

Final Cost Benefit and Least Burdensome Alternative Analysis

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

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Final Cost Benefit and Least Burdensome Alternative Analysis

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

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Executive Summary

The Washington State Department of Ecology's (Ecology) amendments to Chapter 173-201A Washington Administrative Code (WAC) - Water Quality Standards for Surface Waters of the State of Washington provide a net benefit to social and business welfare.

The Administrative Procedures Act (Revised Code of Washington (RCW) 34.05.328(d)(e)) requires two types of analyses before adopting a significant legislative rule – a cost-benefit analysis and a least burdensome alternative analysis. This report provides the results of these analyses and shows the potential impacts associated with the adopted rule.

The water quality standards are the basis for protecting and regulating the quality of surface waters in Washington. Ecology made four types of changes to the rule:

- Reference corrections
- Correcting typographic errors
- New or deleted rule language.
- Formatting

The amendments impose no costs.

The amendments create benefits in the form of decreased regulatory burden and costs on businesses. They lessen the temperature requirements, fecal coliform limits, and/or dissolved oxygen limits in some areas. The decreased costs of meeting these less stringent requirements represent a benefit to these businesses in the form of foregone costs. The amount of cost savings would depend on the individual business and their costs of meeting the more stringent requirements previously in place.

Because the adopted rule represents an increase in economic benefits and no increase in economic costs, it represents a net benefit overall.

In the Least Burdensome Analysis, Ecology concluded there is sufficient evidence the adopted rule is the least burdensome version of the rule for those who are required to comply. Ecology considered two main alternatives:

- 1. No action; continued implementation of existing rules.
- 2. Minor corrections and clarifications to the existing rules.

Based on those alternatives, Ecology concluded the adopted rule is the least burdensome.

I. Conclusion

Ecology determines the benefits of the amendments are greater than the costs and represent the least burdensome alternative of the rule.

II. Purpose of Analysis

Ecology is amending Chapter 173-201A WAC. The Administrative Procedures Act (RCW 34.05.328(d)(e)) requires two types of analyses before adopting a significant legislative rule – a cost-benefit analysis and a least burdensome alternative analysis. This report provides the results of these analyses and shows the potential impacts associated with the adopted rule.

III. Background

Ecology amended Chapter 173-201A WAC - Water Quality Standards for Surface Waters of the State of Washington. The water quality standards are the basis for protecting and regulating the quality of surface waters in Washington. The standards:

- Implement portions of the federal Clean Water Act by specifying the designated and potential uses of waterbodies in Washington State.
- Set water quality criteria to protect those uses and acknowledge limitations.
- Contain policies to protect high quality waters (antidegradation) and in many cases specify how criteria are to be implemented, for example in permits.

The standards are established to sustain public health and public enjoyment of the waters and the propagation and protection of fish, shellfish, and wildlife. This three-part approach was designed to set limits on pollution in our lakes, rivers, and marine waters to protect beneficial uses such as aquatic life, swimming, and fishing.

The standards also support other water protection processes and guide Washington citizens, businesses and other government agencies to the goal of sustaining clean water for current and future use. The three-part approach covers:

- Designated uses, such as fishing, swimming, and aquatic life habitat.
- Numeric and narrative water quality criteria limits to protect the uses.
- Policies, such as antidegradation, to protect higher quality waters from being further degraded.

IV. Reason for this Rule

Ecology adopted the previous version of the Water Quality Standards (Chapter 173-201A WAC) in 2006. Ecology subsequently identified portions of the previous rule that contained typographic errors and narrative text or tables that needed more clarity. This 2011 version of the adopted rule amendment makes the rule more accurate and easier to understand by correcting and clarifying sections that previously caused confusion for some stakeholders.

Ecology made four types of changes to the rule:

- Reference corrections
- Correcting typographic errors
- Added or removed rule language
- Formatting

These changes are explained below.

Reference corrections

Several of the amendments to the rule correct missing references that were not included the last time Ecology amended the rule in 2006. For example, the definition section of the rule (173-201A-010(4)) describes the general process of designating waterbodies. This definition should have referenced the marine section of the rule but didn't.

Correcting typographic errors

Several of the amendments correct typographic errors. For example:

- In the 2006 version of Table 602, the word "junction" appeared in several places and was intended to describe the location of a waterbody intersecting another waterbody. In fact, the more appropriate definition of "junction" describes the intersection between a waterbody and human infrastructure, such as a road or bridge. The word "confluence" is more appropriately defined as the intersection between two or more waterbodies. To more accurately reflect locations where a waterbody intersects another waterbody and to avoid confusion with terminology, "junction" has been replaced with "confluence" where it is found in Table 602.
- In Table 602, several waterbody names were updated to reflect the naming conventions established in the Geographic Name Information Service (GNIS).
- Extra spaces were also deleted.

New or deleted rule language

In a few cases, Ecology added or removed some rule language for clarification purposes. Generally, this is a result of the transition from the 1997 Water Quality Standards format to the 2006 format.

• In the 1997 rule format, the criteria for fresh and marine water were in the same section of the rule and descriptions of how to apply criteria for the two water regimes were

intermingled. When the format was changed to separate the fresh and marine waters, the application methods for each water regime were not completely separated and remnants of the 1997 format remained in the prior rule. For example:

- In the section of the rule describing marine water criteria (173-201A-210) there was reference to waters with specific flow levels (10 cfs to 100 cfs flow). These measures are used in stream systems and are not appropriate for marine waters.
- In Table 602, some waterbodies were identified with multiple descriptors, such as latitude and longitude, a common name, and a Township Section Range number. Several records had identifiers that did not correlate with one another, and were updated to more accurately reflect the location description.
- In Table 602, some waterbodies had conflicting criteria for a given portion of water. The records were updated to match the more stringent criteria already in place.
- In Table 602, some designated uses were not identified, or incorrectly identified, due to human error. The records were updated to reflect the appropriate designated use for that waterbody.
- Ecology Publication 06-10-038, *Waters Requiring Supplemental Spawning and Incubation Protection for Salmonid Species*, is now incorporated into the rule and include the following changes:
 - The word "proposed" was removed as the publication is now incorporated into the final rule.
 - The author's name was removed from the maps.
 - The legend for WRIA 26 contains a subtitle "Existing Char Criteria (remains 12°C)" that is incorrect. The subtitle was corrected to read "Open Water and Open Features".
 - The extra line in the legend for WRIA 38 reading "Proposed Spawning/Incubation Criteria" was removed.
 - The WRIA 14 Kennedy-Goldsborough map showed the incorrect length of spawning criteria on Johns Creek. The length was corrected to match the written description provided by the Environmental Protection Agency prior to the 2006 rule-making.

Formatting

Several tables have been reformatted or adjusted so they are more clear and accurate:

- The Freshwater Temperature table 173-201A-200(1)(c) was changed to remove seasonal temperature criteria for "char" and "salmon and trout spawning" from the aquatic life use categories that apply year round, because text already exists under the table to address the seasonal spawning temperatures. The seasonal temperature criteria only address temperature for a specific time frame. Including the seasonal temperature criteria in the aquatic life uses table for temperature was confusing to people because they assumed other convention criteria (dissolved oxygen; pH; total dissolved gas; and turbidity) also had seasonal spawning criteria, which was not a correct assumption.
- Table 230(1) had unnecessary blank cells and extra columns that were removed for clarity.
- The Toxic table (173-201A-240)(3) and all its footnotes
 - An error in the ammonia equation occurred when the Office of the Code Reviser, who formally prepares the state's rule language, converted the text into a different format.
 - During the text conversion process, several formulas lost their superscript value. To avoid future potential conversion problems the table and notes to the table are being submitted to the Code Reviser as a PDF.
- The images for Table 602 are entirely replaced with PFD images for higher quality resolution and readability.

IV. Scope of Analysis

From the discussion above, the vast majority of amendments result in neither costs nor benefits. However, some amendments to 173-201A-602 WAC were determined to have potential economic impact. This analysis will center on those changes.

WRIA	CHANGE
WRIA 18 Elwha-Dungeness - Matriotti	From Extraordinary Primary Contact to
Creek	Primary Contact
WRIA 23 Upper Chehalis – Hanaford Creek	Change in aquatic life use from Core Summer
	Habitat to Spawning/Rearing
WRIA 32 Walla Walla – Mill Creek from	Change in aquatic use from
mouth to river mile 6.4	Spawning/Rearing to Rearing/Migration only
WRIA 39 Upper Yakima – Taneum Creek	Boundary change from Extraordinary Primary
from mouth to Wenatchee National Forest	Contact to Primary Contact
Supplemental Spawning Maps (Ecology	Increase area of spawning criteria from
publication 06-10-038) at WRIA 14	mouth to approximately 1.0 miles inland to
Kennedy-Goldsborough – Johns Creek	3.0 miles inland could potentially have an
	economic impact.

V. Comparison of Current and Proposed Rule

This analysis focuses on five changes as discussed above. These include:

- WRIA 18 Elwha-Dungeness Matriotti Creek
- WRIA 23 Upper Chehalis Hanaford Creek
- WRIA 32 Walla Walla Mill Creek from mouth to river mile 6.4
- WRIA 39 Upper Yakima Taneum Creek from mouth to Wenatchee National Forest boundary
- Supplemental Spawning Map for WRIA 14 Kennedy-Goldsborough Johns Creek

Each will be dealt with separately.

WRIA 18 Elwha-Dungeness – Matriotti Creek

Previously, this waterbody was classified as Extraordinary Primary Contact. This limited fecal coliform organisms to a maximum of 50 colonies per 100 mL. Ecology changed this classification to the less stringent Primary Contact use, which increased the amount of fecal coliform allowed to 100 colonies per 100 mL. This increase in the allowable level of fecal coliform organisms represents a lowering of the regulatory burden of the rule.

WRIA 23 Upper Chehalis – Hanaford Creek

Previously, the aquatic life use designation for this waterbody was Core Summer Habitat, which set a temperature limit of 16°C (highest 7 day average maximum) and dissolved oxygen limit of 9.5 mg/L (lowest 1 day minimum). The change in aquatic use designation to Spawning/Rearing set less stringent limits of 17.5°C (highest 7 day average maximum) and 8.0 mg/L (lowest 1 day minimum) respectively. This change represents a lowering of the regulatory burden of the rule.

WRIA 32 Walla Walla – Mill Creek

Previously, the aquatic life use designation for this waterbody was Spawning/Rearing, which set a dissolved oxygen limit of 8.0 mg/L (lowest 1 day minimum). The change in aquatic use designation to Rearing/Migration Only set a less stringent limit of 6.5 mg/L (lowest 1 day minimum). This change represents a lowering of the regulatory burden of the rule.

WRIA 39 Upper Yakima – Taneum Creek

Previously, this waterbody was classified as Extraordinary Primary Contact. This limited fecal coliform organisms to a maximum of 50 colonies per 100 mL. The change in classification to the less stringent Primary Contact use, increases the amount of fecal coliform allowed to 100 colonies per 100 mL. This increase in the allowable level of fecal coliform organisms represents a lowering of the regulatory burden of the rule.

Supplemental Spawning Map for WRIA 14 Kennedy-Goldsborough – Johns Creek

Previously, the aquatic life use designation for this waterbody was Core Summer Habitat, which set a baseline temperature limit of 16° C (highest 7 day average maximum). However, this waterbody also had supplemental spawning criteria that are applied at 13° C (highest 7 day average maximum) from September 1 – May 15^{th} of each year, according to the supplemental spawning map for WRIA 14 (Ecology publication 06-10-038). The change increases the line work for John's Creek where the supplemental spawning criteria apply (the previous map did not accurately reflect the coverage of the supplemental spawning criteria according to what EPA intended before the 2006 rule-making). This correction causes the more stringent supplemental spawning temperature limit to apply to a larger portion of John's Creek, and represents a potential increase in the regulatory burden of the rule.

VI. Baseline for Analysis

The baseline for analysis of the rule amendments is the regulatory environment in the absence of any changes to the previously existing rule. Without the adoption of the amendments, the previously existing requirements would have remained in place.

VII. Analysis of Costs & Benefits

This analysis focuses on the five changes as discussed above. These include:

- WRIA 18 Elwha-Dungeness Matriotti Creek;
- WRIA 23 Upper Chehalis Hanaford Creek;
- WRIA 32 Walla Walla Mill Creek from mouth to river mile 6.4;
- WRIA 39 Upper Yakima Taneum Creek from mouth to Wenatchee National Forest boundary; and
- Supplemental Spawning Map for WRIA 14 Kennedy-Goldsborough Johns Creek

Costs

The changes in WRIA 18, WRIA 23, WRIA 32, and WRIA 39 correct misclassifications and misdesignations for these waterbodies. Because the previous classifications and designations were more restrictive than necessary for each area, correcting them does not impact the spawning process. Therefore, no environmental costs were incurred.

The changes to the Supplemental Spawning Map for WRIA 14 at Johns Creek decreases the temperature limit of a roughly 2-mile stretch of the waterbody from 16°C (highest 7 day average maximum) to 13°C (highest 7 day average maximum). While this represents a strengthening of the regulatory requirement and has the potential to incur costs to comply with the more stringent limit, the area in question has no primary sources and has land-use designations as follows:

- Parks 70 percent
- Undeveloped 15 percent

- Residential 10 percent
- Agriculture 5 percent

Benefits

By lessening the temperature requirements, fecal coliform limits, and/or dissolved oxygen limits in WRIA 18, WRIA 23, WRIA 32, and WRIA 39, the adopted rule reduces the regulatory burden on impacted businesses. The decreased costs of meeting these less stringent requirements represent a benefit to these businesses in the form of foregone costs. The amount of cost savings depends on the individual business and their costs of meeting the more stringent requirements previously in place.

The increased temperature requirements on Johns Creek yield potential benefits to fish. The actual benefits depend on the current state of the waterbody, which is uncertain.

Net benefits

The adopted rule creates benefits and does not create costs. Therefore, the net benefits of the adopted rule are greater than zero.

VIII. Least Burdensome Analysis

RCW 34.05.328(1)(e) requires Ecology to "determine, after considering alternative versions of the rule and the analysis required under (b), (c), and (d) of this subsection, that the rule being adopted is the least burdensome alternative for those required to comply with it that will achieve the general goals and specific objectives stated under (a) of this subsection."

Determination

Based on research and analysis required by RCW 34.05.328(1)(e) the Department of Ecology determines:

There is sufficient evidence the adopted rule is the least burdensome version of the rule for those who are required to comply, given the goals and objectives of the law, for Ecology to adopt the rule.

General goals and specific objectives of the authorizing statutes

The purpose of Chapter 173-201A WAC - Water Quality Standards for Surface Waters of the State of Washington, 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. Chapter 90.48.035 RCW provides clear and direct authority to Ecology to revise the water quality standards.

Alternative rule content considered

Ecology considered the following alternatives.

Alternative A: No action - Continued implementation of existing rules

No Action means the continued implementation of the previously existing rules.

For purposes of this analysis, continuing to use the previously existing Water Quality Standards rules is considered the "no action alternative". Portions of text or tables in the previously existing surface water quality standards contained errors that were introduced during the 2006 rule making. The "no action" alternative would not allow the opportunity to reduce confusion and make the rules more user-friendly to people who need to use and understand the standards. Further, the "no action "alternative does not provide for an opportunity to correct and clarify these errors before the next triennial review process, which will identify major issues or substantive changes that may require rule-making.

Alternative B: Minor corrections and clarifications to the existing rule.

The adopted changes correct and clarify errors in the existing rule that have caused confusion for some stakeholders.

Alternative B adopts changes that make the rule more accurate and easier to understand by correcting and clarifying sections that have caused confusion for some stakeholders. It also provides an opportunity to correct and clarify these errors before the next triennial review process, which will identify major issues or substantive changes that may require rule making. This rule making paves the way to the next triennial review.

Anticipated impacts from alternative B

- *Missing references in several sections of the rule* Several sections in the main body of the rule have references added that were erroneously not included in the previous rule making. This adds clarity to the existing rule.
- Typographic errors

There is a number of spelling or punctuation corrections and typographic errors such as removal of an extraneous word or errors in mathematical equations introduced during the text conversion process. These changes improve readability of the existing rule.

• Incorrect geographic locations in table 602

Changes to Table 602 include corrections in location information (lat/longs not matching an identified township/range/section, better naming conventions), and other errors identified when waterbody information in section 173-201A-130 (special classifications for freshwater) of the 1997 rule were converted to Table 602 in the 2003 rule. These changes provide clarity, and reduce or eliminate confusion caused from conflicting information.

• Minor clarifications to language

Users of the previous rule identified several areas in the rule that were confusing. Clarification in these areas results in a better understanding of the rule intent. These include corrections to inaccurate references between fresh and marine water standards. These changes provide clarity, and lessen or eliminate confusion caused from conflicting information.

IX. Appendices

The table below lists the amendments to the Water Quality Standards rule (173-201A WAC). Included is the current language, amended rule language and a brief description of the amendment. The final column indicates whether the amendment is included in the economic analysis and an identifier of the reason if it is not. Following this table is a discussion of the reasons an amendment was not included in the analysis.

WAC Section Citation	Current Language	Amended Language	Brief Description	Analyzed
173-201A- 010(1)(a)	All surface waters are protected by narrative criteria, designated uses, and an antidegradation policy.	All surface waters are protected by numeric and narrative criteria, designated uses, and an antidegradation policy.	Added words "numeric and" to clarify how uses are protected.	No (1)
173-201A- 010(4)	WAC 173-201A-200 through 173-201A-260 describes the designated water uses and criteria for the state of Washington.	WAC 173-201A-200 through 173-201A-260 and 173-201A-600 through 173-201A-612 describe the designated water uses and criteria for the state of Washington.	Clarify that the designated uses and criteria includes the subsections of the rule that describes the "default" categories of freshwater and marine designations.	No (1)
173-201A-020	"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.	"Action value" means a total phosphorus (TP) value established at the upper limit of the trophic states in each ecoregion (see <u>Table 230(1))</u> . Exceedance of an action value indicates that a problem is suspected.	Clarify the rule to include the reference to the Tables for the Trophic states in each ecoregion.	No (1)
173-201A-020	A lake-specific study may be needed to confirm if a nutrient problem exits.	A lake-specific study may be needed to confirm if a nutrient problem exists.	Spelling correction: was " exits" ; changed to " exists" .	No (1)

173-201A-020	"Enterococci" refers to a subgroup of the fecal streptococci that includes <i>S. faecalis,</i> <i>S. faecium, S. gallinarum,</i> and <i>S. avium.</i> 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.	"Enterococci" refers to a subgroup of fecal streptococci that includes <i>S. faecalis, S. faecium, S. gallinarum,</i> and <i>S. avium.</i> 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.	Grammatical correction, removed the extra word "the"	No (1)
173-201A-020	"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.	"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.	Typographic correction to change commas to semi- colons to separate sources of pollution.	No (1)

173-201A-					Clarify the rule to eliminate	No (
200(1)(c)	Table 200 (1)(c)			Supplemental Spawning	
	Aquatic Life Temperature C	riteria in Fresh Water	Table 200 Aquatic Life Temperature (3 W/2 C	temperatures from this table, because they are not	
	Category	Highest 7-DADMax			Aquatic Life Uses; they are	
	Char Spawning	9≂℃ (48.2≂F)	Category	Highest 7-DADMax	seasonally applied criteria.	
	Char Spawning and Rearing*	12℃ (53.6℃F)	Char Spawning and Rearing*	12°C (53.6°F)	The seasonal Supplemental Spawning criteria is	
	Salmon and Trout Spawning	13∞C (55.4∞F)	Core Summer Salmonid	16°C (60.8°F)	described in WAC 173-	
	Core Summer Salmonid Habitat*	16℃C (60.8℃F)	Habitat* Salmonid Spawning,	17.5°C (63.5°F)	201A-200 (1)(c)(iv).	
	Salmonid Spawning, Rearing, and Migration*	17.5 ℃C (63.5 ℃F)	Rearing, and Migration * Salmonid Rearing and	17.5°C (63.5°F)	Added asterisks to those	
	Salmonid Rearing and Migration Only	17.5 ℃C (63.5 ℃F)	Migration Only		designated uses that may have seasonal spawning	
	Non-anadromous Interior Redband Trout	18 °C (64.4 °F)	Non-anadromous Interior Redband Trout	18°C (64.4°F)	criteria to match with text below on how seasonal	
	Indigenous Warm Water Species	20 ℃C (68 ℃F)	Indigenous Warm Water Species	20°C (68°F)	temperatures are addressed.	

applied seasonally to further protect

Salmonid Spawning and Egg Incubation.

See WAC 173-201A -200(1)(c)(iv) below.

supplemental seasonal

temperature criteria for some streams and what

references those criteria.

section of the rule

173-201A-	The department will incorporate the	The department will incorporate the	Clarify the rule to include	No (1)
200(1)(c)(vii)	following guidelines on preventing acute	following guidelines on preventing acute	the reference to WAC 173-	
	lethality and barriers to migration of	lethality and barriers to migration of	201A-600	
	salmonids into determinations of	salmonids into determinations of		
	compliance with the narrative	compliance with the narrative		
	requirements for use protection	requirements for use protection		
	established in this chapter (e.g., WAC 173-	established in this chapter (e.g., WAC 173-		
	201A-310(1), 173-201A-400(4), and 173-	201A-310(1), 173-201A-400(4), and 173-		
	201A-410 (1)(c)). The following site-level	201A-410 (1)(c)). The following site-level		
	considerations do not, however, override	considerations do not, however, override		
	the temperature criteria established for	the temperature criteria established for		
	waters in subsection (1)(c) of this section	waters in subsection (1)(c) of this section		
	or WAC 173-201A-602:	or WAC 173-201A-600 through 173-201A-		
		602:		
173-201A-	For projects working within or along lakes,	For projects working within or along lakes,	Removing reference to	No (1)
200(1)(e)(i)(D)	ponds, wetlands, estuaries, marine waters	ponds, wetlands, or other nonflowing	estuarine and marine	
	or other nonflowing waters, the point of	waters, the point of compliance shall be at	waters to clarify that this	
	compliance shall be at a radius of one	a radius of one hundred fifty feet from the	section pertains to	
	hundred fifty feet from the activity causing	activity causing the turbidity exceedance.	freshwater only.	
	the turbidity exceedance.			

173-201A-	The turbidity criteria established under	The turbidity criteria established under	Inserted reference to	No (1)
210(1)(e)(i)	WAC 173-201A-210 (1)(e) shall be	WAC 173-201A-210 (1)(e) shall be	estuary and marine point of	
	modified, without specific written	modified, without specific written	compliance.	
	authorization from the department, to	authorization from the department, to		
	allow a temporary area of mixing during	allow a temporary area of mixing during	Removed subsections A – D	
	and immediately after necessary in-water	and immediately after necessary in-water	because they refer to	
	construction activities that result in the	construction activities that result in the	"downstream activity" or	
	disturbance of in-place sediments. This	disturbance of in-place sediments. This	"other non flowing waters"	
	temporary area of mixing is subject to the	temporary area of mixing is subject to the	which is inappropriate for	
	constraints of WAC 173-201A-400 (4) and	constraints of WAC 173-201A-400 (4) and	marine criteria.	
	(6) and can occur only after the activity	(6) and can occur only after the activity		
	has received all other necessary local and	has received all other necessary local and		
	state permits and approvals, and after the	state permits and approvals, and after the		
	implementation of appropriate best	implementation of appropriate best		
	management practices to avoid or	management practices to avoid or		
	minimize disturbance of in-place	minimize disturbance of in-place		
	sediments and exceedances of the	sediments and exceedances of the		
	turbidity criteria.	turbidity criteria. For estuaries or marine		
	A-temporary area of mixing shall be-as	waters, the point of compliance for a		
	follows:	temporary area of mixing shall be <u>at a</u>		
	(A) For waters up to 10 cfs flow at the time	radius of one hundred fifty feet from the		
	of construction, the point of compliance	activity causing the turbidity exceedance.		
	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 within or along lakes,			
	ponds, wetlands, estuaries, marine waters			
	or other non flowing waters, the point of	17		
	compliance shall be at a radius of one	17		
	hundred fifty feet from the activity causing			
	the turbidity exceedance.			

173-201A- 230(1)	Table 230(1)	No text change , just a request to the OTS / Code Reviser's office to fix the format of the table to remove the extra blank cells.	The blank cells in Table 230(1) are unnecessary and were removed or merged. The online WAC shows extra columns and is confusing to	No (1)
			review.	
173-201A-	(3)(a) Conduct a lake-specific study to	(3)(a) Conduct a lake-specific study to	Correct typographic error:	No (1)
230(3)(a)	evaluate the characteristic uses of the	evaluate the characteristic uses of the	change the case: "Total	
	lake. A lake-specific study may vary	lake. A lake-specific study may vary	phosphorus" to "total	
	depending on the source or threat of	depending on the source or threat of	phosphorous."	
	impairment. Phytoplankton blooms, toxic	impairment. Phytoplankton blooms, toxic		
	phytoplankton, or excessive aquatic	phytoplankton, or excessive aquatic		
	plants, are examples of various sources of	plants, are examples of various sources of		
	impairment. The following are examples of	impairment. The following are examples of		
	quantitative measures that a study may	quantitative measures that a study may		
	describe: Total phosphorus, total nitrogen,	describe: total phosphorus, total nitrogen,		
	chlorophyll-a, dissolved oxygen in the	chlorophyll-a, dissolved oxygen in the		
	hypolimnion if thermally stratified, pH,	hypolimnion if thermally stratified, pH,		
	hardness, or other measures of existing	hardness, or other measures of existing		
	conditions and potential changes in any	conditions and potential changes in any		
	one of these parameters.	one of these parameters.		
173-201A-	The department shall employ or require	The department shall employ or require	Changed the term	No (1)
240(2)	chemical testing, acute and chronic	chemical testing, acute and chronic	"characteristic beneficial	
	toxicity testing, and biological	toxicity testing, and biological	uses" to "designated uses"	
	assessments, as appropriate, to evaluate	assessments, as appropriate, to evaluate		
	compliance with subsection (1) of this	compliance with subsection (1) of this		
	section and to ensure that aquatic	section and to ensure that aquatic		
	communities and the existing and	communities and the existing and		
	characteristic beneficial uses of waters are	designated uses of waters are being fully		
	being fully protected.	protected.		

173-201A-	Table 240(3)	:			Ammonia (un-ionized NH3) hh	The Ammonia (un-ionized	No (1)
240(3)	Ammonia (un-ionized N	IH3) hh			Polychlorinated Biphenyls (PCBs)	NH3) hh and Polychlorinated Biphenyls (PCBs) criteria were	
	Polychlorinat Biphenyls (PC					incorrectly split between two rows. The rows were combined, but no values changed.	
						Formatting comments to OTS to remove invisible lines (columns) showing on the website before each "acute" column.	
173-201A- 240(3)(f)	f. Shall not exceed the nu For salmonids present:	merical value in total ammonia ni 0.275	trogen (mg N/L) give +	en by: 39.0	Shall not exceed the numerical value in total ammonia nitrogen (mg $\rm NL)$ given by:	The existing formulas appeared as a table format formula. The table was	No (1)
	For salmonids absent:	1 + 10 ^{1,204} 78	-	1 + 10 pH-7.04	For salmonids present: $\frac{0.275}{1+10^{7.204-pH}} + \frac{39.0}{1+10^{pH-7.204}}$	replaced by a Word formula, increasing readability. Formula did	
	For samonids absent.	0.411 1 + 10 ^{1.304} 98	. .	58.4 1 + 10 pH-1.204	For salmonids absent: $\frac{0.411}{1+10^{7.204-pH}} + \frac{58.4}{1+10^{pH-7.204}}$	not change.	
173-201A- 240(3)(g)	RATIO = (20.25 x 10(7 ≤ pH ≤ 7.7	.7-pH)) ÷ (1	. 10(7.4	-pH)); 6.5	RATIO = (20.25 x 10(7.7-pH)) ÷ (1 .+ 10(7.4- pH)); 6.5 ≤ pH ≤ 7.7	Correct formatting error: the formula was inserted in the row below the ratio. Formula moved up to the correct row, but text unchanged .	No (1)

173-201A- 240(3)(g)	Chronic Criterion = $\left(\begin{array}{c} 0.0577 \\ 1+10^{7.688}\text{-pH} \end{array} + \frac{2.487}{1+10^{\text{pH-7.688}}}\right) x (1.45 \times 10^{0.028})$ where: A = the greater of either T (temperature in degrees Celsius)	absent: 25. Chronic Criterion = $\left(\frac{0.0577}{1+10^{7.688-pH}} + \frac{2.487}{1+10^{pH-7.688}}\right) \times (1.45 \times 10^{0.028(25-A)})$ where: A = the greater of either T (temperature in degrees Celsius) or 7.	Replaced existing image of chronic criterion with clearer text. Formula did not change.	No (1)
	Chronic Criterion = $\frac{0.0577}{\text{the lower of either 2.85, or } 1.45 \times 10^{0.028 \times (25-7)}}$ + $\frac{1}{1.5 \times 10^{0.028 \times (25-7)}}$	the chronic Criterion = $\left(\frac{0.0577}{1+10^{7.688-pH}} + \frac{2.487}{1+10^{pH-7.688}}\right) \times B$ where: B = the lower of either 2.85, or 1.45 x 10 ^{0.028 x (25-7)} . L= temperature in degrees Celsius.	Replaced existing image of chronic criterion with clearer text. Formula did not change.	No (1)
173-201A- 240(3)(i)	≤ (0.944)(e (1.128[ln(hardness)]-3.828)) at hardness = 100.	≤ (0.944)(e ^{(1.128[In(hardness)]-3.828)}) at hardness = 100. Conversion factor (CF) of 0.944 is hardness dependent.	Correct typographic error. (e(1.128[In(hardness)]- 3.828)) should be a superscript .	No (1)
173-201A- 240(3)(j)	 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)]. 	j. ≤ (0.909)(e ^{(0.7852[In(hardness)]-3.490)}) at hardness = 100. Conversion factor (CF) of 0.909 is hardness dependent. CF is calculated for other hardnesses as follows: CF = 1.101672 - [(In hardness)(0.041838)].	(1.128[In(hardness)]-3.828) edited format to be superscript . Changed Conversions factor to Conversion factor.	No (1)
173-201A- 240(3)(m)	$\leq (0.316)e^{(0.8190[\ln(hardness)].+3.688)}$	≤ (0.316)(e ^{(0.8190[ln(hardness)].+3.688)})	Added parentheses around e ^{(0.8190[ln(hardness)] .+ 3.688)} to clarify mathematical equation.	No (1)
173-201A- 240(3)(n)	\leq (0.860) e ^{(0.8190[ln(hardness)].+1.561)}	≤ (0.860)(e ^{(0.8190[ln(hardness)].+1.561)})	Added parentheses around e ^{(0.8190[ln(hardness)].+1.561)} to clarify mathematical equation.	No (1)

173-201A- 240(3)(ee)	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).	The criteria for cyanide is based on the weak acid dissociable method in the 19th Ed. Standard Methods for the Examination of Water and Wastewater, 4500-CN I, and as revised (see footnote dd, above).	Changed the edition number from 17th to 19 th to correct typo. Edition 19 is the version used to establish the cyanide criteria. The 1997 version of the Standards used a method described in edition 17. The 2006 version of the Standards used a different method to calculate cyanide which is only found in the 19th Edition. The reference was not corrected in the 2006 version of the Standards. This change is to address that oversight.	No (1)
173-201A- 240(3)(hh)	The listed fresh water criteria are based on un-ionized or total ammonia concentrations, while those for marine water are based on total ammonia concentrations.	The listed fresh water criteria are based on un-ionized or total ammonia concentrations, while those for marine water are based on <u>un-ionized</u> ammonia concentrations.	Change word "total" to "un- ionized". Table 240 refers to Ammonia (un-ionized NH3). This correction clarifies the rule by maintaining consistency between the Table and the Notes to the table.	No (1)

173-201A-260	(1)(b) When a water body does not meet	(1)(b) When a water body does not meet	Clarified by adding the	No (1)
	its assigned criteria due to human	its assigned criteria due to human	reference to another	()
	structural changes that cannot be	structural changes that cannot be	section of the rule: WAC	
	effectively remedied (as determined	effectively remedied (as determined	173-201A-430	
	consistent with the federal regulations at	consistent with the federal regulations at		
	40 CFR 131.10), then alternative estimates	40 CFR 131.10), then alternative estimates		
	of the attainable water quality conditions,	of the attainable water quality conditions,		
	plus any further allowances for human	plus any further allowances for human		
	effects specified in this chapter for when	effects specified in this chapter for when		
	natural conditions exceed the criteria, may	natural conditions exceed the criteria, may		
	be used to establish an alternative criteria	be used to establish an alternative criteria		
	for the water body (see WAC 173-201A-	for the water body (see WAC <u>173-201A-</u>		
	440).	430 and 173-201A-440).		
	(3) Procedures for applying water quality	(3) Procedures for applying water quality	Clarify rule by changing	No (1)
	criteria. In applying the appropriate water	criteria. In applying the appropriate water	water to water body so	
	quality criteria for a water, the	quality criteria for a water body , the	there is consistency	
	department will use the following	department will use the following	throughout the document.	
	procedure:	procedure:		
173-201A-420	1) The criteria established in WAC 173-	1) The criteria established in WAC 173-	Added references to the	No (1)
	201A-200 through 173-201A-260 may be	201A-200 through 173-201A-260 and WAC	sections in rule that	
	modified for individual facilities, or	173-201A-600 through 173-201A-612 may	describe uses for "default"	
	stretches of waters, through the use of a	be modified for individual facilities, or	freshwater and marine	
	variance.	stretches of waters, through the use of a	waters. Omitting this	
		variance.	reference was an oversight	
			when the 2003 rule revision	
			occurred.	

173-201A-600	(1)(a)(iv) All fresh surface waters that are tributaries to extraordinary quality marine waters (WAC 173-201A-610 through 173- 201A-612).	iv) All fresh surface waters that are tributaries to extraordinary <u>aquatic life</u> marine waters (WAC 173-201A-610 through 173-201A-612).	Clarify that freshwater streams contributing to extraordinary aquatic life marine waters are designated as Core Summer Salmonid Habitat. In the current language the term "extraordinary marine waters" is used. The words "aquatic life" was inadvertently left out. This corrects the oversight.	No (1)
	Blank	(3) Aquatic life uses are designated based on the presence of, or the intent to provide protection for the key uses identified in Table 600. 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.	NEW TEXT: clarifies that all species are protected not solely key species.	No (1)
173-201A- 600(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.	The water quality standards for surface waters for the state of Washington do not apply to segments of waters that are on Indian reservations, except for surface waters overlying fee lands on the Puyallup reservation consistent with the Puyallup Tribe Land Claims Settlement of 1989.	The current language is incorrect. Text added to clarify that there are circumstances where the state has jurisdiction over regulation of water quality on tribal reservation lands, as approved by the United States Environmental Protection Agency (USEPA).	No (3)

173-201A-602	New PDF for entire section	New PDF for entire section	All pages were individually PDFd for insertion into the rule.	No (1)
173-201A-602 WRIA 1 - Nooksack	Chilliwack River and Little Chilliwack River: All waters (including tributaries) above the junction .	Chilliwack River and Little Chilliwack River: All waters (including tributaries) above the <u>confluence</u> .	The word "junction" was removed and replaced by "confluence." The word confluence is used to describe the intersection between two or more water bodies. The word "junction" in used to describe the intersection between a waterbody and human infrastructure, such as a road or bridge.	No (1)
173-201A-602 WRIA 1 - Nooksack	Johnson Creek, unnamed tributary just north of Pangborn Road watershed	Johnson Creek, unnamed tributary just north of Pangborn Road.	Deleted extraneous word "watershed"	No (1)
173-201A-602 WRIA 1 - Nooksack	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 and tributaries [except where otherwise designated Char] from and including Anderson Creek (latitude 48.8675 longitude -122.3210) to <u>confluence</u> with South Fork.	The word "junction" was removed and replaced by "confluence."	No (1)
173-201A-602 WRIA 1 - Nooksack	Nooksack River, North Fork, and all tributaries, upstream to the junction with Maple creek (RM 49.7) .	Nooksack River, North Fork, and all tributaries, upstream to the <u>confluence</u> with Maple creek (RM 49.7).	The word "junction" was removed and replaced by "confluence." Extra space removed between (RM 49.7) and the period.	No (1)
173-201A-602 WRIA 1 - Nooksack	Nooksack River, South Fork, and all tributaries above the junction at Fobes Creek.	Nooksack River, South Fork, and all tributaries above the <u>confluence with</u> Fobes Creek.	The phrase "junction at" was removed and replaced by "confluence with"	No (1)

173-201A-602	Saar Creek from latitude 48.9490	Saar Creek from latitude 48.98177	Corrected	No (1)
WRIA 1 -	longitude -122.2 252 to headwaters	longitude -122.2 <u>3846</u> to headwaters	Latitude/Longitude so	
Nooksack			geographic coordinate	
			coincides with stream.	
173-201A-602	Fisher Creek and tributaries.	Fisher and Carpenter Creeks and	Clarifying that Carpenter	No (2)
WRIA 3 Lower		tributaries.	Creek is a tributary to Fisher	
Skagit-Samish			Creek; the change matches	
			the USEPA disapproval	
			materials.	
173-201A-602	Nookachamps Creek, East Fork, and	Nookachamps Creek, East Fork, and	The word "junction" was	No (1)
WRIA 3 Lower	unnamed creek at latitude 48.4103	unnamed creek at latitude 48.4103	removed and replaced by	
Skagit-Samish	longitude -122.1657: All waters (including	longitude -122.1657: All waters (including	"confluence."	
	tributaries) above the junction .	tributaries) above the <u>confluence</u> .		
173-201A-602	Samish River and tributaries above	Samish River and tributaries above	Corrected Township/Range/	No (1)
WRIA 3 Lower	latitude 48.5472 longitude -122.3378 (Sect	latitude 48.5472 longitude -122.3378 (<u>Sect</u>	Section. The Latitude/	
Skagit-Samish	18 T36 R4E).	<u>05 T35N R04E</u>).	Longitude was coincident	
			with the river but not in the	
			original	
			Township/Range/Section	
173-201A-602	Walker Creek and unnamed creek at	Walker Creek and unnamed creek at	The word "junction" was	No (1)
WRIA 3 Lower	latitude 48.3813 longitude -122.1639: All	latitude 48.3813 longitude -122.1639: All	removed and replaced by	
Skagit-Samish	waters (including tributaries) above the	waters (including tributaries) above the	"confluence."	
	junction .	<u>confluence</u> .		
173-201A-602	Bear Creek and the unnamed outlet creek	Bear Creek and the unnamed outlet creek	Added Latitude/Longitude	No (1, 2)
WRIA 4 Upper	of Blue Lake: All waters (including	of Blue Lake <u>(Latitude 48.62036;</u>	to better clarify location;	
Skagit	tributaries) above the junction .	Longitude -121.74882): All waters	matches the USEPA	
		(including tributaries) above the	disapproval materials. The	
		<u>confluence</u> .	word "junction" was	
			removed and replaced by	
			"confluence."	

173-201A-602	Cascade River and Boulder Creek: All	Cascade River and Boulder Creek: All	The word "junction" was	No (1)
WRIA 4 Upper	waters (including tributaries) above the	waters (including tributaries) above the	removed and replaced by	
Skagit	junction .	<u>confluence</u> .	"confluence."	
173-201A-602	Diobsud Creek and the unnamed tributary	Diobsud Creek and the unnamed tributary	The word "junction" was	No (1)
WRIA 4 Upper	at longitude -121.4414 and latitude	at longitude -121.4414 and latitude	removed and replaced by	
Skagit	48.5850: All waters (including tributaries)	48.5850: All waters (including tributaries)	"confluence."	
	above the junction .	above the <u>confluence</u> .		
173-201A-602	Sauk River and Dutch Creek: All waters	Sauk River and Dutch Creek: All waters	The word "junction" was	No (1)
WRIA 4 Upper	(including tributaries) above the junction.	(including tributaries) above the	removed and replaced by	
Skagit		<u>confluence</u> .	"confluence."	
173-201A-602	Sulfur Creek and all tributaries.	Sulphur Creek and all tributaries.	Corrected misspelling of	No (1)
WRIA 4 Upper			creek name.	
Skagit				
173-201A-602	Thunder Creek and all tributaries.	Thunder Creek (upstream of Lake	The USEPA disapproval	No (2)
WRIA 4 Upper		Shannon at Latitude 48.59867, Longitude	materials showed two	
Skagit		-121.71359) and all tributaries.	Thunder Creeks in WRIA 4;	
			both listed as Char	
			Spawning and Rearing. This	
			one was included in Table	
			602. A geographic	
			reference shows which	
			Thunder Creek the rule	
			references.	

173-201A-602 WRIA 4 Upper Skagit	All new text.	Thunder Creek (upstream of Diablo Lake at Latitude 48.69469, Longitude - 121.09830) and all tributaries.The following uses are designated for this waterbody:• Char Spawning/Rearing• Ex Primary Cont• Domestic Water• Industrial Water• Stock Water• Wildlife Habitat• Harvesting• Boating• Aesthetics	See above for Thunder Creek. This Thunder Creek was not included in Table 602 by mistake. This corrects that error to match the USEPA disapproval materials.	No (2)
173-201A-602 WRIA 5 Stillaguamish	Brooks Creek and the unnamed tributary at latitude 48.2967 longitude -121.9031: All waters (including tributaries) above the junction.	Brooks Creek and the unnamed tributary at latitude 48.2967 longitude -121.9031: All waters (including tributaries) above the <u>confluence</u> .	The word "junction" was removed and replaced by "confluence."	No (1)
173-201A-602 WRIA 5 Stillaguamish	Canyon Creek's unnamed tributaries at latitude 48.1 459 longitude -121.96 48 .	Canyon Creek's unnamed tributaries at latitude 48.1 <u>522</u> longitude -121.96 <u>77</u> .	Corrected Latitude/Longitude to coincide with confluence as specified in USEPA disapproval materials.	No (2)

173-201A-602	Crane Creek and unnamed tributary at	Crane Creek and unnamed tributary at	Corrected	No (1,2)
WRIA 5	latitude 48.3 330 longitude -12 1.1000 : All	latitude 48.3 <u>295</u> longitude -12 2.1005 : All	Latitude/Longitude to	
Stillaguamish	waters (including tributaries) above the	waters (including tributaries) above the	coincide with confluence as	
	iunction.	confluence.	specified in USEPA	
	Janocioni	<u></u> .	disapproval materials. The	
			word "junction" was	
			removed and replaced by	
			"confluence."	
173-201A-602	Crane Creek's unnamed tributaries at	Crane Creek's unnamed tributaries at	Removed extra space	No (1,2)
WRIA 5	latitude 48.3 longitude -	latitude 48.3 <u>323</u> longitude -	before apostrophe in	
Stillaguamish	12 1.1030 : All waters (including tributaries)	12 <u>2.1059</u> : All waters (including tributaries)	"Creek's"; Clarify that Crane	
-	above the junction .	above the <u>confluence</u> .	Creek is included in	
			designation; and corrected	
			Latitude/Longitude to	
			match USEPA disapproval	
			materials. The word	
			"junction" was removed and	
			replaced by "confluence."	
173-201A-602	Cub Creek and the unnamed tributary at	Cub Creek and the unnamed tributary at	The word "junction" was	No (1)
WRIA 5	latitude 48.1655 longitude -121.9376: All	latitude 48.1655 longitude -121.9376: All	removed and replaced by	
Stillaguamish	waters (including tributaries) above the	waters (including tributaries) above the	"confluence."	
	junction .	<u>confluence</u> .		
173-201A-602	Deer Creek (on N.F. Stillaguamish) and the	Deer Creek (on N.F. Stillaguamish) and the	The word "junction" was	No (1)
WRIA 5	unnamed tributary at longitude -121.9565	unnamed tributary at longitude -121.9565	removed and replaced by	
Stillaguamish	and latitude 48.3195: All waters (including	and latitude 48.3195: All waters (including	"confluence."	
	tributaries) above the junction .	tributaries) above the <u>confluence</u> .		
173-201A-602	Dicks Creek and unnamed outlet of Myrtle	Dicks Creek and unnamed outlet of Myrtle	The word "junction" was	No (1)
WRIA 5	Lake at latitude 48.3187 longitude -	Lake at latitude 48.3187 longitude -	removed and replaced by	
Stillaguamish	121.8129: All waters (including tributaries)	121.8129: All waters (including tributaries)	"confluence."	
	above the junction .	above the <u>confluence</u> .		

173-201A-602	Jim Creek and Little Jim Creek: All waters	Jim Creek and Little Jim Creek: All waters	The word "junction" was	No (1)
WRIA 5	(including tributaries) above the junction .	(including tributaries) above the	removed and replaced by	
Stillaguamish		confluence.	"confluence."	
173-201A-602	Jorgenson Slough (Church Creek) from	Jorgenson Slough (Church Creek) from	Corrected	No (1,2)
WRIA 5	latitude 48.2347 longitude -121.3530	latitude 48.23 <u>409</u> longitude -121.3 <u>2346</u>	Latitude/Longitude to clarify	
Stillaguamish	between West Pass and Hat Slough: All	between West Pass and Hat Slough: All	which stream segments had	
	waters (including tributaries) above the	waters (including tributaries) above the	designation and to match	
	junction .	<u>confluence</u> .	USEPA disapproval	
			materials. The word	
			"junction" was removed and	
			replaced by "confluence."	
173-201A-602	Pilchuck Creek and Bear Creek: All waters	Pilchuck Creek and Bear Creek: All waters	The word "junction" was	No (1)
WRIA 5	(including tributaries) above the junction .	(including tributaries) above the	removed and replaced by	
Stillaguamish		<u>confluence</u> .	"confluence."	
173-201A-602	Pilchuck Creek's unnamed tributaries at	Pilchuck Creek's unnamed tributaries at	The word "junction" was	No (1)
WRIA 5	latitude 48.3104 longitude -122.1305: All	latitude 48.3104 longitude -122.1305: All	removed and replaced by	
Stillaguamish	waters (including tributaries) above the	waters (including tributaries) above the	"confluence."	
	junction .	<u>confluence</u> .		
173-201A-602	Unnamed tributary to Portage Creek at	Unnamed tributary to Portage Creek at	The word "junction" was	No (1)
WRIA 5	latitude 48.1837 longitude -122.2314: All	latitude 48.1837 longitude -122.2314: All	removed and replaced by	
Stillaguamish	waters (including tributaries) above the	waters (including tributaries) above the	"confluence."	
	junction .	<u>confluence</u> .		
173-201A-602	Stillaguamish River from mouth to junction	Stillaguamish River from mouth to	The word "junction" was	No (1)
WRIA 5	of north and south forks (river mile 17.8).	confluence of north and south forks (river	removed and replaced by	
Stillaguamish		mile 17.8).	"confluence."	
173-201A-602	Stillaguamish River, North Fork, and	Stillaguamish River, North Fork, and	The word "junction" was	No (1)
WRIA 5	Boulder River: All waters (including	Boulder River: All waters (including	removed and replaced by	
Stillaguamish	tributaries) from the junction- up to Squire	tributaries) from the <u>confluence</u> up to	"confluence."	
	Creek, downstream of the Mt. Baker	Squire Creek, downstream of the Mt.		
	Snoqualmie National Forest.	Baker Snoqualmie National Forest.		

		1		
173-201A-602	Stillaguamish River, North Fork, and	Stillaguamish River, North Fork, and	The word "junction" was	No (1)
WRIA 5	Boulder River: All waters (including	Boulder River: All waters (including	removed and replaced by	
Stillaguamish	tributaries) from the junction up to Squire	tributaries) from the <u>confluence</u> up to	"confluence."	
	Creek that are in or above the Mt. Baker	Squire Creek that are in or above the Mt.		
	Snoqualmie National Forest.	Baker Snoqualmie National Forest.		
173-201A-602	Stillaguamish River, South Fork, and the	Stillaguamish River, South Fork, and the	The word "junction" was	No (1)
WRIA 5	unnamed tributary at latitude 48.0921	unnamed tributary at latitude 48.0921	removed and replaced by	
Stillaguamish	longitude -121.8797 (near Cranberry	longitude -121.8797 (near Cranberry	"confluence."	
	Creek): All waters (including tributaries)	Creek): All waters (including tributaries)		
	above the junction .	above the <u>confluence</u> .		
173-201A-602	Miller River, East Fork, and West Fork	Miller River, East Fork, and West Fork	The word "junction" was	No (1)
WRIA 7	Miller River: All waters (including	Miller River: All waters (including	removed and replaced by	
Snohomish	tributaries) above the junction .	tributaries) above the <u>confluence</u> .	"confluence."	
173-201A-602	North Fork Creek and unnamed creek at	North Fork Creek and unnamed creek at	The word "junction" was	No (1)
WRIA 7	latitude 47.7409 longitude -121.8231	latitude 47.7409 longitude -121.8231	removed and replaced by	
Snohomish	(Sect. 18 T26N R8E): All waters (including	(Sect. 18 T26N R8E): All waters (including	"confluence."	
	tributaries) above the junction .	tributaries) above the <u>confluence</u> .		
173-201A-602	Pilchuck River and Boulder Creek: All	Pilchuck River and Boulder Creek: All	The word "junction" was	No (1)
WRIA 7	waters (including tributaries) above the	waters (including tributaries) above the	removed and replaced by	
Snohomish	junction .	<u>confluence</u> .	"confluence."	
173-201A-602	Skykomish River and May Creek (above	Skykomish River and May Creek (above	The word "junction" was	No (1)
WRIA 7	Gold Bar at river mile 41.2): All waters	Gold Bar at river mile 41.2): All waters	removed and replaced by	
Snohomish	(including tributaries) above junction	(including tributaries) above confluence	"confluence."	
	(Except where designated Char).	(Except where designated Char).		
173-201A-602	Skykomish River, South Fork, and Beckler	Skykomish River, South Fork, and Beckler	The word "junction" was	No (1)
WRIA 7	River: All waters (including tributaries)	River: All waters (including tributaries)	removed and replaced by	
Snohomish	above the junction .	above the <u>confluence</u> .	"confluence."	

173-201A-602	Snohomish River from mouth and east of	Snohomish River from mouth to latitude	Improve location reference;	No (1)
WRIA 7	longitude 122°13'40"W upstream to	47.942 longitude	changed Latitude/longitude	
Snohomish	latitude <mark>47°56'30"N</mark> (southern tip of Ebey	-122.1719 (southern tip of Ebey Island at	to decimal degree – same	
	Island at river mile 8.1). ¹	river mile 8.1). ¹	location but using an easier	
			to identify coordinate	
			system.	
173-201A-602	Snohomish River from latitude 47°56'30"N	Snohomish River from latitude 47.942,	Coordinates edited to be in	No (1)
WRIA 7	(southern tip of Ebey Island at river mile	Iongitude -122.1719 (southern tip of Ebey	the same format (from	
Snohomish	8.1) to below Pilchuck Creek at latitude	Island at river mile 8.1) to below Pilchuck	degrees/minutes/seconds	
	47.9045 longitude -122.0917.	Creek at latitude 47.9045 longitude -	to decimal degrees)	
		122.0917.		
173-201A-602	Snoqualmie River from mouth to junction	Snoqualmie River from mouth to	The word "junction" was	No (1)
WRIA 7	with Harris Creek (latitude 47.7686	confluence with Harris Creek (latitude	removed and replaced by	
Snohomish	longitude -121.9605; Sect.5 T25N R6E)	47.7686 longitude -121.9605; Sect.5 T25N	"confluence."	
		R6E)		
173-201A-602	Snoqualmie River, North Fork, and Sunday	Snoqualmie River, North Fork, and Sunday	The word "junction" was	No (1)
WRIA 7	Creek: All waters (including tributaries)	Creek: All waters (including tributaries)	removed and replaced by	
Snohomish	above the junction .	above the <u>confluence</u> .	"confluence."	
173-201A-602	Snoqualmie River, Middle Fork, and	Snoqualmie River, Middle Fork, and	The word "junction" was	No (1)
WRIA 7	Dingford Creek: All waters (including	Dingford Creek: All waters (including	removed and replaced by	
Snohomish	tributaries) above the junction .	tributaries) above the <u>confluence</u> .	"confluence."	
173-201A-602	Tolt River, North Fork, and unnamed creek	Tolt River, North Fork, and unnamed creek	The word "junction" was	No (1)
WRIA 7	at latitude 47.7183 longitude -121.7775:	at latitude 47.7183 longitude -121.7775:	removed and replaced by	
Snohomish	All waters (including tributaries) above the	All waters (including tributaries) above the	"confluence."	
	junction .	<u>confluence</u> .		

472 204 4 602	Talt Diver Couth Fault and taile tarias from	Talt Diver Couth Fault and tributaries from	Leasting description did not	N= (2)
173-201A-602	Tolt River, South Fork, and tributaries from	Tolt River, South Fork, and tributaries from	Location description did not	No (2)
WRIA 7	mouth to west boundary of Sec. 31 T26N-	mouth to unnamed creek at latitude	match the USEPA	
Snohomish	R9E (river mile 6.9).	<u>47.6925 longitude -121.7392; river mile</u>	disapproval materials;	
		<u>5.4.</u>	corrected river mile and	
			Section Township and	
			Range and added	
			Latitude/Longitude to	
			further clarify end of	
			designation.	
173-201A-602	Tolt River, South Fork, and tributaries from	Deleted	The next record in Table 602	No (1)
WRIA 7	west boundary of Sec. 31 T26N R9E (river		(see entry below) covers	
Snohomish	mile 6.9) to headwaters, except for the		same geographic area and	
	waters specifically listed in this table:		has more stringent criteria;	
	South Fork Tolt River and South Fork Tolt		so it supersedes this	
	River's unnamed tributaries.3		designation.	
173-201A-602	Tolt River, South Fork, and unnamed creek	Tolt River, South Fork, and unnamed creek	This record adjusted to	No (1)
WRIA 7	at latitude 47.6925 longitude -121.7392:	at latitude 47.6925 longitude -121.7392	cover use designations of	
Snohomish	All waters (including tributaries) above the	(river mile 5.4): All waters (including	previous two records.	
	junction . ³	tributaries) above the <u>confluence</u> . ³		
173-201A-602	3. No waste discharge will be permitted	3. No waste discharge will be permitted	Footnote was updated to	No (1)
Notes for	for the South Fork Tolt River and	for the South Fork Tolt River and	reflect change in text to	
WRIA 7	tributaries from west boundary of Sec. 31-	tributaries from latitude 47.6925	associated records.	
	T26-R9E (river mile 6.9) to headwaters.	longitude -121.7392 (river mile 5.4) to		
		headwaters.		
173-201A-602	Holder Creek and the unnamed tributary	Holder Creek and the unnamed tributary	The word "junction" was	No (1)
WRIA 8	at latitude 47.4581 longitude -121.9496:	at latitude 47.4581 longitude -121.9496:	removed and replaced by	
Cedar-	All waters (including tributaries) above the	All waters (including tributaries) above the	"confluence."	
Sammamish	junction.	confluence.		
173-201A-602	4. This waterbody is to be treated as a	4. This waterbody is to be treated as a	Corrected grammatical	No (1)
Notes for	Lake <mark>s</mark> for purposes of applying this	Lake for purposes of applying this chapter.	error and removed the "s"	
WRIA 8:	chapter.		at the end of "lakes"	

173-201A-602	Green River from and including the Black	Green River from and including the Black	The word "junction" was	No (1)
WRIA 9	River (river mile 11.0 and point where	River (river mile 11.0 and point where	removed and replaced by	
Duwamish-	Duwamish River continues as the Green	Duwamish River continues as the Green	"confluence."	
Green	River) to latitude 47.3699 longitude -	River) to latitude 47.3699 longitude -		
	122.246 (Sect. 25 T22N R4E) above	122.246 (Sect. 25 T22N R4E) above		
	junction with unnamed tributary.	confluence with unnamed tributary.		
173-201A-602	Green r iver from above junction with	Green <u>R</u> iver from above <u>confluence</u> with	Changed "Green river" to	No (1)
WRIA 9	unnamed tributary at latitude 47.3699	Mill Creek at latitude 47.3699 longitude -	"Green River." The word	
Duwamish-	longitude -122.2461 (Sect. 25 T22N R4E)	122.2461 (Sect. 25 T22N R4E) (east of the	"junction" was removed and	
Green	(east of the West Valley highway) to west	West Valley highway) to west boundary of	replaced by "confluence."	
	boundary of Flaming Geyser State Park	Flaming Geyser State Park (including all	The unnamed tributary is	
	(including all tributaries)	tributaries)	commonly known as Mill	
			Creek. Edited to reflect	
			common usage.	
173-201A-602	Green River and Sunday Creek: All waters	Green River and Sunday Creek: All waters	The word "junction" was	No (1)
WRIA 9	(including tributaries) above the junction. ¹	(including tributaries) above the	removed and replaced by	
Duwamish-		confluence. ¹	"confluence."	
Green				
173-201A-602	Smay Creek and West Fork Smay Creek: All	Smay Creek and West Fork Smay Creek: All	The word "junction" was	No (1)
WRIA 9	waters (including tributaries) above the	waters (including tributaries) above the	removed and replaced by	
Duwamish-	junction. ¹	confluence. ¹	"confluence."	
Green				
173-201A-602	Carbon River and tributaries above	Carbon River and tributaries above	Corrected	No (2)
WRIA 10	latitude 46.9998 longitude -121. 0 794,	latitude 46.9998 longitude -121. <u>9</u> 794,	Latitude/Longitude to a	
Puyallup-	downstream of the Snoqualmie National	downstream of the Snoqualmie National	location on stream to match	
White	Forest or Mt. Rainier National Park.	Forest or Mt. Rainier National Park.	1997 standards.	

173-201A-602 WRIA 10 Puyallup- White	Clarks Creek upstream of tribal reservation.	Clarks Creek <u>and tributaries</u> .	Removed language "upstream of tribal reservation" to comport with USEPA authorization of state jurisdiction over fee lands on the Puyallup tribal reservation.	No (3)
173-201A-602 WRIA 10 Puyallup- White	Clear Creek and tributaries upstream of tribal reservation.	Clear Creek and tributaries.	Removed language "upstream of tribal reservation" to comport with USEPA authorization of state jurisdiction over fee lands on the Puyallup tribal reservation.	No (3)
173-201A-602 WRIA 10 Puyallup- White	Clearwater River and Milky Creek: All waters (including tributaries) above the junction.	Clearwater River and Milky Creek: All waters (including tributaries) above the <u>confluence</u> .	The word "junction" was removed and replaced by "confluence."	No (1)
173-201A-602 WRIA 10 Puyallup- White	Greenwater River from junction with White River to headwaters (including all tributaries).	Greenwater River from <u>confluence</u> with White River to headwaters (including all tributaries).	The word "junction" was removed and replaced by "confluence."	No (1)
173-201A-602 WRIA 10 Puyallup- White	Puyallup River from river mile 1.0 to junction with White River.	Puyallup River from river mile 1.0 to <u>confluence</u> with White River.	The word "junction" was removed and replaced by "confluence."	No (1)
173-201A-602 WRIA 10 Puyallup- White	Puyallup River and tributaries from junction with White River to Mowich River (Except where designated char).	Puyallup River and tributaries from <u>confluence</u> with White River to Mowich River (Except where designated char).	The word "junction" was removed and replaced by "confluence."	No (1)
White		thoutanes) above the <u>connuence</u> .		
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WRIA 10 Puyallup-	White River: All waters (including tributaries) above the junction.	White River: All waters (including tributaries) above the confluence .	removed and replaced by "confluence."	
173-201A-602	White River from and including West Fork	White River from and including West Fork	The word "junction" was	No (1)
	Aesthetics: not checked	Aesthetics: checked		
	Boating: not checked	Boating: checked		
	Harvesting: not checked	Harvesting: checked		
	Wildlife Habitat: not checked	Wildlife Habitat: checked		
	Stock Water: not checked	Stock Water: checked		
	Agricultural Water: not checked	Agricultural Water: checked	Supply and Misc uses.	
	Industrial Water: not checked	Industrial Water: checked	steams have identical Water	
White	Domestic Water: not checked	Domestic Water: checked	erroneously blank; all	
Puyallup-	R4E).	R4E).	check boxes were	
WRIA 10	47.2438 longitude -122.2422 (Sect. 1 T20N	47.2438 longitude -122.2422 (Sect. 1 T20N	Supply and Misc uses, the	
173-201A-602	White River from mouth to latitude	White River from mouth to latitude	Added checks for Water	Yes
	Park.	National Park.		
White	National Forest or Mt. Rainier National	Snoqualmie National Forest or Mt. Rainier		
Puyallup-	that are downstream of the Snoqualmie	<u>confluence</u> , that are downstream of the	"confluence."	
WRIA 10	(including tributaries) above the junction,	(including tributaries) above the	removed and replaced by	- (-/
173-201A-602	Voight Creek and Bear Creek: All waters	Voight Creek and Bear Creek: All waters	The word "junction" was	No (1)
			reservation.	
			lands on the Puyallup tribal	
······			state jurisdiction over fee	
White			with USEPA authorization of	
Puyallup-			reservation" to comport	
WRIA 10	Swall Creek-upstream of tribal reservation.	Swan Creek.	Removed language "upstream of tribal	No (3)
White 173-201A-602	Swan Creek-upstream of tribal reservation.	Swan Crack	Deve eve d lava eve es	N = (2)
Puyallup-	above the junction .	above the <u>confluence</u> .	"confluence."	
WRIA 10	River: All waters (including tributaries)	River: All waters (including tributaries)	removed and replaced by	
173-201A-602	Puyallup River at and including Mowich	Puyallup River at and including Mowich	The word "junction" was	No (1)

173-201A-602	Wilkeson Creek and Gale Creek: All waters	Wilkeson Creek and Gale Creek: All waters	The word "junction" was	No (1)
WRIA 10	(including tributaries) above the junction,	(including tributaries) above the	removed and replaced by	
Puyallup-	except those waters in or above the	confluence.	"confluence." All waters	
White	Snogualmie National Forest.	<u>connuence.</u>	contributing to Wilkeson	
white			and Gale Creeks are outside	
			the Snoqualmie National	
			Forest. Deleted text "in or	
			above"	
173-201A-602	Wilkeson Creek and Gale Creek: All waters	Deleted (along with all checked uses)	All waters contributing to	No (1)
WRIA 10	(including tributaries) above the junction		Wilkeson and Gale Creeks	
Puyallup-	that are in or above the Snoqualmie		are outside the Snoqualmie	
White	National Forest.		National Forest. This record	
			is not needed.	
173-201A-602	Mashel River and Little Mashel River: All	Mashel River and Little Mashel River: All	The word "junction" was	No (1)
WRIA 11	waters (including tributaries) above the	waters (including tributaries) above the	removed and replaced by	
Nisqually	junction .	<u>confluence</u> .	"confluence."	
173-201A-602	Murray Creek and tributaries		173-201A-600(1) All surface	Yes
WRIA 11			waters of the state not	
Nisqually	Recreation Uses: Primary Cont (not	Recreation Uses: Primary Cont (checked)	named in Table 602 are to	
	checked)		be protected for the	
			designated use of primary	
			contact recreation.	
			The recreational use does	
			not change by designating	
			the primary contact use in	
			table 602 for Murray Creek.	
173-201A-602	Nisqually River and Tahoma Creek: All	Nisqually River and Tahoma Creek: All	The word "junction" was	No (1)
WRIA 11			removed and replaced by	
	waters (including tributaries) above the	waters (including tributaries) above the	"confluence."	
Nisqually	j unction .	confluence.	connuence.	

173-201A-602	Clover Creek from outlet of Lake	Clover Creek from inlet to Lake	Narrative description did	No (1)
WRIA 12	Spanaway to inlet of Lake Steilacoom.	Steilacoom, upstream and including	not represent on ground	
Chambers-		Spanaway Creek to outlet of Spanaway	conditions. Adjusted	
Clover		Lake	language to accurately	
			describe streams and their	
			connectivity. This does not	
			reflect a change of use.	
173-201A-602	McLane Creek and tributaries	McLane Creek and tributaries	Added to WRIA 13, removed	No (1)
WRIA 13	Core Summer Habitat: checked	Core Summer Habitat: checked	from WRIA 14. McLane	
Deschutes	Primary Cont: checked	Primary Cont: checked	Creek is in WRIA 13, and	
and WRIA 14	Domestic Water: checked	Domestic Water: checked	was placed in the wrong	
Kennedy-	Industrial Water: checked	Industrial Water: checked	WRIA when initially added	
Goldsborough	Agricultural Water: checked	Agricultural Water: checked	to Table 602.	
	Stock Water: checked	Stock Water: checked		
	Wildlife Habitat: checked	Wildlife Habitat: checked		
	Harvesting: checked	Harvesting: checked		
	Boating: checked	Boating: checked		
	Aesthetics: checked	Aesthetics: checked		
173-201A-602	Hiawata Creek and tributaries	Hiawata Creek and tributaries	Added checks for Water	Yes
WRIA 14	Domestic Water: not checked	Domestic Water: checked	Supply and Misc uses, the	
Kennedy-	Industrial Water: not checked	Industrial Water: checked	check boxes were	
Goldsborough	Agricultural Water: not checked	Agricultural Water: checked	erroneously blank.	
	Stock Water: not checked	Stock Water: checked		
	Wildlife Habitat: not checked	Wildlife Habitat: checked		
	Harvesting: not checked	Harvesting: checked		
	Boating: not checked	Boating: checked		
	Aesthetics: not checked	Aesthetics: checked		
173-201A-602	Uncle John s Creek and tributaries	Uncle John Creek and tributaries	Spelling correction: Uncle	No (1)
WRIA 14			Johns Creek changed to	
Kennedy-			Uncle John Creek	
Goldsborough				

173-201A-602	Chico Creek and tributaries above junction	Chico Creek and tributaries above	The word "junction" was	No (1)
WRIA 15	with Kitsap Creek (tributaries to Chico Bay	confluence with Kitsap Creek (tributaries	removed and replaced by	
Kitsap	in Dyes Inlet).	to Chico Bay in Dyes Inlet).	"confluence."	
173-201A-602	Unnamed tributary west of Port Gamble	Unnamed tributary west of Port Gamble	Corrected Latitude and	No (2)
WRIA 15	Bay at latitude 47.8 195 longitude -	Bay at latitude 47.8220 longitude -	Longitude coordinates to	
Kitsap	122.58 <mark>48</mark> .	122.58 <u>31</u> .	correctly identify stream as	
			shown on USEPA	
			disapproval materials	
173-201A-602	Rock Creek and unnamed tributary at	Rock Creek and unnamed tributary at	The word "junction" was	No (1)
WRIA 16	latitude 47.3894 longitude -123.3496: All	latitude 47.3894 longitude -123.3496: All	removed and replaced by	
Skokomish-	waters (including tributaries) above the	waters (including tributaries) above the	"confluence."	
Dosewallips	junction .	<u>confluence</u> .		
173-201A-602	Skokomish River, South Fork, and Brown	Skokomish River, South Fork, and Brown	The word "junction" was	No (1)
WRIA 16	Creek: All waters (including tributaries)	Creek: All waters (including tributaries)	removed and replaced by	
Skokomish-	above the junction .	above the <u>confluence</u> .	"confluence."	
Dosewallips				
173-201A-602	Boulder Creek and Deep Creek: All waters	Boulder Creek and Deep Creek: All waters	The word "junction" was	No (1)
WRIA 18	(including tributaries) above the junction .	(including tributaries) above the	removed and replaced by	
Elwha-		<u>confluence</u> .	"confluence."	
Dungeness				
173-201A-602	Dungeness River and Canyon Creek: All	Dungeness River and Canyon Creek: All	The word "junction" was	No (1)
WRIA 18	waters (including tributaries) above the	waters (including tributaries) above the	removed and replaced by	
Elwha-	junction .	<u>confluence</u> .	"confluence."	
Dungeness				
173-201A-602	Elwha River and Cat Creek: All waters	Elwha River and Cat Creek: All waters	The word "junction" was	No (1)
WRIA 18	(including tributaries) above the junction .	(including tributaries) above the	removed and replaced by	
Elwha-		<u>confluence</u> .	"confluence."	
Dungeness				

173-201A-602	Ennis Creek and White Creek (and all	Ennis Creek and White Creek (and all	The word "junction" was	No (1)
WRIA 18	tributaries) from the junction with the	tributaries) from the <u>confluence</u> with the	removed and replaced by	
Elwha-	Strait of Juan De Fuca to the Olympic	Strait of Juan De Fuca to the Olympic	"confluence."	
Dungeness	National Park Boundary.	National Park Boundary.		
173-201A-602	Griff Creek and the unnamed tributary at	Griff Creek and the unnamed tributary at	Removed the extra space	No (1)
WRIA 18	latitude 48.0135 longitude -123.5440	latitude 48.0135 longitude -123.5440	between T29N and R7W.	
Elwha-	(Sect. 11 T29N R7W): All waters (including	(Sect. 11 T29N R7W): All waters (including	The word "junction" was	
Dungeness	tributaries) above the junction .	tributaries) above the <u>confluence</u> .	removed and replaced by "confluence."	
173-201A-602	Hughes Creek and the unnamed tributary	Hughes Creek and the unnamed tributary	Removed the extra space	No (1)
WRIA 18	at latitude 48.0298 longitude -123.6322	at latitude 48.0298 longitude -123.6322	between T29N and R7W.	
Elwha-	(Sect. 6 T29N_R7W): All waters (including	(Sect. 6 T29N R7W): All waters (including	The word "junction" was	
Dungeness	tributaries) above the junction .	tributaries) above the confluence .	removed and replaced by	
			"confluence."	
173-201A-602	Matriotti Creek	Matriotti Creek	The change from	Yes
WRIA 18			Extraordinary Primary	
Elwha-	Ex Primary Cont: checked	Primary Cont: <u>checked</u>	Contact to Primary Contact	
Dungeness			means that fecal coliform	
			organisms could increase	
			from 50 colonies per 100mL,	
			to 100 colonies per 100mL,	
			with not more than 10% of	
			all samples (or any single	
			sample when less than ten	
			sample points exist)	
			obtained for calculating the	
			geometric mean value	
			exceeding 200 colonies per	
			100mL.	

173-201A-602	Wolf Creek and the unnamed tributary at	Wolf Creek and the unnamed tributary at	The word "junction" was	No (1)
WRIA 18	latitude 47.9654 longitude -123.5374	latitude 47.9654 longitude -123.5374	removed and replaced by	110 (1)
Elwha-	(Sect. 35 T29N R7W): All waters (including	(Sect. 35 T29N R7W): All waters (including	"confluence."	
Dungeness	tributaries) above the junction.	tributaries) above the confluence .	connachee.	
173-201A-602	Hoh River and South Fork Hoh River: All	Hoh River and South Fork Hoh River: All	The word "junction" was	No (1)
WRIA 20	waters above the junction.	waters above the confluence .	removed and replaced by	
Soleduc	waters above the junction.	waters above the <u>connuence</u> .	"confluence."	
173-201A-602	Quillayute River.	Quillayute and Bogachiel Rivers.	Clarified that Bogachiel	No (1)
WRIA 20	Quillayute River.	Quillayute <u>and Bogachier</u> River <u>s</u> .	River included in this	NO (1)
Soleduc				
Soleduc			designation. Reference -	
173-201A-602	Clearwater River and the unnamed	Clearwater River and the unnamed	600(1)(a)(iii)	$N_{\rm e}$ (1)
			The word "junction" was	No (1)
WRIA 21	tributary at latitude 47.7270 longitude -	tributary at latitude 47.7270 longitude -	removed and replaced by	
Queets-	124.0361 (Sect.26 T26N R11W): All waters	124.0361 (Sect.26 T26N R11W): All waters	"confluence."	
Quinault	(including tributaries) above the junction .	(including tributaries) above the		
		<u>confluence</u> .		
173-201A-602	Kunamakst Creek and the unnamed	Kunamakst Creek and the unnamed	The word "junction" was	No (1)
WRIA 21	tributary at latitude 47.7285 longitude -	tributary at latitude 47.7285 longitude -	removed and replaced by	
Queets-	124.0771 (Sect.26 T26N R11W): All waters	124.0771 (Sect.26 T26N R11W): All waters	"confluence."	
Quinault	(including tributaries) above the junction.	(including tributaries) above the		
•	, , ,	<u>confluence</u> .		
173-201A-602	Matheny Creek and the unnamed	Matheny Creek and the unnamed	The word "junction" was	No (1)
WRIA 21	tributary at latitude 47.5592 longitude -	tributary at latitude 47.5592 longitude -	removed and replaced by	
Queets-	123.9538: All waters (including tributaries)	123.9538: All waters (including tributaries)	"confluence."	
Quinault	above the junction .	above the <u>confluence</u> .		
173-201A-602	Queets River and tributaries above the	Queets River and tributaries above the	The word "junction" was	No (1)
WRIA 21	junction with Tshletshy Creek.	confluence with Tshletshy Creek.	removed and replaced by	
Queets-			"confluence."	
Quinault				

173-201A-602	Quinault River and tributaries from mouth	Quinault River and tributaries from mouth	The word "junction" was	No (1)
WRIA 21	to the junction with the North Fork Quinalt	to the <u>confluence</u> with the North Fork	removed and replaced by	
Queets-	River.	Quinalt River.	"confluence."	
Quinault				
173-201A-602	Quinault River and North Fork Quinault:	Quinault River and North Fork Quinault:	The word "junction" was	No (1)
WRIA 21	All waters (including tributaries) above the	All waters (including tributaries) above the	removed and replaced by	
Queets-	junction .	<u>confluence</u> .	"confluence."	
Quinault				
173-201A-602	Salmon River, Middle Fork, and the	Salmon River, Middle Fork, and the	The word "junction" was	No (1)
WRIA 21	unnamed tributary at latitude 47.5208	unnamed tributary at latitude 47.5208	removed and replaced by	
Queets-	longitude -123.9899: All waters (including	longitude -123.9899: All waters (including	"confluence."	
Quinault	tributaries) above the junction .	tributaries) above the confluence.		
173-201A-602	Sams River and the unnamed tributary at	Sams River and the unnamed tributary at	The word "junction" was	No (1)
WRIA 21	latitude 47.6059 longitude -123.8941: All	latitude 47.6059 longitude -123.8941: All	removed and replaced by	
Queets-	waters (including tributaries) above the	waters (including tributaries) above the	"confluence."	
Quinault	junction .	<u>confluence</u> .		
173-201A-602	Sollecks River and the unnamed tributary	Solleks River and the unnamed tributary at	Corrected spelling from	No (1)
WRIA 21	at latitude 47.6937 longitude -124.0133:	latitude 47.6937 longitude -124.0133: All	Sollecks to Solleks. The	
Queets-	All waters (including tributaries) above the	waters (including tributaries) above the	word "junction" was	
Quinault	junction .	<u>confluence</u> .	removed and replaced by "confluence."	
173-201A-602	Stequaleho Creek and the unnamed	Stequaleho Creek and the unnamed	The word "junction" was	No (1)
WRIA 21	tributary at latitude 47.6620 longitude -	tributary at latitude 47.6620 longitude -	removed and replaced by	
Queets-	124.0426: All waters (including tributaries)	124.0426: All waters (including tributaries)	"confluence."	
Quinault	above the junction .	above the <u>confluence</u> .		
173-201A-602	Tshletshy Creek and the unnamed	Tshletshy Creek and the unnamed	The word "junction" was	No (1)
WRIA 21	tributary at latitude 47.6585 longitude -	tributary at latitude 47.6585 longitude -	removed and replaced by	
Queets-	123.8668: All waters (including tributaries)	123.8668: All waters (including tributaries)	"confluence."	
Quinault	above the junction .	above the <u>confluence</u> .		

173-201A-602	Andrews Creek and tributaries above	Andrews Creek and tributaries above	The word "junction" was	No (1)
WRIA 22	junction with West Fork.	<u>confluence</u> with West Fork.	removed and replaced by	
Lower			"confluence."	
Chehalis				
173-201A-602	Baker Creek and the unnamed tributary at	Baker Creek and the unnamed tributary at	The word "junction" was	No (1)
WRIA 22	latitude 47.3301 longitude -123.4142: All	latitude 47.3301 longitude -123.4142: All	removed and replaced by	
Lower	waters (including tributaries) above the	waters (including tributaries) above the	"confluence."	
Chehalis	junction .	<u>confluence</u> .		
173-201A-602	Big Creek and Middle Fork Big Creek: All	Big Creek and Middle Fork Big Creek: All	The word "junction" was	No (1)
WRIA 22	waters (including tributaries) above the	waters (including tributaries) above the	removed and replaced by	
Lower	junction .	<u>confluence</u> .	"confluence."	
Chehalis				
173-201A-602	Canyon River and the unnamed tributary	Canyon River and the unnamed tributary	The word "junction" was	No (1)
WRIA 22	at latitude 47.3473 longitude -123.4936:	at latitude 47.3473 longitude -123.4936:	removed and replaced by	
Lower	All waters (including tributaries) above the	All waters (including tributaries) above the	"confluence."	
Chehalis	junction .	<u>confluence</u> .		
173-201A-602	Chehalis River from upper boundary of	Chehalis River from upper boundary of	Removed second period at	No (1)
WRIA 22	Grays Harbor at Cosmopolis (river mile 3.1,	Grays Harbor at Cosmopolis (river mile 3.1,	end of narrative description.	
Lower	longitude 123°45'45"W) to latitude	longitude 123°45'45"W) to latitude		
Chehalis	46.6004 and longitude -123.1472 (Section	46.6004 and longitude -123.1472 (Section		
	23 T13N R43W on main stem and to	23 T13N R43W on main stem and to		
	latitude 46.6013 and longitude -123.1253	latitude 46.6013 and longitude -123.1253		
	on South Fork. .	on South Fork.		
173-201A-602	Chester Creek and the unnamed tributary	Chester Creek and the unnamed tributary	The word "junction" was	No (1)
WRIA 22	at latitude 47.4196 longitude -123.7841:	at latitude 47.4196 longitude -123.7841:	removed and replaced by	
Lower	All waters (including tributaries) above the	All waters (including tributaries) above the	"confluence."	
Chehalis	junction .	<u>confluence</u> .		
173-201A-602	Goforth Creek and the unnamed tributary	Goforth Creek and the unnamed tributary	The word "junction" was	No (1)
WRIA 22	at latitude 47.3560 longitude -123.7323:	at latitude 47.3560 longitude -123.7323:	removed and replaced by	
Lower	All waters (including tributaries) above the	All waters (including tributaries) above the	"confluence."	
Chehalis	junction .	<u>confluence</u> .		

173-201A-602	Humptulips River, East Fork, and the	Humptulips River, East Fork, and the	The word "junction" was	No (1)
WRIA 22	unnamed tributary at latitude 47.3821	unnamed tributary at latitude 47.3821	removed and replaced by	
Lower	longitude -123.7163: All waters (including	longitude -123.7163: All waters (including	"confluence."	
Chehalis	tributaries) above the junction .	tributaries) above the <u>confluence</u> .		
173-201A-602	Humptulips River, West Fork, and Petes	Humptulips River, West Fork, and Petes	The word "junction" was	No (1)
WRIA 22	Creek: All waters (including tributaries)	Creek: All waters (including tributaries)	removed and replaced by	
Lower	above the junction .	above the <u>confluence</u> .	"confluence."	
Chehalis				
173-201A-602	Johns River and North Fork Johns River: All	Johns River and North Fork Johns River: All	The word "junction" was	No (1)
WRIA 22	waters above the junction .	waters above the <u>confluence</u> .	removed and replaced by	
Lower			"confluence."	
Chehalis				
173-201A-602	Satsop River, West Fork, and Robertson	Satsop River, West Fork, and Robertson	The word "junction" was	No (1)
WRIA 22	Creek: All waters (including tributaries)	Creek: All waters (including tributaries)	removed and replaced by	
Lower	above the junction .	above the <u>confluence</u> .	"confluence."	
Chehalis				
173-201A-602	Satsop River, Middle Fork, and the	Satsop River, Middle Fork, and the	The word "junction" was	No (1)
WRIA 22	unnamed tributary at latitude 47.3340	unnamed tributary at latitude 47.3340	removed and replaced by	
Lower	longitude -123.4451: All waters (including	longitude -123.4451: All waters (including	"confluence."	
Chehalis	tributaries) above the junction .	tributaries) above the <u>confluence</u> .		
173-201A-602	Wildcat Creek and tributaries above	Wildcat Creek and tributaries above	The word "junction" was	No (1)
WRIA 22	junction with Cloquallum Creek.	confluence with Cloquallum Creek.	removed and replaced by	
Lower			"confluence."	
Chehalis				
173-201A-602	Wishkah River from river and tributaries	Wishkah River and tributaries from	Removed extraneous words	No (1)
WRIA 22	from latitude 47.1089 longitude -123.7908	latitude 47.1089 longitude -123.7908 to	"from river." The word	
Lower	to junction with West Fork.	confluence with West Fork.	"junction" was removed and	
Chehalis			replaced by "confluence."	

173-201A-602	Wynoochee River and tributaries from	Wynoochee River and tributaries from	Removed extraneous words	No (1)
WRIA 22	, latitude 46.9709 longitude -123.6252 to	latitude 46.9709 longitude -123.6252	"to" and "mouth."	. ,
Lower	(near railroad crossing) mouth to Olympic	(near railroad crossing) to Olympic		
Chehalis	National Forest boundary (river mile 45.9).	National Forest boundary (river mile 45.9).		
173-201A-602	Chehalis River (including tributaries) above	Chehalis River (including tributaries) above	Insert parenthesis after	No (1)
WRIA 23	latitude 46.6004 longitude -123.1473	latitude 46.6004 longitude -123.1473	"Section 23 T13N R4W" and	
Upper	(Section 23 T13N R4W, except -where	(Section 23 T13N R4W <u>)</u> , except where	delete extra space between	
Chehalis	specifically designated Char.	specifically designated Char.	"except" and "where"	
173-201A-602	Chehalis River mainstem from upper	Chehalis River mainstem from upper	Insert parenthesis after	No (1)
WRIA 23	boundary of Grays Harbor at Cosmopolis	boundary of Grays Harbor at Cosmopolis	"Section 23 T13N R4W"	
Upper	(river mile 3.1, longitude 123°45'45"W) to	(river mile 3.1, longitude 123°45'45"W) to		
Chehalis	latitude 46.6004 longitude -123.1473	latitude 46.6004 longitude -123.1473		
	(Section 23 T13N R4W on main stem and	(Section 23 T13N R4W) on main stem and		
	to latitude 46.6014 longitude -123.1253 on	to latitude 46.6014 longitude -123.1253 on		
	South Fork. ¹	South Fork. ¹		
173-201A-602	Chehalis River, South Fork, and the	Chehalis River, South Fork, and the	Corrected latitude value;	No (1)
WRIA 23	unnamed tributary at latitude 4 9 .179	unnamed tributary at latitude 4 <u>6</u> .179	typo in coordinate. The	
Upper	longitude -123.4127 (Sect. 10 T10N R4W):	longitude -123.4127 (Sect. 10 T10N R4W):	word "junction" was	
Chehalis	All waters (including tributaries) above the	All waters (including tributaries) above the	removed and replaced by	
	junction .	<u>confluence</u> .	"confluence."	
173-201A-602	Chehalis River, West Fork, and East Fork	Chehalis River, West Fork, and East Fork	The word "junction" was	No (1)
WRIA 23	Chehalis River: All waters (including	Chehalis River: All waters (including	removed and replaced by	
Upper	tributaries) above the junction .	tributaries) above the <u>confluence</u> .	"confluence."	
Chehalis				
173-201A-602	Eight Creek and the unnamed tributary at	Eight Creek and the unnamed tributary at	The word "junction" was	No (1)
WRIA 23	latitude 46.6211 longitude -123.4127: All	latitude 46.6211 longitude -123.4127: All	removed and replaced by	
Upper	waters (including tributaries) above the	waters (including tributaries) above the	"confluence."	
Chehalis	junction .	<u>confluence</u> .		

173-201A-602	Fall Creek and the unnamed tributary at	Fall Creek and the unnamed tributary at	The word "junction" was	No (1)
WRIA 23	Sect. 22 T15N R1E: All waters (including	Sect. 22 T15N R1E: All waters (including	removed and replaced by	
Upper	tributaries) above their junction .	tributaries) above their confluence .	"confluence."	
Chehalis				
173-201A-602	Hanaford Creek and all tributaries from	Hanaford Creek and all tributaries from	No change to descriptive	Yes
WRIA 23	east boundary of Sec. 25-T15N-R2W (river	east boundary of Sec. 25-T15N-R2W (river	text.	
Upper	mile 4.1) to the unnamed tributary at	mile 4.1) to the unnamed tributary at	The change in aquatic life	
Chehalis	latitude 46.7295 longitude -122.6812	latitude 46.7295 longitude -122.6812	use changes the following	
	except where designated Char.	except where designated Char.	criteria:	
			Core Summer Habitat,	
		Aquatic Life Use Spawning/Rearing:	allowing:	
	Aquatic Life Use Core Summer Habitat :	Checked	• Temperature - 16°C	
	Checked		(highest 7 day	
			average maximum)	
			 Dissolved oxygen - 	
			9.5 mg/L (lowest 1	
			day minimum)	
			to	
			Spawning/Rearing, allowing:	
			Temperature -	
			17.5°C (highest 7 day	
			average maximum)	
			 Dissolved oxygen - 	
			8.0 mg/L (lowest 1	
			day minimum)	
173-201A-602	Hanaford Creek and the unnamed	Hanaford Creek and the unnamed	The word "junction" was	No (1)
WRIA 23	tributary at latitude 46.7295 longitude -	tributary at latitude 46.7295 longitude -	removed and replaced by	
Upper	122.6812 (Sect. 4 T14N R1E): All waters	122.6812 (Sect. 4 T14N R1E): All waters	"confluence."	
Chehalis	(including tributaries) above the junction .	(including tributaries) above the		
		<u>confluence</u> .		

173-201A-602	Kearney Creek and the unnamed tributary	Kearney Creek and the unnamed tributary	The word "junction" was	No (1)
WRIA 23	at latitude 46.6256 longitude -122.5683:	at latitude 46.6256 longitude -122.5683:	removed and replaced by	
Upper	All waters (including tributaries) above the	All waters (including tributaries) above the	"confluence."	
Chehalis	junction .	<u>confluence</u> .		
173-201A-602	Laramie Creek and the unnamed tributary	Laramie Creek and the unnamed tributary	The word "junction" was	No (1)
WRIA 23	at latitude 46.7901 longitude -122.5901:	at latitude 46.7901 longitude -122.5901:	removed and replaced by	
Upper	All waters (including tributaries) above the	All waters (including tributaries) above the	"confluence."	
Chehalis	junction .	<u>confluence</u> .		
173-201A-602	Newaukum River, North Fork, and the	Newaukum River, North Fork, and the	The word "junction" was	No (1)
WRIA 23	unnamed tributary at latitude 46.6793	unnamed tributary at latitude 46.6793	removed and replaced by	
Upper	longitude -122.6677: All waters (including	longitude -122.6677: All waters (including	"confluence."	
Chehalis	tributaries) above the junction .	tributaries) above the confluence.		
173-201A-602	Newaukum River, South Fork, and Frase	Newaukum River, South Fork, and Frase	The word "junction" was	No (1)
WRIA 23	Creek: All waters (including tributaries)	Creek: All waters (including tributaries)	removed and replaced by	
Upper	above the junction .	above the <u>confluence</u> .	"confluence."	
Chehalis				
173-201A-602	Pheeny Creek and the unnamed tributary	Pheeny Creek and the unnamed tributary	The word "junction" was	No (1)
WRIA 23	at latitude 46.7836 longitude -122.6276	at latitude 46.7836 longitude -122.6276	removed and replaced by	
Upper	(Sect. 13 T15N R1E): All waters (including	(Sect. 13 T15N R1E): All waters (including	"confluence."	
Chehalis	tributaries) above the junction .	tributaries) above the confluence.		
173-201A-602	Porter Creek and Jamaica Day Creek: All	Porter Creek and Jamaica Day Creek: All	The word "junction" was	No (1)
WRIA 23	waters above the junction .	waters above the <u>confluence</u> .	removed and replaced by	
Upper			"confluence."	
Chehalis				
173-201A-602	Rock Creek (upstream of Pe Ell) and the	Rock Creek (upstream of Pe Ell) and the	The word "junction" was	No (1)
WRIA 23	unnamed tributary at latitude 46.5279	unnamed tributary at latitude 46.5279	removed and replaced by	
Upper	longitude -123.3782 (Sect. 11 T12N R6W):	longitude -123.3782 (Sect. 11 T12N R6W):	"confluence."	
Chehalis	All waters (including tributaries) above the	All waters (including tributaries) above the		
	junction .	<u>confluence</u> .		

173-201A-602	Scatter Creek and tributaries from	Scatter Creek and tributaries from latitude	Removed extra space in	No (1)
WRIA 23	latitude 46.8025 longitude -123.0863	46.8025 longitude -123.0863 (near mouth)	"from latitude."	
Upper	(near mouth) to headwaters.	to headwaters.		
Chehalis				
173-201A-602	Seven Creek and the unnamed tributary at	Seven Creek and the unnamed tributary at	The word "junction" was	No (1)
WRIA 23	latitude 46.6192 longitude -123.3723: All	latitude 46.6192 longitude -123.3723: All	removed and replaced by	
Upper	waters (including tributaries) above the	waters (including tributaries) above the	"confluence."	
Chehalis	junction .	<u>confluence</u> .		
173-201A-602	Skookumchuck River and tributaries from	Skookumchuck River and tributaries from	The word "junction" was	No (1)
WRIA 23	junction with Hanaford Creek to	confluence with Hanaford Creek to	removed and replaced by	
Upper	headwaters (except where designated	headwaters (except where designated	"confluence."	
Chehalis	char).	char).		
173-201A-602	Skookumchuck River and Hospital Creek:	Skookumchuck River and Hospital Creek:	The word "junction" was	No (1)
WRIA 23	All waters (including tributaries) above the	All waters (including tributaries) above the	removed and replaced by	
Upper	junction .	<u>confluence</u> .	"confluence."	
Chehalis				
173-201A-602	Stillman Creek and Little Mill Creek (Sect.	Stillman Creek and Little Mill Creek (Sect.	The word "junction" was	No (1)
WRIA 23	23 T12N R4W): All waters (including	23 T12N R4W): All waters (including	removed and replaced by	
Upper	tributaries) above the junction .	tributaries) above the confluence.	"confluence."	
Chehalis				
173-201A-602	1. Chehalis River from Scammon Creek	1. Chehalis River from Scammon Creek	Inserted a space after the	No (1)
Notes for	(RM 65.8) to Newaukum River (RM	(RM 65.8) to Newaukum River (RM 75.2);	"Newaukum River (RM	
WRIA 23:	75.2); dissolved oxygen shall exceed 5.0	dissolved oxygen shall exceed 5.0 mg/L	75.2);" semicolon.	
	mg/L from June 1 to September 15. For	from June 1 to September 15. For the		
	the remainder of the year, the dissolved	remainder of the year, the dissolved		
	oxygen shall meet standard criteria.	oxygen shall meet standard criteria.		
173-201A-602	Bear River and tributaries above latitude	Bear River and tributaries above latitude	Corrected latitude value;	No (1)
WRIA 24	46.3284 longitude -123. 3284 (Section 28	46.3284 longitude -123. <u>9172</u> (Section 28	typo in coordinate.	
Willapa	T10N R10W) to headwaters.	T10N R10W) to headwaters.		

173-201A-602	North River and Fall River: All waters	North River and Fall River: All waters	The word "junction" was	No (1)
WRIA 24	above the junction (Section 2 5 T15N	above the <u>confluence</u> (Section 2 <u>4</u> T15N	removed and replaced by	
Willapa	R7W).	R7W).	"confluence." Corrected	
			Section number to match	
			specified river confluence.	
173-201A-602	Willapa River and Oxbow Creek: All waters	Willapa River and Oxbow Creek: All waters	The word "junction" was	No (1)
WRIA 24	upstream of the junction (Section 2 5 T13N	upstream of the <u>confluence</u> (Section 2 <u>6</u>	removed and replaced by	
Willapa	R8W).	T13N R8W).	"confluence." Corrected	
			Section number to match	
			specified river confluence.	
173-201A-602	Abernathy Creek and Cameron Creek: All	Abernathy Creek and Cameron Creek: All	The word "junction" was	No (1)
WRIA 25	waters above the junction .	waters above the <u>confluence</u> .	removed and replaced by	
Grays-			"confluence."	
Elochoman				
173-201A-602	Elochoman River and tributaries from	Elochoman River and tributaries from	Corrected	No (1)
WRIA 25	mouth to latitude 46.22 89 longitude -	mouth to latitude 46.22 <u>92</u> longitude -	Latitude/longitude and	
Grays-	123.3 597 (Section 30 T9N R6W).	123.3 <u>606</u> (Section <u>25</u> T9N R6W).	Section number to match	
Elochoman			coordinates.	
173-201A-602	Elochoman River and tributaries from	Elochoman River and tributaries from	Corrected	No (1)
WRIA 25	latitude 46.22 <mark>89</mark> longitude -123.3 597	latitude 46.22 <u>92</u> longitude -123.3 <u>606</u>	Latitude/longitude and	
Grays-	(Section 30 T9N R6W) to headwaters.	(Section 25 T9N R6W) to headwaters.	Section number to match	
Elochoman			coordinates.	
173-201A-602	Skomokawa Creek and Wilson Creek: All	Skomokawa Creek and Wilson Creek: All	The word "junction" was	No (1)
WRIA 25	waters above the junction .	waters above the <u>confluence</u> .	removed and replaced by	
Grays-			"confluence."	
Elochoman				
173-201A-602	Coweeman River and tributaries from	Coweeman River and tributaries from	Added parenthesis before	No (1)
WRIA 26	latitude 46.1405 longitude -122.8532	latitude 46.1405 longitude -122.8532	Section 31 T8N R1W).	
Cowlitz	Section 31 T8N R1W)to Mulholland Creek	(Section 31 T8N R1W) to Mulholland Creek	Inserted space after	
	(river mile 18.4).	(river mile 18.4).	(Section 31 T8N R1W).	

173-201A-602	Cowlitz River from latitude 46.2622	Cowlitz River from latitude 46.2622	Coordinates, Section	No (1)
WRIA 26	longitude -122.9001 (Section 14 T9N R2W)	longitude -122.9001 (Section 14 T9N R2W)	number and river mile	
Cowlitz	base of Riffe Lake Dam (river mile 52.0).	base of <u>Mayfield</u> Dam (river mile 52.0).	matches Mayfield Dam not	
			Riffe Dam. Changed to	
			Mayfield Dam; at this	
			junction. The lake/reservoir	
			would designate the use of	
			the main stem and	
			tributaries as Extraordinary	
			by default so this is not a	
			change of use.	
173-201A-602	Cowlitz River, and tributaries from base of	Cowlitz River, and tributaries from base of	See details above.	No (1)
WRIA 26	Riffe Lake Dam (river mile 52.0) to	Mayfield Dam (river mile 52.0) to		
Cowlitz	headwaters.	headwaters.		
173-201A-602	Clearwater Creek and unnamed creek: All	Clearwater Creek and unnamed creek: All	The word "junction" was	No (1)
WRIA 27	waters (including tributaries) above the	waters (including tributaries) above the	removed and replaced by	
Lewis	junction (Sect. 15 T8N R6E – below	<u>confluence</u> (Sect. 15 T8N R6E – below	"confluence."	
	junction of Smith and Muddy Creeks).	confluence of Smith and Muddy Creeks).		
173-201A-602	Kalama River east of Interstate 5 to	Kalama River east of Interstate 5 to	Removed extra space	No (1)
WRIA 27	Kalama River Falls (river mile 10.4)	Kalama River Falls (river mile 10.4)	between "to" and "Kalama"	
Lewis	(including tributaries).	(including tributaries).		
173-201A-602	Lewis River and Pass Creek: All waters	Lewis River and Pass Creek (alternately	Some maps are labeled Pass	No (1)
WRIA 27	(including tributaries) above the junction .	known as Swamp Creek): All waters	Creek and others are	
Lewis		(including tributaries) above the	labeled Swampy Creek; this	
		<u>confluence</u> .	clarifies the location. The	
			word "junction" was	
			removed and replaced by	
			"confluence."	

173-201A-602	Duncan Crack and unnamed tributary just	Duncan Creak and unnamed tributany just	Domoved extre period at	$N_{0}(1)$
	Duncan Creek and unnamed tributary just	Duncan Creek and unnamed tributary just	Removed extra period at	No (1)
WRIA 28	east of Duncan Creek: All waters north of	east of Duncan Creek: All waters north of	the end of the sentence.	
Salmon-	highway 14. .	highway 14.		
Washougal				
173-201A-602	Green Leaf Creek and Hamilton Creek: All	Green Leaf Creek and Hamilton Creek: All	The word "junction" was	No (1)
WRIA 28	waters above the junction .	waters above the confluence.	removed and replaced by	
Salmon-			"confluence."	
Washougal				
173-201A-602	Salmon Creek from latitude 45.7176	Salmon Creek from latitude 45.7176	Removed extra space	No (1)
WRIA 28	longitude -122.6958 (below junction with	longitude -122.6958 (below <u>confluence</u>	before "longitude." The	
Salmon-	Cougar Creek) and tributaries.	with Cougar Creek) and tributaries.	word "junction" was	
Washougal			removed and replaced by	
			"confluence."	
173-201A-602	Bear Creek (tributary to White Salmon	Bear Creek (tributary to White Salmon	Included Latitude/Longitude	No (2)
WRIA 29	River) below National Forest Boundary	River at Latitude 45.98290 Longitude -	to clarify which creek; and	
Wind-White		121.52946) below National Forest	to match USEPA disapproval	
Salmon		Boundary	materials	
173-201A-602	Killowatt Canyon Creek below National	Killowatt Canyon Creek below National	Added text describing	No (2)
WRIA 29	Forest Boundary	Forest Boundary <u>and unnamed creek at</u>	"unnamed creek" to help	
Wind-White		latitude 45.963 longitude -121.5154	located area and to match	
Salmon			the USEPA disapproval	
			materials.	
173-201A-602	Rattlesnake Creek and the unnamed	Rattlesnake Creek and the unnamed	The word "junction" was	No (1)
WRIA 29	tributary at latitude 45.8512 longitude -	tributary at latitude 45.8512 longitude -	removed and replaced by	
Wind-White	121.4081: All waters (including tributaries)	121.4081: All waters (including tributaries)	"confluence."	
Salmon	above the junction.	above the <u>confluence</u> .		

173-201A-602	Rock Creek and tributaries downstream of	Rock Creek and tributaries downstream of	Added Latitude and	No (1)
WRIA 29	Gifford Pinchot National Forest	Gifford Pinchot National Forest boundaries	Longitude to more easily	
Wind-White	boundaries. .	from Latitude 45.68557 Longitude	identify stream, not clear	
Salmon		<u>-121.88523</u> .	from narrative description;	
			removed second period at	
			end of text.	
173-201A-602	Spring Creek below National Forest	Spring Creek below National Forest	Added Latitude/Longitude	No (1)
WRIA 29	Boundary.	Boundary <u>(Latitude 45.99170; Longitude -</u>	to more easily identify	
Wind-White		<u>121.57855)</u> .	stream	
Salmon				
173-201A-602	White Salmon River drainage's unnamed	White Salmon River drainage's unnamed	These streams originate in	No (1)
WRIA 29	tributaries that terminate in Section 13	tributaries that originate in Section 13 T6N	specified SECTION	
Wind-White	T6NR10E (latitude 46.00 55 longitude	R10E (latitude 46.00 <u>42</u> longitude	TOWNSHIP AND RANGE	
Salmon	121.4991); all portions occurring	121. <u>5001</u>); all portions occurring	(not terminate); minor	
	downstream of the Gifford Pinchot	downstream of the Gifford Pinchot	correction to	
	National Forest boundary.	National Forest boundary.	Latitude/Longitude. Added	
			a space between "Section	
			13 T6N" and "R10E."	
173-201A-602	White Salmon River drainage's unnamed	White Salmon River drainage's unnamed	These streams originate in	No (1)
WRIA 29	tributaries that terminate in Section 13	tributaries that originate in Section 13 T6N	specified SECTION	
Wind-White	T6NR10E (latitude 46.00 <mark>55</mark> longitude	R10E (latitude 46.00 <u>42</u> longitude	TOWNSHIP AND RANGE	
Salmon	121.4991); all portions occurring upstream	121. <u>5001</u>); all portions occurring upstream	(not terminate); minor	
	of the Gifford Pinchot National Forest	of the Gifford Pinchot National Forest	correction to	
	boundary.	boundary.	Latitude/Longitude. Added	
			a space between "Section	
			13 T6N" and "R10E."	
173-201A-602	White Salmon River and Cascade Creek: All	White Salmon River and Cascade Creek: All	The word "junction" was	No (1)
WRIA 29	waters (including tributaries) above the	waters (including tributaries) above the	removed and replaced by	
Wind-White	junction .	<u>confluence</u> .	"confluence."	
Salmon				

173-201A-602	Clearwater Creek and Trappers Creek: All	Clearwater Creek and Trappers Creek: All	The word "junction" was	No (1)
WRIA 30	waters (including tributaries) above the	waters (including tributaries) above the	removed and replaced by	
Klickitat	junction .	<u>confluence</u> .	"confluence."	
173-201A-602	Cougar Creek and Big Muddy Creek: All	Cougar Creek and Big Muddy Creek: All	The word "junction" was	No (1)
WRIA 30	waters (including tributaries) above the	waters (including tributaries) above the	removed and replaced by	
Klickitat	junction .	<u>confluence</u> .	"confluence."	
173-201A-602	Diamond Creek and Caitin Creek: All	Diamond Fork and Cuitin Creek: All waters	Corrected Diamond Fork's	No (1)
WRIA 30	waters (including tributaries) above the	(including tributaries) above the	name and spelling of Cuitin	
Klickitat	junction .	<u>confluence</u> .	Creek. The word "junction"	
			was removed and replaced	
			by "confluence."	
173-201A-602	Frasier Creek and Outlet Creek: All waters	Frasier Creek and Outlet Creek: All waters	The word "junction" was	No (1)
WRIA 30	(including tributaries) above the junction .	(including tributaries) above the	removed and replaced by	
Klickitat		<u>confluence</u> .	"confluence."	
173-201A-602	Klickitat River and all tributaries above the	Klickitat River and all tributaries above the	The word "junction" was	No (1)
WRIA 30	junction with Diamond Fork.	confluence with Diamond Fork.	removed and replaced by	
Klickitat			"confluence."	
173-201A-602	Little Klickitat River and all tributaries	Little Klickitat River and all tributaries	The word "junction" was	No (1)
WRIA 30	above the junction with Cozy Nook Creek.	above the <u>confluence</u> with Cozy Nook	removed and replaced by	
Klickitat		Creek.	"confluence."	
173-201A-602	Squaw Creek and unnamed tributary at	Squaw Creek and unnamed tributary at	Removed extraneously	No (1)
WRIA 31	and latitude 45.8758 longitude -120.4324	latitude 45.8758 longitude -120.4324	word "and". The word	
Rock-Glade	(Section 33 T5N R19E): all waters above	(Section 33 T5N R19E): all waters above	"junction" was removed and	
	junction .	<u>confluence</u> .	replaced by "confluence."	
173-201A-602	Rock Creek and Quartz Creek: all waters	Rock Creek and Quartz Creek: all waters	The word "junction" was	No (1)
WRIA 31	above junction .	above <u>confluence</u> .	removed and replaced by	
Rock-Glade			"confluence."	
173-201A-602	Dry Creek and tributaries above junction	Dry Creek and tributaries above	The word "junction" was	No (1)
WRIA 32	with unnamed creek at latitude 46.1197	confluence with unnamed creek at	removed and replaced by	
Walla Walla	longitude -118.1378 (Seaman Rd).	latitude 46.1197 longitude -118.1378	"confluence."	
		(Seaman Rd).		

173-201A-602	Mill Creek from mouth to 13th Street	Mill Creek from mouth to 13th Street	Same narrative – change in	Yes
WRIA 32	Bridge in Walla Walla (river mile 6.4). ¹	Bridge in Walla Walla (river mile 6.4).1	check boxes only. Incorrect	
Walla Walla			aquatic life use checked in	
	Spawning/Rearing: checked	Rearing/Migration Only: checked	the 2006 rule making	
			language; use changed to	
			match USEPA disapproval	
			materials and 1997 and	
			2003 WQ Standards.	
173-201A-602	Mill Creek from 13th Street Bridge in Walla	Mill Creek from 13th Street Bridge in Walla	Mill Creek does not have a	No (1)
WRIA 32	Walla (river mile 6.4) to latitude 46.0862	Walla (river mile 6.4) to <u>diversion</u>	north and South channel;	
Walla Walla	longitude 118.2395 in north channel and	structure at confluence of Mill Creek and	the description is invalid.	
	latitude 46.0800 longitude -118.2541 in	unnamed creek (river mile 11.4); latitude	Identified on the ground	
	south channel	46.0800 longitude	location and Lat/Long to	
		-118.2541	represent same location to	
			match 1997 standards and	
			USEPA disapproval	
			materials.	
173-201A-602	Mill Creek from latitude 46.0862 longitude	Mill Creek from river mile 11.4; latitude	Mill Creek does not have a	No (1)
WRIA 32	-118.2 395 in north channel and latitude	46.08 <u>0</u> longitude -118.2 <u>541</u> to headwaters	north and South channel;	
Walla Walla	46.0800 longitude 118.2541 in south	(including tributaries) except where	the description is invalid.	
	channel to headwaters (including	otherwise designated Char	Identified on the ground	
	tributaries) except where otherwise		location and Lat/Long to	
	designated Char		represent same location to	
			match 1997 standards and	
			USEPA disapproval	
			materials.	

173-201A-602 WRIA 32 Walla Walla	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 Railroad Canyon: All waters (including tributaries) above the <u>confluence</u> to <u>the Oregon state line</u> (river mile 21.6).	The word "junction" was removed and replaced by "confluence." River mile 21.6 is the Oregon border. The city of Walla Walla	No (1)
			Waterworks Dam moved to river mile 25.2 (which is in Oregon).	
173-201A-602 WRIA 32 Walla Walla	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	Mill Creek and tributaries <u>within</u> <u>Washington that are above the</u> city of Walla Walla Waterworks Dam (river mile <u>25.2</u>) to headwaters. ²	River mile 21.6 is Oregon border. The city of Walla Walla Waterworks Dam moved to river mile 25.2 (which is in Oregon). Mill Creek goes into Oregon and curves back into Washington. This record covers the section of Mill Creek upstream of the Oregon border.	No (1)
173-201A-602 WRIA 32 Walla Walla	Touchet River above latitude 46.3172 longitude -118.0000 (Sect. 25 T10N R38E) (including tributaries) not otherwise designated Char.	Touchet River above latitude 46.3172 longitude -118.0000 (Sect. <u>30</u> T10N R38E) (including tributaries) not otherwise designated Char.	Corrected SECTION TOWNSHIP AND RANGE (did not match river location and TRS).	No (1)
173-201A-602 WRIA 32 Walla Walla	Touchet River, North Fork, and Wolf Creek: All waters (including tributaries) above the junction .	Touchet River, North Fork, and Wolf Creek: All waters (including tributaries) above the <u>confluence</u> .	The word "junction" was removed and replaced by "confluence."	No (1)

173-201A-602	Touchet River, South Fork, and the	Touchet River, South Fork, and the	The word "junction" was	No (1)
WRIA 32	unnamed tributary at latitude 46.2307	unnamed tributary at latitude 46.2307	removed and replaced by	
Walla Walla	longitude -117.9397: All waters (including	longitude -117.9397: All waters (including	"confluence."	
	tributaries) above the junction , except	tributaries) above the <u>confluence</u> , except		
	those waters in or above the Umatilla	those waters in or above the Umatilla		
	National Forest.	National Forest.		
173-201A-602	Touchet River, South Fork, and the	Touchet River, South Fork, and the	The word "junction" was	No (1)
WRIA 32	unnamed tributary at latitude 46.2307	unnamed tributary at latitude 46.2307	removed and replaced by	
Walla Walla	longitude -117.9397: All waters (including	longitude -117.9397: All waters (including	"confluence."	
	tributaries) above the junction that are in	tributaries) above the <u>confluence</u> that are		
	or above the Umatilla National Forest.	in or above the Umatilla National Forest.		
173-201A-602	Whiskey Creek, and unnamed tributary	Whiskey Creek, and unnamed tributary	The word "junction" was	No (1)
WRIA 32	system at and latitude 46.2176 longitude -	system at and latitude 46.2176 longitude -	removed and replaced by	
Walla Walla	118.0667 (Section 33 T9N R38E), all waters	118.0667 (Section 33 T9N R38E), all waters	"confluence."	
	above junction .	above <u>confluence</u> .		
173-201A-602	2. No waste discharge will be permitted	2. No waste discharge will be permitted	Adjusted river mile to actual	Yes
Notes for	for Mill Creek and tributaries from city of	for Mill Creek and tributaries in	location of water intake and	
WRIA 32:	Walla Walla Waterworks Dam (river mile	Washington from city of Walla Walla	included reference to	
	21.6) to headwaters.	Waterworks Dam (river mile 25.2) to	tributaries within	
		headwaters.	Washington State.	
173-201A-602	3. Temperature shall not exceed a 1-DMax	3. Temperature shall not exceed a 1-DMax	Deleted extra space in	No (1)
Notes for	of 20.0°C due to human activities. When	of 20.0°C due to human activities. When	formula "t =34/(T + 9)	
WRIA 32:	natural conditions exceed a 1-DMax of	natural conditions exceed a 1-DMax of		
	20.0°C, no temperature increase will be	20.0°C, no temperature increase will be		
	allowed which will raise the receiving	allowed which will raise the receiving		
	water temperature by greater than 0.3°C;	water temperature by greater than 0.3°C;		
	nor shall such temperature increases, at	nor shall such temperature increases, at		
	any time, exceed t =34/(T + 9).	any time, exceed t=34/(T + 9).		

173-201A-602	Palouse River from junction south fork	Palouse River, main river, from confluence	Clarified that designation	No (1,2)
WRIA 34	(Colfax, river mile 89.6) to Idaho border	with south fork (Colfax, river mile 89.6) to	refers to the main stem; to	
Palouse	(river mile 123.4). ¹	Idaho border (river mile 123.4). ¹	match USEPA disapproval	
			materials. The word	
			"junction" was removed and	
			replaced by "confluence	
			with."	
173-201A-602	Charley Creek and the unnamed tributary	Charley Creek and the unnamed tributary	The word "junction" was	No (1)
WRIA 35	at latitude 46.2851 longitude -117.3216:	at latitude 46.2851 longitude -117.3216:	removed and replaced by	
Middle Snake	All waters (including tributaries) above the	All waters (including tributaries) above the	"confluence."	
	junction, except those waters in or above	confluence, except those waters in or		
	the Umatilla National Forest.	above the Umatilla National Forest.		
173-201A-602	Charley Creek and the unnamed tributary	Charley Creek and the unnamed tributary	The word "junction" was	No (1)
WRIA 35	at latitude 46.2851 longitude -117.3216:	at latitude 46.2851 longitude -117.3216:	removed and replaced by	
Middle Snake	All waters (including tributaries) above the	All waters (including tributaries) above the	"confluence."	
	junction that are in or above the Umatilla	confluence that are in or above the		
	National Forest.	Umatilla National Forest.		
173-201A-602	Cottonwood Creek and the unnamed	Cottonwood Creek and the unnamed	The word "junction" was	No (1)
WRIA 35	tributary at latitude 46.0678 longitude -	tributary at latitude 46.0678 longitude -	removed and replaced by	
Middle Snake	117.3015 (Section 21 T7N R44E) all waters	117.3015 (Section 21 T7N R44E) all waters	"confluence."	
	above the junction .	above the <u>confluence</u> .		
173-201A-602	George Creek and the unnamed tributary	George Creek and the unnamed tributary	The word "junction" was	No (1)
WRIA 35	at latitude 46.2292 longitude -117.1874	at latitude 46.2292 longitude -117.1874	removed and replaced by	
Middle Snake	(Section 29 T9N R45E), all waters above	(Section 29 T9N R45E), all waters above	"confluence."	
	junction-not otherwise designated Char.	confluence not otherwise designated		
		Char.		
173-201A-602	Menatchee Creek and West Fork	Menatchee Creek and West Fork	The word "junction" was	No (1)
WRIA 35	Menatchee Creek: All waters (including	Menatchee Creek: All waters (including	removed and replaced by	
Middle Snake	tributaries) above the junction .	tributaries) above the <u>confluence</u> .	"confluence."	

173-201A-602	Databa Creak and Dry Databa Creaky All	Databa Craak and Dry Databa Craak All	The word "junction" was	$N_{o}(1)$
	Pataha Creek and Dry Pataha Creek: All	Pataha Creek and Dry Pataha Creek: All	,	No (1)
WRIA 35	waters (including tributaries) above the	waters (including tributaries) above the	removed and replaced by	
Middle Snake	junction, except those waters in or above	confluence, except those waters in or	"confluence."	
	the Umatilla National Forest.	above the Umatilla National Forest.		
173-201A-602	Pataha Creek and Dry Pataha Creek: All	Pataha Creek and Dry Pataha Creek: All	The word "junction" was	No (1)
WRIA 35	waters (including tributaries) above the	waters (including tributaries) above the	removed and replaced by	
Middle Snake	junction that are in or above the Umatilla	confluence that are in or above the	"confluence."	
	National Forest.	Umatilla National Forest.		
173-201A-602	Tenmile Creek, all waters above junction	Tenmile Creek, all waters above	The word "junction" was	No (1)
WRIA 35	with unnamed creek at latitude 46.2156	confluence with unnamed creek at	removed and replaced by	
Middle Snake	longitude -117.0386 (Section 33 T9N	latitude 46.2156 longitude -117.0386	"confluence."	
	R46E).	(Section 33 T9N R46E).		
173-201A-602	Tucannon River and Panjab Creek: All	Tucannon River and Panjab Creek: All	The word "junction" was	No (1)
WRIA 35	waters (including tributaries) above the	waters (including tributaries) above the	removed and replaced by	
Middle Snake	junction .	<u>confluence</u> .	"confluence."	
173-201A-602	Tucannon River's unnamed tributaries in	Tucannon River's unnamed tributaries in	Removed extra space	No (1)
WRIA 35	Sect. 1 -T10N R40E and in Sect. 35 T11N	Sect.1 T10N R40E and in Sect. 35 T11N	between "Sect.1" and "	
Middle Snake	R40E (South of Marengo): all waters above	R40E (South of Marengo): all waters above	T10N"	
	their forks.	their forks.		
173-201A-602	Tumalum Creek and the unnamed	Tumalum Creek and the unnamed	The word "junction" was	No (1)
WRIA 35	tributary at latitude 46.3594 longitude -	tributary at latitude 46.3594 longitude -	removed and replaced by	
Middle Snake	117.6488: All waters (including tributaries)	117.6488: All waters (including tributaries)	"confluence."	
	above the junction , except those waters in	above the confluence , except those		
	or above the Umatilla National Forest.	waters in or above the Umatilla National		
		Forest.		
173-201A-602	Tumalum Creek and the unnamed	Tumalum Creek and the unnamed	The word "junction" was	No (1)
WRIA 35	tributary at latitude 46.3594 longitude -	tributary at latitude 46.3594 longitude -	removed and replaced by	
Middle Snake	117.6488: All waters (including tributaries)	117.6488: All waters (including tributaries)	"confluence."	
	above the junction that are in or above the	above the confluence that are in or above		
	Umatilla National Forest.	the Umatilla National Forest.		

173-201A-602	Willow Creek and the unnamed tributary	Willow Creek and the unnamed tributary	The word "junction" was	No (1)
WRIA 35	at latitude 46.4182 longitude -117.8314:	at latitude 46.4182 longitude -117.8314:	removed and replaced by	
Middle Snake	All waters (including tributaries) above the	All waters (including tributaries) above the	"confluence."	
	junction .	<u>confluence</u> .		
173-201A-602	Ahtanum Creek, between junction with	Ahtanum Creek, between confluence with	The word "junction" was	No (1)
WRIA 37	South Fork and junction of North and	South Fork and <u>confluence</u> of North and	removed and replaced by	
Lower Yakima	Middle Forks (including tributaries) except	Middle Forks (including tributaries) except	"confluence."	
	where designated Char	where designated Char		
173-201A-602	Ahtanum Creek, North Fork, and Middle	Ahtanum Creek, North Fork, and Middle	The word "junction" was	No (1)
WRIA 37	Fork Ahtanum Creek: All waters (including	Fork Ahtanum Creek: All waters (including	removed and replaced by	
Lower Yakima	tributaries) above the junction .	tributaries) above the confluence.	"confluence."	
173-201A-602	Bumping Lake's unnamed tributaries at	Bumping Lake's unnamed tributaries at	Corrected latitude and	No (1)
WRIA 38	latitude 46.8 <mark>850</mark> longitude -121. 2779 .	latitude 46.8 <u>464</u> longitude -121. <u>3106</u> .	longitude to identify correct	
Naches			tributary	
173-201A-602	Bumping River and tributaries	Bumping River and tributaries	Deleted extra space in "Lake	No (1)
WRIA 38	downstream of the upper end of Bumping	downstream of the upper end of Bumping	(except"	
Naches	Lake -(except where designated char).	Lake (except where designated char).		
173-201A-602	Little Naches River and Bear Creek: All	Little Naches River and Bear Creek: All	The word "junction" was	No (1)
WRIA 38	waters (including tributaries) above the	waters (including tributaries) above the	removed and replaced by	
Naches	junction .	<u>confluence</u> .	"confluence."	
173-201A-602	Rattlesnake Creek: All waters above the	Rattlesnake Creek: All waters above the	The word "junction" was	No (1)
WRIA 38	junction with North Fork Rattlesnake	confluence with North Fork Rattlesnake	removed and replaced by	
Naches	Creek.	Creek.	"confluence."	
173-201A-602	Rattlesnake Creek, North Fork, all waters	Rattlesnake Creek, North Fork, all waters	The word "junction" was	No (1)
WRIA 38	above latitude 46.8107 longitude	above latitude 46.8107 longitude	removed and replaced by	
Naches	121.0694 (from and including the	121.0694 (from and including the	"confluence."	
	unnamed tributary just above junction	unnamed tributary just above confluence		
	with mainstem).	with mainstem).		
173-201A-602	Tieton River, North Fork (including	Tieton River, North Fork (including	The words "junction at" was	No (1)
WRIA 38	tributaries) above the junction at Clear	tributaries) above the confluence with	removed and replaced by	
Naches	Lake.	Clear Lake.	"confluence with."	

173-201A-602	Cle Elum River and all tributaries from	Cle Elum River and all tributaries from	The word "junction" was	No (1)
WRIA 39	junction with unnamed tributary at and	confluence with unnamed tributary at and	removed and replaced by	
Upper Yakima	latitude 47.3805 -longitude -121.0983 to	latitude 47.3805 longitude -121.0983 to	"confluence." Deleted the	
	headwaters.	headwaters.	extra space in "47.3805	
			longitude"	
173-201A-602	Manastash Creek: All waters above the	Manastash Creek: All waters above the	The word "junction" was	No (1)
WRIA 39	Junction of the North and South Forks that	<u>confluence</u> of the North and South Forks	removed and replaced by	
Upper Yakima	are downstream of the Wenatchee	that are downstream of the Wenatchee	"confluence."	
	National Forest boundary.	National Forest boundary.		
173-201A-602	Manastash Creek: All waters above the	Manastash Creek: All waters above the	The word "junction" was	No (1)
WRIA 39	Junction of the North and South Forks that	confluence of the North and South Forks	removed and replaced by	
Upper Yakima	are in or above the Wenatchee National	that are in or above the Wenatchee	"confluence."	
	Forest.	National Forest.		
173-201A-602	Manastash Creek mainstem from mouth	Manastash Creek mainstem from mouth	The word "junction" was	No (1)
WRIA 39	to junction of North and South Forks.	to confluence of North and South Forks.	removed and replaced by	
Upper Yakima			"confluence."	
173-201A-602	Manastash Creek, tributaries to mainstem,	Manastash Creek, tributaries to mainstem,	The word "junction" was	No (1)
WRIA 39	between the mouth and the junction of	between the mouth and the <u>confluence</u> of	removed and replaced by	
Upper Yakima	North and South Forks.	North and South Forks.	"confluence."	
173-201A-602	Swauk Creek mainstem from mouth to	Swauk Creek mainstem from mouth to	The word "junction" was	No (1)
WRIA 39	junction with First Creek.	confluence with First Creek.	removed and replaced by	
Upper Yakima			"confluence."	
173-201A-602	Swauk Creek from junction with First	Swauk Creek from confluence with First	The word "junction" was	No (1)
WRIA 39	Creek to Wenatchee National Forest	Creek to Wenatchee National Forest	removed and replaced by	
Upper Yakima	(including tributaries).	(including tributaries).	"confluence."	

173-201A-602	Taneum Creek, tributaries to mainstem,	Taneum Creek, tributaries to mainstem,	Same narrative – change	Yes
WRIA 39	from mouth to Wenatchee National Forest	from mouth to Wenatchee National Forest	one check box only.	
Upper Yakima	boundary.	boundary.	In Table 602 the wrong	
			recreation use was checked	
	Ex Primary Cont: checked	Primary Cont: checked	(didn't match the default	
			designation in 1997	
			standards). This corrects the	
			recreations to be Primary	
			Contact Recreation as it was	
			designated in 1997.	
			Note: no reference to	
			Taneum Creek in 2003 or	
			2007 standards.	
173-201A-602	Teanaway River, West Fork, and	Teanaway River, West Fork and Middle	Added Middle Fork of	No (2)
WRIA 39	tributaries downstream of the Wenatchee	Fork, and tributaries downstream of the	Teanaway River – current	
Upper Yakima	National Forest.	Wenatchee National Forest.	description implies	
			inclusion; this makes it	
			explicate to match USEPA	
			disapproval materials.	
173-201A-602	Teanaway River, West Fork, and	Teanaway River, West Fork and Middle	Added Middle Fork of	No (2)
WRIA 39	tributaries upstream of the Wenatchee	Fork, and tributaries upstream of the	Teanaway River – current	
Upper Yakima	National Forest.	Wenatchee National Forest.	description implies	
			inclusion; this makes it	
			explicate to match USEPA	
			disapproval materials.	
173-201A-602	Teanaway River, North Fork, and	Teanaway River, North Fork (and	Teanaway River, North Fork	No (1)
WRIA 39	tributaries from junction with West Fork	tributaries) from <u>mouth</u> to Jungle Creek	and West Fork do not meet;	
Upper Yakima	to Jungle Creek that are downstream of	that are downstream of the Wenatchee	both forks are tributaries of	
	the Wenatchee National Forest boundary	National Forest boundary (except where	the main stem. This is	
	(except where designated otherwise).	designated otherwise).	clarification.	

Upper Yakimato Jung Wenation173-201A-602YakimaWRIA 39unnam Unper YakimaUpper Yakimalongite River-i173-201A-602ChiwaWRIA 45Skinne tributa173-201A-602ChiwaWRIA 45CreekWenatcheeI173-201A-602ChiwaWRIA 45CreekWenatcheeI173-201A-602ChiwaWRIA 45and inWRIA 45Kina	aries from junction with West Fork gle Creek that are in or above the tchee National Forest boundary of where designated otherwise). a River and tributaries above the ned tributary (latitude 47.28927 ude 121.2971) entering the Yakima n Sect.25 T21NR12E. ukum Creek from junction with ey Creek to headwaters (including aries). wa River from mouth to Chiekamin (including tributaries).	tributaries) from <u>mouth</u> to Jungle Creek that are in or above the Wenatchee National Forest boundary (except where designated otherwise). Yakima River and tributaries above <u>but not</u> <u>including Cedar Creek (latitude 47.2892</u> <u>longitude -121.2947)</u> in Sect.25 T21NR12E. Chiwaukum Creek from <u>confluence</u> with Skinney Creek to headwaters (including tributaries). Chiwawa River from mouth to Chikamin Creek (including tributaries).	 and West Fork do not meet; both forks are tributaries of the main stem. This is clarification. Creek named on some maps and GIS data as Cedar Creek; Corrected latitude & longitude to correctly identify tributary The word "junction" was removed and replaced by "confluence." Spelling error: "Chickamin" 	No (1) No (1) No (1)
Wenat (excep 173-201A-602 Yakima WRIA 39 Unnam Upper Yakima Iongite River i 173-201A-602 Chiwa WRIA 45 Skinne Umatchee tributa 173-201A-602 Chiwa WRIA 45 Creek Wenatchee 1	tchee National Forest boundary ot where designated otherwise). a River and tributaries above the ned tributary (latitude 47.28927 ude 121.2971) entering the Yakima n Sect.25 T21NR12E. ukum Creek from junction with ey Creek to headwaters (including aries). wa River from mouth to Chiekamin	 National Forest boundary (except where designated otherwise). Yakima River and tributaries above <u>but not including Cedar Creek (latitude 47.2892 longitude -121.2947)</u> in Sect.25 T21NR12E. Chiwaukum Creek from <u>confluence</u> with Skinney Creek to headwaters (including tributaries). Chiwawa River from mouth to Chikamin 	 the main stem. This is clarification. Creek named on some maps and GIS data as Cedar Creek; Corrected latitude & longitude to correctly identify tributary The word "junction" was removed and replaced by "confluence." Spelling error: "Chickamin" 	No (1)
(excep173-201A-602YakimaWRIA 39unnamUpper YakimalongiteIongiteRiver-i173-201A-602ChiwaWRIA 45SkinneWRIA 45CreekWenatcheeI173-201A-602ChiwaWRIA 45CreekWenatcheeIWRIA 45And inWRIA 45And inWRIA 45InUpper 445InWRIA 45InWRIA 45InWRIA 45InWenatcheeIWRIA 45InWenatcheeIWenatcheeIWenatcheeIWenatcheeIWenatcheeIWenatcheeIWenatcheeIWenatcheeIWenatcheeIWenatcheeIWenatcheeIWenatcheeIWenatcheeIWenatcheeI	ot where designated otherwise). a River and tributaries above the ned tributary (latitude 47.28927 ude 121.2971) entering the Yakima n Sect.25 T21NR12E. ukum Creek from junction with ey Creek to headwaters (including aries). wa River from mouth to Chiekamin	designated otherwise). Yakima River and tributaries above <u>but not</u> <u>including Cedar Creek (latitude 47.2892</u> <u>longitude -121.2947)</u> in Sect.25 T21NR12E. Chiwaukum Creek from <u>confluence</u> with Skinney Creek to headwaters (including tributaries). Chiwawa River from mouth to Chikamin	clarification. Creek named on some maps and GIS data as Cedar Creek; Corrected latitude & longitude to correctly identify tributary The word "junction" was removed and replaced by "confluence." Spelling error: "Chickamin"	No (1)
173-201A-602YakimaWRIA 39unnamUpper YakimalongituIpper YakimalongituRiver ilongitu173-201A-602ChiwaWRIA 45SkinneUppatcheetributa173-201A-602ChiwaWRIA 45CreekWenatcheeunat173-201A-602ChiwaWRIA 45and inWRIA 45UnatWRIA 45UnatWRIA 45UnatWRIA 45UnatWRIA 45UnatWenatcheeUnatWenatcheeUnatWenatcheeUnat	a River and tributaries above the ned tributary (latitude 47.28927 ude 121.2971) entering the Yakima n Sect.25 T21NR12E. ukum Creek from junction with ey Creek to headwaters (including aries). wa River from mouth to Chiekamin	Yakima River and tributaries above <u>but not</u> <u>including Cedar Creek (latitude 47.2892</u> <u>longitude -121.2947)</u> in Sect.25 T21NR12E. Chiwaukum Creek from <u>confluence</u> with Skinney Creek to headwaters (including tributaries). Chiwawa River from mouth to Chikamin	Creek named on some maps and GIS data as Cedar Creek; Corrected latitude & longitude to correctly identify tributary The word "junction" was removed and replaced by "confluence." Spelling error: "Chickamin"	No (1)
WRIA 39 Upper Yakimaunnar longitu River i173-201A-602ChiwaWRIA 45SkinneWenatcheetributa173-201A-602ChiwaWRIA 45CreekWenatcheeunnarWRIA 45ChiwaWRIA 45unnarWRIA 45unnarWRIA 45unnarWRIA 45unnarWRIA 45unnarWenatcheeunnar	ned tributary (latitude 47.28927 ude 121.2971) entering the Yakima n Sect.25 T21NR12E. ukum Creek from junction with ey Creek to headwaters (including aries). wa River from mouth to Chiekamin	including Cedar Creek (latitude 47.2892 longitude -121.2947) in Sect.25 T21NR12E. Chiwaukum Creek from confluence with Skinney Creek to headwaters (including tributaries). Chiwawa River from mouth to Chikamin	and GIS data as Cedar Creek; Corrected latitude & longitude to correctly identify tributary The word "junction" was removed and replaced by "confluence." Spelling error: "Chickamin"	No (1)
Upper YakimaIongita River i173-201A-602ChiwaWRIA 45Skinne173-201A-602ChiwaWRIA 45CreekWenatcheeI173-201A-602ChiwaWRIA 45and inWRIA 45ChiwaWRIA 45IUpper ValueI173-201A-602ChiwaWRIA 45IWRIA 45IUpper ValueIUpper Value <th>ukum Creek from junction with ey Creek to headwaters (including aries).</th> <th>Iongitude -121.2947)in Sect.25T21NR12E.Chiwaukum Creek from confluence with Skinney Creek to headwaters (including tributaries).Chiwawa River from mouth to Chikamin</th> <th>Creek; Corrected latitude & longitude to correctly identify tributary The word "junction" was removed and replaced by "confluence." Spelling error: "Chickamin"</th> <th></th>	ukum Creek from junction with ey Creek to headwaters (including aries).	Iongitude -121.2947)in Sect.25T21NR12E.Chiwaukum Creek from confluence with Skinney Creek to headwaters (including tributaries).Chiwawa River from mouth to Chikamin	Creek; Corrected latitude & longitude to correctly identify tributary The word "junction" was removed and replaced by "confluence." Spelling error: "Chickamin"	
River173-201A-602ChiwaWRIA 45SkinneWenatcheetributa173-201A-602ChiwaWRIA 45CreekWenatchee173-201A-602MRIA 45And inWRIA 45And inWenatchee100 model	n Sect.25 T21NR12E. ukum Creek from junction with ey Creek to headwaters (including aries). wa River from mouth to Chi <mark>e</mark> kamin	T21NR12E. Chiwaukum Creek from <u>confluence</u> with Skinney Creek to headwaters (including tributaries). Chiwawa River from mouth to Chikamin	longitude to correctly identify tributary The word "junction" was removed and replaced by "confluence." Spelling error: "Chickamin"	
173-201A-602 Chiwa WRIA 45 Skinne Wenatchee tributa 173-201A-602 Chiwa WRIA 45 Creek Wenatchee 1 173-201A-602 Chiwa WRIA 45 Creek Wenatchee 1 WRIA 45 And in WRIA 45 and in	ukum Creek from junction with ey Creek to headwaters (including aries). wa River from mouth to Chi <mark>e</mark> kamin	Chiwaukum Creek from <u>confluence</u> with Skinney Creek to headwaters (including tributaries). Chiwawa River from mouth to Chikamin	identify tributary The word "junction" was removed and replaced by "confluence." Spelling error: "Chickamin"	
WRIA 45 Skinner Wenatchee tributa 173-201A-602 Chiwar WRIA 45 Creek 173-201A-602 Chiwar WRIA 45 And in WRIA 45 And in WRIA 45 And in WRIA 45 And in	ey Creek to headwaters (including aries). wa River from mouth to Chi <mark>e</mark> kamin	Skinney Creek to headwaters (including tributaries). Chiwawa River from mouth to Chikamin	The word "junction" was removed and replaced by "confluence." Spelling error: "Chickamin"	
WRIA 45 Skinner Wenatchee tributa 173-201A-602 Chiwar WRIA 45 Creek 173-201A-602 Chiwar WRIA 45 And in WRIA 45 And in WRIA 45 And in WRIA 45 And in	ey Creek to headwaters (including aries). wa River from mouth to Chi <mark>e</mark> kamin	Skinney Creek to headwaters (including tributaries). Chiwawa River from mouth to Chikamin	removed and replaced by "confluence." Spelling error: "Chickamin"	
Wenatchee tributa 173-201A-602 Chiwar WRIA 45 Creek Wenatchee Image: Chiwar 173-201A-602 Chiwar WRIA 45 and image: Chiwar WRIA 45 Image: Chiwar WRIA 45 Image: Chiwar WRIA 45 Image: Chiwar WRIA 45 Image: Chiwar Wenatchee Image: Chiwar	aries). wa River from mouth to Chi c kamin	tributaries). Chiwawa River from mouth to Chikamin	"confluence." Spelling error: "Chickamin"	No (1)
173-201A-602ChiwaWRIA 45CreekWenatchee	wa River from mouth to Chi c kamin	Chiwawa River from mouth to Chikamin	Spelling error: "Chickamin"	No (1)
WRIA 45 Creek Wenatchee 173-201A-602 Chiwa WRIA 45 and in Wenatchee I				No (1)
Wenatchee173-201A-602ChiwarWRIA 45and inWenatchee	(including tributaries).	Creek (including tributaries).		
173-201A-602ChiwaWRIA 45and inWenatchee		(C)	is spelled " Chikamin"	
WRIA 45 and in Wenatchee				
Wenatchee	wa River (and all tributaries) above	Chiwawa River (and all tributaries) above	Spelling error: "Chickamin"	No (1)
	cluding Chi <mark>e</mark> kamin Creek.	and including Chikamin Creek.	is spelled " Chikamin"	
173-201A-602 Dry Cr				
1/3-201A-002 Diy Ci	eek and Chumstick Creek: All waters	Dry Creek and Chumstick Creek: All waters	The word "junction" was	No (1)
WRIA 45 (includ	ling tributaries) above the junction ,	(including tributaries) above the	removed and replaced by	
Wenatchee except	t those waters in or above the	confluence, except those waters in or	"confluence."	
Wenat	tchee National Forest.	above the Wenatchee National Forest.		
173-201A-602 Dry Cr	eek and Chumstick Creek: All waters	Dry Creek and Chumstick Creek: All waters	The word "junction" was	No (1)
WRIA 45 (includ	ling tributaries) above the junction	(including tributaries) above the	removed and replaced by	
Wenatchee that an	re in or above the Wenatchee	confluence that are in or above the	"confluence."	
Nation		Wenatchee National Forest.		

173-201A-602	Eagle Creek and the unnamed tributary at	Eagle Creek and the unnamed tributary at	The word "junction" was	No (1)
WRIA 45	latitude 47.6544 longitude -120.5165: All	latitude 47.6544 longitude -120.5165: All	removed and replaced by	. ,
Wenatchee	waters (including tributaries) above the	waters (including tributaries) above the	"confluence."	
	junction that are in or above the	confluence that are in or above the		
	Wenatchee National Forest.	Wenatchee National Forest.		
173-201A-602	Icicle Creek (including tributaries) from	Icicle Creek (including tributaries) from	Deleted the word	No (1)
WRIA 45	mouth to confluence National Forest	mouth to <u>the</u> National Forest Boundary.	"confluence" added "the" to	
Wenatchee	Boundary.		clarify the sentence.	
173-201A-602	Mission Creek from latitude 47.5583	Mission Creek from latitude 47.4496	Corrected latitude &	No (1)
WRIA 45	longitude -120. 5745 to headwaters	longitude -120. 4945 to headwaters	Longitude; original	
Wenatchee	(including tributaries) downstream of the	(including tributaries) downstream of the	coordinate on Peshastin	
	National Forest boundary.	National Forest boundary.	Creek	
173-201A-602	Mission Creek from latitude 47.5583	Mission Creek from latitude 47.4496	Corrected latitude &	No (1)
WRIA 45	longitude -120. 5745 to headwaters	longitude -120. <u>4945</u> to headwaters	Longitude; original	
Wenatchee	(including tributaries) in or above the	(including tributaries) in or above the	coordinate on Peshastin	
	National Forest boundary.	National Forest boundary.	Creek	
173-201A-602	Peshastin Creek from junction with Mill	Peshastin Creek from confluence with Mill	The word "junction" was	No (1)
WRIA 45	Creek to National Forest Boundary	Creek to National Forest Boundary	removed and replaced by	
Wenatchee	(including tributaries).	(including tributaries).	"confluence."	
173-201A-602	Second Creek and the unnamed tributary	Second Creek and the unnamed tributary	The word "junction" was	No (1)
WRIA 45	at latitude 47.7384 longitude -120.5935:	at latitude 47.7384 longitude -120.5935:	removed and replaced by	
Wenatchee	All waters (including tributaries) above the	All waters (including tributaries) above the	"confluence."	
	junction .	<u>confluence</u> .		
173-201A-602	Van Creek and the unnamed tributary at	Van Creek and the unnamed tributary at	The word "junction" was	No (1)
WRIA 45	latitude 47.6722 longitude -120.5373: All	latitude 47.6722 longitude -120.5373: All	removed and replaced by	
Wenatchee	waters (including tributaries) above the	waters (including tributaries) above the	"confluence."	
	junction .	<u>confluence</u> .		

173-201A-602	Wenatchee River and all tributaries	Wenatchee River and all tributaries above	Reference to Minnow Creek	No (1)
WRIA 45	upstream of Minnow Creek (above	Chiwawa River <u>confluence</u> .	is more confusing than	
Wenatchee	Chiwawa River junction) .		helpful in finding this	
			location. Removed to clarify	
			location. The word	
			"junction" was removed and	
			replaced by "confluence."	
173-201A-602	Brennegan Creek and the unnamed	Brennegan Creek and the unnamed	The word "junction" was	No (1)
WRIA 46	tributary at and latitude 47.9098 longitude	tributary at and latitude 47.9098 longitude	removed and replaced by	
Entiat	-120.4185: All waters (including	-120.4185: All waters (including	"confluence."	
	tributaries) above the junction .	tributaries) above the <u>confluence</u> .		
173-201A-602	Entiat River's unnamed tributaries	Entiat River's unnamed tributaries	Removed the extra space	No (1)
WRIA 46	upstream of -latitude 47.9106 longitude -	upstream of latitude 47.9106 longitude -	from "of latitude"	
Entiat	121.5010 (below Fox Creek).	121.5010 (below Fox Creek).		
173-201A-602	Gray Canyon, North Fork, and South Fork	Gray Canyon, North Fork, and South Fork	The word "junction" was	No (1)
WRIA 46	Gray Canyon: All waters (including	Gray Canyon: All waters (including	removed and replaced by	
Entiat	tributaries) above the junction .	tributaries) above the <u>confluence</u> .	"confluence."	
173-201A-602	Mud Creek and Switchback Canyon: All	Mud Creek and Switchback Canyon: All	The word "junction" was	No (1)
WRIA 46	waters (including tributaries) above the	waters (including tributaries) above the	removed and replaced by	
Entiat	junction .	<u>confluence</u> .	"confluence."	
173-201A-602	Potato Creek and Gene Creek: All waters	Potato Creek and Gene Creek: All waters	The word "junction" was	No (1)
WRIA 46	above the junction .	above the <u>confluence</u> .	removed and replaced by	
Entiat			"confluence."	
173-201A-602	Preston Creek and South Fork Preston	Preston Creek and South Fork Preston	The word "junction" was	No (1)
WRIA 46	Creek: All waters (including tributaries)	Creek: All waters (including tributaries)	removed and replaced by	
Entiat	above the junction .	above the <u>confluence</u> .	"confluence."	
173-201A-602	Stormy Creek and the unnamed tributary	Stormy Creek and the unnamed tributary	The word "junction" was	No (1)
WRIA 46	at latitude 47.8387 longitude -120.3865:	at latitude 47.8387 longitude -120.3865:	removed and replaced by	
Entiat	All waters (including tributaries) above the	All waters (including tributaries) above the	"confluence."	
	junction .	<u>confluence</u> .		

173-201A-602	Tillicum Creek and Indian Creek: All waters	Tillicum Creek and Indian Creek: All waters	The word "junction" was	No (1)
WRIA 46	(including tributaries) above the junction .	(including tributaries) above the	removed and replaced by	
Entiat		<u>confluence</u> .	"confluence."	
173-201A-602	Beaver Creek and South Fork Beaver	Beaver Creek and South Fork Beaver	The word "junction" was	No (1)
WRIA 48	Creek: All waters (including tributaries)	Creek: All waters (including tributaries)	removed and replaced by	
Methow	above the junction .	above the <u>confluence</u> .	"confluence."	
173-201A-602	Boulder Creek and Pebble Creek: All	Boulder Creek and Pebble Creek: All	The word "junction" was	No (1)
WRIA 48	waters (including tributaries) above the	waters (including tributaries) above the	removed and replaced by	
Methow	junction .	<u>confluence</u> .	"confluence."	
173-201A-602	Chewuch River and tributaries above Buck	Chewuch River and tributaries above Buck	Deleted extra period at the	No (1)
WRIA 48	Creek at Section 30, T38, R22E	Creek at Section 30, T38, R22E.	end of the sentence.	
Methow				
173-201A-602	Goat Creek above the junction with	Goat Creek above the confluence with	The word "junction" was	No (1)
WRIA 48	Roundup Creek to headwaters (including	Roundup Creek to headwaters (including	removed and replaced by	
Methow	tributaries).	tributaries).	"confluence."	
173-201A-602	Libby Creek and Hornel Draw: All waters	Libby Creek and Hornel Draw: All waters	The word "junction" was	No (1)
WRIA 48	(including tributaries) above the junction .	(including tributaries) above the	removed and replaced by	
Methow		<u>confluence</u> .	"confluence."	
173-201A-602	Lost River Gorge and all tributaries	Lost River Gorge and all tributaries	The word "junction" was	No (1)
WRIA 48	upstream of junction with Sunset Creek.	upstream of <u>confluence</u> with Sunset	removed and replaced by	
Methow		Creek.	"confluence."	
173-201A-602	Methow River from mouth to junction	Methow River from mouth to confluence	The word "junction" was	No (1)
WRIA 48	with Twisp River.	with Twisp River.	removed and replaced by	
Methow			"confluence."	
173-201A-602	Methow River from junction with Twisp	Methow River from confluence with Twisp	The word "junction" was	No (1)
WRIA 48	River to Chewuch River (river mile 50.1).	River to Chewuch River (river mile 50.1).	removed and replaced by	
Methow			"confluence."	

173-201A-602	Methow River, West Fork, (including	Methow River, West Fork, (including	Corrected latitude &	No (1)
WRIA 48	tributaries) from and including Robinson	tributaries) from and including Robinson	longitude to coincide with	
Methow	Creek and its tributaries to headwaters	Creek and its tributaries to headwaters	junction described.	
	(except unnamed tributary above mouth	(except unnamed tributary above mouth		
	at latitude 48.6594 longitude -120.5 382 .	at latitude 48.659 <u>1</u> longitude -120.5 <u>493</u> .		
173-201A-602	Smith Canyon Creek and Elderberry	Smith Canyon Creek and Elderberry	The word "junction" was	No (1)
WRIA 48	Canyon: All waters (including tributaries)	Canyon: All waters (including tributaries)	removed and replaced by	
Methow	above the junction .	above the <u>confluence</u> .	"confluence."	
173-201A-602	Twisp River and War Creek: All waters	Twisp River and War Creek: All waters	The word "junction" was	No (1)
WRIA 48	(including tributaries) above the junction .	(including tributaries) above the	removed and replaced by	
Methow		<u>confluence</u> .	"confluence."	
173-201A-602	1. Temperature shall not exceed a 1-DMax	1. Temperature shall not exceed a 1-DMax	Removed space after "t" in	No (1)
Notes for	of 20.0°C due to human activities. When	of 20.0°C due to human activities. When	the formula $t = 34/(T + 9)$.	
WRIA 54:	natural conditions exceed a 1-DMax of	natural conditions exceed a 1-DMax of		
	20.0°C, no temperature increase will be	20.0°C, no temperature increase will be		
	allowed which will raise the receiving	allowed which will raise the receiving		
	water temperature by greater than 0.3°C;	water temperature by greater than 0.3°C;		
	nor shall such temperature increases, at	nor shall such temperature increases, at		
	any time, exceed t-= 34/(T + 9).	any time, exceed t= 34/(T + 9).		
173-201A-602	2. a. The average euphotic zone	2. a. The average euphotic zone	Removed space after "t" in	No (1)
Notes for	concentration of total phosphorus (as P)	concentration of total phosphorus (as P)	the formula $t = 34/(T + 9)$.	
WRIA 54:	shall not exceed 25µg/L during the period	shall not exceed 25µg/L during the period		
	of June 1 to October 31.	of June 1 to October 31.		
	b. Temperature shall not exceed a 1-DMax	b. Temperature shall not exceed a 1-DMax		
	of 20.0°C, due to human activities. When	of 20.0°C, due to human activities. When		
	natural conditions exceed a 1-DMax of	natural conditions exceed a 1-DMax of		
	20.0°C, no temperature increase will be	20.0°C, no temperature increase will be		
	allowed which will raise the receiving	allowed which will raise the receiving		
	water temperature by greater than 0.3°C;	water temperature by greater than 0.3°C;		
	nor shall such temperature increases, at	nor shall such temperature increases, at		
	any time, exceed t-= 34/(T + 9).	any time, exceed t= 34/(T + 9).		

173-201A-602	Harvey Creek and Paupac Creek: All waters	Harvey Creek (also called Outlet Creek)	Clarification; creek has	No (1)
WRIA 62 Pend	(including tributaries) above the junction .	and Paupac Creek: All waters (including	different names on different	
Oreille		tributaries) above the confluence.	maps. The word "junction"	
			was removed and replaced	
			by "confluence."	
173-201A-602	Le Clerc Creek, East Branch, and West	Le Clerc Creek, East Branch, and West	The word "junction" was	No (1)
WRIA 62 Pend	Branch Le Clerc Creek: All waters	Branch Le Clerc Creek: All waters	removed and replaced by	
Oreille	(including tributaries) above the junction ,	(including tributaries) above the	"confluence."	
	except those waters in or above the	confluence, except those waters in or		
	Colville National Forest.	above the Colville National Forest.		
173-201A-602	Le Clerc Creek, East Branch, and West	Le Clerc Creek, East Branch, and West	The word "junction" was	No (1)
WRIA 62 Pend	Branch Le Clerc Creek: All waters	Branch Le Clerc Creek: All waters	removed and replaced by	
Oreille	(including tributaries) above the junction	(including tributaries) above the	"confluence."	
	that are in or above the Colville National	confluence that are in or above the		
	Forest.	Colville National Forest.		
173-201A-602	Le Clerc Creek from mouth to junction	Le Clerc Creek from mouth to <u>confluence</u>	The word "junction" was	No (1)
WRIA 62 Pend	with West Branch le Clerc Creek (including	with West Branch le Clerc Creek (including	removed and replaced by	
Oreille	tributaries).	tributaries).	"confluence."	
173-201A-602	Sullivan Creek above junction- with Harvey	Sullivan Creek above <u>confluence</u> with	The word "junction" was	No (1)
WRIA 62 Pend	Creek (including tributaries) to	Harvey Creek (including tributaries) to	removed and replaced by	
Oreille	headwaters.	headwaters.	"confluence."	
173-201A-602	1. Temperature shall not exceed a 1-DMax	1. Temperature shall not exceed a 1-DMax	Removed space after "t" in	No (1)
Notes for	of 20.0°C due to human activities. When	of 20.0°C due to human activities. When	the formula t= 34/(T + 9).	
WRIA 62:	natural conditions exceed a 1-DMax of	natural conditions exceed a 1-DMax of		
	20.0°C, no temperature increase will be	20.0°C, no temperature increase will be		
	allowed which will raise the receiving	allowed which will raise the receiving		
	water temperature by greater than 0.3°C;	water temperature by greater than 0.3°C;		
	nor shall such temperature increases, at	nor shall such temperature increases, at		
	any time, exceed t-= 34/(T + 9).	any time, exceed t= 34/(T + 9).		

Ecology Publication 06-10-038	[Various items in the legend]	[Various items in the legend]	Remove word "Proposed" as these are now incorporated into Final rule. Removed author's name.	No (1)
	[Various items in the legend]	[Various items in the legend]	In WRIA 18, the temperatures for Spawning streams were erroneously not included; and have been added.	No (1)
	[Various items in the legend]	[Various items in the legend]	The legend for WRIA 26 included the error: "Existing Char Criteria (remains 12°C)". Legend should read "Open Water and Open Features".	No (1)
	[Various items in the legend]	[Various items in the legend]	The legend for WRIA 38 has an extra line: "Proposed Spawning/Incubation Criteria". This has been removed.	No (1)
	WRIA 14 Kennedy-Goldsborough No language – all visual maps Johns Creek Spawning Criteria (13°C from Sept. 1 – May 15) covers mouth to approximately river mile 1.	No language – all visual maps Johns Creek Spawning Criteria (13°C from Sept. 1 – May 15) covers mouth to river mile 3.0.	The GIS linework was corrected to extend from the mouth to river mile 3.0.	Yes

(1) These changes are clarifications and spelling/typographical corrections. They do not impose economic impacts.

(2) These changes are necessary to bring the rule into compliance with EPA mandates. These are exempt from economic analysis.

(3) The water quality standard at 173-201A-600(2) has a general statement that water quality standards do not apply to waters on Indian reservations. It has come to our attention that this general statement is incorrect. The Puyallup Tribe Land Claims Settlement of 1989 has

provisions for tribal jurisdiction for waters overlying trust properties that include the reach of the Puyallup River within exterior boundary of the reservation (which includes the bed and banks, and jurisdiction up to the ordinary high water mark) as well as tribal marine properties on the Hylebos waterway and along Brown's Point. The state department of Ecology maintains jurisdiction over water quality of surface waters overlying fee lands on the reservation (which includes waters tributary to the Puyallup River such as Clarks Creek, Clear Creek, Swab Creek, Wapato Creek, and Hylebos Creek).

The general statement that the state water quality standards do not apply to segments of waters on Indian reservations is thus an error in the case of the Puyallup Tribe, and is being corrected. This oversight also resulted in subsequent errors in Table 602, WRIA 10, for three tributaries to the Puyallup River that remain under state jurisdiction (Clarks Creek, Clear Creek, and Swam Creek). These tributaries are all protected for "core summer habitat" regardless of whether they are within the reservation or outside of the reservation. These errors are being corrected by striking out the language referring to waters "upstream of tribal reservation".

The designation of these areas does not change as a result of these changes (though the reason for the designation does change). Therefore, the proposed changes do not impose economic impacts.