2000 Washington State Water Quality Assessment

Section 305(b) Report

August 2000
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Prepared by:
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Washington State Department of Ecology
Water Quality Program

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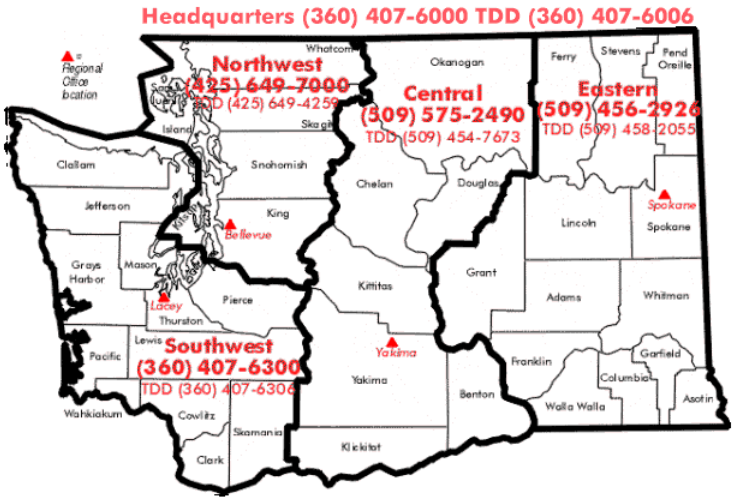

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Executive Summary

The state of Washington is blessed with an abundance of rivers, streams, lakes, wetlands, marine waters and aquifers. These waters provide water for irrigation, industry, electricity, drinking, and habitat for birds, shellfish and other aquatic life. State waters also support recreational activities such as fishing, swimming and boating. The quality of the state's waters impact the economy in a number of ways.

Washington's economy depends on a healthy environment. Fishing, forestry, agriculture, and mining are examples of resource based industries that depend upon the availability of natural resources to survive. These industries can also be a threat to water quality. With the population of the state growing, more demands are being placed on industry, and municipalities as well as on the environment. As a result of these demands, increased amounts of waste are a threat to water quality. It is important to monitor the surface and groundwaters of the state to maintain pristine conditions where possible, minimize the impacts of contamination and protect resources dependent on clean water.

Groundwater supplies, once plentiful in the state, are being challenged due to population growth and the accompanying demand for water use and wastewater disposal. Pesticides and nitrates in tested wells and lower than average rainfall over the years are testing the state's ability to sustain high quality water supplies.

As per the federal Clean Water Act (CWA), section 305(b), the Washington State Department of Ecology (Ecology) gathers information on water quality in the state and reports this information to the U. S. Environmental Protection Agency (EPA) every two years. The EPA then compiles the information with data received from other states to report the conditions of our nation's waters to Congress. Ecology's goal is to improve the quality of the state waters where existing quality is less than desired or required, as well as to maintain pristine conditions where they are found. By working together with other state and local governments, tribes, community interest groups, industries and others, the state will be able to accomplish this task. With increased technology and the sharing of resources, the state will also be better able to report trends in water quality.

This year's water quality assessment report is a compilation of the 1996 and the 1998 reports. Two different assessments were conducted for the purpose of maintaining consistency and monitoring trends. Both assessments offer valuable information for understanding the quality of the state waters.

The first assessment method provides water quality information based on a census survey approach. The census survey approach presents results based on data collected on specific waterbodies and on the use attainment assigned to those waters. This assessment combines data and assesses only a small portion of the state. Use of the census approach can result in a biased representation of the state's water quality.

The second assessment method uses the sample survey approach. Sample surveys are intended to produce an assessment of the condition of the entire resource when that

resource cannot be subject to a complete survey. This approach presents the conditions of the state's water quality by estimating the total use support from a monitored subset of waterbodies. With this method, assumptions are made about waterbodies at the regional level based on a small data set.

The results from both assessment methods indicate that water quality has improved in a number of areas while in others it has degraded. Data results indicate that 56 percent (census survey) and 54 percent (sample survey) of all river and stream lengths monitored are impaired for one or more of their beneficial uses as set by state water quality standards. The primary causes of these water quality problems are high temperature, pH and fecal coliform bacteria. The greatest pollution sources for impairment to Washington State rivers and streams are agricultural activities and modification of stream habitat.

Nearly all of the estuary areas assessed were found to have at least one beneficial use impaired. Data indicate that 83 percent (census survey) and 79 percent (sample survey) of all estuaries monitored are impaired for one or more of their beneficial uses. The primary causes of use impairment to estuaries are temperature and low dissolved oxygen. The greatest pollution sources for impairment to Washington State estuaries are natural sources.

Washington State lake data results indicate that 38 percent (census survey) and 37 percent (sample survey) of all lakes are impaired for one or more of their beneficial uses. The primary cause of use impairment in lakes is excessive nutrients. Nonpoint source pollution originating from agricultural activities, urbanization, forestry operations, and natural conditions is the greatest source of water quality impairment to lakes in Washington State.

In the state of Washington, groundwater is the source of drinking water for the majority of its citizens. In large areas east of the Cascade Mountain Range, 80 to 90 percent of the available drinking water is obtained from groundwater sources. Generally, groundwater quality in Washington State is good. However, there are several areas of degraded groundwater where beneficial use has been negatively impacted. Degradation of Washington State's groundwater is primarily due to nitrates, metals and nonpoint source pollution.

Washington State's resources are a valuable asset to the state. It is important that the state continue to protect these resources. Continued watershed planning, adequate funding, partnerships and community involvement are important contributors to accomplishing this. As the state continues to work toward this common goal, the citizens of the state will be able to continue to enjoy these resources.

Introduction

The purpose of the Section 305(b) report is to present to the U.S. Congress and the public the current conditions of the state's waters. Section 305(b) of the federal CWA requires each state to prepare a water quality assessment report every two years. The EPA compiles the information from the state reports and prepares a summary for Congress on the status of the nation's waters. The 2000 Washington State 305(b) report has been prepared in accordance with the 1997 EPA guidelines for preparation of 305(b) reports.

This year's 305(b) report incorporates several new sections on the status of water quality in Washington. The format of this year's report is a compilation of the formats used in the 1996 and 1998 305(b) reports. Descriptions of state programs that manage and clean up impaired waters and prevent pollution are detailed in the text of the report. Assessment results for rivers, streams, estuaries and lakes are included in the form of tables.

The monitoring design and data used in this year's 305(b) report were selected because they best suited the requirements of the state's 305(b) report. All available data was not used to prepare the 305(b) report assessments because of the biases that some monitoring designs create.

Two different water quality assessments are being presented in this report. Both assessments offer valuable information for understanding the quality of the state waters. The first method provides water quality information based on a census survey approach. The census survey approach presents results based on data collected on specific waterbodies and on the use attainment assigned to those waters. This approach combines data and assesses only a small portion of the state.

Monitoring all waters is not possible due to the lack of monetary resources. The traditional census survey approach will likely never result in a complete statewide picture. One way the EPA recommends conducting these statewide assessments is to use the sample survey approach to enable inferences about all waters from a subset of waterbodies. An overview of the quality and condition of the state can be presented with this approach.

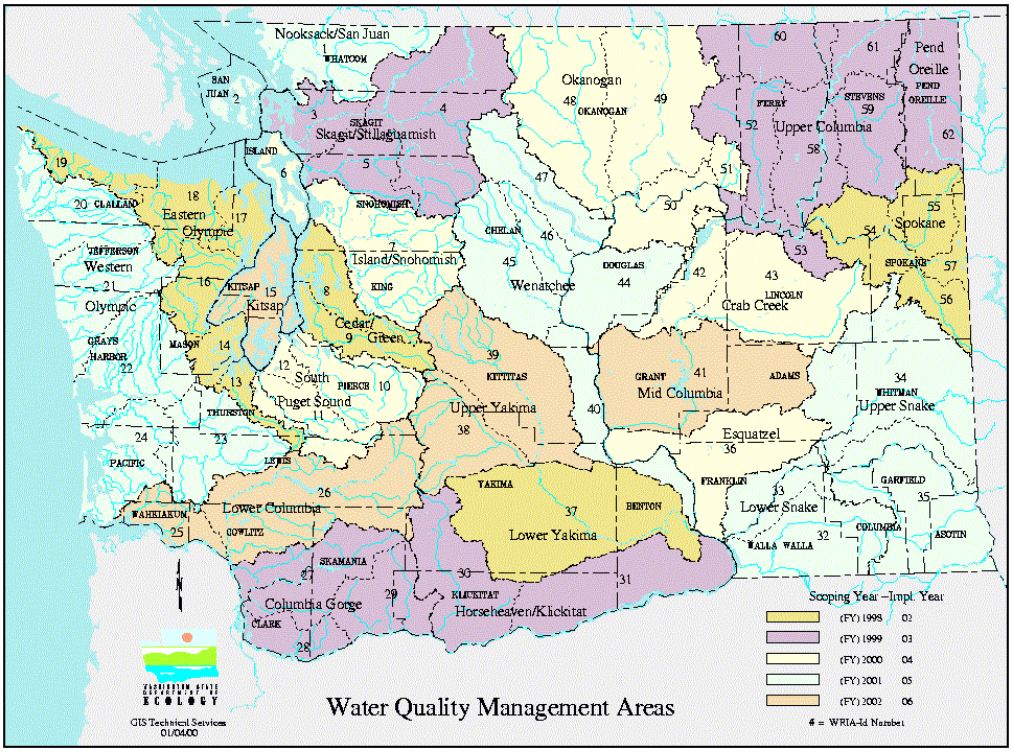
The second method provides water quality information based on a sample survey approach. Sample surveys are intended to produce an assessment of the condition of the entire resource when that resource cannot be subject to a complete survey. This approach presents the conditions of the state's water quality by estimating the total use support from a monitored subset of waterbodies. In this method, assumptions are made about waterbodies at the regional level based on a small data set.

I. Major Water Quality Issues Affecting the State of Washington

I.A. Point Source Pollution

The state of Washington is responsible for issuing wastewater discharge permits under the State Water Pollution Control Act (Chapter 90.48). Under the act, Ecology operates a state waste discharge permit program for discharges to surface and groundwater, sewerage systems, and storm drains. Ecology also has authority to carry out provisions of the federal CWA. Ecology issues both State Water Pollution Control Act and National Pollution Discharge Elimination System (NPDES) permits. Ecology's water quality program has made dramatic progress toward ensuring wastewater and stormwater discharges are managed.

Figure 1: Water Quality Management Areas



In 1993, Ecology started managing wastewater discharge permits and other point and nonpoint discharges of pollutants to surface waters on a watershed basis. The watershed approach to water quality management was designed to synchronize water quality monitoring, inspections, permitting, nonpoint activities, and funding. The approach links science, permitting, and prevention activities to maintain standards. Currently, the cyclic approach to permit review is still being used to issue and re-issue wastewater permits

within the state.

Permitting by Water Quality Management Areas (WQMAs) allows a more coherent examination of water quality concerns and makes it easier to link wastewater discharge permit requirements to the overall condition and quality of local waters. Ecology's management approach consists of a five step, five year process. Each year, four or five WQMAs are selected to enter the five step cycle. Within these WQMAs, permits are grouped by waterbody and decisions are made based on the following sequence: identification and prioritization of problems including water quality impairments; monitoring and data collection; studying problem areas; preparing action plans including Total Maximum Daily Loads (TMDLs); and, implementing solutions to water quality problems. The anticipated outcome of this approach is to improve water quality within geographic drainage areas. The map above shows the 23 WQMAs in Washington used to allocate water quality program resources.

I.B. Nonpoint Source Pollution

Nonpoint source pollution has and continues to have a major impact on Washington State's surface and groundwater quality. Nonpoint source pollution has been traced to the cause for a significant number of waterbodies appearing on the 1998 303(d) list. The primary causes of water quality problems are violations of fecal coliform, temperature, pH, dissolved oxygen, and ammonia standards. These problems affect the use of rivers and streams for swimming, support of aquatic life, shellfish harvest and wildlife habitat.

Impacts from various land uses are slowly changing. In the forested environment, forest practices rules focusing on preventing water quality problems have been in place since the early 1980s. These rules have been modified over time to provide what is generally recognized as the most protective program found in any state in the country. Forested areas have been the sites of many restoration efforts. Though change occurs slowly in the forest, the indication is that forested streams will gradually improve over time.

In agricultural areas, practices are also improving. Educational efforts by the Natural Resources Conservation Service (NRCS), conservation districts, and Washington State University's Cooperative Extension have raised awareness of producers and increased the number of acres managed under Best Management Practices (BMPs). Nutrient management on dairy farms continues to be a tough issue, along with soil erosion from dryland and irrigated crops. A new program is in place to ensure that all dairy farms develop and implement nutrient management plans.

Data from a variety of studies now show that aquatic ecosystem integrity and the ability to support fish life, a beneficial use, are impaired when the impervious surface of a watershed exceeds very low levels. Since most of the development in the state is occurring on the urban fringe, the total acreage of agricultural and forest land is being depleted. With that loss comes the inevitable degradation of water quality.

The greatest impacts associated with urban development are from altered peak flows in the winter and reduced base flows in the summer. Runoff from impervious surfaces also deliver nutrients, sediment, fecal contamination and toxic chemicals to stream systems. Stormwater management is a problem for many towns. Future development using today's BMPs will continue to exacerbate the situation. New stormwater manuals with updated best management practices are in development.

The public's understanding of the value of river systems in Washington continues to increase. Rivers are seen as much more than simply a source of power or water. Issues related to salmon survival highlight the magnitude of water quality, flow, and habitat problems. Conflicting uses have resulted in a need for more comprehensive planning that considers a wide range of interests. Population growth has had a disturbing impact on water availability that in turn impacts the quality of the water in streams and rivers. New information about groundwater-surface water interaction has opened a whole new aspect to management decision making.

In April 2000, Washington State completed its Water Quality Management Plan to Control Nonpoint Source Pollution[1]. This document provides a holistic approach to controlling and cleaning up nonpoint source pollution. The previous plan dedicated to nonpoint source pollution was completed in 1987. Since that time, numerous new programs have been developed and implemented, leading to many successful on-the-ground efforts. The plan has two purposes. The first is to meet federal mandates and the second is to assess the particular needs of the state regarding nonpoint source pollution.

I.C. Salmon Protection

In 1999 the National Marine Fisheries Service (NMFS) added nine west coast salmon to the Endangered Species List. Those affecting Washington include: the Puget Sound Chinook (threatened), Lower Columbia Chinook (threatened), Upper Columbia spring run Chinook (endangered), Hood Canal summer run Chum (threatened), Columbia River Chum (threatened), Middle Columbia River Steelhead (threatened), and the Lake Ozette Sockeye (threatened). Also included are the Upper Willamette River Chinook (threatened), Upper Willamette River steelhead (threatened) and the Lower Columbia Steelhead (threatened). The impact of the listing of these species will affect regulated and non-regulated water related activities in the entire Puget Sound region and eastern Washington.

In 1999 the U.S. Fish and Wildlife Service (USFWS) listed the Bull Trout (Salvelinus confluentus), a member of the family of Salmonidae, as threatened under the Endangered Species Act (ESA). As with salmon, land and water management activities including dams, forest practices, livestock grazing, agriculture, and urbanization are among the contributing factors for the decline of the species.

[1] Washington's Water Quality management Plan to Control Nonpoint Source pollution, April 2000. Washington State Department of Ecology Publication 99-26.

The actions taken by NMFS and the USFWS have a significant impact on the protection of surface waters and the clean up of the state's 303(d) listed waterbodies. The listings have prompted increased attention to threatened waterbodies that are listed for contaminants that directly impact the ability of endangered species to migrate, spawn, and improve juvenile survival rates.

I.D. Loss of Wetlands/Wetland Degradation

Washington State is divided by the Cascade Mountains into two distinct regions, with a wide range of climatic conditions and a considerable diversity of geology, soils, vegetation, and waterbodies. The diverse geography produces a tremendous variety of wetland types in Washington.

In western Washington, many of the freshwater wetlands are associated with ponds, lakes, rivers, and other shorelines, but many more are isolated from other surface waters and owe their existence to groundwater discharge through springs, seeps, precipitation and localized surface runoff. The climate in eastern Washington and the presence of large tracts of irrigated agricultural lands give rise to a variety of permanent and intermittent streams and wetlands. These wetlands are more localized in their distribution, but are quite varied in terms of seasonality, chemistry, and plant species composition.

Combined, all wetlands and deep water habitats comprise about five percent of the land surface of the state; wetlands account for two percent and deepwater habitats make up three percent of this area.

Table 1: Wetland Type and Acreage in Washington

Wetland Type	Acreage in 1992[2]
Forested Wetlands	163,944
Scrub-shrub Wetlands	145,068
Emergent Wetlands	387,809
Estuarine Wetlands	210,889
Total Wetland Acreage	907,709

The total historical wetland acreage in Washington is estimated to have ranged from 1.17 to 1.53 million acres. Current estimates show that Washington has slightly more than 900,000 acres of wetland remaining. This is a 33 percent reduction from pre-settlement levels. Current estimates indicate Washington State is losing between 700 to 2,000 wetland acres per year. Seventy percent of the tidally influenced wetlands in Puget Sound have been lost due to diking, dredging, and filling activities. Urbanized wetlands in the same region have suffered losses ranging from 90 to 98 percent. Freshwater

[2] National Wetland Inventory Maps were digitized and converted to ARCInfo, Using Cowardin, et. al., 1992.

wetland loss estimates include Thurston county at 55 percent; Pierce County at 82 percent, and King County at 70 percent.

I.E. Aquatic Lands

Aquatic lands are managed for current and future citizens of the state to sustain long term ecosystem and economic viability and to ensure access to the aquatic lands and the benefits derived from them.

Washington's aquatic lands are rich in natural resources, and provide habitat for species of commercial, recreational, biotic, and aesthetic value. Aquatic lands are where clams, oysters, geoducks and other shellfish species live. Piers, docks, and marinas are built on aquatic lands.

The state of Washington manages over 2 million acres of state owned aquatic lands. The management responsibilities include all the bedlands of Puget Sound, navigable rivers, lakes, and other waters. It includes part of the state's tidelands that are lands covered and exposed by the tide and much of the shores and beds of navigable lakes and other fresh waters.

I.F. Shellfish Harvesting

Puget Sound is one of the most productive shellfish growing areas in the country. According to the Puget Sound Water Quality Action Team (PSAT), the commercial shellfish industry contributes to approximately $30 million annually to the Puget Sound economy. The value of shellfish, however, extends far beyond economic numbers. Shellfish are an integral part of the region's quality of life. More than 250,000 people harvest shellfish from the Sound's 1,300 public beaches each year[3].

Harvest restrictions are imposed when fecal coliform levels exceed standards set forth by the federal Food and Drug Administration (FDA). Fecal coliform is an indicator of potentially serious human health disease organisms. Most restrictions placed on harvesting shellfish occur in rural bays, usually as a result of the cumulative effects of point and nonpoint source pollution. Animal keeping practices, failing on-site septic systems, stormwater, sewage treatment plants, marinas and boats are all sources of fecal coliform bacteria.

In 2000 the Washington Department of Health (WDOH) approved 341.8 square miles of commercial and recreational shellfish areas for shellfish harvesting. Another 46.5 square miles have been conditionally approved while 104 squares miles have been classified as prohibited.

[3] Source: Puget Sound Water Quality Action Team

I.G. Habitat Study

Information from the Regional Environmental Monitoring Assessment Program (REMAP) report (Merritt, 1999)[4] was used to assess the designated use of wildlife habitat. Wildlife habitat is defined in the standards to include terrestrial habitat and aquatic habitat. In the REMAP report, a habitat quality score was assigned by combining five metrics. The habitat quality score represents the relative comparison to reference sites. Habitat quality scores were assessed for small streams in only one ecoregion. The REMAP project is a fairly new project and the assessments needed for the Section 305(b) report have not been fully developed yet.

Table 2: Habitat Assessment (miles)

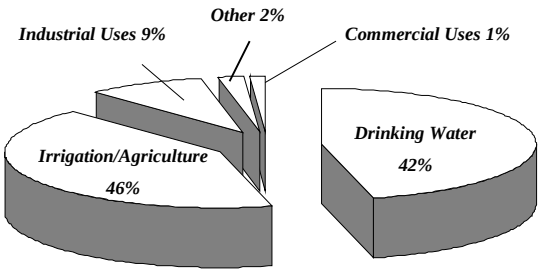
Use	Size Assessed	Size Fully Supporting	Size Partially Supporting	Size Not Supporting
Habitat	6,122.2	1,785.6	2,168.3	2,168.3

I.H. Groundwater

In Washington State, groundwater provides in excess of 65 percent of the drinking water consumed by its 5.6 million residents. Given the importance of groundwater to the public health and economic development of the state, it is vital that this precious resource be protected and managed for current and future beneficial uses.

There are approximately 16,000 groundwater dependent drinking water supply systems in the state. These systems constitute over 95 percent of the public water supply systems. Private well use is estimated at approximately 404,000 serving 1,000,000 residences located primarily in the rural areas of the state.

Figure 2: Groundwater Use in Washington State



[4] Biological Assessment of Small Streams in the Coast Range Ecoregion and the Yakima River Basin, February 1999. Washington State Department of Ecology Publication 99-302.

Groundwater contributes significantly to Washington State's surface waterbodies. It is estimated that baseflow contribution for Washington State's streams is 70 percent. Protection of the state's groundwater resources is vital in maintaining instream flows and water quality during summer months. A major concern for the state is the expected increased demand on groundwater as the population grows from current levels to an estimated 11 million by the year 2045.

Generally, groundwater quality in Washington State is good. However, there are several areas of degraded groundwater where beneficial use has been negatively impacted. These include areas of elevated nitrate within the Columbia Basin, elevated nitrate and ethylene dibromide (EDB) in Whatcom County, and trichloroethylene (TCE) and metals in areas of Clark County. Currently the state has identified 22 Comprehensive Environmental Response Compensation and Liability Act (CERCLA) sites, 10 Resource Conservation and Recovery Act (RCRA) corrective action sites, and over 100 sites currently being managed under the state's Model Toxic Control Act (MTCA).

Groundwater contamination due to nonpoint sources appears to be the most significant threat to groundwater quality. Nitrate contamination of the state's aquifers is the most widespread problem encountered to date. Statewide, violations of the 10 mg/l nitrate-nitrogen drinking water standard (public and private groundwater supplies) are estimated at 10-15 percent. In some widespread areas of the state, that number rises to 20-25 percent. A recently completed study by the WDOH in conjunction with the U.S. Geological Survey (USGS) indicated that of 1,326 Class A public water supply wells sampled, no violations of Maximum Contaminant Levels (MCLs) were detected for pesticides. Low levels of pesticides were detected in six percent of a subgroup of the 1,326 wells.

In March 1999 Governor Locke requested that Ecology and the WDOH produce a summary of statewide groundwater contamination. This summary describes and shows where chemical contaminants are known to be polluting or threatening drinking water at specific sites and across large regional areas in Washington State.

The report provides the most current information available about the status of cleanup or remediation at each site or area, and indicates the status of human exposure to the contaminated water. Because each contaminated site is different, health risks are assessed and follow-up actions are determined on a case by case basis.

This report solely addresses chemical contamination that affects or potentially affects drinking water sources; it does not include information about all groundwater contamination in Washington. In fact, it is likely that additional contaminated sites exist that have not been identified yet.

Area-Wide vs. Localized Contamination

Some chemical contaminants are found across entire regions. In particular, nitrates and arsenic are the state’s most troublesome regional contaminants. They are found in

various regions across the state and are typically widespread problems, not isolated to specific sites. Addressing these problems takes a multi-agency approach involving federal, state, and local governments. Local governments under the Groundwater Management Program (WAC 173-100) or more recently through the state's Watershed Assessment Plan (HB 2514) typically initiate these efforts. The WDOH is involved with any public water supplies that are affected, as well as providing data and supporting education and outreach to affected residents.

Contamination of groundwater by chemicals such as pesticides and industrial solvents usually is limited to a relatively small geographic area, and is not widespread. In these cases, Ecology leads efforts to identify contaminant sources and clean up the groundwater. The WDOH typically is involved if public water supplies are affected. The agency also aids in extending public water supplies to replace contaminated individual wells.

Area-Wide Contamination – Nitrates

Nitrate contamination of the state's aquifers is the most widespread problem encountered to date. The WDOH estimates 1.5 percent of public water systems exceed the 10 mg/l nitrate-nitrogen drinking water standard. Ecology estimates 5-10 percent of single family wells may exceed the nitrate standard. As many as 20-25 percent of the wells may exceed this standard in some areas. Sources of nitrates in drinking water include fertilizers, animal manure and septic systems. Nitrates usually affect shallow wells used by individual homes and very small public water systems.

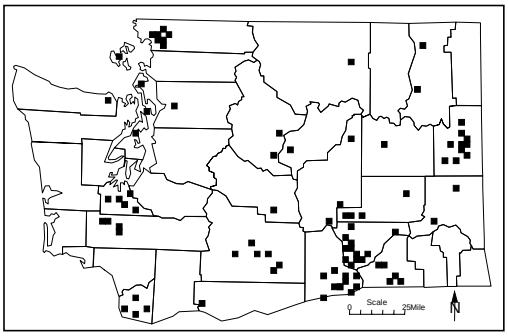
Health risks of elevated levels of nitrates are generally limited to infants less than one year old; who drink the water in formula and beverages. Nitrates can decrease the oxygen carrying capacity of the blood, which in severe cases can result in a rare condition called methemoglobinemia (blue baby syndrome). Symptoms include developing a bluish color, along with lethargy, vomiting and diarrhea. If not treated, it may lead to a failure to thrive, mental retardation or death.

Between 1988 and 1994, ten Washington children less than age one were hospitalized with methemoglobinemia. There are several causes of methemoglobinemia in addition to nitrates in drinking water, and the WDOH does not have the information necessary to understand the causes of these cases nor link them to drinking water.

Because nitrates in drinking water are so widespread, the WDOH has taken additional steps to address this problem, including:

- Giving information about nitrates in drinking water to pregnant women, parents of babies, and the health care providers who serve them. Some of these materials, are distributed through clinics, health care providers and local health jurisdictions.
- Developing new, more-effective enforcement strategies for small public water systems that violate the nitrate standards, were implemented in August 1999.
- Exploring options for statewide methemoglobinemia surveillance.

Figure 3: Public Water Supply Wells Exceeding 10 mg/l Nitrate 1996-1999



In addition, Ecology and the WDOH participated with other federal, state, and local agencies in forming a groundwater management area in the Columbia Basin. Adams, Grant and Franklin counties are most directly involved. Increased testing of individual wells has occurred, public information has been disseminated, and groundwater management strategies are being developed.

Ecology and the WDOH continue to work with the state's Interagency Groundwater Committee to address the statewide problem of nitrate contamination in groundwater.

Area-Wide Contamination - Arsenic

Arsenic is another source of regional groundwater contamination. It is a naturally occurring contaminant found in low levels in many areas across the state. It typically is a problem for individual well owners in certain geographic locations mainly within western Washington.

The current federal MCL for arsenic is 50 ppb (parts per billion). Washington State has set its groundwater quality criterion at .05 ppb. Under the current federal MCL, 23 public water systems have or currently violate the federal arsenic drinking water standard with greater than 200 systems having levels between 10 and 50 ppb[5]. Under the state groundwater standard, over 500 systems (both Class A and B) have or currently violate the .05 ppb criterion.

[5] Ecology report to Governor Locke on Statewide Groundwater Contamination, April 1999. Department of Health

Table 3: Statewide MCL Violations As Reported for Public Water Supply Wells October 1996 - October 1999[6]

Contaminant	MCL (mg/l)	Number of Violations	Total Wells Sampled	Percentage Violating MCL
Arsenic	.050	5[7]	1471	.340
Benzene	.005	3	1471	.200
Cadmium	.010	3	1471	.200
Carbon Tetrachloride	.005	6	1471	.410
1,2-Dichloroethane	.005	2	1471	.140
1,1-Dichloroethylene	.005	2	1471	.140
Fluoride	4.000	3	1471	.200
Lead	.050	7	1471	.480
Mercury	.002	1	1471	.070
Nitrate	> 5.000	423	1471	28.800
Nitrate	> 10.000	150	1471	10.200
Trichloroethylene	.005	29	1471	1.970
1,1,1-Trichloroethane	.200	23	1471	1.560
Vinyl Chloride	.002	4	1471	.270

Note: 364 detections of volatile organic compounds were reported during the three-year period. A majority of the detections did not violate MCLs

Arsenic problems in individual wells or small water systems are addressed at the local level by requiring testing for arsenic in known problem areas prior to issuing a building permit, by notifying consumers in areas of concern, and through increased testing and follow-up of new water sources and those found to have elevated arsenic.

The WDOH requires public water systems with arsenic levels above drinking water standards to discontinue use, provide alternative supplies, or blend contaminated water with other water that meets standards.

The best tool available to measure general groundwater quality is the WDOH's public water supply system database. Class A and B water systems are required to submit the results of water quality analysis on a routine basis as determined by rule or by the WDOH. Table 3 presents the MCL violations as reported to the WDOH for Class A and B water systems during the period between October 1996 and October 1999.

[6] Data obtained from Washington State Department of Health SADIE drinking water system database.

[7] Data only reflective of period 1996-1999, number referred to previously in report reflects both current and past violation. Past violations listed in database may still exist and are monitored outside of the 1996-1999 time period.

Site-Specific Contamination

The state currently has documented over 600 confirmed sites of groundwater contamination and over 400 additional suspected sites. Many of these sites do not currently endanger underground sources of drinking water. These sites are currently managed under state or federal hazardous waste and/or clean-up laws and regulations or under RCRA corrective actions. In the 1999 report to the Governor, Ecology and the WDOH listed 20 of the most critical, currently active sites in the state that involve endangerment of underground drinking water sources.

Table 4: Groundwater Drinking Water Supply Systems Impacted by Contamination

Facility	Description	Affected Population
Hamilton LaBree PCE, Lewis County	Perchloroethylene (PCE) present in groundwater, affecting a few small public water systems and private wells. Concentrations are as high as 3,000 ppb in drinking water supply and 60,000 ppb in groundwater.	One private residence. Two small public-water systems.
Yakima Railroad Area, Yakima, in Yakima County	The shallow groundwater aquifer is contaminated with PCE at concentrations that pose a health risk.	Approximately 1,200
Yakima and Union Gap incorporated and unincorporated areas, Yakima Co.	The shallow groundwater aquifer in these areas is contaminated with nitrates and volatile organic compounds, including PCE.	Approximately 300
Washington State University, Buckley Dairy, Pierce County	The site is a former hog-dipping operation. Results indicate substantial contamination of the pesticide toxafene migrating slowly off-site.	> 50
Skyline Water System, Grant County	Groundwater contamination was discovered when initial monitoring for volatile organic compounds (VOCs) occurred in 1988. The EPA is the lead agency. Contamination levels have gradually increased in both sources of the system.	50 - 100
Centralia (Eshom Well), Lewis County	A contaminant plume of PCE approximately 1.5 miles long was discovered through routine, required testing for volatile organic compounds.	130 private residences
Milton Dry Cleaners, Clark County	The Milton Dry Cleaners discharged waste to a septic drainfield. A few private wells were contaminated with concentrations of PCE above or close to the maximum limit.	Four private residences
Pasco Landfill, Franklin County	Several small domestic and small, public drinking water supplies were located in the low income, semi-rural East Lewis Street area of Pasco impacted by landfill. Several wells were found to be contaminated.	More than 100 residents at several homes.

Facility	Description	Affected Population
Palermo Well Field, Thurston County	This wellfield provides water for Tumwater and has been contaminated with PCE and TCE.	5000 - 6000 individuals
Boomsnub, Clark County	Metal plating waste threatens Vancouver water supply wells.	5000 - 10000 individuals
Colbert Landfill, Spokane County	Pollution from the old Colbert Landfill contaminated several public water system wells and many private wells.	1000 - 5000 individuals
Bethel Wells, Kitsap County (north of Port Orchard)	Several 50 year old abandoned underground tanks were not removed, and contaminated groundwater.	Three or four private residences
Bainbridge Island Landfill, Kitsap County	Vinyl chloride has been found in the aquifer and drinking water wells.	500 - 1000 individuals
J.H. Baxter & Company, Arlington, Snohomish County	Volatile organic compounds are in the drinking water aquifer, and they've been detected in the well of a nearby trailer park. Groundwater contaminated with pentachlorophenol (PCP) and dioxin via injection wells.	100 - 200 individuals
Frederickson, Pierce County	Industrial activity at the site resulted in carbon tetrachloride (an industrial cleaning solvent) contaminating groundwater and drinking water wells.	50 - 100 individuals
Fairchild Air Force Base Craig Road Landfill, Spokane County	Because of past practices, the Air Force tested the wells at an adjacent mobile home park, which were found to be contaminated with TCE at 80 ppb, 16 times the limit established in the federal Safe Drinking Water Act (SDWA).	100 - 400 individuals
Submarine Base Bangor Operable Unit 8, Kitsap County	The Bremerton-Kitsap County Health District identified VOCs, principally 1,2-DCA and benzene, at levels above maximum limits.	23 residences & one commercial property
Tacoma Landfill, Pierce County	A plume of VOCs from the landfill threatened off-site private wells.	50 - 100 individuals
Yakama Indian Reservation, Yakima County	There are a large number of confirmed and suspected contaminated sites on the reservation.	5000 - 10000 individuals

II. Current Management Structures to Address Water Quality Issues

II.A. Surface Water Point Source Pollution Control

Washington State has been issuing permits to wastewater surface water dischargers since 1973. The EPA delegated this authority to the state through the administration of the NPDES program. NPDES permits are required for anyone who discharges wastewater to, or has a significant potential to impact, surface waters of the state. State wastewater discharge permits are required of anyone who discharges waste materials from a commercial, industrial or municipal operation to the ground or to a publicly owned treatment plant.

Through the issuance of permits, Washington's goal is to maintain the highest purity of public waters by limiting pollutant discharges to the greatest extent possible. Four principles drive the Washington wastewater discharge permit program toward this goal:

- The discharge of pollutants is not a right. A permit is required to use the waters of the state, a public resource, for purposes of wastewater discharge.
- Permits limit the amount of pollutants to be discharged.
- Wastewater must be treated with all known available and reasonable prevention and control technology before it is discharged, regardless of the quality of water into which it is discharged.
- Discharge limits are set using technology based and water quality based standards. The more stringent of the two limits is always applied.

Ecology issues two different types of wastewater permits: individual and general. Individual permits cover single, specific facilities or activities like factories. General permits cover a category of similar dischargers.

Individual and general permits may be issued either as a state permit or as a NPDES permit. When discharges occur to surface waters, to groundwater, or to a treatment plant, the discharges are covered by a combined state/NPDES permit.

There are approximately 3,900 facilities and operations with discharge permits for process wastewater, stormwater, and non-contact cooling water in Washington State.

Water Quality Permit Life Cycle System

The state's Water Quality Permit Life Cycle System (WPLCS) is a computerized information system for wastewater discharge permits. It is designed to hold information on all aspects of the permit program. Data is entered monthly into the system by Ecology's regional permit managers and coordinators. Data in the WPLCS system includes:

- Facility ownership, location, type of discharge and location of discharge
- Permit application status, permit manager and other contacts

- Permit limits and requirements
- Fee information
- Monitoring results
- Compliance analysis
- Inspection results
- Other historical information

WPLCS is successfully being used to manage the permit system and produce useful reports on all aspects of the permit program.

Wastewater Discharge General Permits

Until 1993 wastewater discharge permits were issued on a case by case basis to individual dischargers. Issuing individual permits to each of the many dischargers in the state presented an administrative challenge that exceeded Ecology's resources. In order to tackle the permitting of dischargers not covered by existing individual permits, Ecology began issuing a single general permit that covered many similar dischargers or discharge activities.

General wastewater discharge permits cover multiple facilities within a defined category. A general permit category is made up of dischargers which:

- Have similar operations and wastewater streams
- Are regulated by similar legal requirements
- Are able to apply similar technology to control the types of pollution they generate

Using general permits allows Ecology to more efficiently design and issue effective permits for a greater number of dischargers. Since 1993, well over 2,500 previously unpermitted wastewater dischargers have been given coverage under general permits. Facilities covered under the seven existing general permits are as follows:

• Water Treatment	25
• Fresh Fruit Packers	225
• Sand and Gravel (aggregate)	843
• Industrial Stormwater	2,035
• Dairy Waste	95
• Fish Hatcheries	84
• Boatyards	111

Since the development of general permits, the number of individual permits has been reduced through conversion of individual coverage to general coverage.

Water Treatment General Permit

In 1997 Ecology issued a water treatment general permit which became effective on February 1, 1998. The water treatment general permit provides coverage for all water treatment plants that discharge backwash effluent to surface water and meet all of the following criteria:

- Produce potable water or industrial water where the treatment and distribution of water is the primary function of the facility.
- Use filtration processes to treat the wastewater.
- Have a maximum production capacity of 50,000 gallons per day or more of treated drinking water.

Fresh Fruit Packers General Permit

In 1994 Ecology issued a wastewater discharge general permit for the fresh fruit packing industry. The permit was recently renewed in July 1999. The permit covers hard or soft fruit packing plants or storage facilities statewide. Any fresh fruit packing or storage facility is eligible to apply.

Sand and Gravel General Permit

Another general permit developed in 1994 by Ecology and reissued in 1999 covers sand and gravel mines, rock quarries, clay mines, silica mines, diatomite mines, olivine mines, dolomite mines, and associated operations. Asphalt batch and concrete batch plant facilities including portable operations are also covered, whether or not they are located at a mine site. Process water, mine de-watering water, and stormwater discharges to both ground and surface waters are covered by the general permit. Some facilities may require a permit for stormwater only.

Process wastewater discharges from the diverse mining facilities covered by the permit have a similar potential to adversely affect ground and surface water quality. Pollution can result from the processing of mined materials, stormwater runoff, or discharge of mine de-watering water. Pollution associated with sand and gravel mining or related industrial activities includes pH extremes, dissolved solids, petroleum products, and turbidity.

Industrial Stormwater General Permit

In December 1992 Ecology issued an industrial stormwater general permit. The permit was renewed in November 1995. The permit regulates discharges of stormwater from industrial facilities and from construction sites that disturb five or more acres. The permit was issued to meet requirements of the federal CWA and regulations adopted by the EPA.

Stormwater is runoff from rainfall or snowmelt. Eleven categories of industries and construction site operations must obtain permits if they discharge stormwater either directly to surface waters, or indirectly, through a storm sewer. Among those categories listed are:

- Heavy and light manufacturing
- Mining, oil and gas extraction
- Hazardous waste treatment, storage, and disposal facilities
- Landfills
- Recycling operations
- Steam electric power plants
- Sewage treatment plants
- Construction sites that disturb five or more acres
- Transportation industry facilities with vehicle maintenance equipment maintenance or cleaning, or airport deicing facilities

All permittees are required to develop a Stormwater Pollution Prevention Plan and keep it at the facility at all times. Best management practices that are developed in the plans work to keep stormwater pollution from entering the surface waters of the state.

Dairy Waste General Permit

Ecology issued a statewide NPDES/state dairy waste general discharge permit in September 1994. The permit was recently re-issued on March 1, 2000. The permit satisfies requirements of the federal CWA, the Washington State Water Pollution Control Act (Chapter 90.48 RCW), and the 1998 Washington State Dairy Waste Management Act (Chapter 90.64 RCW).

The permit applies statewide to all dairy farms meeting the federal definition of a concentrated animal feeding operation. A permit is required for those farms causing pollution by discharging manure or contaminated wastewater directly to surface water. Discharges to groundwater are also regulated through the State Water Pollution Control Act (Chapter 90.48 RCW).

When a farm is issued a permit, a dairy nutrient management plan is developed within six months. An additional 18 months are allowed for plan implementation. Permitted farms that fully implement their nutrient management plan for 36 months may request a written exemption from the permit.

Fish Hatcheries General Permit

In 1990 Ecology issued the first general permit to facilities rearing finfish in upland areas. The permit was recently renewed in May 2000. The permit limits the amount of pollution that is discharged from the fish hatchery operations in the state. The hatchery feeding and operations produce wastewater, which is high in nutrients and can be harmful for fish, plants, and animals in the receiving water of the discharges. The new permit

requires less reporting and monitoring and is designed to reduce problems with interpreting the permit.

Boatyards General Permit

In 1992 Ecology issued a general permit to control stormwater and process wastewater discharges from boatyards. The permit was recently renewed in December 1997. The permit covers service businesses engaged in new construction or repair of small vessels less than 65 feet in length. This includes both mobile and fixed shoreline facilities, as well as haul out services or tidal grids used for cleaning or pressure washing with anti-fouling agents.

II.B. Surface Water Nonpoint Source Pollution Control

Washington's nonpoint source pollution control programs are outlined in the state's nonpoint source management plan[8]. The first nonpoint plan was adopted in 1987 and included a broad overview of programs and activities occurring around the state. This plan also included the first version of the state's 305(b) report.

An update to Washington's nonpoint plan was approved by the EPA in April 2000. This plan included a detailed review of the state's programs to control nonpoint pollution and a list of approximately 120 actions designed to improve the programs over the next ten years. In addition, the plan includes an appendix with information on each Water Resource Inventory Area (WRIA) in the state. This information includes land use, demographics and a description of types and sources of water quality impairment. A summary of major program elements cited in the plan follows.

Dairy Waste Management

In 1998 the Washington State Legislature enacted the State Dairy Nutrient Management Act (Chapter 90.64 RCW). This significantly changed the original 1993 Dairy Waste Management Act and how dairy waste is managed to protect water quality in Washington State. The primary features of the act are:

- Ecology is to conduct a registration process for all dairy farms every other year to develop baseline information on the status of the industry.
- Ecology is to inspect all dairy farms at least once between October 1, 1998, and October 1, 2000 for discharges of pollutants to surface and groundwater's of the state. Follow up inspections are to be conducted as necessary to maintain compliance.
- The Conservation Commission is to develop minimum elements for dairy nutrient management planning.
- Regional Technical Assistance Teams are to be formed to assist dairy farms developing and implementing Dairy Nutrient Management Plans (DNMP).

[8] Washington's Water Quality Management Plan to Control Nonpoint Source Pollution, April 2000. Washington State Department of Ecology publication 99-26.

- All dairy farms are to develop a DNMP and have it approved by their local conservation district by July 1, 2002.
- All dairy farms are to have their DNMP fully implemented by December 31, 2003.
- Ecology is to develop a database to track inspections, enforcement, permitting and the development and implementation of DNMP.

Timber, Fish, and Wildlife Agreement

The Timber Fish and Wildlife (TFW) agreement describes an historic shift in the way we manage natural resources, resolve problems and make changes on our future management. It provides the framework, procedures and requirements for successfully managing our state's forests so as to meet the needs of a viable timber industry and at the same time provide protection for our public resources; fish, wildlife and water, as well as the cultural/archaeological resources of Indian tribes within our state.

The agreement is a comprehensive series of recommendations intended to improve the conduct and regulation of forestry throughout the state of Washington. Implementation of the TFW agreement will requires changes in statutes, regulations, and management procedures, as well as cooperative efforts by forest landowners and various interested parties to carry out both the letter and the spirit of this new approach.

In 1999 the Forests and Fish Report was adopted by the Legislature and embodied in HB 2091. The Forest Practices Board was directed to develop new rules that codify the agreements in the report. Funding was provided for implementing the bill and incentives were provided to forest landowners. The Forests and Fish Report is part of the overall salmon recovery strategy for the state.

Comprehensive Watershed Planning

Water is our state's most valuable natural resource. Ample, clean water is vital to maintaining our most precious resource, the restoration and survival of our fisheries and for continued economic growth and development. However, our most valuable resource is threatened by pollution and over use. Water supplies in many areas of the state are overdrawn or dwindling rapidly. Increasing population growth is placing greater demands on our water resource.

In 1998 the Legislature passed the comprehensive Watershed Planning Act (WPA) (Chapter 90.82). The Bill provides a framework for developing local solutions to water issues on a watershed basis. Framed around WRIAs, the comprehensive watershed planning process is designed to allow local citizens and local governments to join with tribes to form watershed management planning units for developing watershed management plans. State agencies provide technical assistance and, if requested, serve on the planning units.

Planning units organized under the legislation are required to do a detailed assessment of the planning area's current water supply and uses, and recommend long-term strategies to

provide adequate water for fish and future growth. The planning units may also choose to develop strategies for improving water quality, for protecting or enhancing fish habitat, and, in collaboration with Ecology, may set minimum instream flows. The watershed planning units are currently addressing issues in 38 WRIAs. All are required to address water quantity for fish and future growth. Of these WRIAs, 11 are still in the startup phase, 22 will address water quality, 18 will address flows and 18 will address habitat.

Washington State Tribes

Under treaties signed with the federal government, many tribes in Washington State have retained rights to fish, hunt, and gather on and off reservation lands. These off reservation lands are considered the tribes' usual and accustomed lands. Thus, the tribes have direct management concerns with the preservation and maintenance of fisheries, wildlife habitat, and water quality in those off reservation ceded lands.

The state and federal agencies are bound under the supremacy clause of the Constitution of the United States, Article VI, clause two, to observe and carry out the provisions of the treaties of the United States.

Since there is a common concern of the tribes and agencies for the protection and preservation of the natural environment in Washington, a coordinated tribal water quality program was established and provides a way to manage water quality. Tribes are involved with TMDL studies, the federal CWA Section 303(d) listing process, and watershed planning at the local level.

The Agriculture Compliance Memorandum of Agreement

In September 1988 Ecology and the Washington Conservation Commission signed the Agriculture Compliance Memorandum of Agreement. The purpose of the agreement is to:

- Recognize the relationship between Conservation Districts, the Conservation Commission, and Ecology in protecting the quality of Washington State waters.
- Outline a process by which water quality complaints stemming from agricultural practices will be managed by conservation districts.

The agreement applies to all types of commercial agriculture except dairy farms. Dairy farm water quality issues are addressed under the 1998 Dairy Nutrient Management Act. All but one of Washington's 48 districts have formally entered into the agreement at a specific level of participation.

II.C. Salmon Protection

In May 1997 Governor Gary Locke and 13 agency heads signed a memorandum of agreement to establish a forum to serve as the formal and ongoing institutional framework to promote interagency communication, coordination, and policy direction on

environmental and natural resource issues. This forum was named the Joint Natural Resources Cabinet (JNRC or Joint Cabinet) and is chaired by the Governor's special assistant for natural resources.

As a way to bring together a wider forum to assist with the review and development of the three part effort to recover salmon, which includes the Statewide Salmon Recovery Strategy, state and federal budget proposals, and a comprehensive legislative package, the Government Council on Natural Resources (GCNR or government council) was developed. This group includes representation from the JNRC, the Legislature, tribes, cities, counties, federal government, and ports.

To assist the joint cabinet and government council in accomplishing their mission, the Governor's Salmon Recovery Office was established by the Legislature through the Salmon Recovery Planning Act (Engrossed Substitute House Bill 2496). The Governors Salmon Recovery Office's role is to coordinate and produce a statewide salmon strategy, assist in the development of regional salmon recovery plans, and submit the strategy and plans to the federal government. The office will also provide the biennial state of the salmon report to the Legislature.

Salmon Recovery Act

The Salmon Recovery Act (SRA) (Chapter 75.46 RCW) is also known as SB 5595. The intent of this legislation is to address salmonid habitat restoration in a coordinated manner and to develop a structure that allows for the coordinated delivery of federal, state, and local assistance to communities for habitat projects.

Under the SRA, a committee is formed involving all restoration interests. A limiting factor analysis is carried out with the assistance of state fish biologists. The committee is provided with the analysis and information related to fish distribution, habitat requirements and limitations, and instream flow data and recommendations. The committee uses this information to identify viable habitat restoration projects and potential funding sources. Next, a prioritization project list and a schedule intended to produce habitat capable of sustaining healthy salmon populations is developed. Schedules are to be updated on an annual basis, and projects may be added. Currently, there are 41 WRIAs involved in limiting factors analyses, anticipated for completion in 2001. Eleven areas have actually formed committees to undertake the full SRA process.

Local governments are working to coordinate the WPA and the SRA. The data and habitat information generated during the SRA process can provide baseline information to a WMA planning unit for the instream flow and optional habitat plans. The WMA is designed for the long-term watershed planning. The SRA is designed to see that habitat restoration funding is wisely spent.

Together, these two processes are the foundation of long term watershed planning in Washington. Both rely on local governments assuming responsibility for planning and action. Both bring together various levels of government, tribes, conservation or special

districts, nonprofit groups, citizens, and others. Both are funded through the Washington State Legislature. These are efforts that involve a major commitment from all the interests.

Statewide Strategy to Recover Salmon

In 1999 the JNRC released a complete working draft of *Extinction is Not an Option: A Statewide Strategy to Recover Salmon,* a guide for recovering salmon. The JNRC carefully listened to pubic comments on the strategy and indicated recommendations to improve our collective efforts to recover salmon.

The 1999 Washington State Legislature passed Senate Bill 5595, the Salmon Recovery Funding Act, which required the Governor to submit the strategy to the NMFS and the USFWS. The legislation also requires the Governor to begin revision of the strategy in September 2000 through public outreach efforts.

An early action plan has been developed which specifies activities related to salmon recovery that state agencies are undertaking in the 1999-2001 biennium. Also included are expected outcomes from those actions and performance measures. Many of the early actions are nonpoint source control activities. To ensure consistency between the Salmon Strategy and the Nonpoint Plan, we have incorporated 50 actions from the Salmon Strategy as recommendations in the Nonpoint plan.

Forests and Fish Report

In 1999 the Forests and Fish Report was adopted by the Legislature and is embodied in ESHB 2091. The Forests and Fish Report is the result of negotiations between landowners, federal and state agencies, local governments and tribes. It contains recommendations to enhance forest practices in the state to improve water quality and fish habitat. The Forests and Fish Report is part of the overall salmon recovery strategy for the state.

The Legislature enacted legislation, which requires the Forest Practices Board to adopt regulations consistent with the report. In addition, assurances have been received from the NMFS, the USFWS, and the EPA that the recommendations, if implemented, meet the requirements of the ESA and the federal CWA. The Forests and Fish Report addresses two key water quality concerns on forestlands.

The first key water quality concern, addressed in the Forests and Fish Report, is streamside management areas. Streamside management areas will be increased to include a 50 foot no touch zone where harvest will be prohibited, plus an inner and outer zone, which will allow some harvest. The goal of streamside management areas is to create riparian conditions that will meet the stand characteristics of a mature riparian forest at approximately 140 years of age. The attainment of resource objectives for fish bearing streams includes protections for stream temperature and for producing adequate levels of large woody debris and nutrients, such as detrital material, to meet habitat

objectives. The buffers will also reduce sediment and protect streambanks. These zones will be designated using a formula that is a function of the 100 year potential height of the resident forest, the width of the stream, and other ecosystem and site characteristics. The inner zone will allow some thinning of trees, and the outer zone will allow more significant harvest. Specific standards are established for western and eastern Washington.

Protection measures will also be provided to non-fish bearing streams as they are considered waters of the state and can deliver water, organic matter, and sediments to fish habitat. Non-fish streams will fall into two categories: perennial and seasonal. Perennial non-fish habitat streams will have a 50 foot wide no harvest buffer on each side of the stream for at least 50 percent of their length. The buffering could increase up to 100 percent where sensitive sites such as perennial seeps, springs, unstable inner gorge slopes, alluvial fans and perennial stream intersections occur. All sensitive sites will receive buffering to protect perennial waters and amphibian habitat. A 30 foot equipment limitation zone on each side will border any remaining perennial and all seasonal non-fish habitat streams. This zone is designed to preserve streambank vegetation, prevent bank erosion and significantly limit the potential for sediment delivery to the streams. The eastside non-fish habitat stream protection will be equal to the westside strategy but will allow for a continuous buffer for the entire stream length with limited entry.

The second key water quality concern addressed in the Forests and Fish Report is road plans. A road plan will be required of all major forest landholders in the state. The plan will identify and prioritize roads to be repaired and abandoned. Special emphasis will be on culvert replacement and proper abandonment of roads near or in riparian areas. Plans will also focus on future road development and methods to minimize road densities in forestlands. Timelines for repair and abandonment projects will be established in the plan, with annual reports submitted to the Washington Department of Natural Resources (WDNR). Buffering would also be required in sensitive, unstable areas such as springs and headwalls.

Additional efforts will be focused on identifying and protecting unstable slopes, improving classifications of and protection for streams including streams that have the potential for fish presence once the instream and habitat conditions have recovered, pesticide applications, wetland protections, watershed analysis, and development of alternate plans to provide resource protection equal to the standard Forests and Fish Report. In addition, the report recognizes that current scientific knowledge lacks answers to some water quality and fish habitat resource questions. Specific technical research projects are listed in the report and an adaptive management process is recommended for completing those projects. The process includes planning, budgeting, and project management along with technical and policy review and dispute resolution. The recommendations place final authority in the hands of the Forest Practices Board, with federal agency oversight to determine whether the board is responding to the new scientific findings.

II.D. Wetland Protection

Washington applies Section 401 certification to all appropriate federal permits and licenses. Washington does not have a 401 certification regulation. Guidelines and best professional judgment are used to set condition requirements. For wetlands, the primary permit for which the state applies 401 certification is the Section 404 permit administered by the U.S. Army Corps of Engineers. The state has worked closely with the Corps on developing regional conditions and state 401 conditions for the nationwide permits that minimize impacts to wetlands and provide for compensatory mitigation for all impacts over 1/3 acre.

The state has conducted an analysis of wetland compensatory mitigation to determine how effective compensatory mitigation is at replacing the functions that are lost when wetland impacts are permitted. Phase I evaluates whether mitigation projects were constructed and whether they are meeting required performance standards. If Phase II is funded, the state will evaluate how well mitigation activities are creating, restoring and enhancing functioning wetlands and attempt to determine what types of activities are most effective.

Wetland Restoration

Ecology's wetland river basin restoration initiative focuses on a coordinated approach to watershed planning and assessment for wetland restoration. Using public input and existing technical information, the program identifies wetland restoration sites that will contribute to solving identified problems within individual watersheds. The result is a Geographic Information System (GIS) and a database that indicates potential wetland restoration sites in a river basin and identifies the primary functions that will be increased if the wetland is restored. This process has been completed in the Stillaguamish and Nooksack River watersheds and has begun in the Snohomish River watershed. Additionally, technical assistance and training are provided to all individuals, organizations, local jurisdictions, and tribes interested in restoring wetlands.

Ecology, the EPA, and the USFWS have been working in concert with Snohomish County and the Washington State Department of Fish and Wildlife (WDFW) since 1992 to develop and implement the Spencer Island intertidal wetlands restoration project.

Recent work at Spencer Island intertidal wetlands restoration project has consisted of responding to an invasion of purple loosestrife. Ecology Conservation Corps conducted a manual removal in fall of 1998. This was followed by an Ecology meeting to mobilize local, state, and federal stakeholders in the lower Snohomish River to collectively address use of the bio-control beetle Galerucella to inoculate the entire drainage. The agencies have collectively proceeded on this path, which will take several years to determine success of the effort.

Additionally, a GIS assessment of vegetation changes on Spencer Island was conducted by Ecology. Significant changes in vegetation communities and species have been documented.

Wetland Preservation and the Open Space Taxation Act

Ecology has completed a wetlands stewardship directory containing summaries of stewardship programs for technical or financial assistance and a broad range of information about stewardship approaches such as use of conservation easement, and mutual covenants. This directory is intended as a reference for technical agents and provides a comprehensive reference of information to assist landowners with wetlands preservation and restoration actions. In 1999 this document was updated to incorporate new programs such as the Washington salmon recovery fund and watershed action grants.

The Washington's Open Space Taxation Act is a strategic watershed action tool. The act allows landowners to apply for property tax relief when they commit to retaining natural features and open space on their land in its undeveloped state. This program is significant in that it is a strictly voluntary, incentive based option that currently is available in all counties in Washington for watershed application.

Using Wetlands for Stormwater Control and Treatment

Amendments to Washington State's water quality standards include specific provisions for stormwater (Chapter 173-201A-160 WAC). These amendments have greatly improved the ability to ensure stormwater is treated and discharged in an appropriate fashion. Considerable information on preventing and treating stormwater runoff, using wetlands for stormwater treatment, and determining the appropriateness to include a wetland in a stormwater treatment system are now available.

II.E. Aquatic Lands / Shellfish Protection

Shellfish beds serve as a good indicator of the health of marine waters. Water pollution, development of shoreline areas, poor land use and failing septic systems all affect the health of shellfish beds.

Failing on site sewage systems and poor agricultural practices cause shellfish bed downgrades in many areas. Because of this, local governments play an important role in the management structure. Local health departments implement domestic sewage ordinances, provide technical and financial assistance to homeowners, inspect systems and enforce for compliance. Local health agencies cooperatively develop joint plans of operation with the WDOH to assess the health and sanitary status of recreational shellfish harvest beaches. Conservation districts work with farmers to install management practices that protect water quality.

Local governments receive funding for water quality programs that address land-use issues related to shellfish downgrades. The programs, which may also be partially funded by local utility revenues, primarily develop and implement locally developed watershed action plans to prevent pollution from nonpoint sources. Threats to shellfish resources are also addressed in the Stormwater and Combined Sewer Overflows Program.

Most tribes in the Puget Sound basin have treaty rights outlining their usual and accustomed shellfish harvest areas and are becoming more involved in protection efforts beyond reservation boundaries.

The 1987 Puget Sound Water Quality Management Plan called for expanding Ecology's existing shellfish program and integrating it with the nonpoint source pollution program. The plan also calls for improving the WDOH's monitoring program to test for paralytic shellfish poisoning, fecal coliform and toxicants at selected sites; developing a recreational shellfish program; annually inventorying contaminated beds; developing a fund assessment; and improving public involvement and education.

Revisions to the plan in 1989 and 1991 primarily called for ongoing implementation of the two main portions of the program: protecting commercial shellfish beds and implementing the recreational shellfish program. In addition, these revisions called for Ecology and the WDOH to develop a strategy to respond to shellfish bed downgrades.

Ecology, the WDOH, the WDNR, the DFW, the Washington Department of Agriculture, the Washington State Parks and Recreation Commission, local and tribal governments continue to work cooperatively and aggressively to protect and restore water quality in recreational and commercial shellfish areas. These efforts target priority watersheds in the Puget Sound basin with valuable recreational or commercial shellfish areas that currently meet, or could be expected to meet, state water quality standards but are threatened with contamination from existing or projected land and water uses. State funding and technical assistance are provided to local and tribal governments to develop and implement programs aimed primarily at preventing any degradation or downgrade in the classification of the Sound's threatened shellfish growing areas.

Shellfish Closure Response Plans

Washington State's Shellfish Restoration Program is a multi-agency protection effort guided by the WDOH in cooperation with Ecology, tribal governments, local health departments, conservation districts, and watershed management committees. Shoreline surveys and water quality monitoring studies are routinely conducted in shellfish areas to select restoration project areas.

The WDOH classifies and monitors commercial shellfish areas using standards and guidelines established by the FDA National Shellfish Sanitation Program. Whenever an area is re-certified or downgraded, the WDOH prepares a sanitary survey report detailing the shoreline and water quality conditions that have resulted in the reclassification. The report includes the criteria that have been set as the water quality goal for the area.

When an area classification is downgraded, the WDOH, Ecology, and the PSAT initiate a closure response process involving local governments, tribes, and other groups that can provide resources to solve the problem. A final Closure Response Plan includes the actions needed to identify the pollution sources, a schedule for implementing remedial actions, and the funding sources for these actions.

A shellfish area restoration project contains both public involvement and education elements. These elements are identified in the final closure response plan. They typically address on site sewage system maintenance or problems associated with agricultural practices.

As part of a restoration project, the WDOH conducts a monitoring program to track the results of the watershed remediation activities. Areas that have been successfully upgraded as a result of a restoration project are placed back on the commercial program monitoring schedule. In this program, water quality is monitored monthly for conditionally approved areas and bimonthly for restricted or approved areas.

II.F. Groundwater Protection

Recently, the state has had tremendous success in assisting local government in the development of locally driven groundwater protection programs or initiatives. As a result of this success, the state is now spending a majority of its groundwater resources in continuing to assist local government and interest groups in developing local groundwater protection plans which fall under established state law or regulation. It should be noted that these plans primarily address area wide groundwater concerns and do not normally address site-specific contamination. Site specific contamination, like that noted previously, are addressed through a variety of regulatory tools including RCRA corrective action, state clean-up regulations, CERCLA, and state groundwater quality regulations.

Table 5: Major Locally Driven Groundwater Protection Initiatives In Washington State

Initiative	Description
Groundwater Management Area	Blaine (Whatcom), Clark County (Clark), Clover-Chamber Creek Basin (Pierce), Columbia Basin (Adams, Grant, Franklin), Deer Park (Spokane), East King County (King), Gig Harbor Peninsula (Pierce), Island County (Island), Issaquah Creek Valley (King), Kitsap County (Kitsap), Methow River Basin (Okanogan), North Thurston County (Thurston), Redmond-Bear Creek (King), South King County (King), Vashon-Maury Islands (King), West Snohomish (Snohomish).

Initiative	Description
Critical Aquifer Recharge Area	All 39 counties and selected cities, and towns where a majority of public and private water supplies are groundwater derived.
2514 Watershed Planning[9]	Chamber-Clover (Pierce), Deschutes (Thurston), Elwah-Dungeness (Clallam), Entiat (Chelan), Grays-Elokoman/Cowlitz(Grays Harbor/Cowlitz), Lewis/Salmon-Washougal (Lewis/Clark), Little/Middle Spokane (Spokane), Lower/Upper Skagit-Samish (Skagit), Upper/Lower Yakima/Naches (Yakima, Kittitas), Methow (Okanogan), Moses Coulee/Foster (Grant), Nisqually (Thurston/Pierce), Nooksack (Whatcom), Pend Oreille (Pend Oreille), Quilcene-Snow (Jefferson), San Juan (San Juan), Skokomish-Dosewallips (Jefferson/Mason) Upper/Lower Chehalis (Lewis).

Added to the list of local initiatives, the state of Washington has three additional programs to be implemented on a statewide basis that will further protect groundwater quality. They are the Aquifer Vulnerability Project, the Water Quality Management Plan to Control Nonpoint Sources of Pollution, and the state's Source Water Protection Plan.

The Aquifer Vulnerability Project

The goal of the project is to rank soils by high, medium, and low susceptibility for use with the Pesticide State Management Plan (SMP). The project examines potential contaminant sources, groundwater quality, and the location of highly susceptible soils and shallow unconfined aquifers.

The project is currently in the third phase, which looks at susceptibility. The modeling software being used is Pesticide Assessment Tool for Rating Investigations Of Transport (PATRIOT), which is produced by the EPA with Aqua Terra consultants. PATRIOT contains information on rainfall, soil, pesticides and cropping practices, as well as groundwater databases and information on 32 types of crops. The groundwater database also contains seasonal variations. Cropping information may be put together down to the sub-county level. Other variables also include the wilting point; field capacity; organic carbon content; pesticide decay rate; irrigation moisture level; and day of pesticide application.

Output options include unit leaching analysis, area-weighted leaching analysis, and Monte Carlo simulation versus non-exceedence probability. Up to three of the Monte Carlo variables may be altered, from which a probability curve may be developed.

[9] 2514 is a watershed planning initiative passed by the Washington State Legislature in 1997. The primary focus is surface and groundwater quantity assessment and planning. The local governments listed in Table 5 have elected to include groundwater quality provisions in the planning process.

PATRIOT gives results by state, county, hydrologic unit code and major land use resource areas.

The Nonpoint Management Plan

Groundwater quality protection is an important element of the recently completed nonpoint source pollution management plan. Groundwater's linkage to existing nonpoint surface water quality protection initiatives is examined and potential methods for including groundwater quality concerns are proposed. Groundwater linkages to existing TMDL efforts under the federal CWA are included in the plan, and will become a substantial element in the state's water quality protection goals.

Source Water Protection Plan

Amendments in 1996 to the SDWA established a new section for source water quality assessments. States with Public Water Supply Supervision (PWSS) primacy shall submit source water assessment programs to the EPA for approval no later than 18 months after the EPA publishes guidance. A state program is automatically approved 9 months after submittal to the EPA unless the EPA disapproves the program. Washington State's program has been submitted to the EPA Region 10, pending approval is anticipated. To avoid duplication, assessments may make use of sanitary surveys, state wellhead protection programs, pesticide state management plans, state watershed initiatives including efforts under the Surface Water Treatment Rule, and efforts under the federal Water Pollution Control Act and the federal CWA. Groundwater concerns will provide a major element in the source water assessments submitted by the water system purveyors. Additionally, source water assessments will provide additional linkage between drinking water concerns, groundwater quality protection, and federal CWA issues.

II.G. Targeted Initiatives

River Basin Characterization

Ecology has developed a fundamentally new approach to evaluating the role of water in river basins in the Pacific Northwest. This new process was supported, in part, by the Washington State Department of Transportation and the WDFW and was designed to address the need for a basin level assessment tool to be used by state agencies and local communities to address salmon habitat, flooding, water use and water quality.

The characterization process seeks to better understand:

- Key basin processes
- Man made changes to those processes
- The extent of past changes
- The effects of future change
- Where preservation and restoration of basin processes have the best chance of success

The assessment carried out as part of the characterization is at a large scale and is meant to provide an overview and guidance to people attempting to address both sub-basin and site specific problems. It integrates watershed process calculations around the common theme that natural system processes create and maintain functions important to residents.

The outcomes of the characterization include:

- A picture of natural processes in the basin and how they have been altered.
- Sub-basins ranked by their potential for process alteration.
- Identification of multiple process problems.
- Recommendations for further activities.

The tool was developed in the Snohomish River Basin of western Washington. Local watershed groups are currently assessing how the information can be best put to use in the basin. Further refinement is underway, and testing in other parts of the state is planned before the process is made available for broader application.

Water Quality Plan of Action

These plans are a product of Ecology's five year, five step watershed approach to water quality management. During the first year of the five year cycle, Ecology staff work with local communities to develop a needs assessment for the management area. After some supporting studies and fieldwork, the plan of action is produced to address priority problems identified in the needs assessment. The Plan outlines long and short range needs and water quality strategies that Ecology and local entities will implement during the next five years, including TMDLs, as resources allow. It includes point source activities such as permit writing and issuance. It also includes nonpoint source activities such as providing technical assistance for implementation of BMPs or watershed plans, and participation on technical workgroups issues. It identifies success measures and designs follow-up monitoring.

Lake Restoration Projects

Washington has maintained a viable lake restoration program since 1976. All projects are initiated at the grass roots level and a public entity must serve as the local sponsor and provide 25 percent of the project cost. State funding has been provided to projects sponsored by state agencies, tribal and local governments, municipalities, and county governments.

Lake restoration projects are conducted by a community based interest group. A project begins with a physical, chemical, and biological characterization of the lake. Various lake restoration approaches are evaluated to determine which are most feasible for implementation. At the end of Phase I of a lake restoration project, the planning group recommends a restoration plan. The recommended strategy must result in meeting identified water quality goals. The lead agency must satisfactorily complete the State Environmental Policy Act (SEPA) process, including the public participation

requirements. Public input is solicited in a public meeting on water quality goals and acceptable alternative strategies.

Phase II consists of implementation of the restoration plan. After construction or implementation activities are complete, a minimum of two years of post restoration data is collected to evaluate the effectiveness of the chosen approach. In Phase II, the planning committee also develops a long-term watershed management plan to ensure that prevention and improvement efforts continue after a lake's restoration grants have finished.

Five years after implementation of the Phase II projects, lakes are eligible for phase three post restoration assessment funding. The purpose of these projects is to evaluate the effectiveness and longevity of the restoration efforts. Water quality in lakes has improved under lake restoration projects.

Table 6: Lake Rehabilitation Techniques

Rehabilitation Techniques	Number of Lakes Where Technique Has Been Used	Acres of Lakes Where Technique Has Been Used
In-Lake Treatments		
Phosphorus Precipitation/Inactivation	18	4,319
Sediment Removal/Dredging	8	5,688
Artificial Circulation to Increase Oxygen	0	0
Aquatic Macrophyte Harvesting	6	1,393
Application of Aquatic Plant Herbicides	3	669
Drawdown to Desiccate or Remove Macrophytes	3	1,765
Hypolimnetic Aeration	6	2,444
Sediment Oxidation	0	0
Hypolimnetic Withdrawl of Low DO in Water	1	103
Dilution/Flushing	8	11,037
Shading/Sediment Covers or Barriers	0	0
Destratification	0	0
Sand or Other Filters Used to Clarify Water	0	0
Food Chain Manipulation	0	0
Biological Controls	2	3,193
Other In-Lake Treatment		
Watershed Treatments		
Sediment Traps/Detention Basins	9	6,454
Shoreline Erosion Controls/Bank Stabilization	4	447
Diversion of Nutrient Rich In-Flow	4	274
Conservation Tillage Used	1	105
Integrated Pest Management Practices Applied	5	1,180
Animal Waste Management Practices Installed	6	3,224

Rehabilitation Techniques	Number of Lakes Where Technique Has Been Used	Acres of Lakes Where Technique Has Been Used
Porous Pavement Used	0	0
Redesign of Streets/Parking Lots to Reduce Runoff	0	0
Road or Skid Trail Management	5	11,212
Land Surface Roughening for Erosion Control	0	0
Riprapping Installed	0	0
Unspecified Type of BMPs Installed	0	0
Other Watershed Controls		
Other Lake Protection/Restoration Controls		
Local Lake Management Program In-place	61	44,284
Public Information/Education Program/Activities	64	44,458
Local Ordinances/Zoning/Regulations		

Table 7: List of Clean Lakes Program Projects Active During 1998 – 2000 Reporting Period

Name of Project	Type of Project [10]	Federal Funding ($)	Problems Addressed	Management Measures Proposed or Undertaken	Completed ? (Yes / No)
Beaver Lake [11]	Phase II	50,000	Stormwater	Public Education	No
Blackman Lake [12]	Phase II	4,500	Hobby Farms	Public Education	No

[10] Lake Water Quality Assessment (LWQA), Phase I, Phase II, or Phase III.
[11] Federal funds are federal CWA, Section 319
[12] Federal funds are federal CWA, Section 319

Coordinated Water System Plans

Coordinated Water System Plans serve to integrate water utility development with land use planning. The plan normally consists of two parts: individual water system plans for each water system within a critical water supply service area and an area wide supplement which addresses water system concerns pertaining to the area as a whole.

Source water protection plans are prepared by water purveyors to ensure that drinking water sources are protected from contaminants that could impact the safety of drinking water. Water systems are required to develop watershed control programs for surface water sources or wellhead protection programs for groundwater sources. Source water protection plans will help achieve drinking water quality objectives in basins identified as impaired. These plans are also part of the state's source water assessment program being developed in accordance with the EPA requirements.

Conservation plans document how purveyors intend to comply with the state's water conservation requirements. Conservation plans are developed to ensure efficient water use and adequate water rights for existing and future needs. They will be important vehicles for achieving water conservation objectives in those basins where ecological impairment criteria, such as declining fish stocks, are linked to insufficient in-stream flows.

Coordinated water system plans and water system plans are required to contain water demand forecasts and strategies for ensuring adequate water supplies to meet future needs. The strategies, developed to meet future needs of public water supplies, will have a direct impact on the quality of the aquatic resources in a given region.

Watershed Analysis

TFW, federal and state agencies, tribes, landowners, and environmental groups developed the watershed analysis to address the cumulative effects of forest practices on fish, water, and capital improvements. TFW cooperators conduct watershed analysis and evaluate forest practices as well as other land use activities. An interdisciplinary team made up of certified state, tribal, or private resources conducts each analysis. Certification requires a minimal level of education and field experience, and the completion of a weeklong training course.

The analysis uses various modules: mass wasting, surface erosion, hydrology, riparian, stream channel, fish habitat, water quality, water supply, and routing. The modules are then brought together, and prescriptions are developed and become tools for improvements leading to compliance with water quality standards. The WDNR enforces these prescriptions as conditions on forest practice permits, through road maintenance plans or other means. Where land use activities other than forest practices harm water quality, the information is forwarded to the appropriate agency.

Before beginning an analysis in a watershed, the WDNR tells landowners, tribes, agencies, and the public how they can participate or comment on drafts. The WDNR approves the prescriptions developed through watershed analysis after public comment through SEPA.

II.H. Environmental Monitoring

Fresh Water Monitoring

Ecology and its predecessor agencies have collected water quality samples from rivers and streams across the state since 1959. The goals of the program are to track water quality changes through long term sampling at selected freshwater stations. Samples are now collected monthly at 82 stations across the state; 62 of which are fixed, long term stations.[13]

Fresh Water Biological Monitoring and Habitat Characterization

Biological information is collected annually from rivers and streams throughout Washington State through both a long term biological assessment monitoring program[14], and an EPA supported regional bioassessment effort conducted as part of the REMAP program.[15] The primary objectives for these programs are to define and document baseline conditions of instream biology, and measure spatial and temporal variability of population and community attributes. Wadeable streams are surveyed for identification of degradation from characteristic land uses. Regional reference streams serve as controls for those suspected of suffering from some form of impairment. The focus of information collection involves aquatic insect surveys and characterization of instream and riparian physical features. Relationships between biological and physical characteristics of streams are intended for use in diagnosing degradation.

Although the collecting of biological samples has been the focus of this program, surface water chemistry and habitat have been characterized at each wadeable stream reach. To date, approximately 140 stream sites have been surveyed statewide. Data has been analyzed to identify regional patterns and describe biological expectations.

Important tools for interpreting biological information have been under development and are nearing completion. Ecology's Biological Monitoring Program has been collaborating with researchers to develop a model that characterizes the type and frequency of occurrence of benthic macroinvertebrate species in various stream types throughout the state. Charles Hawkins at Utah State University is directing the construction of predictive models under a United States Forest Service and EPA grant.

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[13] River and Stream Ambient Monitoring Report for Water year 1994, Washington State Department of Ecology publication 95-349.

[14] Ambient Monitoring Instream Biological Assessment: Progress Report of 1993 Pilot Study. Washington State Department of Ecology publication 95-333.

[15] Biological Assessment of Small Streams in the Coast Range Ecoregion and the Yakima River Basin. Washington State Department of Ecology publication 99-302.

The model is known as the River Invertebrate Predictive and Classification System (RIVPACS). An observed biological community from a site is compared with the expected condition and evaluated for membership to the reference stream set. Approximately 150 reference streams were monitored in 1998-1999 throughout Washington west of the Cascade Range. Seventy-five more sites are being monitored east of the Cascade Range during 2000-2001. These data sets are also being used to calibrate a set of biometrics so that we will be able to express community condition of sites using an Index of Biological Integrity.

Using integrated monitoring (chemical, physical, and biological information) helps determine type and source of degradation to streams. Each of these environmental components can alter the biological community when influenced by human activities. Therefore, identification of variable(s) that influence the biological community can be identified through a process of elimination

Whatcom Creek in the Nooksack Watershed and Boundary Creek in the Northern Olympic Peninsula are examples where biological monitoring and habitat assessments have been used successfully in evaluating damage to aquatic resources and measuring recovery. Whatcom Creek was damaged by a major explosion and subsequently contaminated by petroleum by products. A comparison of conditions from before and after the explosion revealed the type of physical and chemical damage that was limiting the reconstruction of the benthic macroinvertebrate community. Recently, Boundary Creek was the site of a major slope failure in which tons of soil were transported down the stream channel and scouring of substrate occurred to bedrock. Habitat assessments and biological monitoring helped determine the extent of stream degradation. Monitoring at both sites into the future will reveal whether benthic macroinvertebrate community development is limited more by chemical contamination or by habitat alteration.

A five year project was conducted by the WDNR to evaluate the effects of logging in the Loomis Forest located in the east Cascade range. The habitat data supplied enough information to identify key variables responsible for minor changes in the benthic macroinvertebrate communities. Overall, few immediate effects from logging were detected, but summer climate differences among years had an indirect effect on development of the benthic macroinvertebrate communities.

Marine Monitoring

Western Washington's landscape is defined and characterized by the estuaries in Puget Sound. Estuaries are some of the most productive ecosystems in the world, supporting diverse populations of plants and animals.

The goals of Ecology's marine water monitoring program are to:

- Characterize ambient water quality conditions in the marine waters of Puget Sound, Grays Harbor, and Willapa Bay.
- Identify significant changes in key environmental indicators throughout the marine waters of the state.
- Provide water quality information to support specific Ecology programs, other agencies, and projects identified in the 1991 Puget Sound Water Quality Management Plan.
- Determine the effectiveness of regulations to improve marine water quality.
- Support environmental research activities through the availability of consistent, scientific and statistically valid data.
- Provide baseline water quality data to the public, local, state, and federal agencies, private institutions and other data users.

Ecology also monitors sediment conditions in Puget Sound as part of the multi-agency Puget Sound Ambient Monitoring Program (PSAMP). Our sediment-monitoring program is designed to be a long-term program to characterize changes in the baseline chemical, biological, and toxicological condition of sediments throughout Puget Sound.[16]

Citizens Volunteer Lake Monitoring

In Washington State, lakes are primarily monitored by a team of citizen volunteers supplemented with data collected by Ecology staff. These volunteers measure water clarity and water temperature and record general observations every two weeks from mid-May to mid-October.[17]

Ecology staff visit a smaller set of lakes to collect chemistry and profile samples for a more detailed assessment of the lakes. These data are summarized annually by Ecology and compiled biennially for the 305(b) report. The goals of the monitoring program are to:

- Rank lakes that have water quality problems.
- Assess the productivity of monitored lakes.
- Promote public awareness of lake processes and lake protection.

[16] Marine Water Column Ambient Monitoring Program: Data Report, 1993. Washington State Department of Ecology publication 94-210.

[17] Statewide Water Quality Assessment of Lakes, 1994. Washington State Department of Ecology publication 95-311.

II.I. Financing Water Quality Activities

The Water Quality Account

The Washington State Legislature established the Water Quality Account in 1986. The purpose of the account is to provide local governments, tribes, and state agencies with technical and financial assistance to protect and improve the quality of water in the state. (Chapter 70.146 RCW)

The enabling statute directs that $45 million a year should be deposited into the Water Quality Account. Approximately $27.8 million comes from the tax on tobacco products each year. The balance comes from the state's general fund, although in recent years these monies have not been appropriated.

Most of the funds are passed to local government through the Centennial Clean Water Fund grant and loan program. Below is a breakdown of the distribution of funds from the account for the 1999-2001 biennium:

- $3.9 million for the administration of grants and loans by Ecology and to provide technical assistance to grant and loan recipients.
- $23.4 million for grants and loans for water quality implementation and planning.
- $15 million for the extended grant payment to King County (Metro) for the West Point Wastewater Treatment Plant.
- $10 million for an extended grant payment to Spokane to protect the Spokane-Rathdrum Prairie Aquifer.
- $3.6 million for a grant to the city of Connell for the construction of a wastewater treatment plant.
- $11.6 million to the WDOH, the WDNR and the Conservation Commission.
- $0.7 million to the Puget Sound Water Quality Authority for Public Information and Education grants.
- $16.35 million for the state to match federal capitalization grants for the state revolving fund program that get passed on to local government to finance water quality protection and improvement projects.

State Revolving Fund

The Washington State Revolving Fund (SRF) provides low interest loans to public bodies for high priority water quality needs. In the federal CWA Amendments of 1987, Congress responded to shrinking federal funds by phasing the construction grants program into the SRF program. Loan payments and interest are the sole source of revenue for the SRF. As loans are repaid, those dollars are available for additional projects. This approach ensures that funding is available in perpetuity for water quality needs of future generations. To date, the SRF has received $295 million from the EPA through congressional appropriations. The state's Water Quality Account has provided $59 million in matching funds.

Wastewater Discharge Permit Fees

Ecology has charged fees to cover the administration of wastewater discharge permits since 1989. Historically, the administration of wastewater discharge permits was funded from the state general fund and federal grants.

In 1988 the Washington State Legislature passed a bill requiring Ecology to establish a fee system to partially fund permits. The bill was written to decrease pressure on the general fund and to strengthen water quality protection in the state.

Shortly after the bill passed, citizen's Initiative 97 was passed by voters requiring full funding of permit administration through annual fees. Each biennium, the Legislature establishes a fee appropriation level and Ecology adopts a corresponding fee schedule by rule to recover expenses for permit activities. Ecology then collects the fees from permitted dischargers.

Activities that are funded with permit fees include administration of permit applications, permit issuance and appeals, inspections, engineering, data and information management, and pretreatment. Enforcement activities are not paid for with permit fees. They are funded from the state general fund.

Ecology prepares a report to the Legislature every biennium detailing the fee revenues and expenditures for that period. During the 1997 – 1999 biennium, the appropriation level established by the Legislature to pay for the permit administration was $21 million.

Lake Restoration Funding

Congress amended the federal CWA in 1987 to establish the Section 319 Nonpoint Point Source (NPS) Management Program because it recognized the need for greater federal leadership to help focus state and local NPS control efforts. Under Section 319, states, territories and tribes, hereinafter referred to as states, follow a two step process to qualify for grant money. First, states must complete a NPS assessment report, identifying NPS water quality problems. Second, states develop NPS management programs describing what they are going to do about their nonpoint water quality problems. Ecology last updated their nonpoint source management plan in April 2000.

Lake restoration is the protection and enhancement of water quality of lakes. Lake water quality problems cause reductions in aesthetic, recreation and habitat values. Toxic blue-green algae blooms can cause recreation closures and noxious odors. Low dissolved oxygen levels can kill fish and other aquatic life.

These water quality problems are nearly always caused by excessive dissolved nutrients such as nitrogen and phosphorus. Excessive phosphorus, which is nearly always the problem nutrient, comes from nonpoint sources of pollution (i.e., nearby septic systems, runoff from pavement, roofs, lawns and construction sites, forest practices, farms, and natural conditions).

Ecology manages grants and loans that are available to restore publicly owned and accessed lakes. Recipients of funding include cities, counties, and state agencies. From 1998 through 1999, $597,332 in grants and loans were offered (grant and loan requests totaled $2,023,907) to improve water quality in Washington State lakes. $4,500 was awarded through the 319 program. Congress currently has not authorized funds for the Clean Lakes Program under the federal CWA.

Aquatic Weed Management Fund

Invasive, non-native aquatic plants are a serious threat to the health of lakes, rivers, and streams throughout the state. Excessive weed growth impairs fish and wildlife habitat and restricts recreational activities. Traditionally, residents and property owners have borne the high costs of controlling these plants.

The Legislature established the Freshwater Aquatic Weeds Account to provide financial and technical support to address problems on a statewide level. This account provides funding for technical assistance, public education, and grants to help control aquatic weeds. Revenue for the account comes from a $3 increase in annual license fees for boat trailers.

Grants are provided for projects that prevent and/or control freshwater, invasive, non-native aquatic plants. The types of activities funded include planning, education, monitoring, implementation, pilot/demonstration projects, surveillance and mapping projects. For the fiscal year 2000-2001, legislation has appropriated $1,300,000 to manage the problems caused by freshwater weeds in Washington's waters.

III. Clean Water Act, Section 303(d) Reporting Specifics

III.A. Section 303(d) List of Impaired Waterbodies

Section 303(d) of the federal CWA requires states to identify and report to the EPA, every two years, all waterbodies not expected to meet state surface water quality standards after using technology based controls. This report is referred to as the Section 303(d) list of impaired waterbodies.

Ecology submitted its candidate 1998 Section 303(d) list of impaired waterbodies to the EPA on June 29, 1998. On August 26, 1999, Ecology received a partial approval/disapproval letter from the EPA in response to the list. The EPA approved the list that Ecology submitted and proposed adding an additional 130 waterbody/parameter combinations to the list. On January 28, 2000, the EPA transmitted their final response to Ecology. As a result of the EPA's action, 116 new waterbody/parameter combinations were added to the list.

The final 1998 Section 303(d) list identifies 643 impaired and threatened waterbodies and the type of pollution they suffer from. This list may be found at Ecology's water quality web site.

III.B. Section 303(d) Total Maximum Daily Loads

Waterbodies on the Section 303(d) list are selected and prioritized for further studies within Ecology's water quality management areas. These studies are referred to as TMDL determinations. TMDL studies include a problem formulation and an analysis on how to meet water quality standards. They have five main components:

- Identification of the type, amounts, and sources of water pollution in a particular waterbody or segment.
- Determination of the capacity of the waterbody to assimilate pollution and still remain healthy.
- Allocation of how much pollution each source may discharge.
- A strategy to attain the allocations.
- A monitoring plan to assess effectiveness.

Strategies may include setting permit limits and recommending BMPs such as fencing, planting trees, and ensuring buffers next to streams.

TMDLs are used to control the discharge of pollutants to surface waters and still maintain water quality. When a technology based pollution control, such as secondary treatment of a wastewater discharge, does not adequately protect water quality, the federal CWA requires states to set limits on the amounts of pollutants that the waterbody can receive from all pollution sources and still remain healthy.

TMDLs are implemented through conditions set in discharge permits and nonpoint source management plans. These TMDL control actions are developed through a public involvement process prescribed by federal regulations. All TMDLs also have a monitoring plan designed to test the effectiveness of the control action for meeting water quality standards.

IV. Clean Water Act, Section 305(b) Reporting Specifics

IV.A. Statewide Water Quality Assessment

Ecology is required by the federal CWA, section 305(b) to assess the quality of the states surface waters. The section 305(b) report assesses beneficial uses as per the State Water Quality Standards, the causes and sources of impairment and the pollutants present according to the EPA's 305(b) reporting guidelines.

IV.B. Assessment of Specific Uses

State water quality standards are used to categorize waterbodies as fully, partially or not supporting specific designated uses based on the number of times an appropriate criterion is exceeded. These determinations consider criteria for chemical, physical, biological, toxicological or habitat parameters that have been established to provide a level of water quality that supports designated uses. These criteria are either shown numerically or in the form of a narrative statement.

Designated use support status is determined for entire waterbodies or portions of waterbodies based on the amount of area represented by monitoring data or other evaluation criteria. Area representation of sampling stations is determined by Ecology guidelines or best professional judgment. In many cases, different portions of a waterbody support different uses. In certain cases where information is not available to determine the limits of impaired areas, the entire waterbody is considered impaired.

The EPA guidance for the 305(b) report defines use support according to the percentage of data exceeding the criterion. The EPA defines uses as fully supporting if 10 percent or less of the data exceed the criterion, partially supporting if between 11-25 percent of the data exceed the criterion and not supporting if there is an exceedance rate greater than 25 percent.

Aquatic Life and Contact Recreation Uses

The EPA guidelines outline aquatic life use as the result of physical, chemical, biological, toxicological and habitat information. Aquatic life use support assessments are a compilation of the assessments of related individual designated uses classified in the state water quality standards. Contact recreational uses are based on state criteria for bacteriological indicators.

Shellfish Harvesting Use

The WDOH commercial and recreational shellfish classification inventory was used to assess shellfish harvesting. Classified areas were assessed from the WDOH 2000 shellfish inventory report. Some areas are classified based on assumed risk and not sanitary surveys. Assessments were not made for unclassified areas.

Approved commercial shellfish areas and open recreational shellfish beaches were assessed as good for the support of the shellfish harvest use. Restricted and conditionally approved commercial shellfish areas and conditional recreational shellfish beaches were assessed as fair for the support of the shellfish harvest use. Prohibited commercial shellfish areas and closed recreational shellfish beaches were assessed as poor for the support of the shellfish harvesting use. Harvesting restriction due to biotoxins were not included in the assessment since these are not likely human caused impairments.

Aesthetic Enjoyment Use

The characteristic use most directly related to trophic status of lakes is aesthetic enjoyment. This use is highly valued laden and therefore difficult to assess. To derive an assessment, the assumption is made that at least some of a lake's users would find a eutrophic lake aesthetically impaired and that most users would find a hyper-eutrophic lake impaired.

Mesotrophic and Oligiotrophic lakes were assessed as having good support of aesthetic enjoyment. Eutrophic lakes were assessed as having fair support of aesthetic enjoyment. Lakes with trophic state index values between eutrophic and Mesotrophic status were assessed at the higher trophic level and considered fully supporting aesthetic enjoyment use. Hypereutrophic lakes were assessed as not supporting aesthetic enjoyment use.

Wildlife Habitat Use

Information from the REMAP report (Merritt, 1999) was used to assess the designated use of wildlife habitat. Wildlife habitat is defined in the standards to include terrestrial habitat and aquatic habitat. In the REMAP report, a habitat quality score was assigned by combining five metrics. The habitat quality score represents the relative comparison to reference sites. Habitat quality scores were assessed for small streams in only one ecoregion. The REMAP project is a fairly new project and the assessments needed for the Section 305(b) report have not been fully developed yet.

Fish Consumption Use

The criteria from the National Toxics Rule (40 CFR 131) was used with metals data collected by Ecology Ambient Monitoring Program to assess the safety of fish consumption. The criteria specified for a one-per-million carcinogenic risk to human health for the consumption of organisms was used.

IV.C. Causes and Sources of Designated Use Impairment

Causes are described as one of twenty-seven categories used by the EPA for the national report, depending on the parameter exceeding the criteria. The pollution sources are described as one of ten categories now used by the EPA for the national report. A description of the EPA pollution source categories appears in the table below.

Possible pollution sources were identified by the best professional judgement of staff from Ecology's regional offices. Regional office staff have the best local knowledge of impacts to water quality. Stations for which no judgement was made were identified as unknown sources for the statewide extrapolation of sample data.

Causes and pollution sources for assessed waterbodies that did not fully support their designated uses were categorized according to the EPA definitions. Both the causes and the sources are identified for each station assessed with use impairment. No causes or sources were identified for waters fully supporting their uses.

Table 8: Description of the EPA Pollution Source Categories

Source Category	Description of Sources
Industrial Point Sources	NPDES permitted discharge of industrial wastewater
Municipal Point Sources	NPDES permitted discharge of domestic wastewater
Combined Sewer Overflows	Sanitary sewer overflows due to excessive stormwater infiltrating the system
Stormwater Runoff	Runoff from urbanized areas
Septic Tanks	On-site sanitary wastewater treatment systems
Agriculture	Crop production; pasture land, feedlots, aquaculture, animal holding and management areas, manure lagoons, etc.
Silviculture (Forest Practices)	Harvesting, restoration, residue management, forests management, road construction and maintenance, etc.
Construction	Highway, road, or bridge building land development, etc.
Resource Extraction	Surface mining, mine tailings, etc.
Land Disposal	Wastewater land application, landfills, hazardous waste, etc.
Hydromodification	Channelization, dredging, dam construction, flow regulation or modification, removal of riparian vegetation, streambank modification or destabilization, draining or filling of wetlands, etc.
Other Sources	Storage tank leaks, spills, in place contaminants, recreational activities, upstream impoundment, etc.
Natural Sources	Use impairment is not human caused. For example, surface heating in estuaries resulting from solar radiation can cause exceedance of temperature criteria.
Unknown Sources	A pollution source could not be identified

Table 9: Possible Pollution Source of Impairment of Assessed Waters (%)

Source Category	Streams	Estuaries	Lakes
Industrial Point Sources	2	8	0
Municipal Point Sources	6	14	1
Combined Sewer Overflows	1	4	0
Stormwater Runoff	6	4	4
Septic Tanks	9	3	1
Agriculture	30	13	6
Silviculture (Forest Practices)	4	0	0
Construction	4	0	0
Resource Extraction	3	0	0
Land Disposal	1	3	0
Hydromodification	18	0	1
Other Sources	2	2	3
Natural Sources	10	36	7
Unknown Sources	4	4	77

Table 10: Causes of Use Impairment to Rivers and Streams (%)

	Temperature	Dissolved Oxygen	pH	Fecal Coliform	Metals
Total Percentage	42	9	22	18	9

Table 11: Causes of Use Impairment to Estuaries (%)

	Temperature	Dissolved Oxygen	pH	Fecal Coliform
Total Percentage	35	39	23	3

Table 12: Causes of Use Impairment to Lakes (%)

	Nutrients
Total Percentage	38

IV.D. Ecoregion Stratification as Defined by The EPA

Stratification

Ecoregion 1	Coast Range
Ecoregion 2	Puget Lowlands
Ecoregion 3	Willamette Valley (Clark County Area)
Ecoregion 4	Cascades (includes the Olympic Mountains)
Ecoregion 6	East Cascades and Foothills
Ecoregion 7	Columbia Basin
Ecoregion 8	Northern Rockies (Pend Oreille County Area)
Ecoregion 9	Blue Mountains (Asotin County Area)

Within each ecoregion, streams were further stratified into the following subpopulations:

- Small streams were defined as those reaches that are in the coverage as a single line.
- Large streams were defined as those reaches that are shown with double-banked cartographic features in the Washington Rivers Information System (WARIS) GIS coverage.

Within each ecoregion, lakes were further stratified into the following subpopulations:

- Small lakes are defined as lakes less than 20 acres in size measured from the WARIS GIS coverage.
- Medium lakes are defined as lakes between 20 and 100 acres in size.
- Large lakes are defined as lakes over 100 acres in size.

Within each ecoregion, estuary areas were stratified into the following subpopulations:

- Deep, well-mixed open water areas.
- Somewhat protected channels and passages.
- Bays, inlets and harbors.

Estuary strata were defined using the existing waterbody identification boundaries and the judgement of Ecology's marine ambient monitoring staff. Waters overlying shallower depths were included in the stratum of water contiguous to it. No separate stratum were made for shallower shoreline areas adjacent to deep water with monitored stations.

IV.E. Monitoring Design and Data Selection

Monitoring Design

Differences in assessments can be due to differences in monitoring design and not environmental conditions. The data selected for use in the Section 305(b) report were selected because they best suited the monitoring design requirements of the state's 305(b) report. All available data was not used to prepare the 305(b) report assessments because

of the biases that some monitoring designs created. Non-random monitoring designs are an example of this.

The bias introduced by a non-random monitoring design can have a great effect on the statewide determination of use impairments for the 305(b) report. This bias occurs when data specifically sampled to characterize and identify known problems are used for the assessment. For example, data submitted as part of the Section 303(d) listing process only includes data with violations of standards. Data from the same survey showing no violations of standards, may not have been submitted. This results in reporting on impaired waters only and not on all sampled waters.

Another type of bias introduced by a monitoring design is sampling season and frequency. Some monitoring designs characterize critical seasons. Other monitoring designs evaluate seasonal difference or long-term trends. By addressing the monitoring design and assessment methods, a much more accurate and less-biased estimate of statewide conditions is possible. For Section 305(b) reporting purposes, data assessments were completed using data from random design surveys where possible.

Data Selection

Stations from Ecology's Ambient Monitoring Program were selected for use in the assessment of streams and estuaries. Ecology's ambient monitoring data were used because the stations are generally selected to characterize an area, instead of being selected to further characterize a known problem. These stations are also sampled monthly year round, so that seasonal bias is not introduced. Only stations with at least nine months of a year of data sampled at the same frequency were used to reduce possible biases.

The lakes data used for the assessments were selected since they were not designed to specifically identify problems, but to monitor a range of lake trophic states across the state. Very few widespread lake surveys have been conducted in the state. In order to obtain a larger sample size for extrapolation, data from some historical reports were used.

The WDOH 2000 shellfish commercial classification inventory was used to assess shellfish harvesting. Sampling conducted for this inventory does not focus on problem areas, but assesses all areas where shellfish harvesting is important. Therefore, the inventory represents a balance of areas that are impaired with areas that are fully supporting the use. No assessment will be made to areas not classified.

Water quality data collected as part of the REMAP project was assessed for the wildlife habitat use. Only those eight stations that were sampled more than four times were used for the assessment. Samples were collected in the seasonal period from May through October. These stations only represent the small stream stratum in the Coast Range Ecoregion.

The following data sources were used for the assessment:

- Ecology's Ambient Monitoring Program freshwater data from 1991-1998
- Ecology's Ambient Monitoring Program marine water data from 1991-1998
- REMAP Report: Biological Assessment of Small Streams in the Coast Range Ecoregion and the Yakima River Basin (Merritt, 1999)
- Ecology's Lake Water Quality Assessment Program updates from 1995 - 1998
- EPA Report: Western Lakes Survey Phase 1 - Characteristics of Lakes in the Western United States (January 1987)
- WDOH's Annual Inventory of Commercial & Recreational Shellfish Areas (2000)
- USGS Reports: Trophic Classification of Washington Lakes using Reconnaissance Data (Water Supply Bulletin 57, 1985 and Water Supply Bulletin 43, 1976)

V. State Water Quality Assessments

The following state water quality assessment is being presented in two parts. Two different assessment methods were used for the purpose of maintaining consistency and evaluating trends. The first method provides water quality information based on a census survey approach. The census survey approach presents results based on data collected on specific waterbodies and on the use attainment assigned to those waters. This assessment combines data and assesses only a small portion of the state's waters.

The second method uses the sample survey approach. Sample surveys are intended to produce an assessment of the condition of the entire resource when that resource cannot be subject to a complete survey. This approach presents the conditions of the state's water quality by estimating the total use support from a monitored subset. The EPA guidance for the section 305(b) assessment allows for the use of the sample survey approach to estimate statewide numbers for the 305(b) report.

The sample survey approach applies to two types of monitoring designs. Both types of monitoring designs use a stratified sampling method so that inferences can be made about waters where data does not exist. The first type of monitoring design is the random sampling design. Stations are selected with a statistically random method within each stratum. Randomization in the site selection process is the only way to assure that sites are selected without bias. This method is known as a probability based design.

The random sampling design has three elements:

1. Every possible station (population) has a known probability of being selected for monitoring (sample).
2. The set of stations monitored (sample) is drawn by some method of random selection, or a systematic selection with a random start.
3. Estimates are made about the population from the sample.

The second monitoring design is the judgmental design. Judgmental selection of a site is based on the best professional judgement of the monitoring agency. Each site is selected based on the judgement that it is representative of the target resource (subpopulation of waters). This method assumes that the stations selected represent all waters in a similar subpopulation (stratum). Stations from an existing sampling network are reviewed individually to determine the reasons why the locations were selected. Stations that were located based on the identification of specific problems, like downstream of a specific discharge, are not used in the assessment to represent other waters with similar characteristics.

The sample survey approach infers statewide estimates. Statewide estimates of water quality conditions were estimated by use of the proportion of stations assessed for each stratum. These proportions were then applied to the total size of the stratum derived from GIS analysis. Assessments were then extrapolated for individual use support.

Below is a stepwise example of how an assessment was used to infer a statewide estimate using the example stratum of large streams in the Puget Lowlands ecoregion.

Step 1. Measure total population size of stratum - Using GIS, intersect the ecoregion boundary and double-banked stream polygons with coverage hydro layer. Sum the linear miles. Assume 397 miles for example.

Step 2. Assess data from stations in stratum using the EPA guidelines. Assume nine stations out of 19 sampled are fully supporting uses.

Step 3. Extrapolate assessment to stratum population using the proportion represented by the assessed stations. The example data would estimate 47 percent or 188 miles are fully supporting uses.

Step 4. Estimate statewide assessments for streams, lakes, and estuaries by summing estimates for all strata.

V.A. Census Survey Results

Table 13: Summary of Fully Supporting and Impaired Rivers and Streams Census Survey (miles)

Degree of Use Support	Total Assessed Size
Size Fully Supporting All Assessed Uses	1,467.5
Size Partly Supporting All Assessed Uses	864.1
Size Not Supporting all Assessed Uses	982.7
Total Size of Waters Assessed	3,314.3

Note: Total size of streams obtained from data submittals.

Table 14: Individual Rivers and Streams Use Support Summary Census Survey (miles)

Use	Size Assessed	Size Fully Supporting	Size Partially Supporting	Size Not Supporting
Aquatic Life	3,314.3	1,827.9	974.3	512.2
Salmon Spawning	3,314.3	1,859.3	992.9	462.2
Fish Spawning	3,314.3	2,263.1	626.1	425.1
Fish Migration	3,314.3	2,680.2	589.1	45.0
Fishable Goal	3,314.3	1,827.9	974.3	512.2
Fish Consumption	414.9	166.5	32.5	215.9
Swimming	3,314.3	2,908.3	0.0	406.1
Primary Contact	3,314.3	2,908.3	0.0	406.1
Secondary Contact	3,314.3	3,077.3	0.0	237.1

Note: Total size of streams obtained from data submittals.

Table 15: Summary of Fully Supporting and Impaired Lakes Census Survey (acres)

Degree of Use Support	Total Assessed Size
Size Fully Supporting All Assessed Uses	172,037.6
Size Partly Supporting All Assessed Uses	103,204.0
Size Not Supporting all Assessed Uses	3,855.0
Total Size of Waters Assessed	279,096.6

Note: Total size of lakes obtained from data submittals.

Table 16: Lakes Aesthetic Use Support
Census Survey (acres)

Degree of Use Support	Number of Lakes Monitored	Acreage of Lakes Monitored
Size Fully Supporting Aesthetic Use	523	172,037.6
Size Partly Supporting Aesthetic Use	271	103,204.0
Size Not Supporting Aesthetic Use	46	3,855.0

Note: Total size of lakes obtained from data submittals.

Table 17: Summary of Fully Supporting and Impaired Estuaries
Census Survey (sq. mi.)

Degree of Use Support	Total Assessed Size
Size Fully Supporting All Assessed Uses	404.6
Size Partly Supporting All Assessed Uses	393.5
Size Not Supporting all Assessed Uses	1,607.3
Total Size of Waters Assessed	2,405.4

Note: Total size of estuaries obtained from data submittals.

Table 18: Individual Estuary Use Support Summary
Census Survey (sq. mi.)

Use	Size Assessed	Size Fully Supporting	Size Partially Supporting	Size Not Supporting
Aquatic Life	2,405.4	662.3	668.5	1,074.6
Fish Spawning	2,405.4	1,459.9	602.0	343.5
Fish Migration	2,405.4	1,321.6	763.9	319.9
Fishable Goal	2,405.4	662.3	668.5	1,074.6
Shellfish Spawning	2,405.4	921.2	760.4	723.8
Swimming	2,405.4	2,405.4	0.0	0.0
Primary Contact	2,405.4	2,405.4	0.0	0.0
Secondary Contact	2,405.4	2,405.4	0.0	0.0

Note: Total size of estuaries obtained from monitoring study data.

V.B. Sample Survey Results

Table 19: Summary of Fully Supporting and Impaired Rivers and Streams Sample Survey (miles)

Degree of Use Support	Total Assessed Size
Size Fully Supporting All Assessed Uses	32,717.8
Size Partly Supporting All Assessed Uses	12,702.2
Size Not Supporting all Assessed Uses	25,019.5
Total Size of Waters Assessed	70,439.4

Note: Total size of streams obtained from Department of Ecology GIS Coverages.

Table 20: Individual Rivers and Streams Use Support Summary Sample Survey (miles)

Use	Size Assessed	Size Fully Supporting	Size Partially Supporting	Size Not Supporting
Aquatic Life	70,439.4	42,340.6	16,936.3	11,162.5
Salmon Spawning	70,439.4	43,110.5	17,321.2	10,007.8
Fish Spawning	70,439.4	51,578.6	11,162.5	7,698.3
Fish Migration	70,439.4	60,431.6	7,313.4	2,694.4
Fishable Goal	70,439.4	42,340.6	16,936.3	11,162.5
Fish Consumption	58,989.6	15,293.6	4,369.6	39,326.4
Swimming	70,439.4	58,892.0	0.0	11,547.4
Primary Contact	70,439.4	58,892.0	0.0	11,547.4
Secondary Contact	70,439.4	62,356.2	0.0	8,083.2

Note: Total size of streams obtained from Department of Ecology GIS Coverages.

Table 21: Summary of Fully Supporting and Impaired Lakes Sample Survey (acres)

Degree of Use Support	Total Assessed Size
Size Fully Supporting All Assessed Uses	151,763.0
Size Partly Supporting All Assessed Uses	78,638.2
Size Not Supporting all Assessed Uses	13,348.2
Total Size of Waters Assessed	248,682.4

Note: Total size of lakes obtained from Department of Ecology GIS Coverages.

Table 22: Lakes Aesthetic Use Support Sample Survey (acres)

Degree of Use Support	Number of Lakes Monitored	Acreage of Lakes Monitored
Size Fully Supporting Aesthetic Use	523	151,763.0
Size Partly Supporting Aesthetic Use	271	78,638.2
Size Not Supporting Aesthetic Use	46	13,348.2

Note: Total size of lakes obtained from Department of Ecology GIS Coverages.

Table 23: Summary of Fully Supporting and Impaired Estuaries Sample Survey (sq. mi.)

Degree of Use Support	Total Assessed Size
Size Fully Supporting All Assessed Uses	611.3
Size Partly Supporting All Assessed Uses	407.6
Size Not Supporting all Assessed Uses	1,885.0
Total Size of Waters Assessed	2,903.9

Note: Total size of estuaries obtained from Department of Ecology GIS Coverages.

Table 24: Individual Estuary Use Support Summary Sample Survey (sq. mi.)

Use	Size Assessed	Size Fully Supporting	Size Partially Supporting	Size Not Supporting
Aquatic Life	2,903.9	917.0	662.3	1,324.6
Fish Spawning	2,903.9	1,630.2	662.3	611.3
Fish Migration	2,903.9	1,885.0	509.4	509.4
Fishable Goal	2,903.9	917.0	662.3	1,324.6
Shellfish Spawning	2,903.9	1,273.6	764.2	866.1
Swimming	2,903.9	2,903.9	0.0	0.0
Primary Contact	2,903.9	2,903.9	0.0	0.0
Secondary Contact	2,903.9	2,903.9	0.0	0.0

Note: Total size of estuaries obtained from Department of Ecology GIS Coverages.

Washington State Section 305(b) Report

August 2000

Appendix A: Final 303(d) List of Impaired Waterbodies

Washington State

Final 1998 Section 303(d) List of Impaired Waterbodies
Washington State

WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
1	ANDERSON CREEK	Fine Sediment	39N	04E	19			MU69PG	WA-01-1120
1	ANDERSON CREEK	Temperature	38N	04E	06			MU69PG	WA-01-1120
1	ANDERSON DITCH	Dissolved Oxygen	39N	02E	35			WO95OB	WA-01-1104
1	ANDERSON DITCH	Dissolved Oxygen	39N	02E	36			WO95OB	WA-01-1104
1	ANDERSON DITCH	Fecal Coliform	39N	02E	35			WO95OB	WA-01-1104
1	ANDERSON DITCH	Fecal Coliform	39N	02E	36			WO95OB	WA-01-1104
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	2,4-Dimethylphenol				48.745	122.495	390KRD	WA-01-0050
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	2-Methylnaphthalen				48.745	122.495	390KRD	WA-01-0050
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	Acenaphthene				48.745	122.495	390KRD	WA-01-0050
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	Anthracene				48.745	122.495	390KRD	WA-01-0050
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	Arsenic				48.725	122.515	390KRD	WA-01-0050
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	Arsenic				48.745	122.495	390KRD	WA-01-0050
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	Benz(a)anthracene				48.745	122.495	390KRD	WA-01-0050
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	Benzo(a)pyrene				48.745	122.495	390KRD	WA-01-0050

Final 1998 Section 303(d) List of Impaired Waterbodies
Washington State

WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	Benzo(b,k)fluoranthenes				48.745	122.495	390KRD	WA-01-0050
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	Benzo(g,h,i)perylen				48.745	122.495	390KRD	WA-01-0050
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	Bis(2-ethylhexyl) phthalate				48.745	122.495	390KRD	WA-01-0050
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	Chrysene				48.745	122.495	390KRD	WA-01-0050
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	Copper				48.725	122.515	390KRD	WA-01-0050
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	Copper				48.745	122.495	390KRD	WA-01-0050
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	Dibenz(a,h)anthracene				48.745	122.495	390KRD	WA-01-0050
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	Dibenzofuran				48.745	122.495	390KRD	WA-01-0050
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	Fecal Coliform				48.735	122.505	390KRD	WA-01-0050
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	Fluoranthene				48.745	122.495	390KRD	WA-01-0050
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	Fluorene				48.745	122.495	390KRD	WA-01-0050

Final 1998 Section 303(d) List of Impaired Waterbodies
Washington State

WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	Indeno(1,2,3-cd)pyrene				48.745	122.495	390KRD	WA-01-0050
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	Lead				48.725	122.515	390KRD	WA-01-0050
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	Mercury				48.725	122.515	390KRD	WA-01-0050
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	Mercury				48.735	122.505	390KRD	WA-01-0050
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	Mercury				48.745	122.495	390KRD	WA-01-0050
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	Pentachlorophenol				48.745	122.495	390KRD	WA-01-0050
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	pH				48.735	122.505	390KRD	WA-01-0050
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	Phenanthrene				48.745	122.495	390KRD	WA-01-0050
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	Phenol				48.725	122.515	390KRD	WA-01-0050
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	Pyrene				48.745	122.495	390KRD	WA-01-0050
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	Sediment Bioassay				48.745	122.485	390KRD	WA-01-0050

Final 1998 Section 303(d) List of Impaired Waterbodies
Washington State

WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	Total PCBs				48.725	122.515	390KRD	WA-01-0050
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	Zinc				48.725	122.515	390KRD	WA-01-0050
1	BELLINGHAM BAY (INNER) AND WHATCOM WATERWAY	Zinc				48.745	122.495	390KRD	WA-01-0050
1	BELLINGHAM BAY	Fecal Coliform				48.685	122.605	390KRD	WA-01-0080
1	BELLINGHAM BAY	pH				48.715	122.535	390KRD	WA-01-0080
1	BENDER ROAD DITCH	Dissolved Oxygen	40N	03E	04			UI16IQ	WA-01-1119
1	BENDER ROAD DITCH	Fecal Coliform	40N	03E	09			UI16IQ	WA-01-1119
1	BENDER ROAD DITCH	Fecal Coliform	40N	03E	16			UI16IQ	WA-01-1119
1	BENSON ROAD DITCH	Dissolved Oxygen	40N	03E	17			GP43XI	WA-01-1117
1	BENSON ROAD DITCH	Fecal Coliform	40N	03E	19			GP43XI	WA-01-1117
1	BERTRAND CREEK	Ammonia-N	40N	03E	07			MI36KN	WA-01-1110
1	BERTRAND CREEK	Dissolved Oxygen	40N	02E	12			CT89KD	WA-01-1110
1	BERTRAND CREEK	Fecal Coliform	40N	02E	24			MI36KN	WA-01-1110
1	BERTRAND CREEK	Instream Flow	40N	02E	26			VL90RG	WA-01-1110
1	BOULDER CREEK	Temperature	40N	06E	28			AG28YU	WA-01-1155
1	CANYON (LAKE) CREEK	Temperature	39N	05E	27			ND81CH	WA-01-1310
1	CANYON CREEK	Temperature	40N	06E	35			CT23WH	WA-01-1160
1	CAVANAUGH CREEK	Temperature	36N	05E	01			NS88FJ	WA-01-1270
1	CLEARBROOK CREEK	Dissolved Oxygen	40N	04E	08			CT99ZQ	None2
1	CLEARBROOK CREEK	Fecal Coliform	40N	04E	05			CT99ZQ	None2
1	CLEARBROOK CREEK	Fecal Coliform	40N	04E	08			CT99ZQ	None2
1	CORNELL CREEK	Temperature	39N	06E	01			RQ36PH	WA-01-1170

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Washington State

WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
1	DAKOTA (REBEL) CREEK	Dissolved Oxygen	40N	02E	17			NW63LN	WA-01-1002
1	DAKOTA (REBEL) CREEK	Dissolved Oxygen	40N	02E	20			UY09SW	WA-01-1002
1	DAKOTA (REBEL) CREEK	Fecal Coliform	40N	01E	24			UY09SW	WA-01-1002
1	DAKOTA (REBEL) CREEK	Fecal Coliform	40N	02E	19			WY09SW	WA-01-1002
1	DEER CREEK	Ammonia-N	39N	02E	26			DR81WH	WA-01-1014
1	DEER CREEK	Dissolved Oxygen	39N	02E	26			DR81WH	WA-01-1014
1	DEER CREEK	Fecal Coliform	39N	02E	26			DR81WH	WA-01-1014
1	DEER CREEK	Fecal Coliform	39N	02E	27			DR81WH	WA-01-1014
1	DEER CREEK	pH	39N	02E	26			DR81WH	WA-01-1014
1	DEER CREEK	pH	39N	02E	27			DR81WH	WA-01-1014
1	DEPOT ROAD DITCH	Dissolved Oxygen	41N	03E	32			NK26OD	WA-01-1118
1	DEPOT ROAD DITCH	Fecal Coliform	40N	03E	17			NK26OD	WA-01-1118
1	DEPOT ROAD DITCH	Fecal Coliform	41N	03E	32			NK26OD	WA-01-1118
1	DOUBLE DITCH DRAIN	Fecal Coliform	40N	03E	06			RC87WC	WA-01-1116
1	DOUBLE DITCH DRAIN	Fecal Coliform	40N	03E	07			LN43IE	WA-01-1116
1	DOUBLE DITCH DRAIN	Fecal Coliform	40N	03E	18			MI36KN	WA-01-1116
1	DOUBLE DITCH DRAIN	Fecal Coliform	40N	03E	19			LN43IE	WA-01-1116
1	DOUBLE DITCH DRAIN	Fecal Coliform	41N	03E	31			LN43IE	WA-01-1116
1	DOUBLE DITCH DRAIN	Fecal Coliform	41N	03E	31			RC87WC	WA-01-1116
1	DRAYTON HARBOR	Fecal Coliform				48.965	122.765	390KRD	WA-01-0020
1	DRAYTON HARBOR	Fecal Coliform				48.985	122.765	390KRD	WA-01-0020
1	DUFFNER DITCH	Dissolved Oxygen	40N	02E	13			KG72JQ	WA-01-1111
1	DUFFNER DITCH	Fecal Coliform	40N	02E	13			KG72JQ	WA-01-1111
1	FISHTRAP CREEK	Fecal Coliform	40N	02E	25			RN53NC	WA-01-1115
1	FISHTRAP CREEK	Fecal Coliform	40N	03E	04			UI16IQ	WA-01-1115
1	FISHTRAP CREEK	Fecal Coliform	40N	03E	06			LN43IE	WA-01-1115

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
1	FISHTRAP CREEK	Fecal Coliform	40N	03E	06			RC87WC	WA-01-1115
1	FISHTRAP CREEK	Fecal Coliform	40N	03E	09			RN53NC	WA-01-1115
1	FISHTRAP CREEK	Fecal Coliform	40N	03E	16			UI16IQ	WA-01-1115
1	FISHTRAP CREEK	Fecal Coliform	40N	03E	19			LN43IE	WA-01-1115
1	FISHTRAP CREEK	Fecal Coliform	41N	03E	32			NK26OD	WA-01-1115
1	FISHTRAP CREEK	Instream Flow	40N	03E	16			RN53NC	WA-01-1115
1	GALLOP CREEK	Temperature	39N	07E	06			EO08VO	WA-01-1175
1	GRAYS HARBOR COUNTY DRAINAGE DITCH NO. 1 (GHCDD-1)	Dissolved Oxygen	38N	02E	11			XS91YS	None75
1	HOFF CREEK	Temperature	39N	04E	22			CN61ZA	WA-01-1124
1	HOWARD CREEK	Fine Sediment	36N	06E	13			AN73PN	WA-01-1290
1	HOWARD CREEK	Temperature	36N	06E	13			AN73PN	WA-01-1290
1	JOHNSON CREEK	Dissolved Oxygen	40N	04E	03			PL43AX	WA-01-2020
1	JOHNSON CREEK	Dissolved Oxygen	40N	04E	04			PL43AX	WA-01-2020
1	JOHNSON CREEK	Dissolved Oxygen	40N	04E	05			PL43AX	WA-01-2020
1	JOHNSON CREEK	Dissolved Oxygen	40N	04E	08			PL43AX	WA-01-2020
1	JOHNSON CREEK	Dissolved Oxygen	40N	04E	17			PL43AX	WA-01-2020
1	JOHNSON CREEK	Dissolved Oxygen	40N	04E	18			PL43AX	WA-01-2020
1	JOHNSON CREEK	Dissolved Oxygen	41N	04E	34			PL43AX	WA-01-2020
1	JOHNSON CREEK	Dissolved Oxygen	41N	04E	35			PL43AX	WA-01-2020
1	JOHNSON CREEK	Fecal Coliform	40N	04E	03			PL43AX	WA-01-2020
1	JOHNSON CREEK	Fecal Coliform	40N	04E	04			PL43AX	WA-01-2020
1	JOHNSON CREEK	Fecal Coliform	40N	04E	05			PL43AX	WA-01-2020
1	JOHNSON CREEK	Fecal Coliform	40N	04E	08			PL43AX	WA-01-2020
1	JOHNSON CREEK	Fecal Coliform	40N	04E	17			PL43AX	WA-01-2020
1	JOHNSON CREEK	Fecal Coliform	40N	04E	18			PL43AX	WA-01-2020

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
1	JOHNSON CREEK	Fecal Coliform	41N	04E	34			PL43AX	WA-01-2020
1	JOHNSON CREEK	Fecal Coliform	41N	04E	35			PL43AX	WA-01-2020
1	KAMM (STICKNEY)	Dissolved Oxygen	40N	03E	11			QG38LP	WA-01-1015
1	KAMM (STICKNEY)	Dissolved Oxygen	40N	03E	15			AC76JK	WA-01-1015
1	KAMM (STICKNEY)	Dissolved Oxygen	40N	03E	21			LS95QH	WA-01-1015
1	KAMM (STICKNEY)	Fecal Coliform	40N	03E	11			QG38LP	WA-01-1015
1	KAMM (STICKNEY)	Fecal Coliform	40N	03E	15			AC76JK	WA-01-1015
1	KAMM (STICKNEY)	Fecal Coliform	40N	03E	21			LS95QH	WA-01-1015
1	KAMM (STICKNEY)	pH	40N	03E	11			QG38LP	WA-01-1015
1	KAMM (STICKNEY)	pH	40N	03E	15			AC76JK	WA-01-1015
1	KAMM (STICKNEY)	pH	40N	03E	21			LS95QH	WA-01-1015
1	LUMMI BAY AND HALE PASSAGE	Fecal Coliform				48.725	122.665	390KRD	WA-01-0070
1	LUMMI RIVER	Fecal Coliform	39N	02E	31			YI44ML	WA-01-3300
1	MORMON DITCH	Dissolved Oxygen	40N	03E	22			LS95QH	WA-01-1016
1	MORMON DITCH	Fecal Coliform	40N	03E	22			LS95QH	WA-01-1016
1	MORMON DITCH	pH	40N	03E	22			LS95QH	WA-01-1016
1	NOOKSACK RIVER	Fecal Coliform	38N	02E	08			ZA83VD	WA-01-1010
1	NOOKSACK RIVER	Fecal Coliform	39N	02E	32			ZA83VD	WA-01-1010
1	NOOKSACK RIVER	Fine Sediment	39N	07E	03			OS27OC	WA-01-1080
1	NOOKSACK RIVER, M.F.	Temperature	38N	05E	11			UL53CF	WA-01-1060
1	NOOKSACK RIVER, S.F.	Fine Sediment	36N	06E	20			CQ54VT	WA-01-1040
1	NOOKSACK RIVER, S.F.	Instream Flow	38N	05E	19			CQ54VT	WA-01-1030
1	NOOKSACK RIVER, S.F.	Temperature	36N	05E	12			CQ54VT	WA-01-1040
1	NOOKSACK RIVER, S.F.	Temperature	38N	05E	07			CQ54VT	WA-01-1030
1	PANGBORN CREEK	Dissolved Oxygen	40N	03E	01			PJ69OE	WA-01-2040

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
1	PANGBORN CREEK	Dissolved Oxygen	40N	04E	06			PJ69OE	WA-01-2040
1	PANGBORN CREEK	Fecal Coliform	40N	03E	01			PJ69OE	WA-01-2040
1	PANGBORN CREEK	Fecal Coliform	40N	04E	05			PJ69OE	WA-01-2040
1	PANGBORN CREEK	Fecal Coliform	40N	04E	06			PJ69OE	WA-01-2040
1	PANGBORN CREEK	pH	40N	03E	01			PJ69OE	WA-01-2040
1	PANGBORN CREEK	pH	40N	04E	06			PJ69OE	WA-01-2040
1	RACEHORSE CREEK	Fine Sediment	39N	05E	10			HM16MY	WA-01-1145
1	RACEHORSE CREEK	Temperature	39N	05E	10			HM16MY	WA-01-1145
1	ROARING CREEK	Temperature	36N	06E	18			XP86DV	WA-01-1280
1	SILVER BEACH CREEK	Fecal Coliform	38N	03E	22			TT37OY	WA-01-3120
1	SILVER CREEK	Dissolved Oxygen	38N	02E	03			PI87SF	WA-01-1101
1	SILVER CREEK	Dissolved Oxygen	38N	02E	04			WO95OB	WA-01-1101
1	SILVER CREEK	Dissolved Oxygen	38N	02E	08			WO95OB	WA-01-1101
1	SILVER CREEK	Dissolved Oxygen	38N	02E	99			GE07EK	WA-01-1101
1	SILVER CREEK	Dissolved Oxygen	39N	02E	33			WO95OB	WA-01-1101
1	SILVER CREEK	Dissolved Oxygen	39N	02E	34			WO95OB	WA-01-1101
1	SILVER CREEK	Fecal Coliform	38N	02E	03			PI87SF	WA-01-1101
1	SILVER CREEK	Fecal Coliform	38N	02E	04			WO95OB	WA-01-1101
1	SILVER CREEK	Fecal Coliform	38N	02E	08			WO95OB	WA-01-1101
1	SILVER CREEK	Fecal Coliform	39N	02E	33			WO95OB	WA-01-1101
1	SQUAW CREEK	Dissolved Oxygen	40N	04E	08			GF74PM	WA-01-2050
1	SQUAW CREEK	Fecal Coliform	40N	03E	11			BL51HE	WA-01-2050
1	SQUAW CREEK	Fecal Coliform	40N	03E	12			GF74PM	WA-01-2050
1	SQUAW CREEK	Fecal Coliform	40N	04E	07			GF74PM	WA-01-2050
1	SQUAW CREEK	Fecal Coliform	40N	04E	08			GF74PM	WA-01-2050
1	SQUAW CREEK	pH	40N	03E	12			GF74PM	WA-01-2050

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
1	STRAIT OF GEORGIA	Acenaphthene				48.845	122.715	390KRD	WA-01-0010
1	STRAIT OF GEORGIA	Anthracene				48.845	122.715	390KRD	WA-01-0010
1	STRAIT OF GEORGIA	Benz(a)anthracene				48.845	122.715	390KRD	WA-01-0010
1	STRAIT OF GEORGIA	Benzo(a)pyrene				48.845	122.715	390KRD	WA-01-0010
1	STRAIT OF GEORGIA	Benzo(b,k)fluoranthenes				48.845	122.715	390KRD	WA-01-0010
1	STRAIT OF GEORGIA	Benzo(g,h,i)perylen				48.845	122.715	390KRD	WA-01-0010
1	STRAIT OF GEORGIA	Cadmium				48.845	122.715	390KRD	WA-01-0010
1	STRAIT OF GEORGIA	Chrysene				48.845	122.715	390KRD	WA-01-0010
1	STRAIT OF GEORGIA	Dibenz(a,h)anthracene				48.845	122.715	390KRD	WA-01-0010
1	STRAIT OF GEORGIA	Dibenzofuran				48.845	122.715	390KRD	WA-01-0010
1	STRAIT OF GEORGIA	Fluoranthene				48.845	122.715	390KRD	WA-01-0010
1	STRAIT OF GEORGIA	Fluorene				48.845	122.715	390KRD	WA-01-0010
1	STRAIT OF GEORGIA	Indeno(1,2,3-cd)pyrene				48.845	122.715	390KRD	WA-01-0010
1	STRAIT OF GEORGIA	Phenanthrene				48.845	122.715	390KRD	WA-01-0010
1	STRAIT OF GEORGIA	Pyrene				48.845	122.715	390KRD	WA-01-0010
1	STRAIT OF GEORGIA	Sediment Bioassay				48.865	122.755	390KRD	WA-01-0010
1	STRAIT OF GEORGIA	Total PCBs				48.845	122.715	390KRD	WA-01-0010
1	SUMAS CREEK	Dissolved Oxygen	41N	04E	34			MS54MP	WA-01-2030
1	SUMAS CREEK	Fecal Coliform	41N	04E	34			MS54MP	WA-01-2030
1	SUMAS CREEK	Fecal Coliform	41N	04E	35			MS54MP	WA-01-2030
1	SUMAS RIVER	Fecal Coliform	41N	04E	36			MS54MP	WA-01-2010
1	TENNANT CREEK	Dissolved Oxygen	38N	02E	04			EL82JG	WA-01-1103
1	TENNANT CREEK	Fecal Coliform	28N	02E	04			EL82JG	WA-01-1103
1	UNNAMED CREEK	Dissolved Oxygen	38N	02E	99			YT51FZ	WA-01-1102

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
1	UNNAMED CREEK	Fecal Coliform	38N	02E	99			YT51FZ	WA-01-1102
1	UNNAMED CREEK WDF# 01.0146	Dissolved Oxygen	38N	02E	02			PI87SF	None3
1	UNNAMED CREEK WDF# 01.0146	Fecal Coliform	38N	02E	02			PI87SF	None3
1	UNNAMED CREEK WDF# 01.0146	Fecal Coliform	38N	02E	11			XS91YS	None3
1	UNNAMED CREEK WDF# 01.0148	Fecal Coliform	38N	02E	03			PC85CB	None4
1	WHATCOM CREEK	Fecal Coliform	38N	03E	30			EZ19GC	WA-01-3110
1	WHATCOM CREEK	Temperature	38N	03E	30			EZ19GC	WA-01-3110
1	WHATCOM LAKE	Dissolved Oxygen	38N	03E	28	48.765	122.415	205VNG	WA-01-9170
2	SAN JUAN CHANNEL	Fecal Coliform				48.535	123.015	390KRD	WA-02-0030
3	BIG LAKE	Total Phosphorus	34N	04E	36			596AVP	WA-03-9020
3	BROWNS SLOUGH	Fecal Coliform	33N	03E	22			VN02NL	WA-03-4000
3	CARPENTER CREEK	Fecal Coliform	33N	04E	30			YA61IC	WA-03-1011
3	CARPENTER CREEK	Temperature	33N	04E	09			YA61IC	WA-03-1011
3	CARPENTER CREEK	Temperature	33N	04E	17			YA61IC	WA-03-1011
3	CARPENTER CREEK	Temperature	33N	04E	20			YA61IC	WA-03-1011
3	COAL CREEK	Temperature	35N	05E	10			RE17FI	None11
3	CUMBERLAND CREEK	Temperature	35N	06E	23			QX54OS	None7
3	DAY CREEK	Temperature	35N	06E	28			QT99QB	None8
3	FISHER CREEK	Temperature	33N	04E	30			JK73SN	WA-03-1012
3	FRIDAY CREEK	Fecal Coliform	36N	04E	32			NI79KV	WA-03-2100
3	GAGES SLOUGH	Fecal Coliform	34N	03E	12			DY42MK	WA-03-1016
3	HANSEN CREEK	Fecal Coliform	35N	05E	30			SV53RP	WA-03-1019
3	HANSEN CREEK	Fish Habitat	35N	05E	06			PU87PF	WA-03-1019

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
3	HANSEN CREEK	Fish Habitat	35N	05E	08			MV73PQ	WA-03-1019
3	HANSEN CREEK	Fish Habitat	35N	05E	17			PU87PF	WA-03-1019
3	HANSEN CREEK	Temperature	35N	05E	17			PU87PF	WA-03-1019
3	HANSEN CREEK	Temperature	35N	05E	20			PU87PF	WA-03-1019
3	HANSEN CREEK	Temperature	35N	05E	29			PU87PF	WA-03-1019
3	INDIAN (BIG) SLOUGH	Dissolved Oxygen				48.455	122.475	390KRD	WA-03-3100
3	INDIAN (BIG) SLOUGH	Fecal Coliform				48.455	122.475	390KRD	WA-03-3100
3	INDIAN (BIG) SLOUGH	Temperature				48.455	122.475	390KRD	WA-03-3100
3	JOE LEARY SLOUGH	Dissolved Oxygen				48.525	122.475	390KRD	WA-03-3000
3	JOE LEARY SLOUGH	Fecal Coliform				48.525	122.475	390KRD	WA-03-3000
3	JOE LEARY SLOUGH	Temperature				48.525	122.475	390KRD	WA-03-3000
3	JONES CREEK	Temperature	35N	06E	17			UT72SQ	None9
3	KETCHUM LAKE	Total Phosphorus	32N	04E	07			804KBQ	WA-03-9110
3	MUD LAKE CREEK	Temperature	34N	04E	11			IL21OS	None10
3	NONAME SLOUGH	Dissolved Oxygen	34N	03E	05			BX87EZ	WA-03-3200
3	NONAME SLOUGH	Fecal Coliform	34N	03E	05			BX87EZ	WA-03-3200
3	NOOKACHAMPS CREEK	Fecal Coliform	34N	04E	03			LZ60MT	WA-03-1017
3	NOOKACHAMPS CREEK	Temperature	33N	05E	08			ZZ50GP	WA-03-1017
3	NOOKACHAMPS CREEK	Temperature	34N	04E	04			LZ60MT	WA-03-1017
3	NOOKACHAMPS CREEK	Temperature	34N	04E	14			LZ60MT	WA-03-1017
3	NOOKACHAMPS CREEK	Temperature	34N	04E	25			LZ60MT	WA-03-1017
3	NOOKACHAMPS CREEK, E.F.	Temperature	34N	04E	11			DV97DN	WA-03-4200
3	NOOKACHAMPS CREEK, E.F.	Temperature	34N	05E	19			FE06WU	WA-03-4200
3	OTTER POND CREEK	Temperature	34N	04E	25			GK78TY	None5

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
3	PADILLA BAY, FIDALGO BAY, AND GUEMES CHANNEL	PCB-1254				48.495	122.485	390KRD	WA-03-0020
3	PARKER CREEK	Fish Habitat	35N	05E	25			NN50EA	WA-03-1036
3	RED CREEK	Temperature	35N	05E	17			TL30EW	None6
3	SAMISH BAY	Fecal Coliform				48.565	122.455	390KRD	WA-PS-0210
3	SAMISH BAY	Fecal Coliform				48.565	122.475	390KRD	WA-PS-0210
3	SAMISH BAY	Fecal Coliform				48.565	122.485	390KRD	WA-PS-0210
3	SAMISH RIVER	Fecal Coliform	35N	04E	05			NN50EA	WA-03-2010
3	SKAGIT BAY AND SIMILK BAY	Fecal Coliform				48.265	122.395	390KRD	WA-PS-0010
3	SKAGIT BAY AND SIMILK BAY	Fecal Coliform				48.285	122.385	390KRD	WA-PS-0010
3	SKAGIT BAY AND SIMILK BAY	Fecal Coliform				48.315	122.385	390KRD	WA-PS-0010
3	SKAGIT BAY AND SIMILK BAY	Fecal Coliform				48.325	122.395	390KRD	WA-PS-0010
3	SKAGIT BAY AND SIMILK BAY	Fecal Coliform				48.335	122.415	390KRD	WA-PS-0010
3	SKAGIT BAY AND SIMILK BAY	Fecal Coliform				48.335	122.445	390KRD	WA-PS-0010
3	SKAGIT RIVER	Fecal Coliform	33N	04E	18			QG78VP	WA-03-1010
3	SORENSON CREEK	Fish Habitat	35N	05E	25			HP89WW	WA-03-1035
3	TURNER CREEK	Temperature	34N	05E	18			EI77IQ	None12
3	UNNAMED CREEK	Fecal Coliform	32N	04E	07			NO-ID	WA-03-8000
3	WILEY SLOUGH	Fecal Coliform	33N	03E	26			EE73RP	WA-03-4100
3	WISEMAN CREEK	Temperature	35N	05E	27			XZ26WG	None13
4	FINNEY CREEK	Temperature	35N	07E	13			CN43RF	WA-04-1015

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
4	GRANDY CREEK	Temperature	35N	07E	10			WY11LD	None15
4	JACKMAN CREEK	Temperature	35N	08E	13			EH12BY	None14
5	DEER CREEK	Temperature	32N	07E	08			PA13UD	WA-05-1021
5	DEER CREEK	Temperature	34N	07E	36			PA13UD	WA-05-1021
5	FISH CREEK	Fecal Coliform	31N	04E	12			QJ28UC	WA-05-1016
5	FISH CREEK	Fecal Coliform	31N	05E	18			QJ28UC	WA-05-1016
5	HARVEY CREEK	Fecal Coliform	32N	05E	15			HD76OJ	None16
5	HARVEY CREEK	Fecal Coliform	32N	05E	22			HD76OJ	None16
5	HARVEY CREEK	Fecal Coliform	32N	05E	23			HD76OJ	None16
5	HARVEY CREEK	Fecal Coliform	32N	05E	26			HD76OJ	None16
5	HIGGINS CREEK	Temperature	32N	07E	20			BH79GG	WA-05-1025
5	JIM CREEK	Fecal Coliform	31N	06E	08			JU33JU	None18
5	JORGENSON SLOUGH (CHURCH CREEK)	Fecal Coliform	32N	04E	16			GH05SX	WA-05-1012
5	JORGENSON SLOUGH (CHURCH CREEK)	Fecal Coliform	32N	04E	20			GH05SX	WA-05-1012
5	JORGENSON SLOUGH (CHURCH CREEK)	Fecal Coliform	32N	04E	21			GH05SX	WA-05-1012
5	JORGENSON SLOUGH (CHURCH CREEK)	Fecal Coliform	32N	04E	29			GH05SX	WA-05-1012
5	LITTLE DEER CREEK	Temperature	34N	07E	35			EX67XM	WA-05-1023
5	MARTHA LAKE CREEK	Fecal Coliform	31N	03E	13			IJ55EP	None21
5	OLD STILLAGUAMISH RIVER	Fecal Coliform	32N	03E	25			QE93BW	None20
5	PILCHUCK CREEK	Dissolved Oxygen	32N	05E	31			VJ74AO	WA-05-1018
5	PILCHUCK CREEK	Temperature	31N	05E	06			VJ74AO	WA-05-1018
5	PILCHUCK CREEK	Temperature	32N	05E	31			VJ74AO	WA-05-1018
5	PORT SUSAN	Fecal Coliform				48.185	122.385	390KRD	WA-PS-0020

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
5	PORTAGE CREEK	Dissolved Oxygen	31N	04E	12			OT80TY	WA-05-1015
5	PORTAGE CREEK	Dissolved Oxygen	31N	04E	12			QJ28UC	WA-05-1015
5	PORTAGE CREEK	Dissolved Oxygen	31N	05E	07			OT80TY	WA-05-1015
5	PORTAGE CREEK	Dissolved Oxygen	31N	05E	16			OT80TY	WA-05-1015
5	PORTAGE CREEK	Dissolved Oxygen	31N	05E	16			YF03BC	WA-05-1015
5	PORTAGE CREEK	Dissolved Oxygen	31N	05E	17			OT80TY	WA-05-1015
5	PORTAGE CREEK	Fecal Coliform	31N	04E	12			OT80TY	WA-05-1015
5	PORTAGE CREEK	Fecal Coliform	31N	04E	12			QJ28UC	WA-05-1015
5	PORTAGE CREEK	Fecal Coliform	31N	05E	07			OT80TY	WA-05-1015
5	PORTAGE CREEK	Fecal Coliform	31N	05E	11			OT80TY	WA-05-1015
5	PORTAGE CREEK	Fecal Coliform	31N	05E	13			OT80TY	WA-05-1015
5	PORTAGE CREEK	Fecal Coliform	31N	05E	14			OT80TY	WA-05-1015
5	PORTAGE CREEK	Fecal Coliform	31N	05E	16			OT80TY	WA-05-1015
5	PORTAGE CREEK	Fecal Coliform	31N	05E	16			YF03BC	WA-05-1015
5	PORTAGE CREEK	Fecal Coliform	31N	05E	17			OT80TY	WA-05-1015
5	PORTAGE CREEK	Turbidity	31N	05E	11			OT80TY	WA-05-1015
5	PORTAGE CREEK	Turbidity	31N	05E	17			OT80TY	WA-05-1015
5	STILLAGUAMISH RIVER	Ammonia-N	32N	03E	25			QE93BW	WA-05-1010
5	STILLAGUAMISH RIVER	Arsenic	31N	05E	06			QE93BW	WA-05-1010
5	STILLAGUAMISH RIVER	Copper	32N	04E	30			QE93BW	WA-05-1010
5	STILLAGUAMISH RIVER	Dissolved Oxygen	31N	04E	04			QE93BW	WA-05-1010
5	STILLAGUAMISH RIVER	Dissolved Oxygen	31N	04E	05			ZO73WL	WA-05-1010
5	STILLAGUAMISH RIVER	Fecal Coliform	31N	05E	02			QE93BW	WA-05-1010
5	STILLAGUAMISH RIVER	Fecal Coliform	31N	05E	06			QE93BW	WA-05-1010
5	STILLAGUAMISH RIVER	Fecal Coliform	32N	04E	31			ZO73WL	WA-05-1010
5	STILLAGUAMISH RIVER	Lead	32N	03E	25			QE93BW	WA-05-1010

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
5	STILLAGUAMISH RIVER	Nickel	32N	03E	25			QE93BW	WA-05-1010
5	STILLAGUAMISH RIVER	Temperature	31N	05E	02			QE93BW	WA-05-1010
5	STILLAGUAMISH RIVER	Temperature	31N	05E	06			QE93BW	WA-05-1010
5	STILLAGUAMISH RIVER	Temperature	32N	04E	31			ZO73WL	WA-05-1010
5	STILLAGUAMISH RIVER, N.F.	Fecal Coliform	31N	05E	02			WO38NV	WA-05-1020
5	STILLAGUAMISH RIVER, N.F.	Fecal Coliform	32N	07E	10			WO38NV	WA-05-1020
5	STILLAGUAMISH RIVER, N.F.	Fecal Coliform	32N	08E	07			WO38NV	WA-05-1020
5	STILLAGUAMISH RIVER, N.F.	Temperature	33N	09E	22			XN66YN	WA-05-1020
5	STILLAGUAMISH RIVER, S.F.	Dissolved Oxygen	30N	07E	07			SN06ZT	WA-05-1040
5	STILLAGUAMISH RIVER, S.F.	Fecal Coliform	30N	07E	07			SN06ZT	WA-05-1050
5	STILLAGUAMISH RIVER, S.F.	Fecal Coliform	30N	07E	08			SN06ZT	WA-05-1050
5	STILLAGUAMISH RIVER, S.F.	Fecal Coliform	31N	05E	02			SN06ZT	WA-05-1040
5	STILLAGUAMISH RIVER, S.F.	pH	31N	05E	02			SN06ZT	WA-05-1040
5	STILLAGUAMISH RIVER, S.F.	Temperature	30N	07E	07			SN06ZT	WA-05-1040
5	STILLAGUAMISH RIVER, S.F.	Temperature	31N	05E	02			SN06ZT	WA-05-1040
5	SUNDAY LAKE	Total Nitrogen	32N	04E	26			350KXK	WA-05-9160
5	SUNDAY LAKE	Total Phosphorus	32N	04E	26			350KXK	WA-05-9160
5	UNNAMED CREEK WDF# 05.0456	Fecal Coliform	31N	03E	24			LU17DC	None19

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6	PORT SUSAN	Fecal Coliform				48.225	122.4405	390KRD	WA-PS-0020
6	SARATOGA PASSAGE	Dissolved Oxygen				48.105	122.495	390KRD	WA-06-0010
6	SARATOGA PASSAGE	Dissolved Oxygen				48.295	122.485	390KRD	WA-06-0010
6	SARATOGA PASSAGE	pH				48.105	122.495	390KRD	WA-06-0010
6	SKAGIT BAY AND SIMILK BAY	Dissolved Oxygen				48.295	122.485	390KRD	WA-PS-0010
6	SKAGIT BAY AND SIMILK BAY	Fecal Coliform				48.255	122.415	390KRD	WA-PS-0010
7	ALLEN CREEK	Dissolved Oxygen	30N	05E	11			QC54KA	WA-07-1012
7	ALLEN CREEK	Dissolved Oxygen	30N	05E	28			YT94RF	WA-07-1012
7	ALLEN CREEK	Dissolved Oxygen	30N	05E	33			YT94RF	WA-07-1012
7	ALLEN CREEK	Fecal Coliform	30N	05E	11			LE18DV	WA-07-1012
7	ALLEN CREEK	Fecal Coliform	30N	05E	11			QC54KA	WA-07-1012
7	ALLEN CREEK	Fecal Coliform	30N	05E	22			YT94RF	WA-07-1012
7	ALLEN CREEK	Fecal Coliform	30N	05E	28			YT94RF	WA-07-1012
7	BLACKMANS LAKE	Fecal Coliform	28N	06E	07			010QMB	WA-07-9060
7	BLACKMANS LAKE	Total Phosphorus	28N	06E	07			010QMB	WA-07-9060
7	EBEY SLOUGH	Dissolved Oxygen	30N	05E	32			PR16VH	WA-07-1011
7	EBEY SLOUGH	Fecal Coliform	30N	05E	32			PR16VH	WA-07-1011
7	EBEY SLOUGH	pH	30N	05E	32			PR16VH	WA-07-1011
7	EBEY SLOUGH	Water Column Bioassay	30N	05E	33			PR16VH	WA-07-1011
7	FRENCH CREEK	Dissolved Oxygen	28N	06E	27			XZ24XU	WA-07-1052
7	FRENCH CREEK	Dissolved Oxygen	28N	06E	29			XZ24XU	WA-07-1052
7	FRENCH CREEK	Dissolved Oxygen	28N	06E	30			XZ24XU	WA-07-1052
7	FRENCH CREEK	Fecal Coliform	28N	06E	23			XZ24XU	WA-07-1052
7	FRENCH CREEK	Fecal Coliform	28N	06E	27			XZ24XU	WA-07-1052

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
7	FRENCH CREEK	Fecal Coliform	28N	06E	29			XZ24XU	WA-07-1052
7	PILCHUCK RIVER	Fecal Coliform	28N	06E	18			NF79WA	WA-07-1030
7	PILCHUCK RIVER	Fecal Coliform	28N	06E	18			NF79WA	WA-07-1040
7	PILCHUCK RIVER	Fecal Coliform	29N	06E	21			NF79WA	WA-07-1030
7	PILCHUCK RIVER	Temperature	29N	06E	16			NF79WA	WA-07-1040
7	PORT GARDNER AND INNER EVERETT HARBOR	2,4-Dimethylphenol				47.985	122.215	390KRD	WA-07-0010
7	PORT GARDNER AND INNER EVERETT HARBOR	2-Methylnaphthalen				47.985	122.215	390KRD	WA-07-0010
7	PORT GARDNER AND INNER EVERETT HARBOR	2-Methylphenol				47.985	122.215	390KRD	WA-07-0010
7	PORT GARDNER AND INNER EVERETT HARBOR	4-Methylphenol				47.985	122.215	390KRD	WA-07-0010
7	PORT GARDNER AND INNER EVERETT HARBOR	Acenaphthene				47.985	122.215	390KRD	WA-07-0010
7	PORT GARDNER AND INNER EVERETT HARBOR	Benzo(a)pyrene				47.985	122.215	390KRD	WA-07-0010
7	PORT GARDNER AND INNER EVERETT HARBOR	Benzo(b,k)fluoranthenes				47.985	122.215	390KRD	WA-07-0010
7	PORT GARDNER AND INNER EVERETT HARBOR	Benzo(g,h,i)perylen				47.985	122.215	390KRD	WA-07-0010
7	PORT GARDNER AND INNER EVERETT HARBOR	Benzyl alcohol				47.985	122.215	390KRD	WA-07-0010
7	PORT GARDNER AND INNER EVERETT HARBOR	Bis(2-ethylhexyl) phthalate				47.985	122.215	390KRD	WA-07-0010
7	PORT GARDNER AND INNER EVERETT HARBOR	Chrysene				47.985	122.215	390KRD	WA-07-0010
7	PORT GARDNER AND INNER EVERETT HARBOR	Di-n-octyl phthalate				47.985	122.215	390KRD	WA-07-0010

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
7	PORT GARDNER AND INNER EVERETT HARBOR	Fluoranthene				47.985	122.215	390KRD	WA-07-0010
7	PORT GARDNER AND INNER EVERETT HARBOR	Fluorene				47.985	122.215	390KRD	WA-07-0010
7	PORT GARDNER AND INNER EVERETT HARBOR	Mercury				47.985	122.215	390KRD	WA-07-0010
7	PORT GARDNER AND INNER EVERETT HARBOR	Naphthalene				47.985	122.215	390KRD	WA-07-0010
7	PORT GARDNER AND INNER EVERETT HARBOR	Pentachlorophenol				47.985	122.215	390KRD	WA-07-0010
7	PORT GARDNER AND INNER EVERETT HARBOR	Phenanthrene				47.985	122.215	390KRD	WA-07-0010
7	PORT GARDNER AND INNER EVERETT HARBOR	Phenol				47.985	122.215	390KRD	WA-07-0010
7	PORT GARDNER AND INNER EVERETT HARBOR	Sediment Bioassay				47.985	122.215	390KRD	WA-07-0010
7	PORT GARDNER AND INNER EVERETT HARBOR	Total PCBs				47.985	122.215	390KRD	WA-07-0010
7	PORT GARDNER AND INNER EVERETT HARBOR	Zinc				47.985	122.215	390KRD	WA-07-0010
7	POSSESSION SOUND (NORTH)	2,4-Dimethylphenol				47.975	122.225	390KRD	WA-PS-0030
7	POSSESSION SOUND (NORTH)	2-Methylnaphthalen				47.975	122.225	390KRD	WA-PS-0030
7	POSSESSION SOUND (NORTH)	2-Methylphenol				47.975	122.225	390KRD	WA-PS-0030
7	POSSESSION SOUND (NORTH)	4-Methylphenol				47.975	122.225	390KRD	WA-PS-0030
7	POSSESSION SOUND (NORTH)	Acenaphthene				47.975	122.225	390KRD	WA-PS-0030

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
7	POSSESSION SOUND (NORTH)	Arsenic				47.975	122.225	390KRD	WA-PS-0030
7	POSSESSION SOUND (NORTH)	Benzoic Acid				47.975	122.225	390KRD	WA-PS-0030
7	POSSESSION SOUND (NORTH)	Benzyl alcohol				47.975	122.225	390KRD	WA-PS-0030
7	POSSESSION SOUND (NORTH)	Bis(2-ethylhexyl) phthalate				47.975	122.225	390KRD	WA-PS-0030
7	POSSESSION SOUND (NORTH)	Cadmium				47.975	122.225	390KRD	WA-PS-0030
7	POSSESSION SOUND (NORTH)	Copper				47.975	122.225	390KRD	WA-PS-0030
7	POSSESSION SOUND (NORTH)	Dibenzofuran				47.975	122.225	390KRD	WA-PS-0030
7	POSSESSION SOUND (NORTH)	Dissolved Oxygen				48.015	122.305	390KRD	WA-PS-0030
7	POSSESSION SOUND (NORTH)	Fluorene				47.975	122.225	390KRD	WA-PS-0030
7	POSSESSION SOUND (NORTH)	Lead				47.975	122.225	390KRD	WA-PS-0030
7	POSSESSION SOUND (NORTH)	Mercury				47.975	122.225	390KRD	WA-PS-0030
7	POSSESSION SOUND (NORTH)	Naphthalene				47.975	122.225	390KRD	WA-PS-0030
7	POSSESSION SOUND (NORTH)	Phenanthrene				47.975	122.225	390KRD	WA-PS-0030
7	POSSESSION SOUND (NORTH)	Phenol				47.975	122.225	390KRD	WA-PS-0030
7	POSSESSION SOUND (NORTH)	Sediment Bioassay				47.955	122.295	390KRD	WA-PS-0030

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
7	POSSESSION SOUND (NORTH)	Sediment Bioassay				47.975	122.215	390KRD	WA-PS-0030
7	POSSESSION SOUND (NORTH)	Zinc				47.975	122.225	390KRD	WA-PS-0030
7	QUILCEDA CREEK	Dissolved Oxygen	30N	05E	16			TH58TS	WA-07-1015
7	QUILCEDA CREEK	Dissolved Oxygen	30N	05E	29			TH58TS	WA-07-1015
7	QUILCEDA CREEK	Dissolved Oxygen	31N	05E	27			MM28XN	WA-07-1015
7	QUILCEDA CREEK	Dissolved Oxygen	31N	05E	29			LY43NC	WA-07-1015
7	QUILCEDA CREEK	Dissolved Oxygen	31N	05E	34			SR79YG	WA-07-1015
7	QUILCEDA CREEK	Fecal Coliform	30N	05E	10			FM31KO	WA-07-1015
7	QUILCEDA CREEK	Fecal Coliform	30N	05E	16			TH58TS	WA-07-1015
7	QUILCEDA CREEK	Fecal Coliform	31N	05E	27			MM28XN	WA-07-1015
7	QUILCEDA CREEK	Fecal Coliform	31N	05E	29			LY43NC	WA-07-1015
7	QUILCEDA CREEK	Fecal Coliform	31N	05E	34			SR79YG	WA-07-1015
7	QUILCEDA CREEK	Fecal Coliform	31N	05E	35			SR79YG	WA-07-1015
7	RAGING RIVER	pH	24N	07E	15			GU12TT	WA-07-1104
7	SKYKOMISH RIVER	Copper	27N	06E	12			AO37WJ	WA-07-1160
7	SKYKOMISH RIVER	Fecal Coliform	27N	07E	06			AO37WJ	WA-07-1160
7	SKYKOMISH RIVER	Fecal Coliform	27N	09E	09			AO37WJ	WA-07-1200
7	SKYKOMISH RIVER	Lead	27N	06E	12			AO37WJ	WA-07-1160
7	SKYKOMISH RIVER	Silver	27N	06E	12			AO37WJ	WA-07-1160
7	SKYKOMISH RIVER	Temperature	27N	09E	09			AO37WJ	WA-07-1200
7	SNOHOMISH RIVER	2-Methylnaphthalen	29N	05E	16			YS20QN	WA-07-1010
7	SNOHOMISH RIVER	Acenaphthene	29N	05E	16			YS20QN	WA-07-1010
7	SNOHOMISH RIVER	Arsenic	29N	05E	16			YS20QN	WA-07-1010
7	SNOHOMISH RIVER	Copper	27N	06E	16			JX50OE	WA-07-1050
7	SNOHOMISH RIVER	Copper	28N	06E	18			JX50OE	WA-07-1020

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
7	SNOHOMISH RIVER	Copper	29N	05E	16			YS20QN	WA-07-1010
7	SNOHOMISH RIVER	Dibenzofuran	29N	05E	16			YS20QN	WA-07-1010
7	SNOHOMISH RIVER	Dissolved Oxygen	28N	06E	32			JX50OE	WA-07-1050
7	SNOHOMISH RIVER	Fecal Coliform	28N	06E	18			JX50OE	WA-07-1020
7	SNOHOMISH RIVER	Fecal Coliform	28N	06E	32			JX50OE	WA-07-1050
7	SNOHOMISH RIVER	Fecal Coliform	29N	05E	08			YS20QN	WA-07-1010
7	SNOHOMISH RIVER	Fluorene	29N	05E	16			YS20QN	WA-07-1010
7	SNOHOMISH RIVER	Mercury	27N	06E	16			JX50OE	WA-07-1050
7	SNOHOMISH RIVER	Naphthalene	29N	05E	16			YS20QN	WA-07-1010
7	SNOHOMISH RIVER	Phenanthrene	29N	05E	16			YS20QN	WA-07-1010
7	SNOHOMISH RIVER	Temperature	28N	06E	18			JX50OE	WA-07-1020
7	SNOHOMISH RIVER	Temperature	29N	05E	08			YS20QN	WA-07-1050
7	SNOHOMISH RIVER	Temperature	29N	05E	16			YS20QN	WA-07-1050
7	SNOQUALMIE RIVER	Temperature	24N	07E	14			QW73YS	WA-07-1100
7	SNOQUALMIE RIVER	Temperature	24N	08E	30			QW73YS	WA-07-1100
7	SNOQUALMIE RIVER	Temperature	24N	08E	33			QW73YS	WA-07-1100
7	SNOQUALMIE RIVER	Temperature	25N	07E	09			QW73YS	WA-07-1060
7	SNOQUALMIE RIVER	Temperature	26N	06E	26			QW73YS	WA-07-1060
7	SNOQUALMIE RIVER	Temperature	27N	06E	23			QW73YS	WA-07-1060
7	SNOQUALMIE RIVER, S.F.	pH	23N	09E	30			UC46QU	WA-07-1120
7	SNOQUALMIE RIVER, S.F.	pH	23N	09E	34			UC46QU	WA-07-1120
7	SNOQUALMIE RIVER, S.F.	Temperature	22N	10E	06			UC46QU	WA-07-1120
7	STEVENS LAKE	Total Phosphorus	29N	06E	08			026ZDC	WA-07-9720
7	WALLACE RIVER	Temperature	28N	09E	31			OR02JV	WA-07-1195
7	WOOD CREEK (MARSH LANDS)	Dissolved Oxygen	27N	06E	12			FZ74HO	WA-07-1019

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7	WOODS CREEK	Fecal Coliform	27N	07E	06			FZ74HO	WA-07-1163
7	WOODS CREEK	Fecal Coliform	28N	07E	16			OH07SJ	WA-07-1163
7	WOODS CREEK	Fecal Coliform	28N	07E	28			OH07SJ	WA-07-1163
7	WOODS CREEK	Fecal Coliform	28N	07E	33			FZ74HO	WA-07-1163
7	WOODS CREEK	Fecal Coliform	28N	07E	34			FZ74HO	WA-07-1163
8	BEAR-EVANS CREEKS	Fecal Coliform	25N	05E	12			WR69YU	WA-08-1095
8	BEAR-EVANS CREEKS	Fecal Coliform	25N	06E	06			BA64JJ	WA-08-1095
8	BEAR-EVANS CREEKS	Fecal Coliform	25N	06E	06			MI67EG	WA-08-1095
8	BEAR-EVANS CREEKS	Fecal Coliform	25N	06E	18			MI67EG	WA-08-1095
8	BEAR-EVANS CREEKS	Fecal Coliform	26N	06E	18			NO74JS	WA-08-1095
8	BEAR-EVANS CREEKS	Fecal Coliform	26N	06E	30			EEW54V	WA-08-1095
8	BEAR-EVANS CREEKS	Mercury	25N	05E	12			WR69YU	WA-08-1095
8	BEAVER NO. 1 LAKE	Total Phosphorus	24N	06E	02			135STD	WA-08-9020
8	BEAVER NO. 2 LAKE	Total Phosphorus	24N	06E	11			005OQX	WA-08-9030
8	CEDAR RIVER	Fecal Coliform	23N	06E	29			JG09GH	WA-08-1145
8	COAL CREEK	Fecal Coliform	24N	05E	16			CH04NG	WA-08-1120
8	COTTAGE LAKE	Total Phosphorus	26N	06E	07			491TVC	WA-08-9070
8	EDEN (ETON) CREEK	Fecal Coliform	25N	06E	32			FN75VG	WA-08-1118
8	FAIRWEATHER BAY CREEK	Fecal Coliform	25N	04E	24			DG67DF	WA-08-1016
8	FAIRWEATHER BAY CREEK	Temperature	25N	04E	24			DG67DF	WA-08-1016
8	FORBES CREEK	Fecal Coliform	26N	05E	31			BG76BX	WA-08-1012
8	GREEN LAKE	Total Phosphorus	25N	04E	05			670DAB	WA-08-9150
8	ISSAQUAH CREEK	Fecal Coliform	24N	06E	21			TF31OB	WA-08-1110
8	ISSAQUAH CREEK	Fecal Coliform	24N	06E	27			CZ80NC	WA-08-1110
8	ISSAQUAH CREEK	Fecal Coliform	24N	06E	28			TF31OB	WA-08-1110
8	ISSAQUAH CREEK	Temperature	24N	06E	28			CN80NC	WA-08-1110

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
8	JUANITA CREEK	Fecal Coliform	26N	05E	20			WA69TP	WA-08-1010
8	JUANITA CREEK	Fecal Coliform	26N	05E	30			WA69TP	WA-08-1010
8	KELSEY CREEK	DDT	25N	05E	27			UD45VL	WA-08-1018
8	KELSEY CREEK	Dieldrin	25N	05E	27			UD45VL	WA-08-1018
8	KELSEY CREEK	Fecal Coliform	24N	05E	08			CK50FE	WA-08-1018
8	KELSEY CREEK	Fecal Coliform	25N	05E	33			CK50FE	WA-08-1018
8	KELSEY CREEK	Heptachlor Epoxide	25N	05E	27			UD45VL	WA-08-1018
8	LAUGHING JACOB'S CREEK	Fecal Coliform	24N	06E	16			AM27GW	WA-08-1116
8	LEWIS CREEK	Fecal coliform	24N	06E	18			SY87QV	None24
8	LITTLE BEAR CREEK	Fecal Coliform	26N	05E	09			UT96KR	WA-08-1085
8	LITTLE BEAR CREEK	Fecal Coliform	27N	05E	15			UT96KR	WA-08-1085
8	LITTLE BEAR CREEK	Fecal Coliform	27N	05E	27			UT96KR	WA-08-1085
8	LYON CREEK	Fecal Coliform	26N	04E	10			AS70QO	WA-08-1040
8	MARTHA LAKE	Total Phosphorus	27N	04E	01			855WHN	WA-08-9190
8	MAY CREEK	Copper	23N	06E	07			BH96KG	WA-08-1130
8	MAY CREEK	Copper	24N	05E	32			BH96KG	WA-08-1130
8	MAY CREEK	Copper	24N	05E	33			BH96KG	WA-08-1130
8	MAY CREEK	Fecal Coliform	24N	05E	32			BH96KG	WA-08-1130
8	MAY CREEK	Lead	23N	06E	07			BH96KG	WA-08-1130
8	MAY CREEK	Lead	23N	06E	18			XP04PY	WA-08-1130
8	MAY CREEK	Lead	24N	05E	32			BH96KG	WA-08-1130
8	MAY CREEK	Lead	24N	05E	34			BG47ND	WA-08-1130
8	MAY CREEK	Temperature	23N	05E	04			BH96KG	WA-08-1130
8	MAY CREEK	Temperature	23N	05E	12			BG47ND	WA-08-1130
8	MAY CREEK	Temperature	23N	05E	12			BH96KG	WA-08-1130
8	MAY CREEK	Zinc	24N	05E	32			BH96KG	WA-08-1130

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
8	MAY CREEK	Zinc	24N	05E	32			H96KG	WA-08-1130
8	McALEER CREEK	Fecal Coliform	26N	04E	10			CF07LH	WA-08-1030
8	MERCER SLOUGH	Dissolved Oxygen	24N	05E	05			DE87MT	WA-08-2100
8	MERCER SLOUGH	Dissolved Oxygen	25N	05E	33			CK50FE	WA-08-2100
8	MERCER SLOUGH	Fecal Coliform	24N	05E	05			DE87MT	WA-08-2100
8	MERCER SLOUGH	pH	24N	05E	08			CK50FE	WA-08-2100
8	MULLEN SLOUGH	Fecal Coliform	22N	04E	23			BP27QP	None23
8	NORMA CREEK	Dissolved Oxygen	28N	04E	32			YI62JI	WA-08-1002
8	NORMA CREEK	Fecal Coliform	28N	04E	32			YI62JI	WA-08-1002
8	NORTH CREEK	Dissolved Oxygen	27N	05E	32			SM74QQ	WA-08-1065
8	NORTH CREEK	Dissolved Oxygen	28N	05E	31			SM74QQ	WA-08-1065
8	NORTH CREEK	Fecal Coliform	26N	05E	04			SM74QQ	WA-08-1065
8	NORTH CREEK	Fecal Coliform	27N	05E	32			SM74QQ	WA-08-1065
8	NORTH CREEK	Fecal Coliform	28N	05E	31			SM74QQ	WA-08-1065
8	PINE LAKE CREEK	Fecal Coliform	25N	06E	31			LH94AN	WA-08-1117
8	PUGET SOUND (CENTRAL)	2-Methylnaphthalen				47.635	122.385	390KRD	WA-PS-0240
8	PUGET SOUND (CENTRAL)	Acenaphthene				47.635	122.385	390KRD	WA-PS-0240
8	PUGET SOUND (CENTRAL)	Benz(a)anthracene				47.635	122.385	390KRD	WA-PS-0240
8	PUGET SOUND (CENTRAL)	Benzo(a)pyrene				47.635	122.385	390KRD	WA-PS-0240
8	PUGET SOUND (CENTRAL)	Benzo(b,k)fluoranthenes				47.635	122.385	390KRD	WA-PS-0240
8	PUGET SOUND (CENTRAL)	Benzo(g,h,i)perylen				47.635	122.385	390KRD	WA-PS-0240
8	PUGET SOUND (CENTRAL)	Chrysene				47.635	122.385	390KRD	WA-PS-0240
8	PUGET SOUND (CENTRAL)	Dibenz(a,h)anthracene				47.635	122.385	390KRD	WA-PS-0240
8	PUGET SOUND (CENTRAL)	Dibenzofuran				47.635	122.385	390KRD	WA-PS-0240
8	PUGET SOUND (CENTRAL)	Fluoranthene				47.635	122.385	390KRD	WA-PS-0240

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
8	PUGET SOUND (CENTRAL)	Fluorene				47.635	122.385	390KRD	WA-PS-0240
8	PUGET SOUND (CENTRAL)	Indeno(1,2,3-cd)pyrene				47.635	122.385	390KRD	WA-PS-0240
8	PUGET SOUND (CENTRAL)	Mercury				47.635	122.385	390KRD	WA-PS-0240
8	PUGET SOUND (CENTRAL)	Naphthalene				47.635	122.385	390KRD	WA-PS-0240
8	PUGET SOUND (CENTRAL)	Phenanthrene				47.635	122.385	390KRD	WA-PS-0240
8	PUGET SOUND (CENTRAL)	Total PCBs				47.635	122.385	390KRD	WA-PS-0240
8	SAMMAMISH LAKE	Fecal Coliform				47.565	122.065	143MLR	WA-08-9270
8	SAMMAMISH LAKE	Fecal Coliform				47.645	122.105	143MLR	WA-08-9270
8	SAMMAMISH RIVER	Dissolved Oxygen	26N	05E	08			CA16HI	WA-08-1070
8	SAMMAMISH RIVER	Fecal Coliform	25N	05E	11			CA16HI	WA-08-1090
8	SAMMAMISH RIVER	Fecal Coliform	25N	05E	11			CA16HI	WA-08-1100
8	SAMMAMISH RIVER	Fecal Coliform	26N	04E	12			ZC89FB	WA-08-1050
8	SAMMAMISH RIVER	Fecal Coliform	26N	05E	08			CA16HI	WA-08-1070
8	SAMMAMISH RIVER	pH	25N	05E	11			CA16HI	WA-08-1100
8	SAMMAMISH RIVER	Temperature	25N	05E	11			CA16HI	WA-08-1100
8	SAMMAMISH RIVER	Temperature	26N	04E	12			ZC89FB	WA-08-1050
8	SAMMAMISH RIVER	Temperature	26N	05E	08			CA16HI	WA-08-1070
8	SCRIBER LAKE	Total Phosphorus	27N	04E	21			414VNQ	WA-08-9280
8	SILVER LAKE	Fecal Coliform	28N	05E	30			740PLK	WA-08-9300
8	SWAMP CREEK	Dissolved Oxygen	26N	04E	02			GJ57UL	WA-08-1060
8	SWAMP CREEK	Dissolved Oxygen	26N	04E	12			GJ57UL	WA-08-1060
8	SWAMP CREEK	Dissolved Oxygen	27N	04E	02			GJ57UL	WA-08-1060
8	SWAMP CREEK	Fecal Coliform	26N	04E	02			GJ57UL	WA-08-1060
8	SWAMP CREEK	Fecal Coliform	27N	04E	02			GJ57UL	WA-08-1060
8	THORNTON CREEK	Fecal Coliform	26N	04E	34			VQ98YZ	WA-08-1020

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
8	TIBBETTS CREEK	Fecal Coliform	24N	06E	20			MB51QQ	WA-08-1115
8	TIBBETTS CREEK	Fecal Coliform	24N	06E	29			EA48LQ	WA-08-1115
8	UNION LAKE / LAKE WASHINGTON SHIP CANAL	Dieldrin	25N	04E	19			043HCN	WA-08-9340
8	UNION LAKE / LAKE WASHINGTON SHIP CANAL	Sediment Bioassay	25N	04E	19			043HCN	WA-08-9340
8	WASHINGTON LAKE	Fecal Coliform				47.505	122.205	213HVK	WA-08-9350
8	WASHINGTON LAKE	Fecal Coliform				47.535	122.265	213HVK	WA-08-9350
8	WASHINGTON LAKE	Fecal Coliform				47.545	122.195	213HVK	WA-08-9350
8	WASHINGTON LAKE	Fecal Coliform				47.555	122.255	213HVK	WA-08-9350
8	WASHINGTON LAKE	Fecal Coliform				47.605	122.285	213HVK	WA-08-9350
8	WASHINGTON LAKE	Fecal Coliform				47.615	122.215	213HVK	WA-08-9350
8	WASHINGTON LAKE	Fecal Coliform				47.635	122.275	213HVK	WA-08-9350
8	WASHINGTON LAKE	Fecal Coliform				47.665	122.205	213HVK	WA-08-9350
8	WASHINGTON LAKE	Fecal Coliform				47.685	122.245	213HVK	WA-08-9350
8	WASHINGTON LAKE	Fecal Coliform				47.695	122.265	213HVK	WA-08-9350
8	WASHINGTON LAKE	Fecal Coliform				47.705	122.215	213HVK	WA-08-9350
8	WASHINGTON LAKE	Fecal Coliform	25N	04E	16	47.505	122.215	213HVK	WA-08-9350
8	WASHINGTON LAKE	Fecal Coliform	25N	04E	16	47.525	122.265	213HVK	WA-08-9350
8	WASHINGTON LAKE	Fecal Coliform	25N	04E	16	47.585	122.265	213HVK	WA-08-9350
8	WASHINGTON LAKE	Fecal Coliform	25N	04E	16	47.615	122.215	213HVK	WA-08-9350
8	WASHINGTON LAKE	Fecal Coliform	25N	04E	16	47.675	122.205	213HVK	WA-08-9350
8	WASHINGTON LAKE	Fecal Coliform	25N	04E	16	47.695	122.275	213HVK	WA-08-9350
8	WASHINGTON LAKE	Fecal Coliform	25N	04E	16	47.705	122.215	213HVK	WA-08-9350
8	WASHINGTON LAKE	Sediment Bioassay	25N	04E	16	47.525	122.205	213HVK	WA-08-9350
8	YARROW BAY CREEK	Fecal Coliform	25N	05E	17			IE91MG	WA-08-1014
9	COLD SPRINGS CREEK	Fecal Coliform	22N	04E	20			DR54QH	WA-09-2010

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
9	CRISP CREEK	Fecal Coliform	21N	06E	20			SM16VT	None26
9	DES MOINES CREEK	Fecal Coliform	22N	04E	08			VX71MY	WA-09-2000
9	DUWAMISH WATERWAY AND RIVER	1,2,4-Trichlorobenzene	24N	04E	07			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	1,4-Dichlorobenzene	24N	03E	13			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	1,4-Dichlorobenzene	24N	04E	07			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	1,4-Dichlorobenzene	24N	04E	18			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	1,4-Dichlorobenzene	24N	04E	19			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	2,4-Dimethylphenol	24N	03E	12			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	2-Methylnaphthalen	24N	04E	19			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	4-Methylphenol	24N	03E	12			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Acenaphthene	24N	03E	12			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Acenaphthene	24N	03E	13			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Acenaphthene	24N	04E	07			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Acenaphthene	24N	04E	18			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Acenaphthene	24N	04E	19			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Anthracene	24N	04E	07			IG58VD	WA-09-1010

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
9	DUWAMISH WATERWAY AND RIVER	Arsenic	24N	03E	12			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Arsenic	24N	04E	07			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Arsenic	24N	04E	18			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Arsenic	24N	04E	19			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Arsenic	24N	04E	30			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Benz(a)anthracene	24N	03E	12			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Benz(a)anthracene	24N	03E	13			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Benz(a)anthracene	24N	04E	07			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Benzo(a)pyrene	24N	03E	12			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Benzo(a)pyrene	24N	03E	13			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Benzo(a)pyrene	24N	04E	19			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Benzo(b,k)fluoranthenes	24N	03E	12			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Benzo(b,k)fluoranthenes	24N	03E	13			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Benzo(g,h,i)perylen	24N	03E	12			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Benzo(g,h,i)perylen	24N	03E	13			DH90GX	WA-09-1010

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
9	DUWAMISH WATERWAY AND RIVER	Benzo(g,h,i)perylen	24N	04E	07			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Benzo(g,h,i)perylen	24N	04E	18			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Benzoic acid	24N	04E	18			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Benzoic acid	24N	04E	18			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Benzoic acid	24N	04E	19			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Benzyl alcohol	24N	03E	12			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Bis(2-ethylhexyl) phthalate	24N	03E	12			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Bis(2-ethylhexyl) phthalate	24N	04E	07			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Bis(2-ethylhexyl) phthalate	24N	04E	18			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Bis(2-ethylhexyl) phthalate	24N	04E	18			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Bis(2-ethylhexyl) phthalate	24N	04E	19			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Butylbenzyl phthalate	24N	03E	12			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Butylbenzyl phthalate	24N	04E	07			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Butylbenzyl phthalate	24N	04E	18			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Butylbenzyl phthalate	24N	04E	19			IG58VD	WA-09-1010

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
9	DUWAMISH WATERWAY AND RIVER	Cadmium	24N	03E	12			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Cadmium	24N	03E	13			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Cadmium	24N	04E	07			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Cadmium	24N	04E	18			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Cadmium	24N	04E	19			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Cadmium	24N	04E	30			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Chromium	24N	03E	12			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Chrysene	24N	03E	12			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Chrysene	24N	03E	13			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Chrysene	24N	04E	07			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Copper	24N	03E	12			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Copper	24N	04E	07			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Copper	24N	04E	19			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Dibenz(a,h)anthracene	24N	03E	12			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Dibenz(a,h)anthracene	24N	03E	13			DH90GX	WA-09-1010

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
9	DUWAMISH WATERWAY AND RIVER	Dibenz(a,h)anthracene	24N	04E	07			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Dibenz(a,h)anthracene	24N	04E	18			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Dibenzofuran	24N	03E	12			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Dibenzofuran	24N	03E	13			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Dibenzofuran	24N	04E	07			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Dibenzofuran	24N	04E	19			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Diethyl phthalate	24N	03E	12			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Dimethyl phthalate	24N	04E	18			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Dissolved Oxygen	24N	04E	32			SJ46KE	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Fecal Coliform	23N	04E	10			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Fecal Coliform	24N	04E	32			SJ46KE	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Fluoranthene	24N	03E	12			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Fluoranthene	24N	03E	13			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Fluoranthene	24N	04E	07			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Fluoranthene	24N	04E	19			IG58VD	WA-09-1010

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
9	DUWAMISH WATERWAY AND RIVER	Fluorene	24N	03E	12			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Fluorene	24N	03E	13			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Fluorene	24N	04E	07			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Fluorene	24N	04E	19			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Fluorene	24N	04E04E	07			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Hexachlorobenzene	24N	03E	12			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Indeno(1,2,3-cd)pyrene	24N	03E	12			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Indeno(1,2,3-cd)pyrene	24N	03E	13			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Indeno(1,2,3-cd)pyrene	24N	04E	07			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Indeno(1,2,3-cd)pyrene	24N	04E	19			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Lead	24N	03E	12			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Lead	24N	04E	07			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Lead	24N	04E	18			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Lead	24N	04E	19			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Mercury	24N	03E	12			DH90GX	WA-09-1010

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
9	DUWAMISH WATERWAY AND RIVER	Mercury	24N	03E	13			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Mercury	24N	04E	07			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Mercury	24N	04E	18			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Mercury	24N	04E	18			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Mercury	24N	04E	19			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	N-nitrosodiphenylamine	24N	03E	12			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Naphthalene				47.595	122.345	390KRD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Naphthalene	24N	04E	07			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	PAHs	24N	04E	07			IG59VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	PCB-1254	24N	03E	12			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	PCB-1260	24N	03E	12			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	pH	23N	04E	04			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	pH	23N	04E	09			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	pH	23N	04E	11			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	pH	24N	04E	18			IG58VD	WA-09-1010

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
9	DUWAMISH WATERWAY AND RIVER	pH	24N	04E	19			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	pH	24N	04E	29			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	pH	24N	04E	30			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	pH	24N	04E	33			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Phenanthrene	24N	03E	12			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Phenanthrene	24N	03E	13			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Phenanthrene	24N	04E	07			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Phenanthrene	24N	04E	18			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Phenanthrene	24N	04E	19			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Phenol	24N	03E	12			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Phenol	24N	03E	13			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Phenol	24N	04E	07			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Phenol	24N	04E	18			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Phenol	24N	04E	19			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Pyrene	24N	03E	13			DH90GX	WA-09-1010

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
9	DUWAMISH WATERWAY AND RIVER	Sediment Bioassay	24N	04E	07			IG59VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Silver	24N	04E	18			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Silver	24N	04E	19			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Total PCBs	24N	03E	12			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Total PCBs	24N	03E	13			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Total PCBs	24N	04E	07			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Total PCBs	24N	04E	07			IG59VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Total PCBs	24N	04E	18			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Total PCBs	24N	04E	19			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Total PCBs	24N	04E	30			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Zinc	24N	03E	12			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Zinc	24N	04E	07			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Zinc	24N	04E	18			DH90GX	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Zinc	24N	04E	18			IG58VD	WA-09-1010
9	DUWAMISH WATERWAY AND RIVER	Zinc	24N	04E	19			IG58VD	WA-09-1010

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
9	DUWAMISH WATERWAY AND RIVER	Zinc	24N	04E	30			IG58VD	WA-09-1010
9	ELLIOTT BAY	1,2,4-Trichlorobenzene				47.595	122.345	390KRD	WA-09-0010
9	ELLIOTT BAY	1,4-Dichlorobenzene				47.595	122.335	390KRD	WA-09-0010
9	ELLIOTT BAY	1,4-Dichlorobenzene				47.595	122.345	390KRD	WA-09-0010
9	ELLIOTT BAY	2,4-Dimethylphenol				47.585	122.355	390KRD	WA-09-0010
9	ELLIOTT BAY	2,4-Dimethylphenol				47.585	122.365	390KRD	WA-09-0010
9	ELLIOTT BAY	2,4-Dimethylphenol				47.605	122.345	390KRD	WA-09-0010
9	ELLIOTT BAY	2-Methylnaphthalen				47.585	122.355	390KRD	WA-09-0010
9	ELLIOTT BAY	2-Methylnaphthalen				47.585	122.365	390KRD	WA-09-0010
9	ELLIOTT BAY	Acenaphthene				47.585	122.355	390KRD	WA-09-0010
9	ELLIOTT BAY	Acenaphthene				47.585	122.365	390KRD	WA-09-0010
9	ELLIOTT BAY	Acenaphthene				47.595	122.335	390KRD	WA-09-0010
9	ELLIOTT BAY	Acenaphthene				47.605	122.345	390KRD	WA-09-0010
9	ELLIOTT BAY	Acenaphthylene				47.585	122.365	390KRD	WA-09-0010
9	ELLIOTT BAY	Anthracene				47.585	122.355	390KRD	WA-09-0010
9	ELLIOTT BAY	Anthracene				47.585	122.365	390KRD	WA-09-0010
9	ELLIOTT BAY	Arsenic				47.585	122.355	390KRD	WA-09-0010
9	ELLIOTT BAY	Arsenic				47.585	122.365	390KRD	WA-09-0010
9	ELLIOTT BAY	Arsenic				47.595	122.335	390KRD	WA-09-0010
9	ELLIOTT BAY	Benz(a)anthracene				47.585	122.355	390KRD	WA-09-0010
9	ELLIOTT BAY	Benz(a)anthracene				47.585	122.365	390KRD	WA-09-0010
9	ELLIOTT BAY	Benzo(a)pyrene				47.585	122.355	390KRD	WA-09-0010
9	ELLIOTT BAY	Benzo(a)pyrene				47.585	122.365	390KRD	WA-09-0010
9	ELLIOTT BAY	Benzo(a)pyrene				47.605	122.345	390KRD	WA-09-0010
9	ELLIOTT BAY	Benzo(b,k)fluoranthe				47.585	122.355	390KRD	WA-09-0010

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
9	ELLIOTT BAY	Benzo(b,k)fluoranthenes				47.585	122.365	390KRD	WA-09-0010
9	ELLIOTT BAY	Benzo(b,k)fluoranthenes				47.605	122.345	390KRD	WA-09-0010
9	ELLIOTT BAY	Benzo(g,h,i)perylen				47.585	122.355	390KRD	WA-09-0010
9	ELLIOTT BAY	Benzo(g,h,i)perylen				47.585	122.365	390KRD	WA-09-0010
9	ELLIOTT BAY	Benzo(g,h,i)perylen				47.595	122.335	390KRD	WA-09-0010
9	ELLIOTT BAY	Benzo(g,h,i)perylen				47.595	122.345	390KRD	WA-09-0010
9	ELLIOTT BAY	Benzo(g,h,i)perylen				47.605	122.335	390KRD	WA-09-0010
9	ELLIOTT BAY	Benzo(g,h,i)perylen				47.605	122.345	390KRD	WA-09-0010
9	ELLIOTT BAY	Benzoic acid				47.605	122.345	390KRD	WA-09-0010
9	ELLIOTT BAY	Benzyl alcohol				47.595	122.335	390KRD	WA-09-0010
9	ELLIOTT BAY	Bis(2-ethylhexyl) phthalate				47.585	122.355	390KRD	WA-09-0010
9	ELLIOTT BAY	Bis(2-ethylhexyl) phthalate				47.585	122.365	390KRD	WA-09-0010
9	ELLIOTT BAY	Bis(2-ethylhexyl) phthalate				47.595	122.345	390KRD	WA-09-0010
9	ELLIOTT BAY	Bis(2-ethylhexyl) phthalate				47.615	122.355	390KRD	WA-09-0010
9	ELLIOTT BAY	Butylbenzyl phthalate				47.585	122.355	390KRD	WA-09-0010
9	ELLIOTT BAY	Butylbenzyl phthalate				47.605	122.335	390KRD	WA-09-0010
9	ELLIOTT BAY	Cadmium				47.585	122.355	390KRD	WA-09-0010
9	ELLIOTT BAY	Cadmium				47.595	122.335	390KRD	WA-09-0010
9	ELLIOTT BAY	Cadmium				47.595	122.345	390KRD	WA-09-0010
9	ELLIOTT BAY	Chromium				47.585	122.365	390KRD	WA-09-0010

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
9	ELLIOTT BAY	Chromium				47.605	122.345	390KRD	WA-09-0010
9	ELLIOTT BAY	Chrysene				47.585	122.355	390KRD	WA-09-0010
9	ELLIOTT BAY	Chrysene				47.585	122.365	390KRD	WA-09-0010
9	ELLIOTT BAY	Chrysene				47.605	122.345	390KRD	WA-09-0010
9	ELLIOTT BAY	Copper				47.585	122.355	390KRD	WA-09-0010
9	ELLIOTT BAY	Copper				47.585	122.365	390KRD	WA-09-0010
9	ELLIOTT BAY	Copper				47.595	122.335	390KRD	WA-09-0010
9	ELLIOTT BAY	Copper				47.605	122.345	390KRD	WA-09-0010
9	ELLIOTT BAY	Copper				47.615	122.355	390KRD	WA-09-0010
9	ELLIOTT BAY	Di-n-octyl phthalate				47.585	122.365	390KRD	WA-09-0010
9	ELLIOTT BAY	Dibenz(a,h)anthracene				47.585	122.365	390KRD	WA-09-0010
9	ELLIOTT BAY	Dibenz(a,h)anthracene				47.595	122.335	390KRD	WA-09-0010
9	ELLIOTT BAY	Dibenz(a,h)anthracene				47.605	122.335	390KRD	WA-09-0010
9	ELLIOTT BAY	Dibenz(a,h)anthracene				47.605	122.345	390KRD	WA-09-0010
9	ELLIOTT BAY	Dibenzo(a,h)anthracene				47.585	122.355	390KRD	WA-09-0010
9	ELLIOTT BAY	Dibenzofuran				47.585	122.355	390KRD	WA-09-0010
9	ELLIOTT BAY	Dibenzofuran				47.585	122.365	390KRD	WA-09-0010
9	ELLIOTT BAY	Dibenzofuran				47.595	122.335	390KRD	WA-09-0010
9	ELLIOTT BAY	Dibenzofuran				47.605	122.345	390KRD	WA-09-0010
9	ELLIOTT BAY	Diethyl phthalate				47.585	122.355	390KRD	WA-09-0010
9	ELLIOTT BAY	Fecal Coliform				47.595	122.345	390KRD	WA-09-0010
9	ELLIOTT BAY	Fecal Coliform				47.595	122.365	390KRD	WA-09-0010
9	ELLIOTT BAY	Fecal Coliform				47.625	122.365	390KRD	WA-09-0010

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
9	ELLIOTT BAY	Fluoranthene				47.585	122.355	390KRD	WA-09-0010
9	ELLIOTT BAY	Fluoranthene				47.585	122.365	390KRD	WA-09-0010
9	ELLIOTT BAY	Fluoranthene				47.605	122.335	390KRD	WA-09-0010
9	ELLIOTT BAY	Fluoranthene				47.605	122.345	390KRD	WA-09-0010
9	ELLIOTT BAY	Fluorene				47.585	122.355	390KRD	WA-09-0010
9	ELLIOTT BAY	Fluorene				47.585	122.365	390KRD	WA-09-0010
9	ELLIOTT BAY	Fluorene				47.595	122.335	390KRD	WA-09-0010
9	ELLIOTT BAY	Fluorene				47.605	122.335	390KRD	WA-09-0010
9	ELLIOTT BAY	Fluorene				47.605	122.345	390KRD	WA-09-0010
9	ELLIOTT BAY	Hexachlorobenzene				47.585	122.355	390KRD	WA-09-0010
9	ELLIOTT BAY	HPAH				47.585	122.355	390KRD	WA-09-0010
9	ELLIOTT BAY	Indeno(1,2,3-cd)pyrene				47.585	122.355	390KRD	WA-09-0010
9	ELLIOTT BAY	Indeno(1,2,3-cd)pyrene				47.585	122.365	390KRD	WA-09-0010
9	ELLIOTT BAY	Indeno(1,2,3-cd)pyrene				47.595	122.335	390KRD	WA-09-0010
9	ELLIOTT BAY	Indeno(1,2,3-cd)pyrene				47.605	122.335	390KRD	WA-09-0010
9	ELLIOTT BAY	Indeno(1,2,3-cd)pyrene				47.605	122.345	390KRD	WA-09-0010
9	ELLIOTT BAY	Lead				47.595	122.335	390KRD	WA-09-0010
9	ELLIOTT BAY	Lead				47.605	122.335	390KRD	WA-09-0010
9	ELLIOTT BAY	Lead				47.605	122.345	390KRD	WA-09-0010
9	ELLIOTT BAY	LPAH				47.585	122.355	390KRD	WA-09-0010
9	ELLIOTT BAY	Mercury				47.585	122.355	390KRD	WA-09-0010
9	ELLIOTT BAY	Mercury				47.585	122.365	390KRD	WA-09-0010
9	ELLIOTT BAY	Mercury				47.595	122.335	390KRD	WA-09-0010

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
9	ELLIOTT BAY	Mercury				47.595	122.345	390KRD	WA-09-0010
9	ELLIOTT BAY	Mercury				47.605	122.335	390KRD	WA-09-0010
9	ELLIOTT BAY	Mercury				47.605	122.345	390KRD	WA-09-0010
9	ELLIOTT BAY	Mercury				47.615	122.355	390KRD	WA-09-0010
9	ELLIOTT BAY	N-nitrosodiphenylamine				47.585	122.365	390KRD	WA-09-0010
9	ELLIOTT BAY	Naphthalene				47.585	122.365	390KRD	WA-09-0010
9	ELLIOTT BAY	Naphthalene				47.595	122.345	390KRD	WA-09-0010
9	ELLIOTT BAY	Pentachlorophenol				47.605	122.345	390KRD	WA-09-0010
9	ELLIOTT BAY	Phenanthrene				47.585	122.355	390KRD	WA-09-0010
9	ELLIOTT BAY	Phenanthrene				47.585	122.365	390KRD	WA-09-0010
9	ELLIOTT BAY	Phenanthrene				47.595	122.335	390KRD	WA-09-0010
9	ELLIOTT BAY	Phenanthrene				47.605	122.335	390KRD	WA-09-0010
9	ELLIOTT BAY	Phenanthrene				47.605	122.345	390KRD	WA-09-0010
9	ELLIOTT BAY	Phenol				47.585	122.355	390KRD	WA-09-0010
9	ELLIOTT BAY	Pyrene				47.585	122.365	390KRD	WA-09-0010
9	ELLIOTT BAY	Pyrene				47.605	122.335	390KRD	WA-09-0010
9	ELLIOTT BAY	Sediment Bioassay				47.585	122.365	390KRD	WA-09-0010
9	ELLIOTT BAY	Silver				47.615	122.355	390KRD	WA-09-0010
9	ELLIOTT BAY	Total PCBs				47.585	122.355	390KRD	WA-09-0010
9	ELLIOTT BAY	Total PCBs				47.585	122.365	390KRD	WA-09-0010
9	ELLIOTT BAY	Total PCBs				47.595	122.335	390KRD	WA-09-0010
9	ELLIOTT BAY	Total PCBs				47.595	122.345	390KRD	WA-09-0010
9	ELLIOTT BAY	Total PCBs				47.605	122.335	390KRD	WA-09-0010
9	ELLIOTT BAY	Total PCBs				47.605	122.345	390KRD	WA-09-0010
9	ELLIOTT BAY	Zinc				47.585	122.355	390KRD	WA-09-0010

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
9	ELLIOTT BAY	Zinc				47.585	122.365	390KRD	WA-09-0010
9	ELLIOTT BAY	Zinc				47.595	122.335	390KRD	WA-09-0010
9	ELLIOTT BAY	Zinc				47.605	122.345	390KRD	WA-09-0010
9	FAUNTLEROY CREEK	Fecal Coliform	24N	03E	35			BS29QB	WA-09-1005
9	FAUNTLEROY CREEK	Fecal Coliform	24N	03E	99			BS29QB	WA-09-1005
9	GALE CREEK	Temperature	21N	08E	36			ML05JG	WA-09-1041
9	GREEN RIVER	Chromium	22N	04E	11			YD05HE	WA-09-1020
9	GREEN RIVER	Chromium	23N	04E	24			YD05HE	WA-09-1020
9	GREEN RIVER	Fecal Coliform	21N	05E	21			YD05HE	WA-09-1020
9	GREEN RIVER	Fecal Coliform	22N	04E	11			YD05HE	WA-09-1020
9	GREEN RIVER	Fecal Coliform	23N	04E	24			YD05HE	WA-09-1020
9	GREEN RIVER	Fecal Coliform	23N	04E	25			YD05HE	WA-09-1020
9	GREEN RIVER	Mercury	22N	04E	11			YD05HE	WA-09-1020
9	GREEN RIVER	Mercury	23N	04E	24			YD05HE	WA-09-1020
9	GREEN RIVER	Mercury	23N	04E	25			YD05HE	WA-09-1020
9	GREEN RIVER	Temperature	21N	05E	22			AJ33YB	WA-09-1020
9	GREEN RIVER	Temperature	21N	06E	29			YD05HE	WA-09-1020
9	GREEN RIVER	Temperature	21N	08E	18			AB62OX	WA-09-1030
9	GREEN RIVER	Temperature	21N	08E	28			YD05HE	WA-09-1030
9	GREEN RIVER	Temperature	22N	04E	11			YD05HE	WA-09-1020
9	GREEN RIVER	Temperature	22N	04E	15			FK76HV	WA-09-1020
9	GREEN RIVER	Temperature	22N	05E	30			YD05HE	WA-09-1020
9	GREEN RIVER	Temperature	23N	04E	24			YD05HE	WA-09-1020
9	HICKS (GARRETT) LAKE	Fecal Coliform	23N	04E	06			322NQY	WA-09-9120
9	HICKS (GARRETT) LAKE	Total Phosphorus	23N	04E	06			322NQY	WA-09-9120
9	HILL (MILL) CREEK	Dissolved Oxygen	21N	04E	01			BI99NR	WA-09-1022

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
9	HILL (MILL) CREEK	Dissolved Oxygen	22N	04E	25			BI99NR	WA-09-1022
9	HILL (MILL) CREEK	Dissolved Oxygen	22N	04E	26			BI99NR	WA-09-1022
9	HILL (MILL) CREEK	Dissolved Oxygen	22N	04E	35			BI99NR	WA-09-1022
9	HILL (MILL) CREEK	Fecal Coliform	21N	04E	01			BI99NR	WA-09-1022
9	HILL (MILL) CREEK	Fecal Coliform	21N	04E	15			BI99NR	WA-09-1022
9	HILL (MILL) CREEK	Fecal Coliform	22N	04E	25			BI99NR	WA-09-1022
9	HILL (MILL) CREEK	Fecal Coliform	22N	04E	25			BI99NR	WA-09-1022
9	HILL (MILL) CREEK	Fecal Coliform	22N	04E	26			BI99NR	WA-09-1022
9	HILL (MILL) CREEK	Fecal Coliform	22N	04E	35			BI99NR	WA-09-1022
9	HILL (MILL) CREEK	Temperature	21N	04E	01			BI99NR	WA-09-1022
9	HILL (MILL) CREEK	Temperature	22N	04E	25			BI99NR	WA-09-1022
9	HILL (MILL) CREEK	Temperature	22N	04E	35			BI99NR	WA-09-1022
9	JOE'S CREEK	Fecal Coliform	21N	03E	12			GV05FS	WA-09-2040
9	LAKOTA CREEK	Fecal Coliform	21N	03E	12			CN61UF	WA-09-2030
9	LONGFELLOW CREEK	Fecal Coliform	24N	03E	13			SM45HV	WA-09-1000
9	LONGFELLOW CREEK	Fecal Coliform	24N	03E	24			SM45HV	WA-09-1000
9	LONGFELLOW CREEK	Fecal Coliform	24N	03E	36			NO-ID	WA-09-1000
9	MERIDIAN LAKE	Fecal Coliform	22N	05E	27			148NFC	WA-09-9160
9	MERIDIAN LAKE	Total Phosphorus	22N	05E	27			148NFC	WA-09-9160
9	MULLEN SLOUGH	Dissolved Oxygen	22N	04E	23			BP27QP	None23
9	MULLEN SLOUGH	Dissolved Oxygen	22N	04E	26			BP27QP	None23
9	MULLEN SLOUGH	Fecal Coliform	22N	04E	26			BP27QP	None23
9	MULLEN SLOUGH	Temperature	22N	04E	23			BP27QP	None23
9	MULLEN SLOUGH	Temperature	22N	04E	26			BP27QP	None23
9	NEWAUKUM CREEK	Ammonia-N	21N	06E	03			JX80LS	WA-09-1028
9	NEWAUKUM CREEK	Dissolved Oxygen	20N	07E	07			LT44JU	WA-09-1028

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
9	NEWAUKUM CREEK	Fecal Coliform	20N	06E	10			JX80LS	WA-09-1028
9	NEWAUKUM CREEK	Fecal Coliform	20N	06E	12			JX80LS	WA-09-1028
9	NEWAUKUM CREEK	Fecal Coliform	20N	07E	07			JX80LS	WA-09-1028
9	NEWAUKUM CREEK	Fecal Coliform	20N	07E	07			LT44JU	WA-09-1028
9	NEWAUKUM CREEK	Fecal Coliform	20N	07E	07			RR29EG	WA-09-1028
9	NEWAUKUM CREEK	Fecal Coliform	20N	07E	09			LT44JU	WA-09-1028
9	NEWAUKUM CREEK	Fecal Coliform	21N	06E	03			JX80LS	WA-09-1028
9	NEWAUKUM CREEK	Fecal Coliform	21N	06E	28			KE55XH	WA-09-1028
9	PUGET SOUND (S-CENTRAL) AND EAST PASSAGE	Ammonia-N				47.525	122.395	390KRD	WA-PS-0270
9	PUGET SOUND (S-CENTRAL) AND EAST PASSAGE	Fecal Coliform				47.465	122.365	390KRD	WA-PS-0270
9	PUGET SOUND (S-CENTRAL) AND EAST PASSAGE	Fecal Coliform				47.525	122.395	390KRD	WA-PS-0270
9	PUGET SOUND (S-CENTRAL) AND EAST PASSAGE	Fecal Coliform				47.535	122.395	390KRD	WA-PS-0270
9	PUGET SOUND (S-CENTRAL) AND EAST PASSAGE	Fecal Coliform				47.545	122.395	390KRD	WA-PS-0270
9	PUGET SOUND (S-CENTRAL) AND EAST PASSAGE	Fecal Coliform				47.555	122.395	390KRD	WA-PS-0270
9	PUGET SOUND (S-CENTRAL) AND EAST PASSAGE	Fecal Coliform				47.565	122.405	390KRD	WA-PS-0270
9	PUGET SOUND (S-CENTRAL) AND EAST	Fecal Coliform				47.575	122.415	390KRD	WA-PS-0270

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
9	PUGET SOUND (S-CENTRAL) AND EAST PASSAGE	pH				47.415	122.385	390KRD	WA-PS-0270
9	REDONDO CREEK	Fecal Coliform	21N	04E	05			IF38BT	WA-09-2020
9	SMAY CREEK	Temperature	20N	09E	12			AX88SM	WA-09-1050
9	SOOS CREEK SYSTEM	Dissolved Oxygen	22N	05E	03			VY43OI	WA-09-1026
9	SOOS CREEK SYSTEM	Dissolved Oxygen	22N	05E	10			VY43OI	WA-09-1026
9	SOOS CREEK SYSTEM	Dissolved Oxygen	22N	05E	11			TI91MT	WA-09-1026
9	SOOS CREEK SYSTEM	Dissolved Oxygen	22N	05E	28			GS67LK	WA-09-1026
9	SOOS CREEK SYSTEM	Dissolved Oxygen	22N	05E	33			HH34YJ	WA-09-1026
9	SOOS CREEK SYSTEM	Fecal Coliform	21N	05E	03			RX82DV	WA-09-1026
9	SOOS CREEK SYSTEM	Fecal Coliform	21N	05E	10			HH34YJ	WA-09-1026
9	SOOS CREEK SYSTEM	Fecal Coliform	21N	05E	16			VY43OI	WA-09-1026
9	SOOS CREEK SYSTEM	Fecal Coliform	22N	05E	03			VY43OI	WA-09-1026
9	SOOS CREEK SYSTEM	Fecal Coliform	22N	05E	11			TI91MT	WA-09-1026
9	SOOS CREEK SYSTEM	Fecal Coliform	22N	05E	23			VY43OI	WA-09-1026
9	SOOS CREEK SYSTEM	Fecal Coliform	22N	05E	26			TI91MT	WA-09-1026
9	SOOS CREEK SYSTEM	Fecal Coliform	22N	05E	28			GS67LK	WA-09-1026
9	SOOS CREEK SYSTEM	Fecal Coliform	22N	05E	33			HH34YJ	WA-09-1026
9	SOOS CREEK SYSTEM	Fecal Coliform	22N	05E	36			NP20EM	WA-09-1026
9	SOOS CREEK SYSTEM	Temperature	22N	05E	24			TI91MT	WA-09-1026
9	SPRINGBROOK (MILL) CREEK	Cadmium	22N	04E	01			TS53NN	WA-09-1015
9	SPRINGBROOK (MILL) CREEK	Cadmium	23N	04E	24			BY98ES	WA-09-1015
9	SPRINGBROOK (MILL) CREEK	Chromium	23N	04E	24			BY98ES	WA-09-1015

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
9	SPRINGBROOK (MILL) CREEK	Chromium	23N	04E	24			SQ03FA	WA-09-1015
9	SPRINGBROOK (MILL) CREEK	Copper	22N	04E	01			TS53NN	WA-09-1015
9	SPRINGBROOK (MILL) CREEK	Dissolved Oxygen	23N	04E	24			BY98ES	WA-09-1015
9	SPRINGBROOK (MILL) CREEK	Dissolved Oxygen	23N	04E	24			SQ03FA	WA-09-1015
9	SPRINGBROOK (MILL) CREEK	Dissolved Oxygen	23N	05E	23			XN07SY	WA-09-1015
9	SPRINGBROOK (MILL) CREEK	Fecal Coliform	23N	04E	24			BY98ES	WA-09-1015
9	SPRINGBROOK (MILL) CREEK	Fecal Coliform	23N	04E	24			SQ03FA	WA-09-1015
9	SPRINGBROOK (MILL) CREEK	Fecal Coliform	23N	05E	23			XN07SY	WA-09-1015
9	SPRINGBROOK (MILL) CREEK	Mercury	23N	04E	24			BY98ES	WA-09-1015
9	SPRINGBROOK (MILL) CREEK	Mercury	23N	04E	24			SQ03FA	WA-09-1015
9	SPRINGBROOK (MILL) CREEK	Sediment Bioassay	22N	04E	01			TS53NN	WA-09-1015
9	SPRINGBROOK (MILL) CREEK	Temperature	23N	04E	24			BY98ES	WA-09-1015
9	SPRINGBROOK (MILL) CREEK	Temperature	23N	04E	24			SQ03FA	WA-09-1015
9	SPRINGBROOK (MILL) CREEK	Zinc	22N	04E	01			TS53NN	WA-09-1015
9	SPRINGBROOK (MILL) CREEK	Zinc	23N	04E	24			BY98ES	WA-09-1015

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
9	UNNAMED CREEK WDF# 09.0046	Dissolved Oxygen	22N	04E	34			ZR70IJ	None25
9	UNNAMED CREEK WDF# 09.0046	Fecal Coliform	22N	04E	34			ZR70IJ	None25
10	BOISE CREEK	Temperature	20N	07E	27			CZ10IN	WA-10-1032
10	CLARKS CREEK	Fecal Coliform	20N	04E	18			PX29AG	WA-10-1025
10	CLARKS CREEK	Fecal Coliform	20N	04E	19			AD37IU	WA-10-1025
10	CLARKS CREEK	Fecal Coliform	20N	04E	30			AD37IU	WA-10-1025
10	CLARKS CREEK	Fecal Coliform	20N	04E	37			AD37IU	WA-10-1025
10	CLARKS CREEK	Fecal Coliform	20N	04E	38			AD37IU	WA-10-1025
10	CLARKS CREEK	pH	20N	04E	32			AD37IU	WA-10-1025
10	CLEAR CREEK	Fecal Coliform	20N	03E	11			UP04FV	WA-10-1021
10	CLEARWATER RIVER	Temperature	19N	08E	17			YH06OQ	WA-10-1043
10	COMMENCEMENT BAY (INNER)	Dieldrin	21N	03E	99			GK89AF	WA-10-0020
10	COMMENCEMENT BAY (INNER)	Lead				47.265	122.415	390KRD	WA-10-0020
10	COMMENCEMENT BAY (INNER)	Mercury				47.265	122.415	390KRD	WA-10-0020
10	COMMENCEMENT BAY (INNER)	Total PCBs				47.265	122.415	390KRD	WA-10-0020
10	COMMENCEMENT BAY (INNER)	Zinc				47.265	122.415	390KRD	WA-10-0020
10	COMMENCEMENT BAY (OUTER)	2,4-Dimethylphenol				47.305	122.515	390KRD	WA-10-0010
10	COMMENCEMENT BAY (OUTER)	2-Methylphenol				47.305	122.515	390KRD	WA-10-0010
10	COMMENCEMENT BAY (OUTER)	Acenaphthene				47.305	122.515	390KRD	WA-10-0010

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
10	COMMENCEMENT BAY (OUTER)	Arsenic				47.305	122.515	390KRD	WA-10-0010
10	COMMENCEMENT BAY (OUTER)	Benzoic acid				47.305	122.515	390KRD	WA-10-0010
10	COMMENCEMENT BAY (OUTER)	Benzyl alcohol				47.305	122.515	390KRD	WA-10-0010
10	COMMENCEMENT BAY (OUTER)	Bis(2-ethylhexyl) phthalate				47.305	122.515	390KRD	WA-10-0010
10	COMMENCEMENT BAY (OUTER)	Butylbenzyl phthalate				47.305	122.515	390KRD	WA-10-0010
10	COMMENCEMENT BAY (OUTER)	Cadmium				47.305	122.515	390KRD	WA-10-0010
10	COMMENCEMENT BAY (OUTER)	Copper				47.305	122.515	390KRD	WA-10-0010
10	COMMENCEMENT BAY (OUTER)	Di-n-butyl phthalate				47.305	122.515	390KRD	WA-10-0010
10	COMMENCEMENT BAY (OUTER)	Dibenzofuran				47.305	122.515	390KRD	WA-10-0010
10	COMMENCEMENT BAY (OUTER)	Diethyl phthalate				47.305	122.515	390KRD	WA-10-0010
10	COMMENCEMENT BAY (OUTER)	Dissolved Oxygen				47.295	122.445	390KRD	WA-10-0010
10	COMMENCEMENT BAY (OUTER)	Fecal Coliform				47.295	122.445	390KRD	WA-10-0010
10	COMMENCEMENT BAY (OUTER)	Fluoranthene				47.305	122.515	390KRD	WA-10-0010
10	COMMENCEMENT BAY (OUTER)	Fluorene				47.305	122.515	390KRD	WA-10-0010
10	COMMENCEMENT BAY (OUTER)	Lead				47.305	122.515	390KRD	WA-10-0010

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
10	COMMENCEMENT BAY (OUTER)	Mercury				47.305	122.515	390KRD	WA-10-0010
10	COMMENCEMENT BAY (OUTER)	N-nitrosodiphenylamine				47.305	122.515	390KRD	WA-10-0010
10	COMMENCEMENT BAY (OUTER)	Naphthalene				47.305	122.515	390KRD	WA-10-0010
10	COMMENCEMENT BAY (OUTER)	Phenanthrene				47.305	122.515	390KRD	WA-10-0010
10	COMMENCEMENT BAY (OUTER)	Phenol				47.305	122.515	390KRD	WA-10-0010
10	COMMENCEMENT BAY (OUTER)	Silver				47.305	122.515	390KRD	WA-10-0010
10	COMMENCEMENT BAY (OUTER)	Total PCBs				47.305	122.515	390KRD	WA-10-0010
10	COMMENCEMENT BAY (OUTER)	Zinc				47.305	122.515	390KRD	WA-10-0010
10	FIFE DITCH	Ammonia-N	20N	03E	01			ZV38XK	WA-10-1012
10	FIFE DITCH	Dissolved Oxygen	20N	03E	01			ZV38XK	WA-10-1012
10	FIFE DITCH	Fecal Coliform	20N	03E	01			ZV38XK	WA-10-1012
10	FOX CREEK	Temperature	18N	05E	28			PA88SG	None29
10	GREENWATER RIVER	Temperature	19N	09E	11			IT88EW	WA-10-1046
10	GREENWATER RIVER	Temperature	19N	10E	22			IT88EW	WA-10-1046
10	GREENWATER RIVER	Temperature	19N	10E	25			IT88EW	WA-10-1046
10	HYLEBOS CREEK	Fecal Coliform	20N	04E	05			RL09XF	WA-10-1011
10	HYLEBOS CREEK, W.F.	Fecal Coliform	21N	04E	32			BT61HR	WA-10-1013
10	KINGS CREEK	Temperature	18N	05E	34			XK66ZF	None27
10	MEEKER DITCH	Dissolved Oxygen	20N	04E	33			WC64LH	WA-10-1028
10	MEEKER DITCH	Fecal Coliform	20N	04E	32			WC64LH	WA-10-1028

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
10	MEEKER DITCH	Fecal Coliform	20N	04E	33			WC64LH	WA-10-1028
10	MEEKER DITCH	pH	20N	04E	33			WC64LH	WA-10-1028
10	MEEKER DITCH	Temperature	20N	04E	33			WC64LH	WA-10-1028
10	PUYALLUP RIVER	Arsenic	20N	04E	21			PX29AG	WA-10-1020
10	PUYALLUP RIVER	Fecal Coliform	20N	04E	18			PX29AG	WA-10-1020
10	PUYALLUP RIVER	Fecal Coliform	20N	04E	21			PX29AG	WA-10-1020
10	PUYALLUP RIVER	Instream Flow	17N	06E	34			PX29AG	WA-10-1070
10	SCATTER CREEK	Temperature	19N	07E	11			LY34GL	WA-10-1041
10	SOUTH PRAIRIE CREEK	Fecal Coliform	19N	05E	14			VC19MO	WA-10-1085
10	SOUTH PRAIRIE CREEK	Temperature	19N	06E	23			VC19MO	WA-10-1085
10	SUMMIT LAKE	pH	18N	8E	17			588ANI	WA-10-9250
10	SWAN CREEK	Fecal Coliform	20N	03E	11			YA22IG	WA-10-1022
10	THEA FOSS (CITY) WATERWAY	PCB-1254	21N	03E	99			GK89AF	WA-10-0030
10	THEA FOSS (CITY) WATERWAY	PCB-1260	21N	03E	99			GK89AF	WA-10-0030
10	UNNAMED CREEK	Fecal Coliform	20N	04E	29			AD37IU	WA-10-1026
10	VOIGHT CREEK	Temperature	19N	05E	33			AG77JE	WA-10-1081
10	WAPATO CREEK	Dissolved Oxygen	20N	03E	01			MM40DB	WA-10-1015
10	WAPATO CREEK	Dissolved Oxygen	20N	04E	16			ZV38XK	WA-10-1015
10	WAPATO CREEK	Fecal Coliform	20N	03E	01			MM40DB	WA-10-1015
10	WAPATO CREEK	Fecal Coliform	20N	04E	16			ZV38XK	WA-10-1015
10	WAPATO CREEK	Instream Flow	20N	03E	01			MM40DB	WA-10-1015
10	WAPATO CREEK	Instream Flow	20N	03E	01			ZV38XK	WA-10-1015
10	WAPATO CREEK	Instream Flow	20N	03E	12			ZV38XK	WA-10-1015
10	WAPATO CREEK	Instream Flow	20N	04E	16			ZV38XK	WA-10-1015
10	WHITE (STUCK) RIVER	Copper	20N	06E	33			LY34GL	WA-10-1030

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
10	WHITE (STUCK) RIVER	Fecal Coliform	20N	04E	49			LY34GL	WA-10-1030
10	WHITE (STUCK) RIVER	Fecal Coliform	20N	06E	34			LY34GL	WA-10-1030
10	WHITE (STUCK) RIVER	Instream Flow	20N	04E	01			LY34GL	WA-10-1030
10	WHITE (STUCK) RIVER	Instream Flow	20N	06E	35			LY34GL	WA-10-1030
10	WHITE (STUCK) RIVER	Mercury	20N	06E	33			LY34GL	WA-10-1030
10	WHITE (STUCK) RIVER	pH	20N	04E	01			LY34GL	WA-10-1030
10	WHITE (STUCK) RIVER	pH	21N	04E	36			LY34GL	WA-10-1030
10	WHITE (STUCK) RIVER	pH	21N	05E	29			LY34GL	WA-10-1030
10	WHITE (STUCK) RIVER	Temperature	21N	04E	36			LY34GL	WA-10-1030
10	WHITE (STUCK) RIVER	Temperature	21N	05E	30			AU19FR	WA-10-1030
10	WHITE (STUCK) RIVER	Temperature	21N	05E	31			LY34GL	WA-10-1030
10	WILKENSON CREEK	Copper	19N	06E	28			NX07HW	WA-10-1087
10	WILKENSON CREEK	Temperature	19N	06E	34			NX07HW	WA-10-1087
11	CATT CREEK	Temperature	14N	07E	18			SG29YL	WA-11-1050
11	CLEAR LAKE	Total Phosphorus	16N	03E	31			650HOS	WA-11-9050
11	CLEAR LAKE	Total Phosphorus	17N	04E	27			792UHY	WA-11-9040
11	HARTS LAKE	Total Phosphorus	16N	03E	07			240QMC	WA-11-9090
11	McALLISTER CREEK	Dissolved Oxygen	18N	01E	37			LD26OX	WA-11-2000
11	McALLISTER CREEK	Dissolved Oxygen	18N	01E	38			LD26OX	WA-11-2000
11	McALLISTER CREEK	Fecal Coliform	18N	01E	37			LD26OX	WA-11-2000
11	McALLISTER CREEK	Fecal Coliform	18N	01E	38			LD26OX	WA-11-2000
11	NISQUALLY REACH/DRAYTON	Fecal Coliform				47.115	122.695	390KRD	WA-PS-0290
11	NISQUALLY RIVER	Fecal Coliform	18N	01E	08			OE72JI	WA-11-1010
11	OHOP CREEK	Fecal Coliform	16N	03E	25			MW64EV	WA-11-1024
11	OHOP LAKE	Total Phosphorus	16N	04E	10			688HMI	WA-11-9150

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
12	AMERICAN LAKE	Total Phosphorus	19N	02E	20			329BEX	WA-12-9010
12	CHAMBERS CREEK	Copper	20N	02E	41			DO71CI	WA-12-1110
12	CHAMBERS CREEK	Fecal Coliform	20N	02E	99			DO71CI	WA-12-1110
12	CHAMBERS CREEK	PCB-1254	20N	02E	99			DO71CI	WA-12-1110
12	CHAMBERS CREEK	PCB-1260	20N	02E	99			DO71CI	WA-12-1110
12	CHAMBERS CREEK	Temperature	20N	02E	41			DO71CI	WA-12-1110
12	CLOVER CREEK	Dissolved Oxygen	19N	02E	11			PS92IZ	WA-12-1115
12	CLOVER CREEK	Dissolved Oxygen	19N	02E	48			PS92IZ	WA-12-1115
12	CLOVER CREEK	Dissolved Oxygen	19N	03E	25			PS92IZ	WA-12-1115
12	CLOVER CREEK	Dissolved Oxygen	19N	03E	45			FC86XG	WA-12-1115
12	CLOVER CREEK	Dissolved Oxygen	19N	03E	48			PS92IZ	WA-12-1115
12	CLOVER CREEK	Fecal Coliform	19N	02E	11			PS92IZ	WA-12-1115
12	CLOVER CREEK	Fecal Coliform	19N	02E	48			PS92IZ	WA-12-1115
12	CLOVER CREEK	Fecal Coliform	19N	03E	42			PS92IZ	WA-12-1115
12	CLOVER CREEK	Fecal Coliform	19N	03E	47			PS92IZ	WA-12-1115
12	CLOVER CREEK	Fecal Coliform	19N	03E	48			FP21BP	WA-12-1115
12	CLOVER CREEK	Temperature	19N	02E	11			PS92IZ	WA-12-1115
12	CLOVER CREEK	Temperature	19N	02E	48			PS92IZ	WA-12-1115
12	CLOVER CREEK	Temperature	19N	03E	42			MK20YT	WA-12-1115
12	CLOVER CREEK	Temperature	19N	03E	47			PS92IZ	WA-12-1115
12	SNAKE LAKE	Dissolved Oxygen	20N	02E	12			186SBC	WA-12-9060
12	SNAKE LAKE	Fecal Coliform	20N	02E	12			186SBC	WA-12-9060
12	SNAKE LAKE	Total Phosphorus	20N	02E	12			186SBC	WA-12-9060
12	SPANAWAY CREEK	Temperature	19N	03E	49			FC86XG	WA-12-1120
12	STEILACOOM LAKE	Sediment Bioassay	20N	02E	34			425LMS	WA-12-9080
12	STEILACOOM LAKE	Total Phosphorus	20N	02E	34			425LMS	WA-12-9080

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
12	UNNAMED CREEK (tributary to Clover Creek at 99th Street)	Fecal Coliform	19N	03E	15			FP21BP	None31
12	UNNAMED CREEK (tributary to Clover Creek at Bingham Ave)	Fecal Coliform	19N	03E	23			PS92IZ	None30
12	UNNAMED CREEK (tributary to Clover Creek at Brookdale Rd.)	Fecal Coliform	19N	03E	48			FP21BP	None32
13	AYER (ELWANGER) CREEK	Dissolved Oxygen	17N	01W	07			XR83PB	WA-13-1015
13	AYER (ELWANGER) CREEK	Fecal Coliform	17N	01W	07			XR83PB	WA-13-1015
13	AYER (ELWANGER) CREEK	pH	17N	01W	07			XR83PB	WA-13-1015
13	BUDD INLET (INNER)	2-Methylnaphthalen				47.055	122.895	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Acenaphthene				47.055	122.895	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Acenaphthene				47.055	122.905	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Acenaphthylene				47.055	122.895	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Anthracene				47.055	122.895	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Benz(a)anthracene				47.055	122.895	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Benzo(a)pyrene				47.055	122.895	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Benzo(b)fluorene				47.055	122.895	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Benzo(b,k)fluoranthenes				47.055	122.895	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Benzo(g,h,i)perylen				47.055	122.895	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Benzo(k)fluorene				47.055	122.895	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Bis(2-ethylhexyl) phthalate				47.055	122.905	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Butylbenzyl phthalate				47.055	122.905	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Chromium				47.055	122.895	390KRD	WA-13-0030

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
13	BUDD INLET (INNER)	Chrysene				47.055	122.895	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Chrysene				47.055	122.905	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Copper				47.055	122.895	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Dibenz(a,h)anthracene				47.055	122.895	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Dibenzofuran				47.055	122.905	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Dissolved Oxygen				47.045	122.905	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Dissolved Oxygen				47.055	122.895	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Dissolved Oxygen				47.055	122.905	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Dissolved Oxygen				47.065	122.895	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Dissolved Oxygen				47.065	122.905	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Fluoranthene				47.055	122.895	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Fluoranthene				47.055	122.905	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Fluorene				47.055	122.895	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Fluorene				47.055	122.905	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Indeno(1,2,3-cd)pyrene				47.055	122.895	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Mercury				47.055	122.895	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Naphthalene				47.055	122.895	390KRD	WA-13-0030
13	BUDD INLET (INNER)	PAHs				47.055	122.895	390KRD	WA-13-0030
13	BUDD INLET (INNER)	PCB-1254				47.045	122.895	390KRD	WA-13-0030
13	BUDD INLET (INNER)	pH				47.055	122.895	390KRD	WA-13-0030
13	BUDD INLET (INNER)	pH				47.065	122.905	390KRD	WA-13-0030
13	BUDD INLET (INNER)	pH				47.075	122.915	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Phenanthrene				47.055	122.895	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Pyrene				47.055	122.895	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Sediment Bioassay				47.055	122.905	390KRD	WA-13-0030

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
13	BUDD INLET (INNER)	Total PCBs				47.055	122.905	390KRD	WA-13-0030
13	BUDD INLET (INNER)	Zinc				47.055	122.895	390KRD	WA-13-0030
13	BUDD INLET (OUTER)	Dissolved Oxygen				47.075	122.915	390KRD	WA-13-0020
13	BUDD INLET (OUTER)	Dissolved Oxygen				47.085	122.905	390KRD	WA-13-0020
13	BUDD INLET (OUTER)	Dissolved Oxygen				47.085	122.915	390KRD	WA-13-0020
13	BUDD INLET (OUTER)	Dissolved Oxygen				47.095	122.895	390KRD	WA-13-0020
13	BUDD INLET (OUTER)	Dissolved Oxygen				47.105	122.905	390KRD	WA-13-0020
13	BUDD INLET (OUTER)	Dissolved Oxygen				47.105	122.915	390KRD	WA-13-0020
13	BUDD INLET (OUTER)	pH				47.085	122.905	390KRD	WA-13-0020
13	BUDD INLET (OUTER)	pH				47.085	122.915	390KRD	WA-13-0020
13	BUDD INLET (OUTER)	pH				47.085	122.925	390KRD	WA-13-0020
13	BUDD INLET (OUTER)	pH				47.095	122.895	390KRD	WA-13-0020
13	BUDD INLET (OUTER)	pH				47.105	122.905	390KRD	WA-13-0020
13	BUDD INLET (OUTER)	pH				47.105	122.915	390KRD	WA-13-0020
13	BUDD INLET (OUTER)	pH				47.115	122.895	390KRD	WA-13-0020
13	BUDD INLET (OUTER)	pH				47.115	122.915	390KRD	WA-13-0020
13	BUDD INLET (OUTER)	pH				47.125	122.915	390KRD	WA-13-0020
13	CAPITOL (NORTH ARM) LAKE	Fecal Coliform	18N	02W	15			601ADB	WA-13-9020
13	CAPITOL (NORTH ARM) LAKE	Total Phosphorus	18N	02W	15			601ADB	WA-13-9020
13	DESCHUTES RIVER	Fecal Coliform	18N	02W	60			TM40PW	WA-13-1010
13	DESCHUTES RIVER	Fine Sediment	16N	02E	30			TM40PW	WA-13-1020
13	DESCHUTES RIVER	Instream Flow	16N	01E	22			TM40PW	WA-13-1020
13	DESCHUTES RIVER	Instream Flow	18N	02W	35			XL66UK	WA-13-1010
13	DESCHUTES RIVER	Large Woody	15N	03E	07			TM40PW	WA-13-1020
13	DESCHUTES RIVER	Large Woody	15N	03E	08			TM40PW	WA-13-1020

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
13	DESCHUTES RIVER	pH	18N	02W	60			TM40PW	WA-13-1010
13	DESCHUTES RIVER	Temperature	15N	03E	07			TM40PW	WA-13-1020
13	DESCHUTES RIVER	Temperature	16N	01E	18			ST93WM	WA-13-1020
13	DESCHUTES RIVER	Temperature	16N	02E	30			TM40PW	WA-13-1020
13	DESCHUTES RIVER	Temperature	16N	02E	34			TM40PW	WA-13-1020
13	DESCHUTES RIVER	Temperature	17N	01W	33			TM40PW	WA-13-1010
13	DESCHUTES RIVER	Temperature	18N	02W	60			TM40PW	WA-13-1010
13	DOBBS CREEK	Fecal Coliform	19N	01W	28			NO-ID	WA-13-1400
13	DOBBS CREEK	pH	19N	01W	28			NO-ID	WA-13-1400
13	HENDERSON INLET	Dissolved Oxygen				47.155	122.835	390KRD	WA-13-0010
13	HENDERSON INLET	Fecal Coliform				47.105	122.825	390KRD	WA-13-0010
13	HENDERSON INLET	Fecal Coliform				47.115	122.825	390KRD	WA-13-0010
13	HUCKLEBERRY CREEK	Temperature	15N	03E	17			RX35HU	WA-13-1024
13	INDIAN CREEK	Fecal Coliform	18N	01W	18			KX91JE	WA-13-1300
13	INDIAN CREEK	Fecal Coliform	18N	02W	41			KX91JE	WA-13-1300
13	McLANE CREEK	pH	18N	03W	24			SD15AI	WA-13-1100
13	MISSION CREEK	Fecal Coliform	18N	02W	11			NO-ID	WA-13-1380
13	MOXLIE CREEK	Fecal Coliform	18N	02W	27			HN77NY	WA-13-1350
13	NISQUALLY REACH/DRAYTON	Fecal Coliform				47.105	122.725	390KRD	WA-PS-0290
13	NISQUALLY REACH/DRAYTON	Fecal Coliform				47.125	122.765	390KRD	WA-PS-0290
13	RIECHEL CREEK	Fecal Coliform	16N	01E	27			PN14TO	WA-13-1022
13	SLEEPY (LIBBEY) CREEK	Dissolved Oxygen	19N	02W	18			NO-ID	WA-13-1700
13	SLEEPY (LIBBEY) CREEK	Fecal Coliform	19N	02W	18			NO-ID	WA-13-1700
13	SLEEPY (LIBBEY) CREEK	pH	19N	02W	18			NO-ID	WA-13-1700
13	SQUAXIN, PEALE, AND	Dissolved Oxygen				47.145	122.915	390KRD	WA-14-0010

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
13	SQUAXIN, PEALE, AND PICKERING PASSAGES	Dissolved Oxygen				47.145	122.925	390KRD	WA-14-0010
13	SQUAXIN, PEALE, AND PICKERING PASSAGES	pH				47.165	122.875	390KRD	WA-14-0010
13	WARD LAKE	PCB-1260	18N	02W	36			729WNB	WA-13-9200
13	WOODARD CREEK	Dissolved Oxygen	19N	01W	19			MJ83ZH	WA-13-1600
13	WOODARD CREEK	Fecal Coliform	19N	01W	19			MJ83ZH	WA-13-1600
13	WOODARD CREEK	pH	19N	01W	19			MJ83ZH	WA-13-1600
13	WOODLAND CREEK	Dissolved Oxygen	18N	01W	16			JH31LN	WA-13-1500
13	WOODLAND CREEK	Fecal Coliform	18N	01W	16			JH31LN	WA-13-1500
13	WOODLAND CREEK	Instream Flow	19N	01W	33			JH31LN	WA-13-1500
13	WOODLAND CREEK	Temperature	18N	01W	16			JH31LN	WA-13-1500
14	BURNS CREEK	Fecal Coliform	19N	03W	27			NO-ID	WA-14-1195
14	BURNS CREEK	pH	19N	03W	27			NO-ID	WA-14-1195
14	CAMPBELL CREEK	Fecal Coliform	20N	03W	13			BH46CN	WA-14-1850
14	CAMPBELL CREEK	Fecal Coliform	20N	03W	14			BH46CN	WA-14-1850
14	CASE INLET AND DANA PASSAGE	Dissolved Oxygen				47.265	122.845	390KRD	WA-PS-0090
14	CASE INLET AND DANA PASSAGE	Fecal Coliform				47.365	122.815	390KRD	WA-PS-0090
14	CASE INLET AND DANA PASSAGE	Fecal Coliform				47.395	122.825	390KRD	WA-PS-0090
14	GOLDSBOROUGH CREEK	Fecal Coliform	20N	03W	20			MI94TV	WA-14-1600
14	GREAT BEND/LYNCH COVE	Dissolved Oxygen				47.355	123.025	390KRD	WA-PS-0260
14	GREAT BEND/LYNCH COVE	Fecal Coliform				47.425	122.855	390KRD	WA-PS-0260
14	GREAT BEND/LYNCH COVE	pH				47.355	123.025	390KRD	WA-PS-0260
14	HAMMERSLEY INLET	Fecal Coliform				47.195	122.995	390KRD	WA-14-0100

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
14	HAPPY HALLOW CREEK	Fecal Coliform	22N	02W	22			NO-ID	WA-14-2030
14	KENNEDY CREEK	pH	19N	03W	32			AO33HF	WA-14-1300
14	OAKLAND BAY	Fecal Coliform				47.205	123.055	390KRD	WA-14-0110
14	OAKLAND BAY	Fecal Coliform				47.205	123.075	390KRD	WA-14-0110
14	OAKLAND BAY	Fecal Coliform				47.215	123.065	390KRD	WA-14-0110
14	OAKLAND BAY	Fecal Coliform				47.225	123.045	390KRD	WA-14-0110
14	OAKLAND BAY	Fecal Coliform				47.225	123.065	390KRD	WA-14-0110
14	PERRY CREEK	pH	18N	03W	13			FE29VY	WA-14-1100
14	PIERRE CREEK	Fecal Coliform	19N	03W	27			NO-ID	WA-14-1190
14	PIERRE CREEK	pH	19N	03W	27			NO-ID	WA-14-1190
14	SCHNEIDER CREEK	pH	19N	03W	33			ER21HD	WA-14-1200
14	SHELTON CREEK	Fecal Coliform	20N	03W	20			JZ99VQ	WA-14-1650
14	SHELTON HARBOR (INNER)	Fecal Coliform				47.205	123.095	390KRD	WA-14-0050
14	SKOOKUM CREEK	Fecal Coliform	19N	03W	19			BI64LF	WA-14-1400
14	TWANOH FALLS CREEK	pH	22N	02W	21			HL04LK	WA-14-2010
14	UNCLE JOHN CREEK	Fecal Coliform	20N	03W	14			NO-ID	WA-14-1800
14	UNNAMED CREEK	pH	22N	02W	22			NO-ID	WA-14-2020
15	ANNAPOLIS CREEK	Fecal Coliform	24N	01E	36			CS87QP	WA-15-4400
15	BARKER CREEK	Fecal Coliform	25N	01E	15			IQ67FF	WA-15-5100
15	BARKER CREEK	Fecal Coliform	25N	01E	22			IQ67FF	WA-15-5100
15	BEAR CREEK	Fecal Coliform	22N	01E	02			AP73BA	WA-15-1450
15	BEAR CREEK	Fecal Coliform	22N	01E	03			AP73BA	WA-15-1450
15	BEAVER CREEK	Fecal Coliform	24N	02E	16			LS41EH	WA-15-4900
15	BEAVER CREEK	Fecal Coliform	24N	02E	20			LS41EH	WA-15-4900
15	BIG BEEF CREEK	Temperature	24N	01W	04			FB10GH	WA-15-7000
15	BIG BEEF CREEK	Temperature	25N	01W	22			FB10GH	WA-15-7000

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
15	BLACKJACK CREEK	Fecal Coliform	23N	01E	11			LK41ZU	WA-15-4200
15	BLACKJACK CREEK	Fecal Coliform	24N	01E	25			LK41ZU	WA-15-4200
15	BLACKJACK CREEK	Fecal Coliform	24N	01E	26			LK41ZU	WA-15-4200
15	BLACKJACK CREEK	Fecal Coliform	24N	01E	35			LK41ZU	WA-15-4200
15	BURLEY CREEK	Fecal Coliform	22N	01E	01			NQ77DR	WA-15-1400
15	BURLEY CREEK	Fecal Coliform	22N	01E	11			NQ77DR	WA-15-1400
15	BURLEY CREEK	Fecal Coliform	23N	01E	24			NQ77DR	WA-15-1400
15	BURLEY CREEK	Fecal Coliform	23N	01E	25			NQ77DR	WA-15-1400
15	BURLEY CREEK	Fecal Coliform	23N	01E	36			NQ77DR	WA-15-1400
15	CARR INLET	Dissolved Oxygen				47.275	122.705	390KRD	WA-15-0060
15	CARR INLET	Fecal Coliform				47.265	122.745	390KRD	WA-15-0060
15	CASE INLET AND DANA PASSAGE	Fecal Coliform				47.375	122.825	390KRD	WA-PS-0090
15	CASE INLET AND DANA PASSAGE	Fecal Coliform				47.375	122.835	390KRD	WA-PS-0090
15	CASE INLET AND DANA PASSAGE	Fecal Coliform				47.385	122.825	390KRD	WA-PS-0090
15	CASE INLET AND DANA PASSAGE	Fecal Coliform				47.405	122.815	390KRD	WA-PS-0090
15	CASE INLET AND DANA PASSAGE	Fecal Coliform				47.405	122.825	390KRD	WA-PS-0090
15	CASE INLET AND DANA PASSAGE	pH				47.375	122.825	390KRD	WA-PS-0090
15	CASE INLET AND DANA PASSAGE	pH				47.375	122.835	390KRD	WA-PS-0090
15	CASE INLET AND DANA PASSAGE	pH				47.405	122.815	390KRD	WA-PS-0090
15	CASE INLET AND DANA PASSAGE	pH				47.405	122.825	390KRD	WA-PS-0090

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
15	CLEAR CREEK	Fecal Coliform	25N	01E	04			TF15AC	WA-15-5000
15	CLEAR CREEK	Fecal Coliform	25N	01E	05			JH59OI	WA-15-5000
15	CLEAR CREEK	Fecal Coliform	25N	01E	09			DT92SL	WA-15-5000
15	CLEAR CREEK	Fecal Coliform	25N	01E	09			MV26EP	WA-15-5000
15	CLEAR CREEK	Fecal Coliform	25N	01E	09			TF15AC	WA-15-5000
15	CLEAR CREEK	Fecal Coliform	25N	01E	16			T15AC	WA-15-5000
15	CLEAR CREEK	Fecal Coliform	25N	01E	16			TF15AC	WA-15-5000
15	DOGFISH CREEK	Fecal Coliform	26N	01E	02			TD36EV	WA-15-2030
15	DOGFISH CREEK	Fecal Coliform	26N	01E	11			AE23TW	WA-15-2030
15	DOGFISH CREEK	Fecal Coliform	26N	01E	11			OQ62QE	WA-15-2030
15	DOGFISH CREEK	Fecal Coliform	26N	01E	12			GV14QM	WA-15-2030
15	DOGFISH CREEK	Fecal Coliform	26N	01E	12			YS04BH	WA-15-2030
15	DOGFISH CREEK	Fecal Coliform	26N	01E	13			GV14QM	WA-15-2030
15	DOGFISH CREEK	Turbidity	26N	01E	15			OQ62QE	WA-15-2030
15	DYES INLET AND PORT WASHINGTON NARROWS	3,3'-Dichlorobenzidine				47.585	122.685	390KRD	WA-15-0050
15	DYES INLET AND PORT WASHINGTON NARROWS	Antimony				47.585	122.685	390KRD	WA-15-0050
15	DYES INLET AND PORT WASHINGTON NARROWS	Arsenic				47.565	122.675	390KRD	WA-15-0050
15	DYES INLET AND PORT WASHINGTON NARROWS	Arsenic				47.575	122.625	390KRD	WA-15-0050
15	DYES INLET AND PORT WASHINGTON NARROWS	Arsenic				47.585	122.645	390KRD	WA-15-0050
15	DYES INLET AND PORT WASHINGTON NARROWS	Arsenic				47.585	122.665	390KRD	WA-15-0050
15	DYES INLET AND PORT WASHINGTON NARROWS	Arsenic				47.585	122.685	390KRD	WA-15-0050

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
15	DYES INLET AND PORT WASHINGTON NARROWS	Arsenic				47.605	122.705	390KRD	WA-15-0050
15	DYES INLET AND PORT WASHINGTON NARROWS	Arsenic				47.645	122.685	390KRD	WA-15-0050
15	DYES INLET AND PORT WASHINGTON NARROWS	Benz(a)anthracene				47.585	122.685	390KRD	WA-15-0050
15	DYES INLET AND PORT WASHINGTON NARROWS	Benzo(b)fluoranthene				47.565	122.675	390KRD	WA-15-0050
15	DYES INLET AND PORT WASHINGTON NARROWS	Benzo(b)fluoranthene				47.575	122.625	390KRD	WA-15-0050
15	DYES INLET AND PORT WASHINGTON NARROWS	Benzo(b)fluoranthene				47.585	122.685	390KRD	WA-15-0050
15	DYES INLET AND PORT WASHINGTON NARROWS	Bis(2-ethylhexyl) phthalate				47.585	122.685	390KRD	WA-15-0050
15	DYES INLET AND PORT WASHINGTON NARROWS	Cadmium				47.585	122.685	390KRD	WA-15-0050
15	DYES INLET AND PORT WASHINGTON NARROWS	Chrysene				47.585	122.685	390KRD	WA-15-0050
15	DYES INLET AND PORT WASHINGTON NARROWS	Fecal Coliform				47.605	122.695	390KRD	WA-15-0050
15	DYES INLET AND PORT WASHINGTON NARROWS	Fecal Coliform				47.605	122.705	390KRD	WA-15-0050
15	DYES INLET AND PORT WASHINGTON NARROWS	Mercury				47.585	122.685	390KRD	WA-15-0050
15	DYES INLET AND PORT WASHINGTON NARROWS	Pentachlorophenol				47.585	122.685	390KRD	WA-15-0050
15	DYES INLET AND PORT WASHINGTON NARROWS	Phenol				47.585	122.685	390KRD	WA-15-0050
15	DYES INLET AND PORT WASHINGTON NARROWS	Sediment Bioassay				47.585	122.685	390KRD	WA-15-0050

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
15	DYES INLET AND PORT WASHINGTON NARROWS	Silver				47.585	122.685	390KRD	WA-15-0050
15	EAGLE HARBOR	Arsenic				47.645	122.475	390KRD	WA-15-0020
15	EAGLE HARBOR	Benz(a)anthracene				47.645	122.475	390KRD	WA-15-0020
15	EAGLE HARBOR	Benzo(a)pyrene				47.645	122.475	390KRD	WA-15-0020
15	EAGLE HARBOR	Benzo(b)fluoranthene				47.645	122.475	390KRD	WA-15-0020
15	EAGLE HARBOR	Benzo(k)fluoranthene				47.645	122.475	390KRD	WA-15-0020
15	EAGLE HARBOR	Chrysene				47.645	122.475	390KRD	WA-15-0020
15	EAGLE HARBOR	Dibenzo(a,h)anthracene				47.645	122.475	390KRD	WA-15-0020
15	EAGLE HARBOR	Indeno(1,2,3-cd)pyrene				47.645	122.475	390KRD	WA-15-0020
15	EAGLE HARBOR	Mercury				47.645	122.475	390KRD	WA-15-0020
15	EAGLE HARBOR	PAHs				47.645	122.475	390KRD	WA-15-0020
15	EAGLE HARBOR	PCB-1254				47.645	122.475	390KRD	WA-15-0020
15	GAMBLE CREEK	Fecal Coliform	26N	02E	06			PQ58EB	WA-15-7500
15	GAMBLE CREEK	Temperature	27N	02E	29			PQ58EB	WA-15-7500
15	GORST CREEK	Fecal Coliform	24N	01E	32			WT04RS	WA-15-4000
15	GREAT BEND/LYNCH COVE	Dissolved Oxygen				47.395	122.925	390KRD	WA-PS-0260
15	GREAT BEND/LYNCH COVE	Fecal Coliform				47.385	122.985	390KRD	WA-PS-0260
15	GREAT BEND/LYNCH COVE	Fecal Coliform				47.405	122.935	390KRD	WA-PS-0260
15	GREAT BEND/LYNCH COVE	Fecal Coliform				47.415	122.905	390KRD	WA-PS-0260
15	GREAT BEND/LYNCH COVE	Fecal Coliform				47.425	122.875	390KRD	WA-PS-0260
15	GREAT BEND/LYNCH COVE	Fecal Coliform				47.435	122.845	390KRD	WA-PS-0260
15	GREAT BEND/LYNCH COVE	Fecal Coliform				47.445	122.845	390KRD	WA-PS-0260

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
15	GREAT BEND/LYNCH COVE	pH				47.395	122.925	390KRD	WA-PS-0260
15	GREAT BEND/LYNCH COVE	pH				47.445	122.845	390KRD	WA-PS-0260
15	GROVERS CREEK	Fecal Coliform	26N	02E	04			QB02OV	WA-15-2033
15	GROVERS CREEK	Fecal Coliform	27N	02E	34			HS96YA	WA-15-2033
15	GROVERS CREEK	Fecal Coliform	27N	02E	34			KR91BN	WA-15-2033
15	HENDERSON BAY	Dissolved Oxygen				47.375	122.635	390KRD	WA-15-0070
15	HENDERSON BAY	Fecal Coliform				47.395	122.635	390KRD	WA-15-0070
15	HOOD CANAL (NORTH)	4-Methylphenol				47.735	122.735	390KRD	WA-PS-0100
15	HOOD CANAL (NORTH)	Acenaphthene				47.735	122.735	390KRD	WA-PS-0100
15	HOOD CANAL (NORTH)	Anthracene				47.735	122.735	390KRD	WA-PS-0100
15	HOOD CANAL (NORTH)	Benz(a)anthracene				47.735	122.735	390KRD	WA-PS-0100
15	HOOD CANAL (NORTH)	Benzo(a)pyrene				47.735	122.735	390KRD	WA-PS-0100
15	HOOD CANAL (NORTH)	Benzo(g,h,i)perylen				47.735	122.735	390KRD	WA-PS-0100
15	HOOD CANAL (NORTH)	Bis(2-ethylhexyl) phthalate				47.735	122.735	390KRD	WA-PS-0100
15	HOOD CANAL (NORTH)	Chrysene				47.735	122.735	390KRD	WA-PS-0100
15	HOOD CANAL (NORTH)	Copper				47.735	122.735	390KRD	WA-PS-0100
15	HOOD CANAL (NORTH)	Dibenzo(a,h)anthrac ene				47.735	122.735	390KRD	WA-PS-0100
15	HOOD CANAL (NORTH)	Dibenzofuran				47.735	122.735	390KRD	WA-PS-0100
15	HOOD CANAL (NORTH)	Fluoranthene				47.735	122.735	390KRD	WA-PS-0100
15	HOOD CANAL (NORTH)	Indeno(1,2,3-cd)pyr ene				47.735	122.735	390KRD	WA-PS-0100
15	HOOD CANAL (NORTH)	Lead				47.735	122.735	390KRD	WA-PS-0100
15	HOOD CANAL (NORTH)	Mercury				47.735	122.735	390KRD	WA-PS-0100
15	HOOD CANAL (NORTH)	Pentachlorophenol				47.735	122.735	390KRD	WA-PS-0100
15	HOOD CANAL (NORTH)	Phenanthrene				47.735	122.735	390KRD	WA-PS-0100

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
15	HOOD CANAL (NORTH)	Pyrene				47.735	122.735	390KRD	WA-PS-0100
15	HOOD CANAL (NORTH)	Total Benzofluoranthenes				47.735	122.735	390KRD	WA-PS-0100
15	HOOD CANAL (NORTH)	Zinc				47.735	122.735	390KRD	WA-PS-0100
15	HOOD CANAL (SOUTH)	Dissolved Oxygen				47.535	123.015	390KRD	WA-PS-0250
15	HUGE CREEK	Fecal Coliform	22N	01E	08			YV85GW	None73
15	KITSAP LAKE	Fecal Coliform	24N	01W	32			878IBO	WA-15-9150
15	KITSAP LAKE	Total Phosphorus	24N	01W	32			878IBO	WA-15-9150
15	LAGOON CREEK	pH	21N	01E	36			NO-ID	WA-15-3040
15	LITTLE MINTER CREEK	Fecal Coliform	22N	01E	15			QB57UD	WA-15-1350
15	LITTLE MINTER CREEK	Fecal Coliform	22N	01E	20			QB57UD	WA-15-1350
15	LITTLE MISSION CREEK	pH	22N	02W	01			SB72ZI	WA-15-1060
15	MARTHA-JOHN CREEK	Fecal Coliform	27N	02E	16			VF74OD	None44
15	MARTHA-JOHN CREEK	Fecal Coliform	27N	02E	17			BU57GF	None44
15	MARTHA-JOHN CREEK	Fecal Coliform	27N	02E	21			VF74OD	None44
15	MAYO CREEK	Fecal Coliform	20N	01W	01			TV40MV	WA-15-3000
15	MAYO CREEK	pH	20N	01W	01			TV40MV	WA-15-3000
15	MAYO CREEK	Temperature	20N	01W	01			TV40MV	WA-15-3000
15	MILLER LAKE CREEK	Temperature	27N	02E	21			YF74OD	None43
15	MINTER CREEK	Fecal Coliform	22N	01E	09			BH24TJ	WA-15-1300
15	MINTER CREEK	Fecal Coliform	22N	01E	16			BH24TJ	WA-15-1300
15	MINTER CREEK	Fecal Coliform	22N	01E	17			BH24TJ	WA-15-1300
15	MINTER CREEK	Fecal Coliform	22N	01E	20			BH24TJ	WA-15-1300
15	MINTER CREEK	Fecal Coliform	22N	01E	29			BH24TJ	WA-15-1300
15	NISQUALLY REACH/DRAYTON	Fecal Coliform				47.215	122.745	390KRD	WA-PS-0290
15	NISQUALLY	Fecal Coliform				47.225	122.745	390KRD	WA-PS-0290

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
15	PICNIC CREEK	Fecal Coliform	21N	01E	36			NO-ID	WA-15-3050
15	PICNIC CREEK	pH	21N	01E	36			NO-ID	WA-15-3050
15	PORT GAMBLE BAY	Dieldrin				47.835	122.575	390KRD	WA-15-0080
15	PORT GAMBLE BAY	Fecal Coliform				47.825	122.565	390KRD	WA-15-0080
15	PORT ORCHARD, AGATE PASSAGE, AND RICH PASSAGE	Arsenic				47.565	122.605	390KRD	WA-15-0030
15	PORT ORCHARD, AGATE PASSAGE, AND RICH PASSAGE	Arsenic				47.565	122.625	390KRD	WA-15-0030
15	PRIVATE CREEK	Fecal Coliform	21N	01E	36			NO-ID	WA-15-3030
15	PRIVATE CREEK	pH	21N	01E	36			NO-ID	WA-15-3030
15	PURDY CREEK	Fecal Coliform	22N	01E	12			UM57RJ	WA-15-1015
15	PURDY CREEK	Fecal Coliform	22N	01E	13			UM57RJ	WA-15-1015
15	QUARTERMASTER HARBOR	Dieldrin				47.385	122.445	390KRD	WA-15-0120
15	QUARTERMASTER HARBOR	Dissolved Oxygen				47.385	122.465	390KRD	WA-15-0120
15	RAVINE CREEK	Fecal Coliform	21N	01E	36			NO-ID	WA-15-3020
15	SHOOFLY CREEK	Fecal Coliform	22N	02W	18			ZO47XT	WA-15-2050
15	SINCLAIR INLET	1,4-Dichlorobenzene				47.555	122.635	390KRD	WA-15-0040
15	SINCLAIR INLET	2,4-Dimethylphenol				47.555	122.635	390KRD	WA-15-0040
15	SINCLAIR INLET	4-Methylphenol				47.555	122.635	390KRD	WA-15-0040
15	SINCLAIR INLET	Aldrin				47.555	122.635	390KRD	WA-15-0040
15	SINCLAIR INLET	Arsenic				47.535	122.645	390KRD	WA-15-0040
15	SINCLAIR INLET	Arsenic				47.545	122.625	390KRD	WA-15-0040
15	SINCLAIR INLET	Arsenic				47.555	122.635	390KRD	WA-15-0040
15	SINCLAIR INLET	Arsenic				47.555	122.645	390KRD	WA-15-0040
15	SINCLAIR INLET	Benz(a)anthracene				47.555	122.635	390KRD	WA-15-0040

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
15	SINCLAIR INLET	Benzo(g,h,i)perylen				47.555	122.645	390KRD	WA-15-0040
15	SINCLAIR INLET	Benzoic acid				47.555	122.645	390KRD	WA-15-0040
15	SINCLAIR INLET	Bis(2-ethylhexyl) phthalate				47.555	122.645	390KRD	WA-15-0040
15	SINCLAIR INLET	Butylbenzyl phthalate				47.555	122.635	390KRD	WA-15-0040
15	SINCLAIR INLET	Butylbenzyl phthalate				47.555	122.645	390KRD	WA-15-0040
15	SINCLAIR INLET	Cadmium				47.555	122.635	390KRD	WA-15-0040
15	SINCLAIR INLET	Cadmium				47.555	122.645	390KRD	WA-15-0040
15	SINCLAIR INLET	Chrysene				47.555	122.635	390KRD	WA-15-0040
15	SINCLAIR INLET	Chrysene				47.555	122.645	390KRD	WA-15-0040
15	SINCLAIR INLET	Copper				47.555	122.635	390KRD	WA-15-0040
15	SINCLAIR INLET	Copper				47.555	122.645	390KRD	WA-15-0040
15	SINCLAIR INLET	Dieldrin				47.555	122.615	390KRD	WA-15-0040
15	SINCLAIR INLET	Fecal Coliform				47.545	122.645	390KRD	WA-15-0040
15	SINCLAIR INLET	Fluoranthene				47.555	122.645	390KRD	WA-15-0040
15	SINCLAIR INLET	Indeno(1,2,3-cd)pyrene				47.555	122.635	390KRD	WA-15-0040
15	SINCLAIR INLET	Indeno(1,2,3-cd)pyrene				47.555	122.645	390KRD	WA-15-0040
15	SINCLAIR INLET	Lead				47.555	122.635	390KRD	WA-15-0040
15	SINCLAIR INLET	Lead				47.555	122.645	390KRD	WA-15-0040
15	SINCLAIR INLET	Mercury				47.555	122.635	390KRD	WA-15-0040
15	SINCLAIR INLET	Mercury				47.555	122.645	390KRD	WA-15-0040
15	SINCLAIR INLET	PCB-1254				47.555	122.635	390KRD	WA-15-0040
15	SINCLAIR INLET	PCB-1260				47.555	122.635	390KRD	WA-15-0040

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
15	SINCLAIR INLET	Phenanthrene				47.555	122.645	390KRD	WA-15-0040
15	SINCLAIR INLET	Phenol				47.555	122.635	390KRD	WA-15-0040
15	SINCLAIR INLET	Sediment Bioassay				47.555	122.615	390KRD	WA-15-0040
15	SINCLAIR INLET	Sediment Bioassay				47.555	122.635	390KRD	WA-15-0040
15	SINCLAIR INLET	Zinc				47.555	122.635	390KRD	WA-15-0040
15	SINCLAIR INLET	Zinc				47.555	122.645	390KRD	WA-15-0040
15	STIMSON CREEK	Fecal Coliform	22N	02W	03			XE80KI	WA-15-2040
15	TACOMA NARROWS	Dieldrin				47.325	122.555	390KRD	WA-PS-0070
15	UNION RIVER	Fecal Coliform	23N	01W	29			MF56EG	WA-15-2010
15	UNNAMED CREEK	Fecal Coliform	21N	01E	36			NO-ID	WA-15-3010
15	UNNAMED CREEK	pH	21N	01E	36			NO-ID	WA-15-3010
15	UNNAMED CREEK (in the Stavis Creek System)	Fish Habitat	24N	02W	01			OB96MI	None34
15	UNNAMED CREEK (in the Stavis Creek System)	Fish Habitat	24N	02W	02			CG54SU	None36
15	UNNAMED CREEK (in the Stavis Creek System)	Fish Habitat	24N	02W	11			CG54SU	None36
15	UNNAMED CREEK (in the Stavis Creek System)	Fish Habitat	24N	02W	11			OB96MI	None34
15	UNNAMED CREEK (in the Stavis Creek System)	Fish Habitat	24N	02W	12			OB96MI	None34
15	UNNAMED CREEK (in the Stavis Creek System)	Fish Habitat	24N	02W	13			OB96MI	None34
15	UNNAMED CREEK (in the Stavis Creek System)	Fish Habitat	24N	02W	14			OB96MI	None34
15	UNNAMED CREEK (in the Stavis Creek System)	Fish Habitat	25N	02W	25			OB96MI	None34
15	UNNAMED CREEK (in the Stavis Creek System)	Fish Habitat	25N	02W	35			CG54SU	None36

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
15	UNNAMED CREEK (in the Stavis Creek System)	Fish Habitat	25N	02W	36			CG54SU	None36
15	UNNAMED CREEK (in the	Fish Habitat	25N	02W	36			OB96MI	None34
15	UNNAMED CREEK (in the Anderson Creek System)	Fish Habitat	24N	02W	17			HL10ZJ	None33
15	UNNAMED CREEK (in the Anderson Creek System)	Fish Habitat	24N	02W	20			HL10ZJ	None33
15	UNNAMED CREEK (in the Anderson Creek System)	Fish Habitat	24N	02W	21			HL10ZJ	None33
15	UNNAMED CREEK (in the Anderson Creek System)	Fish Habitat	24N	02W	21			PM06XY	None39
15	UNNAMED CREEK (in the Anderson Creek System)	Fish Habitat	24N	02W	28			PM06XY	None39
15	UNNAMED CREEK (in the Anderson Creek System)	Fish Habitat	24N	02W	99			HL10ZJ	None33
15	UNNAMED CREEK (in the Big Beef Creek System)	Fish Habitat	24N	01W	03			FB10GH	None40
15	UNNAMED CREEK (in the Big Beef Creek System)	Fish Habitat	24N	01W	04			FB10GH	None40
15	UNNAMED CREEK (in the Big Beef Creek System)	Fish Habitat	24N	01W	05			FB10GH	None40
15	UNNAMED CREEK (in the Big Beef Creek System)	Fish Habitat	24N	01W	08			FB10GH	None40
15	UNNAMED CREEK (in the Big Beef Creek System)	Fish Habitat	24N	01W	18			FB10GH	None40
15	UNNAMED CREEK (in the Big Beef Creek System)	Fish Habitat	25N	01W	15			FB10GH	None40
15	UNNAMED CREEK (in the Big Beef Creek System)	Fish Habitat	25N	01W	22			FB10GH	None40

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
15	UNNAMED CREEK (in the Big Beef Creek System)	Fish Habitat	25N	01W	27			FB10GH	None40
15	UNNAMED CREEK (in the Big Beef Creek System)	Fish Habitat	25N	01W	34			FB10GH	None40
15	UNNAMED CREEK (in the Boyce Creek System)	Fish Habitat	24N	02W	02			ED35FX	None42
15	UNNAMED CREEK (in the Boyce Creek System)	Fish Habitat	24N	02W	03			ED35FX	None42
15	UNNAMED CREEK (in the Boyce Creek System)	Fish Habitat	25N	02W	34			ED35FX	None42
15	UNNAMED CREEK (in the Boyce Creek System)	Fish Habitat	25N	02W	35			ED35FX	None42
15	UNNAMED CREEK (in the Harding Creek System)	Fish Habitat	24N	02W	09			ON75PB	None41
15	UNNAMED CREEK (in the Harding Creek System)	Fish Habitat	24N	02W	16			ON75PB	None41
15	UNNAMED CREEK (in the Little Anderson Creek System)	Fish Habitat	25N	01W	11			YH53MY	None38
15	UNNAMED CREEK (in the Little Anderson Creek System)	Fish Habitat	25N	01W	12			YH53MY	None38
15	UNNAMED CREEK (in the Little Anderson Creek System)	Fish Habitat	25N	01W	13			LU51XS	None37
15	UNNAMED CREEK (in the Little Anderson Creek System)	Fish Habitat	25N	01W	13			MM02LO	None35
15	UNNAMED CREEK (in the Little Anderson Creek System)	Fish Habitat	25N	01W	13			YH53MY	None38
15	UNNAMED CREEK (in the Little Anderson Creek System)	Fish Habitat	25N	01W	14			MM02LO	None35
15	UNNAMED CREEK (in the Little Anderson Creek System)	Fish Habitat	25N	01W	14			YH53MY	None38

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
15	UNNAMED CREEK (in the Little Anderson Creek System)	Fish Habitat	25N	01W	23			MM02LO	None35
15	UNNAMED CREEK (in the Little Anderson Creek System)	Fish Habitat	25N	01W	23			YH53MY	None38
15	UNNAMED CREEK (in the Little Anderson Creek System)	Fish Habitat	25N	01W	24			LU51XS	None37
15	UNNAMED CREEK (in the Little Anderson Creek System)	Fish Habitat	25N	01W	24			QQ98XZ	None74
15	UNNAMED CREEK (in the Little Anderson Creek System)	Fish Habitat	25N	01W	24			YH53MY	None38
15	UNNAMED CREEK (in the Little Anderson Creek System)	Fish Habitat	25N	01W	25			LU51XS	None37
16	HOOD CANAL (SOUTH)	Fecal Coliform				47.645	122.925	390KRD	WA-PS-0250
16	HOOD CANAL (SOUTH)	Fecal Coliform				47.645	122.935	390KRD	WA-PS-0250
16	HOOD CANAL (SOUTH)	Fecal Coliform				47.685	122.895	390KRD	WA-PS-0250
16	HUNTER CREEK	Fecal Coliform	21N	04W	17			NO-ID	WA-16-1016
16	PURDY CREEK	Fecal Coliform	21N	04W	14			MJ89JI	WA-16-1013
16	PURDY CREEK	Fecal Coliform	21N	04W	15			MJ89JI	WA-16-1013
16	SKOKOMISH RIVER	Fecal Coliform	21N	03W	07			WW06HB	WA-16-1010
16	SKOKOMISH RIVER	Fecal Coliform	21N	04W	12			WW06HB	WA-16-1010
16	SKOKOMISH RIVER	Fecal Coliform	21N	04W	15			WW06HB	WA-16-1010
16	SKOKOMISH RIVER, N.F.	Instream Flow	22N	04W	16			BH48GW	WA-16-1020
16	TEN ACRE CREEK	Fecal Coliform	21N	04W	16			NO-ID	WA-16-1015
16	WEAVER CREEK	Fecal Coliform	21N	04W	16			NO-ID	WA-16-1014
17	BIG QUILCENE RIVER	Fish Habitat	27N	01W	19			EL58TS	WA-17-1010
17	BIG QUILCENE RIVER	Instream Flow	27N	02W	22			EL58TS	WA-17-1010
17	CHICKEN COOP CREEK	Fecal Coliform	29N	02W	06			KC32MC	WA-17-2200
17	CHIMACUM CREEK	Fecal Coliform	29N	01W	14			MB88JL	WA-17-3010

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
17	CHIMACUM CREEK	Temperature	28N	01W	09			MB88JL	WA-17-3010
17	CHIMACUM CREEK	Temperature	29N	01W	14			JD02NV	WA-17-3010
17	CHIMACUM CREEK	Temperature	29N	01W	14			MB88JL	WA-17-3010
17	DABOB BAY AND QUILCENE BAY	Fecal Coliform				47.825	122.855	390KRD	WA-17-0010
17	DONOVAN CREEK	Temperature	27N	01W	04			KU90XL	None46
17	JACKSON CREEK	Fish Habitat	26N	02W	14			EL02TD	WA-17-1001
17	JOHNSON CREEK	Fecal Coliform	30N	03W	27			BV22BE	WA-17-4000
17	LELAND CREEK	Temperature	27N	02W	11			LN92UA	None49
17	LITTLE QUILCENE RIVER	Temperature	27N	02W	11			XP04IN	WA-17-2010
17	MARPLE CREEK	Fish Habitat	26N	02W	13			PL66WB	WA-17-1000
17	RIPLEY CREEK	Temperature	28N	02W	35			HK12KN	None45
17	SEQUIM BAY	Dissolved Oxygen				48.065	123.035	390KRD	WA-17-0050
17	SEQUIM BAY	pH				48.065	123.035	390KRD	WA-17-0050
17	TARBOO CREEK	Temperature	28N	01W	20			KU90XL	WA-17-5000
17	TARBOO CREEK	Temperature	28N	01W	33			KU90XL	WA-17-5000
17	THORNDIKE CREEK	Temperature	27N	01W	24			TC74NT	None47
18	BAGLEY CREEK	Fecal Coliform	30N	05W	16			YM49RG	WA-18-1600
18	BELL CREEK	Fecal Coliform	30N	03W	22			ZX80OV	WA-18-1100
18	CASSALERY CREEK	Fecal Coliform	31N	03W	32			JE42HJ	WA-18-1300
18	DRY CREEK	Temperature	30N	07W	12			XN56VX	WA-18-1900
18	DUNGENESS RIVER	Instream Flow	29N	04W	12			NJ31PC	WA-18-1020
18	DUNGENESS RIVER	Instream Flow	31N	04W	43			NJ31PC	WA-18-1010
18	ELWHA RIVER	PCB-1254	30N	07W	10			PB56KA	WA-18-2010
18	ELWHA RIVER	Temperature	30N	07W	03			PB56KA	WA-18-2010
18	MATRIOTTI CREEK	Fecal Coliform	30N	04W	03			AZ07IY	WA-18-1012

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
18	MATRIOTTI CREEK	Fecal Coliform	31N	04W	35			AZ07IY	WA-18-1012
18	PORT ANGELES HARBOR	Dissolved Oxygen				48.135	123.465	390KRD	WA-18-0020
19	CLALLAM RIVER	Temperature	31N	12W	04			NY49PY	WA-19-5000
19	CLALLAM RIVER	Temperature	32N	12W	21			NY49PY	WA-19-5000
19	DEEP CREEK	Fine Sediment	31N	10W	20			DB51HV	WA-19-4500
19	DEEP CREEK	Fine Sediment	31N	10W	30			DB51HV	WA-19-4500
19	DEEP CREEK	Fine Sediment	31N	10W	31			DB51HV	WA-19-4500
19	DEEP CREEK	Temperature	31N	10W	20			DB51HV	WA-19-4500
19	DEEP CREEK	Temperature	31N	10W	30			DB51HV	WA-19-4500
19	DEEP CREEK	Temperature	31N	10W	31			DB51HV	WA-19-4500
19	GREEN CREEK	Temperature	31N	12W	22			CS94VY	WA-19-1040
19	LITTLE HOKO RIVER	Temperature	32N	13W	22			CC22VG	WA-19-2020
19	SEKIU RIVER	Temperature	32N	13W	08			YZ08ZH	WA-19-2500
19	SEKIU RIVER, N.F.	Temperature	32N	14W	15			GR38JB	WA-19-2700
19	SEKIU RIVER, S.F.	Temperature	32N	14W	15			SN23GH	WA-19-2600
20	ALDER CREEK	Temperature	27N	12W	27			LC98SB	WA-20-2280
20	ANDERSON CREEK	Temperature	26N	13W	12			FL17VR	WA-20-2200
20	BEAVER CREEK	Temperature	30N	12W	30			BL97WS	WA-20-1037
20	BOGACHIEL RIVER	Dissolved Oxygen	27N	12W	06			PP27XG	WA-20-1030
20	BOGACHIEL RIVER	Dissolved Oxygen	28N	14W	29			PP27XG	WA-20-1030
20	BOGACHIEL RIVER	Temperature	27N	12W	06			PP27XG	WA-20-1030
20	BOGACHIEL RIVER	Temperature	28N	13W	18			PP27XG	WA-20-1030
20	BOGACHIEL RIVER	Temperature	28N	13W	20			PP27XG	WA-20-1030
20	BOGACHIEL RIVER	Temperature	28N	13W	28			PP27XG	WA-20-1030
20	BOGACHIEL RIVER	Temperature	28N	13W	34			PP27XG	WA-20-1030
20	BOGACHIEL RIVER	Temperature	28N	14W	13			PP27XG	WA-20-1030

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
20	BOGACHIEL RIVER	Temperature	28N	14W	30			PP27XG	WA-20-1030
20	CANYON CREEK	Temperature	27N	11W	25			YX94MB	WA-20-2600
20	COAL CREEK	Temperature	28N	15W	12			CG80EL	WA-20-5010
20	COAL CREEK	Temperature	29N	15W	35			CG80EL	WA-20-5010
20	CROOKED CREEK, N.F.	Temperature	30N	14W	18			AS33ML	WA-20-6210
20	DICKEY RIVER, E.F.	Temperature	29N	14W	29			GM16OG	WA-20-5200
20	DICKEY RIVER, E.F.	Temperature	30N	13W	30			GM16OG	WA-20-5200
20	DICKEY RIVER, M.F.	Temperature	30N	14W	14			MX37BQ	WA-20-5300
20	DICKEY RIVER, M.F.	Temperature	30N	14W	23			MX37BQ	WA-20-5300
20	DICKEY RIVER, W.F.	Temperature	29N	14W	30			KJ18QR	WA-20-5100
20	DICKEY RIVER, W.F.	Temperature	30N	14W	21			KJ18QR	WA-20-5100
20	ELK CREEK	Temperature	27N	12W	35			OZ81SL	WA-20-2275
20	FISHER CREEK	Temperature	27N	10W	34			FA00MP	WA-20-2090
20	LAKE CREEK	Dissolved Oxygen	30N	13W	33			EL07WK	WA-20-1035
20	LAKE CREEK	Dissolved Oxygen	30N	13W	34			EL07WK	WA-20-1035
20	LAKE CREEK	Temperature	30N	13W	33			EL07WK	WA-20-1035
20	LAKE CREEK	Temperature	30N	13W	34			EL07WK	WA-20-1035
20	LINE CREEK	Temperature	26N	10W	03			SC06WV	WA-20-2110
20	MAPLE CREEK	Temperature	27N	11W	35			PT52FH	WA-20-2400
20	MAXFIELD CREEK	Temperature	28N	14W	28			YH73YS	WA-20-1033
20	NOLAN CREEK	Temperature	26N	13W	24			MF35YT	WA-20-2150
20	OWL CREEK	Temperature	27N	11W	35			QH68OQ	WA-20-2500
20	ROCK CREEK	Temperature	27N	11W	28			NO-ID	WA-20-2330
20	SOLEDUCK RIVER	Dissolved Oxygen	29N	13W	16			EC91QM	WA-20-1020
20	SOLEDUCK RIVER	Dissolved Oxygen	29N	13W	28			EC91QM	WA-20-1020
20	SOLEDUCK RIVER	Dissolved Oxygen	30N	11W	27			EC91QM	WA-20-1020

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20	SOLEDUCK RIVER	Temperature	28N	14W	11			EC91QM	WA-20-1020
20	SOLEDUCK RIVER	Temperature	28N	14W	17			EC91QM	WA-20-1020
20	SOLEDUCK RIVER	Temperature	29N	13W	09			EC91QM	WA-20-1020
20	SOLEDUCK RIVER	Temperature	29N	13W	16			EC91QM	WA-20-1020
20	SOLEDUCK RIVER	Temperature	29N	13W	28			EC91QM	WA-20-1020
20	SOLEDUCK RIVER	Temperature	30N	11W	27			EC91QM	WA-20-1020
20	SOLEDUCK RIVER	Temperature	30N	13W	36			EC91QM	WA-20-1020
20	SPLIT CREEK	Temperature	27N	10W	34			FA00MP	WA-20-2100
20	TOWER CREEK	Temperature	27N	11W	28			CT28XK	WA-20-2350
20	WILLOUGHBY CREEK	Temperature	27N	12W	25			DQ24XR	WA-20-2300
20	WINFIELD CREEK	Temperature	27N	12W	34			GV87TG	WA-20-2270
21	JOE CREEK	Dissolved Oxygen	20N	12W	20			HO29SJ	WA-21-4000
21	JOE CREEK	Dissolved Oxygen	20N	12W	21			HO29SJ	WA-21-4000
21	JOE CREEK	Fecal Coliform	20N	12W	20			HO29SJ	WA-21-4000
21	KALALOCH CREEK (W.F.)	Temperature	24N	13W	03			OE71LO	WA-21-3000
22	BLACK CREEK	Temperature	18N	07W	17			SC15QZ	WA-22-4025
22	CHEHALIS RIVER	Fecal Coliform	17N	07W	18			PB33WC	WA-22-4040
22	CHEHALIS RIVER	Temperature	17N	07W	18			PB33WC	WA-22-4040
22	GRAYS HARBOR (INNER)	Fecal Coliform				46.965	123.875	390KRD	WA-22-0030
22	GRAYS HARBOR (INNER)	Fecal Coliform	17N	09W	10			DS29ZH	WA-22-0030
22	GRAYS HARBOR (OUTER)	Fecal Coliform				46.865	124.045	390KRD	WA-22-0020
22	GRAYS HARBOR COUNTY DRAINAGE DITCH NO. 1 (GHCDD-1)	4,4'-DDD	15N	11W	06	0	0	AB55IV	None75
22	GRAYS HARBOR COUNTY DRAINAGE DITCH NO. 1 (GHCDD-1)	Azinphos-Methyl	15N	11W	06	0	0	AB55IV	None75

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
22	GRAYS HARBOR COUNTY DRAINAGE DITCH NO. 1 (GHCDD-1)	Carbaryl	15N	11W	06	0	0	AB55IV	None75
22	GRAYS HARBOR COUNTY DRAINAGE DITCH NO. 1 (GHCDD-1)	Diazinon	15N	11W	06	0	0	AB55IV	None75
22	GRAYS HARBOR COUNTY DRAINAGE DITCH NO. 1 (GHCDD-1)	Parathion	15N	11W	06	0	0	AB55IV	None75
22	HUMPTULIPS RIVER	Temperature	20N	10W	17			NY74PY	WA-22-1010
22	HUMPTULIPS RIVER	Temperature	20N	11W	12			TU95RU	WA-22-1010
22	RABBIT CREEK	Temperature	21N	06W	28			MV99EG	WA-22-4085
22	WILDCAT CREEK	Temperature	18N	05W	14			QS65DS	WA-22-4045
22	WYNOOCHEE RIVER	Temperature	18N	08W	05			PB22WC	WA-22-4020
23	BERWICK CREEK	Fecal Coliform	13N	02W	09			KB60UI	WA-23-1028
23	BLACK LAKE	Total Phosphorus	18N	02W	32			GW14BM	WA-23-9010
23	BLACK RIVER	Temperature	15N	04W	05			GW14BM	WA-23-1015
23	CHEHALIS RIVER	Fecal Coliform	13N	05W	03			DS29ZH	WA-23-1100
23	CHEHALIS RIVER	Fecal Coliform	13N	05W	34			DS29ZH	WA-23-1100
23	CHEHALIS RIVER	Fecal Coliform	14N	02W	07			DS29ZH	WA-23-1020
23	CHEHALIS RIVER	Fecal Coliform	14N	03W	24			DS29ZH	WA-23-1020
23	CHEHALIS RIVER	Fecal Coliform	17N	05W	28			DS29ZH	WA-23-1010
23	CHEHALIS RIVER	PCB-1254	14N	02W	07			DS29ZH	WA-23-1020
23	CHEHALIS RIVER	PCB-1260	14N	02W	07			DS29ZH	WA-23-1020
23	CHEHALIS RIVER	Temperature	13N	05W	12			DS29ZH	WA-23-1100
23	CHEHALIS RIVER	Temperature	14N	02W	07			DS29ZH	WA-23-1020
23	CHEHALIS RIVER	Temperature	14N	02W	18			DS29ZH	WA-23-1020
23	CHEHALIS RIVER	Temperature	14N	02W	24			HF89DS	WA-23-1020

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
23	CHEHALIS RIVER	Temperature	14N	03W	12			DS29ZH	WA-23-1020
23	CHEHALIS RIVER	Temperature	14N	03W	24			DS29ZH	WA-23-1020
23	CHEHALIS RIVER	Temperature	14N	03W	25			DS29ZH	WA-23-1020
23	CHEHALIS RIVER	Temperature	15N	03W	22			DS29ZH	WA-23-1010
23	CHEHALIS RIVER	Temperature	16N	05W	36			DS29ZH	WA-23-1010
23	CHEHALIS RIVER	Temperature	17N	05W	28			DS29ZH	WA-23-1010
23	CHEHALIS RIVER	Temperature	17N	05W	28			UE35GF	WA-23-1010
23	CHEHALIS RIVER, S.F.	Temperature	13N	04W	24			AR83EA	WA-23-1106
23	DEMSEY CREEK	Dissolved Oxygen	17N	03W	13			FM81JM	WA-23-2060
23	DEMSEY CREEK	Fecal Coliform	17N	03W	13			FM81JM	WA-23-2060
23	DILLENBAUGH CREEK	Fecal Coliform	13N	02W	05			EV39SR	WA-23-1027
23	DILLENBAUGH CREEK	Fecal Coliform	13N	02W	09			EV39SR	WA-23-1027
23	DILLENBAUGH CREEK	Fecal Coliform	13N	02W	10			EV39SR	WA-23-1027
23	DILLENBAUGH CREEK	Fecal Coliform	14N	02W	31			EV39SR	WA-23-1027
23	DILLENBAUGH CREEK	Temperature	13N	02W	05			EV39SR	WA-23-1027
23	DILLENBAUGH CREEK	Temperature	14N	02W	31			EV39SR	WA-23-1027
23	ELK CREEK	Fecal Coliform	13N	05W	03			WI74SE	WA-23-1108
23	LINCOLN CREEK	Fecal Coliform	15N	03W	34			AP15HC	WA-23-1019
23	LINCOLN CREEK	Fecal Coliform	15N	04W	33			AP15HC	WA-23-1019
23	LINCOLN CREEK	Temperature	15N	03W	29			EK51RF	WA-23-1019
23	NEWAUKUM RIVER	Fecal Coliform	14N	02W	31			WC81BX	WA-23-1070
23	NEWAUKUM RIVER	Temperature	14N	02W	31			WC81BX	WA-23-1070
23	SALZER CREEK	Fecal Coliform	14N	02W	19			QF44VO	WA-23-1023
23	SALZER CREEK	Fecal Coliform	14N	02W	23			QF44VO	WA-23-1023
23	SALZER CREEK	Temperature	14N	02W	19			QF44VO	WA-23-1023
23	SCATTER CREEK	Fecal Coliform	15N	03W	08			AQ85FY	WA-23-1018

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23	SCATTER CREEK	pH	15N	03W	08			AQ85FY	WA-23-1018
23	SCATTER CREEK	Temperature	15N	03W	08			AQ85FY	WA-23-1018
23	SKOOKUMCHUCK RIVER	Fecal Coliform	14N	02W	05			BV55DP	WA-23-1030
23	SKOOKUMCHUCK RIVER	pH	14N	02W	07			BV55DP	WA-23-1030
23	SKOOKUMCHUCK RIVER	Temperature	14N	02W	07			BV55DP	WA-23-1030
24	COLUMBIA RIVER	Fecal Coliform				46.305	124.035	NN57SG	WA-CR-101
24	COLUMBIA RIVER	PCB-1254				46.205	123.825	NN57SG	WA-CR-101
24	COLUMBIA RIVER	PCB-1254				46.285	124.055	NN57SG	WA-CR-101
24	COLUMBIA RIVER	Total Dissolved Gas				46.195	123.925	NN57SG	WA-CR-101
24	ELKHORN CREEK	Temperature	15N	09W	24			ZR45OU	None50
24	FORK CREEK	Temperature	12N	07W	06			MO06ZS	WA-24-2037
24	GRAYLAND DITCH	Dissolved Oxygen	15N	11W	32			YF44AK	WA-24-1030
24	GRAYLAND DITCH	Fecal Coliform	15N	11W	32			YF44AK	WA-24-1030
24	JOE CREEK	Temperature	16N	08W	31			XG35GL	None52
24	LITTLE NORTH RIVER	Temperature	16N	08W	08			WU17DR	WA-24-1015
24	LITTLE NORTH RIVER	Temperature	16N	09W	32			WU17DR	WA-24-1015
24	NASELLE RIVER	Temperature	10N	09W	02			JX84NY	WA-24-3010
24	NORTH RIVER	Fecal Coliform	15N	10W	22			WU17DR	WA-24-1010
24	NORTH RIVER	Fecal Coliform	15N	10W	23			WU17DR	WA-24-1010
24	NORTH RIVER	Fecal Coliform	15N	10W	99			WU17DR	WA-24-1010
24	NORTH RIVER	Temperature	16N	08W	09			WU17DR	WA-24-1010
24	NORTH RIVER, E.F.	Temperature	16N	09W	29			QG10AL	None54
24	PACIFIC COUNTY DRAINAGE DITCH NO. 1 (PCDD-1)	4,4'-DDD	15N	11W	32	0	0	YF44AK	None76

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24	PACIFIC COUNTY DRAINAGE DITCH NO. 1 (PCDD-1)	Azinphos-Methyl	15N	11W	32	0	0	YF44AK	none76
24	PACIFIC COUNTY DRAINAGE DITCH NO. 1 (PCDD-1)	Carbaryl	15N	11W	32	0	0	YF44AK	None76
24	PACIFIC COUNTY DRAINAGE DITCH NO. 1 (PCDD-1)	Chlorpyrifos	15N	11W	32	0	0	YF44AK	None76
24	PACIFIC COUNTY DRAINAGE DITCH NO. 1 (PCDD-1)	Diazinon	15N	11W	32	0	0	YF44AK	None76
24	SALMON CREEK, UPPER	Temperature	16N	08W	09			UR98MB	WA-24-3018
24	SMITH CREEK	Temperature	15N	08W	23			VP01ZH	WA-24-1011
24	UNNAMED CREEK (tributary to the North River)	Temperature	16N	09W	33			WU17DR	None53
24	WILLAPA BAY	Fecal Coliform				46.615	123.935	390KRD	WA-24-0020
24	WILLAPA BAY	Fecal Coliform				46.625	123.945	390KRD	WA-24-0020
24	WILLAPA BAY	Fecal Coliform				46.705	123.845	390KRD	WA-24-0020
24	WILLAPA BAY	Fecal Coliform				46.735	123.975	390KRD	WA-24-0020
24	WILLAPA BAY	Fecal Coliform				46.745	123.895	390KRD	WA-24-0020
24	WILLAPA BAY	Fecal Coliform	14N	09W	28			YN05JR	WA-24-0020
24	WILLAPA RIVER	Dissolved Oxygen	14N	09W	24			YN05JR	WA-24-2020
24	WILLAPA RIVER	Fecal Coliform	12N	07W	04			YN05JR	WA-24-2030
24	WILLAPA RIVER	Fecal Coliform	14N	08W	43			YN05JR	WA-24-2020
24	WILLAPA RIVER	Fecal Coliform	14N	09W	21			YN05JR	WA-24-2010
24	WILLAPA RIVER	Fecal Coliform	14N	09W	24			YN05JR	WA-24-2020
24	WILLAPA RIVER	Temperature	14N	08W	43			YN05JR	WA-24-2020
25	ABERNATHY CREEK	Temperature	9N	4W	09			AP47TF	WA-25-3300

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
25	COLUMBIA RIVER	4,4'-DDE				46.275	123.745	NN57SG	WA-CR-101
25	COLUMBIA RIVER	Arsenic				46.145	123.275	NN57SG	WA-CR-101
25	COLUMBIA RIVER	Arsenic				46.185	123.175	NN57SG	WA-CR-101
25	COLUMBIA RIVER	Arsenic				46.275	123.745	NN57SG	WA-CR-101
25	COLUMBIA RIVER	Bis(2-ethylhexyl) phthalate				46.235	123.715	NN57SG	WA-CR-101
25	COLUMBIA RIVER	Dieldrin				46.145	123.275	NN57SG	WA-CR-101
25	COLUMBIA RIVER	Dieldrin				46.245	123.695	NN57SG	WA-CR-101
25	COLUMBIA RIVER	Dissolved Oxygen				46.265	123.475	NN57SG	WA-CR-101
25	COLUMBIA RIVER	Dissolved Oxygen				46.295	123.705	NN57SG	WA-CR-101
25	COLUMBIA RIVER	Fecal Coliform				46.105	122.955	NN57SG	WA-CR-101
25	COLUMBIA RIVER	PCB-1248				46.245	123.555	NN57SG	WA-CR-101
25	COLUMBIA RIVER	PCB-1254				46.145	123.275	NN57SG	WA-CR-101
25	COLUMBIA RIVER	PCB-1254				46.245	123.695	NN57SG	WA-CR-101
25	COLUMBIA RIVER	PCB-1260				46.275	123.745	NN57SG	WA-CR-101
25	COLUMBIA RIVER	Temperature				46.015	122.855	NN57SG	WA-CR-101
25	COLUMBIA RIVER	Temperature				46.185	123.175	NN57SG	WA-CR-101
25	COLUMBIA RIVER	Temperature				46.265	123.465	NN57SG	WA-CR-101
25	COLUMBIA RIVER	Total Dissolved Gas				46.015	122.855	NN57SG	WA-CR-101
25	ELOCHOMAN RIVER	Temperature	09N	05W	15			RE01VV	WA-25-3010
25	GERMANY CREEK	Temperature	09N	03W	06			OF50GD	WA-25-3500
25	GRAYS RIVER, W.F.	Temperature	11N	07W	33			OV80RL	WA-25-1015
25	LONGVIEW DITCHES	Dissolved Oxygen	07N	02W	03			FQ06HT	WA-25-5010
25	LONGVIEW DITCHES	Dissolved Oxygen	07N	02W	04			FQ06HT	WA-25-5010
25	LONGVIEW DITCHES	Dissolved Oxygen	07N	02W	05			FQ06HT	WA-25-5010
25	LONGVIEW DITCHES	Dissolved Oxygen	08N	02W	30			FQ06HT	WA-25-5010

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
25	LONGVIEW DITCHES	Dissolved Oxygen	08N	02W	31			FQ06HT	WA-25-5010
25	LONGVIEW DITCHES	Dissolved Oxygen	08N	02W	31			GG32VT	WA-25-5010
25	LONGVIEW DITCHES	Fecal Coliform	07N	02W	03			FQ06HT	WA-25-5010
25	LONGVIEW DITCHES	Fecal Coliform	07N	02W	05			FQ06HT	WA-25-5010
25	LONGVIEW DITCHES	Lead	07N	02W	05			FQ06HT	WA-25-5010
25	LONGVIEW DITCHES	Turbidity	07N	02W	03			FQ06HT	WA-25-5010
25	LONGVIEW DITCHES	Turbidity	07N	02W	04			FQ06HT	WA-25-5010
25	LONGVIEW DITCHES	Turbidity	07N	02W	05			FQ06HT	WA-25-5010
25	LONGVIEW DITCHES	Turbidity	08N	02W	30			FQ06HT	WA-25-5010
25	LONGVIEW DITCHES	Turbidity	08N	02W	31			FQ06HT	WA-25-5010
25	LONGVIEW DITCHES	Turbidity	08N	02W	31			GG32VT	WA-25-5010
25	SACAJAWEA LAKE	4,4'-DDE	08N	02W	33			837NAY	WA-25-9010
25	SACAJAWEA LAKE	Chlordane	08N	02W	33			837NAY	WA-25-9010
25	SACAJAWEA LAKE	Dieldrin	08N	02W	32			837NAV	WA-25-9010
25	SACAJAWEA LAKE	PCB-1254	08N	02W	33			837NAY	WA-25-9010
25	SACAJAWEA LAKE	PCB-1260	08N	02W	33			837NAY	WA-25-9010
26	BAIRD CREEK	Temperature	08N	02E	18			WA62BY	WA-26-1026
26	CISPUS RIVER	Temperature	11N	07E	18			FB00IP	WA-26-1110
26	CISPUS RIVER	Temperature	11N	10E	25			FB00IP	WA-26-1118
26	CISPUS RIVER, N.F.	Temperature	11N	08E	15			TO54NT	WA-26-1115
26	COLUMBIA RIVER	Bis(2-ethylhexyl) phthalate				46.095	122.915	NN57SG	WA-CR-101
26	COWEEMAN RIVER	Temperature	07N	01W	04			ON59SG	WA-26-1030
26	COWEEMAN RIVER	Temperature	08N	02W	35			ON59SG	WA-26-1020
26	COWLITZ RIVER	Arsenic	08N	02W	27			EG25YW	WA-26-1040
26	EAST CANYON CREEK	Temperature	10N	09E	20			TV32WL	WA-26-1119

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
26	GOBLE CREEK	Temperature	08N	01E	34			HN80UO	WA-26-1023
26	GREEN RIVER	Temperature	10N	02E	02			KB88BE	WA-26-1072
26	HERRINGTON CREEK	Temperature	09N	03E	28			JJ99IK	WA-26-1087
26	IRON CREEK	Temperature	11N	07E	19			ZZ28DH	None55
26	MULHOLLAND CREEK	Temperature	08N	01E	17			NA87LM	WA-26-1025
26	SILVER CREEK	Temperature	12N	07E	10			CT81WJ	WA-26-1122
26	WILLAME CREEK	Temperature	13N	09E	20			YV88LF	WA-26-1124
27	COLUMBIA RIVER	4,4'-DDE				46.005	122.855	NN57SG	WA-CR-101
27	COLUMBIA RIVER	Arsenic				45.905	122.805	NN57SG	WA-CR-101
27	COLUMBIA RIVER	Bis(2-ethylhexyl) phthalate				46.005	122.855	NN57SG	WA-CR-101
27	COLUMBIA RIVER	Dieldrin				46.005	122.855	NN57SG	WA-CR-101
27	COLUMBIA RIVER	PCB-1254				46.005	122.855	NN57SG	WA-CR-101
27	COLUMBIA RIVER	Temperature				45.905	122.805	NN57SG	WA-CR-101
27	COLUMBIA RIVER	Temperature				46.015	122.855	NN57SG	WA-CR-101
27	COLUMBIA RIVER	Total Dissolved Gas				45.955	122.815	NN57SG	WA-CR-101
27	COLUMBIA RIVER	Total Dissolved Gas				46.015	122.855	NN57SG	WA-CR-101
27	HATCHERY (FALLERT) CREEK	Temperature	07N	01W	34			FX65ID	WA-27-1012
27	KALAMA RIVER	Temperature	07N	01W	32			QB31IV	WA-27-1010
27	LEWIS RIVER, E.F.	Fecal Coliform	04N	01E	03			EI60MF	WA-27-2020
27	LEWIS RIVER, E.F.	Fecal Coliform	04N	03E	13			EI60MF	WA-27-2030
27	LEWIS RIVER, E.F.	Temperature	04N	01E	03			EI60MF	WA-27-2020
27	LEWIS RIVER, E.F.	Temperature	04N	02E	20			EI60MF	WA-27-2020
27	LOCKWOOD CREEK	Fecal Coliform	04N	01E	01			YD45JI	WA-27-2024
27	McCORMICK CREEK	Fecal Coliform	04N	01E	09			GF76XA	WA-27-2022
27	McCORMICK CREEK	Temperature	04N	01E	09			GF76XA	WA-27-2022

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27	ROCK CREEK (NORTH)	Fecal Coliform	04N	02E	02			XD64JB	WA-27-2026
27	ROCK CREEK (SOUTH)	Fecal Coliform	03N	04E	05			MI81KO	WA-27-2034
27	YACOLT CREEK	Fecal Coliform	04N	03E	12			KS71ST	WA-27-2032
28	BURNT BRIDGE CREEK	Dissolved Oxygen	02N	01E	38			GB90VP	WA-28-1040
28	BURNT BRIDGE CREEK	Dissolved Oxygen	02N	02E	56			GB90VP	WA-28-1040
28	BURNT BRIDGE CREEK	Dissolved Oxygen	02N	02E	60			GB90VP	WA-28-1040
28	BURNT BRIDGE CREEK	Dissolved Oxygen	02N	02E	66			GB90VP	WA-28-1040
28	BURNT BRIDGE CREEK	Dissolved Oxygen	02N	02E	67			GB90VP	WA-28-1040
28	BURNT BRIDGE CREEK	Dissolved Oxygen	02N	02E	69			GB90VP	WA-28-1040
28	BURNT BRIDGE CREEK	Fecal Coliform	02N	01E	15			GB90VP	WA-28-1040
28	BURNT BRIDGE CREEK	Fecal Coliform	02N	01E	38			GB90VP	WA-28-1040
28	BURNT BRIDGE CREEK	Fecal Coliform	02N	02E	56			GB90VP	WA-28-1040
28	BURNT BRIDGE CREEK	Fecal Coliform	02N	02E	60			GB90VP	WA-28-1040
28	BURNT BRIDGE CREEK	Fecal Coliform	02N	02E	66			GB90VP	WA-28-1040
28	BURNT BRIDGE CREEK	Fecal Coliform	02N	02E	67			GB90VP	WA-28-1040
28	BURNT BRIDGE CREEK	Fecal Coliform	02N	02E	69			GB90VP	WA-28-1040
28	BURNT BRIDGE CREEK	pH	02N	01E	38			GB90VP	WA-28-1040
28	BURNT BRIDGE CREEK	Temperature	02N	01E	15			GB90VP	WA-28-1040
28	BURNT BRIDGE CREEK	Temperature	02N	01E	38			GB90VP	WA-28-1040
28	BURNT BRIDGE CREEK	Temperature	02N	02E	56			GB90VP	WA-28-1040
28	BURNT BRIDGE CREEK	Temperature	02N	02E	60			GB90VP	WA-28-1040
28	BURNT BRIDGE CREEK	Temperature	02N	02E	66			GB90VP	WA-28-1040
28	BURNT BRIDGE CREEK	Temperature	02N	02E	67			GB90VP	WA-28-1040
28	BURNT BRIDGE CREEK	Temperature	02N	02E	69			GB90VP	WA-28-1040
28	CHINA DITCH	Dissolved Oxygen	02N	03E	06			QY97TT	WA-28-2023
28	CHINA DITCH	Temperature	02N	03E	06			QY97TT	WA-28-2023

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28	CHINA LATERAL	Dissolved Oxygen	03N	02E	36			RP10YQ	None57
28	CHINA LATERAL	Temperature	03N	02E	36			RP10YQ	None57
28	COLUMBIA RIVER	Arsenic				45.625	122.015	NN57SG	WA-CR-101
28	COLUMBIA RIVER	Arsenic				45.645	122.745	NN57SG	WA-CR-101
28	COLUMBIA RIVER	Fecal Coliform				45.625	122.685	NN57SG	WA-CR-101
28	COLUMBIA RIVER	Fecal Coliform				45.805	122.785	NN57SG	WA-CR-101
28	COLUMBIA RIVER	Sediment Bioassay				45.645	122.745	NN57SG	WA-CR-101
28	COLUMBIA RIVER	Temperature				45.575	122.355	NN57SG	WA-CR-101
28	COLUMBIA RIVER	Temperature				45.605	122.055	NN57SG	WA-CR-101
28	COLUMBIA RIVER	Temperature				45.615	122.035	NN57SG	WA-CR-101
28	COLUMBIA RIVER	Temperature				45.625	122.015	NN57SG	WA-CR-101
28	COLUMBIA RIVER	Temperature				45.625	122.695	NN57SG	WA-CR-101
28	COLUMBIA RIVER	Temperature				45.635	121.945	NN57SG	WA-CR-102
28	COLUMBIA RIVER	Total Dissolved Gas				45.555	122.315	NN57SG	WA-CR-101
28	COLUMBIA RIVER	Total Dissolved Gas				45.575	122.355	NN57SG	WA-CR-101
28	COLUMBIA RIVER	Total Dissolved Gas				45.595	122.065	NN57SG	WA-CR-101
28	COLUMBIA RIVER	Total Dissolved Gas				45.605	122.055	NN57SG	WA-CR-101
28	COLUMBIA RIVER	Total Dissolved Gas				45.605	122.065	NN57SG	WA-CR-101
28	COLUMBIA RIVER	Total Dissolved Gas				45.605	122.065	NN57SG	WA-CR-102
28	COLUMBIA RIVER	Total Dissolved Gas				45.615	122.035	NN57SG	WA-CR-101
28	COLUMBIA RIVER	Total Dissolved Gas				45.635	121.945	NN57SG	WA-CR-102
28	COUGAR CANYON CREEK	Dissolved Oxygen	02N	01E	37			RU61ZG	WA-28-1023
28	COWPIE CREEK	Dissolved Oxygen	03N	02E	25			KE32SQ	None59
28	CURTIN CREEK	Fecal Coliform	03N	02E	20			XU25TT	WA-28-1026
28	DWYER CREEK	Dissolved Oxygen	02N	03E	50			YQ90IX	None58
28	DWYER CREEK	pH	02N	03E	50			YQ90IX	None58

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28	FIFTH PLAIN CREEK	Dissolved Oxygen	02N	03E	06			QO04UK	WA-28-2024
28	FIFTH PLAIN CREEK	Dissolved Oxygen	02N	03E	07			QO04UK	WA-28-2024
28	FIFTH PLAIN CREEK	Dissolved Oxygen	03N	03E	32			QO04UK	WA-28-2024
28	FIFTH PLAIN CREEK	Fecal Coliform	02N	03E	06			QO04UK	WA-28-2024
28	FIFTH PLAIN CREEK	Fecal Coliform	02N	03E	07			QO04UK	WA-28-2024
28	FIFTH PLAIN CREEK	Fecal Coliform	03N	03E	32			QO04UK	WA-28-2024
28	FIFTH PLAIN CREEK	pH	02N	03E	06			QO04UK	WA-28-2024
28	FIFTH PLAIN CREEK	pH	02N	03E	07			QO04UK	WA-28-2024
28	FIFTH PLAIN CREEK	pH	03N	03E	32			QO04UK	WA-28-2024
28	FIFTH PLAIN CREEK	Temperature	02N	03E	06			QO04UK	WA-28-2024
28	FIFTH PLAIN CREEK	Temperature	03N	03E	32			QO04UK	WA-28-2024
28	GIBBONS CREEK	Fecal Coliform	01N	04E	49			ZT56LK	WA-28-3010
28	LACAMAS CREEK	Dissolved Oxygen	01N	03E	44			YQ90IX	WA-28-2020
28	LACAMAS CREEK	Dissolved Oxygen	02N	03E	07			YQ90IX	WA-28-2020
28	LACAMAS CREEK	Dissolved Oxygen	02N	03E	10			YQ90IX	WA-28-2020
28	LACAMAS CREEK	Dissolved Oxygen	02N	03E	51			VQ90IX	WA-28-2020
28	LACAMAS CREEK	Dissolved Oxygen	02N	03E	51			YQ90IX	WA-28-2020
28	LACAMAS CREEK	Fecal Coliform	02N	03E	51			VQ90IX	WA-28-2020
28	LACAMAS CREEK	Fecal Coliform	02N	03E	51			YQ90IX	WA-28-2020
28	LACAMAS CREEK	pH	01N	03E	44			YQ90IX	WA-28-2020
28	LACAMAS CREEK	pH	02N	03E	07			YQ90IX	WA-28-2020
28	LACAMAS CREEK	pH	02N	03E	10			YQ90IX	WA-28-2020
28	LACAMAS CREEK	pH	02N	03E	51			VQ90IX	WA-28-2020
28	LACAMAS CREEK	pH	02N	03E	51			YQ90IX	WA-28-2020
28	LACAMAS CREEK	Temperature	01N	03E	44			YQ90IX	WA-28-2020
28	LACAMAS CREEK	Temperature	02N	03E	07			YQ90IX	WA-28-2020

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28	LACAMAS CREEK	Temperature	02N	03E	10			YQ90IX	WA-28-2020
28	LACAMAS CREEK	Temperature	02N	03E	51			VQ90IX	WA-28-2020
28	LACAMAS CREEK	Temperature	02N	03E	51			YQ90IX	WA-28-2020
28	LAKE RIVER	Fecal Coliform	04N	01W	38			IQ64OU	WA-28-1010
28	LAKE RIVER	Sediment Bioassay	04N	01W	44			IQ64OU	WA-28-1010
28	LAKE RIVER	Temperature	04N	01W	38			IQ64OU	WA-28-1010
28	MATNEY CREEK	Dissolved Oxygen	02N	03E	09			JY73PR	WA-28-2026
28	MATNEY CREEK	pH	02N	03E	09			JY73PR	WA-28-2026
28	MATNEY CREEK	Temperature	02N	03E	09			JY73PR	WA-28-2026
28	MILL CREEK	Fecal Coliform	03N	01E	24			IQ96OD	WA-28-1025
28	MILL DITCH	Dissolved Oxygen	01N	03E	47			YI74SA	None56
28	MILL DITCH	pH	01N	03E	47			YI74SA	None56
28	MILL DITCH	Temperature	01N	03E	47			YI74SA	None56
28	SALMON CREEK	Fecal Coliform	03N	01E	20			FP99QE	WA-28-1020
28	SALMON CREEK	Fecal Coliform	03N	01E	27			FP99QE	WA-28-1020
28	SALMON CREEK	Fecal Coliform	03N	02E	21			FP99QE	WA-28-1020
28	SALMON CREEK	Temperature	03N	01E	20			FP99QE	WA-28-1020
28	SALMON CREEK	Temperature	03N	01E	24			FP99QE	WA-28-1020
28	SALMON CREEK	Temperature	03N	01E	26			FP99QE	WA-28-1020
28	SALMON CREEK	Temperature	03N	02E	14			FP99QE	WA-28-1020
28	SALMON CREEK	Turbidity	03N	01E	20			FP99QE	WA-28-1020
28	SHANGHAI CREEK	Dissolved Oxygen	02N	03E	04			IA24XE	WA-28-2025
28	SHANGHAI CREEK	Dissolved Oxygen	02N	03E	05			IA24XE	WA-28-2025
28	SHANGHAI CREEK	pH	02N	03E	04			IA24XE	WA-28-2025
28	SHANGHAI CREEK	pH	02N	03E	05			IA24XE	WA-28-2025
28	SHANGHAI CREEK	Temperature	02N	03E	05			IA24XE	WA-28-2025

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28	WEAVER (WOODIN) CREEK	Fecal Coliform	03N	02E	02			HO68MC	WA-28-1027
28	WEAVER (WOODIN) CREEK	Fecal Coliform	03N	02E	11			HO68MC	WA-28-1027
28	WEAVER (WOODIN) CREEK	Fecal Coliform	03N	02E	15			HO68MC	WA-28-1027
28	WEAVER (WOODIN) CREEK	Fecal Coliform	04N	02E	35			HO68MC	WA-28-1027
29	BEAR CREEK	Temperature	03N	08E	04			EY50KO	WA-29-1025
29	EIGHTMILE CREEK	Temperature	04N	075E	13			NC52VG	WA-29-1028
29	INDIAN CREEK	Temperature	04N	11E	30			EQ92UC	WA-29-3016
29	INDIAN CREEK	Temperature	4N	11E	30			EQ92)C	WA-29-3016
29	RATTLESNAKE CREEK	Fecal Coliform	04N	11E	30			OY08TT	WA-29-3015
29	RATTLESNAKE CREEK	Temperature	04N	11E	16			EQ92UC	WA-29-3015
29	RATTLESNAKE CREEK	Temperature	04N	11E	30			OY08TT	WA-29-3015
29	TROUT LAKE CREEK	Fecal Coliform	06N	10E	24			OY08TT	WA-29-3030
29	WHITE SALMON RIVER	Fecal Coliform	04N	10E	11			OY08TT	WA-29-3010
29	WHITE SALMON RIVER	Fecal Coliform	06N	10E	24			OY08TT	WA-29-3010
30	BLOCKHOUSE CREEK	Instream Flow	04N	15E	17			ID95ML	WA-30-1023
30	BLOODGOOD CREEK	Instream Flow	04N	16E	17			XU61DO	WA-30-1025
30	BOWMAN CREEK	Instream Flow	05N	14E	35			TN94DB	WA-30-1021
30	BUTLER CREEK	Temperature	05N	17E	17			YU86SG	WA-30-1029
30	COLUMBIA RIVER	Temperature				45.605	121.185	NN57SG	WA-CR-102
30	COLUMBIA RIVER	Temperature				45.615	121.135	NN57SG	WA-CR-102
30	COLUMBIA RIVER	Temperature				45.705	120.725	NN57SG	WA-CR-102
30	COLUMBIA RIVER	Total Dissolved Gas				45.615	121.135	NN57SG	WA-CR-102
30	COLUMBIA RIVER	Total Dissolved Gas				45.705	120.725	NN57SG	WA-CR-102
30	COLUMBIA RIVER	Total Dissolved Gas				45.715	120.695	NN57SG	WA-CR-102
30	LITTLE KLICKITAT RIVER	Instream Flow	04N	14E	09			AY21LB	WA-30-1020
30	LITTLE KLICKITAT RIVER	Instream Flow	04N	15E	28			AY21LB	WA-30-1020

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30	LITTLE KLICKITAT RIVER	Temperature	04N	14E	09			AY21LB	WA-30-1020
30	LITTLE KLICKITAT RIVER, EAST PRONG	Temperature	05N	17E	03			PW77VQ	WA-30-1028
30	LITTLE KLICKITAT RIVER, EAST PRONG	Temperature	05N	17E	09			PW77VQ	WA-30-1028
30	LITTLE KLICKITAT RIVER, EAST PRONG	Temperature	05N	17E	10			PW77VQ	WA-30-1028
30	LITTLE KLICKITAT RIVER, EAST PRONG	Temperature	05N	17E	16			AG85MX	WA-30-1028
30	LITTLE KLICKITAT RIVER, EAST PRONG	Temperature	06N	17E	35			PU81CT	WA-30-1028
30	LITTLE KLICKITAT RIVER, WEST PRONG	Temperature	05N	17E	18			XU61EK	WA-30-1027
30	MILL CREEK	Instream Flow	04N	15E	05			FF43IZ	WA-30-1022
30	SWALE CREEK	Instream Flow	04N	14E	19			XN32HN	WA-30-1018
30	SWALE CREEK	Temperature	04N	14E	19			XN32HN	WA-30-1018
31	COLUMBIA RIVER	Arsenic	05N	28E	10			NN57SG	WA-CR-102
31	COLUMBIA RIVER	Sediment Bioassay				45.735	120.675	NN57SG	WA-CR-102
31	COLUMBIA RIVER	Sediment Bioassay				45.925	119.165	NN57SG	WA-CR-102
31	COLUMBIA RIVER	Sediment Bioassay				46.025	118.935	NN57SG	WA-CR-102
31	COLUMBIA RIVER	Sediment Bioassay				46.085	118.925	NN57SG	WA-CR-102
31	COLUMBIA RIVER	Sediment Bioassay				46.105	118.935	NN57SG	WA-CR-102
31	COLUMBIA RIVER	Temperature				45.715	120.685	NN57SG	WA-CR-102
31	COLUMBIA RIVER	Temperature				45.935	119.295	NN57SG	WA-CR-102
31	COLUMBIA RIVER	Total Dissolved Gas				45.715	120.685	NN57SG	WA-CR-102
31	COLUMBIA RIVER	Total Dissolved Gas				45.715	120.695	NN57SG	WA-CR-102
31	COLUMBIA RIVER	Total Dissolved Gas				45.925	119.295	NN57SG	WA-CR-102
31	COLUMBIA RIVER	Total Dissolved Gas				45.935	119.295	NN57SG	WA-CR-102

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
31	COLUMBIA RIVER	Total Dissolved Gas				45.935	119.305	NN57SG	WA-CR-102
32	MILL CREEK	Instream Flow	07N	36E	23			SS77BG	WA-32-1060
32	MILL CREEK	pH	07N	36E	23			SS77BG	WA-32-1070
32	MILL CREEK	Temperature	07N	36E	23			SS77BG	WA-32-1070
32	TOUCHET RIVER	Fecal Coliform	07N	33E	33			LV94PX	WA-32-1020
32	TOUCHET RIVER	Temperature	07N	33E	33			LV94PX	WA-32-1020
32	TOUCHET RIVER	Temperature	10N	39E	30			LV94PX	WA-32-1020
32	WALLA WALLA RIVER	4,4'-DDE	07N	31E	25			QE90PI	WA-32-1010
32	WALLA WALLA RIVER	4,4'-DDT	07N	31E	25			QE90PI	WA-32-1010
32	WALLA WALLA RIVER	Chlordane	07N	31E	25			QE90PI	WA-32-1010
32	WALLA WALLA RIVER	Dieldrin	07N	31E	25			QE90PI	WA-32-1010
32	WALLA WALLA RIVER	Fecal Coliform	07N	32E	35			QE90PI	WA-32-1010
32	WALLA WALLA RIVER	Heptachlor	07N	31E	25			QE90PI	WA-32-1010
32	WALLA WALLA RIVER	Heptachlor Epoxide	07N	31E	25			QE90PI	WA-32-1010
32	WALLA WALLA RIVER	Hexachlorobenzene	07N	31E	26			QE90PI	WA-32-1010
32	WALLA WALLA RIVER	Instream Flow	06N	33E	06			QE90PI	WA-32-1010
32	WALLA WALLA RIVER	PCB-1260	07N	31E	26			QE90PI	WA-32-1010
32	WALLA WALLA RIVER	pH	07N	32E	35			QE90PI	WA-32-1010
32	WALLA WALLA RIVER	Temperature	07N	32E	35			QE90PI	WA-32-1010
33	SNAKE RIVER	Dissolved Oxygen	08N	30E	02			YB86JO	WA-33-1010
33	SNAKE RIVER	Temperature	08N	30E	02			YB86JO	WA-33-1010
33	SNAKE RIVER	Temperature	09N	31E	23			YB86JO	WA-33-1010
33	SNAKE RIVER	Temperature	09N	32E	19			YB86J)	WA-33-1010
33	SNAKE RIVER	Temperature	13N	34E	34			YB86JO	WA-33-1010
33	SNAKE RIVER	Total Dissolved Gas	09N	30E	35			YB86JO	WA-33-1010
33	SNAKE RIVER	Total Dissolved Gas	09N	31E	24			YB86JO	WA-33-1010

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33	SNAKE RIVER	Total Dissolved Gas	09N	31E	29			YB86JO	WA-33-1010
33	SNAKE RIVER	Total Dissolved Gas	12N	34E	03			YB86JO	WA-33-1010
33	SNAKE RIVER	Total Dissolved Gas	13N	34E	34			YB86JO	WA-33-1010
34	MEDICAL LAKE	Total Phosphorus	24N	41E	19			492YVP	WA-34-9245
34	MISSOURI FLAT CREEK	Dissolved Oxygen	14N	45E	05			YU73RJ	WA-34-1024
34	MISSOURI FLAT CREEK	Fecal Coliform	14N	45E	05			YU73RJ	WA-34-1024
34	PALOUSE RIVER	4,4'-DDE	17N	40E	20			NX00WG	WA-34-1010
34	PALOUSE RIVER	Chromium	15N	37E	26			NX00WG	WA-34-1010
34	PALOUSE RIVER	Dieldrin	17N	40E	20			NX00WG	WA-34-1010
34	PALOUSE RIVER	Dissolved Oxygen	15N	37E	26			NX00WG	WA-34-1010
34	PALOUSE RIVER	Dissolved Oxygen	16N	43E	11			ZX82FM	WA-34-1030
34	PALOUSE RIVER	Dissolved Oxygen	16N	43E	14			ZX82FM	WA-34-1030
34	PALOUSE RIVER	Dissolved Oxygen	16N	46E	06			NX00WG	WA-34-1030
34	PALOUSE RIVER	Fecal Coliform	15N	37E	26			NX00WG	WA-34-1010
34	PALOUSE RIVER	Fecal Coliform	16N	46E	06			NX00WG	WA-34-1030
34	PALOUSE RIVER	Heptachlor Epoxide	17N	40E	20			NX00WG	WA-34-1010
34	PALOUSE RIVER	PCB-1260	17N	40E	20			NX00WG	WA-34-1010
34	PALOUSE RIVER	pH	15N	37E	26			NX00WG	WA-34-1010
34	PALOUSE RIVER	pH	16N	43E	11			ZX82FM	WA-34-1030
34	PALOUSE RIVER	pH	16N	43E	14			ZX82FM	WA-34-1030
34	PALOUSE RIVER	pH	16N	46E	06			NX00WG	WA-34-1030
34	PALOUSE RIVER	pH	17N	41E	02			NX00WG	WA-34-1010
34	PALOUSE RIVER	pH	17N	42E	22			NX00WG	WA-34-1010
34	PALOUSE RIVER	Temperature	15N	37E	26			NX00WG	WA-34-1010
34	PALOUSE RIVER	Temperature	16N	43E	11			ZX82FM	WA-34-1030
34	PALOUSE RIVER	Temperature	16N	43E	14			ZX82FM	WA-34-1030

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34	PALOUSE RIVER	Temperature	16N	46E	06			NX00WG	WA-34-1030
34	PALOUSE RIVER	Temperature	17N	41E	02			NX00WG	WA-34-1010
34	PALOUSE RIVER, S.F.	Dissolved Oxygen	14N	45E	08			ZX82FM	WA-34-1020
34	PALOUSE RIVER, S.F.	Dissolved Oxygen	15N	44E	10			ZX82FM	WA-34-1020
34	PALOUSE RIVER, S.F.	Dissolved Oxygen	15N	44E	15			ZX82FM	WA-34-1020
34	PALOUSE RIVER, S.F.	Dissolved Oxygen	15N	44E	25			ZX82FM	WA-34-1020
34	PALOUSE RIVER, S.F.	Dissolved Oxygen	15N	44E	26			ZX82FM	WA-34-1020
34	PALOUSE RIVER, S.F.	Dissolved Oxygen	15N	44E	36			ZX82FM	WA-34-1020
34	PALOUSE RIVER, S.F.	Dissolved Oxygen	15N	45E	31			ZX82FM	WA-34-1020
34	PALOUSE RIVER, S.F.	Dissolved Oxygen	16N	43E	14			ZX82FM	WA-34-1020
34	PALOUSE RIVER, S.F.	Fecal Coliform	14N	45E	05			ZX82FM	WA-34-1020
34	PALOUSE RIVER, S.F.	Fecal Coliform	14N	45E	06			ZX82FM	WA-34-1020
34	PALOUSE RIVER, S.F.	Fecal Coliform	14N	45E	08			ZX82FM	WA-34-1020
34	PALOUSE RIVER, S.F.	Fecal Coliform	14N	45E	16			ZX82FM	WA-34-1020
34	PALOUSE RIVER, S.F.	Fecal Coliform	15N	44E	10			ZX82FM	WA-34-1020
34	PALOUSE RIVER, S.F.	Fecal Coliform	15N	44E	15			ZX82FM	WA-34-1020
34	PALOUSE RIVER, S.F.	Fecal Coliform	15N	44E	25			ZX82FM	WA-34-1020
34	PALOUSE RIVER, S.F.	Fecal Coliform	15N	44E	26			ZX82FM	WA-34-1020
34	PALOUSE RIVER, S.F.	Fecal Coliform	15N	44E	36			ZX82FM	WA-34-1020
34	PALOUSE RIVER, S.F.	Fecal Coliform	15N	45E	31			ZX82FM	WA-34-1020
34	PALOUSE RIVER, S.F.	pH	14N	45E	05			ZX82FM	WA-34-1020
34	PALOUSE RIVER, S.F.	pH	14N	45E	16			ZX82FM	WA-34-1020
34	PALOUSE RIVER, S.F.	pH	16N	43E	14			ZX82FM	WA-34-1020
34	PALOUSE RIVER, S.F.	Temperature	14N	45E	05			ZX82FM	WA-34-1020
34	PALOUSE RIVER, S.F.	Temperature	15N	38E	22			NX00WG	WA-34-1020
34	PALOUSE RIVER, S.F.	Temperature	15N	44E	25			ZX82FM	WA-34-1020

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34	PALOUSE RIVER, S.F.	Temperature	16N	43E	14			ZX82FM	WA-34-1020
34	PARADISE CREEK	Ammonia-N	14N	45E	01			YO22BZ	WA-34-1025
34	PARADISE CREEK	Ammonia-N	14N	46E	05			YO22BZ	WA-34-1025
34	PARADISE CREEK	Dissolved Oxygen	14N	45E	01			YO22BZ	WA-34-1025
34	PARADISE CREEK	Dissolved Oxygen	14N	45E	03			YO22BZ	WA-34-1025
34	PARADISE CREEK	Dissolved Oxygen	14N	45E	05			ZX82FM	WA-34-1025
34	PARADISE CREEK	Dissolved Oxygen	14N	46E	05			YO22BZ	WA-34-1025
34	PARADISE CREEK	Fecal Coliform	14N	45E	01			YO22BZ	WA-34-1025
34	PARADISE CREEK	Fecal Coliform	14N	45E	03			YO22BZ	WA-34-1025
34	PARADISE CREEK	Fecal Coliform	14N	45E	04			YO22BZ	WA-34-1025
34	PARADISE CREEK	Fecal Coliform	14N	45E	05			YO22BZ	WA-34-1025
34	PARADISE CREEK	Fecal Coliform	14N	46E	05			YO22BZ	WA-34-1025
34	PARADISE CREEK	Temperature	14N	46E	05			YO22BZ	WA-34-1025
34	PINE CREEK	Dissolved Oxygen	20N	42E	28			JH09DA	WA-34-1017
34	PINE CREEK	pH	20N	42E	28			JH09DA	WA-34-1017
34	PINE CREEK	Temperature	20N	42E	28			JH09DA	WA-34-1017
34	REBEL FLAT CREEK	Dissolved Oxygen	117N	40E	29			MT96QP	WA-34-4010
34	REBEL FLAT CREEK	Fecal Coliform	17N	40E	25			MT96QP	WA-34-4010
34	REBEL FLAT CREEK	Fecal Coliform	17N	41E	31			MT96QP	WA-34-4010
34	REBEL FLAT CREEK	Fecal Coliform	17N	41E	33			MT96QP	WA-34-4010
34	ROCK CREEK	pH	18N	39E	05			LW80TE	WA-34-1015
34	ROCK CREEK	Temperature	18N	39E	05			LW80TE	WA-34-1015
34	UNION FLAT CREEK	Temperature	16N	39E	24			HA80OL	WA-34-3010
35	ASOTIN CREEK	Fecal Coliform	10N	46E	20			KP78KL	WA-35-1030
35	PATAHA CREEK	Fecal Coliform	12N	41E	35			BT00LT	WA-35-2013
35	PATAHA CREEK	Fecal Coliform	12N	41E	36			BT00LT	WA-35-2013

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35	SNAKE RIVER	Temperature	07N	47E	07			YB86JO	WA-35-1020
35	SNAKE RIVER	Temperature	11N	46E	46E			YB86JO	WA-35-1020
35	SNAKE RIVER	Temperature	13N	38E	27			YB86JO	WA-35-1010
35	SNAKE RIVER	Temperature	14N	43E	32			YB86JO	WA-35-1010
35	SNAKE RIVER	Total Dissolved Gas	13N	38E	27			VB86JO	WA-35-1010
35	SNAKE RIVER	Total Dissolved Gas	14N	43E	32			YB86JO	WA-35-1010
35	TUCANNON RIVER	Temperature	12N	37E	11			KL66VJ	WA-35-2010
36	COLUMBIA RIVER	pH	13N	24E	11			NN57SG	WA-CR-103
36	EAST POTHOLES CANAL	Dissolved Oxygen	13N	30E	26			IP50ZP	WA-36-3000
36	EAST POTHOLES CANAL	Temperature	13N	30E	26			IP50XP	WA-36-3000
36	ELTOPIA BRANCH CANAL	Temperature	12N	29E	14			WJ38EW	WA-36-1100
36	ESQUATZEL COULEE	Dissolved Oxygen	10N	28E	13			WZ59LC	WA-36-1010
36	ESQUATZEL COULEE	pH	10N	30E	08			LQ86BT	WA-36-1010
36	ESQUATZEL COULEE	Temperature	10N	28E	13			WZ59LC	WA-36-1010
36	ESQUATZEL COULEE	Temperature	10N	30E	04			DP09CI	WA-36-1010
36	ESQUATZEL COULEE	Temperature	10N	30E	08			LQ86BT	WA-36-1010
36	ESQUATZEL COULEE	Temperature	13N	30E	35			HM91VL	WA-36-1010
36	MATTAWA DRAIN	Temperature	13N	24E	03			ZR52QM	None61
36	MATTAWA WASTEWAY	Temperature	14N	24E	07			VS50HP	None60
36	POTHOLES CANAL	Dissolved Oxygen	10N	28E	01			MS59OD	None63
36	POTHOLES CANAL	Temperature	10N	28E	01			MS59OD	None63
36	SCBID PE 16.4 WASTEWAY	Temperature	12N	28E	24			PB53CQ	None62
36	SCOOTENEY WASTEWAY	Dissolved Oxygen	14N	30E	01			JA09UE	WA-36-3010
36	SCOOTENEY WASTEWAY	pH	14N	30E	01			JA09UE	WA-36-3010
36	SCOOTENEY WASTEWAY	Temperature	14N	30E	01			JA09UE	WA-36-3010
36	WB5 WASTEWAY #1	Temperature	12N	28E	11			UL81HU	None64

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
37	GIFFIN LAKE	Total Phosphorus	09N	22E	23			766SMZ	WA-37-9030
37	GRANGER DRAIN	4,4'-DDD	10N	21E	21			KO70CH	WA-37-1024
37	GRANGER DRAIN	4,4'-DDE	10N	21E	21			KO70CH	WA-37-1024
37	GRANGER DRAIN	Ammonia-N	10N	21E	22			KO70CH	WA-37-1024
37	GRANGER DRAIN	DDT	10N	21E	21			EB21AR	WA-37-1024
37	GRANGER DRAIN	DDT	10N	21E	21			KO70CH	WA-37-1024
37	GRANGER DRAIN	Dieldrin	10N	21E	21			EB21AR	WA-37-1024
37	GRANGER DRAIN	Dieldrin	10N	21E	21			KO70CH	WA-37-1024
37	GRANGER DRAIN	Dissolved Oxygen	10N	21E	22			KO70CH	WA-37-1024
37	GRANGER DRAIN	Endosulfan	10N	21E	21			KO70CH	WA-37-1024
37	GRANGER DRAIN	Fecal Coliform	10N	21E	21			EB21AR	WA-37-1024
37	GRANGER DRAIN	pH	10N	21E	22			KO70CH	WA-37-1024
37	GRANGER DRAIN	Temperature	10N	21E	22			KO70CH	WA-37-1024
37	MOXEE (BIRCHFIELD) DRAIN	4,4'-DDD	12N	13E	09			VE21WY	WA-37-1048
37	MOXEE (BIRCHFIELD) DRAIN	4,4'-DDE	12N	13E	09			VE21WY	WA-37-1048
37	MOXEE (BIRCHFIELD) DRAIN	Chlorpyrifos	12N	19E	08			YE21MH	WA-37-1048
37	MOXEE (BIRCHFIELD) DRAIN	DDT	12N	19E	08			YE21MH	WA-37-1048
37	MOXEE (BIRCHFIELD) DRAIN	DDT	12N	19E	09			TK46RP	WA-37-1048
37	MOXEE (BIRCHFIELD) DRAIN	Dieldrin	12N	19E	09			TK46RP	WA-37-1048
37	MOXEE (BIRCHFIELD) DRAIN	Dissolved Oxygen	13N	19E	16			OI57XE	WA-37-1048

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
37	MOXEE (BIRCHFIELD) DRAIN	Endosulfan	12N	19E	08			YE21MH	WA-37-1048
37	MOXEE (BIRCHFIELD) DRAIN	Endosulfan	12N	19E	09			TK46RP	WA-37-1048
37	MOXEE (BIRCHFIELD) DRAIN	Fecal Coliform	12N	19E	08			DY38VO	WA-37-1048
37	MOXEE (BIRCHFIELD) DRAIN	pH	13N	19E	16			OI57XE	WA-37-1048
37	MOXEE (BIRCHFIELD) DRAIN	Temperature	13N	19E	16			OI57XE	WA-37-1048
37	SNIPES CREEK	Dissolved Oxygen	09N	25E	27			SL56UX	WA-37-1012
37	SNIPES CREEK	Temperature	09N	25E	27			SL56UX	WA-37-1012
37	SPRING CREEK	Temperature	12N	19E	05			NO-ID	WA-37-2105
37	SPRING CREEK	Temperature	12N	19E	08			NO-ID	WA-37-2105
37	SULPHUR CREEK WASTEWAY	4,4'-DDD	09N	22E	24			YT62AF	WA-37-1030
37	SULPHUR CREEK WASTEWAY	4,4'-DDE	09N	22E	24			YT62AF	WA-37-1030
37	SULPHUR CREEK WASTEWAY	DDT	09N	23E	25			ZS24RD	WA-37-1030
37	SULPHUR CREEK WASTEWAY	Dieldrin	09N	23E	25			ZS24RD	WA-37-1030
37	SULPHUR CREEK WASTEWAY	Endosulfan	09N	23E	25			ZS24RD	WA-37-1030
37	SULPHUR CREEK WASTEWAY	Temperature	09N	22E	24			YT62AF	WA-37-1030
37	WIDE HOLLOW CREEK	4,4'-DDD	12N	19E	08			DY38VO	WA-37-1047
37	WIDE HOLLOW CREEK	4,4'-DDE	12N	19E	08			DY38VO	WA-37-1047
37	WIDE HOLLOW CREEK	DDT	12N	19E	08			EB21AR	WA-37-1047

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
37	WIDE HOLLOW CREEK	Dieldrin	12N	19E	08			EB21AR	WA-37-1047
37	WIDE HOLLOW CREEK	Dissolved Oxygen	13N	18E	35			DY38VO	WA-37-1047
37	WIDE HOLLOW CREEK	Endosulfan	12N	19E	08			EB21AR	WA-37-1047
37	WIDE HOLLOW CREEK	Fecal Coliform	12N	19E	06			DY38VO	WA-37-1047
37	WIDE HOLLOW CREEK	Fecal Coliform	12N	19E	07			DY38VO	WA-37-1047
37	WIDE HOLLOW CREEK	Fecal Coliform	12N	19E	08			DY38VO	WA-37-1047
37	WIDE HOLLOW CREEK	Fecal Coliform	13N	18E	35			DY38VO	WA-37-1047
37	WIDE HOLLOW CREEK	Temperature	12N	19E	08			EB21AR	WA-37-1047
37	WIDE HOLLOW CREEK	Temperature	13N	18E	38			DY38VO	WA-37-1047
37	YAKIMA RIVER	4,4'-DDD	09N	27E	19			EB21AR	WA-37-1010
37	YAKIMA RIVER	4,4'-DDE	09N	27E	19			EB21AR	WA-37-1010
37	YAKIMA RIVER	4,4'-DDE	10N	27E	03			EB21AR	WA-37-1010
37	YAKIMA RIVER	4,4'-DDE	11N	20E	20			EB21AR	WA-37-1020
37	YAKIMA RIVER	Arsenic	09N	22E	18			EB21AR	WA-37-1010
37	YAKIMA RIVER	Arsenic	09N	23E	34			EB21AR	WA-37-1010
37	YAKIMA RIVER	Arsenic	09N	27E	19			EB21AR	WA-37-1010
37	YAKIMA RIVER	DDT	09N	27E	19			EB21AR	WA-37-1010
37	YAKIMA RIVER	DDT	11N	20E	20			EB21AR	WA-37-1020
37	YAKIMA RIVER	Dieldrin	09N	27E	19			EB21AR	WA-37-1010
37	YAKIMA RIVER	Dieldrin	10N	27E	03			EB21AR	WA-37-1010
37	YAKIMA RIVER	Dieldrin	11N	20E	20			EB21AR	WA-37-1020
37	YAKIMA RIVER	Dissolved Oxygen	08N	24E	01			EB21AR	WA-37-1010
37	YAKIMA RIVER	Endosulfan	09N	27E	19			EB21AR	WA-37-1010
37	YAKIMA RIVER	Fecal Coliform	09N	22E	25			EB21AR	WA-37-1010
37	YAKIMA RIVER	Fecal Coliform	09N	23E	34			EB21AR	WA-37-1010
37	YAKIMA RIVER	Fecal Coliform	12N	19E	17			EB21AR	WA-37-1040

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
37	YAKIMA RIVER	Instream Flow	09N	25E	31			EB21AR	WA-37-1010
37	YAKIMA RIVER	Instream Flow	12N	19E	28			EB21AR	WA-37-1020
37	YAKIMA RIVER	Mercury	09N	22E	18			EB21AR	WA-37-1010
37	YAKIMA RIVER	Mercury	09N	27E	19			EB21AR	WA-37-1010
37	YAKIMA RIVER	Mercury	12N	19E	17			EB21AR	WA-37-1040
37	YAKIMA RIVER	PCB-1254	10N	27E	03			EB21AR	WA-37-1010
37	YAKIMA RIVER	PCB-1260	09N	27E	19			EB21AR	WA-37-1010
37	YAKIMA RIVER	PCB-1260	10N	27E	03			EB21AR	WA-37-1010
37	YAKIMA RIVER	pH	09N	27E	19			EB21AR	WA-37-1010
37	YAKIMA RIVER	Silver	09N	22E	18			EB21AR	WA-37-1010
37	YAKIMA RIVER	Silver	12N	19E	17			EB21AR	WA-37-1040
37	YAKIMA RIVER	Temperature	08N	24E	01			EB21AR	WA-37-1010
37	YAKIMA RIVER	Temperature	09N	26E	13			EB21AR	WA-37-1010
37	YAKIMA RIVER	Temperature	09N	27E	19			EB21AR	WA-37-1010
37	YAKIMA RIVER	Turbidity	09N	27E	20			EB21AR	WA-37-1010
38	AMERICAN RIVER	Temperature	17N	13E	12			QX86IU	WA-38-1060
38	BEAR CREEK	Temperature	19N	13E	32			JJ42VM	WA-38-1088
38	BLOWOUT CREEK	Temperature	19N	12E	35			OL73EW	WA-38-1091
38	BUMPING RIVER	Temperature	17N	13E	12			XR40PP	WA-38-1070
38	COWICHE CREEK	Fecal Coliform	13N	17E	11			AR69RI	WA-38-1015
38	COWICHE CREEK	Instream Flow	13N	18E	09			AR69RI	WA-38-1015
38	COWICHE CREEK	Temperature	13N	15E	22			VD04IL	WA-38-1015
38	COWICHE CREEK	Temperature	13N	17E	11			AR69RI	WA-38-1015
38	COWICHE CREEK, N.F.	Fecal Coliform	13N	17E	03			TY98TL	WA-38-1016
38	COWICHE CREEK, N.F.	Fecal Coliform	14N	17E	18			TY98TL	WA-38-1016
38	COWICHE CREEK, N.F.	Temperature	13N	17E	03			TY98TL	WA-38-1016

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
38	COWICHE CREEK, N.F.	Temperature	14N	17E	18			TY98TL	WA-38-1016
38	COWICHE CREEK, S.F.	Fecal Coliform	13N	17E	03			VD04IL	WA-38-1017
38	COWICHE CREEK, S.F.	Fecal Coliform	14N	16E	35			VD04IL	WA-38-1017
38	COWICHE CREEK, S.F.	Temperature	13N	17E	03			VD04IL	WA-38-1017
38	COWICHE CREEK, S.F.	Temperature	14N	16E	35			VD04IL	WA-38-1017
38	CROW CREEK	Temperature	18N	14E	30			TL45HC	WA-38-1081
38	GOLD CREEK	Temperature	17N	14E	36			CR82VL	WA-38-1041
38	LITTLE NACHES RIVER	Temperature	17N	14E	04			JR85ZB	WA-38-1080
38	LITTLE NACHES RIVER	Temperature	18N	14E	32			JR85ZB	WA-38-1080
38	LITTLE NACHES RIVER	Temperature	19N	13E	31			JR85ZB	WA-38-1080
38	LITTLE RATTLESNAKE CREEK	Temperature	15N	15E	01			FD68UD	WA-38-1036
38	MATHEW CREEK	Temperature	18N	13E	10			LW85BJ	WA-38-1086
38	MYRON LAKE	Ammonia-N	13N	18E	10			130UZL	WA-38-9080
38	NACHES RIVER	pH	13N	18E	12			NK19LR	WA-38-1010
38	NACHES RIVER	Silver	13N	18E	12			NK19LR	WA-38-1010
38	NACHES RIVER	Temperature	13N	18E	12			NK19LR	WA-38-1010
38	NILE CREEK, N.F.	Temperature	16N	15E	03			IN37QB	WA-38-2110
38	RATTLESNAKE CREEK	Temperature	15N	14E	10			MB08QY	WA-38-1035
38	RATTLESNAKE CREEK	Temperature	15N	15E	09			MB08QY	WA-38-1037
38	REYNOLDS CREEK	Temperature	13N	15E	15			BI05EL	WA-38-1018
38	TIETON RIVER, S.F.	Temperature	13N	13E	13			NV27KW	WA-38-3000
39	BIG CREEK	Instream Flow	20N	14E	29			OY16AG	WA-39-1073
39	BIG CREEK	Temperature	20N	14E	29			OY16AG	WA-39-1073
39	BLUE CREEK	Temperature	21N	17E	02			BU07PV	WA-39-1435
39	CABIN CREEK	Temperature	20N	13E	09			CX24KB	WA-39-1075

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
39	CHERRY CREEK	4,4'-DDE	17N	19E	29			FT68CJ	WA-39-1032
39	CHERRY CREEK	DDT	17N	19E	29			FT68CJ	WA-39-1032
39	CHERRY CREEK	Dieldrin	17N	19E	29			FT68CJ	WA-39-1032
39	CHERRY CREEK	Temperature	17N	19E	31			FT68CJ	WA-39-1032
39	CLE ELUM RIVER	Temperature	20N	14E	10			XN92GU	WA-39-1050
39	COOKE CREEK	Dissolved Oxygen	17N	19E	10			SZ58XV	WA-39-1034
39	COOKE CREEK	Dissolved Oxygen	17N	19E	11			SZ58XV	WA-39-1034
39	COOKE CREEK	Fecal Coliform	17N	19E	10			SZ58XV	WA-39-1034
39	COOKE CREEK	Fecal Coliform	17N	19E	11			SZ58XV	WA-39-1034
39	COOKE CREEK	Temperature	19N	20E	19			SZ58XV	WA-39-1034
39	COOPER RIVER	Temperature	22N	14E	16			WX84IT	WA-39-1055
39	GALE CREEK	Temperature	22N	13E	32			RZ54RL	WA-39-1300
39	GOLD CREEK	Temperature	22N	11E	01			ZS28LG	WA-39-1390
39	IRON CREEK	Temperature	21N	17E	03			YW62RW	WA-39-1440
39	LOG CREEK	Temperature	20N	13E	19			SP21BV	WA-39-1077
39	LOOKOUT CREEK	Temperature	19N	14E	02			YU33XF	WA-39-1558
39	MANASTASH CREEK	Instream Flow	17N	18E	04			AT33DI	WA-39-3000
39	MANASTASH CREEK, S.F.	Temperature	17N	17E	17			WW44PW	WA-39-3020
39	MANASTASH CREEK, S.F.	Temperature	18N	15E	36			WW44PW	WA-39-3025
39	MEADOW CREEK	Temperature	21N	11E	13			CL02YY	WA-39-1350
39	NANEUM CREEK	Temperature	19N	19E	03			MA29CN	WA-39-1025
39	SELAH DITCH	Ammonia-N	13N	18E	01			DV19FG	WA-39-1110
39	SELAH DITCH	Chlorine	13N	18E	01			DV19FG	WA-39-1110
39	SELAH DITCH	Dissolved Oxygen	13N	18E	01			DV19FG	WA-39-1110
39	STAFFORD CREEK	Temperature	22N	16E	33			IY03YA	WA-39-2155
39	SWAUK CREEK	Temperature	20N	17E	01			EQ32WA	WA-39-1400

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39	SWAUK CREEK	Temperature	21N	17E	15			EQ32WA	WA-39-1420
39	TANEUM CREEK	Instream Flow	19N	17E	33			WF36AI	WA-39-1500
39	TANEUM CREEK	Temperature	18N	17E	04			WF36AI	WA-39-1520
39	TANEUM CREEK, S.F.	Temperature	19N	15E	26			WJ69FI	WA-39-1570
39	TEANAWAY RIVER	Instream Flow	19N	16E	03			ZH39IA	WA-39-2000
39	TEANAWAY RIVER	Temperature	19N	16E	03			ZH39IA	WA-39-2000
39	TEANAWAY RIVER, M.F.	Temperature	20N	16E	06			KB71OY	WA-39-2200
39	TEANAWAY RIVER, M.F.	Temperature	21N	15E	02			MB56NU	WA-39-2250
39	TEANAWAY RIVER, M.F.	Temperature	21N	15E	16			KB71OY	WA-39-2250
39	TEANAWAY RIVER, M.F.	Temperature	21N	15E	21			KB71OY	WA-39-2200
39	TEANAWAY RIVER, N.F.	Temperature	20N	16E	06			TI29YR	WA-39-2100
39	TEANAWAY RIVER, N.F.	Temperature	21N	16E	05			TI29YR	WA-39-2150
39	TEANAWAY RIVER, N.F.	Temperature	22N	16E	32			TI29YR	WA-39-2150
39	TEANAWAY RIVER, W.F.	Temperature	20N	15E	01			OD70SN	WA-39-2350
39	TEANAWAY RIVER, W.F.	Temperature	21N	15E	19			OD70SN	WA-39-2300
39	TEANAWAY RIVER, W.F.	Temperature	21N	15E	19			OD70SN	WA-39-2350
39	THORP CREEK	Temperature	22N	13E	25			WA85GA	WA-39-1053
39	WAPTUS RIVER	Temperature	22N	14E	04			XB92PJ	WA-39-1057
39	WENAS CREEK	Instream Flow	16N	16E	24			RJ61TR	WA-39-1012
39	WILLIAMS CREEK	Temperature	20N	17E	02			BI77WY	WA-39-1425
39	WILSON CREEK	Fecal Coliform	17N	18E	25			EB21AR	WA-39-1020
39	WILSON CREEK	Fecal Coliform	18N	19E	30			PY59BF	WA-39-1020
39	WILSON CREEK	Temperature	17N	19E	30			PY59BF	WA-39-1020
39	WILSON CREEK	Temperature	17N	19E	31			PY59BF	WA-39-1020
39	YAKIMA RIVER	4,4'-DDE	16N	19E	33			EB21AR	WA-39-1010
39	YAKIMA RIVER	4,4'-DDE	20N	15E	27			EB21AR	WA-39-1030

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
39	YAKIMA RIVER	Cadmium	16N	19E	20			EB21AR	WA-39-1010
39	YAKIMA RIVER	Cadmium	19N	16E	04			EB21AR	WA-39-1030
39	YAKIMA RIVER	Copper	16N	19E	20			EB21AR	WA-39-1010
39	YAKIMA RIVER	Copper	18N	18E	33			EB21AR	WA-39-1030
39	YAKIMA RIVER	DDT	16N	19E	33			EB21AR	WA-39-1010
39	YAKIMA RIVER	DDT	20N	15E	27			EB21AR	WA-39-1030
39	YAKIMA RIVER	Dieldrin	16N	19E	33			EB21AR	WA-39-1010
39	YAKIMA RIVER	Dissolved Oxygen	20N	14E	36			EB21AR	WA-39-1060
39	YAKIMA RIVER	Mercury	16N	19E	20			EB21AR	WA-39-1010
39	YAKIMA RIVER	Mercury	19N	16E	04			EB21AR	WA-39-1030
39	YAKIMA RIVER	Silver	16N	19E	20			EB21AR	WA-39-1010
39	YAKIMA RIVER	Temperature	20N	13E	10			EB21AR	WA-39-1070
39	YAKIMA RIVER	Temperature	20N	14E	36			EB21AR	WA-39-1060
40	COLUMBIA RIVER	Total Dissolved Gas				46.645	119.905	NN57SG	WA-CR-103
40	COLUMBIA RIVER	Total Dissolved Gas	21N	22E	05			NN57SG	WA-CR-104
40	COLUMBIA RIVER	Total Dissolved Gas	22N	20E	14			NN57SG	WA-CR-104
41	COLUMBIA RIVER	Total Dissolved Gas	16N	23E	08			NN57SG	WA-CR-104
41	CRAB CREEK	4,4'-DDE	15N	23E	03			WR93CG	WA-41-1010
41	CRAB CREEK	PCB-1254	15N	23E	03			WR93CG	WA-41-1010
41	CRAB CREEK	PCB-1260	15N	23E	03			WR93CG	WA-41-1010
41	CRAB CREEK	pH	15N	23E	03			WR93CG	WA-41-1010
41	CRAB CREEK	pH	16N	24E	33			WR93CG	WA-41-1010
41	CRAB CREEK	pH	17N	28E	34			VM29FQ	WA-41-1010
41	CRAB CREEK	Temperature	15N	23E	03			WR93CG	WA-41-1010
41	CRAB CREEK	Temperature	16N	24E	33			WR93CG	WA-41-1010
41	CRAB CREEK	Temperature	17N	28E	34			VM29FQ	WA-41-1010

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
41	CRAB CREEK	Temperature	19N	28E	11			FU07MU	WA-41-1030
41	CRAB CREEK LATERAL	Temperature	16N	27E	09			QF71NO	WA-41-1016
41	CRAB CREEK LATERAL	Temperature	16N	28E	18			QF71NO	WA-41-1016
41	EAST POTHOLES CANAL	Dissolved Oxygen	17N	29E	34			MG17CB	WA-41-3000
41	EAST POTHOLES CANAL	Temperature	17N	29E	34			MG17CB	WA-41-3000
41	FRENCHMAN HILLS WASTEWAY	pH	17N	27E	09			AR96YO	WA-41-1120
41	FRENCHMAN HILLS WASTEWAY	Temperature	17N	27E	09			AR96YO	WA-41-1120
41	LIND COULEE	Dissolved Oxygen	18N	29E	35			WZ45YS	WA-41-3500
41	LIND COULEE	pH	18N	29E	35			WZ45YS	WA-41-3500
41	LIND COULEE	Temperature	18N	29E	35			WZ45YS	WA-41-3500
41	POTHOLES LAKE	Dieldrin				47.985	119.345	833WBK	WA-41-9280
41	POTHOLES LAKE	Dieldrin	17N	29E	03	47.995	119.175	833WBK	WA-41-9280
41	RED ROCK COULEE	Dissolved Oxygen	16N	26E	20			UT36LI	WA-41-1018
41	RED ROCK COULEE	pH	16N	26E	20			UT36LI	WA-41-1018
41	RED ROCK COULEE	Temperature	16N	26E	20			UT36LI	WA-41-1018
41	ROCKY FORD CREEK	Dissolved Oxygen	20N	27E	05			RC52FG	WA-41-2010
41	ROCKY FORD CREEK	Dissolved Oxygen	20N	27E	27E			RC52FG	WA-41-2010
41	ROCKY FORD CREEK	pH	20N	27E	05			RC52FG	WA-41-2010
41	ROCKY FORD CREEK	Temperature	20N	27E	05			RC52FG	WA-41-2010
41	SAND HOLLOW CREEK	pH	17N	23E	27			DI77OE	WA-41-5000
41	SAND HOLLOW CREEK	Temperature	17N	23E	27			DI77OE	WA-41-5000
41	W645W WASTEWAY	Dissolved Oxygen	20N	23E	25			DA61BM	WA-41-4500
41	W645W WASTEWAY	Temperature	18N	25E	33			IP 94F	WA-41-4500
41	W645W WASTEWAY	Temperature	20N	23E	25			DA61BM	WA-41-4500
41	WEST CANAL	Temperature	20N	25E	06			DA61BM	WA-41-4000

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41	WINCHESTER WASTEWAY	pH	18N	27E	32			MP42OO	WA-41-1110
41	WINCHESTER WASTEWAY	Temperature	18N	27E	32			MP42OO	WA-41-1110
42	MAIN CANAL	Dissolved Oxygen	22N	28E	04			YT71YB	WA-42-2000
42	MAIN CANAL	Temperature	22N	28E	04			YT71YB	WA-42-2000
43	CRAB CREEK	pH	21N	35E	23			FU07MU	WA-43-4000
43	MEDICAL, WEST LAKE	Ammonia-N	24N	40E	13			630CWH	WA-43-9160
43	MEDICAL, WEST LAKE	Fecal Coliform	24N	40E	13			630CWH	WA-43-9160
44	COLUMBIA RIVER	Temperature	21N	22E	16			NN57SG	WA-CR-105
45	BRENDER CREEK	Dissolved Oxygen	23N	19E	05			FB41VG	WA-45-1100
45	BRENDER CREEK	Fecal Coliform	23N	19E	05			FB41VG	WA-45-1100
45	CHIWAUKUM CREEK	Temperature	25N	17E	09			HM20EV	WA-45-1900
45	CHUMSTICK CREEK	Dissolved Oxygen	24N	17E	01			TX45RJ	WA-45-1200
45	CHUMSTICK CREEK	Fecal Coliform	24N	17E	01			TX45RJ	WA-45-1200
45	CHUMSTICK CREEK	Instream Flow	26N	18E	30			TX45RJ	WA-45-1200
45	CHUMSTICK CREEK	pH	24N	17E	01			TX45RJ	WA-45-1200
45	COLUMBIA RIVER	Total Dissolved Gas	24N	20E	35			NN57SG	WA-CR-104
45	COLUMBIA RIVER	Water Column Bioassay	22N	20E	03			NN57SG	WA-CR-104
45	ICICLE CREEK	Dissolved Oxygen	24N	16E	24			KN36FW	WA-45-1017
45	ICICLE CREEK	Dissolved Oxygen	24N	17E	24			KN36FW	WA-45-1017
45	ICICLE CREEK	Instream Flow	24N	17E	13			KN36FW	WA-45-1015
45	ICICLE CREEK	pH	24N	16E	24			KN36FW	WA-45-1017
45	ICICLE CREEK	pH	24N	17E	24			KN36FW	WA-45-1017
45	ICICLE CREEK	Temperature	24N	17E	30			KN36FW	WA-45-1017
45	LITTLE WENATCHEE	Temperature	27N	16E	15			DS66LF	WA-45-4000
45	MISSION CREEK	4,4'-DDE	23N	19E	04			DQ04NW	WA-45-1011

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45	MISSION CREEK	4,4'-DDT	23N	19E	04			DQ04NW	WA-45-1011
45	MISSION CREEK	DDT	23N	19E	09			DQ04NW	WA-45-1011
45	MISSION CREEK	Fecal Coliform	23N	19E	05			FB41VG	WA-45-1011
45	MISSION CREEK	Fecal Coliform	23R	19E	20			DQ04NW	WA-45-1011
45	MISSION CREEK	Guthion(azinphos-methyl)	23N	19E	04			DQ04NW	WA-45-1011
45	MISSION CREEK	Instream Flow	23N	19E	08			DQ04NW	WA-45-1011
45	MISSION CREEK	Temperature	23N	19E	20			DQ04NW	WA-45-1012
45	NASON CREEK	Temperature	26N	17E	09			FZ91ME	WA-45-3000
45	NASON CREEK	Temperature	27N	17E	27			UO87HL	WA-45-3000
45	PESHASTIN CREEK	Instream Flow	24N	18E	21			OM13EX	WA-45-1013
45	PESHASTIN CREEK	Temperature	24N	18E	21			OM13EX	WA-45-1014
45	PESHASTIN CREEK	Temperature	24N	18E	32			OM13EX	WA-45-1013
45	WENATCHEE RIVER	Dissolved Oxygen	25N	17E	09			HM20EV	WA-45-1020
45	WENATCHEE RIVER	Instream Flow	24N	18E	17			HM20EV	WA-45-1010
45	WENATCHEE RIVER	Instream Flow	26N	17E	12			HM20EV	WA-45-1020
45	WENATCHEE RIVER	pH	23N	20E	28			HM20EV	WA-45-1010
45	WENATCHEE RIVER	Temperature	23N	20E	28			HM20EV	WA-45-1010
46	ENTIAT RIVER	Instream Flow	25N	21E	17			RX71CE	WA-46-1010
47	CHELAN LAKE	4,4'-DDE	27N	22E	13	47.875	120.165	292NWR	WA-47-9020
47	CHELAN LAKE	PCB-1254	27N	22E	13	47.875	120.165	292NWR	WA-47-9020
47	CHELAN LAKE	PCB-1260	27N	22E	13	47.875	120.165	292NWR	WA-47-9020
47	COLUMBIA RIVER	Temperature	28N	24E	06			NN57SG	WA-CR-105
47	COLUMBIA RIVER	Total Dissolved Gas	28N	24E	07			NN57SG	WA-CR-104
47	FIRST CREEK	Dissolved Oxygen	27N	21E	04			CH30BE	WA-47-1012
47	MITCHELL CREEK	pH	29N	21E	34			QF17YZ	WA-47-1014

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47	ROSES (ALKALI) LAKE	4,4'-DDE	28N	21E	26			370XQC	WA-47-9037
48	BEAVER CREEK	Instream Flow	33N	22E	27			EY94AH	WA-48-1021
48	CHEWACK RIVER	Instream Flow	35N	22E	35			BG74VW	WA-48-1052
48	EARLY WINTERS CREEK	Instream Flow	36N	19E	27			YI72PH	WA-48-1061
48	METHOW RIVER	Instream Flow	32N	22E	16			EO28MQ	WA-48-1010
48	METHOW RIVER	Instream Flow	34N	21E	11			EA28MQ	WA-48-1040
48	METHOW RIVER	Instream Flow	36N	19E	26			EO28MQ	WA-48-1050
48	METHOW RIVER	Instream Flow	36N	20E	31			EO28MQ	WA-48-1050
48	METHOW RIVER	Temperature	34N	21E	03			JS73QX	WA-48-1050
48	TWISP RIVER	Instream Flow	33N	21E	11			GC59OC	WA-48-1030
48	TWISP RIVER	Temperature	33N	22E	08			GC59OC	WA-48-1030
48	WOLF CREEK	Instream Flow	35N	21E	32			BB48IN	WA-48-1059
49	NINEMILE CREEK	DDT	40N	27E	15			IP09QF	WA-49-1049
49	OKANOGAN RIVER	4,4'-DDD	31N	25E	27			YN58LL	WA-49-1010
49	OKANOGAN RIVER	4,4'-DDE	31N	25E	27			YN58LL	WA-49-1010
49	OKANOGAN RIVER	Dissolved Oxygen	33N	26E	17			OX43MI	WA-49-1020
49	OKANOGAN RIVER	Fecal Coliform	33N	26E	17			YN58LL	WA-49-1010
49	OKANOGAN RIVER	Fecal Coliform	33N	26E	20			YN58LL	WA-49-1010
49	OKANOGAN RIVER	PCB-1254	31N	25E	27			YN58LL	WA-49-1010
49	OKANOGAN RIVER	PCB-1260	31N	25E	34			YN58LL	WA-49-1010
49	OKANOGAN RIVER	Temperature	32N	25E	09			YN58LL	WA-49-1020
49	OKANOGAN RIVER	Temperature	32N	25E	16			DT59MQ	WA-49-1010
49	OKANOGAN RIVER	Temperature	32N	25E	17			YN58LL	WA-49-1010
49	OKANOGAN RIVER	Temperature	33N	26E	17			OX43MI	WA-49-1020
49	OSOYOOS LAKE	4,4'-DDD	40N	27E	22			060VKD	WA-49-9260
49	OSOYOOS LAKE	4,4'-DDE	40N	27E	22			060VKD	WA-49-9260

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49	SALMON CREEK	Instream Flow	33N	26E	17			OX43MI	WA-49-1021
49	SIMILKAMEEN RIVER	Arsenic	40N	25E	13			ND93YI	WA-49-1030
49	SIMILKAMEEN RIVER	Arsenic	40N	27E	28			ND93YI	WA-49-1030
49	SIMILKAMEEN RIVER	Temperature	40N	27E	28			ND93YI	WA-49-1030
49	TALLANT CREEK	DDT	32N	25E	02			LD33FC	WA-49-1017
49	UNNAMED CREEK	DDT	33N	26E	03			KR66GR	WA-49-1022
50	COLUMBIA RIVER	Total Dissolved Gas	29N	25E	24			NN57SG	WA-CR-104
50	COLUMBIA RIVER	Total Dissolved Gas	29N	25E	24			NN57SG	WA-CR-105
52	GRANITE CREEK	Dissolved Oxygen	36N	33E	07			ZZ22OX	None67
52	O'BRIEN CREEK, S.F.	pH	36N	33E	26			KC65AZ	WA-52-2920
52	SANPOIL RIVER	Dissolved Oxygen	36N	33E	07			JM31YT	WA-52-1010
53	COLUMBIA RIVER	Total Dissolved Gas				48.025	118.955	NN57SG	WA-CR-105
53	COLUMBIA RIVER	Total Dissolved Gas				48.035	118.965	NN57SG	WA-CR-105
53	COLUMBIA RIVER	Total Dissolved Gas	28N	30E	01			NN57SG	WA-CR-105
53	FRANKLIN D. ROOSEVELT LAKE	Dissolved Oxygen	28N	33E	08			NN57SG	WA-CR-106
53	FRANKLIN D. ROOSEVELT LAKE	Sediment Bioassay				47.885	118.345	NN57SG	WA-CR-106
53	FRANKLIN D. ROOSEVELT LAKE	Sediment Bioassay				47.925	118.555	NN57SG	WA-CR-106
53	FRANKLIN D. ROOSEVELT LAKE	Sediment Bioassay				47.955	118.825	NN57SG	WA-CR-106
53	FRANKLIN D. ROOSEVELT LAKE	Sediment Bioassay	29N	30E	36			NN57SG	WA-CR-106
53	FRANKLIN D. ROOSEVELT LAKE	Temperature	28N	33E	08			NN57SG	WA-CR-106
54	CHAMOKANE CREEK	Temperature	27N	39E	02			MM18VW	WA-54-1015
54	LONG LAKE (RESERVOIR)	PCB-1242	27N	40E	22			QZ45UE	WA-54-9040

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54	LONG LAKE (RESERVOIR)	PCB-1248	26N	42E	05			QZ45UE	WA-54-9040
54	LONG LAKE (RESERVOIR)	PCB-1254	26N	42E	05			QZ45UE	WA-54-9040
54	LONG LAKE (RESERVOIR)	PCB-1254	27N	40E	22			QZ45UE	WA-54-9040
54	LONG LAKE (RESERVOIR)	PCB-1260	26N	42E	05			QZ45UE	WA-54-9040
54	LONG LAKE (RESERVOIR)	PCB-1260	27N	40E	22			QZ45UE	WA-54-9040
54	SPOKANE RIVER	Chromium	25N	42E	04			QZ45UE	WA-54-1020
54	SPOKANE RIVER	Lead	25N	42E	14			QZ45UE	WA-54-1020
54	SPOKANE RIVER	Lead	26N	42E	20			QZ45UE	WA-54-1020
54	SPOKANE RIVER	PCB-1242	26N	42E	07			QZ45UE	WA-54-1020
54	SPOKANE RIVER	PCB-1248	26N	42E	07			QZ45UE	WA-54-1020
54	SPOKANE RIVER	PCB-1248	28N	37E	33			QZ45UE	WA-54-1010
54	SPOKANE RIVER	PCB-1254	26N	42E	07			QZ45UE	WA-54-1020
54	SPOKANE RIVER	PCB-1254	28N	37E	33			QZ45UE	WA-54-1010
54	SPOKANE RIVER	PCB-1260	26N	42E	07			QZ45UE	WA-54-1020
54	SPOKANE RIVER	PCB-1260	28N	37E	33			QZ45UE	WA-54-1010
54	SPOKANE RIVER	pH	28N	36E	20			QZ45UE	WA-54-1010
54	SPOKANE RIVER	Sediment Bioassay	28N	37E	33			QZ45UE	WA-54-1010
54	SPOKANE RIVER	Temperature	28N	36E	20			QZ45UE	WA-54-1010
54	SPOKANE RIVER	Total Phosphorus	26N	42E	07			QZ45UE	WA-54-1020
54	SPOKANE RIVER	Zinc	25N	42E	14			QZ45UE	WA-54-1020
54	SPOKANE RIVER	Zinc	26N	42E	20			QZ45UE	WA-54-1020
54	SPOKANE RIVER	Zinc	26N	42E	33			QZ45UE	WA-54-1020
55	DEADMAN CREEK	pH	27N	43E	33			MY92TJ	WA-55-1011
55	DEADMAN CREEK	Temperature	27N	43E	33			MY92TJ	WA-55-1011
55	DRAGOON CREEK	Dissolved Oxygen	28N	42E	03			GL94EJ	WA-55-1012
55	DRAGOON CREEK	Dissolved Oxygen	29N	42E	08			GL94EJ	WA-55-1012

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55	DRAGOON CREEK	Dissolved Oxygen	30N	42E	18			ST18TI	WA-55-1012
55	DRAGOON CREEK	Fecal Coliform	29N	42E	08			GL94EJ	WA-55-1012
55	LITTLE SPOKANE RIVER	Fecal Coliform	26N	42E	11			JZ70CP	WA-55-1010
55	LITTLE SPOKANE RIVER	Fecal Coliform	27N	43E	32			JZ70CP	WA-55-1010
55	LITTLE SPOKANE RIVER	PCB-1248	26N	42E	04			JZ70CP	WA-55-1010
55	LITTLE SPOKANE RIVER	PCB-1254	26N	42E	04			JZ70CP	WA-55-1010
55	LITTLE SPOKANE RIVER	PCB-1260	26N	42E	04			JZ70CP	WA-55-1010
55	LITTLE SPOKANE RIVER	pH	27N	43E	32			JZ70CP	WA-55-1010
55	LITTLE SPOKANE RIVER	Temperature	27N	43E	32			JZ70CP	WA-55-1010
55	LITTLE SPOKANE RIVER	Temperature	27N	43E	33			JZ70CP	WA-55-1010
56	HANGMAN CREEK	Dissolved Oxygen	20N	45E	13			TD36NP	WA-56-1010
56	HANGMAN CREEK	Dissolved Oxygen	20N	45E	14			TD36NP	WA-56-1010
56	HANGMAN CREEK	Fecal Coliform	20N	45E	13			TD36NP	WA-56-1010
56	HANGMAN CREEK	pH	25N	42E	23			TD36NP	WA-56-1010
56	HANGMAN CREEK	Temperature	20N	45E	14			TD36NP	WA-56-1010
56	HANGMAN CREEK	Temperature	25N	42E	23			TD36NP	WA-56-1010
57	NEWMAN LAKE	Total Phosphorus	26N	45E	11			572HJX	WA-57-9020
57	SPOKANE RIVER	Arsenic	25N	46E	06			QZ45UE	WA-57-1010
57	SPOKANE RIVER	Cadmium	25N	46E	06			QZ45UE	WA-57-1010
57	SPOKANE RIVER	Dissolved Oxygen	25N	44E	06			QZ45UE	WA-57-1010
57	SPOKANE RIVER	Dissolved Oxygen	25N	46E	06			QZ45UE	WA-57-1010
57	SPOKANE RIVER	Lead	25N	46E	06			QZ45UE	WA-57-1010
57	SPOKANE RIVER	PCB-1242	25N	44E	04			QZ45UE	WA-57-1010
57	SPOKANE RIVER	PCB-1248	25N	43E	09			QZ45UE	WA-57-1010
57	SPOKANE RIVER	PCB-1248	25N	44E	05			QZ45UE	WA-57-1010
57	SPOKANE RIVER	PCB-1254	25N	43E	09			QZ45UE	WA-57-1010

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57	SPOKANE RIVER	PCB-1254	25N	44E	04			QZ45UE	WA-57-1010
57	SPOKANE RIVER	PCB-1254	25N	44E	05			QZ45UE	WA-57-1010
57	SPOKANE RIVER	PCB-1260	25N	43E	09			QZ45UE	WA-57-1010
57	SPOKANE RIVER	PCB-1260	25N	44E	04			QZ45UE	WA-57-1010
57	SPOKANE RIVER	PCB-1260	25N	44E	05			QZ45UE	WA-57-1010
57	SPOKANE RIVER	Sediment Bioassay	25N	43E	01			QZ45UE	WA-57-1010
57	SPOKANE RIVER	Zinc	25N	44E	03			QZ45UE	WA-57-1010
57	SPOKANE RIVER	Zinc	25N	46E	06			QZ45UE	WA-57-1010
58	FRANKLIN D. ROOSEVELT LAKE	Mercury				48.565	118.125	NN57SG	WA-CR-106
58	FRANKLIN D. ROOSEVELT LAKE	Sediment Bioassay				47.915	118.345	NN57SG	WA-CR-106
58	FRANKLIN D. ROOSEVELT LAKE	Sediment Bioassay				47.965	118.345	NN57SG	WA-CR-106
58	SHERMAN CREEK	Temperature	36N	36E	36			ZX69DW	WA-58-2000
58	SHERMAN CREEK	Temperature	36N	37E	27			ZX69DW	WA-58-2000
58	SHERMAN CREEK, S.F.	Temperature	36N	36E	32			ZZ61AF	WA-58-2500
59	BLUE CREEK	Dissolved Oxygen	33N	40E	31			UR95XB	WA-59-5000
59	BLUE CREEK	Fecal Coliform	33N	40E	31			UR95XB	WA-59-5000
59	CHEWELAH CREEK	Fecal Coliform	32N	40E	14			QM52AR	WA-59-6000
59	CHEWELAH CREEK	Fecal Coliform	32N	40E	23			QM52AR	WA-59-6000
59	CHEWELAH CREEK, S.F.	Dissolved Oxygen	33N	41E	23			FU01VK	WA-59-6010
59	CHEWELAH CREEK, S.F.	Fecal Coliform	33N	41E	23			FU01VK	WA-59-6010
59	CHEWELAH CREEK, S.F.	pH	33N	41E	23			FU01VK	WA-59-6010
59	CHEWELAH CREEK, S.F.	Temperature	33N	41E	23			FU01VK	WA-59-6010
59	COLVILLE RIVER	Ammonia-N	35N	39E	17			DH01PX	WA-59-1010
59	COLVILLE RIVER	Chlorine	35N	39E	17			DH01PX	WA-59-1010

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59	COLVILLE RIVER	Dissolved Oxygen	33N	40E	31			DH01PX	WA-59-1010
59	COLVILLE RIVER	Dissolved Oxygen	35N	39E	08			DH01PX	WA-59-1010
59	COLVILLE RIVER	Dissolved Oxygen	35N	39E	17			DH01RX	WA-59-1010
59	COLVILLE RIVER	Dissolved Oxygen	36N	38E	26			DH01PX	WA-59-1010
59	COLVILLE RIVER	Dissolved Oxygen	36N	38E	27			DH01PX	WA-59-1010
59	COLVILLE RIVER	Dissolved Oxygen	36N	38E	29			DH01PX	WA-59-1010
59	COLVILLE RIVER	Dissolved Oxygen	36N	38E	30			DH01PX	WA-59-1010
59	COLVILLE RIVER	Dissolved Oxygen	36N	38E	36			DH01PX	WA-59-1010
59	COLVILLE RIVER	Dissolved Oxygen	36N	39E	31			DH01PX	WA-59-1010
59	COLVILLE RIVER	Fecal Coliform	31N	40E	23			DH01PX	WA-59-1010
59	COLVILLE RIVER	Fecal Coliform	31N	40E	26			DH01PX	WA-59-1010
59	COLVILLE RIVER	Fecal Coliform	32N	40E	15			DH01PX	WA-59-1010
59	COLVILLE RIVER	Fecal Coliform	33N	40E	31			DH01PX	WA-59-1010
59	COLVILLE RIVER	Fecal Coliform	35N	39E	08			DH01PX	WA-59-1010
59	COLVILLE RIVER	Fecal Coliform	35N	39E	21			DH01PX	WA-59-1010
59	COLVILLE RIVER	Fecal Coliform	36N	38E	30			DH01PX	WA-59-1010
59	COLVILLE RIVER	Fecal Coliform	36N	38E	36			DH01PX	WA-59-1010
59	COLVILLE RIVER	pH	32N	40E	09			DH01PX	WA-59-1010
59	COLVILLE RIVER	pH	32N	40E	15			DH01PX	WA-59-1010
59	COLVILLE RIVER	pH	32N	40E	22			DH01PX	WA-59-1010
59	COLVILLE RIVER	pH	35N	39EE	08			DH01PX	WA-59-1010
59	COLVILLE RIVER	pH	36N	38E	30			DH01PX	WA-59-1010
59	COLVILLE RIVER	pH	36N	39E	31			DH01PX	WA-59-1010
59	COLVILLE RIVER	Temperature	36N	38E	29			DH01PX	WA-59-1010
59	COLVILLE RIVER	Temperature	36N	38E	30			DH01PX	WA-59-1010
59	COTTONWOOD CREEK	Fecal Coliform	32N	40E	36			GT96PS	WA-59-6100

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59	COTTONWOOD CREEK	Fecal Coliform	32N	41E	36			GT96PS	WA-59-6110
59	COTTONWOOD CREEK	Temperature	32N	40E	36			GT96PS	WA-59-6100
59	HALLER CREEK	Fecal Coliform	34N	39E	04			GQ24CK	WA-59-2950
59	HUCKELBERRY CREEK	Fecal Coliform	31N	40E	10			GC63AN	None72
59	JUMP OFF JOE CREEK	Fecal Coliform	31N	40E	26			KR71AJ	WA-59-2810
59	LITTLE PEND ORIELLE	Fecal Coliform	34N	39E	10			YA89GE	WA-59-3000
59	MILL CREEK	Fecal Coliform	36N	39E	31			NO98KK	WA-59-2000
59	MILL CREEK	pH	36N	39E	31			NO98KK	WA-59-2000
59	SHEEP CREEK	Dissolved Oxygen	30N	40E	09			UD18TQ	WA-59-7000
59	SHEEP CREEK	Fecal Coliform	30N	40E	09			UD18TQ	WA-59-7000
59	SHEEP CREEK	Fecal Coliform	30N	40E	16			UD18TQ	WA-59-7000
59	SHERWOOD CREEK	Fecal Coliform	32N	40E	25			KH80UT	WA-59-6090
59	STARVATION LAKE	Total Phosphorus	35N	40E	36			036OYS	WA-59-9180
59	STENSGAR CREEK	Dissolved Oxygen	33N	39E	24			QE64YM	WA-59-4000
59	STENSGAR CREEK	Fecal Coliform	33N	39E	24			QE64YM	WA-59-4000
59	STENSGAR CREEK	Temperature	33N	39E	24			QE64YM	WA-59-4000
59	STRANGER CREEK	Fecal Coliform	33N	39E	11			XA81YE	WA-59-3900
60	COTTONWOOD CREEK	Fecal Coliform	40N	33E	33			SV51QB	WA-60-6400
60	LAMBERT CREEK	Fecal Coliform	37N	33E	01			FJ42JJ	WA-60-2100
60	LONE RANCH CREEK	Fecal Coliform	40N	34E	23			IK82JJ	WA-60-6000
60	LONE RANCH CREEK	Fecal Coliform	40N	34E	23			ZY38QL	WA-60-6000
60	MARTIN CREEK	Fecal Coliform	39N	36E	15			VO98QQ	WA-60-1015
60	PIERRE CREEK	pH	40N	37E	32			EH27CN	WA-60-3250
60	ST. PETER CREEK	Fecal Coliform	38N	33E	24			SH98QR	WA-60-2050
60	ST. PETER CREEK	Fecal Coliform	38N	34E	30			SH98QR	WA-60-2050
60	TROUT CREEK, N.F.	Fecal Coliform	38N	32E	15			BE85IS	WA-60-2250

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
61	CROWN CREEK	Fecal Coliform	39N	38E	02			NZ68WD	WA-61-5100
61	DEEP CREEK	pH	40N	40E	33			NN57SG	WA-61-7000
61	DEEP CREEK, S.F.	Temperature	38N	41E	29			CB96ZS	WA-61-7100
61	FLAT CREEK	Fecal Coliform	39N	38E	09			VO11DV	WA-61-5000
61	FRANKLIN D. ROOSEVELT LAKE	Arsenic	40N	40E	31			NN57SG	WA-CR-106
61	FRANKLIN D. ROOSEVELT LAKE	Dissolved Oxygen				48.915	117.785	NN57SG	WA-CR-106
61	FRANKLIN D. ROOSEVELT LAKE	Sediment Bioassay				48.675	118.065	NN57SG	WA-CR-106
61	FRANKLIN D. ROOSEVELT LAKE	Sediment Bioassay				48.935	117.735	NN57SG	WA-CR-106
61	FRANKLIN D. ROOSEVELT LAKE	Sediment Bioassay				48.945	117.735	NN57SG	WA-CR-106
61	FRANKLIN D. ROOSEVELT LAKE	Sediment Bioassay				48.975	117.655	39KRD	WA-CR-106
61	FRANKLIN D. ROOSEVELT LAKE	Sediment Bioassay				48.985	117.635	NN57SG	WA-CR-106
61	FRANKLIN D. ROOSEVELT LAKE	Temperature				48.915	117.785	NN57SG	WA-CR-106
61	FRANKLIN D. ROOSEVELT LAKE	Temperature	40N	40E	31			NN57SG	WA-CR-106
61	FRANKLIN D. ROOSEVELT LAKE	Total Dissolved Gas				48.985	117.635	NN57SG	WA-CR-106
61	FRANKLIN D. ROOSEVELT LAKE	Total Dissolved Gas				48.995	119.635	NN57SG	WA-CR-106
61	MEADOW CREEK	Fecal Coliform	38N	41E	33			XH79GB	WA-61-7250
61	SMACKOUT CREEK	Fecal Coliform	38N	41E	03			CZ33CZ	WA-61-7200
61	SMACKOUT CREEK	Fecal Coliform	38N	41E	11			CZ33CZ	WA-61-7200

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WRIA	Waterbody Name	Parameter	Township	Range	Section	Latitude	Longitude	New ID #	Old ID#
61	SMACKOUT CREEK	pH	38N	41E	03			CZ33CZ	WA-61-7200
62	CEDAR (IONE) CREEK	Temperature	38N	42E	36			AS86PH	WA-62-3310
62	LOST CREEK	Temperature	36N	43E	17			EK49EK	WA-62-1960
62	PEND OREILLE RIVER	Exotic Aquatic	33N	44E	07			DS54SI	WA-62-1020
62	PEND OREILLE RIVER	pH	33N	44E	32			DS54SI	WA-62-1020
62	PEND OREILLE RIVER	pH	34N	43E	12			DS54SI	WA-62-1020
62	PEND OREILLE RIVER	pH	36N	43E	10			DS54SI	WA-62-1020
62	PEND OREILLE RIVER	pH	37N	43E	05			DS54SI	WA-62-1020
62	PEND OREILLE RIVER	pH	39N	43E	21			DS54SI	WA-62-1010
62	PEND OREILLE RIVER	Temperature	31N	46E	07			DS54SI	WA-62-1020
62	PEND OREILLE RIVER	Temperature	33N	44E	32			DS54SI	WA-62-1020
62	PEND OREILLE RIVER	Temperature	34N	43E	12			DS54SI	WA-62-1020
62	PEND OREILLE RIVER	Temperature	36N	43E	10			DS54SI	WA-62-1020
62	PEND OREILLE RIVER	Temperature	37N	43E	05			DS54SI	WA-62-1020
62	PEND OREILLE RIVER	Temperature	40N	41E	02			QO66SN	WA-62-1020
62	SKOOKUM CREEK	Fecal Coliform	32N	44E	03			PT25LK	WA-62-3000
62	SKOOKUM CREEK	Fecal Coliform	33N	44E	33			PT25LK	WA-62-3000

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Appendix B: Clean Water Act, Section 303(d) Glossary of Parameters

Glossary of Parameters

The following glossary of parameters, while not intended to be comprehensive, was designed to provide an overview of causes of use impairment.

Ammonia-N
Ammonia-N is a reduced form of Nitrogen that is toxic to aquatic life at higher concentrations. It is typically found in waters that are contaminated with human or animal waste. It can also contribute to depletion of dissolved oxygen in surface waters.

Bis(2-ethylhexyl)Phthalate
See Phthalates

Dioxin
Dioxin is a waste product of the pulp and paper industry that is known to be toxic to living organisms.

Dissolved Oxygen (DO)
DO is oxygen that is freely available in water. Adequate DO is necessary for the life of fish and other aquatic organisms.

Fecal Coliform
Organisms common to the intestinal tract of man and of animals. Pathogen indicators, including such bacteria as fecal coliform, and e coli, can affect drinking water use, curtail shellfish harvesting, and restrict recreational use.

Fine Sediment
Sediment is usually fine particles of soil that is carried in suspension by flowing water and ultimately settles to the bottom. Sediment is usually caused by erosion and can impair fish spawning areas.

4-methylphenol or Cresol
Cresol is a compound that was used to preserve wood and wood treatment facilities and is highly toxic to living organisms.

Instream Flow
Instream Flow is the amount of water in a stream required to support or protect existing uses of fish and fish habitat.

Metals
Metals can cause human health concerns when contaminated water and/or contaminated aquatic organisms are ingested. They can accumulate in the environment, are highly toxic if breathed or swallowed and can damage living things at low concentrations.

Organics
Organics is a collective term for any number of carbon-based substances that are toxic to aquatic life or can accumulate in fish tissue to levels that are unsafe for human consumption.

Glossary of Parameters

PAHs
Polynuclear Aromatic Hydrocarbons (also known as PNAs) are a class of complex organic compounds, having more that one benzene ring, some of which are persistent and cancer-causing. These compounds are formed from the combustion of organic material and are everywhere in the environment. PAHs are commonly formed by the combustion of gasoline and by forest fires. They often reach the environment through atmospheric fallout and highway runoff

PCBs
Polychlorinated Biphenyls include about 70 different, but closely related, man-made compounds made of carbon, hydrogen, and chlorine. They persist in the environment and can accumulate in food chains because they are not water-soluble. PCBs are organic toxicants suspected of causing cancer in humans and used to be found in electrical transformers.

Pentachlorophenol
Pentachlorophenol is a compound that was used to preserve wood and wood treatment facilities. Its use was banned due to its highly toxic effects on living organisms.

Pesticides
Pesticides are agents (usually chemicals) that are used to destroy pests (insects). Pesticides that are present in surface waters as a result of direct application, runoff, or manufacturing discharge may have adverse effects on water quality. Careless use of pesticides may result in fish kills. DDT was the first of the modern chlorinated hydrocarbons used as an insecticide. It has a half-life of 15 years and its residues can become concentrated in the fatty tissues of certain organisms, including man and animals. It was found to be cancer-causing and banned for use in the U.S. in 1972.

Petroleum Hydrocarbons
Petroleum Hydrocarbons is a collective term for motor vehicle fuels, lubricating oils and greases, tars, and asphalt's (defined in the State Water Quality Standards as oil and grease). The sources of petroleum hydrocarbons in urban runoff include partially burned fuels in motor vehicle exhausts, general leakage from motor vehicle engines and drive lines, improper disposal of waste crankcase oil in gutters and storms drains, and accidental spillage.

pH
pH is a measure of the intensity of the acidic or basic character of water. pH is an important factor in the chemical and biological system of water. If these systems are unbalanced and the pH is high or low, it can kill fish and other organisms.

Phthalates
Phthalates are a waste product of the plastics industry. They can accumulate in fish tissue to levels that are unsafe for human consumption.

Glossary of Parameters

Sediment Bioassay
A test procedure that measures the effects of sediment on living plants or animals.

Temperature
Elevated water body temperatures can destroy fish resources by reducing dissolved oxygen in the water.

Total Dissolved Gas
Total Dissolved Gas is formed when water spills over a dam and plunges deep into a pool on the other side, taking a lot of air with it. This air dissolves into the water and forms high concentrations of total dissolved gas. Fish in the water can get gas bubbles in their tissue and blood vessels. This has the same effect on fish as when a diver gets the bends. The result can cause illness or death in fish.

Total Nitrogen
Total Nitrogen is the amount of nitrogen in the water that is available for plant growth or exceeds the necessary amount.

Total Phosphorus
Total Phosphorus as a phosphate is a major source of nutrients for plant life. Too much phosphorus in the water increases algae growth. Increased plant growth uses up available oxygen in the water. A plentiful oxygen supply is necessary for the survival of fish and other inhabitants of fresh and marine waters. Phosphates can come from human and animal wastes, detergent, industrial processing, some vegetation, and even from fallout from the atmosphere.

Turbidity
Turbidity is suspended sediment that clouds the water. Too much turbidity blocks sunlight that aquatic life needs and clogs industrial filters which can be disastrous for sensitive processes. And of course, no one wants to drink cloudy water!

Water Column Bioassay
This is a test procedure that measures the effects of ambient water on living plants or animals.