Water Quality Standards for Surface Waters of the State of Washington Chapter 173-201A WAC

Amended November 20, 2006

Washington State Department of Ecology

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Publication Number 06-10-091

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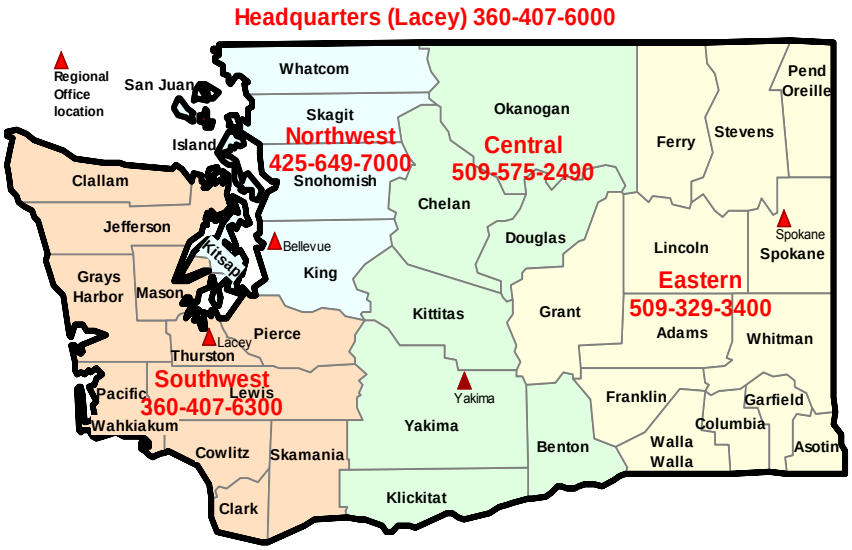

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Chapter 173-201A WAC
Water Quality Standards for Surface Waters of the State of Washington

Update: 11/20/06

WAC Sections

DISPOSITIONS OF SECTIONS FORMERLY CODIFIED IN THIS CHAPTER

173-201A-030 General water use and criteria classes. [Statutory Authority: Chapter 90.48 RCW and 40 CFR 131. 97-23-064 (Order 94-19), § 173-201A-030, filed 11/18/97, effective 12/19/97. Statutory Authority: Chapter 90.48 RCW. 92-24-037 (Order 92-29), § 173-201A-030, filed 11/25/92, effective 12/26/92.] Repealed by 03-14-129 (Order 02-14), filed 7/1/03, effective 8/1/03. Statutory Authority: Chapters 90.48 and 90.54 RCW.

173-201A-040 Toxic substances. [Statutory Authority: Chapter 90.48 RCW and 40 CFR 131. 97-23-064 (Order 94-19), § 173-201A-040, filed 11/18/97, effective 12/19/97. Statutory Authority: Chapter 90.48 RCW. 92-24-037 (Order 92-29), § 173-201A-040, filed 11/25/92, effective 12/26/92.] Amended and decodified by 03-14-129 (Order 02-14), filed 7/1/03, effective 8/1/03. Statutory Authority: Chapters 90.48 and 90.54 RCW. Recodified as § 173 -201A-240.

173-201A-050 Radioactive substances. [Statutory Authority: Chapter 90.48 RCW and 40 CFR 131. 97-23-064 (Order 94-19), § 173-201A-050, filed 11/18/97, effective 12/19/97. Statutory Authority: Chapter 90.48 RCW. 92-24-037 (Order 92-29), § 173-201A-050, filed 11/25/92, effective 12/26/92.] Decodified by 03-14-129 (Order 02-14), filed 7/1/03, effective 8/1/03. Statutory Authority: Chapters 90.48 and 90.54 RCW. Recodified as § 173-201A-250.

173-201A-060 General considerations. [Statutory Authority: Chapter 90.48 RCW and 40 CFR 131. 97-23-064 (Order 94-19), § 173-201A-060, filed 11/18/97, effective 12/19/97. Statutory Authority: Chapter 90.48 RCW. 92-24-037 (Order 92-29), § 173-201A-060, filed 11/25/92, effective 12/26/92.] Repealed by 03-14-129 (Order 02-14), filed 7/1/03, effective 8/1/03. Statutory Authority: Chapters 90.48 and 90.54 RCW.

173-201A-070 Antidegradation. [Statutory Authority: Chapter 90.48 RCW. 92-24-037 (Order 92-29), § 173-201A-070, filed 11/25/92, effective 12/26/92.] Repealed by 03-14-129 (Order 02-14), filed 7/1/03, effective 8/1/03. Statutory Authority: Chapters 90.48 and 90.54 RCW.

173-201A-080 Outstanding resource waters. [Statutory Authority: Chapter 90.48 RCW. 92-24-037 (Order 92-29), § 173-201A-080, filed 11/25/92, effective 12/26/92.] Repealed by 03-14-129 (Order 02-14), filed 7/1/03, effective 8/1/03. Statutory Authority: Chapters 90.48 and 90.54 RCW.

173-201A-100 Mixing zones. [Statutory Authority: Chapter 90.48 RCW. 92-24-037 (Order 92-29), § 173-201A-100, filed 11/25/92, effective 12/26/92.] Amended and decodified by 03-14-129 (Order 02-14), filed 7/1/03, effective 8/1/03. Statutory Authority: Chapters 90.48 and 90.54 RCW. Recodified as § 173-201A-400.

173-201A-110 Short-term modifications. [Statutory Authority: Chapter 90.48 RCW and 40 CFR 131. 97-23-064 (Order 94-19), § 173-201A-110, filed 11/18/97, effective 12/19/97. Statutory Authority: Chapter 90.48 RCW. 92-24-037 (Order 92-29), § 173-201A-110, filed 11/25/92, effective 12/26/92.] Amended and decodified by 03-14-129 (Order 02-14), filed 7/1/03, effective 8/1/03. Statutory Authority: Chapters 90.48 and 90.54 RCW. Recodified as § 173-201A-410.

173-201A-120 General classifications. [Statutory Authority: Chapter 90.48 RCW. 92-24-037 (Order 92-29), § 173-201A-120, filed 11/25/92, effective 12/26/92.] Repealed by 03-14-129 (Order 02-14), filed 7/1/03, effective 8/1/03. Statutory Authority: Chapters 90.48 and 90.54 RCW.

173-201A-130 Specific classifications -- Freshwater. [Statutory Authority: Chapter 90.48 RCW and 40 CFR 131. 97-23-064 (Order 94-19), § 173-201A-130, filed 11/18/97, effective 12/19/97. Statutory Authority: Chapter 90.48 RCW. 92-24-037 (Order 92-29), § 173-201A-130, filed 11/25/92, effective 12/26/92.] Repealed by 03-14-129 (Order 02-14), filed 7/1/03, effective 8/1/03. Statutory Authority: Chapters 90.48 and 90.54 RCW.

173-201A-140 Specific classifications -- Marine water. [Statutory Authority: Chapter 90.48 RCW and 40 CFR 131. 97-23-064 (Order 94-19), § 173-201A-140, filed 11/18/97, effective 12/19/97. Statutory Authority: Chapter 90.48 RCW. 92-24-037 (Order 92-29), § 173-201A-140, filed 11/25/92, effective 12/26/92.] Repealed by 03-14-129 (Order 02-14), filed 7/1/03, effective 8/1/03. Statutory Authority: Chapters 90.48 and 90.54 RCW.

173-201A-150 Achievement considerations. [Statutory Authority: Chapter 90.48 RCW. 92-24-037 (Order 92-29), § 173-201A-150, filed 11/25/92, effective 12/26/92.] Decodified by 03-14-129 (Order 02-14), filed 7/1/03, effective 8/1/03. Statutory Authority: Chapters 90.48 and 90.54 RCW. Recodified as § 173-201A-500.

173-201A-160 Implementation. [Statutory Authority: Chapter 90.48 RCW and 40 CFR 131. 97-23-064 (Order 94-19), § 173-201A-160, filed 11/18/97, effective 12/19/97. Statutory Authority: Chapter 90.48 RCW. 92-24-037 (Order 92-29), § 173-201A-160, filed 11/25/92, effective 12/26/92.] Amended and decodified by 03-14-129 (Order 02-14), filed 7/1/03, effective 8/1/03. Statutory Authority: Chapters 90.48 and 90.54 RCW. Recodified as § 173-201A-510.

173-201A-170 Surveillance. [Statutory Authority: Chapter 90.48 RCW. 92-24-037 (Order 92-29), § 173-201A-170, filed 11/25/92, effective 12/26/92.] Amended and decodified by 03-14-129 (Order 02-14), filed 7/1/03, effective 8/1/03. Statutory Authority: Chapters 90.48 and 90.54 RCW. Recodified as § 173-201A-520.

173-201A-180 Enforcement. [Statutory Authority: Chapter 90.48 RCW. 92-24-037 (Order 92-29), § 173-201A-180, filed 11/25/92, effective 12/26/92.] Decodified by 03-14-129 (Order 02-14), filed 7/1/03, effective 8/1/03. Statutory Authority: Chapters 90.48 and 90.54 RCW. Recodified as § 173-201A-530.

Part I Introduction

173-201A-010
Purpose.

(1) The purpose of this chapter is to establish water quality standards for surface waters of the state of Washington consistent with public health and public enjoyment of the waters and the propagation and protection of fish, shellfish, and wildlife, pursuant to the provisions of chapter 90.48 RCW. All actions must comply with this chapter. As part of this chapter:

(a) All surface waters are protected by narrative criteria, designated uses, and an antidegradation policy.

(b) Based on the use designations, numeric and narrative criteria are assigned to a water body to protect the existing and designated uses.

(c) Where multiple criteria for the same water quality parameter are assigned to a water body to protect different uses, the most stringent criteria for each parameter is to be applied.

(2) Surface waters of the state include lakes, rivers, ponds, streams, inland waters, saltwaters, wetlands, and all other surface waters and water courses within the jurisdiction of the state of Washington.

(3) This chapter will be reviewed periodically by the department and appropriate revisions will be undertaken.

(4) WAC 173-201A-200 through 173-201A-260 describe the designated water uses and criteria for the state of Washington. These criteria were established based on existing and potential water uses of the surface waters of the state. Consideration was also given to both the natural water quality potential and its limitations. Compliance with the surface water quality standards of the state of Washington requires compliance with chapter 173-201A WAC, Water quality standards for surface waters of the state of Washington, chapter 173-204 WAC, Sediment management standards, and applicable federal rules.

[Statutory Authority: Chapters 90.48 and 90.54 RCW. 03-14-129 (Order 02-14), § 173-201A-010, filed 7/1/03, effective 8/1/03. Statutory Authority: Chapter 90.48 RCW. 92-24-037 (Order 92-29), § 173-201A-010, filed 11/25/92, effective 12/26/92.]

173-201A-020
Definitions.

The following definitions are intended to facilitate the use of chapter 173-201A WAC:

"1-DMax" or **"1-day maximum temperature"** is the highest water temperature reached on any given day. This measure can be obtained using calibrated maximum/minimum thermometers or continuous monitoring probes having sampling intervals of thirty minutes or less.

"7-DADMax" or **"7-day average of the daily maximum temperatures"** is the arithmetic average of seven consecutive measures of daily maximum temperatures. The 7-DADMax for any individual day is calculated by averaging that day's daily maximum temperature with the daily maximum temperatures of the three days prior and the three days after that date.

"Action value" means a total phosphorus (TP) value established at the upper limit of the trophic states in each ecoregion. Exceedance of an action value indicates that a problem is suspected. A lake-specific study may be needed to confirm if a nutrient problem exits.

"Actions" refers broadly to any human projects or activities.

"Acute conditions" are changes in the physical, chemical, or biologic environment which are expected or demonstrated to result in injury or death to an organism as a result of short-term exposure to the substance or detrimental environmental condition.

"AKART" is an acronym for "all known, available, and reasonable methods of prevention, control, and treatment." AKART shall represent the most current methodology that can be reasonably required for preventing, controlling, or abating the pollutants associated with a discharge. The concept of AKART applies to both point and nonpoint sources of pollution. The term "best management practices," typically applied to nonpoint source pollution controls is considered a subset of the AKART requirement.

"Background" means the biological, chemical, and physical conditions of a water body, outside the area of influence of the discharge under consideration. Background sampling locations in an enforcement action would be up-gradient or outside the area of influence of the discharge. If several discharges to any water body exist, and enforcement action is being taken for possible violations to the standards, background sampling would be undertaken immediately up-gradient from each discharge.

"Best management practices (BMP)" means physical, structural, and/or managerial practices approved by the department that, when used singularly or in combination, prevent or reduce pollutant discharges.

"Biological assessment" is an evaluation of the biological condition of a water body using surveys of aquatic community structure and function and other direct measurements of resident biota in surface waters.

"Bog" means those wetlands that are acidic, peat forming, and whose primary water source is precipitation, with little, if any, outflow.

"Carcinogen" means any substance or agent that produces or tends to produce cancer in humans. For implementation of this chapter, the term carcinogen will apply to substances on the United States Environmental Protection Agency lists of A (known human) and B (probable human) carcinogens, and any substance which causes a significant increased incidence of benign or malignant tumors in a single, well conducted animal bioassay, consistent with the weight of evidence approach specified in the United States Environmental Protection Agency's Guidelines for Carcinogenic Risk Assessment as set forth in 51 FR 33992 et seq. as presently published or as subsequently amended or republished.

"Chronic conditions" are changes in the physical, chemical, or biologic environment which are expected or demonstrated to result in injury or death to an organism as a result of repeated or constant exposure over an extended period of time to a substance or detrimental environmental condition.

"Created wetlands" means those wetlands intentionally created from nonwetland sites to produce or replace natural wetland habitat.

"Critical condition" is when the physical, chemical, and biological characteristics of the receiving water environment interact with the effluent to produce the greatest potential adverse impact on aquatic biota and existing or designated water uses. For steady-state discharges to riverine systems the critical condition may be assumed to be equal to the 7Q10 flow event unless determined otherwise by the department.

"Damage to the ecosystem" means any demonstrated or predicted stress to aquatic or terrestrial organisms or communities of organisms which the department reasonably concludes may interfere in the health or survival success or natural structure of such populations. This stress may be due to, but is not limited to, alteration in habitat or changes in water temperature, chemistry, or turbidity, and shall consider the potential build up of discharge constituents or temporal increases in habitat alteration which may create such stress in the long term.

"Department" means the state of Washington department of ecology.

"Designated uses" are those uses specified in this chapter for each water body or segment, regardless of whether or not the uses are currently attained.

"Director" means the director of the state of Washington department of ecology.

"Drainage ditch" means that portion of a designed and constructed conveyance system that serves the purpose of transporting surplus water; this may include natural water courses or channels incorporated in the system design, but does not include the area adjacent to the water course or channel.

"Ecoregions" are defined using EPAs *Ecoregions of the Pacific Northwest* Document No. 600/3-86/033 July 1986 by Omernik and Gallant.

"Enterococci" refers to a subgroup of the fecal streptococci that includes *S. faecalis, S. faecium, S. gallinarum,* and *S. avium*. The enterococci are differentiated from other streptococci by their ability to grow in 6.5% sodium chloride, at pH 9.6, and at 10°C and 45°C.

"*E. coli*" or **"*Escherichia coli*"** is an aerobic and facultative gram negative nonspore forming rod shaped bacterium that can grow at 44.5 degrees Celsius that is ortho-nitrophenyl-B-D-galactopyranoside (ONPG) positive and Methylumbelliferyl glucuronide (MUG) positive.

"Existing uses" means those uses actually attained in fresh or marine waters on or after November 28, 1975, whether or not they are designated uses. Introduced species that are not native to Washington, and put-and-take fisheries comprised of nonself-replicating introduced native species, do not need to receive full support as an existing use.
"Extraordinary primary contact" means waters providing extraordinary protection against waterborne disease or that serve as tributaries to extraordinary quality shellfish harvesting areas.

"Fecal coliform" means that portion of the coliform group which is present in the intestinal tracts and feces of warm-blooded animals as detected by the product of acid or gas from lactose in a suitable culture medium within twenty-four hours at 44.5 plus or minus 0.2 degrees Celsius.

"Geometric mean" means either the nth root of a product of n factors, or the antilogarithm of the arithmetic mean of the logarithms of the individual sample values.

"Ground water exchange" means the discharge and recharge of ground water to a surface water. Discharge is inflow from an aquifer, seeps or springs that increases the available supply of surface water. Recharge is outflow downgradient to an aquifer or downstream to surface water for base flow maintenance. Exchange may include ground water discharge in one season followed by recharge later in the year.

"Hardness" means a measure of the calcium and magnesium salts present in water. For purposes of this chapter, hardness is measured in milligrams per liter and expressed as calcium carbonate ($CaCO_3$).

"Irrigation ditch" means that portion of a designed and constructed conveyance system that serves the purpose of transporting irrigation water from its supply source to its place of use; this may include natural water courses or channels incorporated in the system design, but does not include the area adjacent to the water course or channel.

"Lakes" shall be distinguished from riverine systems as being water bodies, including reservoirs, with a mean detention time of greater than fifteen days.

"Lake-specific study" means a study intended to quantify existing nutrient concentrations, determine existing characteristic uses for lake class waters, and potential lake uses. The study determines how to protect these uses and if any uses are lost or impaired because of nutrients, algae, or aquatic plants. An appropriate study must recommend a criterion for total phosphorus (TP), total nitrogen (TN) in µg/l, or other nutrient that impairs characteristic uses by causing excessive algae blooms or aquatic plant growth.

"Mean detention time" means the time obtained by dividing a reservoir's mean annual minimum total storage by the thirty-day ten-year low-flow from the reservoir.

"Migration or translocation" means any natural movement of an organism or community of organisms from one locality to another locality.

"Mixing zone" means that portion of a water body adjacent to an effluent outfall where mixing results in the dilution of the effluent with the receiving water. Water quality criteria may be exceeded in a mixing zone as conditioned and provided for in WAC 173-201A-400.

"Natural conditions" or **"natural background levels"** means surface water quality that was present before any human-caused pollution. When estimating natural conditions in the headwaters of a disturbed watershed it may be necessary to use the less disturbed conditions of a neighboring or similar watershed as a reference condition. (See also WAC 173-201A-260(1).)

"New or expanded actions" mean human actions that occur or are regulated for the first time, or human actions expanded such that they result in an increase in pollution, after July 1, 2003, for the purpose of applying this chapter only.

"Nonpoint source" means pollution that enters any waters of the state from any dispersed land-based or water-based activities, including but not limited to atmospheric deposition, surface water runoff from agricultural lands, urban areas, or forest lands, subsurface or underground sources, or discharges from boats or marine vessels not otherwise regulated under the National Pollutant Discharge Elimination System program.

"Permit" means a document issued pursuant to chapter 90.48 RCW specifying the waste treatment and control requirements and waste discharge conditions.

"pH" means the negative logarithm of the hydrogen ion concentration.

"Pollution" means such contamination, or other alteration of the physical, chemical, or biological properties, of any waters of the state, including change in temperature, taste, color, turbidity, or odor of the waters, or such discharge of any liquid, gaseous, solid, radioactive, or other substance into any waters of the state as will or is likely to create a nuisance or render such waters harmful, detrimental, or injurious to the public health, safety, or welfare, or to domestic, commercial, industrial, agricultural, recreational, or other legitimate beneficial uses, or to livestock, wild animals, birds, fish, or other aquatic life.

"Primary contact recreation" means activities where a person would have direct contact with water to the point of complete submergence including, but not limited to, skin diving, swimming, and water skiing.

"Secondary contact recreation" means activities where a person's water contact would be limited (e.g., wading or fishing) to the extent that bacterial infections of eyes, ears, respiratory or digestive systems, or urogenital areas would normally be avoided.

"Shoreline stabilization" means the anchoring of soil at the water's edge, or in shallow water, by fibrous plant root complexes; this may include long-term accretion of sediment or peat, along with shoreline progradation in such areas.

"Storm water" means that portion of precipitation that does not naturally percolate into the ground or evaporate, but flows via overland flow, interflow, pipes, and other features of a storm water drainage system into a defined surface water body, or a constructed infiltration facility.

"Storm water attenuation" means the process by which peak flows from precipitation is reduced and runoff velocities are slowed as a result of passing through a surface water body.

"Surface waters of the state" includes lakes, rivers, ponds, streams, inland waters, saltwaters, wetlands, and all other surface waters and water courses within the jurisdiction of the state of Washington.

"Temperature" means water temperature expressed in degrees Celsius (°C).

"Treatment wetlands" means those wetlands intentionally constructed on nonwetland sites and managed for the primary purpose of wastewater or storm water treatment. Treatment wetlands are considered part of a collection and treatment system, and generally are not subject to the criteria of this chapter.

"Trophic state" means a classification of the productivity of a lake ecosystem. Lake productivity depends on the amount of biologically available nutrients in water and sediments and may be based on total phosphorus (TP). Secchi depth and chlorophyll-a measurements may be used to improve the trophic state classification of a lake. Trophic states used in this rule include, from least to most nutrient rich, ultra-oligotrophic, oligotrophic, lower mesotrophic, upper mesotrophic, and eutrophic.

"Turbidity" means the clarity of water expressed as nephelometric turbidity units (NTU) and measured with a calibrated turbidimeter.

"Upwelling" means the natural process along Washington's Pacific Coast where the summer prevailing northerly winds produce a seaward transport of surface water. Cold, deeper more saline waters rich in nutrients and low in dissolved oxygen, rise to replace the surface water. The cold oxygen deficient water enters Puget Sound and other coastal estuaries at depth where it displaces the existing deep water and eventually rises to replace the surface water. Such surface water replacement results in an overall increase in salinity and nutrients accompanied by a depression in dissolved oxygen. Localized upwelling of the deeper water of Puget Sound can occur year-round under influence of tidal currents, winds, and geomorphic features.

"USEPA" means the United States Environmental Protection Agency.

"Wetlands" means areas that are inundated or saturated by surface water or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas. Wetlands do not include those artificial wetlands intentionally created from nonwetland sites, including, but not limited to, irrigation and drainage ditches, grass-lined swales, canals, detention facilities, wastewater treatment facilities, farm ponds, and landscape amenities, or those wetlands created after July 1, 1990, that were unintentionally created as a result of the construction of a road, street, or highway. Wetlands may include those artificial wetlands intentionally created from nonwetland areas to mitigate the conversion of wetlands. (Water bodies not included in the definition of wetlands as well as those mentioned in the definition are still waters of the state.)

"Wildlife habitat" means waters of the state used by, or that directly or indirectly provide food support to, fish, other aquatic life, and wildlife for any life history stage or activity.

[Statutory Authority: Chapters 90.48 and 90.54 RCW. 03-14-129 (Order 02-14), § 173-201A-020, filed 7/1/03, effective 8/1/03. Statutory Authority: Chapter 90.48 RCW and 40 CFR 131. 97-23-064 (Order 94-19), § 173-201A-020, filed 11/18/97, effective 12/19/97. Statutory Authority: Chapter 90.48 RCW. 92-24-037 (Order 92-29), § 173-201A-020, filed 11/25/92, effective 12/26/92.]

Part II – Designated Uses and Criteria

173-201A-200
Fresh water designated uses and criteria.

The following uses are designated for protection in fresh surface waters of the state. Use designations for water bodies are listed in WAC 173-201A-600 and 173-201A-602.

(1) **Aquatic life uses.** Aquatic life uses are designated based on the presence of, or the intent to provide protection for, the key uses identified below in (a). It is required that all indigenous fish and nonfish aquatic species be protected in waters of the state in addition to the key species described below.

(a) The categories for aquatic life uses are:

(i) **Char spawning and rearing**. The key identifying characteristics of this use are spawning or early juvenile rearing by native char (bull trout and Dolly Varden), or use by other aquatic species similarly dependent on such cold water. Other common characteristic aquatic life uses for waters in this category include summer foraging and migration of native char; and spawning, rearing, and migration by other salmonid species.

(ii) **Core summer salmonid habitat**. The key identifying characteristics of this use are summer (June 15 – September 15) salmonid spawning or emergence, or adult holding; use as important summer rearing habitat by one or more salmonids; or foraging by adult and sub-adult native char. Other common characteristic aquatic life uses for waters in this category include spawning outside of the summer season, rearing, and migration by salmonids.

(iii) **Salmonid spawning, rearing, and migration**. The key identifying characteristic of this use is salmon or trout spawning and emergence that only occurs outside of the summer season (September 16 - June 14). Other common characteristic aquatic life uses for waters in this category include rearing and migration by salmonids.

(iv) **Salmonid rearing and migration only.** The key identifying characteristic of this use is use only for rearing or migration by salmonids (not used for spawning).

(v) **Non-anadromous interior redband trout.** For the protection of waters where the only trout species is a non-anadromous form of self-reproducing interior redband trout (*O. mykis*), and other associated aquatic life.

(vi) **Indigenous warm water species.** For the protection of waters where the dominant species under natural conditions would be temperature tolerant indigenous nonsalmonid species. Examples include dace, redside shiner, chiselmouth, sucker, and northern pikeminnow.

(b) **General criteria.** General criteria that apply to all aquatic life fresh water uses are described in WAC 173-201A-260 (2)(a) and (b), and are for:

(i) Toxic, radioactive, and deleterious materials; and

(ii) Aesthetic values.

(c) **Aquatic life temperature criteria.** Except where noted, water temperature is measured by the 7-day average of the daily maximum temperatures (7-DADMax). Table 200 (1)(c) lists the temperature criteria for each of the aquatic life use categories.

Table 200 (1)(c)
Aquatic Life Temperature Criteria in Fresh Water

Category	Highest 7-DADMax
Char Spawning	9°C (48.2°F)
Char Spawning and Rearing	12°C (53.6°F)
Salmon and Trout Spawning	13°C (55.4°F)
Core Summer Salmonid Habitat	16°C (60.8°F)
Salmonid Spawning, Rearing, and Migration	17.5°C (63.5°F)
Salmonid Rearing and Migration **Only**	17.5°C (63.5°F)
Non-anadromous Interior Redband Trout	18°C (64.4°F)
Indigenous Warm Water Species	20°C (68°F)

(i) When a water body's temperature is warmer than the criteria in Table 200 (1)(c) (or within 0.3°C (0.54°F) of the criteria) and that condition is due to natural conditions, then human actions considered cumulatively may not cause the 7-DADMax temperature of that water body to increase more than 0.3°C (0.54°F).

(ii) When the background condition of the water is cooler than the criteria in Table 200 (1)(c), the allowable rate of warming up to, but not exceeding, the numeric criteria from human actions is restricted as follows:

(A) Incremental temperature increases resulting from individual point source activities must not, at any time, exceed 28/(T+7) as measured at the edge of a mixing zone boundary (where "T" represents the background temperature as measured at a point or points unaffected by the discharge and representative of the highest ambient water temperature in the vicinity of the discharge); and
(B) Incremental temperature increases resulting from the combined effect of all nonpoint source activities in the water body must not, at any time, exceed 2.8°C (5.04°F).

(iii) Temperatures are not to exceed the criteria at a probability frequency of more than once every ten years on average.
(iv) Spawning and incubation protection. The department has identified water bodies, or portions thereof, which require special protection for spawning and incubation in Ecology publication 06-10-038 (also available on Ecology's website). This publication indicates where and when the following criteria are to be applied to protect the reproduction of native char, salmon, and trout:

• Maximum 7-DADMax temperatures of 9°C (48.2°F) at the initiation of spawning and at fry emergence for char; and

• Maximum 7-DADMax temperatures of 13°C (55.4°F) at the initiation of spawning for salmon and at fry emergence for salmon and trout.

The two criteria above are protective of incubation as long as human actions do not significantly disrupt the normal patterns of fall cooling and spring warming that provide significantly colder temperatures over the majority of the incubation period.

(v) For lakes, human actions considered cumulatively may not increase the 7-DADMax temperature more than 0.3°C (0.54°F) above natural conditions.

(vi) Temperature measurements should be taken to represent the dominant aquatic habitat of the monitoring site. This typically means samples should:

(A) Be taken from well mixed portions of rivers and streams; and

(B) Not be taken from shallow stagnant backwater areas, within isolated thermal refuges, at the surface, or at the water's edge.

(vii) The department will incorporate the following guidelines on preventing acute lethality and barriers to migration of salmonids into determinations of compliance with the narrative requirements for use protection established in this chapter (e.g., WAC 173-201A-310(1), 173-201A-400(4), and 173-201A-410 (1)(c)). The following site-level considerations do not, however, override the temperature criteria established for waters in subsection (1)(c) of this section or WAC 173-201A-602:

(A) Moderately acclimated (16-20°C, or 60.8-68°F) adult and juvenile salmonids will generally be protected from acute lethality by discrete human actions maintaining the 7-DADMax temperature at or below 22°C (71.6°F) and the 1-day maximum (1-DMax) temperature at or below 23°C (73.4°F).

(B) Lethality to developing fish embryos can be expected to occur at a 1-DMax temperature greater than 17.5°C (63.5°F).

(C) To protect aquatic organisms, discharge plume temperatures must be maintained such that fish could not be entrained (based on plume time of travel) for more than two seconds at temperatures above 33°C (91.4°F) to

avoid creating areas that will cause near instantaneous lethality.

(D) Barriers to adult salmonid migration are assumed to exist any time the 1-DMax temperature is greater than 22°C (71.6°F) and the adjacent downstream water temperatures are 3°C (5.4°F) or more cooler.

(viii) Nothing in this chapter shall be interpreted to prohibit the establishment of effluent limitations for the control of the thermal component of any discharge in accordance with 33 U.S.C. 1326 (commonly known as section 316 of the Clean Water Act).

(d) **Aquatic life dissolved oxygen (D.O.) criteria.** The D.O. criteria are measured in milligrams per liter (mg/L). Table 200 (1)(d) lists the 1-day minimum D.O. for each of the aquatic life use categories.

Table 200 (1)(d)
Aquatic Life Dissolved Oxygen Criteria in Fresh Water

Category	Lowest 1-Day Minimum
Char Spawning and Rearing	9.5 mg/L
Core Summer Salmonid Habitat	9.5 mg/L
Salmonid Spawning, Rearing, and Migration	8.0 mg/L
Salmonid Rearing and Migration **Only**	6.5 mg/L
Non-anadromous Interior Redband Trout	8.0 mg/L
Indigenous Warm Water Species	6.5 mg/L

(i) When a waterbody's D.O. is lower than the criteria in Table 200 (1)(d) (or within 0.2 mg/L of the criteria) and that condition is due to natural conditions, then human actions considered cumulatively may not cause the D.O. of that water body to decrease more than 0.2 mg/L.

(ii) For lakes, human actions considered cumulatively may not decrease the dissolved oxygen concentration more than 0.2 mg/L below natural conditions.

(iii) Concentrations of D.O. are not to fall below the criteria in the table at a probability frequency of more than once every ten years on average.

(iv) D.O. measurements should be taken to represent the dominant aquatic habitat of the monitoring site. This typically means samples should:

(A) Be taken from well mixed portions of rivers and streams; and

(B) Not be taken from shallow stagnant backwater areas, within isolated thermal refuges, at the surface, or at the water's edge.

(e) **Aquatic life turbidity criteria.** Turbidity is measured in "nephelometric turbidity units" or "NTUs." Table 200 (1)(e) lists the maximum turbidity criteria for each of the aquatic life use categories.

Table 200 (1)(e)
Aquatic Life Turbidity Criteria in Fresh Water

Category	NTUs
Char Spawning and Rearing	Turbidity shall not exceed:
	• 5 NTU over background when the background is 50 NTU or less; or
	• A 10 percent increase in turbidity when the background turbidity is more than 50 NTU.
Core Summer Salmonid Habitat	Same as above.
Salmonid Spawning, Rearing, and Migration	Same as above.
Salmonid Rearing and Migration **Only**	Turbidity shall not exceed: • 10 NTU over background when the background is 50 NTU or less; or
	• A 20 percent increase in turbidity when the background turbidity is more than 50 NTU.
Non-anadromous Interior Redband Trout	Turbidity shall not exceed: • 5 NTU over background when the background is 50 NTU or less; or
	• A 10 percent increase in turbidity when the background turbidity is more than 50 NTU.
Indigenous Warm Water Species	Turbidity shall not exceed: • 10 NTU over background when the background is 50 NTU or less; or
	• A 20 percent increase in turbidity when the background turbidity is more than 50 NTU.

(i) The turbidity criteria established under WAC 173-201A-200 (1)(e) shall be modified, without specific written authorization from the department, to allow a temporary area of mixing during and immediately after necessary in-water construction activities that result in the disturbance of in-place sediments. This temporary area of mixing is subject to the constraints of WAC 173-201A-400 (4) and (6) and can occur only after the activity has received all other necessary local and state permits and approvals, and after the implementation of appropriate best management practices to avoid or minimize disturbance of in-place sediments and exceedances of the turbidity criteria. A temporary area of mixing shall be as follows:

(A) For waters up to 10 cfs flow at the time of construction, the point of compliance shall be one hundred feet downstream from the activity causing the turbidity exceedance.

(B) For waters above 10 cfs up to 100 cfs flow at the time of construction, the point of compliance shall be two hundred feet downstream of the activity causing the turbidity exceedance.

(C) For waters above 100 cfs flow at the time of construction, the point of compliance shall be three hundred feet downstream of the activity causing the turbidity exceedance.

(D) For projects working within or along lakes, ponds, wetlands, estuaries, marine waters or other nonflowing waters, the point of compliance shall be at a radius of one hundred fifty feet from the activity causing the turbidity exceedance.

(f) **Aquatic life total dissolved gas (TDG) criteria.** TDG is measured in percent saturation. Table 200 (1)(f) lists the maximum TDG criteria for each of the aquatic life use categories.

Table 200 (1)(f)
Aquatic Life Total Dissolved Gas Criteria in Fresh Water

Category	Percent Saturation
Char Spawning and Rearing	Total dissolved gas shall not exceed 110 percent of saturation at any point of sample collection.
Core Summer Salmonid Habitat	Same as above.
Salmonid Spawning, Rearing, and Migration	Same as above.
Salmonid Rearing and Migration **Only**	Same as above.
Non-anadromous Interior Redband Trout	Same as above.
Indigenous Warm Water Species	Same as above.

(i) The water quality criteria established in this chapter for TDG shall not apply when the stream flow exceeds the seven-day, ten-year frequency flood.

(ii) The TDG criteria may be adjusted to aid fish passage over hydroelectric dams when consistent with a department approved gas abatement plan. This plan must be accompanied by fisheries management and physical and biological monitoring plans. The elevated TDG levels are intended to allow increased fish passage without causing more harm to fish populations than caused by turbine fish passage. The following special fish passage exemptions for the Snake and Columbia rivers apply when spilling water at dams is necessary to aid fish passage:

• TDG must not exceed an average of one hundred fifteen percent as measured in the forebays of the next downstream dams and must not exceed an average of one hundred twenty percent as measured in the tailraces of each dam (these averages are measured as an average of the twelve highest consecutive hourly readings in any one day, relative to atmospheric pressure); and

• A maximum TDG one hour average of one hundred twenty-five percent must not be exceeded during spillage for fish passage.

(g) **Aquatic life pH criteria.** Measurement of pH is expressed as the negative logarithm of the hydrogen ion concentration. Table 200 (1)(g) lists the pH levels for each of the aquatic life use categories.

Table 200 (1) (g)
Aquatic Life pH Criteria in Fresh Water

Use Category	pH Units
Char Spawning and Rearing	pH shall be within the range of 6.5 to 8.5, with a human-caused variation within the above range of less than 0.2 units.
Core Summer Salmonid Habitat	Same as above.
Salmonid Spawning, Rearing, and Migration	pH shall be within the range of 6.5 to 8.5 with a human-caused variation within the above range of less than 0.5 units.
Salmonid Rearing and Migration **Only**	Same as above.
Non-anadromous Interior Redband Trout	Same as above.
Indigenous Warm Water Species	Same as above.

(2) **Recreational uses.** The recreational uses are extraordinary primary contact recreation, primary contact recreation, and secondary contact recreation.

(a) **General criteria.** General criteria that apply to fresh water recreational uses are described in WAC 173-201A-260 (2)(a) and (b), and are for:

(i) Toxic, radioactive, and deleterious materials; and

(ii) Aesthetic values.

(b) **Water contact recreation bacteria criteria.** Table 200 (2)(b) lists the bacteria criteria to protect water contact recreation in fresh waters.

Table 200 (2)(b)
Water Contact Recreation Bacteria Criteria in Fresh Water

Category	Bacteria Indicator
Extraordinary Primary Contact Recreation	Fecal coliform organism levels must not exceed a geometric mean value of 50 colonies/100 mL, with not more than 10 percent of all samples (or any single sample when less than ten sample points exist) obtained for calculating the geometric mean value exceeding 100 colonies/100 mL.
Primary Contact Recreation	Fecal coliform organism levels must not exceed a geometric mean value of 100 colonies /100 mL, with not more than 10 percent of all samples (or any single sample when less than ten sample points exist) obtained for calculating the geometric mean value exceeding 200 colonies /100 mL.
Secondary Contact Recreation	Fecal coliform organism levels must not exceed a geometric mean value of 200 colonies/100 mL, with not more than 10 percent of all samples (or any single sample when less than ten sample points exist) obtained for calculating the geometric mean value exceeding 400 colonies /100 mL.

(i) When averaging bacteria sample data for comparison to the geometric mean criteria, it is preferable to average by season and include five or more data collection events within each period. Averaging of data collected beyond a thirty-day period, or beyond a specific discharge event under investigation, is not permitted when such averaging would skew the data set so as to mask noncompliance periods. The period of averaging should not exceed twelve months, and should have sample collection dates well distributed throughout the reporting period.

(ii) When determining compliance with the bacteria criteria in or around small sensitive areas, such as swimming beaches, it is recommended that multiple

samples are taken throughout the area during each visit. Such multiple samples should be arithmetically averaged together (to reduce concerns with low bias when the data is later used in calculating a geometric mean) to reduce sample variability and to create a single representative data point.

(iii) As determined necessary by the department, more stringent bacteria criteria may be established for rivers and streams that cause, or significantly contribute to, the decertification or conditional certification of commercial or recreational shellfish harvest areas, even when the preassigned bacteria criteria for the river or stream are being met.

(iv) Where information suggests that sample results are due primarily to sources other than warm-blooded animals (e.g., wood waste), alternative indicator criteria may be established on a site-specific basis by the department.

(3) **Water supply uses.** The water supply uses are domestic, agricultural, industrial, and stock watering.

General criteria. General criteria that apply to the water supply uses are described in WAC 173-201A-260 (2)(a) and (b), and are for:

(a) Toxic, radioactive, and deleterious materials; and

(b) Aesthetic values.

(4) **Miscellaneous uses.** The miscellaneous fresh water uses are wildlife habitat, harvesting, commerce and navigation, boating, and aesthetics.

General criteria. General criteria that apply to miscellaneous fresh water uses are described in WAC 173-201A-260 (2)(a) and (b), and are for:

(a) Toxic, radioactive, and deleterious materials; and

(b) Aesthetic values.

[Statutory Authority: Chapters 90.48 and 90.54 RCW. 03-14-129 (Order 02-14), § 173-201A-200, filed 7/1/03, effective 8/1/03.]

173-201A-210
Marine water designated uses and criteria.

The following uses are designated for protection in marine surface waters of the state of Washington. Use designations for specific water bodies are listed in WAC 173-201A-612.

(1) **Aquatic life uses.** Aquatic life uses are designated using the following general categories. It is required that all indigenous fish and nonfish aquatic species be protected in waters of the state.

(a) **The categories for aquatic life uses are:**

(i) **Extraordinary quality** salmonid and other fish migration, rearing, and spawning; clam, oyster, and mussel rearing and spawning; crustaceans and other shellfish (crabs, shrimp, crayfish, scallops, etc.) rearing and spawning.

(ii) **Excellent quality** salmonid and other fish migration, rearing, and spawning; clam, oyster, and mussel rearing and spawning; crustaceans and other shellfish (crabs, shrimp, crayfish, scallops, etc.) rearing and spawning.

(iii) **Good quality** salmonid migration and rearing; other fish migration, rearing, and spawning; clam, oyster, and mussel rearing and spawning; crustaceans and other shellfish (crabs, shrimp, crayfish, scallops, etc.) rearing and spawning.

(iv) **Fair quality** salmonid and other fish migration.

(b) **General criteria.** General criteria that apply to aquatic life marine water uses are described in WAC 173-201A-260 (2)(a) and (b), and are for:

(i) Toxic, radioactive, and deleterious materials; and

(ii) Aesthetic values.

(c) **Aquatic life temperature criteria.** Except where noted, temperature is measured as a 1-day maximum temperature (1-DMax). Table 210 (1)(c) lists the temperature criteria for each of the aquatic life use categories.

Table 210 (1)(c)
Aquatic Life Temperature Criteria in Marine Water

Category	Highest 1-DMax
Extraordinary quality	13°C (55.4°F)
Excellent quality	16°C (60.8°F)
Good quality	19°C (66.2°F)
Fair quality	22°C (71.6°F)

(i) When a water body's temperature is warmer than the criteria in Table 210 (1)(c) (or within 0.3°C (0.54°F) of the criteria) and that condition is due to natural conditions, then human actions considered cumulatively may not cause the 7-DADMax temperature of that water body to increase more than 0.3°C (0.54°F).

(ii) When the natural condition of the water is cooler than the criteria in Table 210 (1)(c), the allowable rate of warming up to, but not exceeding, the numeric criteria from human actions is restricted as follows:

(A) Incremental temperature increases resulting from individual point source activities must not, at any time, exceed 12/(T-2) as measured at the edge of a mixing zone boundary (where "T" represents the background temperature as measured at a point or points unaffected by the discharge and representative of the highest ambient water temperature in the vicinity of the discharge); and

(B) Incremental temperature increases resulting from the combined effect of all nonpoint source activities in the water body must not, at any time, exceed 2.8°C (5.04°F).

(iii) Temperatures are not to exceed the criteria at a probability frequency of more than once every ten years on average.

(iv) Temperature measurements should be taken to represent the dominant aquatic habitat of the monitoring site. This typically means samples should not be taken from shallow stagnant backwater areas, within isolated thermal refuges, at the surface, or at the water's edge.

(v) The department will incorporate the following guidelines on preventing acute lethality and barriers to migration of salmonids into determinations of compliance with the narrative requirements for use protection established in this chapter (e.g., WAC 173-201A-310(1), 173-201A-400(4), and 173-201A-410 (1)(c)). The following site-level considerations do not, however, override the temperature criteria established for waters in subsection (1)(c) of this subsection or WAC 173-201A-612:

(A) Moderately acclimated (16-20°C, or 60.8-68°F) adult and juvenile salmonids will generally be protected from acute lethality by discrete human actions maintaining the 7-DADMax temperature at or below 22°C (71.6°F) and the 1-DMax temperature at or below 23°C (73.4°F).

(B) Lethality to developing fish embryos can be expected to occur at a 1-DMax temperature greater than 17.5°C (63.5°F).

(C) To protect aquatic organisms, discharge plume temperatures must be maintained such that fish could not be entrained (based on plume time of travel) for more than two seconds at temperatures above 33°C (91.4°F) to avoid creating areas that will cause near instantaneous lethality.

(D) Barriers to adult salmonid migration are assumed to exist any time the 1-DMax temperature is greater than 22°C (71.6°F) and the adjacent downstream water temperatures are 3°C (5.4°F) or more cooler.

(vi) Nothing in this chapter shall be interpreted to prohibit the establishment of effluent limitations for the control of the thermal component of any discharge in accordance with 33 U.S.C. 1326 (commonly known as section 316 of the Clean Water Act).

(d) **Aquatic life dissolved oxygen (D.O.) criteria.** Except where noted, D.O. concentrations are measured as a 1-day minimum in milligrams per liter. Table 210 (1)(d) lists the D.O. criteria for each of the aquatic life use categories.

Table 210 (1)(d)
Aquatic Life Dissolved Oxygen Criteria in Marine Water

Category	Lowest 1-Day Minimum
Extraordinary quality	7.0 mg/L
Excellent quality	6.0 mg/L
Good quality	5.0 mg/L
Fair quality	4.0 mg/L

(i) When a waterbody's D.O. is lower than the criteria in Table 210 (1)(d) (or within 0.2 mg/L of the criteria) and that condition is due to natural conditions, then human actions considered cumulatively may not cause the D.O. of that water body to decrease more than 0.2 mg/L.

(ii) Concentrations of D.O. are not to fall below the criteria in the table at a probability frequency of more than once every ten years on average.

(iii) D.O. measurements should be taken to represent the dominant aquatic habitat of the monitoring site. This typically means samples should not be taken from shallow stagnant backwater areas, within isolated thermal refuges, at the surface, or at the water's edge.

(e) **Aquatic life turbidity criteria.** Turbidity is measured in "nephelometric turbidity units" or "NTUs." Table 210 (1)(e) lists the one-day maximum turbidity allowed as a result of human actions for each of the aquatic life use categories.

Table 210 (1) (e)
Aquatic Life Turbidity Criteria in Marine Water

Category	NTUs
Extraordinary quality	Turbidity must not exceed: • 5 NTU over background when the background is 50 NTU or less; or • A 10 percent increase in turbidity when the background turbidity is more than 50 NTU.
Excellent quality	Same as above.
Good quality	Turbidity must not exceed: • 10 NTU over background when the background is 50 NTU or less; or • A 20 percent increase in turbidity when the background turbidity is more than 50 NTU.
Fair quality	Same as above.

(i) The turbidity criteria established under WAC 173-201A-210 (1)(e) shall be modified, without specific written authorization from the department, to allow a temporary area of mixing during and immediately after necessary in-water construction activities that result in the disturbance of in-place sediments. This temporary area of mixing is subject to the constraints of WAC 173-201A-400 (4) and (6) and can occur only after the activity has received all other necessary local and state permits and approvals, and after the implementation of appropriate best management practices to avoid or minimize disturbance of in-place sediments and exceedances of the turbidity criteria. A temporary area of mixing shall be as follows:

(A) For waters up to 10 cfs flow at the time of construction, the point of compliance shall be one hundred feet downstream from the activity causing the turbidity exceedance.
(B) For waters above 10 cfs up to 100 cfs flow at the time of construction, the point of compliance shall be two hundred feet downstream of the activity causing the turbidity exceedance.

(C) For waters above 100 cfs flow at the time of construction, the point of compliance shall be three hundred feet downstream of the activity causing the turbidity exceedance.

(D) For projects working within or along lakes, ponds, wetlands, estuaries, marine waters or other nonflowing waters, the point of compliance shall be at a radius of one hundred fifty feet from the activity causing the turbidity exceedance.

(f) **Aquatic life pH criteria.** Measurement of pH is expressed as the negative logarithm of the hydrogen ion concentration. Table 210 (1)(f) lists the pH levels allowed as a result of human actions for each of the aquatic life use categories.

Table 210 (1)(f)
Aquatic Life pH Criteria in Marine Water

Use Category	pH Units
Extraordinary quality	pH must be within the range of 7.0 to 8.5 with a human-caused variation within the above range of less than 0.2 units.
Excellent quality	pH must be within the range of 7.0 to 8.5 with a human-caused variation within the above range of less than 0.5 units.
Good quality	Same as above.
Fair quality	pH must be within the range of 6.5 to 9.0 with a human-caused variation within the above range of less than 0.5 units.

(2) **Shellfish harvesting.**

(a) General criteria. General criteria that apply to shellfish harvesting uses for marine water are described in WAC 173-201A-260 (2)(a) and (b), and are for:

(i) Toxic, radioactive, and deleterious materials; and

(ii) Aesthetic values.

(b) **Shellfish harvesting bacteria criteria.** To protect shellfish harvesting, fecal coliform organism levels must not exceed a geometric mean value of 14 colonies/100 mL, and not have more than 10 percent of all samples (or any single sample when less than ten sample points exist) obtained for calculating the geometric mean value exceeding 43 colonies/100 mL.

(i) Shellfish growing areas approved for unconditional harvest by the state department of health are fully supporting the shellfish harvest goals of this chapter, even when comparison with the criteria contained in this chapter suggest otherwise.

(ii) When averaging bacteria sample data for comparison to the geometric mean criteria, it is preferable to average by season and include five or more data collection events within each period. Averaging of data collected beyond a thirty-day period, or beyond a specific discharge event under investigation, is not permitted when such averaging would skew the data set so as to mask noncompliance periods. The period of averaging should not exceed twelve months, and should have sample collection dates well distributed throughout the reporting period.

(iii) When determining compliance with the bacteria criteria in or around small sensitive areas, it is recommended that multiple samples are taken throughout the area during each visit. Such multiple samples should be arithmetically averaged together (to reduce concerns with low bias when the data is later used in calculating a geometric mean) to reduce sample variability and to create a single representative data point.

(iv) As determined necessary by the department, more stringent bacteria criteria may be established for waters that cause, or significantly contribute to, the decertification or conditional certification of commercial or recreational shellfish harvest areas, even when the preassigned bacteria criteria for the water is being met.

(v) Where information suggests that sample results are due primarily to sources other than warm-blooded animals (e.g., wood waste), alternative indicator criteria may be established on a site-specific basis by the department.

(3) **Recreational uses.** The recreational uses are primary contact recreation and secondary contact recreation.

(a) **General criteria.** General criteria that apply to water contact uses for marine water are described in WAC 173-201A-260 (2)(a) and (b), and are for:

(i) Toxic, radioactive, and deleterious materials; and

(ii) Aesthetic values.

(b) **Water contact recreation bacteria criteria.** Table 210 (3)(b) lists the bacteria criteria to protect water contact recreation in marine water.

Table 210 (3)(b)
Water Contact Recreation Bacteria Criteria in Marine Water

Category	Bacteria Indicator
Primary Contact Recreation	Fecal coliform organism levels must not exceed a geometric mean value of 14 colonies/100 mL, with not more than 10 percent of all samples (or any single sample when less than ten sample points exist) obtained for calculating the geometric mean value exceeding 43 colonies /100 mL.
Secondary Contact Recreation	Enterococci organism levels must not exceed a geometric mean value of 70 colonies/100 mL, with not more than 10 percent of all samples (or any single sample when less than ten sample points exist) obtained for calculating the geometric mean value exceeding 208 colonies/100 mL.

(i) When averaging bacteria sample data for comparison to the geometric mean criteria, it is preferable to average by season and include five or more data collection events within each period. Averaging of data collected beyond a thirty-day period, or beyond a specific discharge event under investigation, is not permitted when such averaging would skew the data set so as to mask noncompliance periods. The period of averaging should not exceed twelve months, and should have sample collection dates well distributed throughout the reporting period.

(ii) When determining compliance with the bacteria criteria in or around small sensitive areas, such as swimming beaches, it is recommended that multiple samples are taken throughout the area during each visit. Such multiple samples should be arithmetically averaged together (to reduce concerns with low bias when the data is later used in calculating a geometric mean) to reduce sample variability and to create a single representative data point.

(iii) As determined necessary by the department, more stringent bacteria criteria may be established for waters that cause, or significantly contribute to, the decertification or conditional certification of commercial or recreational shellfish harvest areas, even when the preassigned bacteria criteria for the water is being met.

(iv) Where information suggests that sample results are due primarily to sources other than warm-blooded animals (e.g., wood waste), alternative indicator criteria may be established on a site-specific basis by the department.

(4) **Miscellaneous uses.** The miscellaneous marine water uses are wildlife habitat, harvesting, commerce and navigation, boating, and aesthetics.

General criteria. General criteria that apply in miscellaneous marine water uses are described in WAC 173-201A-260 (2)(a) and (b), and are for:

(a) Toxic, radioactive, and deleterious materials; and

(b) Aesthetic values.

[Statutory Authority: Chapters 90.48 and 90.54 RCW. 03-14-129 (Order 02-14), § 173-201A-210, filed 7/1/03, effective 8/1/03.]

173-201A-230
Establishing lake nutrient criteria.

(1) The following table shall be used to aid in establishing nutrient criteria:

Table 230(1)
The ecoregional and trophic-state action values for establishing nutrient criteria:

Coast Range, Puget Lowlands, and Northern Rockies Ecoregions:		
Trophic State	**If Ambient TP (µg/l) Range of Lake is:**	**Then criteria should be set at:**
Ultra-oligotrophic	0-4	4 or less
Oligotrophic	>4-10	10 or less
Lower mesotrophic	>10-20	20 or less
	Action value	
	>20	lake specific study may be initiated.
Cascades Ecoregion:		
Trophic State	**If Ambient TP (µg/l) Range of Lake is:**	**Then criteria should be set at:**

Ultra-oligotrophic	0-4	4 or less
Oligotrophic	>4-10	10 or less
	Action value	
	>10	lake specific study may be initiated.
Columbia Basin Ecoregion:		
Trophic State	**If Ambient TP (µg/l)** **Range of Lake is:**	**Then criteria** **should be set at:**
Ultra-oligotrophic	0-4	4 or less
Oligotrophic	>4-10	10 or less
Lower mesotrophic	>10-20	20 or less
Upper mesotrophic	>20-35	35 or less
	Action value	
	>35	lake specific study may be initiated.

Lakes in the Willamette, East Cascade Foothills, or Blue Mountain ecoregions do not have recommended values and need to have lake-specific studies in order to receive criteria as described in subsection (3) of this section.

(2) The following actions are recommended if ambient monitoring of a lake shows the epilimnetic total phosphorus concentration, as shown in Table 1 of this section, is below the action value for an ecoregion:

(a) Determine trophic status from existing or newly gathered data. The recommended minimum sampling to determine trophic status is calculated as the mean of four or more samples collected from the epilimnion between June through September in one or more consecutive years. Sampling must be spread throughout the season.

(b) Propose criteria at or below the upper limit of the trophic state; or

(c) Conduct lake-specific study to determine and propose to adopt appropriate criteria as described in (3) of this subsection.

(3) The following actions are recommended if ambient monitoring of a lake shows total phosphorus to exceed the action value for an ecoregion shown in Table 1 of this section or where recommended ecoregional action values do not exist:

(a) Conduct a lake-specific study to evaluate the characteristic uses of the lake. A lake-specific study may vary depending on the source or threat of impairment. Phytoplankton blooms, toxic phytoplankton, or excessive aquatic plants, are examples of various sources of impairment. The following are examples of quantitative measures that a study may describe: Total phosphorus, total nitrogen, chlorophyll-a, dissolved oxygen in the hypolimnion if thermally stratified, pH, hardness, or other measures of existing conditions and potential changes in any one of these parameters.

(b) Determine appropriate total phosphorus concentrations or other nutrient criteria to protect characteristic lake uses. If the existing total phosphorus concentration is protective of characteristic lake uses, then set criteria at existing total phosphorus concentration. If the existing total phosphorus concentration is not protective of the existing characteristic lake uses, then set criteria at a protective concentration. Proposals to adopt appropriate total phosphorus criteria to protect characteristic uses must be developed by considering technical information and stakeholder input as part of a public involvement process equivalent to the Administrative Procedure Act (chapter 34.05 RCW).

(c) Determine if the proposed total phosphorus criteria necessary to protect characteristic uses is achievable. If the recommended criterion is not achievable and if the characteristic use the criterion is intended to protect is not an existing use, then a higher criterion may be proposed in conformance with 40 CFR part 131.10.

(4) The department will consider proposed lake-specific nutrient criteria during any water quality standards rule making that follows development of a proposal. Adoption by rule formally establishes the criteria for that lake.

(5) Prioritization and investigation of lakes by the department will be initiated by listing problem lakes in a watershed needs assessment, and scheduled as part of the water quality program's watershed approach to pollution control. This prioritization will apply to lakes identified as warranting a criteria based on the results of a lake-specific study, to lakes warranting a lake-specific study for establishing criteria, and to lakes requiring restoration and pollution control measures due to exceedance of an established criterion. The adoption of nutrient criteria are generally not intended to apply to lakes or ponds with a surface area smaller than five acres; or to ponds wholly contained on private property owned and surrounded by a single landowner; and nutrients do not drain or leach from these lakes or private ponds to the detriment of other property owners or other water bodies; and do not impact designated uses in the lake. However, if the landowner proposes criteria the department may consider adoption.

(6) The department may not need to set a lake-specific criteria or further investigate a lake if existing water quality conditions are naturally poorer (higher TP) than the action value and uses have not been lost or degraded, per WAC 173-201A-260(1).

[Statutory Authority: Chapters 90.48 and 90.54 RCW. 03-14-129 (Order 02-14), § 173-201A-230, filed 7/1/03, effective 8/1/03.]

173-201A-240
Toxic substances.

(1) Toxic substances shall not be introduced above natural background levels in waters of the state which have the potential either singularly or cumulatively to adversely affect characteristic water uses, cause acute or chronic toxicity to the most sensitive biota dependent upon those waters, or adversely affect public health, as determined by the department.

(2) The department shall employ or require chemical testing, acute and chronic toxicity testing, and biological assessments, as appropriate, to evaluate compliance with subsection (1) of this section and to ensure that aquatic communities and the existing and characteristic beneficial uses of waters are being fully protected.

(3) The following criteria, found in Table 240(3), shall be applied to all surface waters of the state of Washington for the protection of aquatic life. The department may revise the following criteria on a statewide or water body-specific basis as needed to protect aquatic life occurring in waters of the state and to increase the technical accuracy of the criteria being applied. The department shall formally adopt any appropriate revised criteria as part of this chapter in accordance with the provisions established in chapter 34.05 RCW, the Administrative Procedure Act. The department shall ensure there are early opportunities for public review and comment on proposals to develop revised criteria. Values are µg/L for all substances except Ammonia and Chloride which are mg/L:

Table 240(3)
Toxics Substances Criteria

	Freshwater		Marine Water	
Substance	Acute	Chronic	Acute	Chronic
Aldrin/Dieldrin e	2.5a	0.0019b	0.71a	0.0019b
Ammonia	f,c	g,d	0.233h,c	0.035h,d
(un-ionized NH3) hh				
Arsenic dd	360.0c	190.0d	69.0c,ll	36.0d,cc,ll
Cadmium dd	i,c	j,d	42.0c	9.3d
Chlordane	2.4a	0.0043b	0.09a	0.004b
Chloride (Dissolved) k	860.0h,c	230.0h,d	-	-
Chlorine (Total Residual)	19.0c	11.0d	13.0c	7.5d
Chlorpyrifos	0.083c	0.041d	0.011c	0.0056d
Chromium (Hex) dd	15.0c,l,ii	10.0d,jj	1,100.0c,l,ll	50.0d,ll
Chromium (Tri) gg	m,c	n,d	-	-
Copper dd	o,c	p,d	4.8c,ll	3.1d,ll
Cyanide ee	22.0c	5.2d	1.0c,mm	d,mm
DDT (and metabolites)	1.1a	0.001b	0.13a	0.001b
Dieldrin/Aldrin e	2.5a	0.0019b	0.71a	0.0019b
Endosulfan	0.22a	0.056b	0.034a	0.0087b
Endrin	0.18a	0.0023b	0.037a	0.0023b

Heptachlor	0.52a	0.0038b		0.053a	0.0036b
Hexachlorocyclohexane (Lindane)	2.0a	0.08b		0.16a	-
Lead dd	q,c	r,d		210.0c,ll	8.1d,ll
Mercury s	2.1c,kk,dd	0.012d,ff		1.8c,ll,dd	0.025d,ff
Nickel dd	t,c	u,d		74.0c,ll	8.2d,ll
Parathion	0.065c	0.013d		-	-
Pentachlorophenol (PCP)	w,c	v,d		13.0c	7.9d
Polychlorinated					
Biphenyls (PCBs)	2.0b	0.014b		10.0b	0.030b
Selenium	20.0c,ff	5.0d,ff		290c,ll,dd	71.0d, x,ll,dd
Silver dd	y,a	-		1.9a,ll	-
Toxaphene	0.73c,z	0.0002d		0.21c,z	0.0002d
Zinc dd	aa,c	bb,d		90.0c,ll	81.0d,ll

Notes to Table 240(3):

a.	An instantaneous concentration not to be exceeded at any time.
b.	A 24-hour average not to be exceeded.
c.	A 1-hour average concentration not to be exceeded more than once every three years on the average.
d.	A 4-day average concentration not to be exceeded more than once every three years on the average.
e.	Aldrin is metabolically converted to Dieldrin. Therefore, the sum of the Aldrin and Dieldrin concentrations are compared with the Dieldrin criteria.
f.	Shall not exceed the numerical value in total ammonia nitrogen (mg N/L) given by:

For salmonids present:	$\frac{0.275}{1 + 10^{7.204 - pH}}$	+	$\frac{39.0}{1 + 10^{pH - 7.204}}$
For salmonids absent:	$\frac{0.411}{1 + 10^{7.204 - pH}}$	+	$\frac{58.4}{1 + 10^{pH - 7.204}}$

g.	Shall not exceed the numerical concentration calculated as follows:
	Unionized ammonia concentration for waters where salmonid habitat is an existing or designated use:

	0.80 ÷ (FT)(FPH)(RATIO)			
where:		RATIO	=	13.5; 7.7 ≤ pH ≤ 9
		RATIO	=	

		$(20.25 \times 10^{(7.7-pH)}) \div (1\ 10^{(7.4-pH)})$; $6.5 \leq pH \leq 7.7$	
	FT	=	1.4; $15 \leq T \leq 30$
	FT	=	$10^{[0.03(20-T)]}$; $0 \leq T \leq 15$
	FPH	=	1; $8 \leq pH \leq 9$
	FPH	=	$(1 + 10^{(7.4-pH)}) \div 1.25$; $6.5 \leq pH \leq 8.0$

	Total ammonia concentrations for waters where salmonid habitat is not an existing or designated use and other fish early life stages are absent:

	Chronic criterion	=	(	$\frac{0.0557}{1 + 10^{7.688 - pH}}$	+	$\frac{2.487}{1 + 10^{pH - 7.688}}$	)	$(1.45 \times 10^{0.028(25-A)})$
	where: A	=	the greater of either T (temperature in degrees Celsius) or 7.					

Applied as a thirty-day average concentration of total ammonia nitrogen (in mg N/L) not to be exceeded more than once every three years on average. The highest four-day average within the thirty-day period should not exceed 2.5 times the chronic criterion.

Total ammonia concentration for waters where salmonid habitat is not an existing or designated use and other fish early life stages are present:

	Chronic criterion	=	(	$\frac{0.0557}{1 + 10^{7.688 - pH}}$	+	$\frac{2.487}{1 + 10^{pH - 7.688}}$	)	(B)
	where: B	=	the lower of either 2.85, or $1.45 \times 10^{0.028 \times (25-T)}$. T = temperature in degrees Celsius.					

	Applied as a thirty-day average concentration of total ammonia nitrogen (in mg N/L) not to be exceeded more than once every three years on the average. The highest four-day average within the thirty-day period should not exceed 2.5 times the chronic criterion.
h.	Measured in milligrams per liter rather than micrograms per liter.
i.	≤ (0.944)(e(1.128[ln(hardness)]-3.828)) at hardness =100. Conversion factor (CF) of 0.944 is hardness dependent. CF is calculated for other hardnesses as follows: CF = 1.136672 - [(ln hardness)(0.041838)].
j.	≤ (0.909)(e(0.7852[ln(hardness)]-3.490)) at hardness =100. Conversions factor (CF) of 0.909 is hardness dependent. CF is calculated for other hardnesses as follows: CF = 1.101672 - [(ln hardness)(0.041838)].
k.	Criterion based on dissolved chloride in association with sodium. This criterion probably will not be adequately protective when the chloride is associated with potassium, calcium, or magnesium, rather than sodium.
l.	Salinity dependent effects. At low salinity the 1-hour average may not be sufficiently protective.

m.	≤ $(0.316)e^{(0.8190[\ln(\text{hardness})]\ 3.688)}$
n.	≤ $(0.860)e^{(0.8190[\ln(\text{hardness})]\ 1.561)}$
o.	≤ $(0.960)(e^{(0.9422[\ln(\text{hardness})]\ -\ 1.464)})$
p.	≤ $(0.960)(e^{(0.8545[\ln(\text{hardness})]\ -\ 1.465)})$
q.	≤ $(0.791)(e^{(1.273[\ln(\text{hardness})]\ -\ 1.460)})$ at hardness = 100. Conversion factor (CF) of 0.791 is hardness dependent. CF is calculated for other hardnesses as follows: CF = 1.46203 - [(ln hardness)(0.145712)].
r.	≤ $(0.791)(e^{(1.273[\ln(\text{hardness})]\ -\ 4.705)})$ at hardness = 100. Conversion factor (CF) of 0.791 is hardness dependent. CF is calculated for other hardnesses as follows: CF = 1.46203 - [(ln hardness)(0.145712)].
s.	If the four-day average chronic concentration is exceeded more than once in a three-year period, the edible portion of the consumed species should be analyzed. Said edible tissue concentrations shall not be allowed to exceed 1.0 mg/kg of methylmercury.
t.	≤ $(0.998)(e^{(0.8460[\ln(\text{hardness})]\ 3.3612)})$
u.	≤ $(0.997)(e^{(0.8460[\ln(\text{hardness})]\ 1.1645)})$
v.	≤ $e^{[1.005(\text{pH})\ -\ 5.290]}$
w.	≤ $e^{[1.005(\text{pH})\ -\ 4.830]}$
x.	The status of the fish community should be monitored whenever the concentration of selenium exceeds 5.0 ug/ l in salt water.
y.	≤ $(0.85)(e^{(1.72[\ln(\text{hardness})]\ -\ 6.52)})$
z.	Channel Catfish may be more acutely sensitive.
aa.	≤ $(0.978)(e^{(0.8473[\ln(\text{hardness})]\ 0.8604)})$
bb.	≤ $(0.986)(e^{(0.8473[\ln(\text{hardness})]\ 0.7614)})$
cc.	Nonlethal effects (growth, C-14 uptake, and chlorophyll production) to diatoms (*Thalassiosira aestivalis* and *Skeletonema costatum*) which are common to Washington's waters have been noted at levels below the established criteria. The importance of these effects to the diatom populations and the aquatic system is sufficiently in question to persuade the state to adopt the USEPA National Criteria value (36 µg/L) as the state threshold criteria, however, wherever practical the ambient concentrations should not be allowed to exceed a chronic marine concentration of 21 µg/L.
dd.	These ambient criteria in the table are for the dissolved fraction. The cyanide criteria are based on the weak acid dissociable method. The metals criteria may not be used to calculate total recoverable effluent limits unless the seasonal partitioning of the dissolved to total metals in the ambient water are known. When this information is absent, these metals criteria shall be applied as total recoverable values, determined by back-calculation, using the conversion factors incorporated in the criterion equations. Metals criteria may be adjusted on a site-specific basis when data are made available to the department clearly demonstrating the effective use of the water effects ratio approach established by USEPA, as generally guided by the procedures in USEPA Water Quality Standards Handbook, December 1983, as supplemented or replaced by USEPA or ecology. Information which is used to develop effluent limits based on applying metals partitioning studies or the water effects ratio approach shall be identified in the permit fact sheet developed pursuant to WAC 173-220-060 or 173-226-110, as appropriate, and shall be made available for the public comment period required pursuant to WAC 173-220-050 or 173-226-130(3), as appropriate. Ecology has developed supplemental guidance for conducting water effect ratio

	studies.
ee.	The criteria for cyanide is based on the weak acid dissociable method in the 17th Ed. Standard Methods for the Examination of Water and Wastewater, 4500-CN I, and as revised (see footnote dd, above).
ff.	These criteria are based on the total-recoverable fraction of the metal.
gg.	Where methods to measure trivalent chromium are unavailable, these criteria are to be represented by total-recoverable chromium.
hh.	The listed fresh water criteria are based on unionized or total ammonia concentrations, while those for marine water are based on total ammonia concentrations. Tables for the conversion of total ammonia to un-ionized ammonia for freshwater can be found in the USEPA's Quality Criteria for Water, 1986. Criteria concentrations based on total ammonia for marine water can be found in USEPA Ambient Water Quality Criteria for Ammonia (Saltwater)-1989, EPA440/5-88-004, April 1989.
ii.	The conversion factor used to calculate the dissolved metal concentration was 0.982.
jj.	The conversion factor used to calculate the dissolved metal concentration was 0.962.
kk.	The conversion factor used to calculate the dissolved metal concentration was 0.85.
ll.	Marine conversion factors (CF) which were used for calculating dissolved metals concentrations are given below. Conversion factors are applicable to both acute and chronic criteria for all metals except mercury. The CF for mercury was applied to the acute criterion only and is not applicable to the chronic criterion. Conversion factors are already incorporated into the criteria in the table. Dissolved criterion = criterion x CF

	Metal	CF	
	Arsenic	1.000	
	Cadmium	0.994	
	Chromium (VI)	0.993	
	Copper	0.83	
	Lead	0.951	
	Mercury	0.85	
	Nickel	0.990	
	Selenium	0.998	
	Silver	0.85	
	Zinc	0.946	

mm. The cyanide criteria are: 2.8µg/l chronic and 9.1µg/l acute and are applicable only to waters which are east of a line from Point Roberts to Lawrence Point, to Green Point to Deception Pass; and south from Deception Pass and of a line from Partridge Point to Point Wilson. The chronic criterion applicable to the remainder of the marine waters is l µg/L.

(4) USEPA Quality Criteria for Water, 1986, as revised, shall be used in the use and interpretation of the values listed in subsection (3) of this section.

(5) Concentrations of toxic, and other substances with toxic propensities not listed in subsection (3) of this section shall be determined in consideration of USEPA Quality Criteria for Water,

1986, and as revised, and other relevant information as appropriate. Human health-based water quality criteria used by the state are contained in 40 CFR 131.36 (known as the National Toxics Rule).

(6) Risk-based criteria for carcinogenic substances shall be selected such that the upper-bound excess cancer risk is less than or equal to one in one million.

[Statutory Authority: Chapters 90.48 and 90.54 RCW. 03-14-129 (Order 02-14), amended and recodified as § 173-201A-240, filed 7/1/03, effective 8/1/03. Statutory Authority: Chapter 90.48 RCW and 40 CFR 131. 97-23-064 (Order 94-19), § 173-201A-040, filed 11/18/97, effective 12/19/97. Statutory Authority: Chapter 90.48 RCW. 92-24-037 (Order 92-29), § 173-201A-040, filed 11/25/92, effective 12/26/92.]

Notes:

Reviser's note: The brackets and enclosed material in the text of the above section occurred in the copy filed by the agency.

173-201A-250
Radioactive substances.

(1) Deleterious concentrations of radioactive materials for all classes shall be as determined by the lowest practicable concentration attainable and in no case shall exceed:

(a) 1/12.5 of the values listed in WAC 246-221-290 (Column 2, Table II, effluent concentrations, rules and regulations for radiation protection); or

(b) USEPA Drinking Water Regulations for radionuclides, as published in the Federal Register of July 9, 1976, or subsequent revisions thereto.

(2) Nothing in this chapter shall be interpreted to be applicable to those aspects of governmental regulation of radioactive waters which have been preempted from state regulation by the Atomic Energy Act of 1954, as amended, as interpreted by the United States Supreme Court in the cases of *Northern States Power Co. v. Minnesota 405 U.S. 1035 (1972) and Train v. Colorado Public Interest Research Group, 426 U.S. 1 (1976).*

[Statutory Authority: Chapters 90.48 and 90.54 RCW. 03-14-129 (Order 02-14), recodified as § 173-201A-250, filed 7/1/03, effective 8/1/03. Statutory Authority: Chapter 90.48 RCW and 40 CFR 131. 97-23-064 (Order 94-19), § 173-201A-050, filed 11/18/97, effective 12/19/97. Statutory Authority: Chapter 90.48 RCW. 92-24-037 (Order 92-29), § 173-201A-050, filed 11/25/92, effective 12/26/92.]

173-201A-260
Natural conditions and other water quality criteria and applications.

(1) **Natural and irreversible human conditions.**

(a) It is recognized that portions of many water bodies cannot meet the assigned criteria due to the natural conditions of the water body. When a water body does not meet its assigned criteria due to natural climatic or landscape attributes, the natural conditions constitute the water quality criteria.

(b) When a water body does not meet its assigned criteria due to human structural changes that cannot be effectively remedied (as determined consistent with the federal regulations at 40 CFR 131.10), then alternative estimates of the attainable water quality conditions, plus any further allowances for human effects specified in this chapter for when natural conditions exceed the criteria, may be used to establish an alternative criteria for the water body (see WAC 173-201A-440).

(2) **Toxics and aesthetics criteria.** The following narrative criteria apply to all existing and designated uses for fresh and marine water:

(a) Toxic, radioactive, or deleterious material concentrations must be below those which have the potential, either singularly or cumulatively, to adversely affect characteristic water uses, cause acute or chronic conditions to the most sensitive biota dependent upon those waters, or adversely affect public health (see WAC 173-201A-240, toxic substances, and 173-201A-250, radioactive substances).

(b) Aesthetic values must not be impaired by the presence of materials or their effects, excluding those of natural origin, which offend the senses of sight, smell, touch, or taste (see WAC 173-201A-230 for guidance on establishing lake nutrient standards to protect aesthetics).

(3) **Procedures for applying water quality criteria.** In applying the appropriate water quality criteria for a water, the department will use the following procedure:

(a) The department will establish water quality requirements for water bodies, in addition to those specifically listed in this chapter, on a case-specific basis where determined necessary to provide full support for designated and existing uses.

(b) Upstream actions must be conducted in manners that meet downstream water body criteria. Except where and to the extent described otherwise in this chapter, the criteria associated with the most upstream uses designated for a water body are to be applied to headwaters to protect nonfish aquatic species and the designated downstream uses.

(c) Where multiple criteria for the same water quality parameter are assigned to a water body to protect different uses, the most stringent criterion for each parameter is to be applied.

(d) At the boundary between water bodies protected for different uses, the more stringent criteria apply.

(e) In brackish waters of estuaries, where different criteria for the same use occurs for fresh and marine waters, the decision to use the fresh water or the marine water criteria must be selected and applied on the basis of vertically averaged daily maximum salinity, referred to below as "salinity."

(i) The fresh water criteria must be applied at any point where ninety-five percent of the salinity values are less than or equal to one part per thousand, except that the fresh water criteria for bacteria applies when the salinity is less than ten parts per thousand; and

(ii) The marine water criteria must apply at all other locations where the salinity values are greater than one part per thousand, except that the marine criteria for bacteria applies when the salinity is ten parts per thousand or greater.

(f) Numeric criteria established in this chapter are not intended for application to human created waters managed primarily for the removal or containment of pollution. This special provision also includes private farm ponds created from upland sites that did not incorporate natural water bodies.

(i) Waters covered under this provision must be managed so that:

(A) They do not create unreasonable risks to human health or uses of the water; and

(B) Discharges from these systems meet down gradient surface and ground water quality standards.

(ii) This provision does not apply to waterways designed and managed primarily to convey or transport water from one location to another, rather than to remove pollution en route.

(g) When applying the numeric criteria established in this chapter, the department will give consideration to the precision and accuracy of the sampling and analytical methods used, as well as the existing conditions at the time.

(h) The analytical testing methods for these numeric criteria must be in accordance with the "*Guidelines Establishing Test Procedures for the Analysis of Pollutants*" (*40 CFR Part 136*) or superseding methods published. The department may also approve other methods following consultation with adjacent states and with the approval of the USEPA.

(i) The primary means for protecting water quality in wetlands is through implementing the antidegradation procedures described in Part III of this chapter.

(i) In addition to designated uses, wetlands may have existing beneficial uses that are to be protected that include ground water exchange, shoreline stabilization, and storm water attenuation.

(ii) Water quality in wetlands is maintained and protected by maintaining the hydrologic conditions, hydrophytic vegetation, and substrate characteristics necessary to support existing and designated uses.

(iii) Wetlands must be delineated using the *Washington State Wetlands Identification and Delineation Manual*, in accordance with WAC 173-22-035.

[Statutory Authority: Chapters 90.48 and 90.54 RCW. 03-14-129 (Order 02-14), § 173-201A-260, filed 7/1/03, effective 8/1/03.]

Part III - Antidegradation

173-201A-300
Description.

(1) The antidegradation policy is guided by chapter 90.48 RCW, Water Pollution Control Act, chapter 90.54 RCW, Water Resources Act of 1971, and 40 CFR 131.12.

(2) The purpose of the antidegradation policy is to:

(a) Restore and maintain the highest possible quality of the surface waters of Washington;

(b) Describe situations under which water quality may be lowered from its current condition;

(c) Apply to human activities that are likely to have an impact on the water quality of a surface water;

(d) Ensure that all human activities that are likely to contribute to a lowering of water quality, at a minimum, apply all known, available, and reasonable methods of prevention, control, and treatment (AKART); and

(e) Apply three levels of protection for surface waters of the state, as generally described below:

(i) Tier I is used to ensure existing and designated uses are maintained and protected and applies to all waters and all sources of pollution.

(ii) Tier II is used to ensure that waters of a higher quality than the criteria assigned in this chapter are not degraded unless such lowering of water quality is necessary and in the overriding public interest. Tier II applies only to a specific list of polluting activities.

(iii) Tier III is used to prevent the degradation of waters formally listed in this chapter as "outstanding resource waters," and applies to all sources of pollution.

(3) **Habitat restoration.** Both temporary harm and permanent loss of existing uses may be allowed by the department where determined necessary to secure greater ecological benefits through major habitat restoration projects designed to return the natural physical structure and associated uses to a water body where the structure has been altered through human action.

[Statutory Authority: Chapters 90.48 and 90.54 RCW. 03-14-129 (Order 02-14), § 173-201A-300, filed 7/1/03, effective 8/1/03.]

173-201A-310
Tier I — Protection and maintenance of existing and designated uses.

(1) Existing and designated uses must be maintained and protected. No degradation may be allowed that would interfere with, or become injurious to, existing or designated uses, except as provided for in this chapter.

(2) For waters that do not meet assigned criteria, or protect existing or designated uses, the department will take appropriate and definitive steps to bring the water quality back into compliance with the water quality standards.

(3) Whenever the natural conditions of a water body are of a lower quality than the assigned criteria, the natural conditions constitute the water quality criteria. Where water quality criteria are not met because of natural conditions, human actions are not allowed to further lower the water quality, except where explicitly allowed in this chapter.

[Statutory Authority: Chapters 90.48 and 90.54 RCW. 03-14-129 (Order 02-14), § 173-201A-310, filed 7/1/03, effective 8/1/03.]

173-201A-320
Tier II — Protection of waters of higher quality than the standards.

(1) Whenever a water quality constituent is of a higher quality than a criterion designated for that water under this chapter, new or expanded actions within the categories identified in subsection (2) of this section that are expected to cause a measurable change in the quality of the water (see subsection (3) of this section) may not be allowed unless the department determines that the lowering of water quality is necessary and in the overriding public interest (see subsection (4) of this section).

(2) A Tier II review will only be conducted for new or expanded actions conducted under the following authorizations. Public involvement with the Tier II review will be conducted in accordance with the public involvement processes associated with these actions.

(a) National Pollutant Discharge Elimination System (NPDES) waste discharge permits;

(b) State waste discharge permits to surface waters;

(c) Federal Clean Water Act Section 401 water quality certifications; and

(d) Other water pollution control programs authorized, implemented, or administered by the department.

(3) **Definition of measurable change.** To determine that a lowering of water quality is necessary and in the overriding public interest, an analysis must be conducted for new or expanded actions when the resulting action has the potential to cause a measurable change in the physical, chemical, or biological quality of a water body. Measurable changes will be

determined based on an estimated change in water quality at a point outside the source area, after allowing for mixing consistent with WAC 173-201A-400(7). In the context of this regulation, a measurable change includes a:

(a) Temperature increase of 0.3°C or greater;

(b) Dissolved oxygen decrease of 0.2 mg/L or greater;

(c) Bacteria level increase of 2 cfu/100 mL or greater;

(d) pH change of 0.1 units or greater;

(e) Turbidity increase of 0.5 NTU or greater; or

(f) Any detectable increase in the concentration of a toxic or radioactive substance.

(4) **Necessary and overriding public interest determinations.** Once an activity has been determined to cause a measurable lowering in water quality, then an analysis must be conducted to determine if the lowering of water quality is necessary and in the overriding public interest. Information to conduct the analysis must be provided by the applicant seeking the authorization, or by the department in developing a general permit or pollution control program, and must include:

(a) A statement of the benefits and costs of the social, economic, and environmental effects associated with the lowering of water quality. This information will be used by the department to determine if the lowering of water quality is in the overriding public interest. Examples of information that can assist in this determination include:

(i) Economic benefits such as creating or expanding employment, increasing median family income, or increasing the community tax base;

(ii) Providing or contributing to necessary social services;

(iii) The use and demonstration of innovative pollution control and management approaches that would allow a significant improvement in AKART for a particular industry or category of action;

(iv) The prevention or remediation of environmental or public health threats;

(v) The societal and economic benefits of better health protection;

(vi) The preservation of assimilative capacity for future industry and development; and

(vii) The benefits associated with high water quality for uses such as fishing, recreation, and tourism.

(b) Information that identifies and selects the best combination of site, structural, and managerial approaches that can be feasibly implemented to prevent or minimize the

lowering of water quality. This information will be used by the department to determine if the lowering of water quality is necessary. Examples that may be considered as alternatives include:

(i) Pollution prevention measures (such as changes in plant processes, source reduction, and substitution with less toxic substances);

(ii) Recycle/reuse of waste by-products or production materials and fluids;

(iii) Application of water conservation methods;

(iv) Alternative or enhanced treatment technology;

(v) Improved operation and maintenance of existing treatment systems;

(vi) Seasonal or controlled discharge options to avoid critical conditions of water quality;

(vii) Establishing buffer areas with effective limits on activities;

(viii) Land application or infiltration to capture pollutants and reduce surface runoff, on-site treatment, or alternative discharge locations;

(ix) Water quality offsets as described in WAC 173-201A-450.

(5) The department retains the discretion to require that the applicant examine specific alternatives, or that additional information be provided to conduct the analysis.

(6) General permit and water pollution control programs are developed for a category of dischargers that have similar processes and pollutants. New or reissued general permits or other water pollution control programs authorized, implemented, or administered by the department will undergo an analysis under Tier II at the time the department develops and approves the general permit or program.

(a) Individual activities covered under these general permits or programs will not require a Tier II analysis.

(b) The department will describe in writing how the general permit or control program meets the antidegradation requirements of this section.

(c) The department recognizes that many water quality protection programs and their associated control technologies are in a continual state of improvement and development. As a result, information regarding the existence, effectiveness, or costs of control practices for reducing pollution and meeting the water quality standards may be incomplete. In these instances, the antidegradation requirements of this section can be considered met for general permits and programs that have a formal process to select, develop, adopt, and refine control practices for protecting water quality and meeting the intent of this section. This adaptive process must:

(i) Ensure that information is developed and used expeditiously to revise permit or program requirements;

(ii) Review and refine management and control programs in cycles not to exceed five years or the period of permit reissuance; and

(iii) Include a plan that describes how information will be obtained and used to ensure full compliance with this chapter. The plan must be developed and documented in advance of permit or program approval under this section.

(7) All authorizations under this section must still comply with the provisions of Tier I (WAC 173-201A-310).

[Statutory Authority: Chapters 90.48 and 90.54 RCW. 03-14-129 (Order 02-14), § 173-201A-320, filed 7/1/03, effective 8/1/03.]

173-201A-330
Tier III — Protection of outstanding resource waters.

Where a high quality water is designated as an outstanding resource water, the water quality and uses of those waters must be maintained and protected. As part of the public process, a qualifying water body may be designated as Tier III(A) which prohibits any and all future degradation, or Tier III(B) which allows for de minimis (below measurable amounts) degradation from well-controlled activities.

(1) To be eligible for designation as an outstanding resource water in Washington, one or more of the following must apply:

(a) The water is in a relatively pristine condition (largely absent human sources of degradation) or possesses exceptional water quality, and also occurs in federal and state parks, monuments, preserves, wildlife refuges, wilderness areas, marine sanctuaries, estuarine research reserves, or wild and scenic rivers;

(b) The water has unique aquatic habitat types (for example, peat bogs) that by conventional water quality parameters (such as dissolved oxygen, temperature, or sediment) are not considered high quality, but that are unique and regionally rare examples of their kind;

(c) The water has both high water quality and regionally unique recreational value;

(d) The water is of exceptional statewide ecological significance; or

(e) The water has cold water thermal refuges critical to the long-term protection of aquatic species. For this type of outstanding resource water, the nondegradation protection would apply only to temperature and dissolved oxygen.

(2) Any water or portion thereof that meets one or more of the conditions described in subsection (1) of this section may be designated for protection as an outstanding resource

water. A request for designation may be made by the department or through public nominations that are submitted to the department in writing and that include sufficient information to show how the water body meets the appropriate conditions identified in this section.

(3) After receiving a request for outstanding resource water designation, the department will:

(a) Respond within sixty days of receipt with a decision on whether the submitted information demonstrates that the water body meets the eligibility requirements for an outstanding resource water. If the submitted information demonstrates that the water body meets the eligibility requirements, the department will schedule a review of the nominated water for designation as an outstanding resource water. The review will include a public process and consultation with recognized tribes in the geographic vicinity of the water.

(b) In determining whether or not to designate an outstanding resource water, the department will consider factors relating to the difficulty of maintaining the current quality of the water body. Outstanding resource waters should not be designated where substantial and imminent social or economic impact to the local community will occur, unless local public support is overwhelmingly in favor of the designation. The department will carefully weigh the level of support from the public and affected governments in assessing whether or not to designate the water as an outstanding resource water.

(c) After considering public comments and weighing public support for the proposal, the department will make a final determination on whether a nominated water body should be adopted into this chapter as an outstanding resource water.

(4) A designated outstanding resource water will be maintained and protected from all degradation, except for the following situations:

(a) Temporary actions that are necessary to protect the public interest as approved by the department.

(b) Treatment works bypasses for sewage, waste, and stormwater are allowed where such a bypass is unavoidable to prevent the loss of life, personal injury, or severe property damage, and no feasible alternatives to the bypass exist.

(c) Response actions taken in accordance with the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), as amended, or similar federal or state authorities, to alleviate a release into the environment of substances which may pose an imminent and substantial danger to public health or welfare.

(d) The sources of degradation are from atmospheric deposition.

(5) Outstanding resources waters can be designated for either Tier III(A) or Tier III(B) protection.

(a) Tier III(A) is the highest level of protection and allows no further degradation after the waters have been formally designated Tier III(A) under this chapter.

(b) Tier III(B) is the second highest level of protection for outstanding resource waters and conditionally allows minor degradation to occur due to highly controlled actions. The requirements for Tier III(B) are as follows:

(i) To meet the goal for maintaining and protecting the quality of Tier III(B) waters, sources of pollution, considered individually and cumulatively, are not to cause measurable degradation of the water body.

(ii) Regardless of the quality of the water body, all new or expanded point sources of pollution in Tier III(B) waters must use applicable advanced waste treatment and control techniques that reasonably represent the state of the art and must minimize the degradation of water quality to nonmeasurable levels where total elimination is not feasible. Nonpoint sources must use all applicable structural and nonstructural BMPs with the goal of reducing the degradation of water quality to nonmeasurable levels where total elimination is not feasible.

[Statutory Authority: Chapters 90.48 and 90.54 RCW. 03-14-129 (Order 02-14), § 173-201A-330, filed 7/1/03, effective 8/1/03.]

173-201A-400
Mixing zones.

(1) The allowable size and location of a mixing zone and the associated effluent limits shall be established in discharge permits, general permits, or orders, as appropriate.

(2) A discharger shall be required to fully apply AKART prior to being authorized a mixing zone.

(3) Mixing zone determinations shall consider critical discharge conditions.

(4) No mixing zone shall be granted unless the supporting information clearly indicates the mixing zone would not have a reasonable potential to cause a loss of sensitive or important habitat, substantially interfere with the existing or characteristic uses of the water body, result in damage to the ecosystem, or adversely affect public health as determined by the department.
(5) Water quality criteria shall not be violated outside of the boundary of a mixing zone as a result of the discharge for which the mixing zone was authorized.

(6) The size of a mixing zone and the concentrations of pollutants present shall be minimized.

(7) The maximum size of a mixing zone shall comply with the following:

(a) In rivers and streams, mixing zones, singularly or in combination with other mixing zones, shall comply with the most restrictive combination of the following (this size limitation may be applied to estuaries having flow characteristics that resemble rivers):

(i) Not extend in a downstream direction for a distance from the discharge port(s) greater than three hundred feet plus the depth of water over the discharge port(s), or extend upstream for a distance of over one hundred feet;

(ii) Not utilize greater than twenty-five percent of the flow; and

(iii) Not occupy greater than twenty-five percent of the width of the water body.

(b) In estuaries, mixing zones, singularly or in combination with other mixing zones, shall:

(i) Not extend in any horizontal direction from the discharge port(s) for a distance greater than two hundred feet plus the depth of water over the discharge port(s) as measured during mean lower low water; and

(ii) Not occupy greater than twenty-five percent of the width of the water body as measured during mean lower low water. For the purpose of this section, areas to the east of a line from Green Point (Fidalgo Island) to Lawrence Point (Orcas Island) are considered estuarine, as are all of the Strait of Georgia and the San Juan Islands north of Orcas Island. To the east of Deception Pass, and to the south and east of Admiralty Head, and south of Point Wilson on the Quimper Peninsula, is Puget Sound proper, which is considered to be entirely estuarine. All waters existing within bays from Point Wilson westward to Cape Flattery and south to the North Jetty of the Columbia River shall also be categorized as estuarine.

(c) In oceanic waters, mixing zones, singularly or in combination with other mixing zones, shall not extend in any horizontal direction from the discharge port(s) for a distance greater than three hundred feet plus the depth of water over the discharge port(s) as measured during mean lower low water. For the purpose of this section, all marine waters not classified as estuarine in (b)(ii) of this subsection shall be categorized as oceanic.

(d) In lakes, and in reservoirs having a mean detention time greater than fifteen days, mixing zones shall not be allowed unless it can be demonstrated to the satisfaction of the department that:

(i) Other siting, technological, and managerial options that would avoid the need for a lake mixing zone are not reasonably achievable;

(ii) Overriding considerations of the public interest will be served; and

(iii) All technological and managerial methods available for pollution reduction and removal that are economically achievable would be implemented prior to discharge. Such methods may include, but not be limited to, advanced waste treatment techniques.

(e) In lakes, and in reservoirs having a mean detention time greater than fifteen days, mixing zones, singularly or in combination with other mixing zones, shall comply with the most restrictive combination of the following:

(i) Not exceed ten percent of the water body volume;

(ii) Not exceed ten percent of the waterbody surface area (maximum radial extent of the plume regardless of whether it reaches the surface); and

(iii) Not extend beyond fifteen percent of the width of the water body.

(8) Acute criteria are based on numeric criteria and toxicity tests approved by the department, as generally guided under WAC 173-201A-240 (1) through (5), and shall be met as near to the point of discharge as practicably attainable. Compliance shall be determined by monitoring data or calibrated models approved by the department utilizing representative dilution ratios. A zone where acute criteria may be exceeded is allowed only if it can be demonstrated to the department's satisfaction the concentration of, and duration and frequency of exposure to the discharge, will not create a barrier to the migration or translocation of indigenous organisms to a degree that has the potential to cause damage to the ecosystem. A zone of acute criteria exceedance shall singularly or in combination with other such zones comply with the following maximum size requirements:

(a) In rivers and streams, a zone where acute criteria may be exceeded shall comply with the most restrictive combination of the following (this size limitation may also be applied to estuaries having flow characteristics resembling rivers):

(i) Not extend beyond ten percent of the distance towards the upstream and downstream boundaries of an authorized mixing zone, as measured independently from the discharge port(s);

(ii) Not utilize greater than two and one-half percent of the flow; and

(iii) Not occupy greater than twenty-five percent of the width of the water body.

(b) In oceanic and estuarine waters a zone where acute criteria may be exceeded shall not extend beyond ten percent of the distance established in subsection (7)(b) of this section as measured independently from the discharge port(s).

(9) Overlap of mixing zones.

(a) Where allowing the overlap of mixing zones would result in a combined area of water quality criteria nonattainment which does not exceed the numeric size limits established under subsection (7) of this section, the overlap may be permitted if:

(i) The separate and combined effects of the discharges can be reasonably determined; and

(ii) The combined effects would not create a barrier to the migration or translocation of indigenous organisms to a degree that has the potential to cause damage to the ecosystem.

(b) Where allowing the overlap of mixing zones would result in exceedance of the numeric size limits established under subsection (7) of this section, the overlap may be allowed only where:

(i) The overlap qualifies for exemption under subsections (12) and (13) of this section; and

(ii) The overlap meets the requirements established in (a) of this subsection.

(10) Storm water:

(a) Storm water discharge from any "point source" containing "process wastewater" as defined in 40 C.F.R. Part 122.2 shall fully conform to the numeric size criteria in subsections (7) and (8) of this section and the overlap criteria in subsection (9) of this section.

(b) Storm water discharges not described by (a) of this subsection may be granted an exemption to the numeric size criteria in subsections (7) and (8) of this section and the overlap criteria in subsection (9) of this section, provided the discharger clearly demonstrates to the department's satisfaction that:

(i) All appropriate best management practices established for storm water pollutant control have been applied to the discharge.

(ii) The proposed mixing zone shall not have a reasonable potential to result in a loss of sensitive or important habitat, substantially interfere with the existing or characteristic uses of the water body, result in damage to the ecosystem, or adversely affect public health as determined by the department; and

(iii) The proposed mixing zone shall not create a barrier to the migration or translocation of indigenous organisms to a degree that has the potential to cause damage to the ecosystem.

(c) All mixing zones for storm water discharges shall be based on a volume of runoff corresponding to a design storm approved by the department. Exceedances from the numeric size criteria in subsections (7) and (8) of this section and the overlap criteria in subsection (9) of this section due to precipitation events greater than the approved design storm may be allowed by the department, if it would not result in adverse impact to existing or characteristic uses of the water body or result in damage to the ecosystem, or adversely affect public health as determined by the department.

(11) Combined sewer overflows complying with the requirements of chapter 173-245 WAC, may be allowed an average once per year exemption to the numeric size criteria in subsections (7) and (8) of this section and the overlap criteria in subsection (9) of this section, provided the discharge complies with subsection (4) of this section.

(12) Exceedances from the numeric size criteria in subsections (7) and (8) of this section and the overlap criteria in subsection (9) of this section may be considered by the department in the following cases:

(a) For discharges existing prior to November 24, 1992, (or for proposed discharges with engineering plans formally approved by the department prior to November 24, 1992);

(b) Where altering the size configuration is expected to result in greater protection to existing and characteristic uses;
(c) Where the volume of water in the effluent is providing a greater benefit to the existing or characteristic uses of the water body due to flow augmentation than the benefit of removing the discharge, if such removal is the remaining feasible option; or

(d) Where the exceedance is clearly necessary to accommodate important economic or social development in the area in which the waters are located.

(13) Before an exceedance from the numeric size criteria in subsections (7) and (8) of this section and the overlap criteria in subsection (9) of this section may be allowed under subsection (12) of this section, it must clearly be demonstrated to the department's satisfaction that:

(a) AKART appropriate to the discharge is being fully applied;

(b) All siting, technological, and managerial options which would result in full or significantly closer compliance that are economically achievable are being utilized; and

(c) The proposed mixing zone complies with subsection (4) of this section.

(14) Any exemptions granted to the size criteria under subsection (12) of this section shall be reexamined during each permit renewal period for changes in compliance capability. Any significant increase in capability to comply shall be reflected in the renewed discharge permit.

(15) The department may establish permit limits and measures of compliance for human health based criteria (based on lifetime exposure levels), independent of this section.

(16) Sediment impact zones authorized by the department pursuant to chapter 173-204 WAC, Sediment management standards, do not satisfy the requirements of this section.

[Statutory Authority: Chapters 90.48 and 90.54 RCW. 03-14-129 (Order 02-14), amended and recodified as § 173-201A-400, filed 7/1/03, effective 8/1/03. Statutory Authority: Chapter 90.48 RCW. 92-24-037 (Order 92-29), § 173-201A-100, filed 11/25/92, effective 12/26/92.]

Part IV – Tools for Application of Criteria

173-201A-410
Short-term modifications.

The criteria and special conditions established in WAC 173-201A-200 through 173-201A-260, 173-201A-320, 173-201A-602 and 173-201A-612 may be modified for a specific water body on a short-term basis (e.g., actual periods of nonattainment would generally be limited to hours or days rather than weeks or months) when necessary to accommodate essential activities, respond to emergencies, or to otherwise protect the public interest, even though such activities may result in a temporary reduction of water quality conditions.

(1) A short-term modification will:

(a) Be authorized in writing by the department, and conditioned, timed, and restricted in a manner that will minimize degradation of water quality, existing uses, and designated uses;

(b) Be valid for the duration of the activity requiring modification of the criteria and special conditions in WAC 173-201A-200 through 173-201A-260, 173-201A-602 or 173-201A-612, as determined by the department;

(c) Allow degradation of water quality if the degradation does not significantly interfere with or become injurious to existing or designated water uses or cause long-term harm to the environment; and

(d) In no way lessen or remove the proponent's obligations and liabilities under other federal, state, and local rules and regulations.

(2) The department may authorize a longer duration where the activity is part of an ongoing or long-term operation and maintenance plan, integrated pest or noxious weed management plan, water body or watershed management plan, or restoration plan. Such a plan must be developed through a public involvement process consistent with the Administrative Procedure Act (chapter 34.05 RCW) and be in compliance with SEPA, chapter 43.21C RCW, in which case the standards may be modified for the duration of the plan, or for five years, whichever is less. Such long-term plans may be renewed by the department after providing for another opportunity for public and intergovernmental involvement and review.

(3) The department may allow a major watershed restoration activity that will provide greater benefits to the health of the aquatic system in the long-term (examples include removing dams or reconnecting meander channels) that, in the short term, may cause significant impacts to existing or designated uses as a result of the activities to restore the water body and environmental conditions. Authorization will be given in accordance with subsection (2) of this section.

(4) A short-term modification may be issued in writing by the director or his/her designee to an individual or entity proposing the aquatic application of pesticides, including but not limited to those used for control of federally or state listed noxious and invasive species, and excess populations of native aquatic plants, mosquitoes, burrowing shrimp, and fish, subject to the following terms and conditions:

(a) A request for a short-term modification shall be made to the department on forms supplied by the department. Such request shall be made at least thirty days prior to initiation of the proposed activity, and after the project proponent has complied with the requirements of the State Environmental Policy Act (SEPA);

(b) Appropriate public notice as determined and prescribed by the director or his/her designee shall be given, identifying the pesticide, applicator, location where the pesticide will be applied, proposed timing and method of application, and any water use restrictions specified in USEPA label provisions;

(c) The pesticide application shall be made at times so as to:

(i) Minimize public water use restrictions during weekends; and

(ii) Avoid public water use restrictions during the opening week of fishing season, Memorial Day weekend, Independence Day weekend, and Labor Day weekend;

(d) Any additional conditions as may be prescribed by the director or his/her designee.

(5) A short-term modification may be issued for the control or eradication of noxious weeds identified as such in accordance with the state noxious weed control law, chapter 17.10 RCW, and Control of spartina and purple loosestrife, chapter 17.26 RCW. Short-term modifications for noxious weed control shall be included in a water quality permit issued in accordance with RCW 90.48.445, and the following requirements:

(a) The department may issue water quality permits for noxious weed control to the Washington state department of agriculture (WSDA) for the purposes of coordinating and conducting noxious weed control activities consistent with WSDA's responsibilities under chapters 17.10 and 17.26 RCW. Coordination may include noxious weed control activities identified in a WSDA integrated noxious weed management plan and conducted by individual landowners or land managers.
(b) The department may also issue water quality permits to individual landowners or land managers for noxious weed control activities where such activities are not covered by a WSDA integrated noxious weed management plan.

[Statutory Authority: Chapters 90.48 and 90.54 RCW. 03-14-129 (Order 02-14), amended and recodified as § 173-201A-410, filed 7/1/03, effective 8/1/03. Statutory Authority: Chapter 90.48 RCW and 40 CFR 131. 97-23-064 (Order 94-19), § 173-201A-110, filed 11/18/97, effective 12/19/97. Statutory Authority: Chapter 90.48 RCW. 92-24-037 (Order 92-29), § 173-201A-110, filed 11/25/92, effective 12/26/92.]

173-201A-420
Variance.

(1) The criteria established in WAC 173-201A-200 through 173-201A-260 may be modified for individual facilities, or stretches of waters, through the use of a variance. Variances may be approved by the department when:

(a) The modification is consistent with the requirements of federal law (currently 40 CFR 131.10(g) and 131.10(h));

(b) The water body is assigned variances for specific criteria and all other applicable criteria must be met; and

(c) Reasonable progress is being made toward meeting the original criteria.

(2) The decision to approve a variance is subject to a public and intergovernmental involvement process.

(3) The department may issue a variance for up to five years, and may renew the variance after providing for another opportunity for public and intergovernmental involvement and review.

(4) Variances are not in effect until they have been incorporated into this chapter and approved by the USEPA.

[Statutory Authority: Chapters 90.48 and 90.54 RCW. 03-14-129 (Order 02-14), § 173-201A-420, filed 7/1/03, effective 8/1/03.]

173-201A-430
Site-specific criteria.

(1) Where the attainable condition of existing and designated uses for the water body would be fully protected using an alternative criterion, site-specific criteria may be adopted.

(a) The site-specific criterion must be consistent with the federal regulations on designating and protecting uses (currently 40 CFR 131.10 and 131.11); and

(b) The decision to approve a site-specific criterion must be subject to a public involvement and intergovernmental coordination process.

(2) The site-specific analyses for the development of a new water quality criterion must be conducted in a manner that is scientifically justifiable and consistent with the assumptions and rationale in "*Guidelines for Deriving National Water Quality Criteria for the Protection of Aquatic Organisms and their Uses*," EPA 1985; and conducted in accordance with the procedures established in the "*Water Quality Standards Handbook*," EPA 1994, as revised.

(3) The decision to approve the site-specific criterion must be based on a demonstration that it will protect the existing and attainable uses of the water body.

(4) Site-specific criteria are not in effect until they have been incorporated into this chapter and approved by the USEPA.

[Statutory Authority: Chapters 90.48 and 90.54 RCW. 03-14-129 (Order 02-14), § 173-201A-430, filed 7/1/03, effective 8/1/03.]

173-201A-440
Use attainability analysis.

(1) Removal of a designated use for a water body assigned in this chapter must be based on a use attainability analysis (UAA). A UAA is a structured scientific assessment of the factors affecting the attainment of the use which may include physical, chemical, biological, and economic factors. A use can only be removed through a UAA if it is not existing or attainable.

(2) A UAA proposing to remove a designated use on a water body must be submitted to the department in writing and include sufficient information to demonstrate that the use is neither existing nor attainable.

(3) A UAA must be consistent with the federal regulations on designating and protecting uses (currently 40 CFR 131.10).

(4) Subcategories of use protection that reflect the lower physical potential of the water body for protecting designated uses must be based upon federal regulations (currently 40 CFR 131.10(c)).

(5) Allowing for seasonal uses where doing so would not harm existing or designated uses occurring in that or another season must be based upon federal regulations (currently 40 CFR 131.10(f)).

(6) After receiving a proposed UAA, the department will respond within sixty days of receipt with a decision on whether to proceed toward rule making.

(7) The decision to approve a UAA is subject to a public involvement and intergovernmental coordination process, including tribal consultation.

(8) The department will maintain a list of federally recognized tribes in the state of Washington. During all stages of development and review of UAA proposals, the department will provide notice and consult with representatives of the interested affected Indian tribes on a government-to-government basis, and carefully consider their recommendations.

(9) The results of a UAA are not in effect until they have been incorporated into this chapter and approved by the USEPA.

[Statutory Authority: Chapters 90.48 and 90.54 RCW. 03-14-129 (Order 02-14), § 173-201A-440, filed 7/1/03, effective 8/1/03.]

173-201A-450
Water quality offsets.

(1) A water quality offset occurs where a project proponent implements or finances the implementation of controls for point or nonpoint sources to reduce the levels of pollution for the purpose of creating sufficient assimilative capacity to allow new or expanded discharges. The purpose of water quality offsets is to sufficiently reduce the pollution levels of a water body so that a proponent's actions do not cause or contribute to a violation of the requirements of this chapter and so that they result in a net environmental benefit. Water quality offsets may be used to assist an entity in meeting load allocations targeted under a pollution reduction analysis (such as a total maximum daily load) as established by the department. Water quality offsets may be used to reduce the water quality effect of a discharge to levels that are unmeasurable and in compliance with the water quality antidegradation Tier II analysis (WAC 173-201A-320).

(2) Water quality offsets may be allowed by the department when all of the following conditions are met:

(a) Water quality offsets must target specific water quality parameters.

(b) The improvements in water quality associated with creating water quality offsets for any proposed new or expanded actions must be demonstrated to have occurred in advance of the proposed action.

(c) The technical basis and methodology for the water quality offsets is documented

through a technical analysis of pollutant loading, and that analysis is made available for review by the department. The methodology must incorporate the uncertainties associated with any proposed point or nonpoint source controls as well as variability in effluent quality for sources, and must demonstrate that an appropriate margin of safety is included. The approach must clearly account for the attenuation of the benefits of pollution controls as the water moves to the location where the offset is needed.

(d) Point or nonpoint source pollution controls must be secured using binding legal instruments between any involved parties for the life of the project that is being offset. The proponent remains solely responsible for ensuring the success of offsetting activities for both compliance and enforcement purposes.

(e) Only the proportion of the pollution controls which occurs beyond existing requirements for those sources can be included in the offset allowance.

(f) Water quality offsets must meet antidegradation requirements in WAC 173-201A-300 through 173-201A-330 and federal antibacksliding requirements in CFR 122.44(l).

[Statutory Authority: Chapters 90.48 and 90.54 RCW. 03-14-129 (Order 02-14), § 173-201A-450, filed 7/1/03, effective 8/1/03.]

Part V - Implementation

173-201A-500
Achievement considerations.

To fully achieve and maintain the foregoing water quality in the state of Washington, it is the intent of the department to apply the various implementation and enforcement authorities at its disposal, including participation in the programs of the federal Clean Water Act (33 U.S.C. 1251 et seq.) as appropriate. It is also the intent that cognizance will be taken of the need for participation in cooperative programs with other state agencies and private groups with respect to the management of related problems. The department's planned program for water pollution control will be defined and revised annually in accordance with section 106 of said federal act. Further, it shall be required that all activities which discharge wastes into waters within the state, or otherwise adversely affect the quality of said waters, be in compliance with the waste treatment and discharge provisions of state or federal law.

[Statutory Authority: Chapters 90.48 and 90.54 RCW. 03-14-129 (Order 02-14), recodified as § 173-201A-500, filed 7/1/03, effective 8/1/03. Statutory Authority: Chapter 90.48 RCW. 92-24-037 (Order 92-29), § 173-201A-150, filed 11/25/92, effective 12/26/92.]

173-201A-510
Means of implementation.

(1) **Permitting.** The primary means to be used for controlling municipal, commercial, and industrial waste discharges shall be through the issuance of waste discharge permits, as provided for in RCW 90.48.160, 90.48.162, and 90.48.260. Waste discharge permits, whether issued pursuant to the National Pollutant Discharge Elimination System or otherwise, must be conditioned so the discharges authorized will meet the water quality standards. No waste discharge permit can be issued that causes or contributes to a violation of water quality criteria, except as provided for in this chapter.

(a) Persons discharging wastes in compliance with the terms and conditions of permits are not subject to civil and criminal penalties on the basis that the discharge violates water quality standards.

(b) Permits must be modified by the department when it is determined that the discharge causes or contributes to a violation of water quality standards. Major modification of permits is subject to review in the same manner as the originally issued permits.

(2) **Miscellaneous waste discharge or water quality effect sources.** The director shall, through the issuance of regulatory permits, directives, and orders, as are appropriate, control miscellaneous waste discharges and water quality effect sources not covered by subsection (1) of this section.

(3) **Nonpoint source and storm water pollution.**

(a) Activities which generate nonpoint source pollution shall be conducted so as to comply with the water quality standards. The primary means to be used for requiring compliance with the standards shall be through best management practices required in waste discharge permits, rules, orders, and directives issued by the department for activities which generate nonpoint source pollution.

(b) Best management practices shall be applied so that when all appropriate combinations of individual best management practices are utilized, violation of water quality criteria shall be prevented. If a discharger is applying all best management practices appropriate or required by the department and a violation of water quality criteria occurs, the discharger shall modify existing practices or apply further water pollution control measures, selected or approved by the department, to achieve compliance with water quality criteria. Best management practices established in permits, orders, rules, or directives of the department shall be reviewed and modified, as appropriate, so as to achieve compliance with water quality criteria.

(c) Activities which contribute to nonpoint source pollution shall be conducted utilizing best management practices to prevent violation of water quality criteria. When applicable best management practices are not being implemented, the department may conclude individual activities are causing pollution in violation of RCW 90.48.080. In these situations, the department may pursue orders, directives, permits, or civil or criminal sanctions to gain compliance with the standards.

(d) Activities which cause pollution of storm water shall be conducted so as to comply with the water quality standards. The primary means to be used for requiring compliance with the standards shall be through best management practices required in waste discharge permits, rules, orders, and directives issued by the department for activities which generate storm water pollution. The consideration and control procedures in (b) and (c) of this subsection apply to the control of pollutants in storm water.

(4) **General allowance for compliance schedules.**

(a) Permits, orders, and directives of the department for existing discharges may include a schedule for achieving compliance with water quality criteria contained in this chapter. Such schedules of compliance shall be developed to ensure final compliance with all water quality-based effluent limits in the shortest practicable time. Decisions regarding whether to issue schedules of compliance will be made on a case-by-case basis by the department. Schedules of compliance may not be issued for new discharges. Schedules of compliance may be issued to allow for: (i) Construction of necessary treatment capability; (ii) implementation of necessary best management practices; (iii) implementation of additional storm water best management practices for discharges determined not to meet water quality criteria following implementation of an initial set of best management practices; (iv) completion of necessary water quality studies; or (v) resolution of a pending water quality standards' issue through rule-making action.

(b) For the period of time during which compliance with water quality criteria is deferred, interim effluent limitations shall be formally established, based on the best professional judgment of the department. Interim effluent limitations may be numeric or nonnumeric (e.g., construction of necessary facilities by a specified date as contained in an ecology order or permit).

(c) Prior to establishing a schedule of compliance, the department shall require the discharger to evaluate the possibility of achieving water quality criteria via nonconstruction changes (e.g., facility operation, pollution prevention). Schedules of compliance may in no case exceed ten years, and shall generally not exceed the term of any permit.

(5) **Compliance schedules for dams:**

(a) All dams in the state of Washington must comply with the provisions of this chapter.

(b) For dams that cause or contribute to a violation of the water quality standards, the dam owner must develop a water quality attainment plan that provides a detailed strategy for achieving compliance. The plan must include:

(i) A compliance schedule that does not exceed ten years;

(ii) Identification of all reasonable and feasible improvements that could be used to meet standards, or if meeting the standards is not attainable, then to achieve the highest attainable level of improvement;

(iii) Any department-approved gas abatement plan as described in WAC 173-201A-200 (1)(f)(ii);

(iv) Analytical methods that will be used to evaluate all reasonable and feasible improvements;

(v) Water quality monitoring, which will be used by the department to track the progress in achieving compliance with the state water quality standards; and

(vi) Benchmarks and reporting sufficient for the department to track the applicant's progress toward implementing the plan within the designated time period.

(c) The plan must ensure compliance with all applicable water quality criteria, as well as any other requirements established by the department (such as through a total maximum daily load, or TMDL, analysis).

(d) If the department is acting on an application for a water quality certification, the approved water quality attainment plan may be used by the department in its determination that there is reasonable assurance that the dam will not cause or contribute to a violation of the water quality standards.
(e) When evaluating compliance with the plan, the department will allow the use of models and engineering estimates to approximate design success in meeting the standards.

(f) If reasonable progress toward implementing the plan is not occurring in accordance with the designated time frame, the department may declare the project in violation of the water quality standards and any associated water quality certification.

(g) If an applicable water quality standard is not met by the end of the time provided in the attainment plan, or after completion of all reasonable and feasible improvements, the owner must take the following steps:

(i) Evaluate any new reasonable and feasible technologies that have been developed (such as new operational or structural modifications) to achieve compliance with the standards, and develop a new compliance schedule to evaluate and incorporate the new technology;

(ii) After this evaluation, if no new reasonable and feasible improvements have been identified, then propose an alternative to achieve compliance with the standards, such as site specific criteria (WAC 173-201A-430), a use attainability analysis (WAC 173-201A-440), or a water quality offset (WAC 173-201A-450).

(h) New dams, and any modifications to existing facilities that do not comply with a gas abatement or other pollution control plan established to meet criteria for the water body, must comply with the water quality standards at the time of project completion.

(i) Structural changes made as a part of a department approved gas abatement plan to aid fish passage, described in WAC 173-201A-200 (1)(f)(ii), may result in system performance limitations in meeting water quality criteria for that parameter at other times of the year.

[Statutory Authority: Chapters 90.48 and 90.54 RCW. 03-14-129 (Order 02-14), amended and recodified as § 173-201A-510, filed 7/1/03, effective 8/1/03. Statutory Authority: Chapter 90.48 RCW and 40 CFR 131. 97-23-064 (Order 94-19), § 173-201A-160, filed 11/18/97, effective 12/19/97. Statutory Authority: Chapter 90.48 RCW. 92-24-037 (Order 92-29), § 173-201A-160, filed 11/25/92, effective 12/26/92.]

173-201A-520
Monitoring and compliance.

A continuing surveillance program, to ascertain whether the regulations, waste disposal permits, orders, and directives promulgated and/or issued by the department are being complied with, will be conducted by the department staff as follows:

(1) Inspecting treatment and control facilities.

(2) Monitoring and reporting waste discharge characteristics.

(3) Monitoring receiving water quality.

[Statutory Authority: Chapters 90.48 and 90.54 RCW. 03-14-129 (Order 02-14), Amended and recodified as § 173-201A-520, filed 7/1/03, effective 8/1/03. Statutory Authority: Chapter 90.48 RCW. 92-24-037 (Order 92-29), § 173-201A-170, filed 11/25/92, effective 12/26/92.]

173-201A-530
Enforcement.

To insure that the provisions of chapter 90.48 RCW, the standards for water quality promulgated herein, the terms of waste disposal permits, and other orders and directives of the department are fully complied with, the following enforcement tools will be relied upon by the department, in cooperation with the attorney general as it deems appropriate:

(1) Issuance of notices of violation and regulatory orders as provided for in RCW 90.48.120.

(2) Initiation of actions requesting injunctive or other appropriate relief in the various courts of the state as provided for in RCW 90.48.037.
(3) Levying of civil penalties as provided for in RCW 90.48.144.

(4) Initiation of a criminal proceeding by the appropriate county prosecutor as provided for in RCW 90.48.140.

(5) Issuance of regulatory orders or directives as provided for in RCW 90.48.240.

[Statutory Authority: Chapters 90.48 and 90.54 RCW. 03-14-129 (Order 02-14), recodified as § 173-201A-530, filed 7/1/03, effective 8/1/03. Statutory Authority: Chapter 90.48 RCW. 92-24-037 (Order 92-29), § 173-201A-180, filed 11/25/92, effective 12/26/92.]

Part VI – Use Designation for Waters of the State

173-201A-600
Use designations — Fresh waters.

(1) All surface waters of the state not named in Table 602 are to be protected for the designated uses of: Salmonid spawning rearing, and migration; primary contact recreation; domestic, industrial, and agricultural water supply; stock watering; wildlife habitat; harvesting; commerce and navigation; boating; and aesthetic values.

(a) Additionally, the following waters are also to be protected for the designated uses of: Core summer salmonid habitat; and extraordinary primary contact recreation:

(i) All surface waters lying within national parks, national forests, and/or wilderness areas;

(ii) All lakes and all feeder streams to lakes (reservoirs with a mean detention time greater than fifteen days are to be treated as a lake for use designation);

(iii) All surface waters that are tributaries to waters designated core summer salmonid habitat; or extraordinary primary contact recreation; and

(iv) All fresh surface waters that are tributaries to extraordinary quality marine waters (WAC 173-201A-610 through173-201A-612).

(2) The water quality standards for surface waters for the state of Washington do not apply to segments of waters that are on Indian reservations.

Table 600 (Key to Table 602) Abbreviation	General Description
Aquatic Life Uses:	(see WAC 173-201A-200(1))
Char Spawning/Rearing	**Char spawning and rearing.** The key identifying characteristics of this use are spawning or early juvenile rearing by native char (bull trout and Dolly Varden), or use by other aquatic species similarly dependent on such cold water. Other common characteristic aquatic life uses for waters in this category include summer foraging

	and migration of native char; and spawning, rearing, and migration by other salmonid species.
Core Summer Habitat	**Core summer salmonid habitat**. The key identifying characteristics of this use are summer (June 15 – September 15) salmonid spawning or emergence, or adult holding; use as important summer rearing habitat by one or more salmonids; or foraging by adult and sub-adult native char. Other common characteristic aquatic life uses for waters in this category include spawning outside of the summer season, rearing, and migration by salmonids.
Spawning/Rearing	**Salmonid spawning, rearing, and migration**. The key identifying characteristic of this use is salmon or trout spawning and emergence that only occurs outside of the summer season (September 16 - June 14). Other common characteristic aquatic life uses for waters in this category include rearing and migration by salmonids.
Rearing/Migration Only	**Salmonid rearing and migration only.** The key identifying characteristic of this use is use only for rearing or migration by salmonids (not used for spawning).
Redband Trout	**Non-anadromous interior redband trout.** For the protection of waters where the only trout species is a non-anadromous form of self-reproducing interior redband trout (*O. mykis*), and other associated

	aquatic life.
Warm Water Species	**Indigenous warm water species.** For the protection of waters where the dominant species under natural conditions would be temperature tolerant indigenous nonsalmonid species. Examples include dace, redside shiner, chiselmouth, sucker, and northern pikeminnow.
Recreational Uses:	(see WAC 173-201A-200(2))
Extraordinary Primary Cont.	Extraordinary quality primary contact waters. Waters providing extraordinary protection against waterborne disease or that serve as tributaries to extraordinary quality shellfish harvesting areas.
Primary Cont.	Primary contact recreation.
Secondary Cont.	Secondary contact recreation.
Water Supply Uses:	(see WAC 173-201A-200(3))
Domestic Water	Domestic water supply.
Industrial Water	Industrial water supply.
Agricultural Water	Agricultural water supply.
Stock Water	Stock watering.
Miscellaneous Uses:	(see WAC 173-201A-200(4))
Wildlife Habitat	Wildlife habitat.
Harvesting	Fish harvesting.
Commerce/Navigation	Commerce and navigation.
Boating	Boating.
Aesthetics	Aesthetic values.

[Statutory Authority: Chapters 90.48 and 90.54 RCW. 03-14-129 (Order 02-14), § 173-201A-600, filed 7/1/03, effective 8/1/03.]

WAC 173-201A-602
Table 602 — Use designations for fresh waters by water resource inventory area (WRIA).

(1) All surface waters of the state have uses designated to them for protection under this chapter. Table 602 lists use designations for specific fresh waters. Fresh waters not assigned designated uses in Table 602 have their designated uses assigned in accordance with WAC 173-201A-600 and 260(3). In table 602, the Columbia River is listed first, followed by other water bodies listed by WRIA. Only the uses with the most stringent criteria are listed. The criteria notes in Table 602 take precedence over the criteria in WAC 173-201A-200 for same parameter.

(2) Table 602 is necessary to determine and fully comply with the requirements of this chapter. If you are viewing a paper copy of the rule from the office of the code reviser or are using their web site, Table 602 may be missing (it will instead say "place illustration here"). In this situation, you may view Table 602 at the department of ecology's web site at www.ecy.wa.gov, or request a paper copy of the rule with Table 602 from the department of ecology or the office of the code reviser.

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
COLUMBIA RIVER																		
Columbia River from mouth to the Washington-Oregon border (river mile 309.3).[1]			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Columbia River from Washington-Oregon border (river mile 309.3) to Grand Coulee Dam (river mile 596.6).[2,3]			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Columbia River from Grand Coulee Dam (river mile 596.6) to Canadian border (river mile 745.0).		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Notes for Columbia River:																		
1. Temperature shall not exceed a 1-day maximum (1-DMax) of 20.0°C due to human activities. When natural conditions exceed a 1-DMax of 20.0°C, no temperature increase will be allowed which will raise the receiving water temperature by greater than 0.3°C; nor shall such temperature increases, at any time, exceed 0.3°C due to any single source or 1.1°C due to all such activities combined. Dissolved oxygen shall exceed 90 percent of saturation. Special condition - special fish passage exemption as described in WAC 173-201A-200 (1)(f).																		
2. From Washington-Oregon border (river mile 309.3) to Priest Rapids Dam (river mile 397.1). Temperature shall not exceed a 1-DMax of 20.0°C due to human activities. When natural conditions exceed a 1-DMax of 20.0°C, no temperature increase will be allowed which will raise the receiving water temperature by greater than 0.3°C; nor shall such temperature increases, at any time, exceed $t = 34/(T + 9)$.																		
3. From Washington-Oregon border (river mile 309.3) to Grand Coulee Dam (river mile 596.6). Special condition - special fish passage exemption as described in WAC 173-201A-200 (1)(f).																		
WRIA 1 - Nooksack																		
Bertrand Creek from mouth to Canadian border		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Breckenridge Creek and tributaries		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Chilliwack River and Little Chilliwack River: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Chuckanut Creek from mouth to headwaters		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Colony Creek and tributaries from mouth to headwaters		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Dakota Creek and tributaries		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Dale Creek		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Deer Creek (tributary to Barrett Lake) and tributaries		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Depot Creek and tributaries	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Fishtrap Creek from mouth to Canadian border		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Hutchinson Creek and tributaries.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Johnson Creek, unnamed tributary just north of Pangborn Road watershed		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Nooksack River mainstem from mouth to Anderson Creek.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Nooksack River and tributaries [except where otherwise designated Char] from and including Anderson Creek (latitude 48.8675 longitude -122.3210) to junction with South Fork.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Nooksack River, North Fork, and all tributaries, upstream to the junction with Maple creek (RM 49.7) .		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Nooksack River, North Fork, and all tributaries above and including Maple Creek (RM 49.7) and tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Nooksack River, Middle Fork, and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Nooksack River, South Fork, from mouth to Skookum Creek (river mile 14.3).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Nooksack River, South Fork, from Skookum Creek (river mile 14.3) to Fobes Creek.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Nooksack River, South Fork, and all tributaries above the junction at Fobes Creek.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Padden Creek and tributaries from mouth to headwaters		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Pepin Creek from mouth to Canadian border		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Saar Creek from latitude 48.9490 longitude -122.2252 to headwaters		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Silesia Creek and all tributaries south of Canadian border.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Skookum Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Squaw Creek		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Squalicum Creek, unnamed tributary from latitude 48.7862 longitude -122.4864 to headwaters		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Stickney Creek (Slough) and Kamm Ditch from confluence with mainstem Nooksack River to headwaters.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Sumas River from Canadian border (river mile 12) to headwaters (river mile 23) except where designated otherwise.			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Tenmile Creek below Barrett Lake		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Tomyhoi Creek and tributaries from Canadian border to headwaters.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Whatcom Creek and tributaries from mouth to outlet of Lake Whatcom.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
WRIA 2 San Juan																		
There are no specific waterbody entries for this WRIA.																		
WRIA 3 Lower Skagit-Samish																		
Fisher Creek and tributaries.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Hansen Creek and tributaries.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Nookachamps Creek and tributaries (except where designated char).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Nookachamps Creek, East Fork, and unnamed creek at latitude 48.4103 longitude -122.1657: All waters (including tributaries) above the junction.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Samish River and tributaries above latitude 48.5472 longitude -122.3378 (Sect 18 T36 R4E).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Skagit River mainstem from mouth to Skiyou Slough-lower end (river mile 25.6).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Skagit River, all tributaries to the mainstem from the mouth to Skiyou Slough-lower end (river mile 25.6); except where designated otherwise.			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Skagit River and tributaries from Skiyou Slough-lower end, (river mile 25.6) to the boundary of WRIA 3 and 4, except the other waters listed for this WRIA.[1]		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Walker Creek and unnamed creek at latitude 48.3813 longitude -122.1639: All waters (including tributaries) above the junction.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Notes for WRIA 3:																		
1. Skagit River (Gorge by-pass reach) from Gorge Dam (river mile 96.6) to Gorge Powerhouse (river mile 94.2). Temperature shall not exceed a 1-DMax of 21°C due to human activities. When natural conditions exceed a 1-DMax of 21°C, no temperature increase will be allowed which will raise the receiving water temperature by greater than 0.3°C, nor shall such temperature increases, at any time, exceed $t = 34/(T + 9)$.																		
WRIA 4 Upper Skagit																		
Bacon Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Baker Lake and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Bear Creek and the unnamed outlet creek of Blue Lake: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Big Beaver Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Big Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Buck Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Cascade River and Boulder Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Circle Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Clear Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Diobsud Creek and the unnamed tributary at longitude -121.4414 and latitude 48.5850: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Goodell Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Hozomeen Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Illabot Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Jordan Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Lightning Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Little Beaver Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Murphy Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Newhalem Creek, and all tributaries	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Rocky Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Ruby Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Sauk River and Dutch Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Silver Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Skagit River and tributaries, except where listed otherwise for this WRIA.[1]		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Stetattle Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Straight Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Suiattle River all tributaries above Harriet Creek.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Sulfur Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Tenas Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Thunder Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
White Chuck River and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Notes for WRIA 4:																		
1. Skagit River (Gorge by-pass reach) from Gorge Dam (river mile 96.6) to Gorge Powerhouse (river mile 94.2). Temperature shall not exceed a 1-DMax of 21°C due to human action. When natural conditions exceed a 1-DMax of 21°C, no temperature increase will be allowed which will raise the receiving water temperature by greater than 0.3°C, nor shall such temperature increases, at any time, exceed t = 34/(T + 9).																		
WRIA 5 Stillaguamish																		
Brooks Creek and the unnamed tributary at latitude 48.2967 longitude -121.9031: All waters (including tributaries) above the junction.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Canyon Creek above unnamed tributary at latitude 48.1242 longitude -121.8894 (Sect. 34 T31N R7E) to headwaters (including tributaries).	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Canyon Creek's unnamed tributaries at latitude 48.1459 longitude -121.9648.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Unnamed tributaries at latitude 48.1461 longitude -122.9649 located upstream of unnamed tributary at river mile 3 of Canyon Creek	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Crane Creek and unnamed tributary at latitude 48.3330 longitude -121.1000: All waters (including tributaries) above the junction.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Crane Creek's unnamed tributaries at latitude 48.3315 longitude -121.1030: All	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
waters (including tributaries) above the junction.																		
Cub Creek and the unnamed tributary at latitude 48.1655 longitude -121.9376: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Deer Creek (on N.F. Stillaguamish) and the unnamed tributary at longitude -121.9565 and latitude 48.3195: All waters (including tributaries) above the junction.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Dicks Creek and unnamed outlet of Myrtle Lake at latitude 48.3187 longitude -121.8129: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Jim Creek and Little Jim Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Jorgenson Slough (Church Creek) from latitude 48.2347 longitude -121.3530 between West Pass and Hat Slough: All waters (including tributaries) above the junction.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Lake Cavanaugh and all tributaries above outlet at latitude 48.3127 longitude -121.9802.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Pilchuck Creek and Bear Creek: All waters (including tributaries) above the junction.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Pilchuck Creek's unnamed tributaries at latitude 48.3104 longitude -122.1305: All waters (including tributaries) above the junction.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Pilchuck Creek from latitude 48.2395 longitude -122.2015 (above 268th St) to headwaters including tributaries(except where designated Char)		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Unnamed tributary to Portage Creek at latitude 48.1837 longitude -122.2314: All waters (including tributaries) above the junction		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Stillaguamish River from mouth to junction of north and south forks (river mile 17.8).			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Stillaguamish River, North Fork, from mouth to Boulder River (including tributaries) except where designated Char.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Stillaguamish River, North Fork, and Boulder River: All waters (including tributaries) from the junction up to Squire Creek, downstream of the Mt. Baker Snoqualmie National Forest.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Stillaguamish River, North Fork, and Boulder River: All waters (including tributaries) from the junction up to Squire Creek that are in or above the Mt. Baker Snoqualmie National Forest.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Stillaguamish River, North Fork, from Squire Creek (river mile 31.2) to headwaters, including all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Stillaguamish River, South Fork, from mouth to Canyon Creek (river mile 33.7).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Stillaguamish River, South Fork, from Canyon Creek (river mile 33.7) to the unnamed tributary at latitude 48.0921 longitude -121.8797 (near Cranberry Creek).		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Stillaguamish River, South Fork, and the unnamed tributary at latitude 48.0921 longitude -121.8797 (near Cranberry Creek): All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
WRIA 6 Island																		
There are no specific waterbody entries for this WRIA.																		
WRIA 7 Snohomish																		
Cherry Creek and tributaries from mouth to headwaters.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Cripple Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Kelly Creek and tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Miller River, East Fork, and West Fork Miller River: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
North Fork Creek and unnamed creek at latitude 47.7409 longitude -121.8231 (Sect. 18 T26N R8E): All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Pilchuck River from mouth to Boulder Creek.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Pilchuck River and Boulder Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Pratt River and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Skykomish River and tributaries from mouth to May Creek (above Gold Bar at river mile 41.2).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Skykomish River and May Creek (above Gold Bar at river mile 41.2): All waters (including tributaries) above junction (Except where designated Char).		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Skykomish River, North Fork, beginning below Salmon Creek at latitude 47.8790 longitude –121.4594) to headwaters (including tributaries).	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Skykomish River, South Fork, and Beckler River: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Snohomish River from mouth and east of longitude 122°13'40"W upstream to latitude 47°56'30"N (southern tip of Ebey Island at river mile 8.1).[1]			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Snohomish River from latitude 47°56'30"N (southern tip of Ebey Island at river mile 8.1) to below Pilchuck Creek at latitude 47.9045 longitude -122.0917.			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Snohomish River from below Pilchuck Creek (latitude 47. 9045 longitude -		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
122.0917) to confluence with Skykomish and Snoqualmie River (river mile 20.5).																		
Snoqualmie River from mouth to junction with Harris Creek (latitude 47.7686 longitude -121.9605; Sect.5 T25N R6E)			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Snoqualmie River and tributaries from and including Harris Creek (latitude 47.7686 longitude -121.9605; Sect.5 T25N R6E) to west boundary of Twin Falls State Park on south fork (river mile 9.1).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Snoqualmie River, South Fork, from west boundary of Twin Falls State Park (river mile 9.1) to headwaters (including tributaries).		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Snoqualmie River, North Fork, from mouth to Sunday Creek.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Snoqualmie River, North Fork, and Sunday Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Snoqualmie River, Middle Fork, from mouth to Dingford Creek (Except where designated char).		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Snoqualmie River, Middle Fork, and Dingford Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Snoqualmie River's Middle Fork's unnamed tributaries at latitude 47.5389 longitude -121.5629 (Sect. 29 T24N R10E).	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Sultan River and tributaries from mouth to Chaplain Creek (river mile 5.9).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Sultan River and tributaries from Chaplain Creek (river mile 5.9) to headwaters.[2]		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Taylor River and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Tolt River, North Fork, and unnamed creek at latitude 47.7183 longitude -121.7775: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Tolt River, South Fork, and tributaries from mouth to west boundary of Sec. 31-		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
T26N-R9E (river mile 6.9).																		
Tolt River, South Fork, and tributaries from west boundary of Sec. 31-T26N-R9E (river mile 6.9) to headwaters, except for the waters specifically listed in this table: South Fork Tolt River and South Fork Tolt River's unnamed tributaries.[3]		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Tolt River, South Fork, and unnamed creek at latitude 47.6925 longitude -121.7392: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Tolt River's South Fork's unnamed tributaries at latitude 47.6889 longitude -121.7856 (Sect.33 T26N R8E).	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Trout Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Notes for WRIA 7:																		
1. Fecal coliform organism levels shall both not exceed a geometric mean value of 200 colonies/100 mL and not have more than 10 percent of the samples obtained for calculating the mean value exceeding 400 colonies/100 mL.																		
2. No waste discharge will be permitted above city of Everett Diversion Dam (river mile 9.4).																		
3. No waste discharge will be permitted for the South Fork Tolt River and tributaries from west boundary of Sec. 31-T26N-R9E (river mile 6.9) to headwaters.																		
WRIA 8 Cedar-Sammamish																		
Cedar River from Lake Washington to the Maplewood Bridge (river mile 4.1).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Cedar River and tributaries from the Maplewood Bridge (river mile 4.1) to Landsburg Dam (river mile 21.6).		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Cedar River and tributaries from Landsburg Dam (river mile 21.6) to Chester Morse Lake.[1]		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Cedar River at Chester Morse Lake Cedar Falls Dam: All waters (including tributaries) to headwaters.[2]	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Holder Creek and the unnamed tributary at latitude 47.4581 longitude -121.9496: All waters (including tributaries) above the junction.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Issaquah Creek from Lake Sammamish to headwaters (including tributaries) except where designated Char.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Lake Washington Ship Canal from Government Locks (river mile 1.0) to Lake Washington (river mile 8.6).[3,4]		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Notes for WRIA 8:																		
1. No waste discharge will be permitted.																		
2. No waste discharge will be permitted.																		
3. Salinity shall not exceed one part per thousand (1.0 ppt) at any point or depth along a line that transects the ship canal at the University Bridge (river mile 6.1).																		
4. This waterbody is to be treated as a Lakes for purposes of applying this chapter.																		
WRIA 9 Duwamish-Green																		
Duwamish River from mouth south of a line bearing 254° true from the NW corner of berth 3, terminal No. 37 to the Black River (river mile 11.0) (Duwamish River continues as the Green River above the Black River).				✓					✓		✓	✓	✓	✓	✓	✓	✓	✓
Green River from and including the Black River (river mile 11.0 and point where Duwamish River continues as the Green River) to latitude 47.3699 longitude -122.246 (Sect. 25 T22N R4E) above junction with unnamed tributary.			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Green river from above junction with unnamed tributary at latitude 47.3699 longitude -122.2461 (Sect. 25 T22N R4E) (east of the West Valley highway) to west boundary of Flaming Geyser State Park (including all tributaries)		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Green River from W. Boundary of Flaming Geyser State Park to headwaters		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
(including tributaries) except where designated Char, Core, and Ex. Primary.																		
Green River and Sunday Creek: All waters (including tributaries) above the junction. [1]	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Smay Creek and West Fork Smay Creek: All waters (including tributaries) above the junction. [1]	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Notes for WRIA 9:																		
1. No waste discharge will be permitted for the Green River and tributaries (King County) from west boundary of Sec. 13-T21N-R7E (river mile 59.1) to headwaters.																		
WRIA 10 Puyallup-White																		
Carbon River and tributaries above latitude 46.9998 longitude -121.0794, downstream of the Snoqualmie National Forest or Mt. Rainier National Park.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Carbon River and tributaries above latitude 46.9998 longitude -121. 9794 that are in or above the Snoqualmie National Forest or Mt. Rainier National Park.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Clarks Creek upstream of tribal reservation.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Clear Creek and tributaries upstream of tribal reservation.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Clearwater River and Milky Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Greenwater River from junction with White River to headwaters (including all tributaries).	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Puyallup River from mouth to river mile 1.0.				✓					✓		✓	✓	✓	✓	✓	✓	✓	✓
Puyallup River from river mile 1.0 to junction with White River.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Puyallup River and tributaries from junction with White River to Mowich River (Except where designated char).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Puyallup River at and including Mowich River: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
South Prairie Creek and all tributaries above the Kepka Fishing Pond, except those waters in or above the Snoqualmie National Forest.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
South Prairie Creek and all tributaries above the Kepka Fishing Pond that are in or above the Snoqualmie National Forest.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Swan Creek upstream of tribal reservation.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Voight Creek and Bear Creek: All waters (including tributaries) above the junction, that are downstream of the Snoqualmie National Forest or Mt. Rainier National Park.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Voight Creek and Bear Creek: All waters (including tributaries) above the junction that are in or above the Snoqualmie National Forest or Mt. Rainier National Park.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
White River from mouth to latitude 47.2438 longitude -122.2422 (Sect. 1 T20N R4E).			✓					✓										
White River from latitude 47.2438 longitude -122.2422 (Sect. 1 T20N R4E) to Mud Mountain dam (including tributaries).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
White River from Mud Mountain Dam (river mile 27.1) to West Fork White River at (latitude 47. 3699 longitude -121.6197) except where designated Char.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
White River from and including West Fork White River: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Wilkeson Creek and Gale Creek: All waters (including tributaries) above the junction, except those waters in or above the Snoqualmie National Forest.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Wilkeson Creek and Gale Creek: All waters (including tributaries) above the junction that are in or above the Snoqualmie National Forest.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
WRIA 11 Nisqually																		
Big Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Copper Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
East Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Horn Creek and tributaries			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Little Nisqually River and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Mashel River and Little Mashel River: All waters (including tributaries) above the junction.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Mineral Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Muck Creek and tributaries		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Murray Creek and tributaries			✓							✓	✓	✓	✓	✓	✓	✓	✓	✓
Nisqually River mainstem from mouth to Alder Dam (river mile 44.2).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Nisqually River from Alder Dam (river mile 44.2) to Tahoma Creek (including tributaries) except where designated Char.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Nisqually River and Tahoma Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Rocky Slough from latitude 46.8882 longitude -122.4339 to latitude 46.9109 longitude -122.4012.			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Tanwax Creek and tributaries downstream of lakes			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
WRIA 12 Chambers-Clover																		

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Clover Creek from outlet of Lake Spanaway to inlet of Lake Steilacoom.			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
WRIA 13 Deschutes																		
Deschutes River from mouth to and including tributary to Offutt Lake.			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Deschutes River, and tributaries, upstream of the tributary to Offutt Lake (all waters in or above the national forest boundary).		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Deschutes River, and tributaries, upstream of the tributary to Offutt Lake (all waters below the national forest boundary).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
WRIA 14 Kennedy-Goldsborough																		
Campbell Creek and tributaries		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Coffee Creek and tributaries		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Cranberry Creek and tributaries		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Deer Creek and tributaries		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Goldsborough Creek and tributaries		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Hiawata Creek and tributaries			✓					✓										
Jarrell Creek and tributaries			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
John’s Creek and tributaries		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Jones Creek and tributaries			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Malaney Creek (at Spencer Lake)		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
McLane Creek and tributaries		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Mill Creek and tributaries		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Perry Creek and tributaries		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Shelton Creek and tributaries		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Uncle Johns Creek and tributaries		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Unnamed stream (latitude 47.2237 longitude -122.9135) at Peale Passage inlet on west side of Hartstene Island.			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
WRIA 15 Kitsap																		
Anderson Creek and tributaries		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Barker Creek and tributaries from Dyes Inlet to Island Lake		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Blackjack Creek and tributaries downstream of Square Lake		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Chico Creek and tributaries above junction with Kitsap Creek (tributaries to Chico Bay in Dyes Inlet).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Clear Creek from Dyes Inlet to headwaters (including tributaries)		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Gamble Creek and tributaries (latitude 47.8116 longitude -122.5797).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Gorst Creek and tributaries		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Martha John Creek and tributaries (latitude 47.8252 longitude -122.5632).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Ross Creek and tributaries		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Strawberry Creek and tributaries (latitude 47.6458 longitude -122.6933)		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Union River and tributaries from Bremerton Waterworks Dam (river mile 6.9) to headwaters.[1]		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Unnamed tributary to Sinclair Inlet between Gorst and Anderson Creeks (latitude 47.5270 longitude -122.6932).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Unnamed tributary to Sinclair Inlet (latitude 47.5471 longitude -122.6123) east of			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Blackjack Creek																		
Unnamed tributary west of Port Gamble Bay at latitude 47.8195 longitude -122.5848.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Notes for WRIA 15:																		
1. No waste discharge will be permitted.																		
WRIA 16 Skokomish-Dosewallips																		
Dosewallips River and tributaries.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Duckabush River and tributaries.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Hamma Hamma River and tributaries.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Rock Creek and unnamed tributary at latitude 47.3894 longitude -123.3496: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Skokomish River and tributaries, except where designated char.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Skokomish River, North Fork, from latitude 47.4160 longitude -123.2233 (below Cushman Upper Dam) to headwaters (including tributaries).	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Skokomish River, South Fork, and Brown Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Vance Creek and Cabin Creek all waters above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
WRIA 17 Quilcene-Snow																		
Big Quilcene River and tributaries.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
WRIA 18 Elwha-Dungeness																		
Boulder Creek and Deep Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Dungeness River mainstem from mouth to Canyon Creek (river mile 10.8).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Dungeness River, tributaries to mainstem, above and between confluence with Matriotti Creek to Canyon Creek (river mile 10.8).			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Dungeness River and Canyon Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Elwha River and tributaries from mouth to Cat Creek, except where designated Char.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Elwha River and Cat Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Ennis Creek and White Creek (and all tributaries) from the junction with the Strait of Juan De Fuca to the Olympic National Park Boundary.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Ennis Creek and tributaries lying above the Olympic National Park Boundary.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Griff Creek and the unnamed tributary at latitude 48.0135 longitude -123.5440 (Sect. 11 T29N R7W): All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Hughes Creek and the unnamed tributary at latitude 48.0298 longitude -123.6322 (Sect. 6 T29N R7W): All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Little River and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Matriotti Creek		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Wolf Creek and the unnamed tributary at latitude 47.9654 longitude -123.5374 (Sect. 35 T29N R7W): All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
WRIA 19 Lyre-Hoko																		
There are no specific waterbody entries for this WRIA.																		
WRIA 20 Soleduc																		

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Dickey River and tributaries.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Hoh River and tributaries from mouth to South Fork Hoh River.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Hoh River and South Fork Hoh River: All waters above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Quillayute River.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Soleduck River and tributaries from mouth to Canyon Creek.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Soleduck River and all tributaries above Canyon Creek.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
WRIA 21 Queets-Quinault																		
Clearwater River and the unnamed tributary at latitude 47.7270 longitude -124.0361 (Sect.26 T26N R11W): All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Kunamakst Creek and the unnamed tributary at latitude 47.7285 longitude -124.0771 (Sect.26 T26N R11W): All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Matheny Creek and the unnamed tributary at latitude 47.5592 longitude -123.9538: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Queets River and tributaries from mouth to Tshletshy Creek.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Queets River and tributaries above the junction with Tshletshy Creek.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Quinault River and tributaries from mouth to the junction with the North Fork Quinalt River.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Quinault River and North Fork Quinault: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Salmon River, Middle Fork, and the unnamed tributary at latitude 47.5208	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
longitude -123.9899: All waters (including tributaries) above the junction.																		
Sams River and the unnamed tributary at latitude 47.6059 longitude -123.8941: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Sollecks River and the unnamed tributary at latitude 47.6937 longitude -124.0133: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Stequaleho Creek and the unnamed tributary at latitude 47.6620 longitude -124.0426: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Tshletshy Creek and the unnamed tributary at latitude 47.6585 longitude -123.8668: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
WRIA 22 Lower Chehalis																		
Andrews Creek and tributaries above junction with West Fork.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Baker Creek and the unnamed tributary at latitude 47.3301 longitude -123.4142: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Big Creek and Middle Fork Big Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Canyon River and the unnamed tributary at latitude 47.3473 longitude -123.4936: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Chehalis River from upper boundary of Grays Harbor at Cosmopolis (river mile 3.1, longitude 123°45'45"W) to latitude 46.6004 and longitude -123.1472 (Section 23 T13N R43W on main stem and to latitude 46.6013 and longitude -123.1253 on South Fork..			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Chester Creek and the unnamed tributary at latitude 47.4196 longitude -123.7841: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Cloquallum Creek.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Decker Creek.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Delezene Creek and tributaries above latitude 46.9413 longitude -123.3893.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Elk River, West Branch and tributaries above latitude 46.8111 longitude -123.9774.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Goforth Creek and the unnamed tributary at latitude 47.3560 longitude -123.7323: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Hoquiam River, East Fork and tributaries above latitude 47.0524 longitude -123.8428 (above Lytle Creek).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Hoquiam River and tributaries above latitude 47.0571 longitude -123.9287 (above river mile 9.3 - Dekay Road Bridge) (upper limit of tidal influence).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Hoquiam River, Middle Fork and tributaries above latitude 47.0418 longitude -123.9052.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Hoquiam River mainstem (continues as west fork above east fork) from mouth to river mile 9.3 - Dekay Road Bridge) (upper limit of tidal influence).				✓					✓		✓	✓	✓	✓	✓	✓	✓	✓
Humptulips River and tributaries from mouth to latitude 47.0810 longitude -124.0655 (Section 4 T18N R11W).			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Humptulips River and tributaries from latitude 47.0810 longitude -124.0655 (Section 4 T18N R11W) to Olympic National Forest boundary (except where designated Char) .		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Humptulips River and tributaries from Olympic National Forest boundary to headwaters (except where designated Char) .		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Humptulips River, East Fork, and the unnamed tributary at latitude 47.3821	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
longitude -123.7163: All waters (including tributaries) above the junction.																		
Humptulips River, West Fork, and Petes Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Johns River and North Fork Johns River: All waters above the junction.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Little Hoquiam River, North Fork and tributaries above latitude 47.0001 longitude -123.9269.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Little Hoquiam River and tributaries above latitude 46.9934 longitude -123.9364.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Mox Chehalis Creek and tributaries above and latitude 46.9680 longitude -123.3083.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Newskah Creek and tributaries above latitude 46.9163 longitude -123.8235 (Section 32 T16N R9W).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Satsop River and tributaries from latitude 46.9854 longitude -123.4887 (Section 6 T17N R6W) to headwaters, except where designated Char.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Satsop River, West Fork, and Robertson Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Satsop River, Middle Fork, and the unnamed tributary at latitude 47.3340 longitude -123.4451: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Wildcat Creek and tributaries above junction with Cloquallum Creek.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Wishkah River, East Fork and tributaries above latitude 47.0801 longitude -123.7560.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Wishkah River from mouth to river mile 6 (SW 1/4 SW 1/4 NE 1/4 Sec. 21-T18N-R9W).				✓					✓		✓	✓	✓	✓	✓	✓	✓	✓
Wishkah River from river mile 6 (SW 1/4 SW 1/4 NE 1/4 Sec. 21-T18N-R9W) to			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
latitude 47.1089 longitude -123.7908.																		
Wishkah River from river and tributaries from latitude 47.1089 longitude -123.7908 to junction with West Fork.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Wishkah River and tributaries from and including West Fork to headwaters. [1]		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Wynoochee River and tributaries from latitude 46.9709 longitude -123.6252 to (near railroad crossing) ~~mouth~~ to Olympic National Forest boundary (river mile 45.9).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Wynoochee River and tributaries from Olympic National Forest boundary (river mile 45.9) to Wynoochee Dam.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Wynoochee River and all tributaries above Wynoochee Dam.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Notes for WRIA 22:																		
1. No waste discharge will be permitted from south boundary of Sec. 33-T21N-R8W (river mile 32.0) to headwaters.																		
WRIA 23 Upper Chehalis																		
Bunker Creek and tributaries.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Cedar Creek and tributaries above latitude 46.8760 longitude -123.2714 (near intersection with Highway 12).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Chehalis River, South Fork (including tributaries) above latitude 46.6014 longitude -123.1253 (near junction with State Route 6), except where specifically designated Char.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Chehalis River (including tributaries) above latitude 46.6004 longitude -123.1473 (Section 23 T13N R4W, except where specifically designated Char.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Chehalis River mainstem from upper boundary of Grays Harbor at Cosmopolis (river mile 3.1, longitude 123°45'45"W) to latitude 46.6004 longitude -123.1473			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
(Section 23 T13N R4W on main stem and to latitude 46.6014 longitude -123.1253 on South Fork.[1]																		
Chehalis River, South Fork, and the unnamed tributary at latitude 49.179 longitude -123.4127 (Sect. 10 T10N R4W): All waters (including tributaries) above the junction.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Chehalis River, West Fork, and East Fork Chehalis River: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Coffee Creek and tributaries.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Eight Creek and the unnamed tributary at latitude 46.6211 longitude -123.4127: All waters (including tributaries) above the junction.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Fall Creek and the unnamed tributary at Sect. 22 T15N R1E: All waters (including tributaries) above their junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Garrard Creek, South Fork, and tributaries above latitude 46.8013 longitude -123.3060.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Hanaford Creek and all tributaries from east boundary of Sec. 25-T15N-R2W (river mile 4.1) to the unnamed tributary at latitude 46.7295 longitude -122.6812 except where designated Char.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Hanaford Creek and all tributaries from mouth to east boundary of Sec. 25-T15N-R2W (river mile 4.1)[2].			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Hanaford Creek and the unnamed tributary at latitude 46.7295 longitude -122.6812 (Sect. 4 T14N R1E): All waters (including tributaries) above the junction.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Kearney Creek and the unnamed tributary at latitude 46.6256 longitude -122.5683: All waters (including tributaries) above the junction.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Laramie Creek and the unnamed tributary at latitude 46.7901 longitude -122.5901: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Lincoln Creek, North Fork and tributaries above latitude 46.7370 longitude -123.7370 and (Section 36 T15N R5W).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Lincoln Creek, South Fork and tributaries above latitude 46.7253 longitude -123.2306 (Section 6 T14N R4W).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Mima Creek and tributaries above latitude 46.8588 longitude -123.0856.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Newaukum River and tributaries (except where designated Char).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Newaukum River, North Fork, and the unnamed tributary at latitude 46.6793 longitude -122.6677: All waters (including tributaries) above the junction.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Newaukum River, South Fork, and Frase Creek: All waters (including tributaries) above the junction.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Pheeny Creek and the unnamed tributary at latitude 46.7836 longitude -122.6276 (Sect. 13 T15N R1E): All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Porter Creek and Jamaica Day Creek: All waters above the junction.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Rock Creek (upstream of Callow): All waters above confluence with Chehalis River (Section 15, T16N, R5W), except where designated otherwise in this table.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Rock Creek (upstream of Pe Ell) and the unnamed tributary at latitude 46.5279 longitude -123.3782 (Sect. 11 T12N R6W): All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Scatter Creek and tributaries from latitude 46.8025 longitude -123.0863 (near mouth) to headwaters.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Seven Creek and the unnamed tributary at latitude 46.6192 longitude -123.3723:	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
All waters (including tributaries) above the junction.																		
Skookumchuck River and tributaries from junction with Hanaford Creek to headwaters (except where designated char).		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Skookumchuck River mainstem from mouth to Hanaford Creek.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Skookumchuck River and Hospital Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Stearns Creek's, unnamed (GIS Ripple Creek) tributary at latitude 46.5711 longitude -122.9692 (Section 30 T13N R2W).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Stearns Creek's, unnamed tributary to West Fork at latitude 46.5824 longitude -123.0222 (Section 26 T13N R3W.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Stillman Creek and Little Mill Creek (Sect. 23 T12N R4W): All waters (including tributaries) above the junction.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Thrash Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Waddel Creek and tributaries.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Notes for WRIA 23:																		
1. Chehalis River from Scammon Creek (RM 65.8) to Newaukum River (RM 75.2);dissolved oxygen shall exceed 5.0 mg/L from June 1 to September 15. For the remainder of the year, the dissolved oxygen shall meet standard criteria.																		
2. Dissolved oxygen shall exceed 6.5 mg/L.																		
WRIA 24 Willapa																		
Bear River, unnamed south flowing tributary at latitude 46.3342 longitude -123.9394 (Section 20 T10N R10W).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Bear River and tributaries above latitude 46.3284 longitude -123.3284 (Section 28		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
T10N R10W) to headwaters.																		
Canon River and tributaries above latitude 46.5879 longitude -123.8672 (Section 25 T13N R10W).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Lower Salmon Creek and tributaries.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Middle Nemah River and tributaries above latitude 46.4873 longitude -123.8855 (Section 35 T12N R10W).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Mill Creek and tributaries above latitude 46.6448 longitude -123.6251 (Section 1 T13N R8W).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Naselle River from O'Conner Creek to headwaters (including tributaries).		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
North Nemah River and tributaries above latitude 46.5172 longitude -123.8665 (Section 14 T12N R10W).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
North River and Fall River: All waters above the junction (Section 25 T15N R7W).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Pioneer Creek and tributaries above latitude 46.8149 longitude -123.5502 (Section 4 T15N R7W).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Salmon Creek and tributaries above latitude 46.8904 longitude -123.6829 (Section 9 T16N R8W).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Smith Creek and tributaries above latitude 46.7554 longitude -123.8424 (Section 30 T15N R9W).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
South Naselle River above latitude 46.3499 longitude -123.8093 (Section 16 T10N R9W).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
South Nemah River above latitude 46.4406 longitude -123.8630 (Section 13 T11N R10W).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Stringer Creek and tributaries (Section 25 T13N R8W).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Willapa River South Fork and tributaries above latitude 46.6479 longitude -123.7267 (Section 6 T13N R8W).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Willapa River and Oxbow Creek: All waters upstream of the junction (Section 25 T13N R8W).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Williams Creek and tributaries above latitude 46.5284 longitude -123.8668 (Section 14 T12N R10W).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
WRIA 25 Grays-Elochoman																		
Abernathy Creek and Cameron Creek: All waters above the junction.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Coal Creek and Tributaries above and latitude 46.1839 longitude -123.0338 (just below Harmony Creek).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Elochoman River and tributaries from mouth to latitude 46.2289 longitude -123.3597 (Section 30 T9N R6W).			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Elochoman River and tributaries from latitude 46.2289 longitude -123.3597 (Section 30 T9N R6W) to headwaters.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Germany Creek from latitude 46.1946 longitude -123.1259 (near mouth) to headwaters.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Grays River from latitude 46.3454 longitude -123.6099 to headwaters.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Hull Creek and tributaries.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Mill Creek and Tributaries above latitude 46.1906 longitude -123.1802 (near mouth).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Skomokawa Creek and Wilson Creek: All waters above the junction.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
WRIA 26 Cowlitz																		
Cispus River and tributaries.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Coweeman River and tributaries from mouth to latitude 46.1405 longitude -122.8532 (Section 31 T8N R1W).			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Coweeman River and tributaries from latitude 46.1405 longitude -122.8532 Section 31 T8N R1W) to Mulholland Creek (river mile 18.4).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Coweeman River and tributaries from Mulholland Creek (river mile 18.4) to headwaters.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Cowlitz River and tributaries from mouth to latitude 46.2622 longitude -122.9001 (Section 14 T9N R2W).			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Cowlitz River from latitude 46.2622 longitude -122.9001 (Section 14 T9N R2W) base of Riffe Lake Dam (river mile 52.0).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Cowlitz River, and tributaries from base of Riffe Lake Dam (river mile 52.0) to headwaters.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Green River and tributaries.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Toutle River and tributaries from mouth to Green River on North Fork.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Toutle River, North Fork, and tributaries from Green River to headwaters.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Toutle River, South Fork, and tributaries.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
WRIA 27 Lewis																		
Alec Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Big Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Chickoon Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Clear Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Clearwater Creek and unnamed creek: All waters (including tributaries) above the junction (Sect. 15 T8N R6E – below junction of Smith and Muddy Creeks).	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Curly Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Cussed Hollow Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Kalama River east of Interstate 5 to Kalama River Falls (river mile 10.4) (including tributaries).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Kalama River from lower Kalama River Falls (river mile 10.4) to headwaters (including tributaries).		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Lewis River from Houghton Creek (including tributaries) to Lake Merwin.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Lewis River and Pass Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Lewis River's unnamed tributaries at latitude 46.1122 longitude -121.9174 (Sect. 11 T7N R7E).	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Lewis River, East Fork, from and including Mason Creek to Multon Falls (river mile 24.6) including tributaries.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Lewis River, East Fork, and tributaries from Multon Falls (river mile 24.6) to headwaters.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Little Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Panamaker Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Pin Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Pine Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Quartz Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Rush Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Spencer Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Steamboat Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Tillicum Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
WRIA 28 Salmon-Washougal																		
Burnt Bridge Creek.			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Duncan Creek and unnamed tributary just east of Duncan Creek: All waters north of highway 14..		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Green Leaf Creek and Hamilton Creek: All waters above the junction.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Hardy Creek and tributaries above lake inlet.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Lawton Creek and tributaries above latitude 45.5708 longitude -122.2576 (Section 13).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Salmon Creek from latitude 45.7176 longitude -122.6958 (below junction with Cougar Creek) and tributaries.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Washougal River from latitude 45.5883 longitude -122.3711 (Section 7 T1N R4E) (including tributaries).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Woodward Creek and tributaries north of highway 14.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
WRIA 29 Wind-White Salmon																		
Bear Creek (tributary to White Salmon River) below National Forest Boundary			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Buck Creek and all tributaries (Two Buck Creeks drain to the White Salmon River, the mouth of this creek is found in Section 21 T7NR10E).	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Carson Creek.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

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Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Catherine Creek and tributaries.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Cave Creek below National Forest Boundary			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Gilmer Creek and all tributaries, except as noted otherwise.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Gilmer Creek's unnamed tributary in Sections 29 and 32 T5N R11E.			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Gotchen Creek and all tributaries, except those waters in or above the Gifford Pinchot National Forest.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Gotchen Creek and all tributaries that are in or above the Gifford Pinchot National Forest.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Green Canyon Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Jewett Creek and tributaries.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Killowatt Canyon Creek below National Forest Boundary.			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Little White Salmon River and tributaries downstream of National Forest boundary.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Little White Salmon River and tributaries in or above National Forest boundary.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Major Creek and tributaries.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Morrison Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Rattlesnake Creek and the unnamed tributary at latitude 45.8512 longitude -121.4081: All waters (including tributaries) above the junction.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Rock Creek and tributaries downstream of Gifford Pinchot National Forest boundaries..		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Spring Creek below National Forest Boundary.			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Trout Lake Creek and all tributaries below Trout Lake.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Trout Lake Creek and all tributaries at and above Trout Lake.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
White Salmon River (including all natural tributaries) occurring downstream of National Forest boundary, not otherwise designated Char.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
White Salmon River (including all natural tributaries) occurring in or upstream of National Forest boundary, not otherwise designated Char.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
White Salmon River drainage's unnamed tributaries that terminate in Section 13 T6NR10E (latitude 46.0055 longitude 121.4991); all portions occurring downstream of the Gifford Pinchot National Forest boundary.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
White Salmon River drainage's unnamed tributaries that terminate in Section 13 T6NR10E (latitude 46.0055 longitude 121.4991); all portions occurring upstream of the Gifford Pinchot National Forest boundary.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
White Salmon River and Cascade Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Wind River and tributaries downstream of Gifford Pinchot National Forest boundaries.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Wind River and tributaries in or upstream of Gifford Pinchot National Forest.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
WRIA 30 Klickitat																		
Clearwater Creek and Trappers Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Cougar Creek and Big Muddy Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Diamond Creek and Caitin Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Diamond Fork's unnamed tributaries at latitude 46.4205 longitude -121.1562.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Diamond Fork's unnamed tributaries at latitude 46.4355 longitude -121.1590 (outlet of Maiden Springs).	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Fish Lake Stream and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Frasier Creek and Outlet Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Klickitat River mainstem from mouth to Little Klickitat River (river mile 19.8).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Klickitat River from Little Klickitat River (river mile 19.8) to Diamond Fork.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Klickitat River and all tributaries above the junction with Diamond Fork.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Little Klickitat River and all tributaries above the junction with Cozy Nook Creek.			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Little Muddy Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
McCreedy Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
WRIA 31 Rock-Glade																		
Squaw Creek and unnamed tributary at and latitude 45.8758 longitude -120.4324 (Section 33 T5N R19E): all waters above junction.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Rock Creek and Quartz Creek: all waters above junction.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
WRIA 32 Walla Walla																		
Blue Creek and tributaries above latitude 46.0581 and longitude 118.0971	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Coppei Creek, North and South Forks (including tributaries).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Dry Creek and tributaries above junction with unnamed creek at latitude 46.1197 longitude -118.1378 (Seaman Rd).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Mill Creek from mouth to 13th Street Bridge in Walla Walla (river mile 6.4).[1]			✓						✓		✓	✓	✓	✓	✓	✓	✓	✓
Mill Creek from 13th Street Bridge in Walla Walla (river mile 6.4) to latitude 46.0862 longitude -118.2395 in north channel and latitude 46.0800 longitude -118.2541 in south channel.			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Mill Creek from latitude 46.0862 longitude -118.2395 in north channel and latitude 46.0800 longitude -118.2541 in south channel to headwaters (including tributaries) except where otherwise designated Char.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Mill Creek and Railroad Canyon: All waters (including tributaries) above the junction up to city of Walla Walla Waterworks Dam (river mile 21.6).	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Mill Creek and tributaries from city of Walla Walla Waterworks Dam (river mile 21.6) to headwaters (including upstream and downstream of where Mill Creek flows into Oregon).[2]	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Touchet River above latitude 46.3172 longitude -118.0000 (Sect. 30 T10N R38E) (including tributaries) not otherwise designated Char.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Touchet River, North Fork, and Wolf Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Touchet River, South Fork, and the unnamed tributary at latitude 46.2307 longitude -117.9397: All waters (including tributaries) above the junction, except those waters in or above the Umatilla National Forest.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Touchet River, South Fork, and the unnamed tributary at latitude 46.2307 longitude -117.9397: All waters (including tributaries) above the junction that are in or above the Umatilla National Forest.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Walla Walla River from mouth to Lowden (Dry Creek at river mile 27.2).				✓					✓		✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Walla Walla River from Lowden (Dry Creek at river mile 27.2) to Oregon border (river mile 40).[3]			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Whiskey Creek, and unnamed tributary system at and latitude 46.2176 longitude -118.0667 (Section 33 T9N R38E), all waters above junction.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Notes for WRIA 32:																		
1. Dissolved oxygen concentration shall exceed 5.0 mg/L.																		
2. No waste discharge will be permitted for Mill Creek and tributaries from city of Walla Walla Waterworks Dam (river mile 21.6) to headwaters.																		
3. Temperature shall not exceed a 1-DMax of 20.0°C due to human activities. When natural conditions exceed a 1-DMax of 20.0°C, no temperature increase will be allowed which will raise the receiving water temperature by greater than 0.3°C; nor shall such temperature increases, at any time, exceed t = 34/(T + 9).																		
WRIA 33 Lower Snake																		
Snake River from mouth to Washington-Idaho-Oregon border (river mile 176.1).[1]			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Notes for WRIA 33:																		
1. Below Clearwater River (river mile 139.3). Temperature shall not exceed a 1-DMax of 20.0°C due to human activities. When natural conditions exceed a 1-DMax of 20.0°C, no temperature increase will be allowed which will raise the receiving water temperature by greater than 0.3°C; nor shall such temperature increases, at any time, exceed t = 34/(T + 9). Special condition - special fish passage exemption as described in WAC 173-201A-200 (1) (f).																		
WRIA 34 Palouse																		
Palouse River from Palouse Falls to south fork (Colfax, river mile 89.6).				✓					✓		✓	✓	✓	✓	✓	✓	✓	✓
Palouse River mainstem from mouth to Palouse Falls			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Palouse River from south fork (Colfax, river mile 89.6) to Idaho border (river mile 123.4).[1]			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Notes on WRIA 34:																		

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
1. Temperature shall not exceed a 1-DMax of 20.0°C due to human activities. When natural conditions exceed a 1-DMax of 20.0°C, no temperature increase will be allowed which will raise the receiving water temperature by greater than 0.3°C; nor shall such temperature increases, at any time, exceed t = 34/(T + 9).																		
WRIA 35 Middle Snake																		
All streams flowing into Oregon from North Fork Wenaha River east to, and including, Fairview Creek.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Asotin River from and including Charley Creek to headwaters (including tributaries) not otherwise designated Char.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Asotin River, North Fork, and all tributaries above Lick Creek, except those waters in or above the Umatilla National Forest.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Asotin River, North Fork, and all tributaries above Lick Creek that are in or above the Umatilla National Forest.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Charley Creek and the unnamed tributary at latitude 46.2851 longitude -117.3216: All waters (including tributaries) above the junction, except those waters in or above the Umatilla National Forest.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Charley Creek and the unnamed tributary at latitude 46.2851 longitude -117.3216: All waters (including tributaries) above the junction that are in or above the Umatilla National Forest.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Cottonwood Creek and the unnamed tributary at latitude 46.0678 longitude -117.3015 (Section 21 T7N R44E) all waters above the junction.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Crooked Creek (including tributaries) from Oregon Border to headwaters.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Cummings Creek and all tributaries, except those waters in or above the Umatilla National Forest.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Cummings Creek and all tributaries that are in or above the Umatilla National Forest.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
George Creek, above and including Coombs Canyon (including tributaries).	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
George Creek and the unnamed tributary at latitude 46.2292 longitude -117.1874 (Section 29 T9N R45E), all waters above junction not otherwise designated Char.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Grande Ronde River from mouth to Oregon border (river mile 37).[1]			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Grouse Creek and tributaries from Oregon border.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Grub Canyon and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Hixon Canyon and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Little Tucannon River and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Menatchee Creek and West Fork Menatchee Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Pataha Creek and Dry Pataha Creek: All waters (including tributaries) above the junction, except those waters in or above the Umatilla National Forest.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Pataha Creek and Dry Pataha Creek: All waters (including tributaries) above the junction that are in or above the Umatilla National Forest.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Snake River from mouth to Washington-Idaho-Oregon border (river mile 176.1).[2]			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Tenmile Creek, all waters above junction with unnamed creek at latitude 46.2156 longitude -117.0386 (Section 33 T9N R46E).		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Tucannon River and tributaries from latitude 46.4592 longitude -117.8461 (Section 6, T11N R40E) to Panjab Creek (except where designated Char).		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Tucannon River mainstem from between Little Tucannon River and Panjab Creek.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Tucannon River and Panjab Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Tucannon River's unnamed tributaries in Sect. 1 T10N R40E and in Sect. 35 T11N R40E (South of Marengo): all waters above their forks.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Tumalum Creek and the unnamed tributary at latitude 46.3594 longitude -117.6488: All waters (including tributaries) above the junction, except those waters in or above the Umatilla National Forest.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Tumalum Creek and the unnamed tributary at latitude 46.3594 longitude -117.6488: All waters (including tributaries) above the junction that are in or above the Umatilla National Forest.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Willow Creek and the unnamed tributary at latitude 46.4182 longitude -117.8314: All waters (including tributaries) above the junction.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Notes for WRIA 35:																		
1. Temperature shall not exceed a 1-DMax of 20.0°C due to human activities. When natural conditions exceed a 1-DMax of 20.0°C, no temperature increase will be allowed which will raise the receiving water temperature by greater than 0.3°C; nor shall such temperature increases, at any time, exceed t = 34/(T + 9).																		
2. The following two notes apply:																		
(a) Below Clearwater River (river mile 139.3). Temperature shall not exceed a 1-DMax of 20.0°C due to human activities. When natural conditions exceed a 1-DMax of 20.0°C, no temperature increase will be allowed which will raise the receiving water temperature by greater than 0.3°C; nor shall such temperature increases, at any time, exceed t = 34/(T + 9). Special condition - special fish passage exemption as described in WAC 173-201A-200 (1) (f).																		
(b) Above Clearwater River (river mile 139.3). Temperature shall not exceed a 1-DMax of 20.0°C due to human activities. When natural conditions exceed a 1-DMax of 20.0°C, no temperature increases will be allowed which will raise the receiving water temperature by greater than 0.3°C; nor shall such temperature increases, at any time, exceed 0.3°C due to any single source or 1.1°C due to all such activities combined.																		

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
WRIA 36 Esquatzel Coulee																		
There are no specific waterbody entries for this WRIA.																		
WRIA 37 Lower Yakima																		
Ahtanum Creek North Fork's unnamed tributaries at latitude 46.5465 longitude -120.8857.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Ahtanum Creek North Fork's unnamed tributaries at latitude 46.5395 longitude -120.9851.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Ahtanum Creek, between junction with South Fork and junction of North and Middle Forks (including tributaries) except where designated Char.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Ahtanum Creek, North Fork, and Middle Fork Ahtanum Creek: All waters (including tributaries) above the junction.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Ahtanum Creek, South Fork, and all tributaries.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Carpenter Gulch and all tributaries.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Foundation Creek and all tributaries.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Nasty Creek and all tributaries.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Sulphur Creek.				✓					✓		✓	✓	✓	✓	✓	✓	✓	✓
Yakima River from mouth to Cle Elum River (river mile 185.6) except where specifically designated otherwise in Table 602.[1]			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Notes for WRIA 37:																		
1. Temperature shall not exceed a 1-DMax of 21.0°C due to human activities. When natural conditions exceed a 1-DMax of 21.0°C, no temperature increase will be allowed which will raise the receiving water temperature by greater than 0.3°C; nor shall such temperature increases, at any time, exceed t = 34/(T + 9).																		

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
WRIA 38 Naches																		
American River and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Barton Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Bumping Lake's unnamed tributaries at latitude 46.8850 longitude -121.2779.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Bumping River's unnamed tributaries at latitude 46.9317 longitude -121.2067 (outlet of Flat Iron Lake).	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Bumping River and tributaries downstream of the upper end of Bumping Lake (except where designated Char).		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Bumping River (and tributaries) upstream of Bumping Lake.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Cedar Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Clear Creek and tributaries (including Clear Lake).	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Crow Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Deep Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Goat Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Granite Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Indian Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Little Naches River and Bear Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Little Naches River, South Fork and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Naches River and tributaries from latitude 46.7640 longitude -120.8286 (just upstream of Cougar Canyon) to Snoqualmie National Forest boundary (river mile 35.7) (except where designated Char).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Naches River from Snoqualmie National Forest boundary (river mile 35.7) to headwaters (except where designated Char).		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Pileup Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Quartz Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Rattlesnake Creek: All waters above the junction with North Fork Rattlesnake Creek.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Rattlesnake Creek, North Fork, all waters above latitude 46.8107 longitude 121.0694 (from and including the unnamed tributary just above junction with mainstem).	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Sand Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Sunrise Creek (latitude 46.9042 longitude -121.2431) and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Tieton River and tributaries (except where otherwise designated)..		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Tieton River, North Fork (including tributaries) above the junction at Clear Lake.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Tieton River, South Fork, and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
WRIA 39 Upper Yakima																		
Cle Elum River from mouth to latitude 47.3805 longitude -121.0983 (above Little Salmon la Sac Creek).		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Cle Elum River and all tributaries from junction with unnamed tributary at and latitude 47.3805 longitude -121.0983 to headwaters.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Indian Creek and tributaries downstream of Wenatchee National Forest boundary below.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Indian Creek and tributaries in or above National Forest boundary.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Jack Creek and tributaries downstream of Wenatchee National Forest boundary below.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Jack Creek and tributaries in or above National Forest boundary.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Little Kachess Lake (narrowest point dividing Kachess Lake from Little Kachess Lake) and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Manastash Creek: All waters above the Junction of the North and South Forks that are downstream of the Wenatchee National Forest boundary.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Manastash Creek: All waters above the Junction of the North and South Forks that are in or above the Wenatchee National Forest.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Manastash Creek mainstem from mouth to junction of North and South Forks.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Manastash Creek, tributaries to mainstem, between the mouth and the junction of North and South Forks.			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Swauk Creek mainstem from mouth to junction with First Creek.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Swauk Creek from junction with First Creek to Wenatchee National Forest (including tributaries).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Taneum Creek, tributaries to mainstem, from mouth to Wenatchee National Forest boundary.			✓				✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Taneum Creek mainstem from mouth to Wenatchee National Forest boundary.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Teanaway River mainstem from mouth to West Fork Teanaway River.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Teanaway River, tributaries to mainstem, from mouth to West Fork Teanaway River.			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Teanaway River, West Fork, and tributaries downstream of the Wenatchee National Forest.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Teanaway River, West Fork, and tributaries upstream of the Wenatchee National Forest.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Teanaway River, North Fork, and tributaries from junction with West Fork to Jungle Creek that are downstream of the Wenatchee National Forest boundary (except where designated otherwise).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Teanaway River, North Fork, and tributaries from junction with West Fork to Jungle Creek that are in or above the Wenatchee National Forest boundary (except where designated otherwise).		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Teanaway River, North Fork, and all tributaries above and including Jungle Creek.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Yakima River mainstem from mouth to Cle Elum River (river mile 185.6) except where specifically designated otherwise in Table 602.[1]			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Yakima River and tributaries from Cle Elum River (river mile 185.6) to headwaters (except where designated otherwise).		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Yakima River and tributaries above the unnamed tributary (latitude 47.2927 longitude -121.2971) entering the Yakima River in Sect.25 T21NR12E.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Notes for WRIA 39:																		
1. Temperature shall not exceed a 1-DMax of 21.0°C due to human activities. When natural conditions exceed a 1-DMax of 21.0°C, no temperature increase will be allowed which will raise the receiving water temperature by greater than 0.3°C; nor shall such temperature increases, at any time, exceed t = 34/(T + 9).																		
WRIA 40 Alkaki-Squilchuck																		
There are no specific waterbody entries for this WRIA.																		
WRIA 41 Lower Crab																		

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Crab Creek and tributaries.				✓					✓		✓	✓	✓	✓	✓	✓	✓	✓
WRIA 42 Grand Coulee																		
Crab Creek and tributaries.				✓					✓		✓	✓	✓	✓	✓	✓	✓	✓
WRIA 43 Upper Crab-Wilson																		
Crab Creek and tributaries.				✓					✓		✓	✓	✓	✓	✓	✓	✓	✓
WRIA 44 Moses Coulee																		
There are no specific waterbody entries for this WRIA.																		
WRIA 45 Wenatchee																		
Chiwaukum Creek from junction with Skinney Creek to headwaters (including tributaries).	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Chiwawa River from mouth to Chickamin Creek (including tributaries).		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Chiwawa River (and all tributaries) above and including Chickamin Creek.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Chumstick Creek and tributaries downstream of the National Forest boundary (not otherwise designated Char).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Chumstick Creek and tributaries in or above the National Forest boundary (not otherwise designated Char).		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Dry Creek and Chumstick Creek: All waters (including tributaries) above the junction, except those waters in or above the Wenatchee National Forest.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Dry Creek and Chumstick Creek: All waters (including tributaries) above the junction that are in or above the Wenatchee National Forest.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Eagle Creek and the unnamed tributary at latitude 47.6544 longitude -120.5165: All waters (including tributaries) above the junction, except those waters in or	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
above the Wenatchee National Forest.																		
Eagle Creek and the unnamed tributary at latitude 47.6544 longitude -120.5165: All waters (including tributaries) above the junction that are in or above the Wenatchee National Forest.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Icicle Creek (including tributaries) from mouth to confluence National Forest Boundary.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Icicle Creek (including tributaries) from National Forest boundary to confluence with Jack Creek.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Icicle Creek above and including Jack Creek (including all tributaries).	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Ingalls Creek (including tributaries).	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Mission Creek from latitude 47.5583 longitude -120.5745 to headwaters (including tributaries) downstream of the National Forest boundary.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Mission Creek from latitude 47.5583 longitude -120.5745 to headwaters (including tributaries) in or above the National Forest boundary.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Peshastin Creek from National Forest Boundary to headwaters (including tributaries) except where designated Char.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	
Peshastin Creek from junction with Mill Creek to National Forest Boundary (including tributaries).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	
Second Creek and the unnamed tributary at latitude 47.7384 longitude -120.5935: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Van Creek and the unnamed tributary at latitude 47.6722 longitude -120.5373: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Wenatchee River mainstem between Peshastin Creek and the boundary of the		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Wenatchee National Forest (river mile 27.1).																		
Wenatchee River from Wenatchee National Forest boundary (river mile 27.1) to Chiwawa River (including tributaries) except where designated otherwise.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Wenatchee River and all tributaries upstream of Minnow Creek (above Chiwawa River junction).	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
WRIA 46 Entiat																		
Brennegan Creek and the unnamed tributary at and latitude 47.9098 longitude -120.4185: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Entiat River and tributaries occurring below the National Forest boundary from and including the Mad River to Wenatchee National Forest boundary on the mainstem Entiat River (river mile 20.5).		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Entiat River and all tributaries above the unnamed creek at and latitude 47.9135 longitude -120.4942 (below Fox Creek).	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Entiat River's unnamed tributaries upstream of latitude 47.9106 longitude -121.5010 (below Fox Creek).	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Gray Canyon, North Fork, and South Fork Gray Canyon: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Hornet Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Mad River and all tributaries above latitude 47.8015 longitude -120.4920 (below Young Creek).	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Mud Creek and Switchback Canyon: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Potato Creek and Gene Creek: All waters above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Preston Creek and South Fork Preston Creek: All waters (including tributaries). above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Stormy Creek and the unnamed tributary at latitude 47.8387 longitude -120.3865: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Tillicum Creek and Indian Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
WRIA 47 Chelan																		
Stehekin River.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
WRIA 48 Methow																		
Bear Creek from mouth to headwaters (including tributaries) in or above the National Forest boundary.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Bear Creek from mouth to headwaters (including tributaries) downstream of the National Forest boundary.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Beaver Creek and South Fork Beaver Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Big Hidden Lake and all tributaries, and the outlet stream that flows into the East Fork Pasayten River.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Boulder Creek and Pebble Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Buttermilk Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Chewuch River and tributaries from mouth to headwaters (except where designated otherwise).		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Chewuch River and tributaries above Buck Creek at Section 30, T38, R22E..	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Eagle Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Early Winters Creek (including tributaries) from mouth to headwaters.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Eureka Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Goat Creek above the junction with Roundup Creek to headwaters (including tributaries).	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Gold Creek and all tributaries, except those waters in or above the Okanogan National Forest.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Gold Creek and all tributaries that are in or above the Okanogan National Forest.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Lake Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Libby Creek and Hornel Draw: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Little Bridge Creek and tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Lost River Gorge and all tributaries upstream of junction with Sunset Creek.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Methow River from mouth to junction with Twisp River.			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Methow River from junction with Twisp River to Chewuch River (river mile 50.1).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Methow River and tributaries from Chewuch River (river mile 50.1) to headwaters (except where designated char.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Methow River, West Fork, (including tributaries) from and including Robinson Creek and its tributaries to headwaters (except unnamed tributary above mouth at latitude 48.6594 longitude -120.5382.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Pipestone Canyon Creek and all tributaries below Campbell Lake.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Pipestone Canyon Creek and all tributaries above Campbell Lake, Campbell Lake, and all tributaries to Campbell Lake.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Smith Canyon Creek and Elderberry Canyon: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Twisp River from mouth to War Creek.		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Twisp River and War Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Wolf Creek from and including unnamed tributary at latitude 48.4849 longitude -120.3180 to headwaters (including tributaries).	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
WRIA 49 Okanogan																		
Okanogan River.			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
WRIA 50 Foster																		
There are no specific waterbody entries for this WRIA.																		
WRIA 51 Nespelem																		
There are no specific waterbody entries for this WRIA.																		
WRIA 52 Sanpoil																		
There are no specific waterbody entries for this WRIA.																		
WRIA 53 Lower Lake Roosevelt																		
There are no specific waterbody entries for this WRIA.																		
WRIA 54 Lower Spokane																		
Spokane River from mouth to Long Lake Dam (river mile 33.9).[1]			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Spokane River from Long Lake Dam (river mile 33.9) to Nine Mile Bridge (river mile 58.0).[2]		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Spokane River from Nine Mile Bridge (river mile 58.0) to the Idaho border (river mile 96.5).[3]			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Notes for WRIA 54:																		
1. Temperature shall not exceed a 1-DMax of 20.0°C due to human activities. When natural conditions exceed a 1-DMax of 20.0°C, no temperature increase will be allowed which will raise the receiving water temperature by greater than 0.3°C; nor shall such temperature increases, at any time, exceed t = 34/(T + 9).																		
2. a. The average euphotic zone concentration of total phosphorus (as P) shall not exceed 25µg/L during the period of June 1 to October 31. b. Temperature shall not exceed a 1-DMax of 20.0°C, due to human activities. When natural conditions exceed a 1-DMax of 20.0°C, no temperature increase will be allowed which will raise the receiving water temperature by greater than 0.3°C; nor shall such temperature increases, at any time, exceed t = 34/(T + 9).																		
3. Temperature shall not exceed a 1-DMax of 20.0°C due to human activities. When natural conditions exceed a 1-DMax of 20.0°C no temperature increase will be allowed which will raise the receiving water temperature by greater than 0.3°C; nor shall such temperature increases, at any time exceed t=34/(T+9).																		
WRIA 55 Little Spokane																		
There are no specific waterbody entries for this WRIA.																		
WRIA 56 Hangman																		
There are no specific waterbody entries for this WRIA.																		
WRIA 57 Middle Spokane																		
Lake Creek and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Spokane River from Nine Mile Bridge (river mile 58.0) to the Idaho border (river mile 96.5).[1]			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
Notes on WRIA 57:																		
1. Temperature shall not exceed a 1-DMax of 20.0°C due to human activities. When natural conditions exceed a 1-DMax of 20.0°C no temperature increase will be allowed which will raise the receiving water temperature by greater than 0.3°C; nor shall such temperature increases, at any time exceed t=34/(T+9).																		
WRIA 58 Middle Lake Roosevelt																		
There are no specific waterbody entries for this WRIA.																		
WRIA 59 Colville																		
Colville River.			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
WRIA 60 Kettle																		
There are no specific waterbody entries for this WRIA.																		
WRIA 61 Upper Lake Roosevelt																		
There are no specific waterbody entries for this WRIA.																		
WRIA 62 Pend Oreille																		
All streams flowing into Idaho from Bath Creek (latitude 48.5865 longitude 117.0351) to the Canadian border.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Calispell Creek (including tributaries) from Small Creek to Calispell Lake.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Calispell Lake and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Cedar Creek from latitude 48.7500 longitude -117.4349 (including tributaries) to headwaters: all waters that are in the Colville National Forest.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Cedar Creek from latitude 48.7500 longitude -117.4349 to (including tributaries) to headwaters: all waters that are outside the Colville National Forest.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Cedar Creek from mouth to latitude 48.7500 longitude -117.4349 (including		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
tributaries) in or above Colville National Forest boundary.																		
Cedar Creek from mouth to latitude 48.7500 longitude -117.4349 (including tributaries) downstream of the Colville National Forest.		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Harvey Creek and Paupac Creek: All waters (including tributaries) above the junction.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Indian Creek from mouth to headwaters.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Le Clerc Creek, East Branch, and West Branch Le Clerc Creek: All waters (including tributaries) above the junction, except those waters in or above the Colville National Forest.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Le Clerc Creek, East Branch, and West Branch Le Clerc Creek: All waters (including tributaries) above the junction that are in or above the Colville National Forest.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Le Clerc Creek from mouth to junction with West Branch le Clerc Creek (including tributaries).		✓						✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Mill Creek from mouth to headwaters (including tributaries).		✓					✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Pend Oreille River from Canadian border (river mile 16.0) to Idaho border (river mile 87.7).[1]			✓					✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Slate Creek from mouth to headwaters (including tributaries).	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Small Creek and all tributaries, except those waters in or above the National Forest.	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Small Creek and all tributaries that are in or above the National Forest.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
South Salmo River and all tributaries.	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Sullivan Creek above junction with Harvey Creek (including tributaries) to	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

TABLE 602	Aquatic Life Uses						Recreation Uses			Water Supply Uses				Misc. Uses				
Use Designations for Fresh Waters by Water Resource Inventory Area (WRIA)	Char Spawning /Rearing	Core Summer Habitat	Spawning/Rearing	Rearing/Migration Only	Redband Trout	Warm Water Species	Ex Primary Cont	Primary Cont	Secondary Cont	Domestic Water	Industrial Water	Agricultural Water	Stock Water	Wildlife Habitat	Harvesting	Commerce/Navigation	Boating	Aesthetics
headwaters.																		
Tacoma Creek, South Fork, upstream of Tacoma Creek and downstream of the Colville National Forest boundary (including tributaries).	✓							✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Tacoma Creek, South Fork, and tributaries upstream of the Colville National Forest boundary (including tributaries).	✓						✓			✓	✓	✓	✓	✓	✓	✓	✓	✓

Notes for WRIA 62:

1. Temperature shall not exceed a 1-DMax of 20.0°C due to human activities. When natural conditions exceed a 1-DMax of 20.0°C, no temperature increase will be allowed which will raise the receiving water temperature by greater than 0.3°C; nor shall such temperature increases, at any time, exceed $t = 34/(T + 9)$.

173-201A-610
Use designations — Marine waters.

All marine surface waters have been assigned specific uses for protection under Table 612.

Table 610 (Key to Table 612)

Abbreviation	General Description
Aquatic Life Uses:	(see WAC 173-201A-210(1))
Extraordinary	Extraordinary quality salmonid and other fish migration, rearing, and spawning; clam, oyster, and mussel rearing and spawning; crustaceans and other shellfish (crabs, shrimp, crayfish, scallops, etc.) rearing and spawning.
Excellent	Excellent quality salmonid and other fish migration, rearing, and spawning; clam, oyster, and mussel rearing and spawning; crustaceans and other shellfish (crabs, shrimp, crayfish, scallops, etc.) rearing and spawning.
Good	Good quality salmonid migration and rearing; other fish migration, rearing, and spawning; clam, oyster, and mussel rearing and spawning; crustaceans and other shellfish (crabs, shrimp, crayfish, scallops, etc.) rearing and spawning.
Fair	Fair quality salmonid and other fish migration.
Shellfish Harvesting:	(see WAC 173-201A-210(2))
Shellfish Harvest	Shellfish (clam, oyster, and mussel) harvesting.
Recreational Uses:	(see WAC 173-201A-210(3))
Primary Cont.	Primary contact recreation.
Secondary Cont.	Secondary contact recreation.

Miscellaneous Uses:	(see WAC 173-201A-210(4))
Wildlife Habitat	Wildlife habitat.
Harvesting	Salmonid and other fish harvesting, and crustacean and other shellfish (crabs, shrimp, scallops, etc.) harvesting.
Com./Navig.	Commerce and navigation.
Boating	Boating.
Aesthetics	Aesthetic values.

[Statutory Authority: Chapters 90.48 and 90.54 RCW. 03-14-129 (Order 02-14), § 173-201A-610, filed 7/1/03, effective 8/1/03.]

173-201A-612

Table 612 — Use designations for marine waters.

(1) Table 612 lists uses for marine waters. Only the uses with the most stringent criteria are listed. The criteria notes in Table 612 take precedence over the criteria in WAC 173-201A-210 for the same parameter.

(2) Table 612 is necessary to determine and fully comply with the requirements of this chapter. If you are viewing a paper copy of the rule from the office of the code reviser or are using their web site, Table 612 may be missing (it will instead say "place illustration here"). In this situation, you may view Table 612 at the department of ecology's web site at www.ecy.wa.gov, or request a paper copy of the rule with Table 612 from the department of ecology or the office of the code reviser.

Table 612	Aquatic Life Uses				Shellfish Harvest	Recreational Uses		Misc. Uses				
Use Designations for Marine Waters	Extraordinary	Excellent	Good	Fair		Primary Cont	Secondary Cont	Wildlife Habitat	Harvesting	Com/Navig	Boating	Aesthetics
Budd Inlet south of latitude 47°04'N (south of Priest Point Park).			✓				✓	✓	✓	✓	✓	✓
Coastal waters: Pacific Ocean from Ilwaco to Cape Flattery.	✓				✓	✓		✓	✓	✓	✓	✓

Commencement Bay south and east of a line bearing 258° true from "Brown's Point" and north and west of line bearing 225° true through the Hylebos waterway light.		✓			✓	✓		✓	✓	✓	✓	✓
Commencement Bay, inner, south and east of a line bearing 225° true through Hylebos waterway light except the city waterway south and east of south 11th Street.			✓				✓	✓	✓	✓	✓	✓
Commencement Bay, city waterway south and east of south 11th Street.				✓			✓	✓		✓	✓	✓
Drayton Harbor, south of entrance.		✓			✓	✓		✓	✓	✓	✓	✓
Dyes and Sinclair inlets west of longitude 122°37'W.		✓			✓	✓		✓	✓	✓	✓	✓
Elliott Bay east of a line between Pier 91 and Duwamish Head.		✓			✓	✓		✓	✓	✓	✓	✓
Everett Harbor, inner, northeast of a line bearing 121° true from approximately 47°59'5"N and 122°13'44"W (southwest corner of the pier).			✓				✓	✓	✓	✓	✓	✓
Grays Harbor west of longitude 123°59'W.		✓			✓	✓		✓	✓	✓	✓	✓
Grays Harbor east of longitude 123°59'W to longitude 123°45'45"W (Cosmopolis Chehalis River, river mile 3.1). Special condition - dissolved oxygen shall exceed 5.0 mg/L.			✓				✓	✓	✓	✓	✓	✓
Guemes Channel, Padilla, Samish and Bellingham bays east of longitude 122°39'W and north of latitude 48°27'20"N.		✓			✓	✓		✓	✓	✓	✓	✓
Hood Canal.	✓				✓	✓		✓	✓	✓	✓	✓
Mukilteo and all North Puget Sound west of longitude 122°39'W (Whidbey, Fidalgo, Guemes and Lummi islands and State Highway 20 Bridge at Deception Pass), except as otherwise noted.	✓				✓	✓		✓	✓	✓	✓	✓
Oakland Bay west of longitude 123°05'W (inner Shelton harbor).			✓				✓	✓	✓	✓	✓	✓
Port Angeles south and west of a line bearing 152° true from buoy "2" at the tip of Ediz Hook.		✓			✓	✓		✓	✓	✓	✓	✓
Port Gamble south of latitude 47°51'20"N.		✓			✓	✓		✓	✓	✓	✓	✓
Port Townsend west of a line between Point Hudson and Kala Point.		✓			✓	✓		✓	✓	✓	✓	✓
Possession Sound, south of latitude 47°57'N.	✓				✓	✓		✓	✓	✓	✓	✓
Possession Sound, Port Susan, Saratoga Passage, and Skagit Bay east of Whidbey Island and State Highway 20 Bridge at Deception Pass between latitude 47°57'N (Mukilteo) and latitude 48°27'20"N (Similk Bay), except as otherwise noted.		✓			✓	✓		✓	✓	✓	✓	✓

Puget Sound through Admiralty Inlet and South Puget Sound, south and west to longitude 122°52'30"W (Brisco Point) and longitude 122°51'W (northern tip of Hartstene Island).	✓				✓	✓		✓	✓	✓	✓	✓
Sequim Bay southward of entrance.	✓				✓	✓		✓	✓	✓	✓	✓
South Puget Sound west of longitude 122°52'30"W (Brisco Point) and longitude 122°51'W (northern tip of Hartstene Island, except as otherwise noted).		✓			✓	✓		✓	✓	✓	✓	✓
Strait of Juan de Fuca.	✓				✓	✓		✓	✓	✓	✓	✓
Totten Inlet and Little Skookum Inlet, west of longitude 122°56'32" (west side of Steamboat Island).	✓				✓	✓		✓	✓	✓	✓	✓
Willapa Bay seaward of a line bearing 70° true through Mailboat Slough light (Willapa River, river mile 1.8).		✓			✓	✓		✓	✓	✓	✓	✓