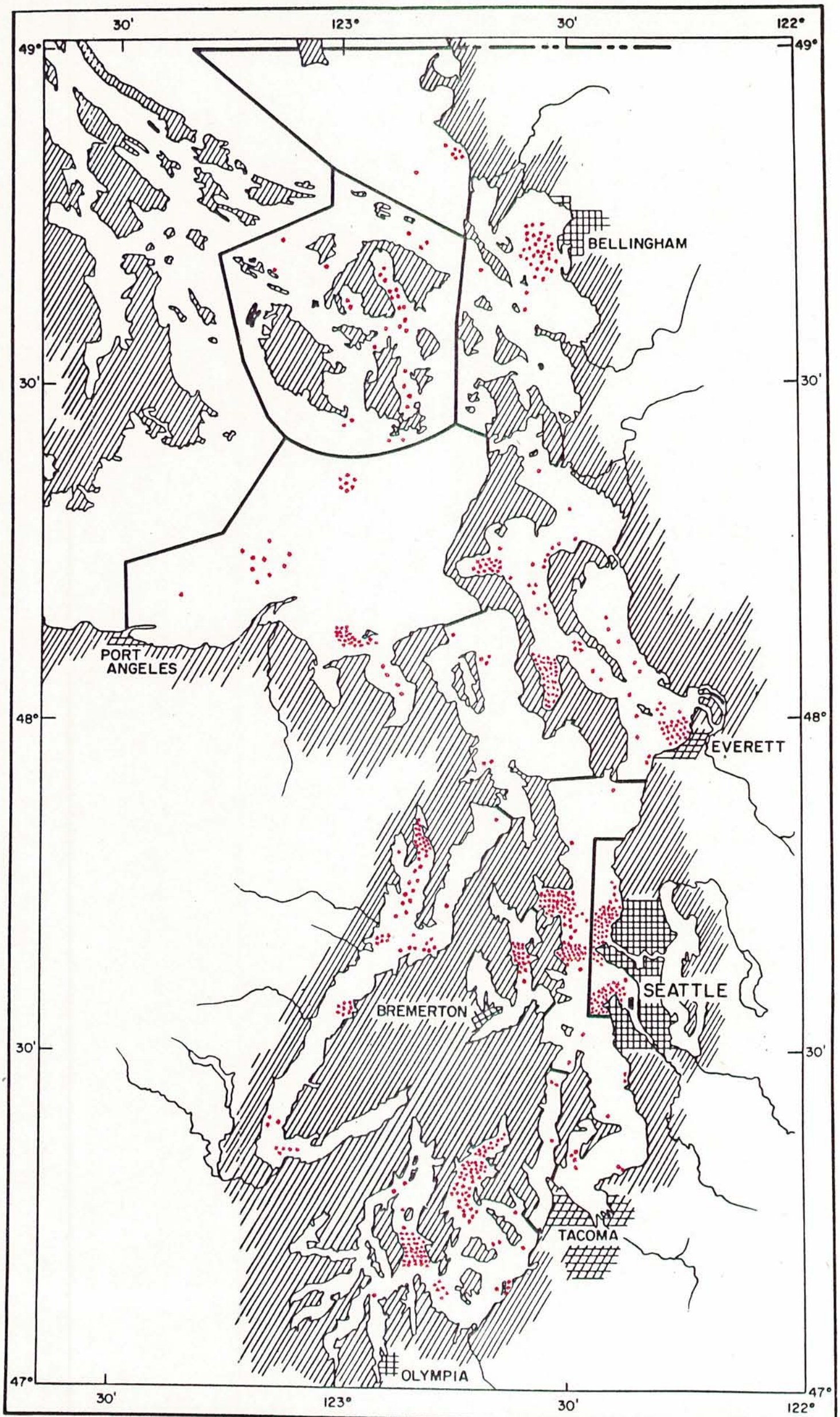
University of Washington Boat Log

- 1-SJ (Puffin Island to Orcas
 Island): 491E.
 1-SJ (off Raccoon Point toward
 Barnes Island): 491F.
 1-GS (north of Alden Bank): 491G.
 4-S (off Golden Gardens):
 5033A; 5129C; 5203C; 6311A.
 1-SS (off Glen Cove, Carr Inlet):
 5102B.
 1-SS (Carr Inlet, off Cutts Island):
 5104J.
 1-CS (mouth of Quartermaster
 Harbor): 5115H.
 1-SS (west end of Nisqually Reach):
 5204J.
 1-E (Holmes Harbor): 5307K.
 1-JF (off Ediz Hook to Green Point):
 5705E.
 1-PO (off Fletcher Bay): 6101A.
 1-CS (Vashon Island, off Sylvan
 Beach): 6703A.
 4-HC (Dabob Bay, Broad Spit to Long
 Spit):
 6724A; 6629E; 7202F; 6902H.
 1-HC (Anderson Cove): 7009D.
 2-CS (off Murden Cove):
 6906I; 7308A.
 10-CS (Murden Cove):
 6609A; 6616; 6713G,H; 6818B;
 6906D,E,G; 6812F; 6821.5G.
 1-HC (west of Misery Point): 7202A.
 1-PO (probably off Fletcher Bay):
 6916H.
 1-HC (off Pleasant Harbor): 7003I.
 5-CS (Murden Cove):
 7016C,H; 3-7103.
 1-AI (east side of Hood Canal
 entrance, just south of
 Foulweather Bluff): 7112E.

- 1-HC (northeast of Big Beef Harbor):
 6902I.
 1-GS (off Cherry Point): 491H.

Miscellaneous Logs

- 1-JF (off West Beach):
 WSDF, Sport Fish., 1965-70.
 1-E (Everett):
 WSDF, Sport Fish., 1965-70.
 5-SS: WSDF, Sport Fish., 1965-70.
 4-HC: WSDF, Sport Fish., 1965-70.
 3-E (Port Gardner Bay):
 U.W. Ocean., P.G., 1962-67.
 1-E (Port Susan): U.W. Ocean.,
 herring trawl, 1968-69.
 1-JF (Protection Island): WSDF,
 groundfish trawl, through 1970.
 1-CP (Point Richmond): WSDF,
 groundfish trawl, through 1970.
 2-B (Bellingham Bay): WSDF,
 groundfish trawl, through 1970.
 1-JF (Discovery Bay): WSDF,
 Commercial Catch Comp., 1966-71.
 1-E (Everett Harbor):
 NMFS, Cobb, 1/20/61.
 1-JF (south end of Discovery Bay):
 Jim Beam, Sport Catch, 1972.
 1-S (Golden Gardens to Carkeek
 Park): NIH, 1968-71.
 1-CS (Port Madison):
 Van Cleve, trap, 1961-65.
 1-PO (off Fletcher Bay):
 Van Cleve, trap, 1961-65.
 1-SS (Eld Inlet entrance):
 Van Cleve, trap, 1961-65.
 1-JF (mid-channel, north of Ediz
 Hook): NMFS, Cobb 25.
 1-E (Everett Bay):
 WSDF, groundfish trawl, 1972.
 1-B (west of Lummi Island): WSDF,
 Commercial Catch Comp., 1966-71.



Glyptocephalus zachirus

Pleuronectidae

Published Records

- 2-AI (north of Tala Point; northwest of Tala Point):
Evermann and Goldsborough, 1907.
1-PS: Kincaid, 1919.
1-HC (Holly):
Schultz and DeLacy, 1935-36.
2-GS (Georgia Strait): Smith, 1936.
2-E (Coupeville): Smith, 1936.
1-JF (Sequim Bay): Smith, 1936.
1-JF (Discovery Bay):
Smith, 1936 (also museum 3872).
1-SS (Hale Pass.): Smith, 1936.
5-B (Bellingham Bay): Smith, 1936
(also one is museum 3838, south end of Chuckanut Island).
2-HC (Hoodsport): Smith, 1937.
2-HC (Skokomish Flats; Quilcene Bay): Smith, 1937.
2-HC (Holly): Smith, 1937.
2-SS (Carr Inlet; Dofflemeyer Point): Smith, 1937.
4-E (Elger Bay; Mukilteo; Columbia Beach; Gedney Island):
Smith, 1937.
7-JF (mid-channel, north and northwest of Dungeness Spit):
Greenwood, 1957 (also NMFS, Cobb 25).
2-E (Skagit and Similk Bays):
Stober and Salo, 1970b.
2-S (Duwamish Head): Salo, 1969.
2-E (Port Gardner Bay; Skagit Bay):
Salo, 1969.
1-S (Seattle): Townsend, 1935.
3-E (Everett Harbor; Saratoga Pass.; Holmes Harbor): Townsend, 1935.
1-CS (Dumas Bay): Miller, 1971b
(also NIH 71105 and 71106).
3-HC (Anderson Cove): Chew, 1970.
2-CS (Seahurst County Park):
Miller, 1971a (also boat 7113 and NIH 71101).

University of Washington
Museum Collection

- 1-E (Utsalady): 863.
1-E (east of Gedney Island): 2571.
1-E (off Snohomish River): 2625.
1-E (Saratoga Pass., Sandy Point):
2659-1/2.
4-E (off Everett):
2905; 3688; 3708; 4742.
2-SJ (Waldron Island; Upright Channel): 3554.
1-S (off south of Richmond Beach):
4697.
1-S (off North Beach): 4793.
1-SS (Carr Inlet): 5025.
1-S (Elliott Bay): 5080.
1-SJ (west of Ram Island):
5700 (also boat 491P).
1-S (off Golden Gardens):
15948 (also boat 6114A).

- 2-JF (west of McArthur Bank):
17869 (also Friday Harbor log, 6315); 17688 (also Friday Harbor log, 6313).
1-SJ (Lopez Island): 16579.
1-SJ (East Sound): 17066 (also Friday Harbor log, 6/20/63).
1-S (Golden Gardens): 17138.
1-S (Meadow Point): 17143.

Friday Harbor Laboratory Log

- 5-JF (west of McArthur Bank):
7/12/51-1; 7/7/52-1; 7/9/52-1
(also boat 5220G); 8/3/55-1 (also boat 5520A); 8/8/60; 7/8/69-1.
1-B (Bellingham Bay): 7/26/51-2.
1-SJ (off northwest of Barnes Island):
6/20/50-3 (also boat 5033J).
1-SJ (south of Orcas Island):
6/24/52.
1-SJ (Lopez Sound and East Sound):
7/1/52.
1-SJ (Salmon Banks): 7/7/52-3.
1-B (south of Eliza Island):
8/8/55-1.
3-SJ (East Sound):
8/11/52; 7/6/60-2; 7/6/71-1.
2-SJ (Lopez Sound):
7/28/55-1; 7/8/69-2.
1-SJ (southeast of Cattle Point):
8/3/55-2 (also boat 5520B).
1-SJ (off Iceberg Point): 8/4/55-1.
2-SJ (lower East Sound):
8/22/55-5; 6/26/73-1.
1-SJ (West Sound and Lopez Sound):
6/27/60.
1-SJ (Upright Head to Olga):
8/1/60-2.
2-SJ (West Sound):
6/26/61; 6/20/69-2.
1-SJ (south of Lopez Island):
6/27/63-A.
1-SJ (Upright Head to Foster Point):
6/26/73-2.

University of Washington Boat Log

- 1-GS (north of Alden Bank): 491G.
1-JF (Discovery Bay): 5318A.
1-SJ (off Johns Island): 491B.
1-SJ (Skipjack Island to Turn Point): 491C.
1-SJ (Puffin Island to Orcas Island): 491E.
1-SJ (off Raccoon Point toward Barnes Island): 491F.
1-SJ (training cruise area: north of Rosario Point, East Sound):
7118H.
1-SJ (training cruise area: Lopez Sound, southwest of Center Island): 7017I.
1-B (east of Vendovi Island): 491K.

Glyptocephalus zachirus

Pleuronectidae

University of Washington Boat Log

- 9-B (training cruise area: southwest of Post Point): 6815G; 6614G; 6630G; 6819G; 6826G; 7118G; 7307G; 7313G; 6914G.
- 1-B (Bellingham Bay): 6822G.
- 1-E (Port Susan, off Spee-Bi-Dah): 5023D.
- 2-E (mouth of Penn Cove, off Long Point to off Snatelum Point): 5213A; 5220E.
- 1-E (off Oak Harbor, to Blower Bluff): 5220F.
- 1-E (north end of Saratoga Pass.): 5220M.
- 3-E (Holmes Harbor, off Rocky Point to Dines Point): 5220O; 5234A,C; 5307D,K,L; 5327C,E.
- 17-E (Holmes Harbor, south of Classic): 5234E,F; 5305A; 5307E,F,O,P,U; 5312C,N; 5316D,E; 5501A,B,C,E,F.
- 18-E (Holmes Harbor): 5305F,G,H,I, J,L; 5325C; 5405B,C,D,E,F; 5604D, E,F; 56130; 5614E; 5810A.
- 3-E (Holmes Harbor, off Dines Point to Classic): 5312G; 5405G; 5501D.
- 2-E (Penn Cove, off Coupeville to Lovejoy Point): 5316I,J.
- 1-E (off Mukilteo): 5604C.
- 3-E (Elger Bay): 5321M; 5405Q; 5418I.
- 1-E (Saratoga Pass., off Saratoga to Langley): 5321O.
- 3-E (Saratoga Pass., off Snatelum Point to Onamac Point): 5330F; 5418H; 5712C.
- 3-E (Saratoga Pass., off Onamac Point to Indian Beach): 5405L,M,N.
- 6-E (Penn Cove): 5418G; 5522G; 5613X; 5614J; 5712A; 5810H.
- 1-E: 5712B.
- 1-E (off north of Kayak Point, Port Susan): 7204A.
- 1-E (Port Susan, off Kayak Point): 6702C.
- 3-E (training cruise area: east of Gedney Island): 6620C; 6722C; 6815C.
- 3-AI (training cruise area: east of north Marrowstone Island): 6507J; 6603J; 6614J.
- 6-HC (off Pleasant Harbor): 499E; 6804E; 6902K,L; 7003I,J.
- 1-HC (opposite Hoodspoint): 499F.
- 12-HC (Dabob Bay): 5903B; 5921; 6202A,C,D,F; 7102J (or I),K,L,O; 7112A,B.
- 1-HC (west of Misery Point): 7202A.
- 31-HC (Dabob Bay, Broad Spit to Long Spit): 6503A,C,D,E,F,G,H; 6601A, C,D; 6629A; 6702D,E,F; 6724A; 6804F,H; 6902E,F; 7003B,D,E,A; 7202E,G,I; 7303B,C,D,E,F.
- 1-HC (south of Oak Head): 6601E.
- 2-HC (Anderson Cove): 7009B,D.
- 1-HC (south of Hood Canal bridge): 7112D.
- 7-CS (Port Madison): 1/22/49-1; 492A; 5006D; 5122A; 5132D; 5932A; 7011C.
- 1-CS (northeast of Apple Cove Point): 5009A.
- 3-CS (mouth of Quartermaster Harbor): 5042A; 5104B; 5115H.
- 2-CS (off Port Madison): 5043B,C.
- 1-CS (Tramp Harbor): 5104A.
- 1-CS (east of Blake Island): 5115I.
- 2-CS (west of Point Monroe): 5223C; 5315D.
- 4-CS (off Agate Pass., Port Madison): 5232A; 5302AA; 5310.2F; 5317C.
- 3-CS (mid-channel, Meadow Point to Port Madison): 5608A; 5709B; 5911B.
- 5-CS (east of Point Monroe): 5805B,C; 5813A,B,C.
- 1-CS (off Fay Bainbridge State Park): 5806C.
- 9-CS (Murden Cove): 6610C; 6713H; 6809A; 6818B; 6823-1,2; 6906D,E; 7008B.
- 3-CS (Murden Cove): 6610B; 6710C2,D2.
- 1-CS (off West Point): 7017Y.
- 13-CS (training cruise area: mid-channel, Skiff Point to West Point): 6512B; 6614B; 6628B; 6815B; 6819B; 6914B; 7017B,Z; 7110B; 7118B; 7213B; 7308B; 7313B.
- 1-CS (training cruise area: Wing Point to Four-Mile Rock): 6507B8.
- 2-CS (Vashon Island, off Sylvan Beach): 6703A,B.
- 1-CS (Vashon Island, east of Neill Point): 6703C.
- 16-PO (off Fletcher Bay to south of Battle Point and Brownsville): 5230F; 5232C; 5236E; 5301B; 5315B; 5317A; 5421; 5707B; 5707C; 5809A; 5919A,B; 5922A; 5923B; 6016A2; 6707.
- 1-PO (probably off Fletcher Bay): 7105-2.
- 1-PO ("B-2" to "B-1"): 6205C1.
- 3-S (off Alki Point to Duwamish Head): 5027A,B; 5603A.
- 52-S (off Golden Gardens to Meadow Point): 491A; 492F; 493B; 494C, E,F; 496B; 497E; 498B; 4910A; 5003A; 5008C; 5009L; 5017C; 5028A,C; 5029A,B,E; 5033A; 5034D, E; 5039D; 5041A; 5112A,B,C; 5119C,G,H; 5127A; 5129C,D; 5131C; 5132A; 5314A,C; 5329C; 5408B; 5516C; 5702AN; 5707J,K; 5713G; 5920B,E; 5924C; 6005B; 6010C; 494CD; 6311A,E.

Glyptocephalus zachirus

Pleuronectidae

University of Washington Boat Log

- 18-S (off Meadow Point to Carkeek Park): 5020A; 5039C; 5041B; 5110A; 5119A,B; 5203A; 5211C; 5212C,E,F; 5216A,B; 5606A; 6406A; 6414C,D; 6510B.
- 2-S (off north of Carkeek Park): 6206C; 6414E.
- 1-S (Carkeek Park to Richmond Beach): 6719A.
- 1-S (off Piper Creek): 6510D.
- 1-S (Meadow Point to Richmond Beach): 6429B.
- 1-CP (off Camp Sealath): 5104CC.
- 1-CP (off Cove): 5133Q.
- 1-CP (Cove to Fragaria): 5135E.
- 6-SS (northwest end of Nisqually Reach): 7/20/49-5; 5009I; 5126J; 5201C,D; 5204F.
- 1-SS (north end of Pickering Pass. to off McLane Cove): 5009H.
- 2-SS (Carr Inlet, southwest of Green Point): 5037A; 5104T.
- 11-SS (Carr Inlet, off Minter Creek to Elgin): 5045G,J; 5104D,V; 5126D; 5135A,C,D; 5227D,F,I.
- 2-SS (mouth of Carr Inlet, Gibson Point to Gertrude Island): 5046D; 5104C.
- 3-SS (Carr Inlet, off Wauna): 5404G,W; 5227C.
- 1-SS (Carr Inlet, off north of Home to off Horsehead Bay Spit): 5104R.
- 15-SS (Carr Inlet; off Glen Cove to off Cutts and Raft Islands): 5101B,E,F; 5102A; 5104L,P,Y; 5115F; 5126C,M; 5201A; 5213D; 5227B; 5613A,D.
- 1-SS (Case Inlet, off west of Herron Island): 5126H.
- 1-SS (west of Ketron Island): 5126K.
- 1-SS (between Fox and Day Islands towing toward Toliwa Shoal): 5201E.
- 1-SS (Carr Inlet): 5522C.
- 1-SS (Carr Inlet, mid-channel, Glen Cove to Green Point): 6724B-3.
- 1-SS (Case Inlet, east of Hartstene Island): 6724C.
- 1-CS (Murden Cove): 7108.
- 1-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
- 2-HC (Seabeck): U.W. Ocean., Hoh, 1963-67.
- 35-SS (Case Inlet, off Taylor Bay to off Whiteman Cove): U.W. Ocean., Hoh, 1963-67.
- 8-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
- 3-E (Penn Cove): U.W. Ocean., Hoh, 1963-67.
- 28-CS (Port Madison): U.W. Ocean., Hoh, 1963-68.
- 5-E (Port Gardner Bay): U.W. Ocean., Hoh, 1963-67.
- 3-E (Saratoga Pass., off Demock Point): U.W. Ocean., Hoh, 1963-67.
- 2-E (off Demock Point to Utsalady Point): U.W. Ocean., Hoh, 1963-67.
- 1-E (Port Susan): U.W. Ocean., Hoh, 1963-67.
- 5-E (Holmes Harbor): U.W. Ocean., Hoh, 1963-67.
- 2-CS (Skiff Point to Point Jefferson): U.W. Ocean., herring trawl, 1968-69.
- 4-SS (mouth of Carr Inlet): U.W. Ocean., herring trawl, 1968-69.
- 1-B (Bellingham Bay): U.W. Ocean., Hoh, S.J., 1966.
- 1-JF (Protection Island): WSDF, groundfish trawl, through 1970.
- 6-B (Bellingham Bay): WSDF, groundfish trawl, through 1970.
- 1-E (Holmes Harbor): WSDF, Commercial Catch Comp., 1969-70.
- 1-B (west of Lummi Island): WSDF, Commercial Catch Comp., 1969-70.
- 1-SS (Carr Inlet): WSDF, Commercial Catch Comp., 1969-70.
- 1-AI (east of Port Townsend): NMFS, Cobb 35.
- 2-JF (Discovery Bay; Protection Island to Discovery Bay): NMFS, Cobb-35.
- 1-E (lower Port Susan): NMFS, Cobb-78.
- 1-JF (mid-channel, north of Morse Creek): NMFS, Cobb 90.
- 1-JF (northwest of Dungeness Spit): NMFS, Cobb 92.
- 2-E (Everett Harbor): NMFS, Cobb, 1/20/61.
- 1-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
- 6-B (off Nooksack River to Marine Drive): NIH, 1968-71.
- 2-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
- 1-PO (off Fletcher Bay): NIH, 1968-71.
- 1-HC (Big Beef Harbor): NIH, 69042.
- 6-CS (Port Madison): Van Cleve, trap, 1961-65.

Miscellaneous Logs

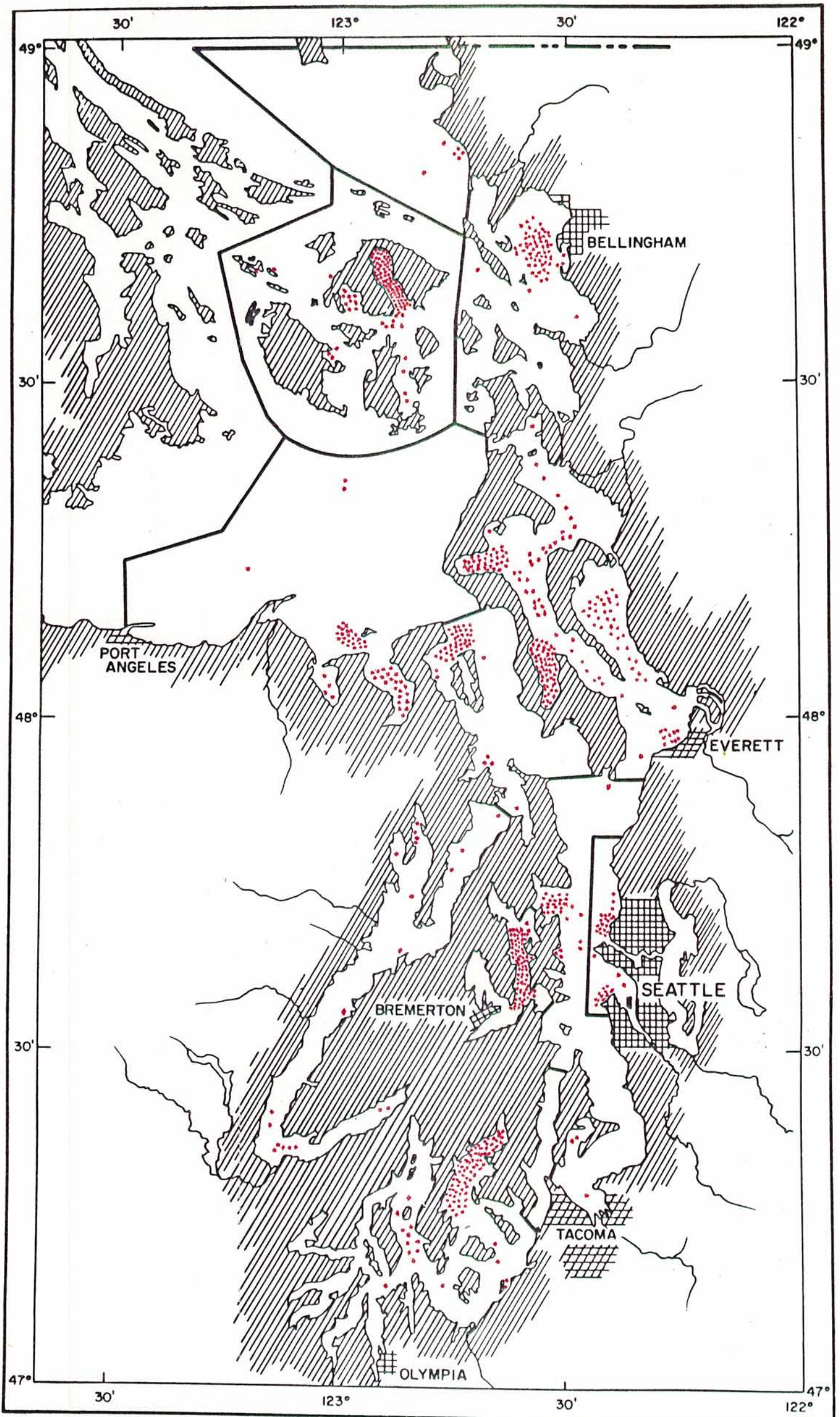
- 1-B (Bellingham Bay): Bill High, personal communication, 12/9/63.
- 39-S (Duwamish Head to Alki Point): U.W. Ocean., 1964-67.
- 14-E (Port Gardner Bay): U.W. Ocean., P.G., 1962-67.
- 2-PO (south of Fletcher Bay): U.W. Ocean., P.O., 1964-65.
- 6-S (Golden Gardens to Meadow Point): U.W. Ocean., Hoh, 1963-68.

Glyptocephalus zachirus

Pleuronectidae

Miscellaneous Logs

- 3-E (Holmes Harbor; west side of
Saratoga Pass. just south of Penn
Cove; Penn Cove):
Van Cleve, trap, 1961-65.
- 1-JF (Discovery Bay):
Battelle, 1967-69.
- 1-JC (tow area 3, off Cherry Point):
WSDF, Gulf Georgia, 1969-71.
- 21-JF (west of Protection Island):
NMFS, Cobb, 2/28/73.
- 1-CS (south of Possession Point):
NMFS, Cobb, 2/28/73.
- 5-GS (south of Cherry Point):
Sea Grant, 1972.
- 3-HC (off Big Beef Harbor):
Sea Grant, 1973.
- 2-HC (mid-channel, off Union):
Sea Grant, 1973-74.
- 1-B (Bellingham Bay, mid-channel off
Nooksack River Flats):
Sea Grant, 72035.
- 1-B (mid-channel, off Point
Frances): Sea Grant, 72035.
- 8-S (off northwest side of West
Point): Sea Grant, 1973.
- 6-S (off southwest side of West
Point): Sea Grant, 1973.
- 2-S (deep otter trawl: of West
Point): Sea Grant, 1973.
- 5-S (southwest of Alki Point):
Sea Grant, 1973.
- 12-S (deep otter trawl: off
southwest of Alki Point):
Sea Grant, 1973.
- 1-HC (off southwest of Big Beef
Harbor): Sea Grant, 1973.
- 1-SS (mid-channel, McLane Cove to
Stretch Island):
Sea Grant, 1973.
- 2-HC (mid-channel, off Skokomish
River): Sea Grant, 1973-74.
- 1-HC (off King Spit to Carlson
Point): Sea Grant, 73039.
- 3-SS (Cormorant Pass.):
Sea Grant, 73059 and 73060.
- 1-JF (mid-channel, north of
Dungeness Spit): NMFS, Cobb 25.
- 1-SJ (East Sound): NIH, 1968-71.



Hippoglossoides elassodon

Pleuronectidae

Published Records

- 1-S (Seattle): Jordan and Gilbert, 1882; Jordan and Starks, 1896.
 1-CS (Tacoma): Jordan and Gilbert, 1882; Jordan and Starks, 1896.
 2-AI (north of Kala Point): Evermann and Goldsborough, 1907.
 3-AI (north of Tala Point): Evermann and Goldsborough, 1907.
 1-SJ: Starks, 1911.
 1-SJ (San Juan Channel, off Friday Harbor): Wismer and Swanson, 1935.
 3-GS: Smith, 1936.
 11-B (Bellingham Bay): Smith, 1936 (also museum 4570, 3835, 3864 south end of Chuckanut Island).
 5-E (Coupeville): Smith, 1936.
 1-E (Oak Harbor): Smith, 1936.
 2-JF (Discovery Bay; Sequim Bay): Smith, 1936.
 1-SJ (East Sound): Smith, 1937.
 2-AI (Port Townsend; Port Gamble): Smith, 1936.
 4-HC (Skokomish Flats; Holly; Hoodspout; Quilcene Bay): Smith, 1937.
 1-E (Dines Point): Smith, 1937.
 2-SS (Carr Inlet; McNeil Island): Smith, 1937.
 2-E (Skagit and Similk Bays): Stober and Salo, 1970b.
 1-S (Duwamish Head): Salo, 1969.
 5-E (Skagit Bay): Salo, 1969.
 1-S (Seattle Harbor): Townsend, 1935.
 3-E (Saratoga Pass; Holmes Harbor; Utsalady): Townsend, 1935.
 1-SJ (Orcas Island): Townsend, 1935.
 60-PO (south of Fletcher Bay): Cooney, 1967 (also U.W. Ocean., P.O., 1964-65).

University of Washington
Museum Collection

- 2-E (Utsalady): 696; 862.
 2-SJ (near Olga): 1122; 1211.
 1-SJ (West Sound): 2241.
 4-SJ (East Sound): 2281; 14813 (also Friday Harbor log, 8/11/52); 17065 (also Friday Harbor log, 6/20/63); 17141.
 1-SJ (Friday Harbor): 2522.
 1-E (off Snohomish River): 2622.
 1-E (Saratoga Pass., Sandy Point): 2660.
 1-E (Holmes Harbor): 3680.
 1-E (Saratoga Pass., Watsak Point): 5217.
 1-CS (Port Madison): 5378.
 1-SS (off Minter Creek): 5683 (also boat, 7/19/49-1).
 1-E (mouth of Holmes Harbor): 5694 (also boat 491Q).

- 1-B (east of Point Frances): 5695 (also boat 491J).
 1-SJ (north end of East Sound): 5696 (also boat 491M).
 1-HC (off Thorndike Bay): 5824 (also boat 499J).
 1-S (off north of Alki Point): 5855 (also boat 5027A).
 1-S (south off West Point): 5856 (also boat 5027D).
 1-E (Port Susan, off Warm Beach): 5957 (also boat 5023B).
 1-SJ (Friday Harbor night light): 10653.
 1-SJ (west side of Orcas Island): 14811.
 1-S (Alki Point Beach): 14812.
 1-E (off Tulalip): 14815.
 1-S (off Meadow Point): 15149.
 1-JF (west of McArthur Bank): 17871 (also Friday Harbor log, 7/19/63-1).
 1-SS (Carr Inlet): 6101.
 1-PS: 8307.
 1-PO (off Fletcher Bay): 17118 (also boat 6406C).
 1-SJ (mid East Sound): 18673 (also Friday Harbor log, 6/5/64).

Friday Harbor Laboratory Log

- 1-SJ (off Upright Head): 6/28/51-1.
 1-SJ (Lopez Sound, off Spencer Spit): 6/28/51-3.
 2-B (Bellingham Bay): 7/26/51-2; 6/22/55.
 1-B (south of Eliza Island): 8/8/55-1.
 1-SJ (south of Orcas Island): 6/24/52.
 1-SJ (Lopez Sound and East Sound): 7/1/52.
 1-SJ (Reid Harbor, Stuart Island): 7/9/52-2 (also boat 5220H).
 7-SJ (West Sound): 7/9/52-3 (also boat 5220I); 7/26/60-2; 8/13/60-1; 6/26/61; 6/27/63-B; 6/20/69-2; 7/6/71-2.
 1-SJ (north of Upright Head): 8/22/55-1.
 1-SJ (West Sound and Lopez Sound): 6/27/60.
 5-SJ (lower East Sound): 7/28/55-2; 8/11/55-3; 8/22/55-5; 6/20/50-2 (also boat 5033I); 6/26/73-1.
 1-SJ (East Sound, or West Sound): 7/25/55.
 6-SJ (mid East Sound): 8/22/55-7; 1/17/64; 2/21/64; 4/3/64; 7/11/64; 6/20/69-1.
 6-SJ (East Sound): 7/6/60-2; 7/26/60-1; 8/13/60-1; 6/20/61; 5/11/62; 7/6/71-1.
 2-SJ (Upright Head to Olga): 8/1/60-2; 7/10/61-2.

Hippoglossoides elassodon

Pleuronectidae

Friday Harbor Laboratory Log

- 1-SJ (Lopez Sound): 8/22/60-4.
 1-SJ or JF (Cattle Point to Smith Island): 6/28/61-1.
 1-SJ (west of McArthur Bank): 7/8/69-1.
 1-SJ (Upright Head to Foster Point): 6/26/73-2.

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- 1-GS (north of Alden Bank): 491G.
 1-JF (Sequim Bay): 5318A.
 1-SJ (off Johns Island): 491E.
 1-SJ (West Sound): 5033L.
 2-SJ (East Sound): 5033M; 6512I.
 14-SJ (training cruise area: East Sound north of Rosario Point): 6507H; 6603H; 6614H; 6620H; 6630H; 6717H; 6722H; 6815H; 6908H; 6914H; 7010H; 7017H; 7118H; 7313H.
 2-SJ (training cruise area: Lopez Sound, southwest of Center Island): 7118I; 7307I.
 1-B (east of Point Frances): 491J.
 2-B (Bellingham Bay): 6715G; 6822G.
 20-B (training cruise area: southwest of Post Point): 6507G9; 6517G; 6603G; 6614G; 6620G; 6630G; 6717G; 6722G; 6815G; 6819G; 6826G; 6908G; 6914G; 7017G,G.1; 7110G; 7118G; 7307G; 7313G; 7010G.
 2-E (off Tulalip Bay): 7/1/49-1,2.
 1-E (off Spee-Bi-Dah, Port Susan): 5023D.
 4-E (mouth of Penn Cove, off Long Point to off Snatelum Point): 5213A; 5220E; 5321F; 5330H.
 6-E (Penn Cove, off Coupeville to off Lovejoy Point): 5213B; 5316I,J; 5321A,H; 5418E.
 18-E (Holmes Harbor, off Rocky Point to Dines Point): 5220D,O; 5234A,C; 5237E,F; 5307C,D,L,Q,R,S; 5312H,I; 5321S; 5327C,D,E.
 2-E (off Oak Harbor to Blower Bluff): 5220F,N.
 1-E (north end of Saratoga Pass.): 5220M.
 10-E (Holmes Harbor, off Dines Point to Classic): 5234D; 5312F,G; 5316A,B,C; 5405G,H; 5712E,F.
 2-E (Penn Cove, off Lovejoy Point to Long Point): 5321B,G.
 32-E (Holmes Harbor, south of Classic): 5234E,F; 5237A,B; 5305A,B,G; 5307E,F,G,H,O,P,T,U; 5312B,C,D,E,N; 5316D,E,M,N; 5321T; 5501A,B,C,E,F; 5611B; 5310E.
 43-E (Holmes Harbor): 5305E,H,I,J,K,L; 5325B; 5327A,B; 5330A,B,C,L,M; 5405B,C,D,E,F; 5418A,B,C,D; 5420A,B,H; 5522D,E;

- 5604D,E,F; 56130,P,Q,R,S,T; 5614D,E,F; 5703E,G,H.
 4-E (Saratoga Pass., Snatelum Point to Onamac Point): 5316L; 5330I; 5418H; 5712C.
 1-E (off Utsalady Point): 5321C.
 2-E (Saratoga Pass., off Snatelum Point): 5321I,J.
 5-E (Saratoga Pass., Onamac Point to Indian Beach): 5321K; 5330D; 5405L,M,N.
 1-E: 5712B.
 1-E (Saratoga Pass., Cama Beach to Lowell Point): 5712D.
 18-E (Penn Cove): 5327F,G; 5330G; 5405I,K; 5418F,G; 5420G; 5522F,G; 5613U,V,W,X; 5614H,I,J; 5712A.
 1-E (off north of Kayak Point, Port Susan): 7204A.
 3-E (training cruise area: Saratoga Pass., north of Langley): 6914D; 7017D; 7307D.
 3-E (Port Susan, north of Kayak Point to Tulalip): 3-7112.
 1-E (Port Susan, off Kayak Point): 6702B.
 1-E (Saratoga Pass.): 6810B.
 1-E (near Mukilteo): 6407.
 2-E (training cruise area: off Penn Cove): 6826E; 7110E.
 1-E (Elger Bay): 7112.
 1-AI (training cruise area: east of north Marrowstone Island): 6630J.
 2-CS (mid Quartermaster Harbor): 5042C,D.
 1-CS (off Port Madison): 5043C.
 1-CS (east of Point Monroe): 5805C.
 4-CS (Port Madison): 5122A; 5132D; 5924A; 5932A.
 3-CS (Port Madison, off Agate Pass.): 5232A; 5302AA; 5310.2F.
 1-CS (mid-channel, Meadow Point to Port Madison): 5709B.
 2-CS (training cruise area: mid-channel, Skiff Point to West Point): 6628B; 7313B.
 3-CS (Murden Cove): 6710B; 6818B; 6906D.
 77-PO (off Fletcher Bay to south of Battle Point and Brownsville): 5207E; 5223B; 5226A; 5228F; 5230F; 5232C; 5235P; 5236C,E; 5301A,B; 5309A; 5310.3B,.5D,.5G; 5315B; 5317A,B; 5323A; 5402X; 5413A; 5421A; 5422A,B,C; 5503A; 5504; 5507; 5523A,B; 5602A,B; 5615A,B,C; 5707A,B,G,H; 5709C; 5711A; 5809A; 5901AK; 5904A,B,C; 5919B; 5923A,B; 5924B; 5932B; 6001AM; 6008A,B; 6011A; 6016A1,B1,A2,B2,A3,B3,A4,A5,B5; 6021A,B; 6205D1,D2,D3; 6320A; 6403AF; 6425-2A; 6427A,B; 6505A; 6507K; 6707.

Hippoglossoides elassodon

Pleuronectidae

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Miscellaneous Logs

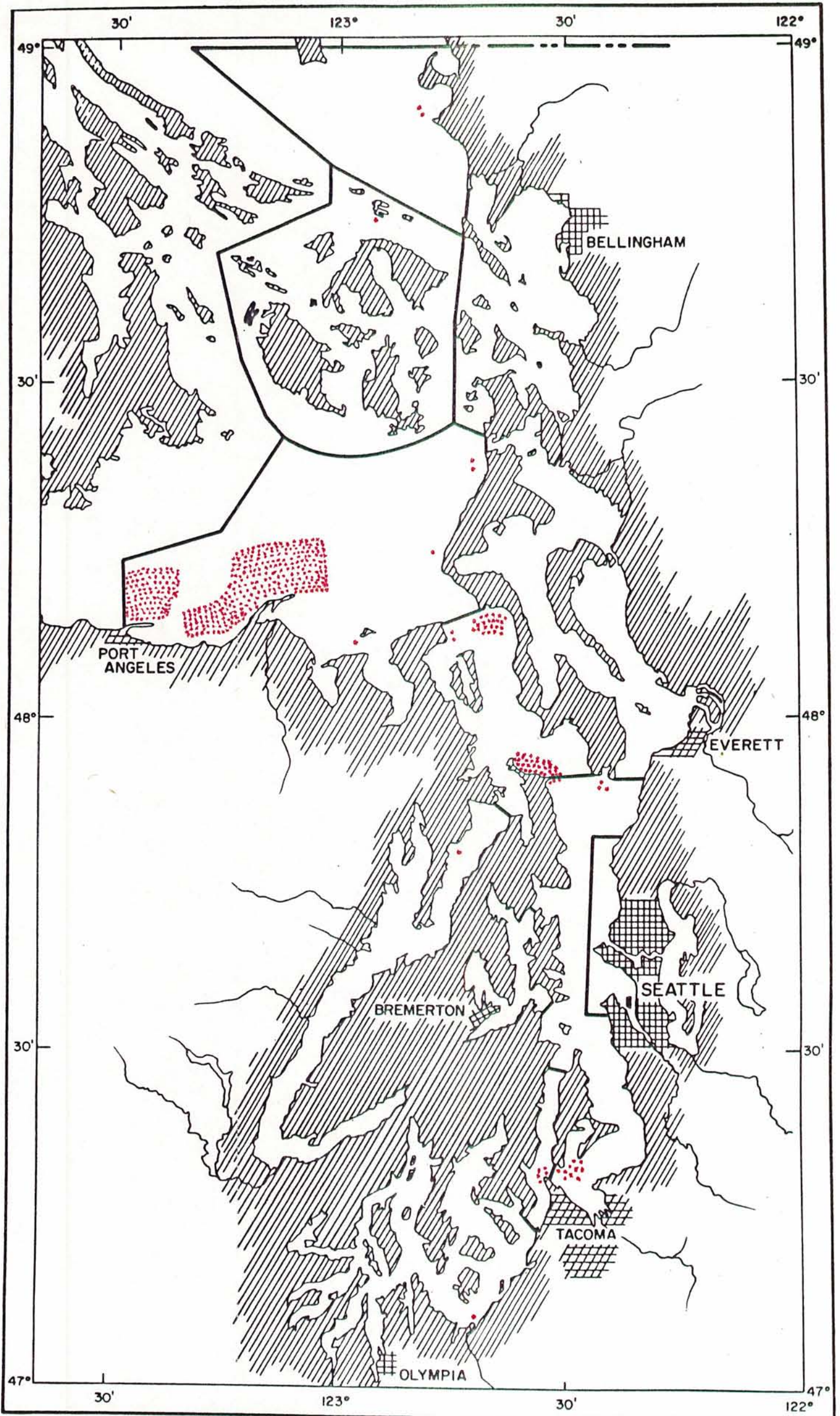
- 11-PO (off south of Fletcher Bay):
5229A,C,D; 5413B,D,F; 5421B;
5801A,C; 6016B4; 6118A.
- 14-PO ("B-2" to "B-1"):
5236F; 5301C; 5526A; 6205C1.
- 1-PO (off Manzanita to off Seabold):
5310.2B.
- 2-PO (off Battle Point and north):
5310.3A; 5422F.
- 14-PO (most off Fletcher Bay):
5812B; 5926A; 6002A; 6214; 6711C;
6713A,F; 6715; 6821.5F; 7011A,B;
7107A,B; 7313X.
- 5-S (off Golden Gardens to Meadow
Point):
497E; 5129C; 5314A; 5920A; 5924C.
- 1-S (off Meadow Point to Carkeek
Park): 5606A.
- 2-S (off north of Carkeek Park):
6206C; 6414E.
- 1-HC (Dabob Bay): 7102C.
- 1-HC (mid-channel, off Hoodspout to
Potlatch): 6804D.
- 4-HC (Dabob Bay, Broad Spit to Long
Spit): 6807B; 6724A; 6804B,H.
- 1-HC (opposite Vinland): 7112C.
- 1-HC (west of Misery Point): 7202A.
- 1-HC (just south of floating
bridge): 7112D.
- 39-SS (Carr Inlet, off Glen Cove to
Raft and Cutts Islands):
5009J; 5037C; 5045A,B,C; 5101B,E,
F; 5102A,B; 5104J,L,P,Q,Y,Z,AA;
5115F; 5126M; 5201A,O; 5204A,B,C,
D,K,L,N; 5213D; 5227B; 5613A,B,C,
D,E,F,G,H,I.
- 24-SS (Carr Inlet, off Minter Creek
to Elgin): 5037H; 5045G,J;
5046C; 5101C; 5102C; 5104D,V,X;
5107A; 5126D,F; 5133B; 5135A,B,C,
D; 5201G; 5213E,F; 5227D,F,G,I.
- 9-SS (Carr Inlet, off Wauna):
5037I; 5101A; 5104E,F,G,W; 5126L;
5227A,C.
- 1-SS (mouth of Carr Inlet, Gibson
Point to Gertrude Island):
5046D.
- 1-SS (Carr Inlet, off north of Home
to off Horsehead Bay Spit):
5104R.
- 1-SS (Carr Inlet, southwest of Green
Point): 5104T.
- 1-SS (Case Inlet, west of Herron
Island): 5126H.
- 1-SS (northwest end of Nisqually
Reach): 5201C.
- 1-SS (Dana Pass., off Unsal Point):
5201J.
- 9-SS (Carr Inlet):
5522A,B,C; 5605A,B,D; 5703A,C,D.
- 2-SS (Case Inlet): 5613J,K.
- 2-SS (Carr Inlet, Glen Cove to Green
Point): 6724B-2,3.
- 1-SS (Case Inlet, east of Hartstene
Island): 6724C.
- 7-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
- 3-S (Meadow Point):
U.W. Ocean., 1964-67.
- 6-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
- 4-S (Golden Gardens to Meadow
Point):
U.W. Ocean., Hoh, 1963-68.
- 43-PO (south and north of Fletcher
Bay): U.W. Ocean., Hoh, 1963-67.
- 2-HC (Lynch Cove):
U.W. Ocean., Hoh, 1963-67.
- 3-SS (Case Inlet, off Taylor Bay to
off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
- 7-SS (Carr Inlet, off Horsehead
Bay): U.W. Ocean., Hoh, 1963-67.
- 10-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
- 25-E (Port Susan):
U.W. Ocean., Hoh, 1963-67.
- 2-E (Port Gardner Bay):
U.W. Ocean., Hoh, 1963-67.
- 3-E (Penn Cove):
U.W. Ocean., Hoh, 1963-67.
- 4-E (off Demock Point to off
Utsalady Point):
U.W. Ocean., Hoh, 1963-67.
- 1-E (Saratoga Pass., off Demock
Point):
U.W. Ocean., Hoh, 1963-67.
- 2-E (Holmes Harbor):
U.W. Ocean., Hoh, 1963-67.
- 1-SS (Case Inlet, off Taylor Bay to
off Whiteman Cove):
U.W. Ocean., Commando, 1968.
- 1-E (Port Susan): U.W. Ocean.,
herring trawl, 1968-69.
- 3-AI (Port Townsend Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 1-JF (Discovery Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 2-B (Samish Bay; Bellingham Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 3-SJ (East Sound):
U.W. Ocean., Hoh, S.J., 1966.
- 2-E (Port Susan; Port Gardner Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 14-JF (Discovery Bay): WSDF,
groundfish trawl, through 1970.
- 1-E (Holmes Harbor): WSDF,
groundfish trawl, through 1970.
- 8-B (Bellingham Bay): WSDF,
groundfish trawl, through 1970.
- 3-JF (Discovery Bay): WSDF,
Commercial Catch Comp., 1966-71.
- 1-E (Holmes Harbor): WSDF,
Commercial Catch Comp., 1966-71.
- 1-E (Saratoga Pass.): WSDF,
Commercial Catch Comp., 1966-68.
- 1-B (west of Lummi Island): WSDF,
Commercial Catch Comp., 1969-70.
- 1-SS (Carr Inlet): WSDF, Commercial
Catch Comp., 1969-70.

Hippoglossoides elassodon

Pleuronectidae

Miscellaneous Logs

- 2-SS (Case Inlet): WSDF, Commercial
Catch Comp., 1969-70.
- 29-AI (east of Port Townsend):
NMFS, Cobb 35.
- 5-JF (west of Protection Island):
NMFS, Cobb 35.
- 2-JF (Discovery Bay):
NMFS, Cobb 35.
- 3-SS (Carr Inlet): NMFS, Cobb 68.
- 1-E (Holmes Harbor): NMFS, Cobb 68.
- 3-PO (Narrows, south of Fletcher
Bay): NMFS, Cobb 68.
- 1-E (Holmes Harbor): NMFS, Cobb 70.
- 1-JF (northwest of Dungeness Spit):
NMFS, Cobb 92.
- 1-E (Everett Harbor):
NMFS, Cobb, 1/20/61.
- 116-SJ (East Sound, south of Rosario
Point): NIH, 1964-66.
- 7-SJ (East Sound): NIH, 1968-71.
- 3-B (Bellingham Bay, off Nooksack
River to Marine Drive):
NIH, 1968-71.
- 1-S (Golden Gardens to Carkeek
Park): NIH, 1968-71.
- 1-PO (off Fletcher Bay):
NIH, 1968-71.
- 2-CS (Port Madison):
Van Cleve, trap, 1961-65.
- 2-E (Holmes Harbor):
Van Cleve, trap, 1961-65.
- 1-JF (lower Sequim Bay):
Sea Grant, 71110.
- 1-JF (lower Discovery Bay):
Sea Grant, 71111.
- 1-GS (tow area 3, off Cherry Point):
WSDF, Gulf Georgia, 1969-71.
- 19-JF (west of Protection Island):
NMFS, Cobb, 2/28/73.
- 1-CS (south of Possession Point):
NMFS, Cobb, 2/28/73.
- 4-GS (south of Cherry Point):
Sea Grant, 1972.
- 2-B (Bellingham Bay: mid-channel off
Nooksack Flats; mid-channel off
Point Frances):
Sea Grant, 72035.
- 3-PO (off south of Fletcher Bay):
Sea Grant, 73008.
- 1-B (Bellingham Bay, off Nooksack
River Flats): Sea Grant, 73032.
- 4-HC (mid-channel, off Union):
Sea Grant, 1973-74.
- 1-HC (mid-channel, off Skokomish
Delta): Sea Grant, 1973.
- 2-SS (Cormorant Pass.):
Sea Grant, 73060.



Hippoglossus stenolepis

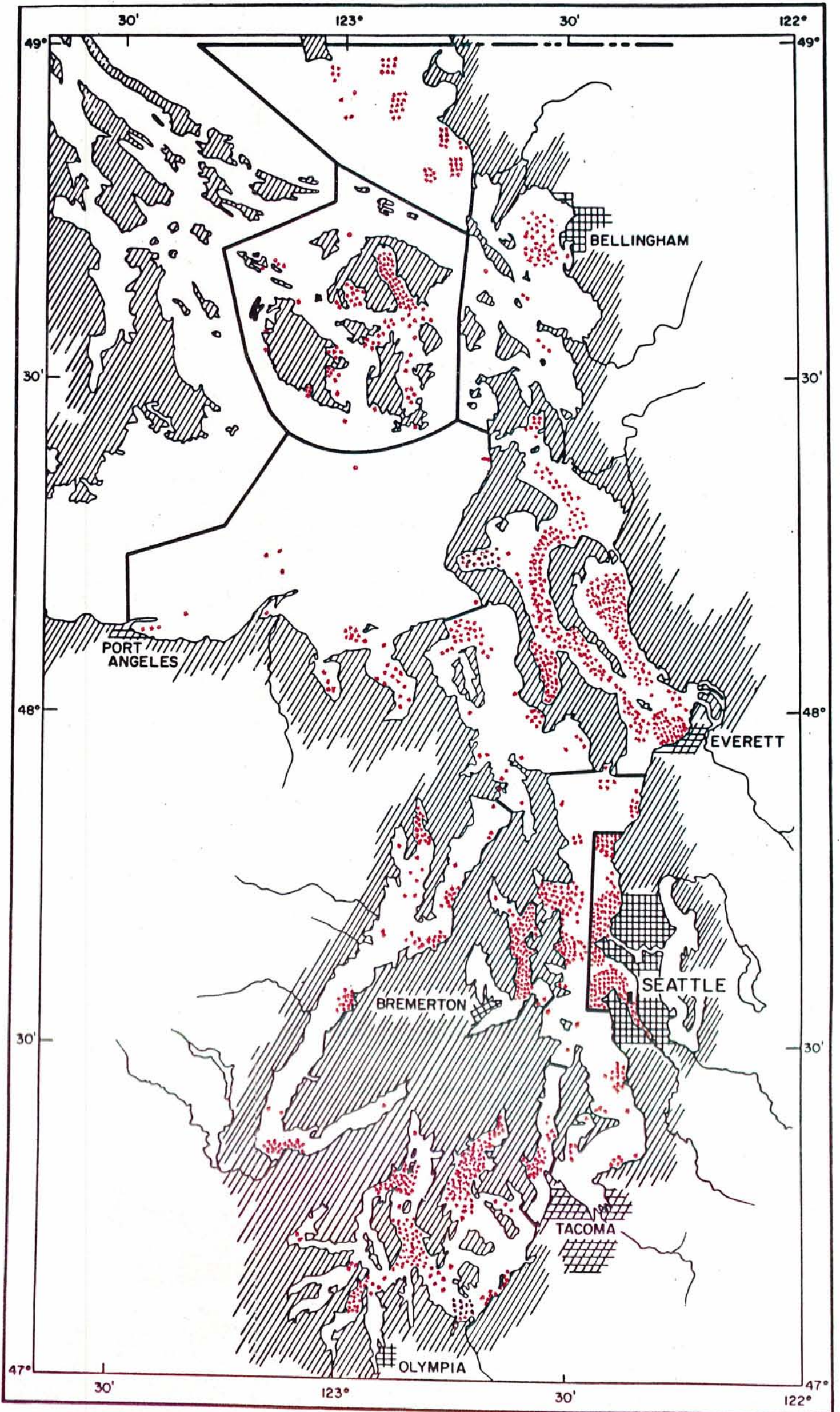
Pleuronectidae

Published Records

- 50+-JF (fishing grounds: north of Ediz Hook; nrtheast of Dungeness Spit; mid-channel northeast and north of Dungeness Spit): Collins, 1892; Thompson and Freeman, 1930.
- 10+-AI (fishing grounds: tip of Foulweather Bluff to south of Point No Point): Collins, 1892; Thompson and Freeman, 1930.
- 1-PS: Kincaid, 1919.
- 1-JF (mid-channel, north of Dungeness Spit): Greenwood, 1957 (also NMFS, Cobb 25).
- 1-GS: Smith, 1936.
- 1-JF (west coast of Whidbey Island): Schultz and DeLacy, 1935-36.
- 10+-AI (Admiralty Head): Haw and Buckley, 1971.
- 50+-JF (Sport Catch, off Dungeness Spit and off Green Point): Haw and Buckley, 1971.
- 1-CS (off Possession Point): Fishing and Hunting News, 6/24/72.
- 1-SS (near Nisqually River mouth): Slipp, 1948a.
- 5-CP (Point Defiance area): Slipp, 1948a.
- 10+-CS (mouth of Quartermaster Harbor): Slipp, 1948a.

Miscellaneous Logs

- 2-JF (off West Beach): WSDF, Sport Fish., 1965-70.
- 1-HC: WSDF, Sport Fish., 1965-70.
- 1-JF (Protection Island): WSDF, groundfish trawl, through 1970.
- 1-SJ (Sucia Island): Allyn Johnson, Sport Catch, 1972.
- 2-AI (east of Port Townsend): NMFS, Cobb 35.
- 1-JF (off Dungeness Spit): NMFS, Cobb 69.
- 2-JF (off Dungeness Spit): Bill High, personal communication, 8/2/71.
- 2-GS (off Birch Bay to off Point Whitehorn): Larry Roberts, 4/22/67 and Mr. Bayley, 5/22/72, Sport Catch; Tom McCalib, Birch Bay Marine, personal communication, 5/24/72.
- 1-HC (Thorndike Bay): Percy Washington, personal communication, 1973.
- 1-CS (off Possession Point to off Cultus Bay): Bill Nelson, personal communication, 1973.
- 1-CS (off Possession Point to off Cultus Bay): Percy Washington, personal communication, 1973.



Lepidopsetta bilineata

Pleuronectidae

Published Records

- 1-PS: Jordan and Gilbert, 1882.
 1-JF (beach seine: Port Angeles):
 Gilbert, 1895.
 1-AI (Port Ludlow): Starks, 1896b.
 1-SJ: Starks, 1911.
 1-PS: Kincaid, 1919.
 1-PS: Norman, 1934.
 1-SJ: Shelford et al., 1935.
 1-SJ (Friday Harbor):
 Wismer and Swanson): 1935.
 1-HC (Holly):
 Schultz and DeLacy, 1935-36.
 2-AI (north of Tala Point;
 Marrowstone Point):
 Evermann and Goldsborough, 1907.
 1-JF (off Admiralty Head):
 Evermann and Goldsborough, 1907.
 4-GS: Smith, 1936.
 9-B (Bellingham Bay): Smith, 1936.
 5-E (Coupeville): Smith, 1936.
 1-JF (Sequim Bay): Smith, 1936.
 2-AI (Port Townsend; Port Gamble):
 Smith, 1936.
 2-HC (Dabob Bay; Bangor):
 Smith, 1936.
 1-SS (Hale Pass.): Smith, 1936.
 4-SS (Anderson Island; Nisqually
 Flats; Dofflemeyer Point; Hale
 Pass.): Smith, 1937.
 1-CS (north of Point Pully):
 Smith, 1937.
 2-E (Gedney Island): Smith, 1937.
 4-E (Columbia Beach; Langley;
 Camano; Watsak Point):
 Smith, 1937.
 1-CS (Meadowdale): Smith, 1937.
 2-HC (Holly; Hoodspoint):
 Smith, 1937.
 1-HC (Quilcene Bay): Smith, 1937.
 3-SJ (Upright Channel; Obstruction
 Island; Blakely Island):
 Smith, 1937.
 2-JF (mid-channel, north of
 Dungeness Spit):
 Greenwood, 1957.
 1-E (Kiket Island):
 Stober and Salo, 1970b.
 2-E (Skagit and Similk Bays):
 Stober and Salo, 1970b.
 6-E (Similk Bay):
 Stober and Salo, 1970a.
 4-E (Skagit Bay):
 Stober and Salo, 1970a.
 8-S (Duwamish River estuary):
 Salo, 1969.
 103-S (Duwamish Head): Salo, 1969.
 5-E (Port Gardner Bay): Salo, 1969.
 19-E (Skagit Bay): Salo, 1969.
 1-B (Bellingham Bay, north of Eliza
 Island): Tyler, 1964.
 4-CS (beach seine: south side of
 Point Jefferson): Kendall, 1966.
 2-S (Seattle Harbor; Shilshole Bay):
 Townsend, 1935.
 1-E (Saratoga Pass.):
 Townsend, 1935.
 4-CS (Dumas Bay): Miller, 1971b
 (also NIH, 71105 and 71106).
 7-CS (Seahurst County Park):
 Miller, 1971a (also boat 7113 and
 NIH 71101).
 50+-E (sport catch: Port Gardner;
 Port Susan; and Saratoga Pass.):
 Haw and Buckley, 1971.
 50+-HC (sport catch):
 Haw and Buckley, 1971.
 50+-CS (sport catch):
 Haw and Buckley, 1971.
 50+-SS (sport catch):
 Haw and Buckley, 1971.
 5-HC (Anderson Cove): Chew, 1970.
 10+-HC (commercial catch):
 DiDonato, 1969.
 13-S (beach seine: Golden Gardens):
 Kendall, 1966.

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- 2-SJ (Flat Point): 687; 703.
 10-S (Alki Point):
 767; 782; 802; 868; 1922; 4460;
 4482; 5133; 5135; 6109.
 2-SJ (Deer Harbor): 813; 1233.
 2-SJ (Peavine Pass.): 1095; 1337.
 1-SJ (Davis Bay): 1193.
 1-SJ (near Peavine Pass.): 1204.
 1-SJ (near Olga): 1210.
 1-SJ (East Sound, entrance): 1294.
 1-SJ (northeast side of San Juan
 Island): 1298.
 1-PO (off Seabold): 4374.
 1-S (Edmonds, hand seine): 4411.
 6-S (Edmonds Beach): 4475; 5293;
 5442; 5484; 5515; 5522.
 1-S (beach seine: Alki Point):
 4528.
 2-S (beach seine, spit near Ballard
 Locks): 4612; 4620.
 3-PS: 4748; 11603; 5392.
 1-AI (Skunk Bay): 4812.
 1-JF (Port Angeles): 4959.
 3-CS (Port Madison, off Indianola):
 5890 (also boat 3/25/49-3); 6102;
 6127.
 1-CS (north side of Maury Island):
 6134.
 1-PO (Liberty Bay): 6188.
 2-CS (Port Madison): 7640 (also
 boat 1/22/49-1); 10353.
 1-AI (Bywater Bay): 14678.
 1-E (Gedney Island): 14830.
 1-AI (Admiralty Inlet): 17021.
 1-B (east northeast of Vendovi
 Island): 7670.
 1-SS (off Budd Inlet):
 10352 (also boat 7/20/49-4).
 1-E (Port Susan, off Warm Beach):
 5954 (also boat 5023B).
 1-AI (off Useless Bay):
 5640 (also boat 5/7/49-1).

Lepidopsetta bilineata

Pleuronectidae

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- 2-CS (off Cultus Bay):
5640 (also boat 5/7/49-2,3).
- 9-S (beach seine: Golden Gardens):
6001 (also boat 5021A); 6015
(also boat 5021B); 6008 (also
boat 5021C); 6010 (also boat
5021F); 14834 (also boat 5209A);
14838 (also boat 5215U); 14851
(also boat 5108C); 14902 (also
boat 5001); 15580.
- 1-SJ (Griffin Bay): 2162.
- 3-S (Carkeek Park):
5999 (also boat 5022B); 6054;
12741 (also boat 5708B).
- 2-SJ (Friday Harbor): 2206; 14901.
- 1-SJ (West Sound): 2240.
- 1-SJ (Harney Channel): 2263.
- 1-S (beach seine: North Beach):
4672.
- 1-S (off North Beach): 4677.
- 1-S (North Beach): 4683.
- 2-S (south of Richmond Beach):
4715; 5346.
- 1-CS (beach seine: Redondo Beach):
4743.
- 1-S (off Meadow Point): 4763.
- 1-S (Edmonds): 4922.
- 1-S (Edwards Point to Wells Point):
4987.
- 1-S (three miles north of Ballard
Locks): 5005.
- 1-PO (Agate Pass., buoy N4 to N6):
5964 (also boat 3/25/49).
- 3-SJ (East Sound): 6070; 16679 and
16695; 17062 (also Friday Harbor
log, 6/20/63).
- 1-SJ (East Sound, south of Rosario
Point):
18663 (also NIH, 1964-66).
- 1-S (one mile south of Alki Point):
6060.
- 2-S (off Golden Gardens):
8283 (also boat 494B); 10647
(also boat 495D).
- 1-B (east northeast of Vendovi
Island): 8311 (also boat 491K).
- 2-S (Meadow Point to Spring Beach):
10363; 10364.
- 1-S (Seattle): 10369.
- 1-S (Golden Gardens): 10372.
- 1-S (south of Meadow Point): 10657.
- 1-S (beach seine: Carkeek Park):
14822.
- 1-AI (off White Rock):
14829 (also boat 499K).
- 1-S (Richmond Beach): 14832.
- 1-CS (head to Quartermaster Harbor):
14832 (also boat 5042B).
- 1-SJ (northeast of Waldron Island):
14904.
- 1-S (Shilshole Bay): 15423.
- 1-SS (Johns Island, second bay):
15846.
- 1-CS (beach seine: Cultus Bay):
16620 (also boat 5217A).
- 1-S (one mile south of Duwamish
Head): 16624.
- 1-PO (off Fletcher Bay):
17115 (also boat 6406C).
- 1-B (Chuckanut Bay): 18096.
- 1-E (Port Susan, off Spee-Bi-Dah):
17840.
- Friday Harbor Laboratory Log
- 2-B (Bellingham Bay):
7/26/51-2; 6/22/55.
- 1-SJ (off Upright Head): 6/28/51-1.
- 1-SJ (Lopez Sound, off Spencer
Spit): 6/28/51-3.
- 1-JF (west of McArthur Bank):
7/12/51-1.
- 1-SJ (Lopez Sound and East Sound):
7/1/52.
- 1-SJ (Salmon Banks): 7/7/52-3.
- 1-SJ (Stuart Island, Reid Harbor):
7/9/52-2 (also boat 5220H).
- 6-SJ (West Sound): 7/9/52-3 (also
boat 5220I); 7/26/60-2; 6/26/61;
6/27/63-B; 6/20/69-2; 7/6/72-2.
- 1-SJ (Friday Harbor lab): 8/3/52.
- 2-SJ (north side of Johns Island,
second bay): 8/19/52-1,2.
- 1-SJ (Friday Harbor): 8/15-16/52.
- 5-SJ (False Bay):
8/4/52-2; 7/24/60; 8/5/60;
6/29/61; 6/21/63.
- 6-SJ (East Sound):
8/11/52; 7/6/60-2; 7/26/60-1;
8/13/60-1; 6/20/61; 7/6/72-1.
- 4-SJ (lower East Sound): 7/28/55-2;
8/11/55-3; 6/20/50-2; 6/26/73-1.
- 1-SJ (East Sound or West Sound):
7/25/55.
- 1-SJ (Upright Channel, Ogden Park):
8/22/55-8.
- 3-SJ (Squaw Bay):
8/1/55; 8/1/60-1; 7/10/61-1.
- 5-SJ (Argyle Bay):
8/16/55-1; 8/11/60-3; 7/12/61-1;
7/15/63; 7/10/69-4.
- 1-SJ (north of Flat Point):
6/20/50-1 (also boat 5033H).
- 1-SJ: 7/14/67.
- 1-SJ (West Sound and Lopez Sound):
6/27/60.
- 2-SJ (Upright Head to Olga):
8/1/60-2; 7/10/61-2.
- 1-SJ (Mitchell Bay): 8/13/60-1.
- 2-SJ (North Bay): 8/18/60-1,2.
- 1-SJ (McArdle Bay): 8/22/60-3.
- 1-SJ (Lopez Sound): 8/22/60-4.
- 1-SJ (Smallpox Bay): 7/13/61.
- 6-SJ (mid East Sound):
1/17/64; 2/21/64; 4/3/64; 6/5/64;
7/11/64; 6/20/69-1.
- 1-SJ (Upright Head to Foster Point):
6/26/73-2.

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- 1-JF (off Ediz Hook to Green Point): 5705E.
- 1-SJ (Lopez Sound, south of Spencer Spit): 5033P.
- 1-SJ (Lopez Sound, west of Ram Island): 5033R.
- 1-SJ (East Sound): 6512I.
- 4-SJ (training cruise area: Lopez Sound, southwest of Center Island): 7017I; 7110I; 7118I; 7307I.
- 13-SJ (training cruise area: East Sound, north of Rosario Point): 6507H; 6517H; 6603H; 6614H; 6620H; 6630H; 6717H; 6815H; 6914H; 7010H; 7110H; 7118H; 7313H.
- 18-B (training cruise area: southwest of Post Point): 6507G9; 6517G; 6603G; 6614G; 6620G; 6630G; 6815G; 6819G; 6826G; 6908G; 6914G; 7010G; 7017G,G.1; 7110G; 7118G; 7307G; 7313G.
- 2-B (Bellingham Bay): 6517G; 6822G.
- 2-E (Port Susan, off Warm Beach): 5023A,C.
- 2-E (off Mission Beach): 5023E,F.
- 2-E (Penn Cove, off Coupeville to Lovejoy Point): 5213C; 5316J.
- 11-E (Holmes Harbor, Rocky Point to Dines Point): 5234A; 5307A,B,C,D,K,L,Q,R,S; 5312I.
- 22-E (Holmes Harbor, south of Classic): 5305A,G; 5307E,F,G,H,M,N,O,T,U; 5312B,C,D,E,L; 5316E,N; 5501A,B,C,E.
- 11-E (Holmes Harbor, Dines Point to Classic): 5305C,D; 5307I,J; 5312G,J,K; 5405G,H; 5501D; 5712F.
- 27-E (Holmes Harbor): 5305H,J,L,M; 5325B; 5327A,B; 5405A,B,C,D,E,F; 5418D; 5420A,B,C; 5522D; 5604D,E,F,G,H,I; 5703E,G; 6117A.
- 2-E (beach seine: Good Beach, Penn Cove): 5316G,H.
- 3-E (off Utsalady Point): 5321C,D,E.
- 1-E: 5712B.
- 7-E (Saratoga Pass., off Onamac Point to Indian Beach): 5321K,L; 5405L,M,N; 5418K,L.
- 9-E (in Elger Bay): 5321M,N; 5330J; 5405O,P,Q; 5418I,J; 7112.
- 2-E (Saratoga Pass., off Saratoga to Langley): 5321O; 5330K.
- 3-E (Saratoga Pass., off Snatelum Point to Onamac Point): 5330F,I; 5712C.
- 7-E (Penn Cove): 5405I,J,K; 5420F,G; 5712A; 5810H.
- 1-E (Saratoga Pass., off north Bluff to off Greenbank): 5418M.
- 1-E (Saratoga Pass., Cama Beach to Lowell Point): 5712D.
- 1-E (Penn Cove mouth, off Long Point to off Snatelum Point): 5810G.
- 2-E (Saratoga Pass.): 6810B,C.
- 1-E (training cruise area: Saratoga Pass. north of Langley): 6614D.
- 1-E (training cruise area: off Penn Cove): 6614E.
- 1-E (north of Kayak Point to Tulalip in Port Susan): 7112.
- 1-AI (off Port Townsend): 5009B.
- 1-AI (in Oak Bay): 5009C.
- 1-AI (off Tala Point to Hood Head): 6902M.
- 3-AI (training cruise area: east of the north end of Marrowstone Island): 6507J; 6603J; 6630J.
- 1-HC (off Shine to off Sisters buoy): 12/28/48-2.
- 2-HC (off Lofall): 12/28/48-3,4.
- 1-HC (opposite Hoodspout): 499F.
- 1-HC (Dabob Bay, off Tabook Point): 499I.
- 4-HC (Dabob Bay): 6202A; 7102A,H,K.
- 1-HC (west of Seabeck Bay): 6902J.
- 1-HC (opposite Vinland): 7112C.
- 2-HC (off Pleasant Harbor): 6902K; 7003I.
- 3-HC (Anderson Cove): 7009B,C,D.
- 26-HC (Dabob Bay, Broad Spit to Long Spit): 6503C,E; 6601C,D; 6629A,D,E; 6702D,E,F; 6724A; 6804B; 6828A; 6902E,F; 7202D,E,F,G,H,I; 7303A,B,C,D,E.
- 18-CS (Port Madison): 1/22/49-2,3,4,5; 2/5/49-1; 2/22/49-1; 6/30/49; 492A; 5006B,C; 5043A; 5048B; 5122A; 5131B; 5812A; 5932A; 6203A; 7011C.
- 4-CS (off Port Madison): 5006E; 5043B,C; 5223A.
- 2-CS (off Cultus Bay): 5032A; 5042Q.
- 3-CS (mouth of Quartermaster Harbor): 5042A; 5104B; 5115H.
- 1-CS (Tramp Harbor): 5104A.
- 1-CS (north of Des Moines): 5224A.
- 5-CS (off Agate Pass., Port Madison): 5232A; 5236A; 5302AA; 5310.2F; 5317C.
- 1-CS (west of Point Monroe): 5315D.
- 1-CS (mid-channel, Meadow Point to Port Madison): 5709B.
- 1-CS (off Fay Bainbridge State Park): 5805A.
- 4-CS (east of Point Monroe): 5805C; 5813A,B,C.
- 2-CS (beach seine: south of Fay Bainbridge State Park): 5806A,B.
- 44-CS (Murden Cove): 6610A,C,D; 6612A,B; 6613A,B; 6616; 6706B; 6710A; 6711D2; 6713C,D,G,H; 6806B; 6809A; 6812B,C,D,E; 6818A,B,C; 6819X; 6821.5G,H,I; 6823-1,2,3; 6906A,B,C,D,E; 6912; 7008A; 7108A,B,C,D; 4/4/73B; 7308A.

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- 1-CS (training cruise area: mid-channel, West Point to Skiff Point): 7308B.
- 4-CS (off Murden Cove): 6610B; 6710A2,B2,C2.
- 1-CS (Vashon Island, off Sylvan Beach): 6703A.
- 1-CS (Vashon Island, east of Neill Point): 6703C.
- 3-CS (trap, Port Madison): 6213-1,2,3.
- 1-CS (trap, Blake Island): 6217-4.
- 1-CS (Manchester): 6618.
- 1-CS (off West Point): 7017Y.
- 20-PO (Agate Pass., buoy N4 to N6): 2/5/49-2; 2/22/49-3,4; 3/25/49; 5006A; 5048A; 5106E; 5131A; 5132C; 5206A; 5309C; 5310.lb,.2E,.3D,.4F,.5C,.5F,.5J; 5315C; 6617B.
- 5-PO (south part of Agate Pass.): 495C; 4910B; 5011C; 5207G; 5401B.
- 1-PO (north of buoy N4): 5020B.
- 13-PO (off south of Fletcher Bay): 5229A,C,D; 5413B,C,E,F; 5926B,C,D,E; 6016B4; 6118A.
- 91-PO (off Fletcher Bay to south of Battle Point and Brownsville): 5206B; 5207D,E; 5223B; 5226A,B; 5228E,F; 5230F; 5232C; 5235P; 5236C,D,E; 5301A,B,D; 5303; 5306A; 5309A; 5310.3B,.5D,.5G; 5315B; 5317A,B; 5323A; 5402X; 5404.1; 5409.1; 5421A; 5422A,B,C,D; 5503A; 5504; 5523A,B; 5602B; 5615A; 5707A,E,G,H; 5709C; 5711A; 5809A; 5901AK; 5904A,B,C; 5906A; 5912A; 5915A,E; 5919A,B; 5923B; 5924B; 5927C; 6001AN; 6003A; 6006A,B; 6008A; 6011A; 6016A1,B1,A2,B2,A3,B3,A4,B5; 6021A,B,C,D,E; 6101C; 6109A; 6111A,B; 6205D1,D2,D3; 6320C; 64C3AF; 6425; 6427B.
- 13-PO (off Manzanita to Seabold): 5236B; 5310.1C,.1D,.2B,.2C,.2D,.4A,.4B,.5A,.5B,.5E; 6215A,B.
- 5-PO (off Battle Point and north): 5309B; 5310.1A,.3A; 5422F,G.
- 2-PO ("B-2" to "B-1"): 5301C; 5526A.
- 1-PO (in Manzanita Bay): 5310.3C.
- 2-PO (Point Bolin to Keyport): 5310.4D,.4E.
- 25-PO (most off Fletcher Bay): 5812B; 5926A; 6002A; 6007B; 6009A; 6203C,D; 6204A; 6214; 6419; 6515; 6713A,B,E,F; 6715; 6821.5F; 7011A,B; 7020; 7104-1; 7105-1,2; 7302A; 7313X.
- 6-PO (beach seine: one mile north of Illahee Dock): 6205A1.1,1.2,2.1,2.2,3.1,3.2.
- 3-PO ("B-2" to "B-3"): 6205C1,2,3.
- 1-PO (off Seabold Wharf): 6617A.
- 1-PO (Brownsville to White Point): 6806A.
- 20-S (off Meadow Point to Carkeek Park): 5020A; 4/16/49-3; 5039E; 5041B; 5211A,B; 5212A,B,D; 5216A; 5233A; 5606A; 5713A,D; 6414B,C; 6510A,B; 7120A,B.
- 101-S (off Golden Gardens to Meadow Point): 4/2/49-1,2; 4/16/49-2,4,5; 491A; 494C; 496A,C; 497E; 498A,B; 5003A; 5007B; 5008B; 5009K; 5011D; 5014C; 5017C,D,F; 5028A,B; 5029C,D; 5033A; 5034A,B,D; 5039D; 5110B,E,F; 5112A,C,E; 5119C,D,G,H; 5127B; 5129C; 5131C; 5132A,B; 5136A; 5203C,D; 5233B,C; 5314C; 5324B,C,D; 5329A,C,D; 5408A; 5416A; 5512E,F,G; 5521A,D,E; 5607A,B; 5616A,B; 5702AN; 5704D,E; 5707J,K; 5709A; 5713G; 5907B,C,D; 5911A; 5920A,B,E,F; 5924C; 6005A; 6010B,C,D; 6018A; 6112A,B,C; 6114A; 6206A,B; 6311A,D; 6506A,C; 6510C.
- 21-S (beach seine: Carkeek Park): 5022A,C; 5219A,B; 5220A,C; 5221B,C; 5225A,B; 5231A; 5311A,B; 5313A,B,C; 5708B,C,D; 5808A,B.
- 189-S (beach seine: Golden Gardens to Meadow Point): 492E; 5007D; 5010A; 5012B,C; 5015A; 5016A,B,C,D; 5018A; 5019C; 5021G; 5024A,C,D; 5030B; 5032.1A,C; 5036A; 5047A,B,C; 5105A; 5108A,B; 5110G,H; 5112G; 5114A,B; 5116A,C1,C2,D1,E,F,G1; 5119E,F; 5121B; 5127C; 5129B; 5134A,B; 5137A,B; 5208A,B; 5209C,D; 5214A1,A2,B1,B2,C1,C2,D1,D2,E1,E2,F; 5215A,B,C,D,E,F,H,I,J,K,L,M,N; 5308A,B; 5320A; 5322A; 5324E; 5328A; 5329E; 5404A; 5406; 5407; 5409; 5412A; 5415J,M,O,B,P; 5417A; 5424B; 5505B; 5508C; 5513C,D; 5609A,B; 5612A; 5706A,B,C; 5710A,B; 5804A; 5807A,B; 5909D,E; 5913A; 5914A,C; 5920K,M,N,O; 5925A,B; 6019A; 6110; 6113A,B,C; 6115A; 6116A,B; 6207A,B,C; 7209A,B,D; 6211; 8-6309; 12-6310; 6311C; 6410A,B; 6411A,B; 6-6417; 6508A,B,C,D; 6509A,B,C,D; 6511C,D,E,F; 6513A; 6518A,B; 6708A,B,C; 6709B; 6711A2,B2,C2; 6716A.
- 4-S (off Alki Point to Duwamish Head): 5027A,B; 5616D; 5702AM.
- 2-S (off south of West Point to off Four-Mile Rock): 5027D; 5602C.
- 1-S (Meadow Point): 6414A.
- 1-S (north of Meadow Point): 6406A.
- 1-S (north of Carkeek Park): 6414E.
- 1-S (Meadow Point to Richmond Beach): 6429A.
- 2-S (west of Duwamish Head): 6615A,B.
- 1-S (one mile southwest of West Point): 6806C.

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- 1-S (off West Point sewer outfall):
6718-6.
- 16-S (beach seine: Alki Point to
Duwamish Head): 16-6619.
- 8-S (beach seine: north side of West
Point):
7310A2,A3,A4,B1,B2; 7311A,B,C.
- 1-CP (off Paradise Cove to Point
Sandford): 5126N.
- 4-CP (off Camp Sealath):
5009E,F; 5104CC,DD.
- 1-CP (off south of Point Sandford):
7/18/49-1.
- 1-CP (south end of West Pass.):
7/21/49-1.
- 1-SS (Drayton Pass.): 7/19/49-2.
- 2-SS (off McLane Cove to Stretch
Island): 7/20/49-3; 5201L.
- 1-SS (Case Inlet, west of Herron
Island): 5009G.
- 1-SS (north end of Pickering Pass to
off McLane Cove): 5009H.
- 5-SS (northwest end of Nisqually
Reach): 5009I; 5201C,D,M; 5204F.
- 33-SS (Carr Inlet, off Glen Cove to
off Raft and Cutts Islands):
5009J; 5037G; 5045A,B,C,H; 5101B,
E; 5104J,K,L,M,N,O,P,Y,AA; 5115F;
5126M; 5201A,B,O; 5204C,D,M,N;
5213D; 5227B; 5613B,C,G,H,I.
- 2-SS (Carr Inlet, east side of Cutts
Island): 5037D,F.
- 1-SS (Hale Pass, off Arletta to
Cromwell): 5046B.
- 23-SS (Carr Inlet, off Minter Creek
to Elgin): 5037H; 5045J; 5046C;
5101C; 5102C; 5104D,I,V,X; 5126F;
5133F,J; 5135A,C,D; 5201G,P;
5213F; 5227D,E,F,G,I.
- 10-SS (Carr Inlet, off Wauna):
5037I; 5045I; 5101A; 5104E,F,G,W;
5126L; 5227A,C.
- 1-SS (Carr Inlet, off north of Home
to off Horsehead Bay Spit):
5104R.
- 1-SS (Carr Inlet, southwest of Green
Point): 5104T.
- 2-SS (Oakland Bay, off Shelton):
5115B,C.
- 1-SS (Case Inlet, off Victor):
5126G.
- 3-SS (Totten Inlet, off Windy Point
to Steamboat Island):
5115D; 5201K; 5204I.
- 1-SS (Dana Pass., off Unsal Point):
5201J.
- 1-SS (Dana Pass., off Brisco Point
to Dofflemeyer Point): 5204H.
- 6-SS (Carr Inlet):
5522C; 5605B,D; 5703A,B,C.
- 2-SS (Case Inlet): 5613K,L.
- 5-SS (Eld Inlet, trap area, one mile
northeast of Flapjack Point):
6208A,B; 6217-2; 6219-1,2.
- 2-SS (Carr Inlet, Glen Cove to Green
Point): 6724E-2,3.
- 1-JF (off West Beach):
WSDF, Sport Fish., 1965-70.
- 1-E (Skagit and Similk Bays):
WSDF, Sport Fish., 1965-70.
- 7-E (Everett):
WSDF, Sport Fish., 1965-70.
- 1-AI (off Bush Point):
WSDF, Sport Fish., 1965-70.
- 3-SS: WSDF, Sport Fish., 1965-70.
- 10+-HC: WSDF, Sport Fish., 1968.
- 50+-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
- 50+-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
- 271-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
- 50+-S (Golden Gardens to Meadow
Point):
U.W. Ocean., Hoh, 1963-68.
- 50+-PO (south and north of Fletcher
Bay): U.W. Ocean., Hoh, 1963-67.
- 1-HC (Lynch Cove):
U.W. Ocean., Hoh, 1963-67.
- 21-E (Holmes Harbor):
U.W. Ocean., Hoh, 1963-67.
- 3-HC (Seabeck Bay):
U.W. Ocean., Hoh, 1963-67.
- 50+-SS (Case Inlet, off Taylor Bay
to off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
- 3-SS (Nisqually Flats):
U.W. Ocean., Hoh, 1963-67.
- 10+-SS (Carr Inlet, off Horsehead
Bay): U.W. Ocean., Hoh, 1963-67.
- 2-CS (Norma Beach):
U.W. Ocean., Hoh, 1963-68.
- 50+-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
- 18-E (Port Susan):
U.W. Ocean., Hoh, 1963-67.
- 16-E (Penn Cove):
U.W. Ocean., Hoh, 1963-67.
- 19-E (off Demock Point to Utsalady
Point):
U.W. Ocean., Hoh, 1963-67.
- 9-E (Saratoga Pass., Demock Point):
U.W. Ocean., Hoh, 1963-67.
- 8-E (Port Gardner Bay):
U.W. Ocean., Hoh, 1963-67.
- 2-CS (Skiff Point to Point
Jefferson): U.W. Ocean., herring
trawl, 1968-69.
- 2-SS (mouth of Carr Inlet): U.W.
Ocean., herring trawl, 1968-69.
- 1-PO (south of Fletcher Bay): U.W.
Ocean., herring trawl, 1968-69.
- 4-CS (Apple Cove Point):
U.W. Ocean., Hoh, S.J., 1966.
- 1-CS (Pilot Point):
U.W. Ocean., Hoh, S.J., 1966.
- 2-AI (Mutiny Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 1-AI (Admiralty Bay, off Greenbank):
U.W. Ocean., Hoh, S.J., 1966.
- 3-AI (Port Townsend Bay):
U.W. Ocean., Hoh, S.J., 1966.

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Miscellaneous Logs

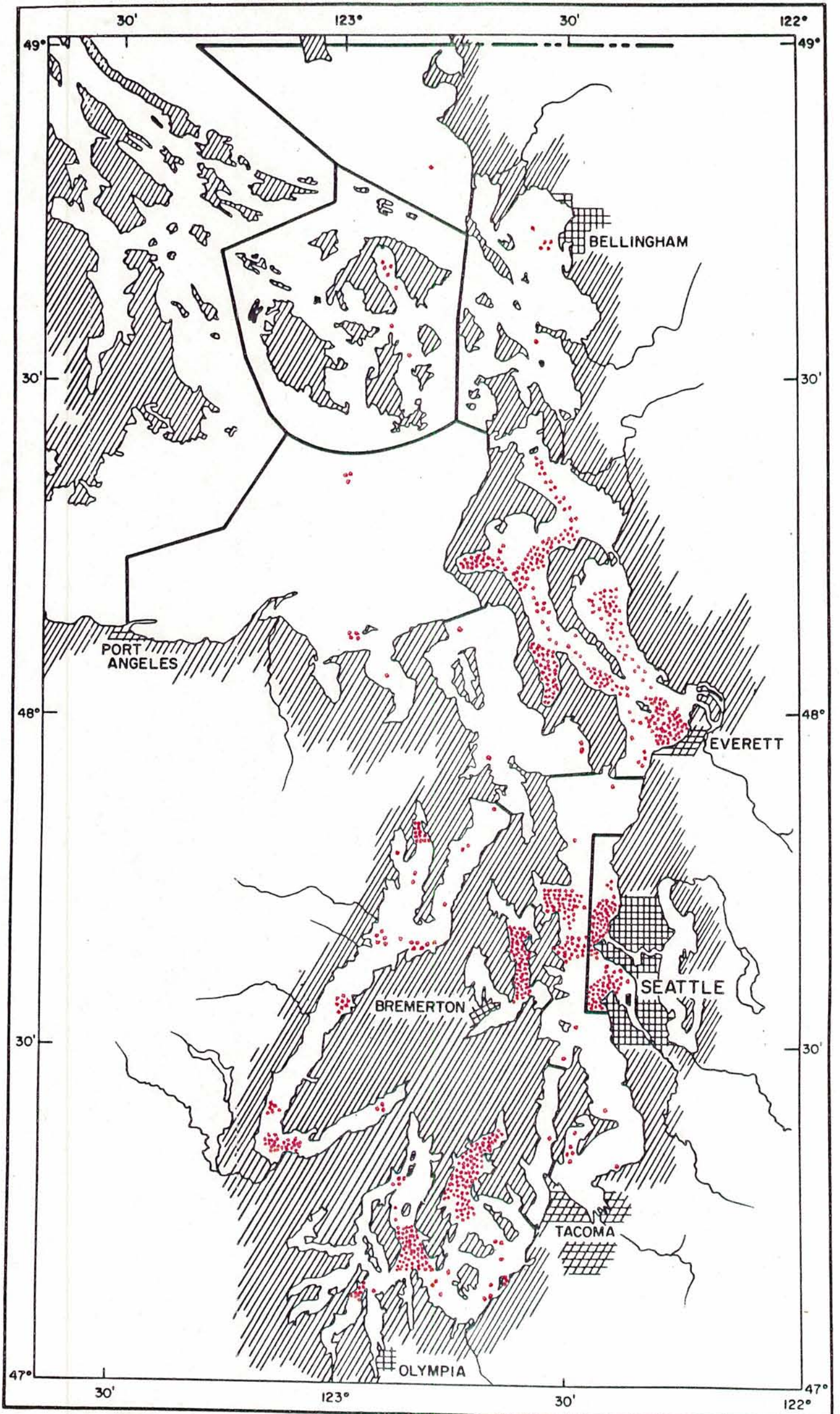
- 3-AI (Useless Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 3-JF (Discovery Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 6-E (Penn Cove):
U.W. Ocean., Hoh, S.J., 1966.
- 3-B (Padilla Bay near William Point;
Samish Bay; Bellingham Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 3-SJ (West Sound):
U.W. Ocean., Hoh, S.J., 1966.
- 3-SJ (East Sound):
U.W. Ocean., Hoh, S.J., 1966.
- 5-E (Utsalady):
U.W. Ocean., Hoh, S.J., 1966.
- 3-S (Port Susan):
U.W. Ocean., Hoh, S.J., 1966.
- 2-E (Port Gardner Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 4-E (Holmes Harbor):
U.W. Ocean., Hoh, S.J., 1966.
- 8-B (Bellingham Bay): WSDF,
groundfish trawl, through 1970.
- 4-JF (Discovery Bay): WSDF,
Commercial Catch Comp., 1966-71.
- 1-E (Holmes Harbor): WSDF,
Commercial Catch Comp., 1966-71.
- 1-E (Saratoga Pass.): WSDF,
Commercial Catch Comp., 1966-68.
- 1-B (west of Lummi Island): WSDF,
Commercial Catch Comp., 1969-70.
- 2-SS (Case Inlet): WSDF, Commercial
Catch Comp., 1969-70.
- 16-AI (east of Port Townsend):
NMFS, Cobb 35.
- 5-JF (west of Protection Island):
NMFS, Cobb 35.
- 2-JF (Discovery Bay; Protection
Island to Discovery Bay):
NMFS, Cobb 35.
- 2-PO (narrows south of Fletcher
Bay): NMFS, Cobb 68.
- 1-JF (off Dungeness Spit):
NMFS, Cobb 69-7.
- 1-E (Elger Bay):
NMFS, Cobb, 1/20/61.
- 20-SJ (East Sound, south of Rosario
Point): NIH, 1964-66.
- 3-SJ (East Sound): NIH, 1968-71.
- 4-B (Bellingham Bay, off Nooksack
River to Marine Drive):
NIH, 1968-71.
- 103-S (Golden Gardens to Carkeek
Park): NIH, 1968-71.
- 2-S (Duwamish Head to Alki Point):
NIH, 1968-71.
- 1-PO (off Fletcher Bay):
NIH, 1968-71.
- 2-PO (Clam Bay): NIH, 1968-71.
- 2-HC (Big Beef Harbor): NIH, 69042.
- 3-SS (Case Inlet, Stretch Island to
Herron Island; Henderson Inlet;
Budd Inlet): NIH, 1968-71.
- 27-CS (Port Madison):
Van Cleve, trap, 1961-65.
- 7-PO (off Fletcher Bay):
Van Cleve, trap, 1961-65.
- 1-S (off Edmonds):
Van Cleve, trap, 1961-65.
- 48-SS (entrance of Eld Inlet):
Van Cleve, trap, 1961-65.
- 2-E (Holmes Harbor):
Van Cleve, trap, 1961-65.
- 1-E (Penn Cove):
Van Cleve, trap, 1961-65.
- 1-JF (beach seine: Dungeness
embayment):
Peninsula College, 1971.
- 1-JF (beach seine: Port Angeles
embayment):
Peninsula College, 1971.
- 1-JF (Sequim Bay):
Battelle, 1967-69.
- 2-JF (lower Sequim Bay):
Sea Grant, 71110.
- 2-JF (upper Discovery Bay):
Sea Grant, 71111.
- 2-JF (lower Discovery Bay):
Sea Grant, 71111.
- 9-GS (tow area 1, mouth of Boundary
Bay):
WSDF, Gulf Georgia, 1969-71.
- 14-GS (tow area 2, off Birch Bay):
WSDF, Gulf Georgia, 1969-71.
- 8-GS (tow area 3, off Cherry Point):
WSDF, Gulf Georgia, 1969-71.
- 11-GS (tow area 4, off north of
Neptune Beach):
WSDF, Gulf Georgia, 1969-71.
- 8-GS (tow area 5, north of Alden
Bank):
WSDF, Gulf Georgia, 1969-71.
- 1-CS (off Skiff Point):
U.W. Ocean., Commando, 1968.
- 5-GS (tow area 6, southeast of Point
Roberts):
WSDF, Gulf Georgia, 1969-71.
- 2-GS (tow area 7, mid-channel):
WSDF, Gulf Georgia, 1969-71.
- 1-GS (tow area 8, mid-channel):
WSDF, Gulf Georgia, 1969-71.
- 1-GS (tow area 9, mid-channel):
WSDF, Gulf Georgia, 1969-71.
- 4-CS (Pully Point): Bruce Miller,
Diving Log, 9/13/64; 9/17/64;
3/17/67; 5/10/68.
- 1-S (Edmonds ferry): Bruce Miller,
Diving Log, 10/11/64.
- 1-SJ (southeast shore of East
Sound): Bruce Miller, Diving
Log, 8/18/66.
- 2-S (Alki Point): Bruce Miller,
Diving Log, 6/16/67; 5/17/68.
- 1-CS (Port Blakely): Bruce Miller,
Diving Log, 5/24/68.
- 1-CS (Vashon Island, Tramp Harbor,
Standard Oil docks): Bruce
Miller, Diving Log, 5/31/68.
- 1-PO (Fletcher Bay): Bruce Miller,
Diving Log, 6/25/69-2.

Lepidopsetta bilineata

Pleuronectidae

Miscellaneous Logs

- 1-CS (Picnic Point Beach): Bruce Miller, Diving Log, 10/2/70.
- 1-CS (Dumas Bay): Bruce Miller, Diving Log, 7/1/71.
- 4-JF (west of Protection Island): NMFS, Cobb, 2/28/73.
- 1-CS (south of Possession Point): NMFS, Cobb, 2/28/73.
- 1-S (south of Carkeek Park): Sea Grant, 3/17/71.
- 18-CP (beach seine: Gig Harbor Spit): Sea Grant, 72003 (also boat 7208).
- 7-CP (off Gig Harbor Spit): Sea Grant, 72003 (also boat 7208).
- 5-CP (in Gig Harbor): Sea Grant, 72003 (also boat 7208).
- 1-GS (beach seine: south of Cherry Point): Sea Grant, 72008.
- 1-B (north part of Bellingham Bay): Sea Grant, 72004.
- 3-AI (beach seine: Mutiny Bay, launch ramp): Sea Grant, 1972.
- 2-CS (beach seine: Seahurst County Park): Sea Grant, 72016.
- 1-JF (beach seine: West Beach): Sea Grant, 72017.
- 2-GS (south of Cherry Point): Sea Grant, 72019.
- 11-SS (off Nisqually River-McAllister Creek flats): Sea Grant, 1972.
- 14-S (beach seine: Golden Gardens): Sea Grant, 1973.
- 2-S (Duwamish River estuary, north of 1st Ave. S. bridge to 16th Ave. S. bridge): Sea Grant, 72024.
- 4-CP (off Gig Harbor Spit): Sea Grant, 72025.
- 3-HC (off Big Beef Harbor): Sea Grant, 72026.
- 2-HC (off Big Beef Harbor): Sea Grant, 72031.
- 2-B (Bellingham Bay, mid-channel, off Nooksack Flats): Sea Grant, 72035.
- 1-E (east and northeast of Gedney Island): NMFS, Streeter, 2/21/73.
- 38-S (beach seine: north side of West Point): Sea Grant, 1973.
- 5-S (beach seine: north of Meadowdale at Lunds Gulch): Sea Grant, 73002.
- 27-S (off northwest side of West Point): Sea Grant, 1973.
- 25-S (off southwest side of West Point): Sea Grant, 1973.
- 25-S (north of Meadow Point to Carkeek Park): Sea Grant, 1973.
- 25-S (southwest of Alki Point): Sea Grant, 1973.
- 5-S (deep otter trawl: off southwest of Alki Point): Sea Grant, 1973.
- 3-PO (off south of Fletcher Bay): Sea Grant, 73008.
- 3-S (Duwamish estuary, 1st Ave. S. bridge to 16th Ave. S. bridge): Sea Grant, 1973.
- 6-S (Duwamish estuary, downstream from 1st Ave. S. bridge): Sea Grant, 1973.
- 11-SS (off Nisqually River-McAllister Creek flats): Sea Grant, 1973.
- 3-SS (McAllister Creek estuary): Sea Grant, 1973.
- 5-HC (off southwest of Big Beef Harbor): Sea Grant, 1973.
- 1-B (Bellingham Bay, off Nooksack River flats): Sea Grant, 73032.
- 21-SS (McLane Cove toward Stretch Island): Sea Grant, 1973-74.
- 17-SS (west side of Dougall Point): Sea Grant, 1973-74.
- 11-SS (mid-channel, McLane Cove to Stretch Island): Sea Grant, 1973-74.
- 13-HC (off Union): Sea Grant, 1973-74.
- 2-HC (mid-channel, off Union): Sea Grant, 1973.
- 14-HC (off Skokomish Flats): Sea Grant, 1973-74.
- 1-HC (off Carlson Point to King Spit): Sea Grant, 73039.
- 5-AI (Mutiny Bay): Sea Grant, 73049.
- 6-HC (Bangor Annex): Kramer, Chin and Mayo, NCEL Survey, 1973.
- 1-CS (Port Madison): Doug Olander, Sport Catch Log, 1972-73.
- 7-S (wreck, north of Meadow Point): Doug Olander, Sport Catch Log, 1972-73.
- 5-SS (Tatsolo Point): Sea Grant, 73059.
- 6-SS (Cormorant Pass.): Sea Grant, 73059 and 73060.
- 1-CP (next to and around Gig Harbor Spit): Sea Grant, 72025.



Lyopsetta exilis

Pleuronectidae

Published Records

- 1-S (Seattle):
Jordan and Gilbert, 1882.
1-S (Seattle):
Evermann and Goldsborough, 1907.
1-AI (north of Tala Point):
Evermann and Goldsborough, 1907.
1-SJ: Starks, 1911.
4-E (Coupeville): Smith, 1936.
3-SS (Carr Inlet; McNeil Island;
Dofflemeyer Point): Smith, 1937.
6-E (Camano Head; Mukilteo; Columbia
Beach; Langley; Dines Point;
Camano): Smith, 1937.
3-E (Gedney Island): Smith, 1937.
5-HC (Hoodsport): Smith, 1937.
2-HC (Skokomish Flats; Seabeck):
Smith, 1937.
2-HC (Holly): Smith, 1937.
1-HC (Quilcene Bay):
Smith, 1937 (also museum 4278).
21-S (Duwamish Head): Salo, 1969.
13-E (Port Gardner Bay):
Salo, 1969.
20-E (Skagit Bay): Salo, 1969.
1-S (Seattle Harbor):
Townsend, 1935.
2-E (Saratoga Pass., Holmes Harbor):
Townsend, 1935.
1-CS (Dumas Bay): Miller, 1971b
(also NIH, 71105 and 71106).
3-HC (Anderson Cove): Chew, 1970.

University of Washington
Museum Collection

- 1-E (Utsalady): 865.
1-CS (Port Madison): 1432.
1-E (Saratoga Pass., Camano Head):
2543.
1-E (east of Gedney Island): 2569.
1-E (off Snohomish River): 2639.
1-E (Saratoga Pass., off Sandy
Point): 2659-1/2.
2-S (Seattle Harbor): 3687; 3791.
1-E (off Everett): 4544.
1-S (south of Richmond Beach):
5345.
1-SS (off Minter Creek):
5682 (also boat 7/19/49-1).
1-SS (west end of Nisqually Reach):
5820 (also boat 5009I).
1-CP (off Camp Sealh):
5822 (also boat 5009F).
1-E (off Mission Bar):
5870 (also boat 5023E).
1-E (Port Susan, off Warm Beach):
5922 (also boat 5023B).
1-HC (off Thorndike Bay): 7669.
1-SS (Carr Inlet): 10359.
2-S (off Golden Gardens):
14927 (also boat 492F); 8318
(also boat 5034E).
1-E (Port Susan, off Spee-Bi-Dah):
14978 (also boat 5023D).
1-PO (off Fletcher Bay): 17117.
1-SJ (East Sound): 17142.

- 1-E (Saratoga Pass.): 18059.
1-JF (west of McArthur Bank):
18389 (also Friday Harbor log,
7/18/63).

Friday Harbor Laboratory Log

- 1-SJ (Upright Head): 6/28/51-1.
1-SJ (Lopez Sound, Spencer Spit):
6/28/51-3.
1-B (Bellingham Bay): 7/26/51-2.
2-JF (west of McArthur Bank):
8/8/60; 7/8/69-1.
1-SJ (East Sound): 7/26/60.

University of Washington Boat Log

- 1-JF (Discovery Bay): 5318A.
1-GS (north of Alden Bank): 491G.
3-SJ (training cruise area: East
Sound, north of Rosario Point):
6620H; 6722H; 7307H.
3-B (training cruise area: southwest
of Post Point):
6815G; 6603G; 6630G.
1-B (Bellingham Bay): 6822G.
2-E (off Tulalip Bay): 7/1/49-1,2.
20-E (Holmes Harbor, off Rocky Point
to Dines Point): 491Q; 5220D,0;
5234A,C; 5237E; 5307C,D,K,L,Q,R,
S; 5312H,I; 5321R,S; 5327C,D,E.
2-E (Penn Cove mouth, off Long Point
to off Snatelum Point):
5213A; 5220E.
2-E (off Oak Harbor to Blower
Bluff (5220F,N).
2-E (north end of Saratoga Pass.):
5220M; 6821.5B.
1-E (near Penn Cove): 6822E.
11-E (Holmes Harbor, Dines Point to
Classic): 5234D; 5312F,G; 5316A,
B,C; 5405G,H; 5501D; 5712E,F.
27-E (Holmes Harbor, south of
Classic):
5234E,F; 5237B; 5305A,B,G; 5307E,
F,O,P,T,U; 5312B,C,D,E,N; 5316D,
E,M,N; 5321T; 5501A,C,E,F; 5810E.
44-E (Holmes Harbor):
5305E,F,H,I,J,K,L,M; 5325A,B,C;
5327A,B; 5405A,B,C,D,E,F; 5418A,
B,C,D; 5420A,B,H; 5522D; 5604D,F,
G; 56130,P,Q,R,S,T; 5614B,D,E,F,
G; 5703H; 5810A; 6821.5E.
4-E (Penn Cove, off Coupeville to
Lovejoy Point):
5316J; 5321A,H; 5418E.
5-E (Saratoga Pass., off Snatelum
Point to Onamac Point):
5316K,L; 5330F; 5418H; 5712C.
2-E (Penn Cove, off Lovejoy Point to
Long Point): 5321B,G.
1-E (off Utsalady Point): 5321C.
1-E: 5712B.
2-E (Saratoga Pass., off Snatelum
Point): 5321I,J.

Lyopsetta exilis

Pleuronectidae

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- 4-E (Saratoga Pass., Onamac Point to Indian Beach):
5321K; 5405L; 5418K,L.
- 17-E (Penn Cove): 5327F,G; 5405K;
5418F,G; 5420E,F,G; 5522F,G;
5613U,V,W,X; 5614I,J; 5712A.
- 1-E (Elger Bay): 5418I.
- 4-E (Saratoga Pass.):
6801.5; 6810B,C; 6821.5D.
- 2-E (Saratoga Pass., off North Bluff to Greenbank): 5418M,N.
- 3-E (off Mukilteo): 5604C,B; 5613N.
- 18-E (training cruise area: east of Gedney Island): 6512C; 6603C;
6614C; 6620C; 6630C; 6717C;
6722C; 6815C; 6819C; 6826C;
6908C; 6914C; 7010C; 7017C;
7118C; 7213C; 7307C; 7313C.
- 1-E (Everett): 6620D.
- 2-E (Port Susan): 6810A; 6821.5C.
- 17-E (training cruise Area; Saratoga Pass., north of Langley):
6507D8; 6512D; 6603D; 6614D;
6630D; 6717D; 6722D; 6815D;
6819D; 6826D; 6914D; 7010D;
7017D; 7110D; 7118D; 7213D;
7307D.
- 14-E (training cruise area: off Penn Cove): 6614E; 6620E; 6717E;
6815E; 6819E; 6826E; 6908E;
7010E; 7017E; 7110E; 7118E;
7213E; 7307E; 7313E.
- 3-E (Port Susan, off Kayak Point):
6702A,B,C.
- 2-E (south end of Saratoga Pass.):
6722X,Y.
- 1-E (Saratoga Pass., off Camano Head): 6822D.
- 1-HC (off Shine to off Sisters buoy): 499C.
- 1-HC (off south of Brinnon): 499D.
- 4-HC (off Pleasant Harbor):
499E; 6804E; 6902L; 7003J.
- 1-HC (opposite Hoodsport): 499F.
- 1-HC (off Union): 499H.
- 1-HC (off Thorndike Bay): 499J.
- 2-HC (Dabob Bay): 5921; 7102L.
- 1-HC (west of Seabeck Bay): 6902J.
- 15-HC (Dabob Bay, Broad Spit to Long Spit):
6601A; 6629D,E; 6702D,E,F; 6724A;
6804G,H; 6902C,H; 7202E,F,G,H.
- 3-HC (Anderson Cove): 7009A,B,D.
- 10-CS (Port Madison):
492A; 5006D; 5048B; 5122A,B;
5132D; 5812A; 5932A; 492B; 7011C.
- 6-CS (off Port Madison):
495A,B; 497B; 5006E; 5043B,C.
- 1-CS (northeast of Apple Cove Point): 5009A.
- 3-CS (mouth of Quartermaster Harbor): 5042A; 5104B; 5115H.
- 1-CS (mid Quartermaster Harbor):
5042D.
- 1-CS (Tramp Harbor): 5104A.
- 1-CS (east of Blake Island): 5115I.
- 2-CS (Port Madison, off Agate Pass): 5232A; 5317C.
- 5-CS (east of Point Monroe):
5805B,C; 5813A,B,C.
- 1-CS (off Fay Bainbridge State Park): 5806C.
- 1-CS (mid-channel, Meadow Point to Port Madison): 5911B.
- 3-CS (off Murden Cove):
6610B; 6710C2,D2.
- 19-CS (training cruise area: mid-channel, Skiff Point to West Point): 6507B8; 6603B; 6605B;
6606B; 6607B; 6611B; 6614B;
6620B; 6623B; 6626B; 6722B;
6815B; 6819B; 5914B; 7017B,Z;
7118B; 7213B; 7313B.
- 8-CS (Murden Cove):
6713H; 6806B; 6818A,B; 6819X;
6821.5G; 6823-3; 7008B; 7108.
- 1-CS (off West Point): 7017Y.
- 2-CS (Vashon Island, off Sylvan Beach): 6703A,B.
- 1-CS (Vashon Island, east of Neill Point): 6703C.
- 7-PO (off south of Fletcher Bay):
5229A,C; 5413C,D,E; 5801A;
6016B4.
- 35-PO (off Fletcher Bay to south of Battle Point and Brownsville):
5228F; 5230F; 5232C; 5235P;
5236E; 5310.5G; 5317A,B; 5323A;
5523A; 5602A; 5615A; 5707B,G,H;
5709C; 5809A; 5919A; 5922A;
5923B; 5932B; 6001AN; 6008B;
6016B1,B2,B3,B5; 6205D1,D2,D3;
6307; 6320A; 6427B,C; 6707.
- 8-PO (most off Fletcher Bay):
6002A; 6203C; 6204A; 6214; 6713F;
6821.5F; 7313X; 7011A.
- 1-PO ("B-2" to "B-1"): 6205C2.
- 1-PO (Brownsville to White Point):
6806A.
- 56-S (off Golden Gardens to Meadow Point): 491A; 492D; 493B; 494D,
E,F; 496B; 497E; 498B; 4910A;
5003A; 5008C; 5009L; 5017C,E;
5028A,B,C; 5029A,B,E; 5033A;
5034C,D,G; 5039A,D; 5041A; 5110C,
D; 5112A,B,C; 5119C,G; 5126A;
5127A; 5129A,C,D; 5131C; 5314A,C;
5329C; 5408B; 5416B; 5516B;
5707J,K; 5713G; 5920E; 6018A;
6114A; 6311A,E,F.
- 24-S (off Meadow Point to Carkeek Park): 5020A; 5039B,C; 5041B;
5044A; 5110A; 5119A,B; 5203A,B;
5211B,C; 5212C,E,F; 5216A; 5606A;
5915C,D; 6414C,D; 6510B; 7120A,B.
- 5-S (Alki Point to Duwamish Head):
5027A,B; 5603A; 5702AM; 6001AO.
- 1-S (off Four-Mile Rock to Pier 91):
5027C.
- 1-S (south of West Point to off Four-Mile Rock): 5027D.

Lyopsetta exilis

Pleuronectidae

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- 4-S (beach seine: Golden Gardens to Meadow Point):
5047C; 6417; 6518A,B.
- 1-S (north of Meadow Point): 6406A.
- 1-S (north of Carkeek Park): 6414E.
- 2-S (Carkeek Park to Richmond Beach): 6719A,D.
- 2-S (off West Point sewer outfall):
6718-2,3.
- 1-SS (Drayton Pass.): 7/19/49-2.
- 2-SS (northwest end of Nisqually Reach): 7/20/49-5; 5126J.
- 28-SS (Carr Inlet, off Glen Cove to off Cutts and Raft Islands):
5009J; 5037C; 5045K; 5101B,E,F;
5102A,B; 5104J,K,L,M,P,Q,Y,Z,AA;
5115F; 5126C,M; 5204M; 5227B;
5613A,C,D,E,F,G.
- 3-SS (Carr Inlet, southwest of Green Point): 5037E; 5104S,T.
- 20-SS (Carr Inlet, off Minter Creek to Elgin):
5037H; 5045G,J; 5046C; 5101C;
5102C; 5104D,V,X; 5126D,F; 5135A,
B,C,D; 5213F; 5227D,F,G,I.
- 6-SS (Carr Inlet, off Wauna):
5037I; 5104E,F,W; 5126L; 5227A.
- 2-SS (mouth of Carr Inlet, Gibson Point to Gertrude Island):
5046D; 5104C.
- 1-SS (Carr Inlet, off north of Home to off Horsehead Bay spit):
5104R.
- 1-SS (Case Inlet, off west of Herron Island): 5126H.
- 1-SS (west of Ketron Island):
5126K.
- 4-SS (Carr Inlet):
5522A,C; 5605B; 5703D.
- 1-SS (Case Inlet): 5613J.
- 2-SS (Carr Inlet, Glen Cove to Green Point): 6724B-1,3.
- 1-SS (Case Inlet, east of Hartstene Island): 6724C.
- 10+-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
- 50+-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
- 17-E (Port Gardner Bay):
U.W. Ocean., Hoh, 1963-67.
- 30-E (Port Susan):
U.W. Ocean., Hoh, 1963-67.
- 6-E (Penn Cove):
U.W. Ocean., Hoh, 1963-67.
- 13-E (Saratoga Pass., off Demock Point):
U.W. Ocean., Hoh, 1963-67.
- 4-E (off Demock Point to Utsalady Point):
U.W. Ocean., Hoh, 1963-67.
- 16-E (Holmes Harbor):
U.W. Ocean., Hoh, 1963-67.
- 2-CS (Skiff Point to Point Jefferson): U.W. Ocean., herring trawl, 1968-69.
- 12-SS (mouth of Carr Inlet): U.W. Ocean., herring trawl, 1968-69.
- 5-E (Port Susan): U.W. Ocean., herring trawl, 1968-69.
- 1-PO (south of Fletcher Bay): U.W. Ocean., herring trawl, 1968-69.
- 2-AI (Useless Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 1-B (Padilla Bay, near William Point):
U.W. Ocean., Hoh, S.J., 1966.
- 4-E (Penn Cove):
U.W. Ocean., Hoh, S.J., 1966.
- 2-E (Utsalady):
U.W. Ocean., Hoh, S.J., 1966.
- 3-E (Port Susan):
U.W. Ocean., Hoh, S.J., 1966.
- 2-E (Port Gardner Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 4-E (Holmes Harbor):
U.W. Ocean., Hoh, S.J., 1966.
- 1-E (Holmes Harbor): WSDF, groundfish trawl, through 1970.
- 1-E (Holmes Harbor): WSDF, Commercial Catch Comp., 1969-70.
- 1-AI (east of Port Townsend):
NMFS, Cobb 35.
- 2-E (Saratoga Pass.; Holmes Harbor):
NMFS, Cobb 68.
- 3-PO (narrows south of Fletcher Bay): NMFS, Cobb 68.
- 3-E (Everett Harbor):
NMFS, Cobb, 1/20/61.
- 1-E (Saratoga Pass.):
NMFS, Cobb, 1/20/61.
- 2-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
- 71-CS (Port Madison):
Van Cleve, trap, 1961-65.
- 9-SS (entrance to Eld Inlet):
Van Cleve, trap, 1961-65.
- 2-E (Holmes Harbor; Penn Cove):
Van Cleve, trap, 1961-65.
- 3-E (Holmes Harbor):
Van Cleve, trap, 1961-65.

Miscellaneous Logs

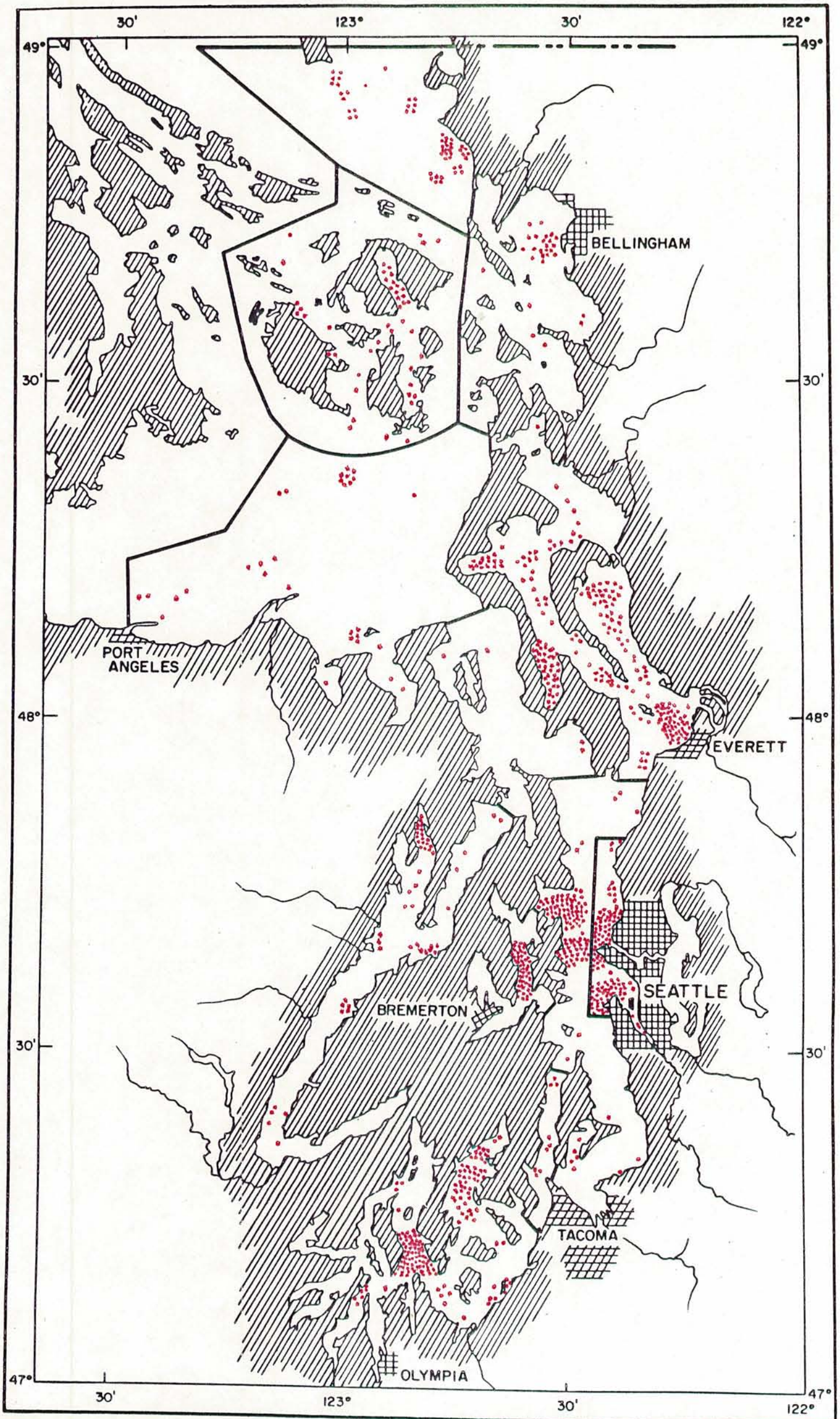
- 50+-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
- 50+-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
- 70-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
- 22-S (Golden Gardens to Meadow Point):
U.W. Ocean., Hoh, 1963-68.
- 43-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
- 3-HC (Lynch Cove):
U.W. Ocean., Hoh, 1963-67.
- 3-HC (Seabeck):
U.W. Ocean., Hoh, 1963-67.
- 50+-SS (Case Inlet, off Taylor Bay to off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.

Lyopsetta exilis

Pleuronectidae

Miscellaneous Logs

- 8-E (Saratoga Pass., west side just south of Penn Cove):
Van Cleve, trap, 1961-65.
- 4-JF (west of Protection Island):
NMFS, Cobb, 2/28/73.
- 1-CS (south of Possession Point):
NMFS, Cobb, 2/28/73.
- 2-HC (off Big Beef Harbor):
Sea Grant, 1972.
- 1-E (east and northeast of Gedney Island):
NMFS, Streeter, 2/21/73.
- 4-S (beach seine: north side of West Point): Sea Grant, 1973.
- 7-S (off northwest side of West Point): Sea Grant, 1973.
- 3-S (off southwest side of West Point): Sea Grant, 1973.
- 1-S (deep otter trawl: off West Point): Sea Grant, 1973.
- 4-S (southwest of Alki Point):
Sea Grant, 1973.
- 14-S (deep otter trawl: off southwest of Alki Point):
Sea Grant, 1973.
- 4-PO (off south of Fletcher Bay):
Sea Grant, 73008.
- 1-HC (off southwest of Big Beef Harbor): Sea Grant, 1973.
- 4-SS (mid-channel, McLane Cove to Stretch Island):
Sea Grant, 1973-74.
- 6-HC (off Union): Sea Grant, 1973.
- 9-HC (mid-channel, off Union):
Sea Grant, 1973.
- 2-HC (off Skokomish Flats):
Sea Grant, 1973.
- 12-HC (mid-channel, off Skokomish Delta): Sea Grant, 1973-74.
- 1-HC (off Carlson Point to King Spit): Sea Grant, 73039.
- 3-SS (Cormorant Pass.):
Sea Grant, 73059 and 73060.
- 2-SS (Tatsolo Point):
Sea Grant, 73059.



Microstomus pacificus

Pleuronectidae

Published Records

- 1-JF (Dungeness): Tanner, 1894.
 1-SJ (San Juan Channel):
 Schultz, 1930.
 1-SJ: Starks, 1911.
 1-SJ: Norman, 1934.
 1-SJ: Shelford et al., 1935.
 1-S (Seattle):
 Jordan and Gilbert, 1882.
 1-GS: Smith, 1936.
 2-E (Coupeville): Smith, 1936.
 1-JF (Sequim Bay): Smith, 1936.
 1-JF (Discovery Bay):
 Smith, 1936 (also museum 3873).
 2-B (Bellingham Bay): Smith, 1936.
 1-E (Camano Head): Smith, 1937.
 1-E (Mukilteo):
 Smith, 1937 (also museum 4538).
 4-E (Gedney Island): Smith, 1937.
 2-HC (Hoodsport): Smith, 1937.
 2-JF (mid-channel, north and
 northwest of Dungeness Spit):
 Greenwood, 1957 (also NMFS Cobb
 25):
 2-E (Skagit and Similk Bays):
 Stober and Salo, 1970b.
 36-S (Duwamish Head): Salo, 1969.
 15-E (Port Gardner Bay):
 Salo, 1969.
 3-E (Skagit Bay): Salo, 1969.
 1-S (Seattle Harbor):
 Townsend, 1935.
 2-E (Saratoga Pass; Holmes Harbor):
 Townsend, 1935.
 1-CS (Dumas Bay): Miller, 1971b
 (also NIH 71105 and 71106).
 2-HC (Anderson Cove): Chew, 1970.

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- 1-E (Utsalady): 694.
 1-SJ (San Juan Channel): 1329.
 2-SJ (Friday Harbor): 2102; 5121.
 1-SJ (Rocky Bay): 2151.
 1-SJ (Rocky Point; San Juan Island):
 2215.
 1-E (Saratoga Pass., Camano Head):
 2544.
 1-E (east of Gedney Island): 2570.
 1-E (off Snohomish River): 2624.
 1-E (Saratoga Pass., Sandy Point):
 2658.
 1-S (Elliott Bay): 2909.
 1-E (Holmes Harbor): 3060.
 2-E (off Tulalip): 3669; 10365.
 1-JF (Ediz Hook): 4867.
 1-E (Saratoga Pass.): 4990.
 1-E (Everett): 5120.
 1-SJ (west of Ram Island):
 5699 (also boat 491P).
 1-S (off Golden Gardens):
 5849 (also boat 493B).
 1-HC (off Pleasant Harbor):
 14841 (also boat 499E).

- 1-SJ (East Sound): 17078 (also
 Friday Harbor log, 6/20/63).
 2-SJ (East Sound, south of Rosario
 Point): 18666 (also NIH, 1964-
 66); 19565 (also NIH, 1964-66).
 2-JF (west of McArthur Bank):
 17690 (also Friday Harbor log,
 7/18/63-1); 17870 (also Friday
 Harbor log, 7/19/63-1).

Friday Harbor Laboratory Log

- 1-SJ (Upright Head): 6/28/51-1.
 1-SJ (off Rocky Bay): 6/30/51-1.
 6-SJ (west of McArthur Bank):
 7/12/51-1; 7/7/52-1; 7/9/52-1
 (also boat log 5220G); 8/8/60;
 8/3/55-1 (also boat 5520A);
 7/8/69-1.
 1-B (Bellingham Bay): 7/26/51-2.
 1-SJ (Lopez Sound and East Sound):
 7/1/54.
 1-SJ (Salmon Banks): 7/7/52-3.
 1-SJ (east of Willow Island):
 7/28/52-1.
 1-SJ (southeast of Cattle Point):
 8/3/55-2 (also boat 5520B).
 1-JF (off Hein Bank): 8/3/55-3.
 1-SJ (off Iceberg Point):
 8/4/55-1 (also boat 5520C).
 1-SJ (lower East Sound): 8/22/55-5.
 1-SJ (Mineral Point): 8/25/55-3.
 1-SJ (off northwest of Barnes
 Island):
 6/20/50-3 (also boat 5033J).
 1-SJ (Upright Head to Olga):
 8/1/60-2.
 1-JF (Smith Island): 8/6/60-2.
 1-JF or SJ (Cattle Point to Smith
 Island): 6/28/61-1.
 2-SJ (Upright Channel):
 7/14/61; 7/2/69-2.
 2-SJ (Lopez Sound):
 7/28/61; 7/8/69-2.
 1-SJ (south of Lopez Island):
 6/27/63.
 2-SJ (mid East Sound):
 2/21/64; 6/20/69-1.
 1-SJ (west of Neck Point): 7/31/69.
 1-SJ (north of Hunter Bay):
 6/19/50-5 (also boat 5033G).
 1-SJ (lower East Sound): 6/26/73-1.
 1-SJ (Upright Head to Foster Point):
 6/26/73-2.

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- 1-JF (Discovery Bay): 5318A.
 1-GS (north of Alden Bank): 491G.
 1-SJ (Puffin Island to Orcas
 Island): 491E.
 1-SJ (off Raccoon Point toward
 Barnes Island): 491F.
 1-SJ (Skipjack Island to Turn
 Island): 491C.

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- 1-SJ (off Johns Island): 491B.
 1-B (Bellingham Bay): 6822G.
 1-B (Hale Pass.): 491I.
 1-B (east of Point Frances): 491J.
 1-SJ (training cruise area: East Sound, north of Rosario Point): 6507H.
 1-SJ (training cruise area: Lopez Sound, southwest of Center Island): 7017I.
 1-B (east of Vendovi Island): 491K.
 12-B (training cruise area: southwest of Post Point): 6620G; 6815G; 6908G; 6603G; 6614G; 6630G; 6819G; 6826G; 6914G; 7017G.1; 7118G; 7313G.
 2-E (off Tulalip Bay): 7/1/49-1,2.
 11-E (Holmes Harbor, off Rocky Point to Dines Point): 491Q; 5220D,O; 5234A,C; 5307K,R,S; 5312H,I; 5327C.
 1-E (Port Susan, off Spee-Bi-Dah): 5023D.
 2-E (off Mission Beach): 5023E; 7204C.
 1-E (Penn Cove mouth, off Long Point to Snatelum Point): 5213A.
 1-E (north end of Saratoga Pass.): 5220M.
 1-E (off Oak Harbor to Blower Bluff): 5220N.
 17-E (Holmes Harbor, south of Classic): 5237A,B; 5307E,F,P; 5312B,C,D,E,N; 5316D,E,M,N; 5321V; 5501E,F.
 25-E (Holmes Harbor): 5305J,K; 5325A,C; 5405C,E,F; 5418A,B,C; 5420A,H; 5522D; 5604F,G; 56130,Q,R,S; 5614D,E,F; 5703E,G; 5810A.
 3-E (Penn Cove, off Coupeville to off Lovejoy Point): 5316J; 5321A; 5418E.
 8-E (Holmes Harbor, Dines Point to Classic): 5312F,G; 5316A,C; 5405G; 5501D; 5712E,F.
 3-E (Saratoga Pass., off Snatelum Point to off Onamac Point): 5316L; 5330F; 5418H.
 2-E (off Utsalady Point): 5321D,E.
 2-E (Elger Bay): 5321M; 5418I.
 1-E (Saratoga Pass., off Saratoga to Langley): 53200.
 5-E (Saratoga Pass., off Onamac Point to Indain Beach): 5330D; 5405L,N; 5418K,L.
 6-E (Penn Cove): 5420G; 5522F,G; 5613U,W; 5614J.
 5-E (off Mukilteo): 5604A,B,C; 5613M,N.
 18-E (training cruise area: east of Gedney Island): 6507C8; 6512C; 6517C; 6614C; 6620C; 6630C; 6722C; 6815C; 6819C; 6908C; 6914C; 7010C; 7017C; 7110C; 7118C; 7213C; 7307C; 7313C.
 5-E (training cruise area: off Penn Cove): 6819E; 6826E; 6908E; 7213E; 7313E.
 10-E (training cruise area: Saratoga Pass., north of Langley): 6507D8; 6512D; 6614D; 6722D; 6815D; 6826D; 6914D; 7110D; 7213D; 7307D.
 1-E (Saratoga Pass.): 6821.5D.
 1-E (Saratoga Pass., off Camano Head): 6822D.
 2-E Port Susan, off Kayak Point): 6702A,B.
 1-E (Everett): 6620D.
 1-AI (training cruise area: east of north end of Marrowstone Island): 6603J.
 1-HC (off Shine to off Sisters buoy): 499C.
 1-HC (off south of Brinnon): 499D.
 1-HC (opposite Hoodspout): 499F.
 1-HC (off Thorndike Bay): 499J.
 5-HC (Dabob Bay): 5903B; 5921; 7102C,G; 7205I.
 1-HC (mid-channel, Hoodspout to Potlatch): 6804D.
 1-HC (off Pleasant Harbor): 7003J.
 23-HC (Dabob Bay, Broad Spit to Long Spit): 6503A,B,D,F; 6601C,D; 6629; 6702D,E,F; 6804A,B,G; 6807A,B; 6828A,B; 6902A,B,E,F; 7003D; 7303F.
 3-HC (Anderson Cove): 7009B,D,A.
 1-HC (opposite Vinland): 7112C.
 1-HC (south of floating bridge): 7112D.
 13-CS (Port Madison): 1/22/49-2,3; 492A,B; 5006D; 5043A; 5048B; 5122A,B; 5132D; 5924A; 5932A; 7011C.
 7-CS (off Port Madison): 495A,B; 497A,B; 5006E; 5043B,C.
 1-CS (northeast of Apple Cove Point): 5009A.
 3-CS (mouth of Quartermaster Harbor): 5042A; 5104B; 5115H.
 1-CS (mid Quartermaster Harbor): 5042C.
 1-CS (Tramp Harbor): 5104A.
 1-CS (off Point Jefferson): 5112D.
 1-CS (east of Blake Island): 5115I.
 1-CS (off West Point): 5115J.
 3-CS (Port Madison, off Agate Pass.): 5310.2F; 5317C; 6003B.
 5-CS (mid-channel, Meadow Point to Port Madison): 5314B; 5516A; 5608A; 5709B; 5911B.
 1-CS (west of Point Monroe): 5315D.
 5-CS (east of Point Monroe): 5805B,C; 5813A,B,C.
 1-CS (off Fay Bainbridge State Park): 5806C.
 26-CS (training cruise area: mid-channel, Skiff Point to West Point): 6507B8; 6512B; 6603B;

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- 6605B; 6606B; 6607B; 6611B;
6614B; 6620B; 6623B; 6626B;
6627B; 6628B; 6722B; 6815B;
6819B; 6908B; 6914B; 7017B,Z;
7110B; 7118B; 7213B; 7307B;
7308B; 7313B.
- 1-CS (Vashon Island, off Sylvan Beach): 6703A.
- 1-CS (Vashon Island, east of Neill Point): 6703C.
- 1-CS (trap area, Port Madison): 6213.
- 2-CS (off Murden Cove):
6610B; 6710C2.
- 17-CS (Murden Cove):
6610C; 6613C; 6713G,H; 6809A;
6818A,B; 6819X; 6821.5G,H; 6906E;
6912; 7008B; 7016C,H; 2-7108.
- 22-PO (off Fletcher Bay to south of Battle Point and Brownsville):
5228F; 5230F; 5232C; 5236E;
5301B; 5302BB; 5317A,B; 5323A;
5402X; 5421; 5707B,G,H; 5709C;
5809A; 5907A; 5931B; 6016B1,B2;
6320A; 6707.
- 4-PO (off south of Fletcher Bay):
5229D; 5413C; 5711C; 6016B4.
- 12-PO (most off Fletcher Bay):
5306B; 6916D,H; 7011A,B; 7020;
7104-1; 7105-2; 7107A,B; 7206;
7313X.
- 1-PO ("B-2" to "B-1"): 5236F.
- 23-S (off Meadow Point to Carkeek Park): 5020A; 5039B,C,E; 5041B;
5044A; 5110A; 5119A,B; 5203A;
5211C; 5212C,D,E,F; 5216A,B;
5606A; 5915C,D; 6414C,D; 6510B.
- 75-S (off Golden Gardens to Meadow Point): 4/16/49-2,4; 491A; 492D;
494C,D,E,F; 496B; 497E; 498B;
4910A; 5003A; 5008C; 5009L;
5014C; 5017B,C,E; 5028A,B,C;
5029A,B,E; 5033A; 5034D,E,G;
5039A,D; 5041A; 5110C,D; 5112A,B,
C; 5119C,G,H; 5126A; 5127A,B;
5129C,D; 5131C; 5203D; 5233D;
5314A,C; 5329C; 5408B; 5416B;
5512E,G; 5516C; 5702AN; 5707J,K;
5713G; 5920B,E,F; 6005B,C; 6018A;
6112B; 6114A,B; 493B; 494CD;
6311A,D,E,F.
- 18-S (beach seine: Golden Gardens to Meadow Point): 5001; 5007D;
5040A; 5047A,B,C; 5209C,D; 5214B;
5612A; 5925B; 6310; 6311B; 6518A,
B; 6708A; 6711A2; 6716A.
- 5-S (off Alki Point to Duwamish Head):
5027A,B; 5603A; 5616D; 5802JJ.
- 1-S (off Four-Mile Rock to Pier 91):
5027C.
- 1-S (off West Point to off Four-Mile Rock): 5027D.
- 2-S (off north of Carkeek Park):
6206C; 6414E.
- 1-S (beach seine: north side of West Point): 7310A4.
- 1-S (Meadow Point to Richmond Beach): 6429B.
- 4-S (off West Point sewer outfall):
6718-2,3,5,6.
- 3-S (Carkeek Park to Richmond Beach): 6719A,C,D.
- 1-S (one mile southwest of West Point): 6806C.
- 1-S (off Piper Creek): 6510D.
- 1-CP (off south of Sandford Point):
7/18/49-1.
- 2-CP (off Camp Sealath): 5104CC,DD.
- 1-CP (off Paradise Cove to Point Sandford): 5126N.
- 1-CP (Cove to Fragaria): 5135E.
- 1-CP (west side south of Command Point): 5133P.
- 1-CP (off Cove): 5133Q.
- 1-SS (off McLane Cove to Stretch Island): 7/20/49-3.
- 11-SS (Carr Inlet, off Minter Creek to Elgin):
7/19/49-1; 5037H; 5045G,J; 5104D,
V; 5126F; 5201G; 5227D,F,I.
- 5-SS (northwest end of Nisqually Reach): 7/20/49-5; 5009I; 5126J;
5201C; 5204F.
- 1-SS (north end of Pickering Pass., to off McLane Cove): 5009H.
- 2-SS (Carr Inlet, southwest of Green Point): 5037A; 5104T.
- 18-SS (Carr Inlet, off Glenn Cove to off Raft and Cutts Islands):
5045A; 5037C; 5045K; 5101E,F;
5102A,B; 5104O,P,Q,Z; 5115F;
5126C,M; 5201A; 5204E; 5213D;
5613A.
- 2-SS (mouth of Carr Inlet, Gibson Point to Gertrude Island):
5046D; 5104C.
- 2-SS (Carr Inlet, off Wauna):
5104G,W.
- 1-SS (Case Inlet, west of Herron Island): 5126H.
- 1-SS (west of Ketron Island):
5126K.
- 1-SS (Dana Pass., Brisco Point to Dofflemeyer Point): 5204H.
- 1-SS (Carr Inlet): 5605A.
- 1-E (Port Susan, north of Kayak Point to Tulalip): 7112.

Miscellaneous Logs

- 50+-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
- 50+-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
- 1-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
- 50+-S (Golden Gardens to Meadow Point):
U.W. Ocean., Hoh, 1963-68.

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Miscellaneous Logs

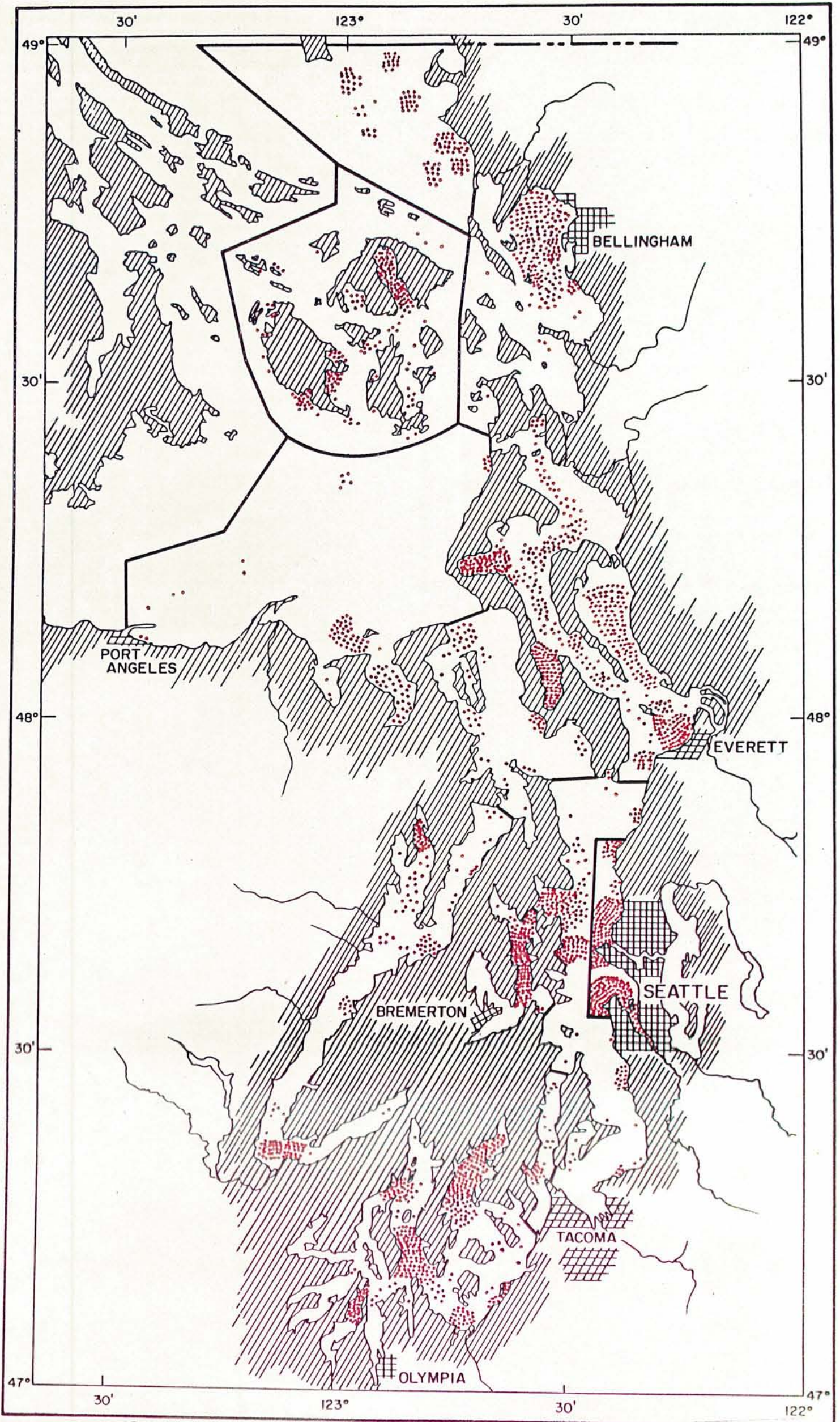
- 2-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
- 3-HC (Seabeck):
U.W. Ocean., Hoh, 1963-67.
- 45+-SS (Case Inlet, off Taylor Bay to off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
- 11-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
- 50+-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
- 1-CS (Norma Beach):
U.W. Ocean., Hoh, 1963-68.
- 46-E (Port Gardner Bay):
U.W. Ocean., Hoh, 1963-67.
- 27-E (Port Susan):
U.W. Ocean., Hoh, 1963-67.
- 3-E (Penn Cove):
U.W. Ocean., Hoh, 1963-67.
- 4-E (off Demock Point to Utsalady Point):
U.W. Ocean., Hoh, 1963-67.
- 11-E (Holmes Harbor):
U.W. Ocean., Hoh, 1963-67.
- 3-CS (Skiff Point to Point Jefferson): U.W. Ocean., herring trawl, 1968-69.
- 5-SS (mouth of Carr Inlet): U.W. Ocean., herring trawl, 1968-69.
- 1-E (Port Susan): U.W. Ocean., herring trawl, 1968-69.
- 1-PO (south of Fletcher Bay): U.W. Ocean., herring trawl, 1968-69.
- 1-CS (Apple Cove Point):
U.W. Ocean., Hoh, S.J., 1966.
- 2-AI (Useless Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 1-AI (Port Townsend Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 2-B (Samish Bay):
U.S. Ocean., Hoh, S.J., 1966.
- 2-B (Padilla Bay near William Point; Bellingham Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 2-E (Penn Cove; Port Susan):
U.W. Ocean., Hoh, S.J., 1966.
- 2-E (Port Gardner Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 1-E (Holmes Harbor):
U.W. Ocean., Hoh, S.J., 1966.
- 1-JF (Protection Island): WSDF, groundfish trawl, through 1970.
- 1-E (Port Susan, off Camano Head):
WSDF, groundfish trawl, through 1970.
- 2-E (Everett Bay): WSDF, groundfish trawl, through 1970.
- 3-S (Edmonds): WSDF, groundfish trawl, through 1970.
- 1-CS (Possession Point): WSDF, groundfish trawl, through 1970.
- 1-E (Saratoga Pass.): WSDF, Commercial Catch Comp., 1966-68.
- 1-B (west of Lummi Island): WSDF, Commercial Catch Comp., 1966-71.
- 1-SS (Case Inlet): WSDF, Commercial Catch Comp., 1969-70.
- 2-JF (mid-channel, north of Dungeness Spit): NMFS, Cobb 25.
- 1-JF (Protection Island to Discovery Bay): NMFS, Cobb 35.
- 1-CS (Poverty Bay): NMFS, Cobb 68.
- 2-JF (mid-channel, north of Morse Creek): NMFS, Cobb 90.
- 1-JF (west of Hein Bank):
NMFS, Cobb 90.
- 2-E (north end of Saratoga Pass.):
NMFS, Cobb 91.
- 2-E (Everett Harbor):
NMFS, Cobb, 1/20/61.
- 1-E (Elger Bay):
NMFS, Cobb, 1/20/61.
- 9-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
- 3-B (Bellingham Bay, Marine Drive to off mouth of Nooksack River):
NIH, 1968-71.
- 1-PO (off Fletcher Bay):
NIH, 1968-71.
- 7-S (Golden Gardens to Meadow Point): NIH, 1968-71.
- 1-HC (Big Beef Harbor): NIH, 69042.
- 17-CS (Port Madison):
Van Cleve, trap, 1961-65.
- 6-SS (entrance to Eld Inlet):
Van Cleve, trap, 1961-65.
- 1-E (Holmes Harbor):
Van Cleve, trap, 1961-65.
- 2-JF (mid-channel, north of Ediz Hook): NMFS, Cobb 25.
- 1-GS (tow area 1, mouth of Boundary Bay):
WSDF, Gulf Georgia, 1969-71.
- 6-GS (tow area 2, off Birch Bay):
WSDF, Gulf Georgia, 1969-71.
- 16-GS (tow area 3, off Cherry Point):
WSDF, Gulf Georgia, 1969-71.
- 4-GS (tow area 4, off north of Neptune Beach):
WSDF, Gulf Georgia, 1969-71.
- 5-GS (north of Alden Bank, area 5):
WSDF, Gulf Georgia, 1969-71.
- 8-GS (tow area 6, southeast of Point Roberts):
WSDF, Gulf Georgia, 1969-71.
- 4-GS (tow area 7: mid-channel):
WSDF, Gulf Georgia, 1969-71.
- 3-GS (tow area 8: mid-channel):
WSDF, Gulf Georgia, 1969-71.
- 3-GS (tow area 9: mid-channel):
WSDF, Gulf Georgia, 1969-71.
- 4-JF (west of Protection Island):
NMFS, Cobb, 2/28/73.
- 1-CS (south of Possession Point):
NMFS, Cobb, 2/28/73.
- 6-GS (south of Cherry Point):
Sea Grant, 1972.
- 1-S (Duwamish River estuary, north of 1st Ave. S. bridge to 16th Ave. S. bridge):
Sea Grant, 72024.

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Miscellaneous Logs

- 4-S (beach seine: Golden Gardens):
Sea Grant, 1972.
- 3-HC (off Big Beef Harbor):
Sea Grant, 72031 and 72026.
- 1-E (east and northeast of Gedney
Island):
NMFS, Streeter, 2/21/73.
- 5-S (beach seine): north side of
West Point): Sea Grant, 1973.
- 14-S (off northwest side of West
Point): Sea Grant, 1973.
- 10-S (off southwest side of West
Point): Sea Grant, 1973.
- 14-S (deep otter trawl: off West
Point): Sea Grant, 1973.
- 1-S (north of Meadow Point to
Carkeek Park): Sea Grant, 1973.
- 9-S (southwest of Alki Point):
Sea Grant, 1973.
- 15-S (deep otter trawl: off
southwest of Alki Point):
Sea Grant, 1973.
- 6-PO (off south of Fletcher Bay):
Sea Grant, 73008.
- 2-S (Duwamish River estuary, 1st
Ave. S. to 16th Ave. S. bridge):
Sea Grant, 1973.
- 1-S (Duwamish River estuary,
downstream from 1st Ave. S.
bridge): Sea Grant, 1973.
- 1-HC (off southwest of Big Beef
Harbor): Sea Grant, 1973.
- 1-SS (mid-channel, McLane Cove to
Stretch Island):
Sea Grant, 1973.
- 1-HC (mid-channel, off Skokomish
River delta): Sea Grant, 1973.
- 1-HC (off Carlson Point to King
Spit): Sea Grant, 73039.
- 4-SS (Cormorant Pass):
Sea Grant, 73059 and 73060.
- 3-SS (Tatsolo Point):
Sea Grant, 73059.
- 1-SS (Nisqually Reach):
A.C. DeLacy, personal
communication, 1956.
- 1-SJ (East Sound): A.C. DeLacy,
personal communication, 1969.
- 2-CS (off Skiff Point):
U.W. Ocean., Commando, 1968.
- 1-SJ (East Sound): Bruce Miller,
Diving Log, 8/20/65.
- 1-CP (beach seine: Gig Harbor spit):
Sea Grant, 72003 (also boat
7208).
- 2-CP (off Gig Harbor spit): Sea
Grant, 72003 (also boat 7208).



Parophrys vetulus

Pleuronectidae

Published Records

- 1-PS: Jordan, 1887.
 1-JF (beach seine: Port Angeles):
 Gilbert, 1895.
 1-PS: Jordan and Gilbert, 1882.
 2-AI (Marrowstone Point):
 Evermann and Goldsborough, 1907.
 2-AI (Kilisut Harbor):
 Evermann and Goldsborough, 1907.
 4-AI (Port Townsend; north of Kala
 Point; north of Tala Point;
 northwest of Tala Point):
 Evermann and Goldsborough, 1907.
 1-S (Seattle):
 Evermann and Goldsborough, 1907.
 1-SJ: Starks, 1911.
 1-HC (Holly):
 Schultz and DeLacy, 1935-36.
 1-PS: Norman, 1934.
 4-GS: Smith, 1936.
 11-B (Bellingham Bay): Smith, 1936.
 6-E (near Coupeville): Smith, 1936.
 1-E (near Oak Harbor): Smith, 1936.
 2-JF (Sequim Bay; Discovery Bay):
 Smith, 1936.
 2-AI (Port Townsend; Port Gamble):
 Smith, 1936.
 2-HC (Bangor; Dabob Bay):
 Smith, 1936.
 1-SS (Hale Pass.): Smith, 1936.
 5-SS (Carr Inlet; Anderson Island;
 Nisqually Flats; Dofflemeyer
 Point; Case Inlet): Smith, 1937.
 2-CS (north of Point Pully;
 Meadowdale): Smith, 1937.
 5-E (Mukilteo; Langley; Camano;
 Watsak Point; Utsalady):
 Smith, 1937.
 2-E (Gedney Island): Smith, 1937.
 4-HC (Hoodsport): Smith, 1937.
 1-HC (Skokomish Flats):
 Smith, 1937.
 1-SJ (Blakely Island): Smith, 1937.
 1-JF (northwest of Dungeness Spit):
 Greenwood, 1957.
 1-E (Kiket Island):
 Stober and Salo, 1970_b.
 2-E (Skagit and Similk Bays):
 Stober and Salo, 1970_b.
 6-E (Similk Bay):
 Stober and Salo, 1970_a.
 20-E (Duwamish River estuary):
 Salo, 1969.
 101-E (Duwamish Head): Salo, 1969.
 26-E (Port Gardner Bay):
 Salo, 1969.
 29-E (Skagit Bay): Salo, 1969.
 2-E (Kiket Island to Strawberry
 Point): Stober and Salo, 1970_b.
 50+-B: DiDonato, 1969.
 50+-HC: DiDonato, 1969.
 70-B (beach seine: Bellingham Bay,
 north of Eliza Island):
 Tyler, 1964.
 1-B (tow net: Bellingham Bay, north
 of Eliza Island): Tyler, 1964.
 5-B (Bellingham Bay):
 McArn et al., 1968.
 3-E (Port Susan):
 McArn et al., 1968.
 1-E (Port Gardner):
 McArn, et al., 1968.
 5-E (upper Saratoga Pass.):
 Menasveta, 1958.
 5-CS (beach seine: south side of
 Point Jefferson): Kendall, 1966.
 29-S (beach seine: Golden Gardens):
 Kendall, 1966.
 2-S (beach seine: pump house
 somewhere between Golden Gardens
 and Carkeek Park; Carkeek Park):
 Kendall, 1966.
 1-E (beach seine: Everett):
 Kendall, 1966.
 2-S (Seattle Harbor; Shilshole Bay):
 Townsend, 1935.
 1-E (Saratoga Pass.):
 Townsend, 1935.
 1-SJ (San Juan Island):
 Townsend, 1935.
 6-E (Saratoga Pass.):
 Menasveta, 1958.
 6-E Port Susan: Menasveta, 1958.
 6-E (Everett Harbor):
 Menasveta, 1958.
 11-E (Penn Cove): Menasveta, 1958.
 10-E (mid Saratoga Pass.):
 Menasveta, 1958.
 11-E (Holmes Harbor):
 Menasveta, 1958.
 1-SS (Chambers Creek, Fox Island):
 Menasveta, 1958.
 1-JF (West Beach): Menasveta, 1958.
 7-E (lower Saratoga Pass.):
 Menasveta, 1958.
 2-E (Port Susan): Menasveta, 1958.
 11-E (Port Gardner):
 Menasveta, 1958.
 8-CS (north "central Puget Sound" to
 Apple Cove): Menasveta, 1958.
 1-SS (Carr Inlet): Menasveta, 1958.
 2-S (West Point; Golden Gardens):
 Good, 1940.
 1-CS (Redondo Beach): Good, 1940.
 2-S (Golden Gardens; Alki):
 Pacis, 1932.
 1-S (Golden Gardens):
 Holland, 1969.
 1-CS (Port Madison): Holland, 1969.
 2-SS (Carr Inlet; Case Inlet):
 Holland, 1969.
 1-S (Golden Gardens):
 El-Sayed, 1959.
 5-CS (Dumas Bay): Miller, 1971_b
 (also NIH 71105 and 71106).
 8-CS (Seahurst County Park):
 Miller, 1971_a (also boat 7113 and
 NIH 71101).
 4-E (Skagit Bay):
 Stober and Salo, 1970_a.

Parophrys vetulus

Pleuronectidae

Published Records

50+-E (Port Susan; Port Gardner; and Saratoga Pass.):
Haw and Buckley, 1971.
E (Penn Cove; Saratoga Pass; and Holmes Harbor):
Van Cleve and Pruter, 1956
(duplicated in boat log).
SJ: MacPhee and Clemens, 1962
(duplicated by Friday Harbor lab log record).
6-HC (Anderson Cove): Chew, 1970.
1-HC (fyke net, in Big Beef Harbor):
Anderson and Chew, 1972.
1-S (Elliott Bay, foot of Queen Anne Hill): Acena y Puntanilla, 1942.
S (Golden Gardens): Allen et al., 1960 (duplicated in boat log).

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16-S (Alki Point): 669; 799; 854; 1922; 4392; 789; 6219; 4461; 4516; 4827; 4885; 5004; 5131 and 5132; 10356; 16583; 16589.
1-SJ: 729.
4-S (Seattle): 833; 845; 855; 10368.
4-SJ (Squaw Bay): 852; 2300; 2081; 2178.
1-SJ (Upright Head): 857.
1-SJ (Cattle Point): 1020.
1-SJ (Peavine Pass.): 1094.
2-SJ (Brown Island): 1118; 2141.
5-SJ (False Bay): 1133; 1161; 1177; 2158; 2269.
1-SJ (Davis Bay): 1194.
1-E (off Snohomish River): 2623.
1-B (eight miles south of Bellingham): 3427.
1-S (south of West Point): 4367.
1-AI (Useless Bay): 4422, 4424 and 4427 (same collection).
1-HC (Quilcene Bay): 4448.
1-CS (beach seine: Fauntleroy): 4464.
8-S (Edmonds Beach): 4547; 4477; 4590; 5441; 5468; 5486; 5511; 5523.
1-E (Saratoga Pass., Watsak Point): 5213.
1-SS (Carr Inlet, ambi-colored): 5259.
3-CS (Redondo Beach): 5311; 4999; 4794.
1-PO (north of buoy N4, Agate Pass.): 5829.
1-CS (Port Madison, Indianola): 6180.
1-PO (Liberty Bay): 6191.
1-CS (beach seine: Cultus Bay): 10394 and 16593 (also boat 5217).
1-SS (Fox Island): 14860.
1-SJ (Kanaka Bay): 1155.
1-SJ (lower East Sound): 1290.
2-SJ (Friday Harbor): 2153; 11164.
1-SJ (Griffin Bay): 2163.
1-AI (Useless Bay): 4564.
1-S (south of Richmond Beach): 4862.
3-SJ (East Sound): 2279; 16678; 17077 (also Friday Harbor log, 6/20/63).
2-SJ (East Sound, south of Rosario Point): 18667 (also NIH, 1964-66); 18668 (also NIH, 1964-66).
2-S (beach seine: Edmonds): 4385; 4410.
2-S (beach seine: spit near Ballard Locks): 4579; 4614.
1-S (beach seine: south of Ballard Locks): 4399.
6-S (North Beach): 4491 and 4495; 4627; 4647; 4839 and 4841; 5036; 5070.
1-S (off North Beach): 5071.
6-S (Edmonds): 4925; 4935; 4939; 5011; 5493; 5502.
1-S (Edwards Point to Point Wells): 4976.
1-S (Shilshole Bay): 5118.
1-S (off Blue Ridge): 5053.
3-S (Meadow Point): 5396; 16588; 17144.
1-CS (off Port Madison): 5725 (also boat 497B).
9-S (Carkeek Park): 5532; 5558; 5564; 5998 (also boat 5022B); 5920; 6062; 8892; 8893; 10654.
18-S (beach seine: Golden Gardens): 8911 (also boat 5121B); 6013 (also boat 5030B); 5941 (also boat 5032.1A); 5933 (also boat 5032.1B); 5905 (also boat 5032.1C); 5932 (also boat 5032.1D); 5919 (also boat 5032.1E); 11162 (also boat 5129B); 11163 (also boat 5209A); 11165 (also boat 5215A); 11166 (also boat 5209D); 11167 (also boat 5108B); 14852 (also boat 5108C); 14853 (also boat 5084B); 14870 (also boat 5215B); 14928 (also boat 5116H); 16584 (also boat 5040A); 14864.
1-SS (northwest end of Stretch Island): 5670 (also boat 7/20/49-1).
1-SS (Carr Inlet, off Glen Cove): 5815 (also boat 5009J).
1-PS: 10371.
2-S (off Golden Gardens): 5850 (also boat 493B); 5734 (also boat 497E).
1-SJ (south of Frost Island): 5991 (also Friday Harbor log 6/19/50-2 and boat 5033D).
1-S (one mile south of Alki Point): 6058.
1-SS (Dofflemeyer Point): 6096.
1-SJ (Fisherman's Bay): 6206.
1-S (south of Duwamish Head): 7695.

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- 5-S (Golden Gardens): 8857; 10656;
14862; 16925; 16574.
1-S (Ballard Beach): 10355.
1-S (near Ballard Locks): 10361.
2-S (Edmonds): 10370; 16616.
1-S (3/4 mile south of Richmond
Beach): 10643.
1-S (south of Richmond Beach):
10649.
1-SS (mouth of Carr Inlet, mid-
channel, west of Gibson Point):
11168 (also boat 5104C).
1-SJ (north side of Johns Island,
second bay): 14858 (also Friday
Harbor log, 8/19/52-1).
2-S (beach seine: Carkeek Park):
14842 (also boat 5220A); 14850
(also boat 5311C).
1-PS (off Oceanographic Inst.):
14857.
1-PO (Agate Pass., buoy N4-N6):
14863 (also boat 5315C).
1-SJ (Argyle Bay): 15836 (also
Friday Harbor log, 8/18/60-1).
1-SJ (San Juan Island): 15961.
1-PO (off Fletcher Bay):
17114 (also boat 6406C).
1-SJ (Upright Channel): 17210 (also
Friday Harbor log, 7/5/63).
1-JF (west of MacArthur Bank):
17851 (also Friday Harbor log,
7/19/63-1).
1-SJ (Deadman Bay): 18222.
- Friday Harbor Laboratory Log
- 2-B (Bellingham Bay):
7/26/51-2; 6/22/55.
1-B (Bellingham Bay, south of Eliza
Island): 8/8/55-1.
2-SJ (off Upright Head):
6/28/51-1; 8/22/55-3.
1-SJ (south of Orcas Island):
6/24/52.
1-SJ (Lopez Sound and East Sound):
7/1/52.
1-SJ (Reid Harbor, Stuart Island):
7/9/52-2 (also boat 5220H).
6-SJ (West Sound): 7/9/52-3 (also
boat 5220I); 8/13/60-2; 6/26/61;
6/27/63-B; 6/20/69-2; 7/6/71-2.
15-SJ (Argyle Bay):
7/21/52; 8/16/55-3; 7/5/60;
7/15/60-2; 8/11/60-2,3,4; 7/8/61;
7/12/61-1,3,4; 8/3/61; 7/15/63;
7/8/67; 7/10/69-4.
1-SJ (north side of Johns Island,
second bay): 8/19/52-1.
4-SJ (Friday Harbor Lab): 8/3/52;
8/18/55; 7/19/60; 8/4/60-1.
10-SJ (False Bay):
8/4/52-1,2; 7/17/50-1; 7/24/60;
8/5/60; 6/29/51; 7/26/61;
6/21/63; 7/18/67; 7/1/69-8.
- 4-SJ (lower East Sound):
7/28/55; 8/11/55-3; 8/22/55-6;
6/20/50-2 (also boat 5033I).
8-SJ (East Sound):
8/11/52; 7/6/60-2; 7/26/60;
8/13/60-1; 6/20/61; 5/11/62;
6/29/71-1; 7/6/71-1.
1-SJ (Roche Harbor): 8/19/52.
1-SJ (East Sound or West Sound):
7/25/55.
1-SJ (southeast of Cattle Point):
8/3/55-2 (also boat 5520B).
1-SJ (Trump Island to Decatur Head):
8/11/55-2.
1-SJ (Eagle Point): 7/13/50-3.
2-SJ (outside False Bay):
8/17/55-1,2.
1-SJ (Cowlitz Bay): 8/25/55-1.
1-SJ (Johns Island): 7/10/50-2.
1-SJ (west of Decatur Head):
7/24/50-1.
1-SJ (San Juan Island, opposite
Henry Island): 7/31/50-1.
1-SJ (north of Hunter Bay):
6/19/50-5 (also boat 5033G).
1-SJ (off northwest of Barnes
Island):
6/20/50-3 (also boat 5033J).
1-SJ (West Sound and Lopez Sound):
6/27/60.
2-SJ (Squaw Bay):
8/1/60-1; 7/10/61-1.
2-SJ (Upright Head to Olga):
8/1/60-2; 7/10/61-2.
2-SJ (Mitchell Bay):
8/16/60-1; 7/17/61-2.
3-JF (west of McArthur Bank):
8/8/60; 8/3/69; 7/8/69-1.
1-SJ (Westcott Bay): 8/16/60-2.
1-SJ (White Beach): 8/16/60-4.
1-SJ (North Bay): 8/16/60-2.
1-SJ (McArdle Bay): 8/22/60-3.
2-SJ (Lopez Sound):
8/22/60-4; 6/21/71-2.
1-SJ (Friday Harbor): 6/27/61.
1-JF or SJ (Cattle Point to Smith
Island): 6/28/61-1.
3-SJ (Argyle Lagoon):
7/12/61-2; 7/10/69-2,3.
1-SJ (Smallpox Bay): 7/13/61.
1-SJ (Mosquito Pass.): 7/17/61-1.
2-SJ (Cattle Point):
8/6/61; 6/23/67-1.
1-SJ (San Juan Island): 5/62.
1-SJ (south of Lopez Island):
6/27/63-A.
7-SJ (mid East Sound):
1/17/64; 2/21/64; 4/3/64; 6/5/64;
7/11/64; 6/20/69-1; 6/21/71-1.
1-SJ (Squaw Bay or West Sound):
6/30/67.
1-SJ: 7/14/67.
1-SJ (Squaw-Ogden): 6/27/69.
1-SJ (Friday Harbor lab night
light): 1969.

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1-SJ (lower East Sound): 6/26/73-1.

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- 1-JF (Discovery Bay): 5318A.
 1-JF (west of McArthur Bank): 5520A.
 1-GS (north of Alden Bank): 491G.
 1-GS (off Cherry Point): 491H.
 1-SJ (Puffin Island to Orcas Island): 491E.
 1-SJ (off Raccoon Point toward Barnes Island): 491F.
 1-SJ (north end of East Sound): 491M.
 2-SJ (East Sound): 5033M; 6512I.
 1-SJ (beach seine: Fisherman's Bay): 5033O.
 1-SJ (Lopez Sound, south of Spencer Spit): 5033P.
 17-SJ (training cruise area: East Sound, north of Rosario Point): 6507H; 6517H; 6603H; 6614H; 6620H; 6630H; 6717H; 6815H; 6819H; 6908H; 6914H; 7010H; 7017H; 7110H; 7118H; 7307H; 7313H.
 3-SJ (training cruise area: Lopez Sound, southwest of Center Island): 7017I; 7118I; 7307I.
 1-SJ (Lopez Sound, west of Ram Island): 491P.
 1-B (east of Point Frances): 491J.
 1-B (east of Vendovi Island): 491K.
 1-B (east of Burrows Island): 5033S.
 2-B (Bellingham Bay): 6715G; 6822G.
 20-B (training cruise area: southwest of Post Point): 6507G9; 6512G; 6517G; 6603G; 6614G; 6620G; 6630G; 6717G; 6815G; 6819G; 6826G; 6908G; 6914G; 7010G; 7017G; G.1; 7110G; 7118G; 7307G; 7313G.
 1-E (off Tulalip Bay): 7/1/49-1.
 26-E (Holmes Harbor, off Rocky Point to Dines Point): 491Q; 5220D,O; 5234A,C; 5237D,E,F,L; 5307B,C,D,K,L,R,S; 5312H,I; 5321R,S; 5327C,D,E; 5509E,F; 5611C.
 3-E (Port Susan, off Warm Beach): 5023A,B,C.
 1-E (Port Susan, off Spee-Bi-Dah): 5023D.
 2-E (off Mission Beach): 5023E,F.
 5-E (Penn Cove mouth, off Long Point to off Snatelum Point): 5213A; 5220E; 5321F; 5330H; 5810G.
 7-E (Penn Cove, off Coupeville to Lovejoy Point): 5213B,C; 5316I,J; 5231A,H; 5418E.
 2-E (off Oak Harbor to Blower Bluff): 5220F,N.
 21-E (Holmes Harbor, off Dines Point to Classic): 5234D; 5237C,M; 5305C,D; 5307I,J; 5312F,G,J,K; 5316A,B,C; 5321X; 5405G,H; 5501D; 5509C,D; 5712F.
- 43-E (Holmes Harbor, south of Classic): 5234E,F; 5237A,B,G,I,J,K; 5305A,B,G; 5307E,F,G,H,M,N,O,P,T,U; 5312B,C,D,E,L,N; 5316D,E,M,N; 5321T,U,V,W; 5321Y; 5501A,B,C,E,F; 5611B; 5810E.
 1-E (beach seine: Good Beach, Penn Cove): 5316G.
 10-E (Saratoga Pass., off Snatelum Point to Onamac Point): 5316K,L; 5330F,I; 5418H; 5712C; 5509M,N,Q,R.
 77-E (Holmes Harbor): 5305E,F,H,I,J,K,L,M; 5325A,B,C,D,E; 5327A,B; 5330A,B,C,L,M; 5405A,B,C,D,E,F; 5418A,B,C,D; 5420A,B,C,H; 5509A,B,G,H,I,J,S,T,U; 5522D,E; 5604D,E,F,G,H,I; 5613O,P,Q,R,S,T; 5614E,F,G; 5703E,G,H; 5810A; 5928A,B,C,D,E,F,Q; 5933D,G,H,I,J; 6821.5E.
 2-E (Penn Cove, off Lovejoy Point to Long Point): 5321B,G.
 3-E (off Utsalady Point): 5321C,D,E.
 2-E (Saratoga Pass., off Snatelum Point): 5321I,J.
 8-E (Saratoga Pass., off Onamac Point to Indian Beach): 5321K,L; 5330D; 5405L,M,N; 5418K,L.
 7-E (Elger Bay): 5321M,N; 5330J; 5405O,P,Q; 5418I,J; 7112.
 4-E (Saratoga Pass., off Saratoga to off Langley): 5321O,P,Q; 5330K.
 1-E (off southwest of Everett): 5525C.
 39-E (Penn Cove): 5327F,G; 5330G; 5405I,J,K; 5418F,G; 5420D,E,F,G; 5509K,L,O,P; 5522F; 5613U,V,W,X; 5614H,I,J; 5712A; 5810F,H; 5928G,H,I,J,K,L,M,N,O,P; 6117D,E.
 2-E (Saratoga Pass., off North Bluff to off Greenbank): 5418M,N.
 17-E (off Mukilteo): 5525A,B,E,F,H,I,J,K,L,M,N; 5604A,B,C; 5613M,N; 6407.
 2-E (off north of Mukilteo to Gedney Island): 5525D,G.
 1-E (Saratoga Pass., off Cama Beach to Lowell Point): 5712D.
 4-E (Holmes Harbor or Penn Cove): 6117I,J,K,L.
 14-E (training cruise area: east of Gedney Island): 6507C8; 6512C; 6517C; 6620C; 6630C; 6722C; 6815C; 6819C; 6908C; 6914C; 7010C; 7017C; 7118C; 7313C.
 7-E (training cruise area: off Penn Cove): 6614E; 6717E; 6826E; 6908E; 7110E; 7213E; 7307E.
 3-E (training cruise area: Saratoga Pass., north of Langley): 6603D; 7010D; 7017D.

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- 4-E (Saratoga Pass.):
6801.5; 6810B,C; 6821.5D.
- 1-E (Port Susan, off Kayak Point):
6702C.
- 1-E (Port Susan, off north of Kayak Point to Tulalip): 7112.
- 2-AI (training cruise area: east of north Marrowstone Island):
6507J; 6603J.
- 1-AI (just south of Foulweather Bluff on east side of Hood Canal entrance): 7112E.
- 1-AI (off Tala Point to Hood Head):
6902M.
- 1-AI (off White Rock): 499K.
- 1-AI (in Oak Bay): 5009C.
- 3-HC (off Shine to Sisters buoy):
499C; 12/28/48-1,2.
- 2-HC (off Lofall): 12/28/48-3,4.
- 1-HC (opposite Hoodspout): 499F.
- 1-HC (off Sisters Point): 499G.
- 1-HC (off Tabook Point, Dabob Bay):
499I.
- 1-HC (off Thorndike Bay): 499J.
- 18-HC (Dabob Bay): 5903B; 5921;
6105A; 6202A,F; 7102A,C,E,H,J (or I),K,L,N,P; 7112; 7205I,M,N.
- 1-HC (west of Misery Point): 7202A.
- 5-HC (off Pleasant Harbor): 6804E;
6828E; 6902L; 7003I; 7202C.
- 46-HC (Dabob Bay, Broad Spit to Long Spit):
6503A,C,D,E,G,H; 6601A,D; 6629A,B,D; 6702D,E,F; 6724A; 6804A,B,F,G,H; 6807A,B; 6328A,B; 6902A,B,C,E,F,H; 7003A,B,E; 7202D,E,F,G,H,I,J; 7303A,B,C,D,E,F.
- 1-HC (mid-channel, off Hoodspout to Potlatch): 6804D.
- 1-HC (northeast of Big Beef):
6902I.
- 1-HC (west of Seabeck Bay): 6902J.
- 3-HC (Anderson Cove): 7009B,C,D.
- 1-HC (opposite Vinland): 7112C.
- 1-HC (south of Hood Canal floating bridge): 7112D.
- 4-CS (off Port Madison):
5812E; 5006E; 5043C,B.
- 17-CS (Port Madison):
1/22/49-1,2,3,5; 2/5/49-1; 5048B; 5122A; 5131B; 5132D; 6/30/49; 492A; 5006C; 5043A; 5812A; 5932A; 6204B; 7011C.
- 1-CS (northeast of Apple Cove Point): 5009A.
- 1-CS (off Cultus Bay): 5032A.
- 3-CS (mouth of Quartermaster Harbor): 5042A; 5104B; 5115H.
- 1-CS (mid Quartermaster Harbor):
5042C.
- 1-CS (Tramp Harbor): 5104A.
- 1-CS (off Point Jefferson): 5112D.
- 1-CS (beach seine: Cultus Bay):
5217B.
- 1-CS (north of Des Moines): 5224A.
- 5-CS (off Agate Pass., Port Madison): 5232A; 5236A; 5302AA; 5310.2F; 5317C.
- 5-CS (mid-channel, Meadow Point to Port Madison): 5314B; 5516A; 5608A; 5709B; 5911B.
- 1-CS (west of Point Monroe): 5315D.
- 2-CS (off Fay Bainbridge State Park): 5805A; 5806C.
- 4-CS (east of Point Monroe):
5805C; 5813A,B,C.
- 2-CS (beach seine: south of Fay Bainbridge State Park): 5806A,B.
- 22-CS (training cruise area: mid-channel, Skiff Point to West Point): 6512B; 6603B; 6606B; 6607B; 6611B; 6614B; 6620B; 6623B; 6626B; 6627B; 6628B; 6722B; 6815B; 6908B; 6914B; 7017B; 7110B; 7118B; 7213B; 7307B; 7308B; 7313B.
- 4-CS (off Murden Cove):
6610B; 6710A2,B2,C2.
- 1-CS (Vashon Island, off Sylvan Beach): 6703A.
- 1-CS (Vashon Island, east of Neill Point): 6703C.
- 3-CS (trap, Port Madison):
6213-2,3; 6217-1.
- 1-CS (off West Point): 7017Y.
- 47-CS (Murden Cove):
6610A,C,D; 6612A,B; 6613A,B; 6616; 6705; 6706B; 6710A; 6711D2; 6713C,D,G,H; 6801B; 6806B; 6809A; 6812B,C,D,E; 6818A,B,C; 6819X; 6821.5G,H,I; 6823-1,2,3; 6906A,B,C,D,E; 6912; 7008A,B; 7108A,B,C,D; 4/4/73B; 7308A.
- 1-CS (trap, Blake Island): 6217-4.
- 10-PO (Agate Pass., buoy N4 to N6):
5006A; 3/25/49-2; 5048A; 5131A; 5132C; 5310.4F,.5C,.5F,.5J; 6617B.
- 1-PO (south part of Agate Pass.):
5011C.
- 19-PO (off south of Fletcher Bay):
5229A,C; 5413B,D,E,F; 5421B; 5801A,B,C; 5926B,C,D,E; 6016B4; 6118A,B,C,D.
- 8-PO (off Manzanita to off Seabold):
5236B; 5310.1D,.2B,.4B,.5B,.5E; 6215A,B.
- 5-PO (between "B-2" and "B-1"):
5236F; 5526A; 6205C1,C2,C3; 5301C.
- 130-PO (off Fletcher Bay to south of Battle Point and Brownsville):
5206B; 5207D,E; 5223B; 5226A,B; 5228E,F; 5230F; 5232C; 5235P; 5236C,D,E; 5301A,B,D; 5302BB; 5303; 5306A; 5309A; 5310.3B,.5D,.5G; 5315B; 5317A,B; 5323A; 5401A; 5402X; 5404.1; 5409.1; 5413A; 5414.1C; 5421A; 5422A,B,C; 5423A; 5503A; 5504; 5507; 5523A,

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- B; 5524; 5602A,B; 5603E; 5615A,B, C,D; 5707A,B,G,H; 5709C; 5711A; 5809A; 5901AK,AL; 5904A,B,C; 5905A; 5906A; 5907A; 5910A; 5912A; 5915A,B; 5919A,B; 5922A; 5923A,B; 5924B; 5927C; 5931B; 5932B; 6001AM,AN; 6003A; 6006A,B; 6008A; 6011A; 6015B; 6016A1,B1, A2,B2,A3,B3,A4,A5,B5; 6020; 6021A,B,C,D,E; 6101A; 6103; 6107; 6109A; 6111A,B; 6119I; 6201; 6202.5; 6205D1,D2,D3; 6311.5; 6317; 6320A; 6322.5; 6403AF; 64251-A,2A; 6427A,B; 6504; 6504.5B; 6505A; 6507K; 6707; 6913.
- 1-PO (Brownsville to White Point): 6806A.
- 45-PO (most off Fletcher Bay): 5306B; 5812B; 5926A; 6002A; 6007A,B; 6009A; 6203B,C; 6204A,C; 6214; 6302.5; 6312.5; 6402; 6407.1,.2; 6415; 6419; 6515-1,2; 6711C; 6713A,B,E,F; 6715; 6716.5; 6801; 6806; 6813.5; 6821.5F; 6916D,H; 7011A,B; 7020; 7104-1,2; 7105-1,2; 7107A,B; 7302A; 7313X.
- 3-PO (off Battle Point and north): 5309B; 5310.3A; 5422F.
- 2-PO (Point Bolin to Keyport): 5310.4D,E.
- 1-PO (Agate Pass., north of buoy N4): 5709D.
- 3-PO (beach seine: one mile north of Illahee Dock): 6205A2.2,3.1,3.2.
- 1-PO (off Seabold Wharf): 6617A.
- 2-S (1/2 mile west of Duwamish Head): 6615A,B.
- 1-S (off Piper Creek): 6510D.
- 112-S (off Golden Gardens to Meadow Point): 4/2/49-1,2; 4/16/49-2,4; 491A; 492F; 494A,B,C,E; 495D; 496A,C; 498A,B; 4910A; 5003A; 5007B,C; 5008B,C; 5009K,L; 5014B, C; 5017C,D,F; 5028A,B; 5029B,C,D; 5033A; 5034A,B,D,E; 5039D; 5110B, C; 5112A,B,C,E; 5119C,D,G,H; 5127B; 5129C; 5131C; 5132A,B; 5203C,D; 5233B; 5314C; 5324B,C; 5329C,D; 5401D; 5408A,B; 5416A,B; 5512E,F,G; 5521A,D; 5607A,B; 5702AN; 5704E; 5707J,K; 5713G; 5907B,C,D; 5911A; 5920A,B,E,F; 5924C; 5931A; 6005A,B,C; 6010A,B, C,D; 6018A; 6112A,B,C; 6114A; 6206A,B; 6311A,D,E,F; 6414A; 6506A,C; 651CC.
- 3-S (off West Point sewer outfall): 6718-3,5,6.
- 2-S (off south of West Point to off Four-Mile Rock): 5602C; 5027D.
- 273-S (beach seine: Golden Gardens to Meadow Point): 492E; 5001; 5007D; 5010A,D; 5012A,B,C; 5013; 5015A,B,C,D;
- 5016A,B,C,D; 5018A; 5019A,B,C; 5021A,F,G; 5024A,C,D; 5036A,B; 5047A,B,C; 5105A; 5108A; 5110H; 5112F,G; 5114A,B,C,D; 5116A,B,C1, D2,E,F,G1,G2; 5119E,F; 5127C; 5134A,B; 5137A,B; 5208B,D; 5209B, C; 5214A1,A2,B1,B2,C1,C2,D1,D2, E1,E2,F1,F2; 5215U,C,D,E,F,G,H,I, J,K,L,M,N; 5314D; 5320A,B; 5322A; 5324E; 5326A; 5328A; 5329E; 5404A; 5406; 5407; 5409; 5411A,B; 5412A,B,C,D,E; 5414A,D,F; 5415A, C,E,D,F,I,J,M,O,B,G,K,P; 5417A; 5419; 5424A,B; 5505A,B,C,D,E,F; 5508A,B,C,D; 5510A,B,E,F; 5513A, B,C,D; 5514A,B,C,D; 5609A,B; 5612A; 5706A,B,C; 5710A,B,C,D; 5804A; 5807A,C; 5909C,D,E; 5913A, B; 5914A,B,C; 5920J,K,L,M,N,O; 5925A,B; 6014A,B,C; 6019A,B,C; 6110; 6113A,B,C; 6115A,B; 6116A, B,C; 6207A,B,C; 6210C; 6209A,B,D; 6211; 17-6309; 15-6310; 6311B,C; 6319; 6410A,B,C; 6411A,B; 6-6417; 6508A,B,C,D; 6509A,B,C,D; 6511A, B,C,D,E,F; 6513A,B; 6518A,B; 6708A,B,C; 6709B,C; 6711A2,B2,C2; 6716A,B,C.
- 30-S (off Meadow Point to Carkeek): 5020A; 5039E; 5041B; 5044A; 5110A; 5119B; 5203A,B; 5211B,C; 5212B,D,E,F; 5216A; 5233A; 5401C; 5606A; 5915C,D; 7119A,B; 7120A,B; 6406A; 6414B,C,D; 6510A,B.
- 23-S (beach seine: Carkeek Park): 5022A,C; 5219A,B; 5220C; 5221A,B, C; 5225A,B; 5231A; 5311A,B; 5313A,B,C,D; 5708A,B,C,D; 5808A, B.
- 6-S (off Alki Point to Duwamish Head): 5027A; 5603A; 5616D; 5702AM; 5802JJ; 6001AO.
- 1-S (off Edmonds): 6119.
- 1-S (off north of Carkeek Park): 6206C.
- 2-S (off West Point): 6721A-1,2.
- 1-S (Meadow Point to Richmond Beach): 6429A.
- 21-S (beach seine: Alki Point to Duwamish Head): 21-6619.
- 1-S (Carkeek Park to Richmond Beach): 6719A.
- 2-S (southwest of West Point): 6806C; 6818D.
- 5-S (beach seine: north side of West Point): 7310A4; 7311A,C,B; 7311.
- 2-CP (off Sandford Point): 7/18/49; 5126N.
- 1-CP (south end of West Pass.): 7/21/49-1.
- 4-CP (off Camp Sealth): 5009E,F; 5104CC,DD.
- 3-CP (off Cove): 5046A; 5133Q; 5135E.
- 1-CP (west side off south of Command Point): 5133P.

Parophrys vetulus

Pleuronectidae

University of Washington Boat Log

- 1-CP (Olalla to Maplewood): 6703D.
 2-SS (off McLane Cove to Stretch Island): 7/20/49-3; 5201L.
 1-SS (off mouth of Budd Inlet): 7/20/49-4.
 9-SS (northwest end of Nisqually Reach): 7/20/49-5; 5009I; 5126J; 5201C,D,M; 5204F,G,J.
 39-SS (Carr Inlet, off Minter Creek to Elgin): 7/19/49-1; 5037H; 5045D,E,EE,F,G,J; 5046C; 5101C; 5102C; 5104D,H,I,V,X; 5107A; 5126D,F; 5133B,C,F,J,K,M,N; 5135A,B,C,D; 5201G,H,P; 5213E,F; 5227D,E,F,G,I.
 2-SS (Case Inlet, west of Herron Island): 5009G; 5126H.
 1-SS (north end of Pickering Pass., to off McLane Cove): 5009H.
 2-SS (southwest of Green Point, Carr Inlet): 5037A; 5104T.
 48-SS (Carr Inlet, off Glen Cove to off Cuts and Raft Islands): 5037C,G; 5045A,B,C,K; 5101B,E,F; 5102A,B; 5104J,K,L,M,N,O,P,Q,Y,Z, AA; 5115F; 5126C,M; 5201A,B,O; 5204A,B,C,D,E,K,L,M,N; 5213D; 5227B; 5613A,B,C,D,E,F,G,H,I.
 9-SS (Carr Inlet, off Wauna): 5037I; 5045I; 5101A; 5104E,F,G,W; 5126L; 5227A.
 2-SS (mouth of Carr Inlet, Gibson Point to Gertrude Island): 5046D; 5104C.
 2-SS (Carr Inlet, east side of Cutts Island): 5037D,F.
 2-SS (Carr Inlet, mid-channel, off north of Home): 5104R; 5201I.
 2-SS (Totten Inlet, Windy Point to Steamboat Island): 5115D; 5201K.
 1-SS (beach seine: Carr Inlet, one mile north of Minter Creek): 5126E.
 1-SS (Case Inlet, off Victor): 5126G.
 1-SS (west of Ketron Island): 5126K.
 1-SS (Dana Pass., off Unsal Point): 5201J.
 1-SS (Hale Pass., Wollochet Bay to Point Fosdick): 5201N.
 9-SS (Carr Inlet): 5522A,B,C; 5605B,D; 5703A,B,C,D;
 1-SS (beach seine: just south of Minter Creek, Carr Inlet): 5227H.
 1-SS (Dana Pass., Brisco Point to Dofflemeyer Point): 5204H.
 3-SS (Case Inlet): 5613J,K,L.
 4-SS (Eld Inlet, trap area, one mile northeast of Flapjack Point): 6208A,B; 6219-1,2.
 1-SS (Case Inlet, east of Hartstene Island): 6724C.
 3-SS (Carr Inlet, Glenn Cove to Green Point): 6724B-1,2,3.

- 1-SS (Drayton Pass.): 6724D.

Miscellaneous Logs

- 2-S (West Point to Magnolia): Metro, 1963-70.
 5-S (beach seine: Duwamish River estuary): Metro, 1963-70.
 135-S (Duwamish River estuary): Metro, 1966-70.
 1-E (Everett): WSDF, Sport Fish., 1965-70.
 5-HC: WSDF, Sport Fish., 1965-70.
 50+-S (Duwamish Head to Alki Point): U.W. Ocean., 1964-67.
 50+-E (Port Gardner Bay): U.W. Ocean., P.G., 1962-67.
 350-PO (south of Fletcher Bay): U.W. Ocean., P.O., 1964-65.
 50+-S (Golden Gardens to Meadow Point): U.W. Ocean., Hoh, 1963-68.
 50+-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
 2-HC (Lynch Cove): U.W. Ocean., Hoh, 1963-67.
 2-HC (Seabeck): U.W. Ocean., Hoh, 1963-67.
 50+-SS (Case Inlet, off Taylor Bay to off Whiteman Cove): U.W. Ocean., Hoh, 1963-67.
 3-SS (Nisqually Flats): U.W. Ocean., Hoh, 1963-67.
 10+-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
 50+-CS (Port Madison): U.W. Ocean., Hoh, 1963-68.
 2-CS (Norma Beach): U.W. Ocean., Hoh, 1963-68.
 30-E (Port Gardner Bay): U.W. Ocean., Hoh, 1963-67.
 23-E (Port Susan): U.W. Ocean., Hoh, 1963-67.
 9-E (Penn Cove): U.W. Ocean., Hoh, 1963-67.
 13-E (off Demock Point to Utsalady Point): U.W. Ocean., Hoh, 1963-67.
 5-E (Saratoga Pass., off Demock Point): U.W. Ocean., Hoh, 1963-67.
 1-S (Edmonds ferry dock): A.C. DeLacy, personal communication, 1962.
 21-E (Holmes Harbor): U.W. Ocean., Hoh, 1963-67.
 1-SS (Case Inlet, off Taylor Bay to off Whiteman Cove): U.W. Ocean., Commando, 1968.
 1-PO: U.W. Ocean., Commando, 1968.
 1-E (Port Susan): U.W. Ocean., Commando, 1968.
 5-CS (Skiff Point to Point Jefferson): U.W. Ocean., herring trawl, 1968-69.

Parophrys vetulus

Pleuronectidae

Miscellaneous Logs

- 4-SS (mouth of Carr Inlet): U.W. Ocean., herring trawl, 1968-69.
- 5-E (Port Susan): U.W. Ocean., herring trawl, 1968-69.
- 6-PO (south of Fletcher Bay): U.W. Ocean., herring trawl, 1968-69.
- 3-CS (Apple Cove Point): U.W. Ocean., Hoh, S.J., 1966.
- 1-CS (Pilot Point): U.W. Ocean., Hoh, S.J., 1966.
- 4-AI (Useless Bay): U.W. Ocean., Hoh, S.J., 1966.
- 2-AI (Port Townsend Bay): U.W. Ocean., Hoh, S.J., 1966.
- 1-AI (Skunk Bay): U.W. Ocean., S.J., Hoh, 1966.
- 2-AI (Mutiny Bay): U.W. Ocean., Hoh, S.J., 1966.
- 2-SJ (Discovery Bay): U.W. Ocean., Hoh, S.J., 1966.
- 3-B (Padilla Bay near William Point): U.W. Ocean., Hoh, S.J., 1966.
- 2-B (Samish Bay): U.W. Ocean., Hoh, S.J., 1966.
- 3-B (Bellingham Bay): U.W. Ocean., Hoh, S.J., 1966.
- 2-SJ (West Sound): U.W. Ocean., Hoh, S.J., 1966.
- 4-SJ (East Sound): U.W. Ocean., Hoh, S.J., 1966.
- 12-E (Penn Cove): U.W. Ocean., Hoh, S.J., 1966.
- 6-E (Utsalady): U.W. Ocean., Hoh, S.J., 1966.
- 4-E (Port Susan): U.W. Ocean., Hoh, S.J., 1966.
- 4-E (Port Gardner Bay): U.W. Ocean., Hoh, S.J., 1966.
- 7-E (Holmes Harbor): U.W. Ocean., Hoh, S.J., 1966.
- 14-JF (Protection Island): WSDF, groundfish trawl, through 1970.
- 19-JF (Discovery Bay): WSDF, groundfish trawl, through 1970.
- 1-E (Holmes Harbor): WSDF, groundfish trawl, through 1970.
- 4-AI (Port Townsend): WSDF, groundfish trawl, through 1970.
- 7-AI (Oak Bay): WSDF, groundfish trawl, through 1970.
- 2-AI (Olele Point; Skunk Bay): WSDF, groundfish trawl, through 1970.
- 1-S (Edmonds): WSDF, groundfish trawl, through 1970.
- 2-SS (Drayton Pass; Dana Pass.): WSDF, groundfish trawl, through 1970.
- 2-SS (Eld Inlet): WSDF, groundfish trawl, through 1970.
- 1-SS (Carr Inlet): NMFS, Cobb 68.
- 34-B (Bellingham Bay): WSDF, groundfish trawl, through 1970.
- 1-CS (Apple Cove Point): WSDF, groundfish trawl, through 1970.
- 6-JF (Discovery Bay): WSDF, Commercial Catch Comp., 1966-71.
- 2-E (Holmes Harbor; Saratoga Pass.): WSDF, Commercial Catch Comp., 1966-71.
- 1-E (Bellingham Bay, west of Lummi Island): WSDF, Commercial Catch Comp., 1969-70.
- 1-SS (Carr Inlet): WSDF, Commercial Catch Comp., 1969-70.
- 3-SS (Case Inlet): WSDF, Commercial Catch Comp., 1969-70.
- 13-AI (east of Port Townsend): NMFS, Cobb 35.
- 6-SJ (west of Protection Island): NMFS, Cobb 35.
- 2-JF (Discovery Bay): NMFS, Cobb 35.
- 1-JF (Protection Island to Discovery Bay): NMFS, Cobb 35.
- 1-CS (Poverty Bay): NMFS, Cobb 68.
- 2-E (Saratoga): NMFS, Cobb 68.
- 4-PO (south of Fletcher Bay): NMFS, Cobb 68.
- 1-E (Holmes Harbor): NMFS, Cobb 70.
- 1-SS (Case Inlet, off Wilson Point): NMFS, Cobb 72.
- 1-E (lower Port Susan): NMFS, Cobb 78.
- 2-JF (mid-channel, north of Morse Creek): NMFS, Cobb 90.
- 3-E (north end of Saratoga Pass.): NMFS, Cobb 91.
- 5-E (Holmes Harbor): NMFS, Cobb 91.
- 1-JF (northwest of Dungeness Spit): NMFS, Cobb 92.
- 1-S (off Golden Gardens): NMFS, Cobb 75.
- 1-SS (Carr Inlet): NMFS, Cobb 75.
- 3-E (Everett Harbor): NMFS, Cobb 1/20/61.
- 1-E (Elger Bay): NMFS, Cobb 1/20/61.
- 2-SJ (East Sound): NIH, 1968-71.
- 21-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
- 2-SJ (Argyle Spit): NIH, 1968-71.
- 1-SJ (False Bay): NIH, 1968-71.
- 8-B (Bellingham Bay, off Nooksack River to Marine Drive): NIH, 1968-71.
- 151-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
- 2-S (Duwamish Head to Alki Point): NIH, 1968-71.
- 1-PO (off Fletcher Bay): NIH, 1968-71.
- 2-PO (Clam Bay): NIH, 1968-71.
- 2-HC (Big Beef Harbor): NIH, 69042.
- 3-SS (Case Inlet, Stretch Island to Herron Island): NIH, 1968-71.
- 1-S (Henderson Inlet): NIH, 1968-71.
- 43-CS (Port Madison): Van Cleve, trap, 1961-65.

Parophrys vetulus

Pleuronectidae

Miscellaneous Logs

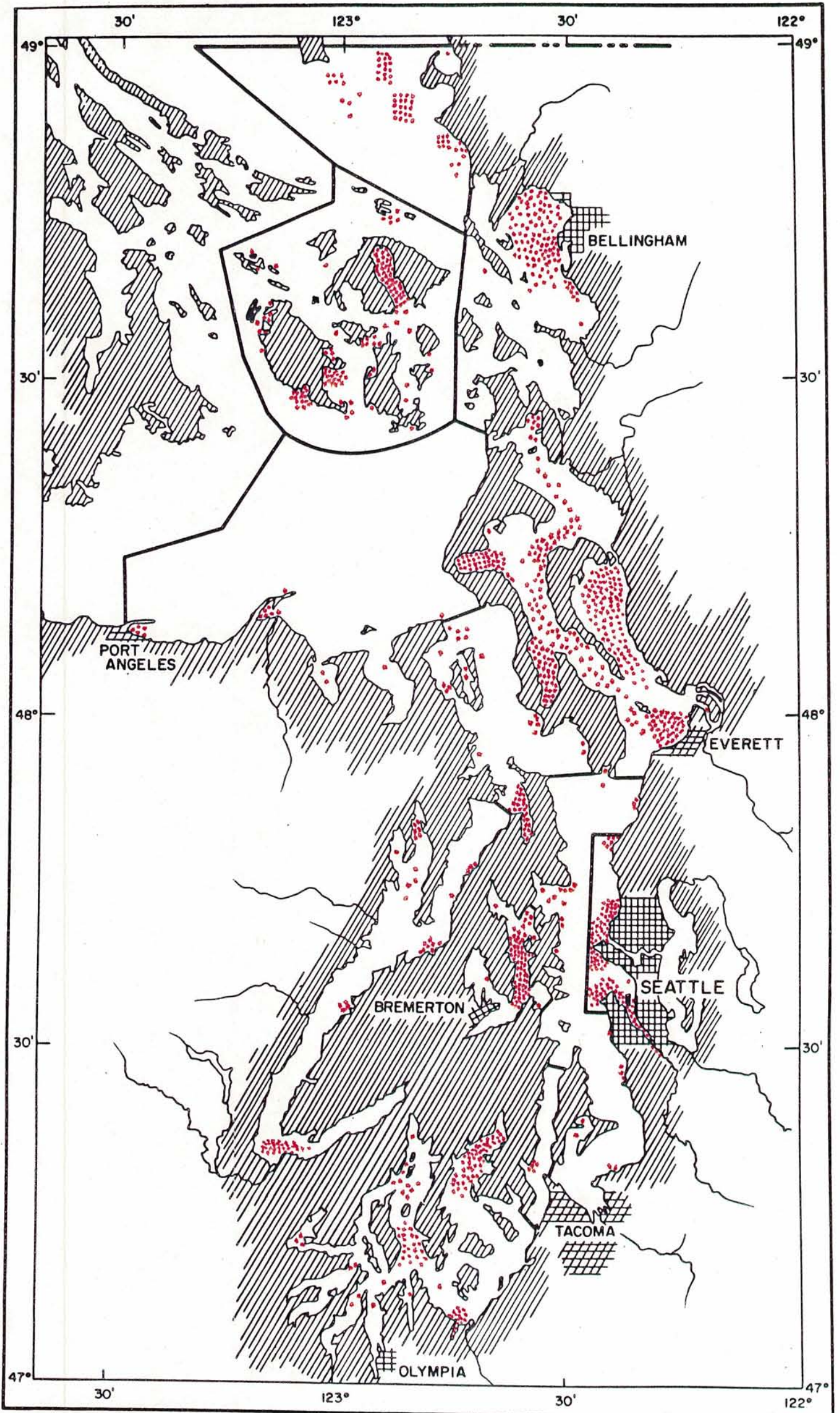
- 8-PO (off Fletcher Bay):
Van Cleve, trap, 1961-65.
- 82-SS (entrance to Eld Inlet):
Van Cleve, trap, 1961-65.
- 8-E (Holmes Harbor):
Van Cleve, trap, 1961-65.
- 1-SS (north part of Pickering Pass.):
Van Cleve, trap, 1961-65.
- 5-E (Saratoga Pass., west side just south of Penn Cove):
Van Cleve, trap, 1961-65.
- 1-E (Penn Cove):
Van Cleve, trap, 1961-65.
- 1-JF (beach seine: Port Angeles embayment):
Peninsula College, 1971.
- 1-JF (north of Ediz Hook):
NMFS, Cobb 25.
- 2-JF (lower Sequim Bay):
Sea Grant, 71110.
- 2-JF (upper Discovery Bay; lower Discovery Bay):
Sea Grant, 71111.
- 17-GS (tow area 1, mouth of Boundary Bay):
WSDF, Gulf Georgia, 1969-71.
- 19-GS (tow area 2, off Birch Bay):
WSDF, Gulf Georgia, 1969-71.
- 20-GS (tow area 3, off Cherry Point):
WSDF, Gulf Georgia, 1969-71.
- 14-GS (tow area 4, off north of Neptune Beach):
WSDF, Gulf Georgia, 1969-71.
- 14-GS (tow area 5, north of Alden Bank):
WSDF, Gulf Georgia, 1969-71.
- 18-GS (tow area 5, southeast of Point Roberts):
WSDF, Gulf Georgia, 1969-71.
- 6-GS (tow area 7, mid-channel):
WSDF, Gulf Georgia, 1969-71.
- 4-GS (tow area 8, mid-channel):
WSDF, Gulf Georgia, 1969-71.
- 1-GS (tow area 9, mid-channel):
WSDF, Gulf Georgia, 1969-71.
- 1-S (Alki Beach): Bruce Miller, Diving Log, 6/16/67.
- 21-JF (west of Protection Island):
NMFS, Cobb 2/28/73.
- 1-CS (south of Possession Point):
NMFS, Cobb 2/28/73.
- 1-S (off south of Carkeek Park):
Sea Grant, 3/17/71.
- 11-CP (beach seine: Gig Harbor Spit): Sea Grant, 72003 (also boat 7208).
- 5-CP (off Gig Harbor Spit): Sea Grant, 72003 (also boat 7208).
- 5-CP (in Gig Harbor): Sea Grant, 72003 (also boat 7208).
- 2-GS (beach seine: south of Cherry Point): Sea Grant, 72008.
- 6-GS (south of Cherry Point):
Sea Grant, 1972.
- 9-S (Duwamish River estuary, 16th Ave. S. to 1st Ave. S. bridge):
Sea Grant, 1972.
- 9-AI (beach seine: Mutiny Bay):
Sea Grant, 2-72011; 72014;
5-72015; 72033.
- 1-CS (hand net, one mile south of Fay Bainbridge State Park):
Sea Grant, 72012.
- 7-CS (beach seine: Seahurst County Park):
Sea Grant, 72013; 6-72016.
- 6-JF (beach seine: West Beach, Whidbey Island):
Sea Grant, 72017.
- 11-SS (off Nisqually River to McAllister Creek):
Sea Grant, 6-72020; 5-72034.
- 21-S (beach seine: Golden Gardens):
Sea Grant, 5-72022; 4-72023;
4-72027; 8-72032.
- 2-HC (off Big Beef Harbor):
Sea Grant, 72031.
- 3-CP (off Gig Harbor Spit):
Sea Grant, 72025.
- 4-HC (off Big Beef Harbor):
Sea Grant, 72026.
- 1-SS (beach seine: Nisqually Head):
Sea Grant, 72030.
- 2-B (Bellingham Bay, mid-channel, off Nooksack River Flats):
Sea Grant, 72035.
- 5-B (Bellingham Bay): Bill High, personal communication, 12/9/63.
- 3-B (Bellingham Bay, east of Eliza Island): Sea Grant, 72035.
- 1-E (east and northeast of Gedney Island):
NMFS, Streeter, 2/21/73.
- 53-S (beach seine: north side of West Point): Sea Grant, 1973.
- 27-S (beach seine: south side of West Point): Sea Grant, 1973.
- 6-CS (beach seine: north of Meadowdale at Lunds Gulch):
Sea Grant, 73002.
- 28-S (off northwest side of West Point): Sea Grant, 1973.
- 24-S (off southwest side of West Point): Sea Grant, 1973.
- 8-S (deep otter trawl: off West Point): Sea Grant, 1973.
- 34-S (north of Meadow Point to Carkeek Park): Sea Grant, 1973.
- 22-S (southwest of Alki Point):
Sea Grant, 1973.
- 10-S (deep otter trawl: off southwest of Alki Point):
Sea Grant, 1973.
- 4-PO (off south of Fletcher Bay):
Sea Grant, 73008.
- 12-S (Duwamish River estuary, 1st Ave. S. to 16th Ave. S. bridge):
Sea Grant, 1973.

Parophrys vetulus

Pleuronectidae

Miscellaneous Logs

- 2-S (Duwamish River estuary, upstream from 16th Ave. S. bridge): Sea Grant, 1973.
- 8-S (Duwamish River estuary, downstream from 1st Ave. S. bridge): Sea Grant, 1973.
- 10-SS (off Nisqually River-McAllister Creek Flats): Sea Grant, 1973.
- 1-SS (McAllister Creek estuary): Sea Grant, 1973.
- 6-HC (off southwest of Big Beef Harbor): Sea Grant, 1973.
- 3-B (Bellingham Bay, off Nooksack River flats): Sea Grant, 73032.
- 9-B (beach seine: Wildcat Cove): Sea Grant, 1973.
- 6-SS (McLane Cove toward Stretch Island): Sea Grant, 1973-74.
- 8-SS (west side of Dougall Point): Sea Grant, 1973.
- 18-SS (mid-channel, McLane Cove to Stretch Island): Sea Grant, 1973-74.
- 13-HC (off Union): Sea Grant, 1973-74.
- 12-HC (mid-channel, off Union): Sea Grant, 1973-74.
- 18-HC (off Skokomish Flats): Sea Grant, 1973-74.
- 9-HC (mid-channel, off Skokomish Flats): Sea Grant, 1973-74.
- 4-HC (beach seine: just north of Vinland): Sea Grant, 73038.
- 1-HC (off Carlson Point to King Spit): Sea Grant, 73039.
- 3-AI (Mutiny Bay): Sea Grant, 73049.
- 1-HC (Bangor Annex): Kramer, Chin, and Mayo NCEL Survey, 1973.
- 1-CS (in Appletree Cove): Doug Olander, Sport Catch Log, 1972-73.
- 9-SS (Cormorant Pass.): Sea Grant, 73059 and 73060.
- 5-SS (Tatsolo Point): Sea Grant, 73059.
- 2-E (Holmes Harbor): NMFS, Cobb 68.



Platichthys stellatus

Pleuronectidae

Published Records

- 1-JF (beach seine: Port Angeles):
Gilbert, 1895.
- 1-PS: Jordan and Starks, 1896.
- 1-AI (Port Ludlow): Starks, 1896b.
- 1-PS: Jordan, 1887.
- 2-AI (Kilisut Harbor; Marrowstone Point):
Evermann and Goldsborough, 1907.
- 1-SJ: Starks, 1911.
- 1-PS: Norman, 1934.
- 1-SJ: Shelford et al., 1935.
- 1-HC (Holly):
Schultz and DeLacy, 1935-36.
- 1-GS: Smith, 1936.
- 9-B (Bellingham Bay): Smith, 1936.
- 4-E (Coupeville): Smith, 1936.
- 1-E (Oak Harbor): Smith, 1936.
- 2-JF (Sequim Bay; Discovery Bay):
Smith, 1936.
- 1-HC (Dabob Bay): Smith, 1936.
- 1-E (Kiket Island):
Stober and Salo, 1970b.
- 2-E (Skagit and Similk Bays):
Stober and Salo, 1970b.
- 1-E (beach seine: Kiket Island):
Stober and Salo, 1970a.
- 5-E (Similk Bay):
Stober and Salo, 1970a.
- 2-E (Skagit Bay):
Stober and Salo, 1970a.
- 16-S (Duwamish River estuary):
Salo, 1969.
- 1-S (Duwamish Head): Salo, 1969.
- 21-E (Port Gardner): Salo, 1969.
- 7-E (Skagit Bay): Salo, 1969.
- 1-SJ (San Juan Island):
Weiss, 1969.
- 1-SJ (Friday Harbor): Lloyd, 1936.
- 50+-B (Bellingham Bay):
DiDonato, 1969.
- 1+-B (Bellingham Bay, north of Eliza Island): Tyler, 1964.
- 5-B (Bellingham Bay):
McArn et al., 1968.
- 2-E (Port Susan; Port Gardner):
McArn et al., 1968.
- 4-CS (beach seine: south side of Point Jefferson): Kendall, 1966.
- 17-S (beach seine: Golden Gardens):
Kendall, 1966.
- 1-S (Shilshole Bay):
Townsend, 1935.
- 1-JF (Dungeness Spit):
Townsend, 1935.
- 1-GS (Semiamoo Bay):
Townsend, 1935.
- 2-CS (Dumas Bay): Miller, 1971b
(also NIH, 71105 and 71106).
- 3-CS (Seahurst County Park):
Miller, 1971a (also boat 7113 and NIH, 71101).
- 50+-E (sport catch: Port Susan, Port Gardner and Saratoga Pass.):
Haw and Buckley, 1971.
- 1-HC (Anderson Cove): Chew, 1970.
- 4-HC (fyke net: Big Beef Harbor):
Anderson and Chew, 1972.
- University of Washington
Museum Collection
- 1-S (Seattle): 837.
- 1-SJ (False Bay): 1088.
- 1-SJ (Davis Bay): 1192.
- 2-S (Alki Point): 1922; 4879.
- 1-SJ (Squaw Bay): 2177.
- 1-S (beach seine: Edmonds): 4387.
- 1-S (beach south of Ballard Locks):
4402.
- 1-CS (Fauntleroy): 4463.
- 4-S (Edmonds Beach):
4474; 5514; 5520; 4911.
- 2-S (North Beach): 4494; 4632.
- 1-S (beach seine: spit near Ballard Locks): 4609.
- 1-E (Snohomish Slough): 4960.
- 1-E (Saratoga Pass., Watsak Point):
5212.
- 1-PO (Agate Pass., north of buoy N4): 5830 (also boat 5020B).
- 1-E (off Mission Bar):
5875 (also boat 5023E).
- 1-CS (mouth of Port Madison): 6084.
- 1-PO (Liberty Bay): 8315.
- 2-SJ (East Sound): 10644; 18669.
- 1-SJ (near False Bay): 10648 (also Friday Harbor Log, 8/4/52-1).
- 1-SJ (Westcott Bay near White Point): 14868.
- 1-CS (beach seine: Cultus Bay):
16619 (also boat 5217).
- 1-JF (slough near Dungeness River mouth): 16912.
- 11-S (beach seine: Golden Gardens):
6005 (also boat 5021A); 5940 (also boat 5032.1A); 5906 (also boat 5032.1C); 5917 (also boat 5032.1E); 3580; 8832 (also boat 5007D); 8894 (also boat 5010A); 10652 (also boat 5108A); 14865 (also boat 5108B); 14866 (also boat 5208B); 14867 (also boat 5209D).
- 1-S (Ballard Locks tidepool): 5113.
- 1-S (Carkeek Park): 6065.
- 1-SJ (Fisherman Bay): 6204.
- 3-S (Golden Gardens):
8274; 8859; 16737.
- 1-S (beach seine: Carkeek Park):
12740 (also boat 5708C).
- 1-HC (beach seine: Quilcene Bay):
14734.
- 1-S (one mile south of Duwamish Head): 16576.
- 1-PO (off Fletcher Bay): 17116.
- 1-SJ (Upright Channel): 17213 (also Friday Harbor log, 7/5/63).
- 1-SJ (mid East Sound): 18644 (also Friday Harbor log, 6/5/64).
- 1-HC (Anderson Creek): 18720.

Platichthys stellatus

Pleuronectidae

Friday Harbor Laboratory Log

- 5-SJ (West Sound):
6/23/51; 6/26/61; 6/27/63-B;
6/20/69-2; 7/6/71-2.
- 10-SJ (East Sound): 6/28/51-2;
8/11/52; 7/6/60-2; 7/26/60;
8/13/60-1; 6/20/61; 5/11/62;
6/20/63; 6/29/71-1; 7/6/71-1.
- 4-SJ (lower East Sound):
7/28/55-2; 8/11/55-3; 6/20/50-2
(also boat 5033I); 6/26/73-1.
- 2-SJ (Garrison Bay):
7/19/51-3; 6/25/55-3.
- 2-B (Bellingham Bay):
7/26/51-2; 6/22/55.
- 1-SJ (Rosario, East Sound):
6/24/52-2.
- 1-SJ (east of Cattle Point):
7/7/52-4.
- 1-SJ (Reid Harbor, Stuart Island):
7/9/52-2 (also boat 5220H).
- 1-SJ (Fish Creek): 7/21/52-1.
- 1-SJ (Roche Harbor): 8/19/52.
- 16-SJ (False Bay): 8/4/52-2;
7/17/50-1; 8/5/60; 6/29/61;
7/26/61; 8/8/61; 6/21/63;
7/1/69-1,6,8,9,10,11,12,14,15.
- 1-SJ (Friday Harbor): 6/21/55-1.
- 1-SJ (East Sound or West Sound):
7/25/55.
- 1-SJ (Ogden Park, Upright Channel):
8/1/55.
- 1-SJ (Trump Island to Decatur Head):
8/11/55-2.
- 14-SJ (Argyle Bay):
8/16/55-1,2,4; 7/15/60-2;
8/11/60-3,4; 6/22/61; 6/23/61;
7/8/61; 7/12/61-3; 7/18/61-2;
8/3/61; 7/15/63; 7/10/69-4.
- 1-SJ (outside False Bay):
8/17/55-2.
- 1-SJ (Johns Island): 7/10/50-2.
- 1-SJ (Satellite Island):
7/10/50-5,6.
- 1-SJ (west of Goose Island):
7/13/50-4.
- 1-SJ (west of Decatur Head):
7/24/50-1.
- 1-SJ (west of Armitage Island):
7/24/50-8.
- 1-SJ (south of Neck Point):
8/14/50-1.
- 1-SJ (West Sound and Lopez Sound):
6/27/60.
- 1-SJ (White Beach): 8/16/60-4.
- 6-SJ (Argyle Lagoon):
7/15/60-3; 8/11/60-1; 7/12/61-2;
7/10/69-2,3; 7/9/73.
- 1-SJ (Friday Harbor Lab): 7/19/60.
- 2-SJ (Squaw Bay):
8/1/60-1; 7/10/61-1.
- 2-SJ (Upright Head to Olga):
8/1/60-2; 7/10/61-2.
- 2-SJ (Mitchell Bay):
8/16/60-1; 7/17/61-2.
- 2-SJ (North Bay): 8/18/60-1,2.
- 1-SJ (McArdle Bay): 8/22/60-3.

- 1-SJ (Smallpox Bay): 7/13/61.
- 1-SJ (Mosquito Pass.): 7/17/61-1.
- 1-SJ (Lopez Sound): 7/28/61.
- 1-SJ (East Sound and Lopez Sound):
7/11/63.
- 1-SJ (Cattle Point): 8/6/61.
- 1-SJ (San Juan Island): 5/62.
- 6-SJ (mid East Sound):
1/17/64; 2/21/64; 4/3/64;
7/11/64; 6/20/69-1; 6/21/71-1.
- 1-SJ (Squaw Bay or West Sound):
6/30/67.
- 1-SJ (Squaw-Ogden): 6/27/69.
- 1-SJ (Upright Head to Foster Point):
6/26/73-2.

University of Washington Boat Log

- 1-SJ (north end of East Sound):
491M.
- 1-SJ (West Sound): 5033L.
- 2-SJ (East Sound): 5033M; 6512I.
- 1-SJ (beach seine: Fisherman Bay):
5033O.
- 1-SJ (Lopez Sound, west of Ram
Island): 5033R.
- 17-SJ (training cruise area: East
Sound, north of Rosario Point):
6507H; 6517H; 6603H; 6614H;
6620H; 6630H; 6717H; 6815H;
6819H; 6908H; 6914H; 7010H;
7017H; 7110H; 7118H; 7307H;
7313H.
- 1-B (east of Point Frances): 491J.
- 2-B (Bellingham Bay): 6715G; 6822G.
- 19-B (training cruise area:
southwest of Post Point):
6507G9; 6517G; 6603G; 6614G;
6620G; 6630G; 6722G; 6826G;
6815G; 6819G; 6908G; 6914G;
7010G; 7017G,G.1; 7110G; 7118G;
7307G; 7313G.
- 1-E (off Mission Beach): 5023F.
- 3-E (Port Susan, off Warm Beach):
5023A,B,C.
- 1-E (Penn Cove mouth, off Long Point
to Snatelum Point): 5213A.
- 4-E (Penn Cove, off Coupeville to
off Lovejoy Point):
5213B,C; 5316J; 5418E.
- 7-E (Holmes Harbor, off Rocky Point
to Dines Point):
5234C; 5307A,B,K,Q,S; 5312I.
- 8-E (Holmes Harbor, off Dines Point
to Classic): 5305C,D; 5307I,J;
5312G,J,K; 5405H.
- 21-E (Holmes Harbor): 5305I; 5307V;
5312M; 5325A,C,D; 5327A,B; 5330A,
M; 5405A,B,C; 5420A,B,C; 5522D,E;
5604I; 5703E,G.
- 16-E (Holmes Harbor, south of
Classic): 5307G,H,M,N,O,P,T;
5312B,C,D,L; 5316D,E,M,N; 5321Y.
- 3-E (beach seine, Good Beach, Penn
Cove): 5316F,G,H.

Platichthys stellatus

Pleuronectidae

University of Washington Boat Log

- 4-E (Saratoga Pass., Onamac Point to Indian Beach): 5321L; 5405L,M,N.
1-E: 5712B.
10-E (Penn Cove): 5405I,J,K; 5420D, E,G; 5509K,L; 5810F; 5327G.
4-E (Elger Bay): 54050,P,Q; 7112.
1-E (Holmes Harbor or Penn Cove): 6117L.
1-E (Saratoga Pass., off Snatelum Point to Onamac Point): 5712C.
1-E (Saratoga Pass., off Cama Beach to Lowell Point): 5712D.
1-E (training cruise area: Saratoga Pass., north of Langley): 7017D.
1-E (training cruise area: off Penn Cove): 7110E.
1-AI (training cruise area: east of north Marrowstone Island): 6603J.
1-HC (off Sister Point): 499G.
1-HC (Anderson Cove): 7009C.
3-HC (Dabob Bay): 7102A,H,O.
6-HC (Dabob Bay, Broad Spit to Long Spit): 7202D,G; 7303A,B,C,D.
1-CS (Port Madison): 7011C.
1-CS (Port Madison, off Miller Bay): 5006C.
1-CS (off Cultus Bay): 5032.
1-CS (head of Quartermaster Harbor): 5042B.
1-CS (mid Quartermaster Harbor): 5042C.
1-CS (beach seine: south of Fay Bainbridge State Park): 5806A.
1-CS (Murden Cove): 4/4/73B.
1-PO (south part of Agate Pass.): 5011C.
2-PO (Agate Pass., buoy N4-N6): 5106E; 5315C.
53-PO (off Fletcher Bay to south of Battle Point and Brownsville): 5206B; 5207D,E; 5301A,B; 6202.5; 5302BB; 5306A; 5309A; 5323A; 5404.1; 5410; 5422A; 5504; 5507; 5602B; 5707A,B,G,H; 5709C; 5711A; 5809A; 5901AK; 5904A,B,C; 5905A; 5906A; 5907A; 5912A; 5915B; 5919B; 5922A; 5924B; 6001AN; 6003A; 6006A,B; 6008A; 6011A; 6016A1,B1,A2,B2,B3,A4,B5; 6101A; 6109A; 6111A; 6205D1,2.
8-PO (off Fletcher Bay): 6320C; 6403AF; 6425; 6427A; 6504; 6504.5; 6507K; 6707.
5-PO (off south of Fletcher Bay): 5229C; 5503B; 5801A; 6016B4; 6118A.
1-PO (off Battle Point and north): 5310.1A.
8-PO (off Manzanita to Seabold): 5310.2A,B,D,.4A,.5B,E; 6215A,B.
1-PO (in Manzanita Bay): 5310.3C.
1-PO (beach seine: south of Agate Pass. Bridge, probably west side): 5315A.
4-PO ("B-2" to "B-1"): 5526A; 6205C1,C2,C3.
22-PO (most off Fletcher Bay): 5812B; 5926B; 6002A; 6007A,B; 6009A; 6713E; 6214; 6305.2; 6419; 6515-2; 6713A; 6715; 6916D; 7011A,B; 7104-1; 7105-1,2; 7107A, B; 7302A.
4-PO (beach seine: one mile north of Illahee Dock): 6205A1.1,1.2,2.1,3.2.
1-PO (Brownsville to White Point): 6806A.
1-PO (off Seabold Wharf): 6617A.
228-S (beach seine: Golden Gardens to Meadow Point): 492E; 5001; 5010B,C; 5012B; 5013; 5015A,B; 5016A,C,D; 5018A; 5019B,C; 5021F, H; 5024A; 5030B; 5036A; 5040A; 5047A,B,C; 5105A; 5108C; 5110H; 5112F; 5114A,B,C,D; 5116B,C1,C2, D2,E,F; 5129B; 5134A,B; 5137A,B; 5208D; 5209A,B,C; 5214A1,A2,B,C, D1,D2,E,F1,F2; 5215U,A,C,E,G,H,I, J,L,N; 5308A,B; 5314D; 5320A; 5322A; 5328A; 5329E; 5404A; 5406; 5407; 5409; 5411A,B,C; 5412A,B,C, D,E; 5414A,D,F; 5415A,D,F,I,J,M, B,G,K,P; 5419; 5424A,B; 5505A,B, C,D,E,F; 5508A,C,D; 5510A,B,E,F; 5513B,C,D; 5514A,B,C,D; 5609A,B; 5612A; 5706A,B,C; 5710A,B,C; 5804A,B; 5807A; 5909C,D,E; 5913A, B; 5914A,B,C; 5920L,M,N; 5925A,B; 6014A,B,C; 6019A,B; 6110; 6113A, B,C; 6115A,B; 6116A,B,C; 6207A,B, C; 6210C; 6211; 17-6309; 13-6310; 6311B,C; 6319; 6410A,C; 6411A; 6-6417; 6508A,C,D; 6509A; 6511A, C,D; 6513A; 6518A,B; 6708A,C; 6709A,B,C; 6711A2,B2,C2; 6716A; 7209A,B,D.
1-S (beach seine: north side of Meadow Point): 6513B.
10-S (beach seine: Alki Point to Duwamish Head): 10-6619.
19-S (beach seine: Carkeek Park): 5022A; 5219A,B; 5220A,C; 5221A,B, C; 5225B; 5231A; 5311A,B; 5313A, B,C,D; 5708D; 5808A,B.
9-S (off Golden Gardens to Meadow Point): 5110F; 5329A,D; 5907C; 5924C; 6010B,D; 6018A; 6206A.
2-S (1/2 mile west of Duwamish Head): 6615A,B.
7-S (beach seine: north side of West Point): 7310A2,A3,B1,B2,B3; 7311A,C.
1-SS (beach seine: mainland opposite Stretch Island): 7/20/49-2.
24-SS (Carr Inlet, off Minter Creek to Elgin): 7/19/49-1; 5045D,E, EE,G,J; 5046C; 5101C; 5102C; 5104V; 5126D,F; 5133F; 5135A,B,D; 5201G,P; 5213F; 5227D,E,F,G,I.

Platichthys stellatus

Pleuronectidae

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- 1-SS (Carr Inlet, east side of Cutts Island): 5037F.
- 9-SS (Carr Inlet, off Wauna): 5037I; 5045I; 5101A; 5104E,F,W; 5126L; 5227A,C.
- 15-SS (Carr Inlet, off Glen Cove to off Raft and Cutts Islands): 5045A,B,C; 5101E; 5104AA; 5126M; 5201A; 5204B,D,M,N; 5227B; 5613G, H,I.
- 3-SS (Oakland Bay, off Shelton): 5115A,B,C.
- 2-SS (Totten Inlet, off Windy Point to Steamboat Island): 5115D; 5204I.
- 1-SS (trap, Eld Inlet, one mile northeast of Flapjack Point): 5115E.
- 1-SS (beach seine: Carr Inlet, one mile north of Minter Creek): 5126E.
- 1-SS (Case Inlet, off Victor): 5126G.
- 1-SS (Case Inlet, west of Herron Island): 5126H.
- 1-SS (off McLane Cove to Stretch Island): 5201L.
- 1-SS (Dana Pass., Brisco Point to Dofflemeyer Point): 5204H.
- 1-SS (northwest end of Nisqually Reach): 5204J.
- 1-SS (beach seine: Carr Inlet, just south of Minter Creek): 5227H.
- 7-SS (Carr Inlet): 5522A; 5605A,B,D; 5703A,C,D.
- 3-SS (Case Inlet): 5613J,K,L.
- 1-SS (Carr Inlet, Glenn Cove to Green Point): 6724B-2.
- 1-SS (Case Inlet, east of Hartstene Island): 6724C.
- Miscellaneous Logs
- 50+-AI (Port Gamble): Bill High, Diving, personal communication, 10/22/63.
- 3-AI (Hadlock): Bill High, Diving, personal communication, 10/22/63.
- 13-B (Bellingham Bay): FRI, Tyler Data Sheets, 1965.
- 1-SJ (East Sound): A.C. DeLacy, personal communication, 6/20/69.
- 4-S (West Point to Magnolia): Metro, 1963-70.
- 10+-S (beach seine: Duwamish River estuary): Metro, 1963-70.
- 238-S (Duwamish River estuary): Metro, 1966-70.
- 1-E (Skagit and Similk Bay): WSDF, Sport Fish., 1965-70.
- 3-E (Everett): WSDF, Sport Fish., 1965-70.
- 3-HC: WSDF, Sport Fish., 1965-70.
- 18-S (Duwamish Head to Alki Point): U.W. Ocean., 1964-67.
- 50+-E (Port Gardner Bay): U.W. Ocean., P.G., 1962-67.
- 50+-PO (south of Fletcher Bay): U.W. Ocean., P.O., 1964-65.
- 30-S (Golden Gardens to Meadow Point): U.W. Ocean., Hoh, 1963-68.
- 18-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
- 24-SS (Case Inlet, off Taylor Bay to off Whiteman Cove): U.W. Ocean., Hoh, 1963-67.
- 6-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
- 1-CS (Port Madison): U.W. Ocean., Hoh, 1963-68.
- 21-E (Port Gardner Bay): U.W. Ocean., Hoh, 1963-68.
- 14-E (Port Susan): U.W. Ocean., Hoh, 1963-68.
- 16-E (Penn Cove): U.W. Ocean., Hoh, 1963-68.
- 14-E (off Demock Point to Utsalady Point): U.W. Ocean., Hoh, 1963-67.
- 5-E (Saratoga Pass., Demock Point): U.W. Ocean., Hoh, 1963-67.
- 11-E (Holmes Harbor): U.W. Ocean., Hoh, 1963-67.
- 1-SS (Case Inlet, Taylor Bay to Whiteman Cove): U.W. Ocean., Commando, 1968.
- 1-PO: U.W. Ocean., Commando, 1968.
- 1-E (Port Susan): U.W. Ocean., herring trawl, 1968-69.
- 5-PO (south of Fletcher Bay): U.W. Ocean., herring trawl, 1968-69.
- 2-AI (Useless Bay): U.W. Ocean., Hoh, S.J., 1966.
- 1-AI (Port Townsend Bay): U.W. Ocean., Hoh, S.J., 1966.
- 2-B (Samish Bay; Bellingham Bay): U.W. Ocean., Hoh, S.J., 1966.
- 2-SJ (East Sound): U.W. Ocean., Hoh, S.J., 1966.
- 8-E (Penn Cove): U.W. Ocean., Hoh, S.J., 1966.
- 3-E (Utsalady): U.W. Ocean., Hoh, S.J., 1966.
- 3-E (Port Susan): U.W. Ocean., Hoh, S.J., 1966.
- 4-E (Port Gardner Bay): U.W. Ocean., Hoh, S.J., 1966.
- 3-E (Holmes Harbor): U.W. Ocean., Hoh, 1963-67.
- 3-SS (Case Inlet): WSDF, Commercial Catch Comp., 1966-71.
- 1-B (west of Lummi Island): WSDF, Commercial Catch Comp., 1966-71.
- 5+-SJ (Sucia Island): Allyn Johnson, Sport Catch, 1972.
- 4-AI (east of Port Townsend): NMFS, Cobb 35.
- 1-B (Eliza Island): NMFS, Cobb 68.
- 1-SS (Carr Inlet, off north of Glen Cove): NMFS, Cobb 72.

Platichthys stellatus

Pleuronectidae

Miscellaneous Logs

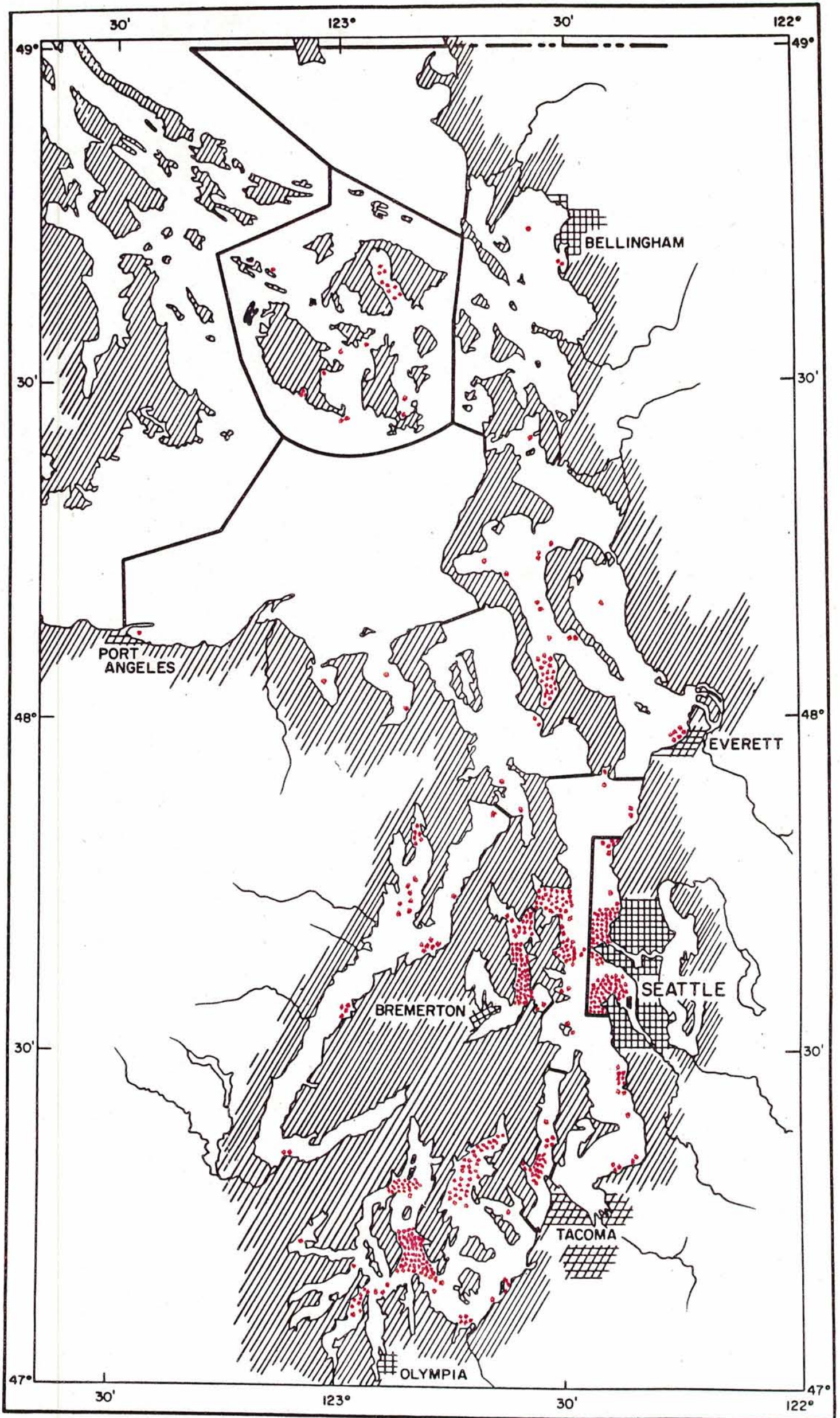
- 23-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
- 3-SJ (East Sound): NIH, 1968-71.
- 2-SJ (Argyle Spit): NIH, 1968-71.
- 3-SJ (False Bay): NIH, 1968-71.
- 19-B (Bellingham Bay, off mouth of Nooksack River to Marine Drive): NIH, 1968-71.
- 41-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
- 1-PO (Clam Bay): NIH, 1968-71.
- 2-SS (Case Inlet, Stretch Island to Herron Island): NIH, 1968-71.
- 2-SS (Henderson Inlet; Budd Inlet): NIH, 1968-71.
- 1-SS (entrance to Eld Inlet): Van Cleve, trap, 1961-65.
- 3-E (Holmes Harbor): Van Cleve, trap, 1961-65.
- 2-E (west side of Saratoga Pass, just south of Penn Cove; Penn Cove): Van Cleve, trap, 1961-65.
- 2+-AI (off Port Gamble): Bill High, Diving, personal communication, 8/2/71.
- 1-AI (south side of Point Wilson): Bill High, Diving, personal communication, 8/2/71.
- 1-JF (north side of Point Wilson): Bill High, Diving, personal communication, 8/2/71.
- 5-JF (beach seine: Dungeness embayment): Peninsula College, 1971.
- 4-JF (beach seine: Port Angeles embayment): Peninsula College, 1971.
- 1-JF (Sequim Bay): Battelle, 1967-69.
- 20-GS (tow area 1, mouth of Boundary Bay): WSDF, Gulf Georgia, 1969-71.
- 19-GS (tow area 2, off Birch Bay): WSDF, Gulf Georgia, 1969-71.
- 1-SJ (Waldron Island): Bruce Miller, Diving Log, 8/23/65.
- 9-GS (tow area 3, off Cherry Point): WSDF, Gulf Georgia, 1969-71.
- 3-GS (tow area 4, off north of Neptune Beach): WSDF, Gulf Georgia, 1969-71.
- 4-GS (tow area 6, southeast of Point Roberts): WSDF, Gulf Georgia, 1969-71.
- 1-GS (tow area 7, mid-channel): WSDF, Gulf Georgia, 1969-71.
- 2-GS (tow area 8, mid-channel): WSDF, Gulf Georgia, 1969-71.
- 1-GS (tow area 9, mid-channel): WSDF, Gulf Georgia, 1969-71.
- 1-SJ (Friday Harbor): Bruce Miller, Diving Log, 6/63.
- 1-SJ (East Sound): Bruce Miller, Diving Log, 6/26/66.
- 3-S (Alki Point; Golden Gardens; Carkeek Park): S.L. Ralston, Diving Log, 1971.
- 5-CP (beach seine: Gig Harbor Spit): Sea Grant, 72003 (also boat 7208).
- 1-GS (beach seine: south of Cherry Point): Sea Grant, 72008.
- 4-GS (south of Cherry Point): Sea Grant, 1972.
- 8-S (Duwamish River estuary, 16th Ave. S. bridge to 1st Ave. S. bridge): Sea Grant, 1972.
- 2-B (northern Bellingham Bay): Sea Grant, 72004.
- 1-CS (hand net: one mile south of Fay Bainbridge State Park): Sea Grant, 72012.
- 4-AI (beach seine: Mutiny Bay launch ramp): Sea Grant, 1972.
- 1-PO (beach seine: Dyes Inlet at Tracyton launch ramp): Sea Grant, 72018.
- 7-SS (beach seine: Nisqually Head): Sea Grant, 1972.
- 6-S (beach seine: Golden Gardens): Sea Grant, 1972.
- 1-HC (off Big Beef Harbor): Sea Grant, 72026.
- 1-HC (beach seine: below and above bridge at Big Beef Harbor): Sea Grant, 72028.
- 1-B (beach seine: Wildcat Cove): Sea Grant, 72029.
- 1-SS (off Nisqually River-McAllister Creek Flats): Sea Grant, 72034.
- 3-B (Bellingham Bay, mid-channel off Nooksack River Flats): Sea Grant, 72035.
- 35-S (beach seine: north side of West Point): Sea Grant, 1973.
- 26-S (beach seine: south side of West Point): Sea Grant, 1973.
- 3-CS (beach seine: north of Meadowdale at Lunds Gulch): Sea Grant, 73002.
- 1-S (off northwest side of West Point): Sea Grant, 1973.
- 5-S (north of Meadow Point to Carkeek Park): Sea Grant, 1973.
- 4-PO (off south of Fletcher Bay): Sea Grant, 73008.
- 12-S (Duwamish River estuary, 1st to 16th Ave. S. bridge): Sea Grant, 1973.
- 3-S (Duwamish River estuary, upstream from 16th Ave. S. bridge): Sea Grant, 1973.
- 2-S (Duwamish River estuary, downstream from 1st Ave. S. bridge): Sea Grant, 1973.
- 9-SS (McAllister Creek estuary): Sea Grant, 1973.
- 2-HC (off southwest of Big Beef Harbor): Sea Grant, 1973.

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Pleuronectidae

Miscellaneous Logs

- 1-AI (Mutiny Bay):
Sea Grant, 73049.
- 3-HC (beach seine: above bridge at
Big Beef Creek):
Sea Grant, 1973.
- 3-B (off Nooksack Flats):
Sea Grant, 73032.
- 7-B (beach seine: Wildcat Cove):
Sea Grant, 1973.
- 1-SS (north of Stretch Island
bridge): Steve Borton, personal
communication, 4/12/73.
- 1-SS (mid-channel, McLane Cove to
Stretch Island): Sea Grant, 1974.
- 15-HC (off Union):
Sea Grant, 1973-74.
- 19-HC (off Skokomish Flats):
Sea Grant, 1973-74.
- 3-HC (beach seine: north of
Vinland): Sea Grant, 73038.
- 1-HC (beach seine: Bangor Annex):
Kramer, Chin and Mayo NCEL
Survey, 1973.



Pleuronichthys coenosus

Pleuronectidae

Published Records

- 1-PS: Jordan and Gilbert, 1882.
 1-CS (Port Madison): Jordan, 1887.
 1-SJ: Starks, 1911.
 1-SJ (San Juan Channel, Friday Harbor):
 Wismer and Swanson, 1935.
 1-SJ: Norman, 1934.
 1-SJ: Starks and Thompson, 1911.
 1-HC (Holly):
 Schultz and DeLacy, 1935-36.
 1-B (Bellingham Bay): Smith, 1936.
 1-E (Coupeville): Smith, 1936.
 1-JF (Sequim Bay):
 Smith, 1936 (also museum 3886).
 1-AI (Port Gamble): Smith, 1936.
 2-HC (Bangor; Dabob): Smith, 1936.
 1-SS (Hale Pass.): Smith, 1936.
 1-E (Kiket Island):
 Stober and Salo, 1970b.
 41-S (Duwamish Head): Salo, 1969.
 2-CS (beach seine: south side of Point Jefferson): Kendall, 1966.
 2-S (beach seine: Golden Gardens): Kendall, 1966.
 1-S (Seattle Harbor):
 Townsend, 1935.
 2-E (Saratoga Pass.; Holmes Harbor):
 Townsend, 1935.
 3-CS (Dumas Bay): Miller, 1971b (also NIH 71105 and 71106).
 7-CS (Seahurst County Park):
 Miller, 1971a (also boat 7113 and NIH 71101).
 2-HC (Anderson Cove): Chew, 1970.
 206-PO (south of Fletcher Bay):
 Cooney, 1967 (also U.W. Ocean., P.O., 1964-65).

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Museum Collection

- 6-S (Alki Point):
 803; 870; 1922; 3694; 4880; 4905.
 2-S (Bellingham Bay, south end of Chuckanut Island): 3840; 3866.
 1-S (beach seine: Alki Point):
 4517.
 1-S (beach seine: spit near Ballard Locks): 4610.
 3-S (North Beach):
 4633; 5224; 5385.
 1-CS (beach seine: Redondo Beach):
 4732.
 1-CS (Indianola, Port Madison):
 6126.
 2-S (beach seine: Golden Gardens):
 6009 (also boat 5021F); 10375.
 1-S (Carkeek Park):
 6000 (also boat 5022B).
 4-S (Edmonds Beach):
 4920; 5487; 5508; 5521.
 1-CS (Redondo Beach): 5126.
 1-CS (beach seine: Cultus Bay):
 16618 (also boat 5217A).
 1-S (Ballard): 16722.

- 1-S (off Golden Gardens): 16725.
 1-PO: 16844.
 2-S (Golden Gardens): 16847; 16929.

Friday Harbor Laboratory Log

- 1-SJ (Reef Bay, northeast side Johns Island): 7/5/51-1.
 1-SJ (east of Cattle Point):
 7/7/52-4.
 1-SJ (Mud Bay): 8/15/55-3.
 3-SJ (False Bay):
 8/5/60; 6/29/61; 6/21/63.
 1-SJ (Argyle Bay): 7/15/63.
 1-SJ (mid East Sound): 1/17/64.
 1-SJ (Cattle Point): 6/23/67-1.
 1-SJ (Squaw Bay or Ogden Park):
 6/27/69.

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- 3-SJ (training cruise area: East Sound, north of Rosario Point):
 6603H; 6620H; 7118H.
 1-SJ (training cruise area: Lopez Sound, southwest of Center Island): 7118I.
 1-E (Port Susan, off Warm Beach):
 5023A.
 5-E (off Dines Point to Classic):
 5305C,D; 5307I,J; 5312K.
 6-E (Holmes Harbor):
 5305M; 5307V; 5604D,E,H,I.
 3-E (Holmes Harbor, off Rocky Point to Dines Point): 5307A,B,Q.
 2-E (Holmes Harbor, south of Classic): 5307M,N.
 2-E (Saratoga Pass., off Onamac Point to Indian Beach): 5405M,N.
 2-E (Elger Bay): 5405O,P.
 1-AI (off White Rock): 499K.
 1-HC (Shine ferry crossing):
 12/28/48-1.
 1-HC (Dabob Bay, off Tabook Point):
 499I.
 6-HC (Dabob Bay, Broad Spit to Long Spit):
 6629D; 6702D; 7202D,G,H,I.
 1-HC (Anderson Cove): 7009C.
 5-HC (Dabob Bay): 7102E,G,K,N,O.
 13-CS (Port Madison): 1/22/49-2,4,
 5; 2/5/49-1; 2/22/49-1;
 3/25/49-3; 6/30/49; 492A; 5006C;
 5043A; 5131B; 6203A; 6204B.
 2-CS (off Port Madison):
 5006E; 5043C.
 1-CS (off Cultus Bay): 5032A.
 1-CS (north of Des Moines): 5224A.
 1-CS (off Agate Pass., Port Madison): 5232A.
 1-CS (off Fay Bainbridge State Park): 5805A.
 2-CS (beach seine: south of Fay Bainbridge State Park): 5806A,B.

Pleuronichthys coenosus

Pleuronectidae

University of Washington Boat Log

- 26-CS (Murden Ccve):
6610A,C,D; 6613A,B; 6706B; 6710A;
6713C,G,H; 6806B; 6809A; 6812B,C;
6823-3; 6906A,B,C,D,E; 6912;
7108A,B,C,D; 7308A.
- 1-CS (off Murder Cove): 6710A2.
1-CS (trap: Port Madison): 6213.
1-CS (trap: Blake Island): 6217-4.
1-CS (training cruise area: mid-channel Skiff Point to West Point): 6914B.
- 9-PO (Agate Pass., buoy N4-N6):
2/22/49-3; 3/25/49-3; 5006A;
5048A; 5106E; 5131A; 5132C;
5206A; 5310.5F.
- 4-PO (south part of Agate Pass.):
495C; 4910B; 5011C; 5207G.
- 1-PO (north of buoy N4): 5020B.
- 30-PO (off Fletcher Bay to south of Battle Point and Brownsville):
5223B; 5226B; 5228E; 5232C;
5235P; 5236C,D; 5301A,D; 5310.3B;
5323A; 5422A,B; 5707A,G; 5919A;
5924B; 5932B; 6008A; 6015A;
6016A1,B1,A2,A3,A4; 6021A; 6109A;
6111A,B; 6205D2.
- 4-PO ("B-2" to "B-1"):
5236F; 6205C1,C2,C3.
- 4-PO (off Battle Point and north):
5309B; 5310.1A; 5422F,G.
- 7-PO (off Manzanita to off Seabold):
5310.1D,.2D,.4A,.4B,.5B,.5E;
6215B.
- 2-PO (Point Bolin to Keyport):
5310.4D,.4E.
- 2-PO (off south of Fletcher Bay):
5711C; 6118A.
- 8-PO (most off Fletcher Bay):
6203B,C,D; 6713A,B,E,F; 7313X.
- 6-PO (beach seine: one mile north of Illahee Dock):
6205A1.1,1.2,2.1,2.2,3.1,3.2.
- 1-PO (off Seabold Wharf): 6617A.
- 46-S (off Golden Gardens to Meadow Point): 4/2/49-2; 4/16/49-2,5;
495D; 496C; 497E; 498A; 5008B;
5009K; 5011D; 5014C; 5017D,F;
5028B; 5034A; 5110B,E,F; 5112C;
5119C,D,H; 5132A,B; 5203C,D;
5233C; 5512F,G; 5521A; 5607A,B;
5704E; 5707J; 5907B,C; 5911A;
5920E; 6010B,D; 6112A,C; 6206A,B;
6506A,C.
- 11-S (off Meadow Point to Carkeek Park):
4/16/49-3; 5211A,B; 5212B,D,E;
5233A; 6022C; 6510A; 7120A,B.
- 1-S (1/2 mile west of Duwamish Head): 6615A.
- 1-S (Meadow Point to Richmond Beach): 6429A.
- 109-S (beach seine: Golden Gardens to Meadow Point):
5007D; 5012B,C; 5015A; 5016A,B,D;
5018A; 5021A,G; 5024C,D; 5030B;
5032.1A,C; 5036A; 5047A,B,C;
- 5108C; 5114A,B; 5116A,B,C1;
5119F; 5127C; 5129B; 5134A,B;
5137A,B; 5208A,D; 5209A,D; 5214A,
B1,B2,F1,F2; 5215A,B,C,D,F,K,L;
5308B; 5322A; 5328A; 5404A; 5406;
5407; 5412A; 5417A; 5424B; 5508C;
5609B; 5612A; 5706C; 5804A;
5807B; 5913B; 5920K; 6019A; 6110;
6113B; 6116A; 6207A,C; 6210C;
6211; 5-6309; 7-6310; 6311C;
6319; 6411A,B; 3-6417; 6508A,D;
6509A,B,C,D; 6511D; 6513A; 6518A,
B; 6708A; 6711A2,C2; 6716A,B;
6721A-2; 7209B.
- 17-S (beach seine: Carkeek Park):
5022A,C; 5219A,B; 5220A,C; 5221B,
C; 5225B; 5231A; 5311A,B; 5313C;
5708A,B; 5808A,B.
- 1-S (off Edmonds): 6119U.
- 3-S (beach seine: Alki Point to Duwamish Head): 6619D,E,R.
- 1-S (off West Point): 6721A-2.
- 1-S (Meadow Point): 6414A.
- 1-S (beach seine: north side of West Point): 7311A.
- 1-CP (off Point Sandford): 7/18/49.
- 1-CP (south end of West Pass.):
7/21/49-1.
- 4-CP (off Camp Sealth):
5009E,F; 5104CC,DD.
- 2-SS (off McLane Cove to Stretch Island): 7/20/49-3; 5201L.
- 1-SS (off mouth of Budd Inlet):
7/20/49-4.
- 3-SS (northwest end of Nisqually Reach): 5009I; 7/20/49-5; 5204G.
- 1-SS (north end of Pickering Pass.):
5009H.
- 1-SS (beach seine: Carr Inlet, west side of Cutts Island): 5037E.
- 9-SS (off Glen Cove to off Raft and Cutts Islands, Carr Inlet):
5037G; 5045B; 5101E; 5104K,L,M,N,
O,AA.
- 5-SS (Carr Inlet, off Wauna):
5037I; 5045I; 5101A; 5104E;
5227C.
- 1-SS (Oakland Bay, off Shelton):
5115C.
- 6-SS (Carr Inlet, off Minter Creek to Elgin): 5102C; 5104D; 5133J;
5135D; 5227D,E.
- 1-SS (Totten Inlet, off Windy Point to Steamboat Island): 5115D.
- 1-SS (Dana Pass., off Unsal Point):
5201J.
- 1-SS (Dana Pass., Brisco Point to Dofflemeyer Point): 5204H.
- 1-SS (Carr Inlet): 5522C.
- 2-SS (Eld Inlet, trap, one mile northeast of Flapjack Point):
6208A; 6219-1.

Miscellaneous Logs

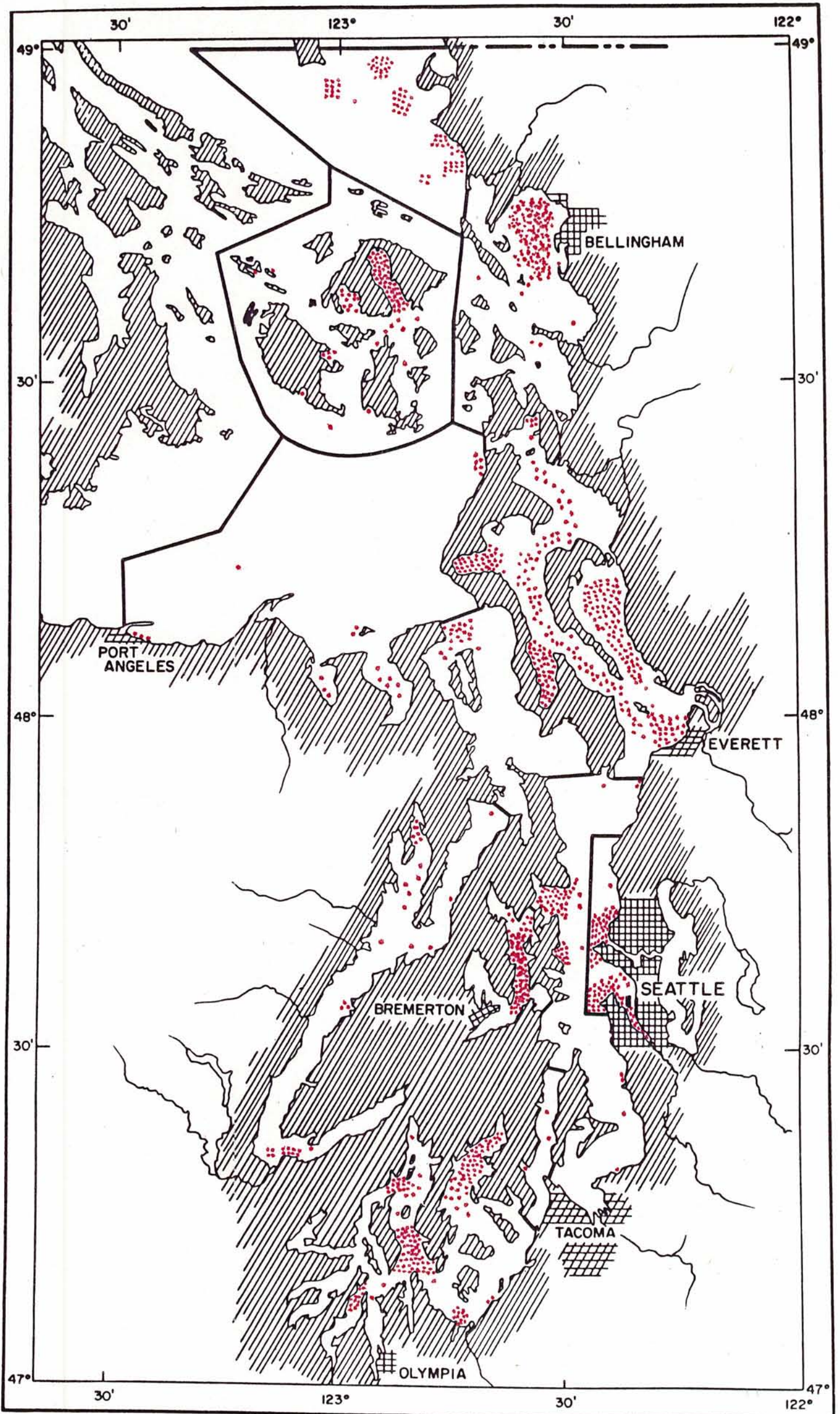
- 1-HC: WSDF, Sport Fish., 1965-70.

Pleuronichthys coenosus

Pleuronectidae

Miscellaneous Logs

- 50+-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
- 6-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
- 50+-S (Golden Gardens to Meadow Point):
U.W. Ocean., Hoh, 1963-68.
- 46-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
- 50+-SS (Case Inlet, off Taylor Bay to off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
- 10+-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
- 41-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
- 1-CS (Norma Beach):
U.W. Ocean., Hoh, 1963-68.
- 2-E (Saratoga Pass., off Demock Point):
U.W. Ocean., Hoh, 1963-67.
- 1-E (off Demock Point to off Utsalady Point):
U.W. Ocean., Hoh, 1963-67.
- 7-E (Holmes Harbor):
U.W. Ocean., Hoh, 1963-67.
- 1-JF (Discovery Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 1-E (Holmes Harbor):
U.W. Ocean., Hoh, S.J., 1966.
- 1-SS (Case Inlet): WSDf, Commercial Catch Comp., 1969-70.
- 4-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
- 66-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
- 2-S (Duwamish Head to Alki Point): NIH, 1968-71.
- 1-PO (off Fletcher Bay): NIH, 1968-71.
- 2-PO (Clam Bay): NIH, 1968-71.
- 1-SS (Case Inlet, Stretch Island to Herron Island): NIH, 1968-71.
- 9-CS (Port Madison):
Van Cleve, trap, 1961-65.
- 3-PO (off Fletcher Bay):
Van Cleve, trap, 1961-65.
- 1-S (off Edmonds):
Van Cleve, trap, 1961-65.
- 1-CS (Blake Island):
Van Cleve, trap, 1961-65.
- 8-SS (entrance to Eld Inlet):
Van Cleve, trap, 1961-65.
- 1-E (Saratoga Pass., west side just south of Penn Cove):
Van Cleve, trap, 1961-65.
- 1-SS (Case Inlet):
Van Cleve, trap, 1961-65.
- 1-JF (beach seine: Port Angeles embayment):
Peninsula College, 1971.
- 1-JF (lower Discovery Bay):
Sea Grant, 71111.
- 1-SJ (East Sound): Bruce Miller, Diving Log, 9/9/65.
- 2-CS (Three-Tree Point):
Bruce Miller, Diving Log, 2/3/67; 5/10/68.
- 2-S (Alki Beach): Bruce Miller, Diving Log, 6/16/67; 5/17/68.
- 2-CS (Port Blakely): Bruce Miller, Diving Log, 5/24/68; 7/12/68.
- 1-S (Golden Gardens): Bruce Miller, Diving Log, 12/4/68.
- 1-S (south of Carkeek Park):
Sea Grant, 3/17/71.
- 13-CP (beach seine: Gig Harbor Spit): Sea Grant, 72003 (also boat 7208).
- 5-CP (off Gig Harbor Spit): Sea Grant, 72003 (also boat 7208).
- 3-CP (in Gig Harbor): Sea Grant, 72003 (also boat 7208).
- 1-S (beach seine: Golden Gardens):
Sea Grant, 72023.
- 1-CP (off Gig Harbor Spit):
Sea Grant, 72025.
- 2-HC (off Big Beef Harbor):
Sea Grant, 1972.
- 4-S (beach seine: north side of West Point): Sea Grant, 1973.
- 1-CS (beach seine: north of Meadowdale at Lunds Gulch):
Sea Grant, 73002.
- 8-S (off northwest side of West Point): Sea Grant, 1973.
- 8-S (off southwest side of West Point): Sea Grant, 1973.
- 9-S (north of Meadow Point to Carkeek Park): Sea Grant, 1973.
- 14-S (southwest of Alki Point):
Sea Grant, 1973.
- 5-SS (off Nisqually River-McAllister Creek Flats): Sea Grant, 1973.
- 4-HC (off southwest of Big Beef Harbor): Sea Grant, 1973.
- 13-SS (McLane Cove toward Stretch Island): Sea Grant, 1973-74.
- 5-SS (west side of Dougall Point):
Sea Grant, 1973-74.
- 14-SS (mid-channel, McLane Cove to Stretch Island):
Sea Grant, 1973-74.
- 2-HC (off Union):
Sea Grant, 1973-74.
- 2-AI (Mutiny Bay):
Sea Grant, 73049.
- 3-SS (Cormorant Pass.):
Sea Grant, 73059 and 73060.
- 1-SS (Tatsolo Point):
Sea Grant, 73059.



Psettichthys melanostictus

Pleuronectidae

Published Records

- 1-PS: Jordan and Gilbert, 1882.
 1-S (Seattle):
 Evermann and Goldsborough, 1907.
 1-AI (Marrowstone Point):
 Evermann and Goldsborough, 1907.
 1-SJ: Starks, 1911.
 1-SJ: Shelford et al., 1935.
 1-JF (Sequim Bay): Smith, 1936.
 3-GS: Smith, 1936.
 10-B (Bellingham Bay): Smith, 1936.
 1-B (Bellingham Bay, south end of
 Chuckanut Island):
 Smith, 1936 (also museum 3836).
 4-E (Coupeville): Smith, 1936.
 1-AI (Port Townsend): Smith, 1936.
 2-HC (Bangor; Dabob Bay):
 Smith, 1936.
 3-SJ (Upright Channel; Obstruction
 Island; East Sound):
 Smith, 1937.
 1-SS (Dofflemeyer Point):
 Smith, 1937.
 1-JF (mid-channel, northwest of
 Dungeness Spit): Greenwood, 1957
 (also NMFS, Cobb 25).
 1-E (Kiket Island):
 Stober and Salo, 1970_b.
 1-E (Skagit and Similk Bays):
 Stober and Salo, 1970_b.
 5-E (Similk Bay):
 Stober and Salo, 1970_a.
 2-E (Skagit Bay):
 Stober and Salo, 1970_a.
 19-S (Duwamish Head): Salo, 1969.
 20-E (Port Gardner Bay):
 Salo, 1969.
 10-E (Skagit Bay): Salo, 1969.
 22-SJ (East Sound): Sommani, 1969.
 1-S (Golden Gardens):
 Sommani, 1969.
 50+-B (Bellingham Bay):
 DiDonato, 1969.
 1-B (Bellingham Bay):
 McArn et al., 1968.
 2-E (Port Susan):
 McArn et al., 1968.
 10-S (beach seine: Golden Gardens):
 Kendall, 1966.
 4-CS (beach seine: south side of
 Point Jefferson): Kendall, 1966.
 1-S (Seattle Harbor):
 Townsend, 1935.
 2-SJ (Orcas Island; Lopez Island):
 Townsend, 1935.
 1-CS (Dumas Bay): Miller, 1971_b
 (also NIH 71105 and 71106).
 2-CS (Seahurst County Park):
 Miller, 1971_a (also boat 7113 and
 NIH 71101).
 50+-E (Saratoga Pass.; Port Susan;
 Port Gardner Bay; sport catch):
 Haw and Buckley, 1971.
 2-HC (Anderson Cove): Chew, 1970.

University of Washington
Museum Collection

- 1-SJ (Davis Bay): 1195.
 1-SJ (San Juan Island): 1428.
 4-S (Alki Point):
 1443; 3570; 4896; 10655.
 2-SJ (West Sound): 2242; 2524.
 4-SJ (East Sound):
 2280; 6071; 17067 (also Friday
 Harbor Log, 6/20/63); 18657.
 3-SJ (East Sound, south of Rosario
 Point): 18658; 18719; 19567 (all
 also NIH 1964-66).
 1-SJ (mid East Sound): 18659 (also
 Friday Harbor Log, 4/3/64).
 1-SJ (Friday Harbor): 2521.
 1-SJ (Friday Harbor night light):
 10651.
 1-B (eight miles south of
 Bellingham): 3429.
 1-B (south end of Bellingham Bay):
 3524.
 2-S (Edmonds): 4924; 5518.
 1-S (North Beach): 5037.
 1-E (Saratoga Pass., Watsak Point):
 5214.
 1-S (south of Richmond Beach):
 5347.
 1-E (Port Susan, off Warm Beach):
 5956 (also boat 5023B).
 1-E (off Mission Bar):
 5874 (also boat 5023E).
 1-SS (Carr Inlet): same collection:
 8284, 8285, 8286 and 8287.
 1-S (Golden Gardens): 16928.
 1-B and E (tagged in Bellingham Bay,
 recovered at Coupeville): 4603.

Friday Harbor Laboratory Log

- 5-SJ (West Sound): 6/23/51;
 7/9/52-3 (also boat 5220I);
 6/26/61; 6/20/69-2; 7/6/71-2.
 1-SJ (Upright Head): 6/28/51-1.
 1-SJ (Lopez Sound, Spencer Spit):
 6/28/51-3.
 1-B (Bellingham Bay): 6/22/55.
 1-B (Bellingham Bay, south of Eliza
 Island): 8/8/55-1.
 1-SJ (south of Orcas Island):
 6/24/52.
 1-SJ (Reid Harbor, Stuart Island):
 7/9/52-2 (also boat 5220H).
 1-SJ (west of Salmon Banks, three
 fathoms): 7/22/52-2.
 8-SJ (East Sound):
 8/11/52; 7/6/60-2; 7/26/60;
 8/13/60-1; 6/20/61; 5/11/62;
 6/29/71-1; 7/6/71-1.
 4-SJ (lower East Sound): 7/28/55-2;
 8/11/55-3; 8/22/55-5; 6/26/73-1.
 1-SJ (north side Johns Island,
 second bay): 8/19/52-1.
 1-SJ (East Sound or West Sound):
 7/25/55.

Psettichthys melanostictus

Pleuronectidae

Friday Harbor Laboratory Log

- 1-SJ (West Sound and Lopez Sound):
6/27/60.
1-SJ (White Beach): 8/16/60-4.
1-SJ (False Bay): 6/29/61.
1-SJ (Upright Head into East Sound):
7/10/61-2.
1-SJ (East Sound and Lopez Sound):
7/11/63.
5-SJ (mid East Sound):
1/17/64; 2/21/64; 6/5/64;
7/11/64; 6/20/69-1.
1-SJ (Friday Harbor Lab):
7/12/69-2.
1-SJ (Friday Harbor Lab night
light): 1969.

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- 1-SJ (north end of East Sound):
491M.
1-SJ (West Sound): 5033L.
2-SJ (East Sound): 5033M; 6512I.
17-SJ (training cruise area: East
Sound, north of Rosario Point):
6507H; 6517H; 6603H; 6614H;
6620H; 6630H; 6717H; 6815H;
6819H; 6908H; 6914H; 7010H;
7017H; 7110H; 7118H; 7307H;
7313H.
1-B (Bellingham Bay): 6822G.
21-B (training cruise area:
Bellingham Bay, southwest of Post
Point):
6507G9; 6512G; 6517G; 6603G;
6614G; 6620G; 6630G; 6717G;
6722G; 6815G; 6819G; 6826G;
6908G; 6914G; 7010G; 7017G,G.1;
7110G; 7118G; 7307G; 7313G.
1-E (Port Susan, off Warm Beach):
5023A.
2-E (Penn Cove mouth, off Long Point
to off Snatelum Point):
5213A; 5810G.
4-E (Penn Cove, off Coupeville to
off Lovejoy Point):
5213B,C; 5316I,J.
16-E (Holmes Harbor, south of
Classic):
5305A,G; 5307G,H,M,N,U; 5312B,C,
L; 5316E,M,N; 5501A,B,C.
5-E (Holmes Harbor, off Dines Point
to Classic):
5305C,D; 5307I,J; 5312J.
22-E (Holmes Harbor):
5305E,H,L; 5325D; 5327A,B; 5405A,
B,C,D,E,F; 5420C; 5522D,E; 5604D,
E,F,H,I; 56130; 5703E.
3-E (Holmes Harbor, off Rocky Point
to Dines Point): 5307B,Q; 5327E.
12-E (Penn Cove):
5327F,G; 5330G; 5405I,J,K; 5420G;
5522F,G; 5712A; 5810F; 6117C.
2-E (Saratoga Pass., off Snatelum
Point to off Onamac Point):
5330F; 5712C.
3-E (Saratoga Pass., off Onamac
Point to Indian Beach):
5405L,M,N.
1-E (Elger Bay): 5405Q.
1-E: 5712B.
2-E (Holmes Harbor or Penn Cove):
6117G,I.
1-E (Saratoga Pass., Cama Beach to
Lowell Point): 5712D.
1-E (Port Susan, north of Kayak
Point to Tulalip): 7112.
1-E (training cruise area: Saratoga
Pass., north of Langley): 7017D.
1-E (training cruise area: off
Strawberry Point): 6717F.
1-E (training cruise area: east of
Gedney Island): 6908C.
1-HC (off Sisters light buoy):
499C.
1-HC (off Sisters Point): 499G.
1-HC (off Pleasant Harbor): 7003I.
1-HC (Anderson Cove): 7009C.
4-HC (Dabob Bay): 7102B,H,K,N.
7-HC (Dabob Bay, Broad Spit to Long
Spit): 6902F,E; 6828A; 7202G,H;
7303A; 7003A.
7-CS (Port Madison):
1/22/49-5; 3/25/49-3; 6/30/49;
492A; 5006C; 5043A; 5131B.
1-CS (off Cultus Bay): 5032A.
1-CS (north of Des Moines): 5224A.
2-CS (off Agate Pass., Port
Madison): 5302AA; 5310.2F.
1-CS (mid-channel, Meadow Point to
Port Madison): 5709B.
1-CS (training cruise area: mid-
channel, Skiff Point to West
Point): 7118B.
16-CS (Murden Cove):
6612A; 6613B; 6713H; 6812B;
6821.5G; 6906B,C,E,A; 6610A;
6823; 3-7108; 4/4/73; 7308A.
4-PO (Agate Pass., buoy N4-N6):
5006A; 5048A; 5131A; 5315C.
1-PO (south part of Agate Pass.):
5011C.
21-PO (off south of Fletcher Bay):
5229A,C,D; 5413B,C,D,E,F; 5421B;
5503B; 5801A,C; 5926B,C,D,E;
6016B4; 6118A,B,C,D.
8-PO (off Manzanita to Seabold):
5236B; 5310.1D,.2A,.4B,.5B,.5E;
6215A,B.
6-PO ("B-2" to "B-1"): 5236F;
5301C; 5526A; 6205C1,C2,C3.
2-PO (Point Bolin to Keyport):
5310.4D,.4E.
1-PO (trap): 6305.2.
111-PO (off Fletcher Bay to south of
Battle Point and Brownsville):
5206B; 5207D,E; 5223B; 5226A,B;
5228E,F; 5230F; 5232C; 5235P;
5236C,D,E; 5301A,B; 5303; 5306A;
5309A; 5310.3B; 5315B; 5317A,B;
5323A; 5401A; 5402X; 5404.1;
5409.1; 5413A; 5414.1C; 5421A;

Psettichthys melanostictus

Pleuronectidae

University of Washington Boat Log

- 5422A,B,C; 5423A; 5503A; 5504A,B; 5507; 5523A,E; 5602A,B; 5615A,B,C; 5707A,B,G,H; 5709C; 5711A; 5809A; 5814; 5901AK; 5904A,B,C; 5906A; 5912A; 5915A,B; 5919A; 5922A; 5923A,B; 5924B; 5927C; 5931B; 6001AM,AN; 6003A; 6006A; 6008A,B; 6011A; 6016A1,B1,A2,B2,A3,B3,A4,B5,A5; 6021A,B,C,D,E; 6100; 6101A; 6103; 6111A; 6201; 6202.5; 6205D1,D2,D3; 6317; 6320A; 6403AF; 6406C; 6425-1A,2A; 6427A,B; 6504; 6504.5; 6507K; 6707.
- 1-PO (off Seabold Wharf): 6617A.
1-PO (Brownsville to White Point): 6806A.
- 36-PO (most off Fletcher Bay):
5306B; 5812B; 5926A; 6002A; 6007B; 6203C; 6214; 6303.1; 6407.2; 6415; 6419; 6515-1,2; 6711C; 6713A,B,E,F; 6715; 6716.5; 6801; 6813.5; 6821.5F; 6916D,H; 7011A,B; 702C; 7104-1,2; 7105-1,2; 7107A,B; 7302A; 7313X.
- 3-PO (off Battle Point and north):
5309B; 5310.3A; 5422F.
- 17-S (off Golder Gardens to Meadow Point): 496C; 5008B; 5110F; 5203C,D; 5512F; 5607B; 5907D; 5931A; 6005A; 6010A; 6112A,B,C; 6206A; 6506A,C.
- 18-S (beach seine: Golden Gardens to Meadow Point): 5012B; 5030B; 5116F; 5407; 5609A; 5612A; 5706A; 5804A; 6310; 6311C,D; 6319; 6411A; 6511D; 6518A,B; 7209A,B.
- 3-S (beach seine: Carkeek Park):
5022A; 5219A; 5808A.
- 5-S (off Meadow Point to Carkeek Park):
5233A; 6414B; 6510A; 7120A,B.
- 2-S (beach seine: north side of West Point): 7311A,C.
- 3-S (beach seine: Alki Point to Duwamish Head): 6619J,N,P.
- 1-CP (off north of Camp Sealth):
7/21/49-2.
- 1-CP (Olalla to Maplewood): 6703D.
- 2-SS (off McLane Cove to Stretch Island): 7/20/49-3; 5201L.
- 1-SS (north end of Pickering Pass. to off McLane Cove): 5009H.
- 27-SS (Carr Inlet, off Glen Cove to off Raft and Cutts Islands):
5009J; 5045A,B,C; 5101E,F; 5104M,Y,AA; 5126M; 5201A,B,O; 5204A,B,C,E; 5213D; 5227B; 5613B,C,D,E,F,G,H,I.
- 25-SS (Carr Inlet, off Minter Creek to Elgin): 5037H; 5045D,E,G,J; 5046C; 5101C; 5102C; 5104D,I,V; 5126D,F; 5133J; 5135A,B,D; 5201G,P; 5213F; 5227D,E,F,G,I.
- 9-SS (Carr Inlet, off Wauna):
5045I; 5101A; 5104E,F,W; 5126L; 5227A,C; 5037I.
- 1-SS (Carr Inlet, mid-channel, north of Home): 5104R.
- 1-SS (Case Inlet, off Victor):
5126G.
- 1-SS (Case Inlet, west of Herron Island): 5126H.
- 1-SS (northwest end of Nisqually Reach): 5204G.
- 1-SS (Dana Pass., Brisco Point to Dofflemeyer Point): 5204H.
- 6-SS (Carr Inlet):
5522A,B,C; 5605A,B,D.
- 2-SS (Case Inlet): 5613K,L.
- 2-SS (trap, Eld Inlet entrance):
6217-3; 6219-2.
- 2-SS (Carr Inlet, Glen Cove to Green Point): 6724B-2,3.
- 1-SS (Case Inlet, north of Herron Island): 6724C.

Miscellaneous Logs

- 2-S (West Point to Magnolia):
Metro, 1963-70.
- 1-JF (off West Beach):
WSDF, Sport Fish., 1965-70.
- 1-E (Everett):
WSDF, Sport Fish., 1965-70.
- 1-S (Elliott Bay):
WSDF, Sport Fish., 1965-70.
- 3-SS: WSDF, Sport Fish., 1965-70.
- 3-HC: WSDF, Sport Fish., 1965-70.
- 23-S (Duwamish Head to Alki Point):
U.W. Ocean., 1964-67.
- 50+-E (Port Gardner Bay):
U.W. Ocean., P.G., 1962-67.
- 241-PO (south of Fletcher Bay):
U.W. Ocean., P.O., 1964-65.
- 27-S (Golden Gardens to Meadow Point):
U.W. Ocean., Hoh, 1963-68.
- 50+-PO (south and north of Fletcher Bay): U.W. Ocean., Hoh, 1963-67.
- 1-HC (Seabeck):
U.W. Ocean., Hoh, 1963-67.
- 50+-SS (Case Inlet, off Taylor Bay to off Whiteman Cove):
U.W. Ocean., Hoh, 1963-67.
- 1-SS (Nisqually Flats):
U.W. Ocean., Hoh, 1963-67.
- 7-SS (Carr Inlet, off Horsehead Bay): U.W. Ocean., Hoh, 1963-67.
- 47-CS (Port Madison):
U.W. Ocean., Hoh, 1963-68.
- 20-E (Port Gardner Bay):
U.W. Ocean., Hoh, 1963-67.
- 12-E (Port Susan):
U.W. Ocean., Hoh, 1963-67.
- 10-E (Penn Cove):
U.W. Ocean., Hoh, 1963-67.
- 7-E (Saratoga Pass., off Demock Point):
U.W. Ocean., Hoh, 1963-67.

Psettichthys melanostictus

Pleuronectidae

Miscellaneous Logs

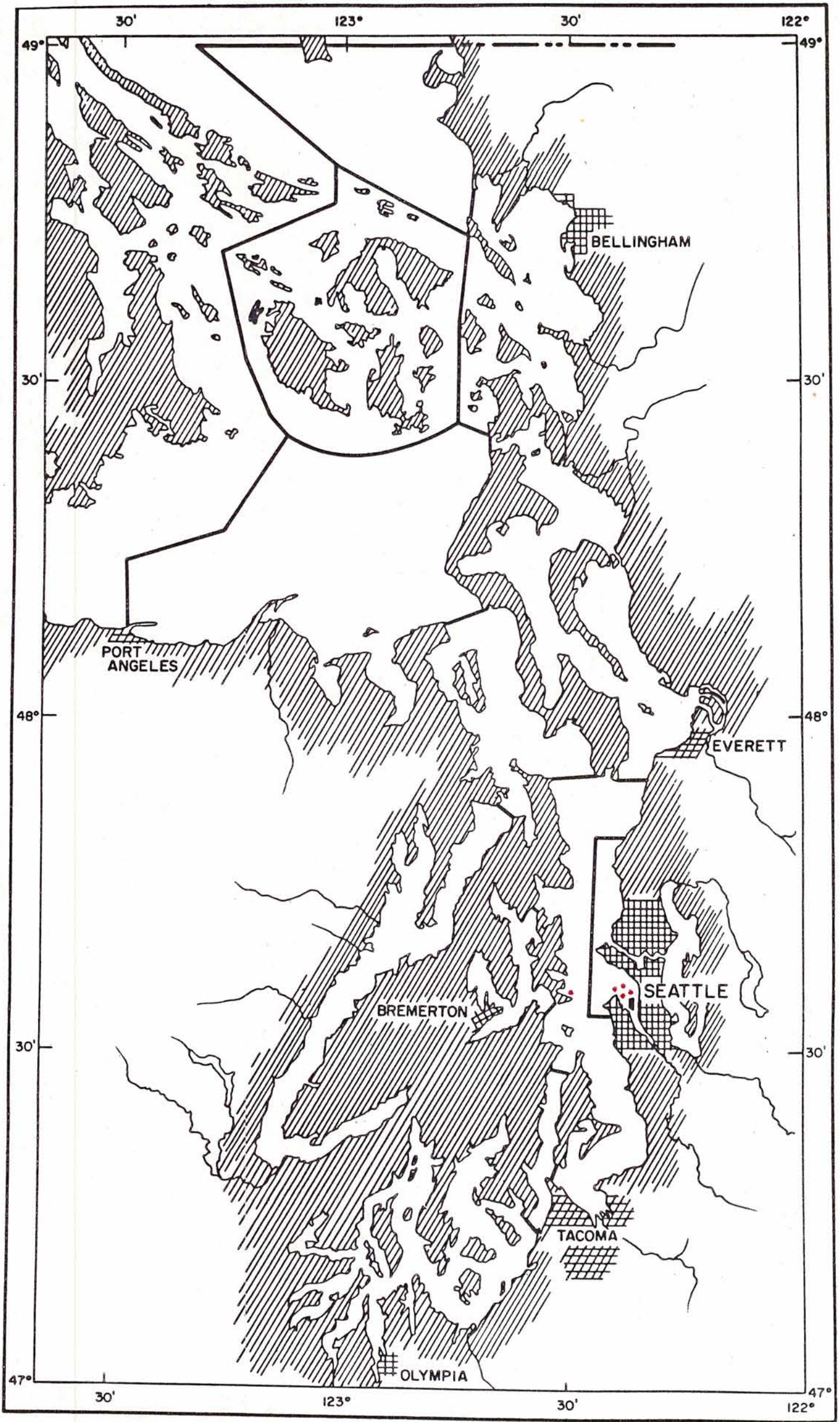
- 11-E (off Demock Point to Utsalady Point):
U.W. Ocean., Hoh, 1963-67.
- 9-E (Holmes Harbor):
U.W. Ocean., Hoh, 1963-67.
- 1-CS (Skiff Point to Point Jefferson): U.W. Ocean., herring trawl, 1968-69.
- 3-AI (Port Townsend Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 1-JF (Discovery Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 2-B (Padilla Bay, near William Point):
U.W. Ocean., Hoh, S.J., 1966.
- 1-B (Samish Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 2-SJ (West Sound):
U.W. Ocean., Hoh, S.J., 1966.
- 6-SJ (East Sound):
U.W. Ocean., Hoh, S.J., 1966.
- 7-E (Penn Cove):
U.W. Ocean., Hoh, S.J., 1966.
- 1-E (Utsalady):
U.W. Ocean., Hoh, S.J., 1966.
- 2-E (Port Susan):
U.W. Ocean., Hoh, S.J., 1966.
- 4-E (Port Gardner Bay):
U.W. Ocean., Hoh, S.J., 1966.
- 3-E (Holmes Harbor):
U.W. Ocean., Hoh, S.J., 1966.
- 1-JF (Discovery Bay): WSDF, groundfish trawl, through 1970.
- 4-AI (Port Townsend): WSDF, groundfish trawl, through 1970.
- 4-JF (Discovery Bay): WSDF, Commercial Catch Comp., 1966-70.
- 2-E (Holmes Harbor; Saratoga Pass.): WSDF, Commercial Catch Comp., 1966-70.
- 1-SS (Carr Inlet): WSDF, Commercial Catch Comp., 1969-70.
- 3-SS (Case Inlet): WSDF, Commercial Catch Comp., 1969-70.
- 14-AI (east of Port Townsend):
NMFS, Cobb 35.
- 1-JF (west of Protection Island):
NMFS, Cobb 35.
- 3-PO (south of Fletcher Bay):
NMFS, Cobb 68.
- 1-B (Eliza Island, Bellingham Bay):
NMFS, Cobb 68.
- 21-SJ (East Sound, south of Rosario Point): NIH, 1964-66.
- 2-SJ (East Sound): NIH, 1968-71.
- 6-B (Bellingham Bay, off Nooksack River to Marine Drive):
NIH, 1968-71.
- 39-S (Golden Gardens to Carkeek Park): NIH, 1968-71.
- 3-SS (Case Inlet, Stretch Island to Herron Island): NIH, 1968-71.
- 9-CS (Port Madison):
Van Cleve, trap, 1961-65.
- 1-PO (off Fletcher Bay):
Van Cleve, trap, 1961-65.
- 12-SS (entrance to Eld Inlet):
Van Cleve, trap, 1961-65.
- 4-E (Holmes Harbor):
Van Cleve, trap, 1961-65.
- 2-E (Saratoga Pass. on west side just south of Penn Cove; Penn Cove): Van Cleve, trap, 1961-65.
- 3-JF (beach seine: Port Angeles embayment):
Peninsula College, 1971.
- 2-JF (lower Sequim Bay):
Sea Grant, 71110.
- 19-GS (tow area 1, mouth of Boundary Bay):
WSDF, Gulf Georgia, 1969-71.
- 18-GS (tow area 2, off Birch Bay):
WSDF, Gulf Georgia, 1969-71.
- 11-GS (tow area 3, off Cherry Point):
WSDF, Gulf Georgia, 1969-71.
- 13-GS (tow area 4, off north of Neptune Beach):
WSDF, Gulf Georgia, 1969-71.
- 4-GS (tow area 5, north of Alden Bank):
WSDF, Gulf Georgia, 1969-71.
- 12-GS (tow area 6, southeast of Point Roberts):
WSDF, Gulf Georgia, 1969-71.
- 1-GS (tow area 9, mid-channel):
WSDF, Gulf Georgia, 1969-71.
- 1-SJ (East Sound): Bruce Miller, Diving Log, 9/9/65.
- 1-JF (west of Protection Island):
NMFS, Cobb, 2/28/73.
- 1-S (south of Carkeek Park):
Sea Grant, 3/17/71.
- 1-CP (in Gig Harbor): Sea Grant, 72003 (also boat 7208).
- 1-GS (beach seine: south of Cherry Point): Sea Grant, 72008.
- 3-GS (south of Cherry Point):
Sea Grant, 72009.
- 8-S (Duwamish River estuary, between 16th and 1st Ave. S. bridges):
Sea Grant, 1972.
- 5-JF (beach seine: West Beach):
Sea Grant, 72017.
- 2-GS (south of Cherry Point):
Sea Grant, 72019.
- 7-SS (off Nisqually River-McAllister Creek Flats): Sea Grant, 1972.
- 4-S (beach seine: Golden Gardens):
Sea Grant, 1972.
- 1-HC (off Big Beef Harbor):
Sea Grant, 72026.
- 1-SS (beach seine: Nisqually Head):
Sea Grant, 72030.
- 2-B (Bellingham Bay, off Nooksack Flats): Sea Grant, 72035.
- 8-S (beach seine: north side of West Point): Sea Grant, 1973.
- 4-S (beach seine: south side of West Point): Sea Grant, 1973.
- 5-S (off northwest side of West Point): Sea Grant, 1973.

Psettichthys melanostictus

Pleuronectidae

Miscellaneous Logs

- 3-S (off southwest side of West Point): Sea Grant, 1973.
4-S (north of Meadow Point to Carkeek Park): Sea Grant, 1973.
4-S (southwest of Alki Point): Sea Grant, 1973.
4-PO (off south of Fletcher Bay): Sea Grant, 73008.
8-S (Duwamish River estuary, between 1st and 16th Ave. S. bridges): Sea Grant, 1973.
7-S (Duwamish River estuary, upstream from 16th Ave. S. bridge): Sea Grant, 1973.
6-S (Duwamish River estuary, downstream from 1st Ave. S. bridge): Sea Grant, 1973.
6-SS (off Nisqually River-McAllister Creek Flats): Sea Grant, 1973.
3-B (Bellingham Bay, off Nooksack River Flats): Sea Grant, 1973.
1-SS (McLane Cove to Stretch Island): Sea Grant, 1973.
1-SS (west side of Dougall Point): Sea Grant, 1973.
11-SS (mid-channel, McLane Cove to Stretch Island): Sea Grant, 1973-74.
8-HC (off Union): Sea Grant, 1973.
4-HC (off Skokomish River Flats): Sea Grant, 1973.
2-SS (Tatsolo Point): Sea Grant, 73059.
1-B (west of Lurmi Island): WSDF, Commercial Catch Comp., 1966-71.



Published Records

- 1-PS: Kincaid, 1919.
- 1-S (off Duwamish Head launch ramp):
Seattle Times, 8/26/59, p. 44.
- 3-S (off Duwamish Head; near West
waterway; Elliott Bay):
Seattle Times, 8/28/62, p. 11.

Miscellaneous Logs

- 1-CS (Blakely Rock):
Bill High, Diving, 9/23/62.