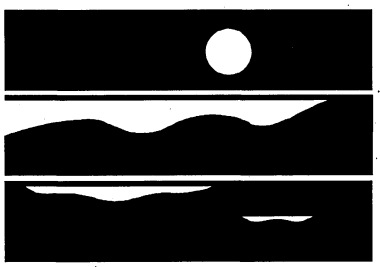

WASHINGTON STATE
DEPARTMENT OF
ECOLOGY

River and Stream Ambient Monitoring Report for Wateryear 1994

September 1995

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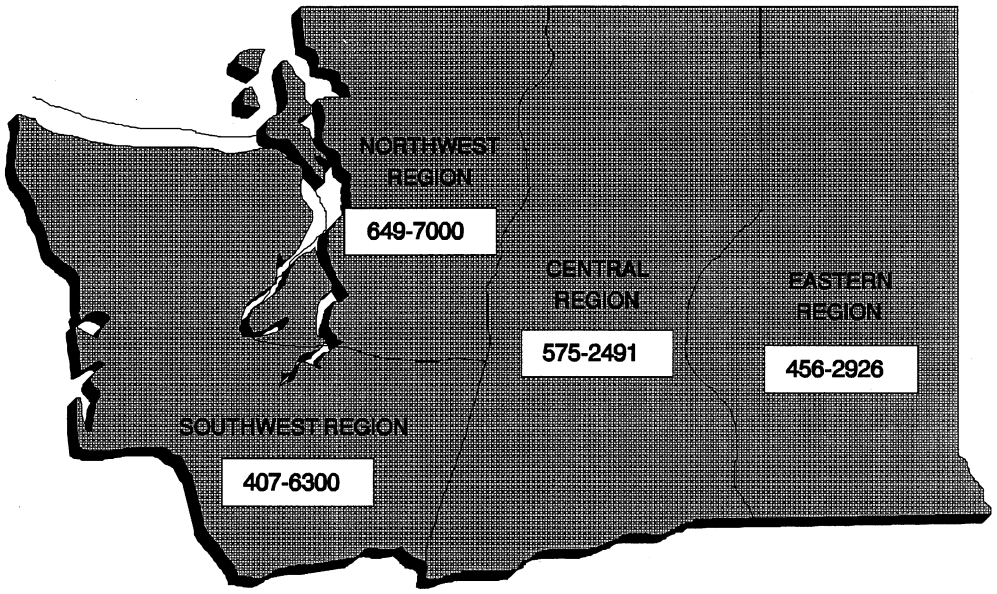

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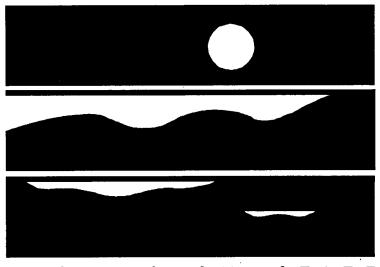

River and Stream Ambient Monitoring Report for Wateryear 1994

by
Dave Hallock and
William Ehinger

Environmental Investigations
and Laboratory Services Program
Olympia, Washington 98504-7710

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Table of Contents

List of Tables

List of Figures

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Abstract

The Washington State Department of Ecology collected monthly water quality information at 79 river and stream monitoring stations during Wateryear (WY) 1994 (October 1, 1993 through September 30, 1994). The primary goals of this ongoing monitoring program are to characterize the rivers and streams of Washington State and to track changes in water quality. Water quality for WY 1994 was average relative to previous years with about an average number of exceedences of Washington's water quality criteria. The fecal coliform bacteria geometric mean was the most frequently violated criteria based on individual samples. Excluding floating stations, 103 samples exceeded the geometric mean criteria, and 51 samples exceeded the "10 percent not to exceed" criteria out of nearly 800 samples collected; 32 of 66 stations had at least one sample that exceeded the geometric mean criteria. Twenty-one of the 32 stations were west of the Cascades and 18 were stations on streams that drain to Puget Sound. Temperature standards were violated 70 times at 37 stations on both sides of the Cascades. Dissolved oxygen and pH standards were violated 38 and 30 times, respectively, both at 14 stations. With a few exceptions, median monthly stream flows in WY 1994 at the time of sampling were below or near normal.

Introduction

The Washington State Department of Ecology (Ecology) has operated a long-term Ambient Water Quality Monitoring Program since 1970. The program consists of monthly water quality monitoring for conventional parameters at 79 stations on rivers and streams within Washington State. The primary goals of this program are to characterize stream water quality and to evaluate spatial and temporal changes in water quality (trends). Within Ecology, the data generated by the River and Stream Ambient Monitoring Program are used to determine if designated uses are supported (e.g., Ecology, 1992), to support wasteload allocation models, to develop water quality based permits, to prepare 305(b) and other management reports, and to provide water quality information necessary for Centennial Clean Water Fund and other grant awards.

This purpose of this report is to

- describe the Wateryear (WY) 1994 monitoring program,
- provide a brief overview of water quality in Washington State in WY 1994,
- discuss data quality, and
- present results.

More detailed analyses and interpretations of ambient monitoring data are reported elsewhere. Ambient Monitoring Section (AMS) analyzes results at specific stations in response to requests by clients. These analyses are typically reported as technical memoranda (e.g., Hallock, 1991). Some analyses are conducted by other programs, for example, Ecology's Water Quality Program applies its own data reduction procedures prior to developing the biannual 305(b) report. Finally, the AMS analyzes data from four hydrologic basins annually in accordance with the basin approach to water quality management (Wrye, 1993).

The basin approach consists of a five-year cycle of scoping, data collection, data analysis, planning, and implementation of plans in 20 hydrologic basins statewide. In any given year, each of the above activities will be underway in four basins, one in each Ecology region. Data analysis reports for the following basins were produced in WY 1994:

- mid-Columbia (WRIA 41) (Hallock, in prep.), and
- upper Yakima (WRIA 38-39) (Ehinger, 1994).

Basins scheduled for data analysis in 1995 are the Spokane, lower Yakima, Cedar/Green, and eastern Olympics. Basins with focused data collection (monitoring) efforts in 1995 are the Upper Columbia/Pend Oreille, Horseheaven/Klickitat, Skagit/Stillaguamish, and the Columbia Gorge.

Methods

Sampling Network

The ambient monitoring network in WY 1994 consisted of monthly water collection at three types of stations: (1) core/benchmark, (2) rotating, and (3) floating. Core and benchmark stations are monitored every year to track water quality changes over time (trends) and to assess inter-annual variability, as well as to collect current water quality information. Core stations are located near the mouths of major rivers, and below major population centers. Benchmark stations are located upstream from most anthropogenic sources of water quality problems and where major streams enter the state and are intended to monitor background conditions. Rotating stations are monitored for one year in a three-year cycle to collect current water quality information, particularly in support of Ecology's waste discharge permitting process and allow expanded coverage over an all-core network. Floating stations are established to address site-specific water quality concerns and are monitored for one year only. Because floating stations usually target known problems and do not necessarily reflect *ambient* conditions, results from these stations are generally not included in the Results and Discussion section of this report. However, the raw data from floating stations are included in the appendices.

The specific locations for ambient stations monitored during WY 1994 are presented in Figure 1 and Table 1. Appendix A lists current and historical monitoring locations and the years they were monitored by Ecology and its predecessor agencies. Historical data for these stations are available from Ecology's Ambient Monitoring Section on request.

Sample Collection and Analysis

The majority of the water samples were collected as single surface grab samples from highway bridges using a stainless steel sampler similar to the dissolved oxygen (DO) sampler design presented in Figure 4500-O:1 of the 18th Edition of Standard Methods (APHA, 1992). Water samples for fecal coliform bacteria, total suspended solids (TSS), and metals analyses were collected as discrete samples directly in the sample containers. Samples for fecal coliform bacteria and metals determination were collected in a flow orienting sampler specifically designed to hold the sample bottle. The TSS bottle was attached as a passenger to the DO sampler. All water samples were collected approximately 15 cm below the water surface. Twelve water quality constituents were monitored at all stations monthly in WY 1994 and several metals and hardness were monitored bi-monthly at eight stations beginning in May (Table 2). Metals monitoring procedures are described in detail in Hopkins (1994).

Concurrent with collection of water samples, on-site measurements were taken for barometric pressure, time of day, *in-situ* temperature, pH, conductivity, and, if required, stage height (for flow determination by USGS).

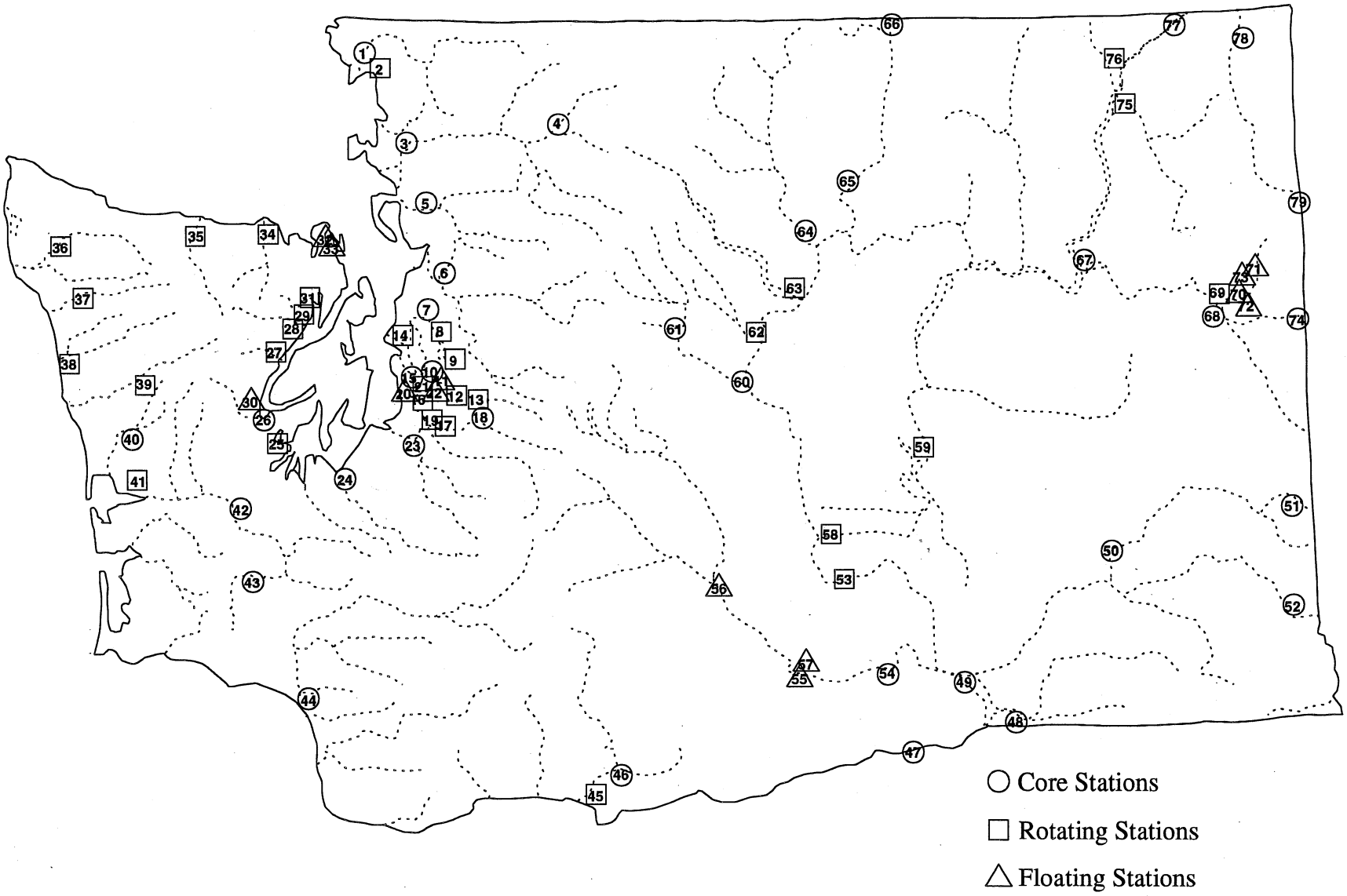


Figure 1. Ecology's river and stream ambient monitoring stations for Wateryear 1994.

Table 1. Ecology's river and stream ambient monitoring stations for Wateryear 1994.

Map	Station	Station Name	Map	Station	Station Name
1	01A050	Nooksack R @ Brennan	41	22B070	WF Hoquiam R nr Hoquiam
2	01E050	Whatcom Cr @ Bellingham	42	23A070	Chehalis R @ Porter
3	03A060	Skagit R nr Mount Vernon	43	23A160	Chehalis R @ Dryad
4	04A100	Skagit R @ Marblemount	44	26B070	Cowlitz R @ Kelso
5	05A070	Stillaguamish R nr Silvana	45	30B070	Klickitat R nr Pitt (USGS)
6	07A090	Snohomish R @ Snohomish	46	30C070	Little Klickitat nr Wahkiacus
7	08B070	Sammamish R @ Bothell	47	31A070	Columbia R @ Umatilla
8	08B110	Sammamish R @ Redmond	48	32A070	Walla Walla R nr Touchet
9	08B130	Issaquah Cr nr Issaquah	49	33A050	Snake R nr Pasco
10	08C070	Cedar R @ Logan St/Renton	50	34A070	Palouse R @ Hooper
11	08C080	Cedar R @ Maplewood	51	34A170	Palouse R @ Palouse
12	08C090	Cedar R @ Maple Valley	52	35A150	Snake R @ Interstate Br
13	08C110	Cedar R nr Landsburg	53	36A070	Columbia R nr Vernita
14	08K090	Ship Canal @ Freemont	54	37A090	Yakima R @ Kiona
15	09A080	Green R @ Tukwila	55	37A130	Yakima R @ Mabton
16	09A090	Green R @ 212th St nr Kent	56	37A210	Yakima R nr Terrace Height
17	09A130	Green Abv Big Soos/Auburn	57	37F070	Sulfer Ck Wasteway @ McGee Rd
18	09A190	Green R @ Kanaskat	58	41A070	Crab Cr nr Beverly
19	09B090	Big Soos Cr nr Auburn	59	41A110	Crab Cr nr Moses Lake
20	09C070	Des Moines Cr nr Mouth	60	45A070	Wenatchee R @ Wenatchee
21	09E070	Mill Cr @ Orillia	61	45A110	Wenatchee R nr Leavenworth
22	09H090	Black R @ Renton	62	46A070	Entiat R nr Entiat
23	10A070	Puyallup R @ Meridian St	63	47A070	Chelan R @ Chelan
24	11A070	Nisqually R @ Nisqually	64	48A070	Methow R nr Pateros
25	14A060	Goldsborough Cr @ Shelton	65	49A070	Okanogan R @ Malott
26	16A070	Skokomish R nr Potlatch	66	49B070	Similkameen R @ Oroville
27	16B110	Hamma Hamma R nr Eldon	67	54A050	Spokane R @ Mouth
28	16C090	Duckabush R nr Brinnon	68	54A120	Spokane R @ Riverside State Pk
29	16D070	Dosewallips R @ Brinnon	69	55B070	Little Spokane R nr Mouth
30	16E070	Finch Cr @ Hoodsport	70	55B100	Little Spokane R abv Deadman Cr
31	17A070	Big Quilcene R nr Quilcene	71	55B200	Little Spokane @ Chattaroy
32	17B070	Chimacum Cr nr Irondale	72	55C065	Deadman Cr nr Mouth
33	17B100	Chimacum Cr @ Chimacum	73	55E070	Dragoon Cr nr Chattaroy
34	18A070	Dungeness R nr Sequim	74	57A150	Spokane R @ Stateline Br
35	18B070	Elwha R nr Port Angeles	75	59A070	Colville R @ Kettle Falls
36	20A090	Soleduck R nr Forks	76	60A070	Kettle R nr Barstow
37	20B070	Hoh R @ DNR Campground	77	61A070	Columbia R @ Northport (USGS)
38	21A070	Queets R @ Queets	78	62A090	Pend Oreille @ Metaline Falls
39	21B090	Quinault R @ Lake Quinault	79	62A150	Pend Oreille R @ Newport
40	22A070	Humptulips R nr Humptulips			

Table 2. Water quality constituents monitored monthly in Wateryear 1994 as part of Ecology's River and Stream Ambient Monitoring Program.

Standard constituents monitored at all stations:

Conductivity	Total Suspended Solids	Total Phosphorus
Dissolved Oxygen	Turbidity	Ammonia
pH	Fecal Coliform Bacteria	Nitrate + Nitrite
Temperature	Soluble reactive phosphorus	Total Nitrogen

Parameters monitored bi-monthly at specific stations: (All metals were analyzed as "dissolved" except mercury, which was analyzed as "total" and arsenic and chromium which were analyzed as "total recoverable.")

Parameters	Stations	
Total Hardness	03A060	Skagit R nr Mount Vernon
Arsenic	04A100	Skagit R at Marblemount
Cadmium [a]	05A070	Stillaguamish R nr Silvana
Chromium	10A070	Puyallup R at Meridian St
Copper [a]	26B070	Cowlitz R at Kelso
Lead [a]	31A070	Columbia R at Umatilla
Mercury	57A150	Spokane R at State Line Br
Nickel	61A070[a]	Columbia River at Northport
Zinc [a]		

[a]Total Recoverable Cadmium, Copper, Lead, and Zinc were also measured monthly at the Columbia River at Northport.

All water samples collected in WY 1994 were submitted to Ecology's Manchester Environmental Laboratory (MEL) for analysis. Laboratory methods, detection limits, holding times, and other information for each of the above parameters is presented in Table 3. Specific details on methods are available from the references cited in Table 3 and in MEL's Laboratory User's Manual (Ecology, 1994).

Data Management

Data generated by the River and Stream Ambient Monitoring Program were entered into two independent computer systems by monitoring staff and laboratory personnel. Monitoring staff entered field data (temperature, dissolved oxygen, barometric pressure, pH, conductivity, and discharge) directly into the ambient monitoring database and verified the data manually for transcription errors. Laboratory data were entered into the laboratory computer and verified by double entry by laboratory personnel for transcription errors. Laboratory data were then downloaded via modem and combined electronically with field data in the ambient monitoring database management system. All laboratory data were screened through a series of quality control (QC) filters (see the Quality Assurance section). Data exceeding QC standards were evaluated manually. Data of acceptable quality were uploaded to PCSTORET (a micro-computer analog to STORET) and EPA's STORET database.

Quality Assurance

Manchester Laboratory's Quality Assurance (QA) Program includes the use of quality control charts, check standards, in-house matrix spikes and laboratory blanks, along with quarterly performance evaluation samples. For a more complete discussion of laboratory quality assurance, see Manchester's Quality Assurance Manual (Ecology, 1988) and Laboratory User's Manual (Ecology, 1994).

The quality assurance (QA) program for field sampling consisted of three parts: (1) adherence to a procedures manual for sample/data collection and periodic evaluation of sampling personnel, (2) instrument calibration methods and schedules, and (3) the collection of a field quality control (QC) sample each day of the sampling run. Our QA program is described in detail in Ehinger (1995).

Three types of additional water collections were made in order to document data quality and to isolate sources of variability (error) in the data. These were:

- Duplicate Field Samples - These consisted of an additional sample collection made approximately 15-20 minutes after the initial collection at a station. These samples represent the variability due to short-term, temporal, in-stream processes, sample collection and processing, and laboratory analysis.

Table 3. Analytical procedures used in WY 1994 in Ecology's River and Stream Ambient Monitoring Program. (NA = Not applicable)

Parameter	Storet Parameter Code	Volume Req'd	Field Prepare/ Preserve[a]	Analytical Method	Limit of Detection	Holding Time
Conductivity	95	NA	NA	SM 2510-B	NA (µmhos)	NA
Dissolved Oxygen	300	NA	NA	SMb 4500-OC	0 mg/L	72 hours
pH	400	NA	NA	SM 4500-H	NA (Std Units)	NA
Temperature	10	NA	NA	Thermistor	NA (°C)	NA
Total Suspended Solids	530	1000 mL		SM 2540D,E	1 mg/L	7 days
Turbidity	82079	500 mL		SM 2130	0.5 NTU	48 hours
Fecal Coliform Bacteria	31616	250 mL		SM 9222D	1 colony/ 100 mL	30 hours
Soluble Reactive Phosphorus	671	125 mL	Filter	SM 4500-PF	10 µg/L	48 hours
Total Phosphorus	665	125 mL to pH<2	H2SO4	SM 4500-PF	10 µg/L	28 days
Ammonia Nitrogen	610	125 mL to pH<2	H2SO4	SM 4500D	10 µg/L	28 days
Nitrate + Nitrite Nitrogen	630	125 mL	H2SO4 to pH<2	SM 4500F	10 µg/L	28 days

Table 3. Continued

Parameter	Storet Parameter Code	Volume Req'd	Field Prepare/ Preserve[a]	Analytical Method	Limit of Detection[d]	Holding Time
Total Nitrogen	600	125 mL	H2SO4 to pH<2	Valderrama 1981	25 µg/L	28 days
Total Hardness	900	100 mL	HNO_3 to pH<2	SM 2340C	1 mg/L	6 months
Arsenic (total recoverable - ICP)	978	1 L	HNO_3 to pH<2	EPA[c] 200.7	30 µg/L	6 months
Cadmium (total recoverable - ICP)	1113	1 L	HNO_3 to pH<2	EPA 200.7	3 µg/L	6 months
Cadmium (dissolved - ICP/MS)	1025	1 L	HNO_3 to pH<2	EPA 200.8	0.04 µg/L	6 months
Chromium (total recoverable - ICP)	1118	1 L	HNO_3 to pH<2	EPA 200.7	5 µg/L	6 months
Copper (total recoverable - ICP)	1119	1 L	HNO_3 to pH<2	EPA 200.7	3 µg/L	6 months
Copper (dissolved - ICP/MS)	1040	1 L	HNO_3 to pH<2	EPA 200.8	0.05 µg/L	6 months

Table 3. Continued

Parameter	Storet Parameter Code	Volume Req'd	Field Prepare/ Preserve[a]	Analytical Method	Limit of Detection[d]	Holding Time
Lead (total recoverable - ICP)	1114	1 L	HNO_3 to pH<2	EPA 200.7	20 µg/L	6 months
Lead (dissolved - ICP/MS)	1049	1 L	HNO_3	EPA 200.8	0.02 µg/L	6 months
			to pH<2			
Mercury (total - Cold Vapor AF)	71900	1 L	HNO_3 to pH<2	EPA 245.7	0.001 µg/L	28 days
Nickel (dissolved - ICP/MS)	1065	1 L	HNO_3 to pH<2	EPA 200.8	1.0 µg/L	6 months
Zinc (dissolved - ICP/MS)	1090	1 L	HNO_3	EPA 200.8	1.0 µg/L	6 months
			to pH<2			

[a] All lab samples are kept on ice or stored at 4°C prior to analysis
[b] Standard Methods (APHA, 1992).
[c] EPA, 1983.
[d] Detection limits for metals vary. Values shown are approximate.

- Field Blank - These consisted of the blind submission and analysis of deionized water. The expected values for all analyses is the reporting limit for that analysis. Significantly higher results would indicate that sample contamination had occurred during field processing or during laboratory analysis.

- Field Split - These consisted of one sample split into two containers which are processed as individual samples. This eliminates the in-stream variability and isolates the variability due to field processing and laboratory analysis.

QC samples were submitted semi-blind to the laboratory (they were identified as QC samples, but sample type (duplicate, blank, or split) and station were not identified).

One hundred forty-four QA/QC samples were processed; 129 replicated field samples, six simultaneously collected samples, and nine blanks. The primary objective of the QA/QC sampling effort in WY 1994 was to quantify the total variability, rather than to isolate individual components of that variability, and so the majority of the samples were replicated field samples. The central tendency of the variability of pairs of replicated field samples was summarized by calculating the square root of the mean of the sample-pair variances (root mean square - RMS). Because this weights the higher values, these figures provide a more conservative (*i.e.,* higher) estimate than other commonly used statistics (mean or median of the standard deviations).

A two-tiered system was used to evaluate data quality. The first tier consisted of five automated checks, including holding time, variability in field duplicates, and reasonableness of the result. Results exceeding pre-set limits were flagged. The second tier QC evaluation was a manual review of the data flagged in the first tier. Data were then coded from one through nine (one = data meets all QA requirements, nine = the data are unusable). Data with quality codes greater than four are generally not distributed.

Results and Discussion

The primary purpose of this report is to present the results of Ecology's river and stream monitoring in WY 1994. Appendix B contains results for each station monitored in WY 1994. Appendix C is a quarterly summary of data collected during the past six years for each station. Raw data are available in computer formats on request.

While a station-by-station data analysis is not within the scope of this report, some general observations are appropriate. The next two sections (1) discuss general water quality, particularly with respect to Washington's water quality standards (Washington Administrative Code, Chapter 173-201A), and (2) compare discharge in WY 1994 to historical discharge data. Floating stations are excluded from the following analyses or are tabulated separately because they do not necessarily reflect ambient conditions.

General Water Quality in Wateryear 1994

This discussion is largely based on comparisons to state water quality criteria. An exceedence of criteria usually indicates a violation of the water quality standards, but not always. For example, temperature standards specify that the criteria shall not be exceeded *due to human activities*. Many of the reported exceedences of the temperature criteria may not be due to human activities, particularly those downstream of lakes (for example, the Sammamish River). The ambient monitoring program is not designed to identify causes of water quality. Final determination of whether or not a station is in violation of water quality standards is made by Ecology's Water Quality Program in their bi-annual 305(b) report to EPA (e.g., Ecology, 1992).

Temperature

Statewide, 37 stations (56 percent of all stations) exceeded the temperature criteria at least once in WY 1994 (Table 4). Most of these stations were in eastern Washington (Figure 2). Seventy-nine percent of eastern Washington stations exceeded the criteria at least once. Although more western Washington stations exceeded temperature criteria in WY 1994 than in 1993 (Hallock, 1994), different stations were monitored so direct comparisons between water years are not appropriate. Stations which most frequently exceeded temperature criteria tended to be downstream of lakes on Class AA streams (e.g., Sammamish River, Quinault River) (Table 5).

Oxygen

Statewide, 14 stations (21 percent of all stations) exceeded the oxygen criteria at least once (Table 4). Stations which chronically exceeded the criteria were either class AA streams (Kettle and Sammamish Rivers) which have more restrictive oxgyen requirements, or streams which are (presumably) organically enriched (Palouse River at Palouse, Colville River, Mill Creek at Orillia) (Table 5).

pH

Fourteen stations (21 percent of all stations) exceeded the pH criteria; all were east of the Cascade Mountains (Table 4). Wenatchee River at Wenatchee, Palouse River at Hooper, and Crab Creek at Beverly exceeded the criteria more frequently than other stations (Table 5). Crab Creek may have naturally high pH (Hallock, 1995, in draft). Riparian clearing and nutrient enrichment has probably affected water quality in the Palouse and lower Wenatchee River systems.

Fecal Coliform Bacteria

Out of about 792 samples collected statewide, 103 samples (13 percent of all samples) from 32 stations (48 percent of all stations) exceeded the geometric mean criteria for fecal coliform bacteria at least once (Table 4). A strict interpretation of the fecal coliform bacteria standards

Table 4. Spatial distribution of water quality criteria exceedences for temperature, dissolved oxygen, pH, and fecal coliform bacteria (FC), and high values of total phosphorus (TP) and total suspended solids (TSS) in WY 1994.

Region	No. of Stations or Samples[a]	Parameter						
		Temp	Oxygen	pH	FC[b] (%)	FC[c] (gm)	TP[d]	TSS[e]
BY STATION								
Ecology Region								
Central	12	9	3	7	0	3	4	6
Eastern	16	13	6	7	5	8	7	8
Northwest	19	10	5	0	10	14	4	8
Southwest	19	5	0	0	4	7	2	7
East of Cascades	28	22	9	14	5	11	11	14
West of Cascades	38	15	5	0	14	21	6	15
Puget Sound Basin	29	10	5	0	14	18	5	12
All stations	66	37	14	14	19	32	17	29
BY SAMPLE								
Ecology Region								
Central	144	12	4	11	0	3	16	14
Eastern	192	23	14	19	9	24	41	30
Northwest	228	24	20	0	35	63	15	14
Southwest	228	11	0	0	7	13	5	16
East of Cascades	336	35	18	30	9	27	57	44
West of Cascades	456	35	20	0	42	76	20	30
Puget Sound Basin	348	24	20	0	42	72	19	36
All stations	792	70	38	30	51	103	77	73

[a] Number of samples assumes 12 samples per station. Actual number may be less due to equipment malfunction, loss of sample, etc.

[b] Results greater than the "10 percent not to exceed" criteria. See text.

[c] Results greater than the "geometric mean" criteria. See text.

[d] There are no state water quality standards for total phosphorus. The number shown is the number of results (or stations) that exceeded the 90th percentile of all results (0.068 mg/L).

[e] There are no state water quality standards for total suspended solids. The number shown is the number of results (or stations) that exceeded the 90th percentile of all results (19 mg/L).

Table 5. Continued.

EASTERN REGION

STATION NUMBER	STATION NAME	CLASS	TEMPERATURE No	Exceed	Pct	OXYGEN No	Exceed	Pct	pH No	Exceed	Pct	FECAL COLIFORM No	Exceed	Pct	Geo. Mean
32A070	Walla Walla R nr Touchet	B	12	3	25	12			12	2	17	11			
33A050	Snake R nr Pasco	A	12	1[a]	8	12	1	8	12	1	8	11	1	9	2
34A070	Palouse R @ Hooper	B	12	1	8	12			12	5	42	12	3	25	3
34A170	Palouse R @ Palouse	A	12	1[a]	8	12	4	33	12	2	17	11	2	18	5
35A150	Snake R @ Interstate Br	A	12	2[a]	17	12			12			12			
41A070	Crab Cr nr Beverly	B	12	2	17	12			12	6	50	11	1	9	2
41A110	Crab Cr nr Moses Lake	B	12			12			12			12			
54A050	Spokane R @ Mouth	A	12	3[a]	25	12			12	1	8	12			
54A120	Spokane R @ Riverside State Pk	A	12	[a]		12			12			12	2	17	4
55B070	Little Spokane R nr Mouth	A	12			12			12			12			
57A150	Spokane R @ Stateline Br	A	12	1[a]	8	12	1	8	12			11			
59A070	Colville R @ Kettle Falls	A	12	2	17	12	3	25	12			11			2
60A070	Kettle R nr Barstow	AA	12	3	25	12	3	25	12			12			1
61A070	Columbia R @ Northport (USGS)	AA	12	2	17	12	2	17	12			12			5
62A090	Pend Oreille @ Metaline Falls	A	10	1[a]	8	10			10	2	20	10			
62A150	Pend Oreille R @ Newport	A	12	1[a]	8	12			12			12			
Floating Stations															
55B100	Little Spokane R abv Deadman Cr	A	12	1	8	12			12			12			2
55B200	Little Spokane @ Chattaroy	A	12	2	17	12			12			12	1	8	2
55C065	Deadman Cr nr Mouth	A	12	1	8	12			12	2	17	12	2	17	2
55E070	Dragoon Cr nr Chattaroy	A	11	1	9	11			11	1	9	11	1	9	4

[a]Special temperature criteria of 20°C is reflected in the exceedences above.

Table 5. Continued.

NORTHWEST REGION

STATION NUMBER	STATION NAME	CLASS	TEMPERATURE No	Exceed	Pct	OXYGEN No	Exceed	Pct	pH No	Exceed	Pct	FECAL COLIFORM No	Exceed	Pct	Geo. Mean
01A050	Nooksack R @ Brennan	A	12			12			10			12			3
01E050	Whatcom Cr @ Bellingham	A	12	3	25	12			10			12	3	25	6
03A060	Skagit R nr Mount Vernon	A	12			12			10			12			
04A100	Skagit R @ Marblemount	AA	12			12			10			12			
05A070	Stillaguamish R nr Silvana	A	12	2	17	12			10			12			1
07A090	Snohomish R @ Snohomish	A	12	2	17	12			10			12	1	8	1
08B070	Sammamish R @ Bothell	AA	12	4	33	12	6	50	10			12	8	67	11
08B110	Sammamish R @ Redmond	AA	12	4	33	12	1	8	10			12	6	50	10
08B130	Issaquah Cr nr Issaquah	A	12			12			10			12	3	25	6
08C070	Cedar R @ Logan St/Renton	A	12			12			10			11	1	9	2
08C090	Cedar R @ Maple Valley	A	12			12			10			12			
08C110	Cedar R nr Landsburg	AA	12			12			10			12			
08K090	Ship Canal @ Freemont	LC	12			12			10			12			1
09A080	Green R @ Tukwila	A	12	2	17	12	1	8	10			12	4	33	8
09A090	Green R @ 212th St nr Kent	A	12	2	17	12	1	8	10			12	4	33	5
09A130	Green Abv Big Soos/Auburn	A	12	1	8	12			10			12			1
09A190	Green R @ Kanaskat	AA	12			12			10			12			
09B090	Big Soos Cr nr Auburn	A	12	1	8	12			10			12	1	8	2
09E070	Mill Creek @ Orillia	A	12	3	25	12	11	92	10			12	4	33	6
Floating Stations															
08C080	Cedar R @ Maplewood	A	12			12			10			12			
09C070	Des Moines Cr nr Mouth	A	12			12			10			12	1	8	3
09H090	Black R @ Renton	A	12	1	8	12	8	67	10			12	8	67	11

Table 5. Continued.

SOUTHWEST REGION

STATION NUMBER	STATION NAME	CLASS	TEMPERATURE No	Exceed	Pct	OXYGEN No	Exceed	Pct	pH No	Exceed	Pct	FECAL COLIFORM No	Exceed	Pct	Geo. Mean
10A070	Puyallup R @ Meridian St	A	12			12			12			12	4	33	5
11A070	Nisqually R @ Nisqually	A	12			12			12			12			
14A060	Goldsborough Cr @ Shelton	A	12			12			12			12	1	8	1
16A070	Skokomish R nr Potlatch	AA	12			12			12			12	1	8	2
16B110	Hamma Hamma R nr Eldon	AA	12			12			12			12			
16C090	Duckabush R nr Brinnon	AA	12			12			12			12			
16D070	Dosewallips R @ Brinnon	AA	12			12			12			12			
17A070	Big Quilcene R nr Quilcene	AA	12			12			12			12	1	8	1
18A070	Dungeness R nr Sequim	A	12			12			11			12			
18B070	Elwha R nr Port Angeles	AA	12			12			12			12			
20A090	Soleduck R nr Forks	AA	12			12			12			12			1
20B070	Hoh R @ DNR Campground	AA	12			12			12			12			
21A070	Queets R @ Queets	AA	12	1	8	12			12			12			1
21B090	Quinault R @ Lake Quinault	AA	12	3	25	12			12			12			
22A070	Humptulips R nr Humptulips	A	12	1	8	12			12			12			
22B070	WF Hoquiam R nr Hoquiam	A	12			12			12			12			
23A070	Chehalis R @ Porter	A	12	5	42	12			12			12			
23A160	Chehalis R @ Dryad	A	12	1	8	12			12			12			2
26B070	Cowlitz R @ Kelso	A	12			12			12			12			
Floating Stations															
16E070	Finch Cr @ Hoodsport	A	12			12			12			12	1	8	1
17B070	Chimacum Cr nr Irondale	A	12			12			12			12	2	17	6
17B100	Chimacum Cr @ Chimacum	A	12	1	8	12	4	33	12			12	8	67	10

would consider all of these stations in violation of water quality standards even though 12 of the stations had only a single result greater than the criteria. This is because the geometric mean cannot be based on a period longer than 30 days (Washington Administrative Code, Chapter 173-201A -060 paragraph (3)) and these samples were collected at approximately 30-day intervals.

Western Washington stations, and particularly Puget Sound stations, were more likely to exceed the fecal coliform criteria than were eastern Washington stations (Figure 2). A sample was twice as likely to exceed the geometric mean criteria in western Washington compared to eastern Washington (16 percent of western Washington samples exceed the geometric mean criteria compared to only 8 percent east of the Cascades). In the Puget Sound Basin, 21 percent of the samples exceed the criteria and 62 percent of the monitored stations had at least one sample over criteria. All stations where more than half of the samples exceeded the criteria were in the Puget Sound Basin (Whatcom Creek, Sammamish River, Issaquah Creek, Green River at Tukwila, and Mill Creek at Orillia) (Table 5).

Summary of Water Quality Criteria Exceedences

In WY 1994, only three stations (excluding floating stations) exceeded all four of the water quality criteria which we can readily evaluate with data collected by our program: Yakima River at Kiona, Snake River near Pasco, and Palouse River at Palouse. Of these stations, only the Palouse River exceeded criteria more than once or twice. On the other hand, only 17 stations (22 percent) had no water quality criteria exceedences at all. East of the Cascades, stations were listed as exceeding criteria most often because of high temperatures, followed by pH, bacteria, and oxygen. In western Washington, bacteria was the biggest problem, followed by temperature and oxygen.

The percent of samples exceeding water quality standards at core stations in 1994 was generally similar to the percent exceedences over the last seven years:

Parameter	WY 1994	WY 1988-1994
Temperature	13.4	9.5
Oxygen	4.6	3.3
pH	5.5	5.8
Bacteria (10 percent criteria)	6.6	7.8

(Rotating stations are excluded in the above figures to allow a more fair comparison between years.)

There were a few more temperature and dissolved oxygen exceedences than has been typical in recent years. High temperatures mostly occurred in July and early August. This probably indicates warmer than usual ambient air temperatures and not necessarily watershed changes. July was warmer and drier than usual (Seattle Times, 1994).

Turbidity

Water quality was not evaluated against the turbidity standard because the standard requires a comparison to background turbidity. However, the maximum turbidity (and maximum total suspended solids (TSS)) measured in WY 1994 at each station is indicated in Figure 3. Stations with high turbidity were evenly distributed between eastern and western Washington. The Palouse River at Hooper had by far the highest turbidity (7700 NTU), probably largely from agricultural runoff. The Puyallup River at Meridian Street had the next-highest turbidity (200 NTU). Turbidity in the Puyallup was high during lower-flow months (July through September) and glacial melt water may have been the source.

Other Parameters

Although there are no state water quality standards for total phosphorus (TP) or total suspended solids (TSS), these parameters are important to stream ecology. Streams with relatively high values were determined by comparing concentrations to a criteria defined as the 90th percentile of all samples collected in WY 1994 (excluding floating stations). The 90th percentiles were 0.068 mg/L for TP and 19 mg/L for TSS.

Stations with samples exceeding the 90th percentiles were evenly distributed between eastern and western Washington for TSS (Table 4) with eastern Washington generally having higher TP. Seventeen stations had at least one sample which exceeded the 90th percentile for TP and 29 stations for TSS. However, only 10 stations for TP and seven stations for TSS had chronically high concentrations (*i.e.*, were represented by more than two samples).

Stations with more than two samples exceeding the 90th percentile :

Station		Number of samples TP	TSS
01A050	Nooksack River at Brennan	<3	5
09E070	Mill Creek at Orillia	12	<3
10A070	Puyallup River at Meridian Street	4	7
11A070	Nisqually River at Nisqually	<3	3
32A070	Walla Walla River near Touchet	10	8
34A070	Palouse River at Hooper	9	10
34A170	Palouse River at Palouse	4	<3
37A090	Yakima River at Kiona	11	8
41070	Crab Creek near Beverly	7	6
41A110	Crab Creek near Moses Lake	3	<3
54A120	Spokane River at Riverside State Park	3	<3
59A070	Colville River at Kettle Falls	5	<3

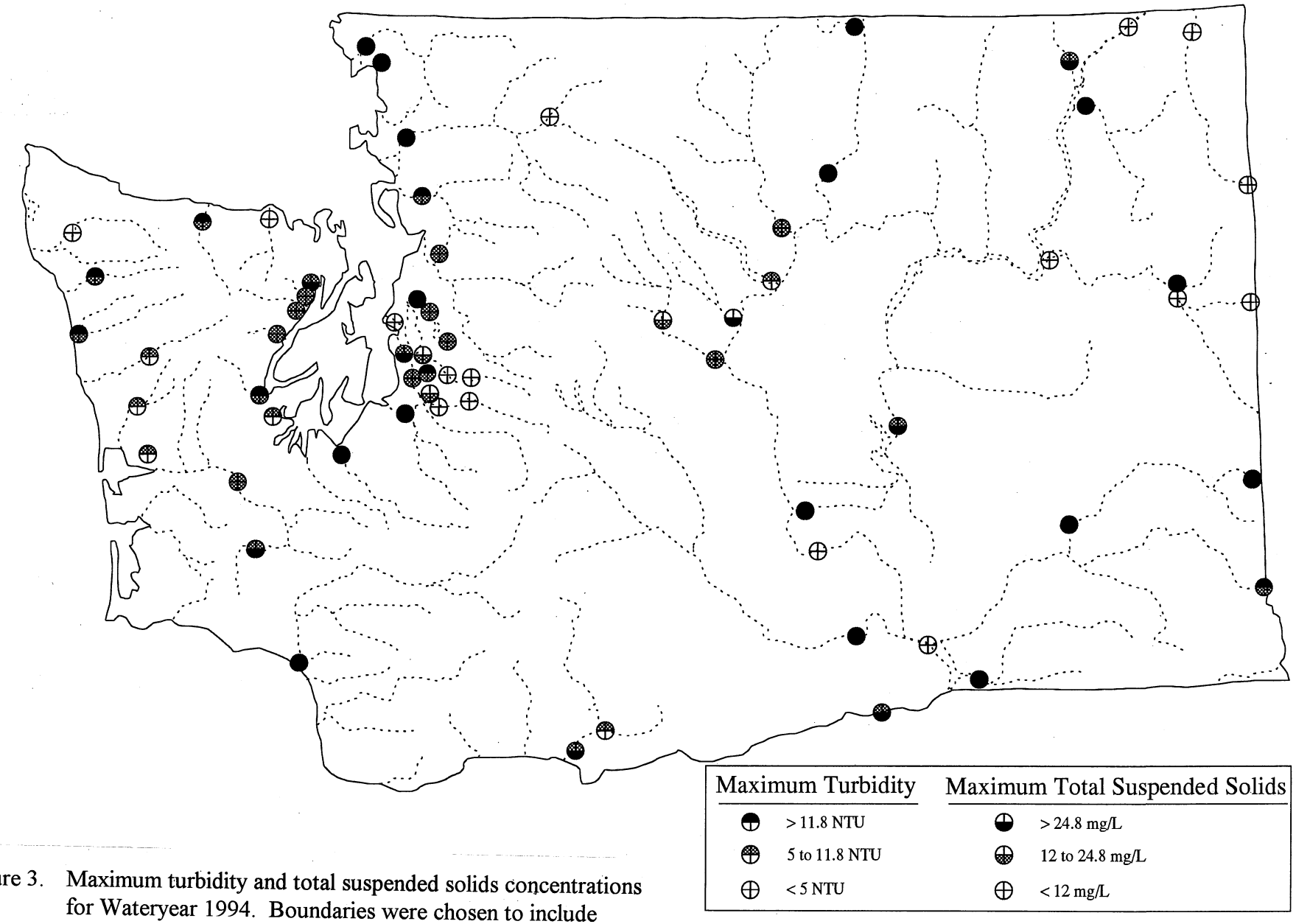


Figure 3. Maximum turbidity and total suspended solids concentrations for Wateryear 1994. Boundaries were chosen to include approximately one third of stations in each category. (Floating stations are not shown.)

Streams such as the Palouse, Walla Walla, and Yakima Rivers, where both TP and TSS are chronically high, may be particularly good candidates for the application of watershed BMPs.

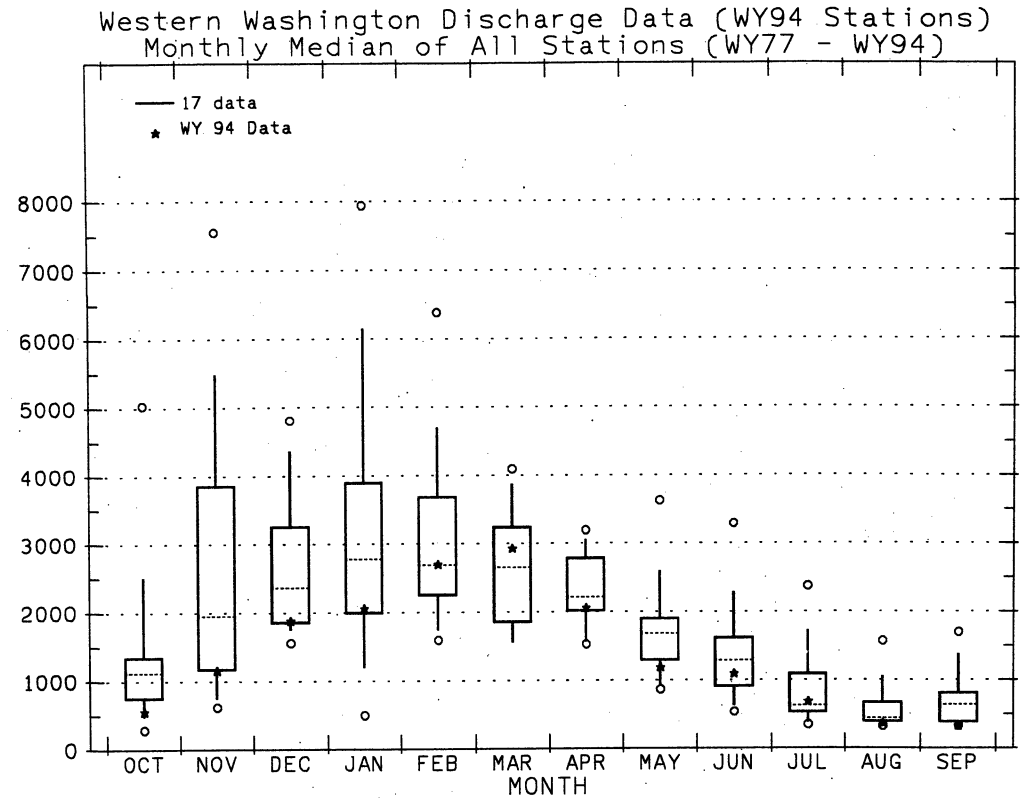
Discharge in WY 1994

Discharge in WY 1994 at the time of sampling (instantaneous discharge) tended to be low compared to the median instantaneous discharge since WY 1977. In western Washington, median WY 1994 discharge was near or below the 25th percentile for October through January and above the historical median (slightly) only in March and July (Figure 4, top). Precipitation was also below normal at the Seattle-Tacoma International Airport (Seattle Times, 1994). In eastern Washington, instantaneous discharge was very low compared to historical medians in December through February and in June, and high only in May (Figure 4, bottom). This analysis is based on *instantaneous* discharge, and may not reflect mean monthly discharge. Although precipitation duration, intensity, and the time since a previous precipitation event can significantly affect water quality, discharge at the time of sampling is also correlated with a number of water quality parameters. Generally lower discharges in WY 1994 may have resulted in lower fecal coliform bacteria, turbidity, and TSS concentrations, and higher temperature and pH measurements than usual. Detailed analyses of WY 1994 ambient monitoring data should consider the effect of discharge (as well as precipitation).

Quality Assurance

Because the variability of many parameters increases with increasing mean concentration, the RMS values of some variables are presented according to concentration ranges (of the mean of the sample pair) (Table 6). The variability shown in Table 6 is relatively low considering instream variability is included. There were too few (six) simultaneously collected samples to evaluate field replicates by concentration range, but when the data for all ranges are compared (Table 7) the RMS of simultaneously collected samples was less than the RMS of replicate samples, except for total phosphorus and soluble reactive phosphorus. Because the simultaneously collected field samples represent only a portion of the total variability in the data, it was expected that the RMS for these sample pairs would be lower. The variability of the paired samples of both total phosphorus and soluble reactive phosphorus was very dependent upon the concentration of the samples so that, given a larger number of simultaneously collected samples and a comparison of equivalent concentration ranges, the relative magnitude of the RMS values probably would have been different. Overall, the results were acceptable and no substantial measurement error due to either water collection, processing, or laboratory analysis was detected.

The expected results of the analysis of the blank samples was 'below reporting limits' for all concentrations and turbidity, and less than 3 mS (micro Siemans) for specific conductivity. Temperature, dissolved oxygen, and pH were not measured on blanks, and fecal coliform bacteria samples were submitted only two times. All concentration and turbidity results were reported as 'less than the reporting limits' except two ammonia-N analysis results of 0.011 mg L^{-1} (versus a reporting limit of 0.010 mg L^{-1}). Mean conductivity of blank samples was 1.7 mS (standard error=0.3 mS). Based on these results, no substantial sample contamination was detected.



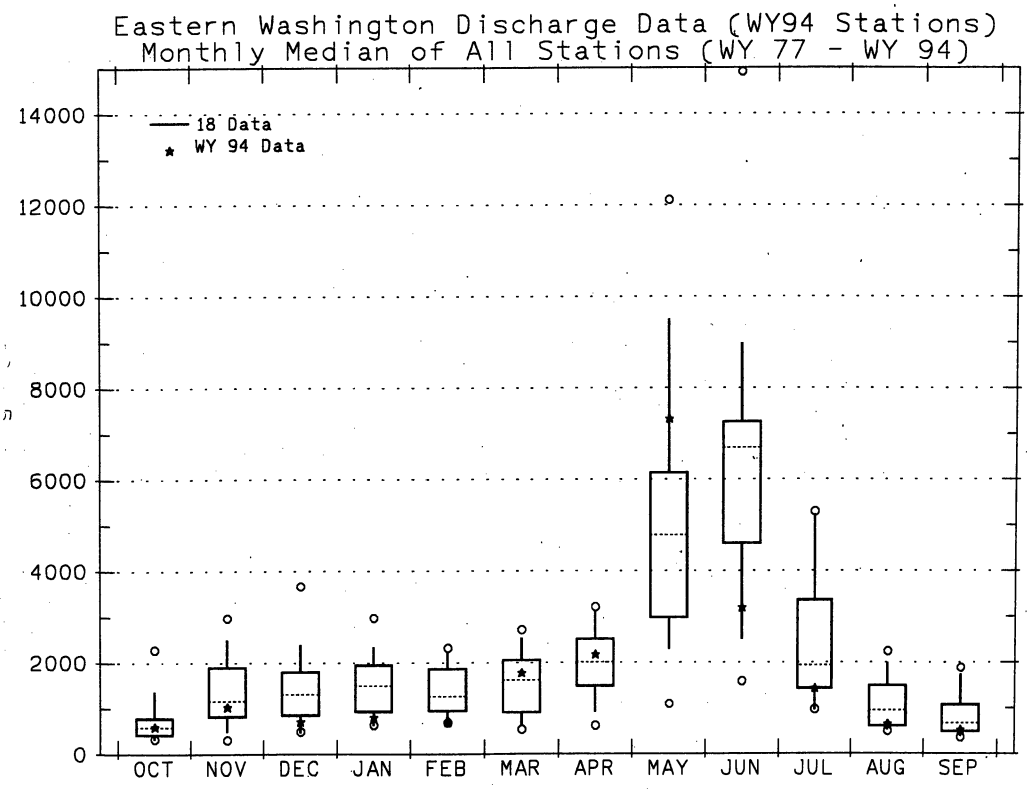


Figure 4. Distribution of discharge data by month in western Washington (top) and eastern Washington (bottom). Distribution is based on the median for each month of historical instantaneous discharge data (since October 1, 1976). Only stations sampled in WY 1994 with nearly continuous records were included (16 stations in eastern Washington and 16 in Western Washington). '*' indicates the monthly median of WY 1994 data. (Plots produced with WQHYDRO, Aroner, 1995.)

Table 6. Root mean square of the standard deviation of replicate field samples. n = number of replicate sample pairs.

Variable	Range	Root mean square	sample size, n
Temperature (C)	all	0.0	125
pH	all	0.1	122
Specific conductivity (mS)	all	2.0	129
Turbidity (NTU)	≤10	0.4	108
	>10	1.2	21
Suspended solids (mg L^{-1})	≤10	0.7	91
	>10	6.0	38
Total phosphorus (μg L^{-1})	≤50	2.7	96
	>50	9.0	33
Soluble reactive P (μg L^{-1})	≤50	1.1	113
	>50	4.3	16
Total Nitrogen (μg L^{-1})	≤500	41.5	79
	>500	57.6	49*
NO_3/NO_2-N (μg L^{-1})	≤500	10.3	87
	>500	42.8	42
NH_3-N (μg L^{-1})	≤20	2.7	98
	>20	12.9	31
Fecal coliform (# 100 mL^{-1})	≤50	7.5	107
	>50	125	22
*does not include one total nitrogen replicate pair with an extremely high standard deviation (values of 3300 and 17,000 μg L^{-1}).			

Table 7. RMS of replicate field sample pairs and simultaneously collected sample pairs over the entire data range. *n*= 6 simultaneously collected sample pairs for all variables. See Table 6 for *n* of replicate pairs.

Variable	Replicates	Simultaneous
Temperature (C)	0.0	NA
pH	0.1	0.0
Specific conductivity (mS)	2.0	0.4
Turbidity (NTU)	0.6	0.1
Suspended solids (mg L^{-1})	3.3	0.8
Total phosphorus (µg L^{-1})	5.1	15.5
Soluble reactive P (µg L^{-1})	1.8	2.4
Total Nitrogen (µg L^{-1})	48.4	11.2*
NO_3/NO_2-N (µg L^{-1})	25.8	14.6
NH_3-N (µg L^{-1})	6.4	1.0
Fecal coliform (# 100 mL^{-1})	51.2	2.6
*does not include the outlier with extremely high standard deviation (See Table 1 footnote).		

The remaining element of the QA program, laboratory variability, was assessed by laboratory staff through manual review of laboratory quality control charts, check standards, in-house matrix spikes, and laboratory blanks. Results were all within acceptable ranges.

Conclusions

1. Overall there were an average number of water quality standards criteria exceedences in WY 1994. All pH exceedences occurred in eastern Washington and most fecal coliform bacteria exceedences occurred in western Washington. Temperature and dissolved oxygen exceedences occurred statewide.

2. Total suspended solids and total phosphorus concentrations tended to be highest in Ecology's Eastern Region. Western Washington also had its share of high values for both parameters, possibly due to the influence of glacial melt water.

3. Individual stations worthy of note (excluding floating stations) include:

   a) Yakima River at Kiona (37A090) - Eleven of 12 and eight of 12 samples for total phosphorus and TSS, respectively, were in the 90th percentile of all samples statewide. All four monitored water quality standards criteria were exceeded at least once (temperature, oxygen, pH, and fecal coliform bacteria).
   b) Palouse River (34A070 and 34A170) - TP and TSS were high at both stations. (TSS was extremely high at the Palouse River at Hooper.) There were numerous criteria exceedences at both stations.
   c) Sammamish River (08B070 and 08B110) - Temperature, oxygen, and especially fecal coliform exceedences were common.
   d) Walla Walla River (32A070) - Ten of 12 and 8 of 12 samples for total phosphorus and TSS, respectively, were in the 90th percentile of all samples statewide.

4. Median instantaneous discharge was generally lower than historical medians in both western and eastern Washington, particularly during the winter months.

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Appendix A

Station Description and Period of Record for Ecology's River and Stream Ambient Monitoring Program

Station description and monitoring history for EILS freshwater monitoring program.

Sta Number	Station Name	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
	Water Year Sampled																																					
01A050	Nooksack R @ Brennan													X		X	X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
01A070	Nooksack R @ Ferndale				X	X	X	X	X	X	X	X	X	X			X			X																		
01A090	Nooksack R nr Lynden													X			X			X																		
01A120	Nooksack R @ No Cedarville	X	X	X	X	X	X	X	X	X		X	X	X			X				X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X
01B050	Silver Cr nr Brennan																																		X	X		
01D070	Sumas R nr Huntingdon BC													X			X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
01D090	Sumas R @ Sumas													X			X																					
01E050	Whatcom Cr @ Bellingham															X				X																	X	
01E070	Whatcom Cr @ Lake Outlet															X																						
01E090	Whatcom Lake nr Bellingham							X	X	X		X	X																									
03A050	Skagit R @ Conway													X			X																					
03A060	Skagit R nr Mount Vernon	X	X	X	X	X	X	X	X	X		X	X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
03A070	Skagit R nr Sedro Woolley													X			X			X																		
03B045	Sammish R. nr Mouth																																					X
03B050	Samish R nr Burlington	X	X	X	X	X	X	X	X	X		X	X	X			X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X
03B070	Samish R nr Hoogdal													X																								
03B080	Sammish R. nr Prairie																																					X
03C060	Friday Cr Blw Hatchery																X																			X		X
03C080	Friday Cr at Alger																X																					
03D050	Nookachamp Ck nr Mouth																																					X
04A060	Skagit R @ Concrete													X			X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		
04A100	Skagit R @ Marblemount	X	X	X	X	X	X	X	X	X		X	X								X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
04A140	Skagit R @ Newhalem																X			X																		
04B070	Baker R @ Concrete				X	X	X	X												X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		
04B150	Baker Lake @ Boulder Cr																	X	X	X	X	X	X															
04C070	Sauk R nr Rockport																			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		
04C110	Sauk R @ Darrington	X	X	X																																		
04E050	Finney Cr near Birdsview																																					X
05A050	Stillaguamish R @ Stanwood													X																								
05A055	Hat Slough nr Stanwood																			X																		
05A070	Stillaguamish R nr Silvana	X	X	X	X	X	X	X	X	X	X	X	X	X			X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
05A090	SF Stillaguamish @ Arlington													X			X				X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X
05A110	SF Stilly nr Granite Falls	X	X	X	X	X	X	X	X								X																			X		X
05B070	NF Stillaguamish @ Cicero				X	X	X	X	X	X	X	X	X	X			X				X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X
05B090	NF Stillaguamish R @ Oso																X																					
05B110	NF Stilly nr Darrington																X																			X		X
07A090	Snohomish R @ Snohomish	X	X	X	X	X	X	X	X	X		X	X	X			X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
07A109	Snohomish R nr Monroe NE													X																								
07A110	Snohomish R nr Monroe SW													X																								

Station description and monitoring history for EILS freshwater monitoring program.

Sta Number	Station Name	Water Year Sampled																																				
		59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
07A111	Snohomish R nr Monroe (USGS)																	X	X			X	X	X	X	X	X	X	X	X	X	X						
07B055	Pilchuck R @ Snohomish													X			X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
07B090	Pilchuck R nr Lake Stevens																			X																		
07C070	Skykomish R @ Monroe													X			X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X
07C090	Skykomish R @ Sultan													X			X																					
07C120	Skykomish R nr Gold Bar	X	X	X	X	X	X	X	X	X	X	X	X								X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
07C170	Skykomish R nr Miller R																			X																		
07D050	Snoqualmie R nr Monroe																			X															X	X		X
07D070	Snoqualmie R nr Carnation													X		X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
07D130	Snoqualmie R @ Snoqualmie	X	X	X	X	X	X	X	X	X	X	X	X							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X
07D150	M F Snoqualmie R nr Ellisville																																	X				
07E055	Sultan R @ Sultan		X	X	X	X	X	X	X	X		X	X	X			X																		X			
07F055	Woods Cr @ Monroe													X			X																		X			
07G070	Tolt R nr Carnation		X	X	X	X	X	X	X	X	X	X	X																						X			
07M070	S F Snoqualmie R at North Bend																																	X				
07N070	N F Snoqualmie R nr Ellisville																																	X				
07P070	Patterson Ck nr Fall City																																		X			
07Q070	Raging R @ Fall City																																		X			
08A070	McAleer Cr nr Mouth														X																							
08A090	Upper McAleer Cr														X																							
08B070	Sammamish R @ Bothell	X	X	X	X	X	X	X	X	X	X	X	X	X			X		X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
08B110	Sammamish R @ Redmond																		X																		X	
08B130	Issaquah Cr nr Issaquah							X	X	X		X	X	X			X		X																		X	
08C070	Cedar R @ Logan St/Renton	X	X	X	X	X	X	X	X					X		X			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
08C080	Cedar R @ Maplewood																																				X	
08C090	Cedar R @ Maple Valley															X																					X	
08C110	Cedar R nr Landsburg	X	X	X	X											X					X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X
08D070	Mercer Slough nr Bellevue														X																							
08E090	Kelsey Cr @ Monitor Site														X																							
08E110	Upper Kelsey Cr														X																							
08F070	May Cr nr Mouth														X																							
08G070	Valley Cr nr Mouth														X																							
08H070	Thornton Cr nr Mouth														X																							
08H100	North Branch Thornton Cr														X																							
08J070	West Branch Thornton Cr														X																							
08K090	Ship Canal @ Freemont																																				X	
09A060	Duwamish R @ Allentown Br																						X	X	X	X	X	X	X	X	X	X	X	X				
09A070	Duwamish R @ Foster	X	X	X	X	X	X	X	X	X																												
09A080	Green R @ Tukwila																																	X	X	X	X	X

Station description and monitoring history for EILS freshwater monitoring program.

Sta Number	Station Name	Water Year Sampled																																				
		59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
09A090	Green R @ 212th St nr Kent													X				X	X				X	X	X	X	X	X	X	X	X	X	X			X		
09A110	Green R @ Auburn					X	X	X	X	X		X	X	X																									
09A130	Green Abv Big Soos/Auburn	X	X	X	X	X	X	X	X	X	X	X	X																								X	
09A150	Green R nr Auburn														X																							
09A170	Green R nr Black Diamond																		X																		
09A190	Green R @ Kanaskat	X	X	X															X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
09B070	Big Soos Cr blw Hatchery														X				X																		
09B090	Big Soos Cr nr Auburn					X	X	X	X					X	X																						X	
09C070	Des Moines Cr nr Mouth														X																						X	
09C090	Des Moines Cr @ So 200th														X																							
09D070	Miller Cr nr Mouth														X																							
09D090	Miller Cr @ Ambaum Blvd SW														X																							
09E070	Mill Creek @ Orillia																											X	X	X	X	X	X				X	
09E090	Mill Creek - Kent on W Valley Hwy																											X	X	X	X	X	X					
09H090	Black R @ Renton																																				X	
10A050	Puyallup R @ Puyallup (USGS)	X	X	X	X	X	X	X	X	X		X	X	X	X			X	X	X	X	X	X	X	X	X	X	X										
10A070	Puyallup R @ Meridian St													X				X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10A090	Puyallup R @ McMillin													X					X																			
10A110	Puyallup R @ Orting	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X	X	X	X	X	X	X	X	X	X	X	X	X		X			
10B070	Carbon R nr Orting						X	X						X	X																					X		
10B090	Carbon R @ Fairfax																		X																		
10C070	White R @ Sumner													X	X						X	X	X	X	X	X	X	X	X	X	X	X	X		X		
10C085	White R nr Sumner											X	X					X																			
10C090	White R @ Auburn				X	X	X	X	X					X		X																					
10C110	White R blw Buckley															X																					
10C130	White R @ Buckley																																			X		
10C140	White R nr Buckley															X																					
10C150	White R nr Greenwater															X																					
10D070	Boise Cr @ Buckley					X	X	X								X																					
10D090	Boise Cr nr Enumclaw					X	X	X																													
10E070	Salmon Cr @ Sumner													X																							
10F070	So Prairie Cr nr Crocker																		X																		
10F090	South Prairie Ck nr S. Prairie																																			X		
11A070	Nisqually R @ Nisqually															X			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11A080	Nisqually R @ McKenna	X	X	X	X	X	X	X	X	X	X	X	X																				X	X		X		
11A090	Nisqually R abv Powell Cr															X					X	X	X	X	X	X	X	X	X	X	X	X	X					
11A110	Nisqually R @ LaGrande															X																						
11A140	Nisqually R @ Elbe															X			X		X	X	X															
12A070	Chambers Cr nr Steilacoom					X	X	X	X	X					X	X			X								X	X	X	X	X	X	X	X		X		

Station description and monitoring history for EILS freshwater monitoring program.

Sta Number	Station Name	Water Year Sampled 59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
12A100	Chambers Cr blw Steilacoom Lk																		X																			
12A110	Clover Cr abv Steilacoom Lk					X	X	X											X																			
12A130	Clover Cr nr Parkland					X	X																															
12B070	Leach Cr nr Steilacoom					X	X	X											X																			
12C070	Flett Cr @ Custer Rd					X	X	X											X																			
13A050	Deschutes R @ Tumwater					X	X	X	X	X		X	X							X																		
13A060	Deschutes R @ E St Bridge																				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X
13A080	Deschutes R nr Olympia														X			X		X																		
13A150	Deschutes R nr Rainier														X			X			X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		
14A060	Goldsborough Cr @ Shelton																																				X	
14A070	Goldsborough Cr nr Shelton							X	X	X		X	X																									
15A070	Dewatto R nr Dewatto														X	X	X																					
15B070	Chico Cr nr Bremerton							X	X	X	X	X	X																									
16A070	Skokomish R nr Potlatch		X	X	X	X	X	X	X	X		X	X		X	X	X				X	X	X				X	X	X	X	X	X	X	X	X	X	X	X
16B070	Hamma Hamma R nr Mouth				X	X	X	X	X	X		X	X			X																						
16B110	Hamma Hamma R nr Eldon															X	X																				X	
16C070	Duckabush R @ Mouth		X	X	X	X	X	X	X	X		X	X			X																						
16C090	Duckabush R nr Brinnon														X	X	X																				X	X
16D070	Dosewallips R @ Brinnon	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X																				X	
16E070	Finch Cr @ Hoodsport																																				X	
17A070	Big Quilcene R nr Quilcene	X	X	X	X	X	X	X	X			X			X	X	X																				X	
17B070	Chimacum Cr nr Irondale																																				X	
17B090	Chimacum Cr @ Hadlock															X																						
17B100	Chimacum Cr @ Chimacum																																				X	
17B110	Chimacum Cr nr Chimacum															X																						
18A070	Dungeness R nr Sequim	X	X	X	X	X	X	X	X						X	X	X																				X	
18B070	Elwha R nr Port Angeles	X	X	X	X	X	X	X	X			X			X	X	X																				X	X
18B080	Elwha R @ McDonald Br (USGS)																	X	X	X	X	X	X	X	X	X	X	X										
19A070	Pysht R nr Pysht														X	X	X																					
19B070	Hoko R nr Mouth														X																							
19B090	Hoko R nr Sekiu															X	X																					
20A090	Soleduck R nr Forks														X	X	X																				X	
20A130	Soleduck R nr Fairholm		X	X	X	X	X	X	X	X		X	X																									
20B070	Hoh R @ DNR Campground		X	X	X	X	X	X	X	X	X	X	X		X	X	X				X	X	X														X	X
20C070	Ozette R @ Ozette	X	X	X																																		
21A070	Queets R @ Queets		X	X	X	X	X	X	X	X	X	X	X		X																						X	
21A080	Queets R nr Clearwater (USGS)																				X	X	X	X	X	X	X	X										
21A090	Queets R abv Clearwater															X	X																					
21B090	Quinault R @ Lake Quinault	X	X				X	X	X	X	X	X	X		X	X	X				X	X	X														X	

Station description and monitoring history for EILS freshwater monitoring program.

Sta Number	Station Name	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
21C070	Clearwater R nr Queets															X	X																					
21D070	NF Quinault R @ Amanda (USGS)													X	X	X	X	X	X	X	X	X	X	X	X	X	X	X										
22A070	Humptulips R nr Humptulips	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
22B070	WF Hoquiam R nr Hoquiam					X	X	X	X	X						X	X																				X	
22C050	Chehalis R nr Montesano													X							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
22C070	Chehalis R nr Fuller													X				X																				
22D070	Wishkah R nr Wishkah					X	X	X	X	X						X	X			X																		
22F090	Wynoochee R nr Montesano	X	X	X	X	X	X	X	X	X		X	X			X	X			X																		
22G070	Satsop R nr Satsop		X	X	X	X	X	X	X	X	X	X	X	X				X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		
22H070	Cloquallum Cr nr Elma				X	X	X	X							X			X		X																		
22J070	Wildcat Cr nr McCleary													X																								
23A070	Chehalis R @ Porter	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
23A100	Chehalis R @ Prather Rd																																					X
23A110	Chehalis R @ Galvin														X			X		X																		
23A120	Chehalis R @ Centralia																				X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		
23A140	Chehalis R @ Adna														X			X		X																		
23A160	Chehalis R @ Dryad	X	X	X	X	X	X	X	X												X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
23B050	Newaukum @ Mouth																																			X		
23B070	Newaukum R nr Chehalis		X	X	X	X	X	X	X	X						X		X		X																		
23B090	SF Newaukum R @ Forest																	X																				
23C070	NF Newaukum R @ Forest																	X																				
23D055	Skookumchuck R @ Centralia																																			X		
23E070	Black River @ Moon Road Bridge																																X	X		X		X
23F070	Mill Ck nr Bordeaux																																			X		
24B090	Willapa R nr Willapa								X	X		X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X
24B130	Willapa R @ Lebam	X	X	X								X									X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
24C070	SF Willapa R @ South Bend															X																						
24D070	North R nr Raymond															X			X	X																		
24D090	North R @ Artic																																		X			
24E070	North Nemah R @ Nemah															X				X																		
24F040	Naselle R @ Mouth															X																						
24F055	Naselle R @ Naselle									X																												
24F070	Naselle R nr Naselle								X	X		X	X			X			X	X	X	X	X												X			X
24G070	Bear Branch nr Naselle								X											X																		
24H070	Middle Nemah R nr Nemah																			X																		
24J070	South Namah R nr Nemah																			X																		
25A070	Columbia R @ Cathlamet										X	X	X						X																			
25A075	Columbia R @ Bradwood																X	X	X	X	X	X																
25A110	Columbia R @ Fisher Is Lt					X	X	X	X	X																												

Column heading over years: Water Year Sampled

Station description and monitoring history for EILS freshwater monitoring program.

Sta Number	Station Name	Water Year Sampled																																						
		59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
25A115	Columbia R nr Longview										X	X	X						X																				
25A150	Columbia R blw Longview Br										X				X																								
25B070	Grays R nr Grays River															X			X	X																			
25C070	Elochoman R nr Cathlamet	X														X			X	X																			
26B070	Cowlitz R @ Kelso		X	X	X	X	X	X	X						X	X		X			X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
26B100	Cowlitz R @ Castle Rock (USGS)									X	X	X	X					X	X	X	X																		
26B150	Cowlitz R @ Toledo				X	X	X	X	X						X			X			X	X	X												X				
26B180	Cowlitz nr Kosmos B Cispus	X	X	X	X	X	X	X	X	X																													
26B190	Cowlitz R nr Randle											X	X					X																					
26B200	Cowlitz R nr Kosmos														X																								
26C070	Coweeman R @ Kelso				X	X	X	X	X					X	X			X									X	X	X	X	X	X	X	X	X				
26C090	Coweeman R nr Rose Valley													X				X																					
26D070	Toutle R nr Castle Rock		X	X	X	X	X	X	X	X		X	X		X			X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
26E070	Cispus R nr Kosmos														X								X	X	X														
27A070	Columbia R @ Kalama										X	X	X						X	X																			
27B070	Kalama R nr Kalama		X	X	X	X	X	X	X	X	X	X	X		X	X			X	X			X	X	X	X	X	X	X	X	X	X	X	X	X			X
27B090	Kalama R @ Upper Hatchery															X																						
27B110	Kalama R @ Pigeon Springs															X																						
27C070	Lewis R @ Woodland @ I-5					X	X	X	X	X		X	X		X	X																							
27C080	Lewis R @ Co Rd 16																																		X			
27C110	Lewis R @ Ariel (USGS)		X	X																X	X	X	X					X										
27D090	EF Lewis R nr Dollar Corner																			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X
27E070	Cedar Cr nr Etna																																					X
27F070	Gee Cr @ Ridgefield																																					X
28A090	Columbia blw Vancouver WA										X	X	X																									
28A091	Columbia blw Vancouver OR										X	X	X																									
28A165	Columbia R @ Warrendale															X	X	X	X	X	X	X																
28A170	Columbia R blw Bonneville										X	X								X																		
28A175	Columbia R @ Bonneville Dam										X	X	X						X																			
28B070	Washougal R @ Washougal											X	X		X	X			X	X															X				
28B090	Washougal R nr Washougal				X	X	X	X	X	X	X	X	X																										
28B110	Washougal R blw Canyon Ck																																					X
28C070	Burnt Br Cr @ Mouth															X																						
28C110	Burnt Br Cr @ Vancouver															X																						
28D070	Salmon Cr @ Salmon Creek															X																						
28D110	Salmon Cr nr Battle Ground															X																						
28E070	Weaver Cr nr Battle Ground															X																						
28F070	Lake R nr Ridgefield																																		X			
28G070	Gibbons Ck nr Washougal																																		X			

Station description and monitoring history for EILS freshwater monitoring program.

Sta Number	Station Name	Water Year Sampled																																					
		59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
29B070	White Salmon R nr Underwood		X	X	X	X	X	X	X	X	X	X	X		X	X			X	X	X	X	X	X	X	X												X
29C070	Wind R nr Carson															X			X	X	X	X	X	X	X	X												X
30A070	Columbia R @ The Dalles										X	X		X	X	X	X	X	X	X	X																	X
30A090	Columbia R @ The Dalles Dam										X																												
30B060	Klickitat R nr Lyle																																				X	X
30B070	Klickitat R nr Pitt (USGS)									X	X	X	X			X	X	X	X	X	X	X	X															
30C070	Little Klickitat nr Wahkiacus																			X																	X	X
30D070	Rattlesnake Cr nr Mouth																																					X
30E070	Gilmer Cr nr Mouth																																					X
31A070	Columbia R @ Umatilla										X							X	X	X	X	X												X	X	X	X	X
31A090	Columbia R @ McNary Dam	X	X	X	X	X	X	X	X	X	X	X																										
31A130	Columbia R nr Yakima R Mouth										X																											
32A070	Walla Walla R nr Touchet	X	X	X	X	X	X	X	X					X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
32A090	Walla Walla R nr Lowden													X	X																							
32A110	Walla Walla R @ College Pl													X	X		X	X																				
32B070	Touchet R @ Touchet														X		X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
32B100	Touchet R @ Bolles																X	X																				
32B120	Touchet R nr Dayton																X	X																				
32B130	Touchet R @ Dayton	X	X																															X	X			
32C070	Mill Cr @ Mission St														X		X	X																				
32C110	Mill Cr @ Tausick Way														X		X																			X		
33A010	Snake R nr Mouth										X																											
33A050	Snake R nr Pasco		X	X	X	X	X	X	X		X					X																		X	X	X	X	X
33A070	Snake R blw Ice Harbor Dam											X			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
34A070	Palouse R @ Hooper	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
34A085	Palouse R @ Shields Rd Bridge																																		X			
34A090	Palouse R nr Diamond													X			X																					
34A110	Palouse R abv Buck Canyon													X			X	X																				
34A170	Palouse R @ Palouse																	X																	X	X	X	X
34B070	SF Palouse R nr Colfax													X			X	X																				
34B090	SF Palouse R nr Pullman													X			X																					
34B110	SF Palouse R @ Pullman													X			X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X
34B130	SF Palouse R blw Sunshine																	X																				
34B140	SF Palouse R @ Busby																																		X			
34C060	Paradise Cr at Mouth																																		X			
34C070	Paradise Cr nr Pullman																	X																				
34C100	Paradise Cr @ Border																																		X			
34D070	SF Palouse Trib Whitman Fm																	X																				
34E070	Rock Creek at Revere																																		X			

Station description and monitoring history for EILS freshwater monitoring program.

Sta Number	Station Name	Water Year Sampled																																				
		59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
35A100	Snake R blw Lwr Granite Dam																				X																	
35A150	Snake R @ Interstate Br				X	X	X	X	X		X	X																						X	X	X	X	X
35A200	Snake R nr Anatone														X	X	X	X	X	X	X	X																
35B060	Tucannon R @ Powers																X				X	X	X	X	X	X	X	X	X	X	X	X	X	X			X
35B110	Tucannon R nr Delaney	X	X																																			
35C070	Grande Ronde R nr Anatone																			X			X	X	X											X		
35D070	Asotin Cr @ Asotin																			X																X		
35E070	Clearwater R @ US12/95																																			X		
36A055	Columbia R @ Port of Pasco														X																							
36A060	Columbia R @ Pasco										X	X																										
36A065	Columbia R @ Richland																					X																
36A070	Columbia R nr Vernita				X	X					X	X	X		X		X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	
37A060	Yakima R @ VanGiesen Br														X		X	X																				
37A070	Yakima R nr Richland													X																								
37A090	Yakima R @ Kiona	X	X	X	X					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
37A095	Yakima 2 mi blw Prosser																																			X		
37A100	Yakima below Prosser																																			X		
37A110	Yakima R @ Prosser													X			X	X																				
37A130	Yakima R @ Mabton													X			X	X																			X	
37A149	Yakima R @ Granger No Side													X																								
37A150	Yakima R @ Granger So Side													X																								
37A170	Yakima R nr Toppenish													X			X	X																		X		
37A190	Yakima R @ Parker													X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
37A200	Yakima R abv Ahtanum Cr (USGS)																	X	X			X	X	X														
37A205	Yakima R @ Knob Hill																																					X
37A210	Yakima R nr Terrace Height													X	X		X	X																			X	
37B060	Satus Cr @ Satus																X	X																				
37C060	Toppenish Cr nr Satus																X	X																				
37D080	Marion Drin nr Granger																X	X																				
37E070	Wide Hollow Cr @ Union Gap													X			X																		X			
37E090	Wide Hollow Cr @ Goodman													X			X																					
37F070	Sulfer Ck Wasteway @ McGee Rd																																				X	
38A050	Naches R @ Yakima on US HWY 97		X	X	X	X	X	X	X																										X			
38A070	Naches R @ Yakima															X		X																				
38A110	Naches R @ Naches	X	X															X																				
38A130	Naches R nr Naches					X	X	X	X																													
38B070	Tieton R @ Oak Creek					X	X	X	X																										X			
38C070	Rattlesnake Cr nr Nile					X	X																															
38D070	Bumping R @ American R					X	X																															

Station description and monitoring history for EILS freshwater monitoring program.

Sta Number	Station Name	Water Year Sampled																																					
		59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
38E070	American R @ American R					X	X																															
38F070	Little Naches nr Cliffdell					X	X	X																											X			
39A070	Yakima R nr Thorp														X			X																				
39A080	Yakima R @ Cle Elum	X	X	X	X	X	X	X	X	X	X	X	X																									
39A090	Yakima R nr Cle Elum														X			X															X	X	X			X
39B070	Cle Elum R nr Cle Elum														X			X																				
39B090	Cle Elum R nr Roslyn																																		X			
39C070	Wilson Cr @ Thrall								X	X	X	X	X			X		X																		X		
39D070	Teanaway R nr Cle Elum				X	X	X	X	X																										X			
41A070	Crab Cr nr Beverly	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X
41A075	Crab Cr nr Smyrna					X	X	X																														
41A090	Crab Cr nr Othello													X																								
41A110	Crab Cr nr Moses Lake				X																		X	X	X	X										X	
43A070	Crab Cr @ Irby				X																																
44A070	Columbia R blw Rock Is Dam														X			X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X			
45A070	Wenatchee R @ Wenatchee		X	X	X	X	X	X	X	X		X	X		X			X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
45A085	Wenatchee R nr Dryden																		X																		
45A100	Wenatchee R @ Leavenworth																		X																		
45A110	Wenatchee R nr Leavenworth																				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
45B070	Icicle Cr nr Leavenworth																		X																	X	
46A070	Entiat R nr Entiat	X	X	X	X	X	X	X	X	X					X			X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X
47A070	Chelan R @ Chelan		X	X	X	X	X	X	X	X		X	X		X			X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	
47B070	Columbia R @ Chelan Station																																	X		X		
48A070	Methow R nr Pateros	X	X	X	X	X	X	X	X						X			X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
48A130	Methow R nr Twisp																		X		X	X	X	X	X	X	X	X	X	X	X							
48A140	Methow R @ Twisp																															X	X	X		X		X
48A170	Methow R @ Weeman Br																		X																		
48A190	Methow R blw Gate Cr																		X		X	X	X														
48B070	Chewack R @ Winthrop																		X																		
49A050	Okanogan R nr Brewster	X	X	X	X	X	X	X	X	X	X																											
49A070	Okanogan R @ Malott									X	X	X	X		X			X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
49A090	Okanogan R @ Okanogan																		X		X	X	X	X	X	X	X	X	X	X	X							
49A170	Okanogan R @ Janis																		X																		
49A190	Okanogan R @ Oroville		X	X	X	X	X	X	X									X	X		X	X	X	X	X	X	X	X	X	X	X	X	X		X		X
49B070	Similkameen R @ Oroville		X	X	X	X	X	X	X									X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
50A070	Columbia R nr Brewster										X																											
51A070	Nespelem R @ Nespelem																						X	X	X	X	X	X	X	X	X	X	X	X		X		
52A070	Sanpoil R @ Keller		X	X	X	X	X	X	X						X			X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		
52A110	Sanpoil R 13 mi S. Republic																																					X

Station description and monitoring history for EILS freshwater monitoring program.

Sta Number	Station Name	Water Year Sampled 59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
52A170	Sanpoil R blw Republic																		X																			
52A190	Sanpoil R abv Republic																		X																	X		
53A070	Columbia R @ Grand Coulee														X			X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X
54A050	Spokane R @ Mouth																																	X	X	X	X	
54A070	Spokane R @ Long Lake (USGS)	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X										
54A090	Spokane R @ Ninemile Br													X		X																						
54A120	Spokane R @ Riverside State Pk														X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
54A130	Spokane R @ Fort Wright Br													X		X																						
55B070	Little Spokane R nr Mouth													X		X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X
55B080	Little Spokane R nr Griffith Spring																																X	X				
55B082	Little Spokane R abv Dartford Creek																																X	X				
55B085	Little Spokane nr Dartford		X	X	X	X	X	X	X																													
55B090	Little Spokane R abv Wandermere															X																						
55B100	Little Spokane R abv Deadman Creek																																X	X			X	
55B200	Little Spokane @ Chattaroy																																				X	
55C065	Deadman Cr nr Mouth																																				X	
55C070	Peone (Deadman) Creek abv L Deep Cr																																X	X				
55E070	Dragoon Cr nr Chattaroy																																				X	
56A070	Hangman Cr @ Mouth															X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X
57A120	Spokane R @ Spokane															X																						
57A130	Spokane R @ Mission St Br													X		X																						
57A145	Spokane R @ Trent Br															X																						
57A150	Spokane R @ Stateline Br	X	X	X	X	X	X	X				X	X	X		X				X														X	X	X	X	X
57A190	Spokane R nr Post Falls															X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
59A070	Colville R @ Kettle Falls		X	X	X	X	X	X	X	X	X	X	X		X			X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	
59A080	Colville R abv Kettle Falls																																					X
59A110	Colville R @ Blue Creek																		X																			
59A130	Colville R @ Chewelah																		X																			
60A050	Kettle R @ Hedlund Bridge										X																											
60A070	Kettle R nr Barstow		X	X	X	X	X	X	X			X	X		X			X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X
61A070	Columbia R @ Northport (USGS)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						X	X	X	X	X
61B070	Deep Ck nr Mouth																																			X		
61C070	Onion Cr nr Northport																																					X
61D070	Sheep Cr nr Northport																																					X
62A070	Pend Oreille R @ Waneta BC (USGS)					X	X	X																														
62A080	Pend Oreille R @ Border (USGS)																X	X	X	X	X	X	X	X	X	X	X	X										
62A090	Pend Oreille @ Metaline Falls	X	X	X	X																																X	X
62A150	Pend Oreille R @ Newport	X	X	X	X	X	X	X	X										X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Appendix B

Wateryear 1994 Raw Data for Ecology's River and Stream Ambient Monitoring Program

01A050 7301A050 12213140
NOOKSACK RIVER AT BRENNAN
48 49 10.0 122 34 43.0 2F 0 Elev= 0 ft
53073 Washington Whatcom Co. PACIFIC NORTHWEST
PUGET SOUND (Nooksack-01) 131101
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 01-01-04 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1311022
MILES 0003.40 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU	410 T ALK CACO3 MG/L
93/10/19	1200		436061	10.7	775	911		126	10.8	95.0	7.80	
93/11/16	1300		476061	5.9	765	1490		113	12.0	95.3	7.60	
93/12/20	1145		526061	5.2	773	2530		108	12.7	98.1	7.60	
94/01/18	1210		36061	5.1	771	3650		94	11.9	92.0		
94/02/22	1235		86061	5.0	763	2590		113	12.7	99.0	7.60	
94/03/22	1210		126061	4.0	760	3640		99	12.3	93.8	7.40	
94/04/19	1235		166061	8.3	769	5510		60	10.9	91.4	7.30	
94/05/17	1230		206061	12.6	764	3080		81	11.4	106.2	7.30	
94/06/21	1150		256061	15.1	765	3280		80	9.8	96.1	7.30	
94/07/19	1215		296061	16.8	763	2230		75	9.7	98.8		
94/08/16	1210		336061	17.2	763	1390		90	9.9	101.7	7.60	
94/09/20	1240		386061	15.3	768	1160		107	9.9	97.1	7.50	

DATE FROM TO	TIME	DEPTH FEET	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L
93/10/19	1200				7.0	0.37	0.010K					0.293
93/11/16	1300				24.0	0.41	0.010K					0.329
93/12/20	1145				17.0	0.75	0.047					0.679
94/01/18	1210				28.0	0.67	0.025					0.586
94/02/22	1235				16.0	1.22	0.031					0.971
94/03/22	1210				29.0	0.92	0.024					0.713
94/04/19	1235				75.0	0.26	0.014					0.224
94/05/17	1230				10.0	0.10	0.010K					0.180
94/06/21	1150				16.0	0.17	0.010K					0.148
94/07/19	1215				17.0	0.12	0.010K					0.103
94/08/16	1210				18.0	0.14	0.010K					0.100
94/09/20	1240				31.0	0.22	0.010K					0.189

DATE FROM TO	TIME	DEPTH FEET	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L
93/10/19	1200		0.015	0.010K								
93/11/16	1300		0.024	0.010K								
93/12/20	1145		0.020	0.011								
94/01/18	1210		0.014	0.010K								
94/02/22	1235		0.028	0.013								
94/03/22	1210		0.014	0.010K								
94/04/19	1235		0.035	0.010K								
94/05/17	1230		0.010K	0.010K								
94/06/21	1150		0.014	0.010K								
94/07/19	1215		0.028	0.010K								
94/08/16	1210		0.026	0.010K								
94/09/20	1240		0.049	0.012								

DATE FROM TO	TIME	DEPTH FEET	1000 ARSENIC AS,DISS UG/L	1002 ARSENIC AS,TOT UG/L	1025 CADMIUM CD,DISS UG/L	1027 CADMIUM CD,TOT UG/L	1030 CHROMIUM CR,DISS UG/L	1034 CHROMIUM CR,TOT UG/L	1040 COPPER CU,DISS UG/L	1042 COPPER CU,TOT UG/L	1049 LEAD PB,DISS UG/L	1051 LEAD PB,TOT UG/L

DATE FROM TO	TIME	DEPTH FEET	1090 ZINC ZN,DISS UG/L	1092 ZINC ZN,TOT UG/L	1094 ZINC TOT REC UG/L	1113 CADMIUM TOT REC UG/L	1114 LEAD TOT REC UG/L	1118 CHROMIUM TOT REC UG/L	1119 COPPER TOT REC UG/L	31504 TOT COLI MFIM LES /100ML	31616 FEC COLI MFM-FCBR /100ML	31672 FECSTREP PC M-ENT /100ML
93/10/19	1200										37	
93/11/16	1300										96S	
93/12/20	1145										6	
94/01/18	1210										12	
94/02/22	1235										150	
94/03/22	1210										170S	
94/04/19	1235										160	
94/05/17	1230										27	
94/06/21	1150										32	
94/07/19	1215										22	
94/08/16	1210										45	
94/09/20	1240										68	

DATE FROM TO	TIME	DEPTH FEET	71900 MERCURY HG,TOTAL UG/L	71901 MERCURY TOT REC UG/L	82079 TURBIDTY LAB NTU
93/10/19	1200				2.6
93/11/16	1300				10.0
93/12/20	1145				4.1

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	71900 MERCURY HG,TOTAL UG/L	71901 MERCURY TOT REC UG/L	82079 TURBIDTY LAB NTU
94/01/18	1210				12.0
94/02/22	1235				9.3
94/03/22	1210				11.0
94/04/19	1235				29.0
94/05/17	1230				7.3
94/06/21	1150				8.6
94/07/19	1215				17.0
94/08/16	1210				22.0
94/09/20	1240				19.0

01E050 7301E050 12203550
WHATCOM CREEK AT BELLINGHAM
48 45 18.0 122 28 53.0 2F 0 Elev= 0 ft
53073 Washington Whatcom Co. PACIFIC NORTHWEST
PUGET SOUND (Nooksack-01) 131101
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 01-01-99 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM

INDEX 1311031
MILES 0000.25 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L
93/10/19	1240		436062	13.2	775		95	10.7	99.5	7.80	2.0	0.41
93/11/16	1415		476062	7.8	767		119	11.5	95.5	7.50	14.0	0.94
93/12/20	1220		526062	5.5	773		136	12.8	99.7	7.90	1.0K	0.82
94/01/18	1245		36062	6.1	772		74	12.5	98.9		2.0	0.46
94/02/22	1325		86062	5.7	763		74	12.4	98.3	7.60	62.0	1.04
94/03/22	1250		126062	6.2	760		70	12.2	98.3	7.60	5.0	0.68
94/04/19	1315		166062	11.3	768		90	10.7	96.3	7.60	2.0	0.60
94/05/17	1335		206062	16.2	763		90	10.8	108.7	7.90	1.0	0.31
94/06/21	1235		256062	17.3	765		69	9.7	99.6	7.60	5.0	0.31
94/07/19	1300		296062	20.1	763		87	9.2	100.1		4.0	0.35
94/08/16	1245		336062	20.8	763		78	9.2	101.4	7.90	3.0	0.29
94/09/20	1350		386062	18.5	767		88	9.5	99.7	7.80	3.0	0.24

DATE FROM TO	TIME	DEPTH FEET	610 NH3+NH4- N TOTAL MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	31504 TOT COLI MFIM LES /100ML	31616 FEC COLI MFM-FCBR /100ML	82079 TURBIDTY LAB NTU
93/10/19	1240		0.016				0.208	0.025	0.014		200	1.2
93/11/16	1415		0.054				0.520	0.090	0.031		8000J	34.0
93/12/20	1220		0.064				0.632	0.025	0.013		37	1.5
94/01/18	1245		0.011				0.331	0.013	0.010K		130X	1.7
94/02/22	1325		0.018				0.700	0.057	0.010K		74	16.0
94/03/22	1250		0.010K				0.497	0.010K	0.010K		12	2.8
94/04/19	1315		0.010K				0.499	0.010K	0.013		94	2.1
94/05/17	1335		0.010K				0.309	0.013	0.013		49	0.8
94/06/21	1235		0.010K				0.216	0.012	0.010K		85	2.6
94/07/19	1300		0.010K				0.200	0.027	0.010K		390	2.3
94/08/16	1245		0.010K				0.144	0.019	0.010		200	1.3
94/09/20	1350		0.010K				0.110	0.022	0.010K		560	2.1

03A060 5703A060 12200500 541035
SKAGIT RIVER NEAR MOUNT VERNON
48 26 42.0 122 20 03.0 2F 0 Elev= 0 ft
53057 Washington Skagit Co. PACIFIC NORTHWEST
PUGET SOUND (Lower Skagit-03) 131103
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 02-03-06 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1311082
MILES 0015.90 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	340 COD HI LEVEL MG/L
93/10/19	1340		436063	11.4	773	5570			60	11.0	98.5	
93/11/16	1510		476063	8.1	765	8510			60	11.4	95.6	
93/12/20	1335		526063	5.6	771	12600			61	12.4	97.0	
94/01/18	1330		36063	5.7	770	17500			59	12.1	95.0	
94/02/22	1405		86063	5.5	763	10400			65	12.6	99.4	
94/03/22	1345		126063	4.2	758	15600			58	12.4	95.1	
94/04/19	1410		166063	8.1	767	19700			40	11.3	94.5	
94/05/17	1445		206063	12.1	762	15300			46	10.1	93.2	
94/06/21	1350		256063	14.2	763	13500			44	10.3	99.3	
94/07/19	1355		296063	15.1	762	11700			41	10.3	101.4	
94/08/16	1335		336063	15.7	762	10600			46	10.1	100.7	
94/09/20	1440		386063	14.9	765	8560			54	10.4	101.6	

DATE FROM TO	TIME	DEPTH FEET	400 PH SU	405 CO2 MG/L	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	605 ORG N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L
93/10/19	1340		7.60					4.0	0.15		0.011	
93/11/16	1510		7.50					7.0	0.14		0.010K	
93/12/20	1335		7.80					9.0	0.27		0.045	
94/01/18	1330							12.0	0.24		0.010K	
94/02/22	1405		7.50					7.0	0.32		0.012	
94/03/22	1345		7.40					13.0	0.27		0.010K	
94/04/19	1410		7.40					18.0	0.12		0.010K	
94/05/17	1445		7.30					7.0	0.01K		0.010K	
94/06/21	1350		7.50					6.0	0.08		0.010K	
94/07/19	1355							13.0	0.08		0.010K	
94/08/16	1335		7.60					146.0	0.09		0.010K	
94/09/20	1440		7.50					36.0	0.08		0.010K	

DATE FROM TO	TIME	DEPTH FEET	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	680 T ORG C C MG/L	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L P	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	680 T ORG C C MG/L	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L
93/10/19	1340					0.086		0.010K	0.010K			
93/11/16	1510					0.085		0.010K	0.010K			
93/12/20	1335					0.204		0.010K	0.010K			
94/01/18	1330					0.201		0.010K	0.010K			
94/02/22	1405					0.256		0.011	0.010K			
94/03/22	1345					0.214		0.010K	0.010K			
94/04/19	1410					0.113		0.010K	0.010K			
94/05/17	1445					0.105		0.010K	0.010K		22	
94/06/21	1350					0.060		0.010K	0.010K			
94/07/19	1355					0.047		0.014	0.010K		20	
94/08/16	1335					0.051		0.103	0.010K			
94/09/20	1440					0.042		0.026	0.010K			

DATE FROM TO	TIME	DEPTH FEET	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	931 SODIUM ADSBTION RATIO	932 PERCENT SODIUM %	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L

DATE FROM TO	TIME	DEPTH FEET	978 ARSENIC TOT REC UG/L	1000 ARSENIC AS,DISS UG/L	1005 BARIUM BA,DISS UG/L	1020 BORON B,DISS UG/L	1025 CADMIUM CD,DISS UG/L	1030 CHROMIUM CR,DISS UG/L	1040 COPPER CU,DISS UG/L	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L	1065 NICKEL NI,DISS UG/L
94/05/17	1445		30.0U				0.04U		0.3P		0.0P	1U
94/07/19	1355		30.0U				0.04U		0.3P		0.0U	1U
94/09/20	1440		30.0U				0.04U		0.3P		0.0U	1U

DATE FROM TO	TIME	DEPTH FEET	1075 SILVER AG,DISS UG/L	1090 ZINC ZN,DISS UG/L	1118 CHROMIUM TOT REC UG/L	1145 SELENIUM SE,DISS UG/L	31501 TOT COLI MFIMENDO /100ML	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML	31507 TOT COLI MPN COMP /100ML	31616 FEC COLI MFM-FCBR /100ML	31625 FEC COLI M-FCAGAD /100 ML
93/10/19	1340										4	
93/11/16	1510										15	
93/12/20	1335										1	
94/01/18	1330										2	
94/02/22	1405										15	
94/03/22	1345										22	
94/04/19	1410										21	
94/05/17	1445			1U	5.0U						15	
94/06/21	1350										1	
94/07/19	1355			9P	5.0U						1	
94/08/16	1335										31	
94/09/20	1440			1U	5.0U						59	

DATE FROM TO	TIME	DEPTH FEET	31672 FECSTREP PC M-ENT /100ML	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L	70302 DISS SOL TONS/DAY	70303 DISS SOL TONS PER ACRE-FT	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	31672 FECSTREP PC M-ENT /100ML	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L	70302 DISS SOL TONS/DAY	70303 DISS SOL TONS PER ACRE-FT	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
93/10/19	1340								2.4
93/11/16	1510								1.9
93/12/20	1335								1.9
94/01/18	1330								4.0
94/02/22	1405								2.8
94/03/22	1345								3.6
94/04/19	1410								6.1
94/05/17	1445							0.00U	2.5
94/06/21	1350								2.1
94/07/19	1355							0.00U	7.0
94/08/16	1335								60.0
94/09/20	1440							0.00U	15.0

04A100 5704A100 12181000 541038
SKAGIT RIVER AT MARBLEMOUNT
48 31 35.0 121 25 40.0 2F 0 Elev= 0 ft
53057 Washington Skagit Co. PACIFIC NORTHWEST
PUGET SOUND (Upper Skagit-04) 131104
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 02-04-07 Class= AA Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1311082
MILES 0078.20 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU
93/10/19	0950		436060	9.5	767	3560			47	11.1	95.9	7.50
93/11/16	1005		476060	8.0	755	3250			53	11.5	97.4	7.60
93/12/20	0936		526060	5.5	765	4680			57	12.2	95.9	7.60
94/01/18	1010		36060	5.3	763	8400			59	12.2	95.7	
94/02/22	1025		86060	5.6	758	6000			59	12.2	97.0	7.50
94/03/22	1010		126060	3.4	753	5310			57	12.7	96.1	7.40
94/04/19	1030		166060	5.0	761	7630			35	12.3	96.0	7.20
94/05/17	1025		206060	8.1	755	4650			40	11.8	100.3	7.30
94/06/21	0945		256060	9.4	758	4340			35	11.7	102.1	7.10
94/07/19	1000		296060	11.0	756	4960			37	11.1	100.8	
94/08/16	1010		336060	11.4	756	4270			44	11.1	101.7	7.50
94/09/20	1030		386060	11.4	761	4250			54	11.2	101.9	7.40

DATE FROM TO	TIME	DEPTH FEET	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	630 NO2+NO3 N-TOTAL MG/L
93/10/19	0950					2.0	0.21	0.011				0.093
93/11/16	1005					1.0K	0.12	0.010K				0.086
93/12/20	0936					1.0K	0.16	0.022				0.098
94/01/18	1010					3.0	0.11	0.010K				0.084
94/02/22	1025					1.0	0.12	0.010K				0.081
94/03/22	1010					1.0	0.14	0.010K				0.088
94/04/19	1030					2.0	0.09	0.010				0.096
94/05/17	1025					1.0K	0.01K	0.010K				0.092
94/06/21	0945					1.0	0.06	0.010K				0.057
94/07/19	1000					2.0	0.07	0.010K				0.054
94/08/16	1010					2.0	0.08	0.010K				0.057
94/09/20	1030					1.0	0.07	0.010K				0.064

DATE FROM TO	TIME	DEPTH FEET	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	931 SODIUM ADSBTION RATIO	932 PERCENT SODIUM %

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	931 SODIUM ADSBTION RATIO	932 PERCENT SODIUM %
93/10/19	0950			0.010K	0.010K							
93/11/16	1005			0.010K	0.010K							
93/12/20	0936			0.010K	0.010K							
94/01/18	1010			0.010K	0.010K							
94/02/22	1025			0.010K	0.010K							
94/03/22	1010			0.010K	0.010K							
94/04/19	1030			0.010K	0.014							
94/05/17	1025			0.010K	0.010K	22						
94/06/21	0945			0.010K	0.010K							
94/07/19	1000			0.010K	0.010K	17						
94/08/16	1010			0.010K	0.010K							
94/09/20	1030			0.010K	0.010K							

DATE FROM TO	TIME	DEPTH FEET	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	978 ARSENIC TOT REC UG/L	1020 BORON B,DISS UG/L	1025 CADMIUM CD,DISS UG/L	1030 CHROMIUM CR,DISS UG/L	1040 COPPER CU,DISS UG/L
94/05/17	1025							30.0U		0.04U		0.4P
94/07/19	1000							30.0U		0.04U		0.2P
94/09/20	1030							30.0U		0.04U		0.2P

DATE FROM TO	TIME	DEPTH FEET	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L	1065 NICKEL NI,DISS UG/L	1090 ZINC ZN,DISS UG/L	1118 CHROMIUM TOT REC UG/L	31501 TOT COLI MFIMENDO /100ML	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L
93/10/19	0950									17		
93/11/16	1005									1		
93/12/20	0936									2		
94/01/18	1010									1K		
94/02/22	1025									1		
94/03/22	1010									1K		
94/04/19	1030									2		
94/05/17	1025			0.1P	1U	2P	5.0U			1K		
94/06/21	0945									4		
94/07/19	1000			0.0U	1U	1U	5.0U			1		
94/08/16	1010									5		
94/09/20	1030			0.0U	1U	1U	5.0U			1		

DATE FROM TO	TIME	DEPTH FEET	70302 DISS SOL TONS/DAY	70303 DISS SOL TONS PER ACRE-FT	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	70302 DISS SOL TONS/DAY	70303 DISS SOL TONS PER ACRE-FT	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
93/10/19	0950					0.7
93/11/16	1005					0.6
93/12/20	0936					0.5
94/01/18	1010					0.5
94/02/22	1025					0.5K
94/03/22	1010					0.5K
94/04/19	1030					1.0
94/05/17	1025				0.00U	0.8
94/06/21	0945					0.5
94/07/19	1000				0.00U	1.1
94/08/16	1010					1.5
94/09/20	1030				0.00U	1.6

05A070 6105A070 12167700 541039
STILLAGUAMISH RIVER NEAR SILVANA
48 11 50.0 122 12 34.0 2F 0 Elev= 0 ft
53061 Washington Snohomish Co. PACIFIC NORTHWEST
PUGET SOUND (Stillaguamish-05) 131105
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 03-05-02 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1311106
MILES 0011.10 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU
93/10/19	1430		436064	11.7	773				74	10.6	95.6	7.80
93/11/16	1540		476064	6.0	766				58	12.0	95.5	7.30
93/12/20	1415		526064	4.4	770	2230			64	13.2	100.3	7.40
94/01/18	1420		36064	5.5	769	4000			48	12.3	96.2	
94/02/22	1455		86064	5.4	763	3000			51	12.2	95.9	7.40
94/03/22	1510		126064	4.1	758	3750			47	12.5	95.7	7.30
94/04/19	1530		166064	9.3	766	3350			32	11.4	98.2	7.40
94/05/17	1535		206064	12.7	763	2230			50	11.1	103.7	7.50
94/06/21	1450		256064	16.4	763	2470			48	10.0	101.0	7.30
94/07/19	1525		296064	20.8	762	960			36	10.3	113.7	
94/08/16	1510		336064	20.6	760	380			98	9.9	109.1	7.80
94/09/20	1550		386064	15.6	764	660			74	9.9	98.3	7.50

DATE FROM TO	TIME	DEPTH FEET	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L
93/10/19	1430					4.0	0.39	0.019				
93/11/16	1540					22.0	0.36	0.017				
93/12/20	1415					4.0	0.64	0.050				
94/01/18	1420					15.0	0.45	0.011				
94/02/22	1455					19.0	0.69	0.022				
94/03/22	1510					11.0	0.53	0.010K				
94/04/19	1530					14.0	0.19	0.010K				
94/05/17	1535					5.0	0.10	0.011				
94/06/21	1450					4.0	0.20	0.010K				
94/07/19	1525					2.0	0.12	0.010K				
94/08/16	1510					7.0	0.28	0.010K				
94/09/20	1550					4.0	0.23	0.010K				

DATE FROM TO	TIME	DEPTH FEET	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L
93/10/19	1430		0.279		0.010K	0.010K						
93/11/16	1540		0.249		0.026	0.010K						
93/12/20	1415		0.553		0.010K	0.010K						
94/01/18	1420		0.392		0.010	0.010K						
94/02/22	1455		0.589		0.023	0.010K						
94/03/22	1510		0.390		0.010K	0.010K						
94/04/19	1530		0.169		0.010K	0.010K						
94/05/17	1535		0.162		0.010K	0.010K	21					
94/06/21	1450		0.152		0.010K	0.010K						
94/07/19	1525		0.078		0.010K	0.010K	31					
94/08/16	1510		0.151		0.010K	0.010K						
94/09/20	1550		0.190		0.010K	0.010K						

DATE FROM TO	TIME	DEPTH FEET	936 PTSSIUM K,SUSP MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	978 ARSENIC TOT REC UG/L	1000 ARSENIC AS,DISS UG/L	1020 BORON B,DISS UG/L	1025 CADMIUM CD,DISS UG/L	1030 CHROMIUM CR,DISS UG/L
94/05/17	1535							30.0U			0.04U	
94/07/19	1525							30.0U			0.04U	
94/09/20	1550							30.0U			0.04U	

DATE FROM TO	TIME	DEPTH FEET	1040 COPPER CU,DISS UG/L	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L	1065 NICKEL NI,DISS UG/L	1080 STRONTUM SR,DISS UG/L	1090 ZINC ZN,DISS UG/L	1118 CHROMIUM TOT REC UG/L	1130 LITHIUM LI,DISS UG/L	31501 TOT COLI MFIMENDO /100ML	31504 TOT COLI MFIM LES /100ML
94/05/17	1535		0.7		0.1P	1		1P	5.0U			
94/07/19	1525		0.9		0.1P	1P		2P	5.0U			
94/09/20	1550		0.5P		0.0U	1U		1U	5.0U			

DATE FROM TO	TIME	DEPTH FEET	31505 TOT COLI MPN CONF /100ML	31507 TOT COLI MPN COMP /100ML	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L	71850 NITRATE TOT-NO3 MG/L	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
93/10/19	1430				63				1.7
93/11/16	1540				44S				29.0
93/12/20	1415				1				2.3
94/01/18	1420				8				8.0
94/02/22	1455				91				15.0
94/03/22	1510				7				8.4
94/04/19	1530				8				8.0
94/05/17	1535				23S			0.00U	5.6
94/06/21	1450				10				3.1

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	31505 TOT COLI MPN CONF /100ML	31507 TOT COLI MPN COMP /100ML	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L	71850 NITRATE TOT-NO3 MG/L	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
94/07/19	1525				14			0.00U	1.0
94/08/16	1510				30				1.1
94/09/20	1550				130			0.00P	1.5

07A090 6107A090 12155500 541042
SNOHOMISH RIVER AT SNOHOMISH
47 54 38.0 122 05 52.0 2F 0 Elev= 0 ft
53061 Washington Snohomish Co. PACIFIC NORTHWEST
PUGET SOUND (Snohomish-07) 131107
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 03-07-10 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1311116
MILES 0012.70 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	340 COD HI LEVEL MG/L
93/10/19	0740		436059	11.8	774	2130			51	10.1	91.1	
93/11/16	0730		476059	6.5	767	2940			54	11.6	93.3	
93/12/20	1500		526059	4.7	771	5800			49	12.8	97.8	
94/01/18	0810		36059	5.3	773	9090J			37	12.0	92.9	
94/02/22	0810		86059	5.5	767	6730J			50	12.6	98.8	
94/03/22	0750		126059	3.8	762	11400			40	12.3	92.9	
94/04/19	0810		166059	8.1	771	15440			25	11.0	91.5	
94/05/17	0720		206059	10.1	765	7950			35	10.9	95.8	
94/06/21	0725		256059	13.6	769	8380			30	10.1	95.4	
94/07/19	0800		296059	18.1	768	3390			42	8.9	92.5	
94/08/16	0740		336059	19.5	766	1770			56	8.7	93.1	
94/09/20	0720		386059	15.5	771				50	9.5	93.3	

DATE FROM TO	TIME	DEPTH FEET	400 PH SU	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	605 ORG N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L
93/10/19	0740		7.10				5.0	0.39		0.029		
93/11/16	0730		7.50				3.0	0.35		0.042		
93/12/20	1500		7.40				4.0	0.64		0.035		
94/01/18	0810						7.0	0.44		0.019		
94/02/22	0810		7.30				5.0	0.84		0.033		
94/03/22	0750		7.20				9.0	0.65		0.012		
94/04/19	0810		6.90				23.0	0.21		0.010K		
94/05/17	0720		7.40				3.0	0.07		0.010K		
94/06/21	0725		7.20				6.0	0.15		0.010K		
94/07/19	0800						2.0	0.16		0.010K		
94/08/16	0740		7.30				3.0	0.18		0.010K		
94/09/20	0720		7.00				2.0	0.27		0.010K		

DATE FROM TO	TIME	DEPTH FEET	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L
93/10/19	0740				0.248		0.018	0.010K				
93/11/16	0730				0.255		0.010K	0.010K				
93/12/20	1500				0.580		0.010	0.010K				
94/01/18	0810				0.367		0.010K	0.010K				
94/02/22	0810				0.670		0.017	0.010K				
94/03/22	0750				0.476		0.010K	0.010K				
94/04/19	0810				0.188		0.010K	0.010K				
94/05/17	0720				0.154		0.010K	0.010K				
94/06/21	0725				0.121		0.010K	0.010K				
94/07/19	0800				0.108		0.010K	0.010K				
94/08/16	0740				0.116		0.010K	0.010K				
94/09/20	0720				0.298		0.010K	0.010K				

DATE FROM TO	TIME	DEPTH FEET	930 SODIUM NA,DISS MG/L	931 SODIUM ADSBTION RATIO	932 PERCENT SODIUM %	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1000 ARSENIC AS,DISS UG/L	1002 ARSENIC AS,TOT UG/L

DATE FROM TO	TIME	DEPTH FEET	1020 BORON B,DISS UG/L	1025 CADMIUM CD,DISS UG/L	1027 CADMIUM CD,TOT UG/L	1030 CHROMIUM CR,DISS UG/L	1034 CHROMIUM CR,TOT UG/L	1040 COPPER CU,DISS UG/L	1042 COPPER CU,TOT UG/L	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L	1051 LEAD PB,TOT UG/L

DATE FROM TO	TIME	DEPTH FEET	1065 NICKEL NI,DISS UG/L	1080 STRONTUM SR,DISS UG/L	1090 ZINC ZN,DISS UG/L	1092 ZINC ZN,TOT UG/L	1094 ZINC TOT REC UG/L	1113 CADMIUM TOT REC UG/L	1114 LEAD TOT REC UG/L	1118 CHROMIUM TOT REC UG/L	1119 COPPER TOT REC UG/L	1130 LITHIUM LI,DISS UG/L

DATE FROM TO	TIME	DEPTH FEET	31501 TOT COLI MFIMENDO /100ML	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L	70303 DISS SOL TONS PER ACRE-FT	71900 MERCURY HG,TOTAL UG/L	71901 MERCURY TOT REC UG/L	82079 TURBIDTY LAB NTU
93/10/19	0740					220					1.8
93/11/16	0730					80S					1.7
93/12/20	1500					60					2.0
94/01/18	0810					31					2.6
94/02/22	0810					93					3.0
94/03/22	0750					35					5.5
94/04/19	0810					35					7.9
94/05/17	0720					80S					2.3

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	31501 TOT COLI MFIMENDO /100ML	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L	70303 DISS SOL TONS PER ACRE-FT	71900 MERCURY HG,TOTAL UG/L	71901 MERCURY TOT REC UG/L	82079 TURBIDTY LAB NTU
94/06/21	0725					33					2.0
94/07/19	0800					53					1.1
94/08/16	0740					73					1.0
94/09/20	0720					88					1.5

08B070 3308B070 12126500 541049
SAMMAMISH RIVER AT BOTHELL
47 45 32.0 122 12 09.0 2F 0 Elev= 0 ft
53033 Washington King Co. PACIFIC NORTHWEST
PUGET SOUND (Cedar-08) 131108
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 04-08-02 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1311141
MILES 0020.40 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU
93/10/18	1330		436057	12.5	769	118			144	9.4	86.7	7.60
93/11/15	1300		476057	7.8	762	116			192	10.5	87.8	7.40
93/12/19	1230		526057	5.9	771	409			120	10.8	85.1	7.40
94/01/17	1300		36057	7.5	775	354			123	10.5	85.7	
94/02/21	1245		86057	7.4	761	610			105	11.8	97.9	7.30
94/03/21	1300		126057	6.2	764	590			116	11.5	92.2	7.60
94/04/18	1215		166057	10.7	766	409			109	10.6	94.4	7.60
94/05/16	1350		206057	15.4	758	190			138	9.4	93.6	7.40
94/06/20	1230		256057	17.9	764	170			135	9.4	97.8	7.60
94/07/18	1220		296057	20.5	766	85			152	8.6	93.9	
94/08/15	1305		336057	20.2	766	60			166	8.6	93.4	7.50
94/09/19	1345		386057	18.6	768	80			171	8.1	85.1	7.30

DATE FROM TO	TIME	DEPTH FEET	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L
93/10/18	1330					7.0	0.73	0.045				
93/11/15	1300					8.0	0.71	0.045				
93/12/19	1230					7.0	1.08	0.046				
94/01/17	1300					9.0	0.82	0.034				
94/02/21	1245					25.0	1.30	0.033				
94/03/21	1300					22.0	1.01	0.019				
94/04/18	1215					6.0	0.63	0.010K				
94/05/16	1350					4.0	0.58	0.021				
94/06/20	1230					4.0	0.53	0.010K				
94/07/18	1220					5.0	0.49	0.016				
94/08/15	1305					6.0	0.46	0.015				
94/09/19	1345					4.0	0.60	0.037				

DATE FROM TO	TIME	DEPTH FEET	630 NO2+NO3 N-TOTAL MG/L	650 T PO4 PO4 MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	630 NO2+NO3 N-TOTAL MG/L	650 T PO4 PO4 MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L
93/10/18	1330		0.394			0.059	0.031					
93/11/15	1300		0.451			0.047	0.025					
93/12/19	1230		0.745			0.039	0.017					
94/01/17	1300		0.560			0.033	0.020					
94/02/21	1245		0.878			0.065	0.018					
94/03/21	1300		0.662			0.047	0.012					
94/04/18	1215		0.391			0.020	0.012					
94/05/16	1350		0.418			0.042	0.022					
94/06/20	1230		0.289			0.032	0.010K					
94/07/18	1220		0.222			0.055	0.024					
94/08/15	1305		0.220			0.065	0.031					
94/09/19	1345		0.327			0.053	0.030					

DATE FROM TO	TIME	DEPTH FEET	931 SODIUM ADSBTION RATIO	932 PERCENT SODIUM %	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1000 ARSENIC AS,DISS UG/L	1020 BORON B,DISS UG/L	1034 CHROMIUM CR,TOT UG/L

DATE FROM TO	TIME	DEPTH FEET	1040 COPPER CU,DISS UG/L	1045 IRON FE,TOT UG/L	1080 STRONTUM SR,DISS UG/L	1090 ZINC ZN,DISS UG/L	1130 LITHIUM LI,DISS UG/L	31501 TOT COLI MFIMENDO /100ML	31503 TOT COLI MFDLENDO /100ML	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML	31507 TOT COLI MPN COMP /100ML

DATE FROM TO	TIME	DEPTH FEET	31616 FEC COLI MFM-FCBR /100ML	31672 FECSTREP PC M-ENT /100ML	70300 RESIDUE DISS-180 C MG/L	70303 DISS SOL TONS PER ACRE-FT	71851 NITRATE DISS-NO3 MG/L	82079 TURBIDTY LAB NTU
93/10/18	1330		220					4.2
93/11/15	1300		130S					4.5
93/12/19	1230		92S					4.8
94/01/17	1300		120					5.1
94/02/21	1245		180					14.0
94/03/21	1300		79S					8.7
94/04/18	1215		44					3.0
94/05/16	1350		270S					3.5
94/06/20	1230		110					2.8
94/07/18	1220		170					3.0
94/08/15	1305		96					3.1
94/09/19	1345		220					2.7

08B110 3308B110 12124998
SAMMAMISH RIVER AT REDMOND
47 40 15.0 122 07 35.0 2F 0 Elev= 0 ft
53033 Washington King Co. PACIFIC NORTHWEST
PUGET SOUND (Cedar-08) 131108
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 04-08-02 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM

INDEX 1311141
MILES 0028.65 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU	530 RESIDUE TOT-NFLT MG/L
93/10/18	1230		436056	12.8	769	46		114	10.5	97.5	7.70	2.0
93/11/15	1215		476056	8.4	762	45		154	10.8	91.6	7.50	3.0
93/12/19	1200		526056	5.5	771	152		104	11.2	87.4	7.70	7.0
94/01/17	1215		36056	7.2	775	149		106	11.3	91.5		6.0
94/02/21	1140		86056	7.2	760	265		90	11.0	92.2	7.60	11.0
94/03/21	1215		126056	6.4	763	296		107	12.3	99.2	7.90	13.0
94/04/18	1130		166056	10.6	766	164		94	12.0	106.6	8.30	6.0
94/05/16	1230		206056	15.0	758	100		115	10.6	104.7	8.00	4.0
94/06/20	1140		256056	18.2	764	73		110	10.8	113.0	8.00	4.0
94/07/18	1145		296056	20.9	767	30		176	9.1	100.1		3.0
94/08/15	1215		336056	20.2	766	12		124	9.7	105.4	7.80	3.0
94/09/19	1310		386056	18.0	768	15		129	10.7	111.0	7.80	5.0

DATE FROM TO	TIME	DEPTH FEET	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	630 NO2+NO3 N-TOTAL MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	31504 TOT COLI MFIM LES /100ML	31616 FEC COLI MFM-FCBR /100ML	82079 TURBIDTY LAB NTU
93/10/18	1230		0.53	0.029	0.239	0.034	0.019		130	1.9
93/11/15	1215		0.55	0.021	0.315	0.030	0.019		63	2.2
93/12/19	1200		0.84	0.045	0.600	0.033	0.015		92	3.7
94/01/17	1215		0.71	0.020	0.484	0.022	0.017		17	3.0
94/02/21	1140		0.99	0.013	0.682	0.035	0.014		72	5.3
94/03/21	1215		0.96	0.014	0.540	0.045	0.010K		120S	3.4
94/04/18	1130		0.55	0.010K	0.359	0.017	0.010		20	1.7
94/05/16	1230		0.48	0.020	0.354	0.022	0.015		210S	2.4
94/06/20	1140		0.30	0.010K	0.150	0.011	0.010K		84	1.7
94/07/18	1145		0.28	0.010K	0.105	0.022	0.010K		120	1.4
94/08/15	1215		0.23	0.010K	0.085	0.029	0.012		230	1.6
94/09/19	1310		0.37	0.010K	0.166	0.032	0.013		200	2.6

08B130 3308B130 12121600 541050
ISSAQUAH CREEK NEAR ISSAQUAH
47 33 09.0 122 02 48.0 2F 0 Elev= 0 ft
53033 Washington King Co. PACIFIC NORTHWEST
PUGET SOUND (Cedar-08) 131108
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 04-08-02 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM

INDEX 1311141
MILES 0033.60

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU
93/10/18	1150		436055	9.9	770				124	10.6	92.2	7.70
93/11/15	1140		476055	7.8	761				174	11.4	95.4	7.60
93/12/19	1125		526055	4.6	771				107	12.9	98.4	7.60
94/01/17	1135		36055	7.0	775				95	11.9	95.9	
94/02/21	1110		86055	6.9	760				86	12.7	104.1	7.40
94/03/21	1115		126055	5.2	763				91	12.0	94.0	7.60
94/04/18	1045		166055	9.6	766				90	10.7	92.9	7.40
94/05/16	1125		206055	11.9	759				113	11.4	105.2	7.80
94/06/20	1100		256055	13.1	765				109	10.9	102.5	7.70
94/07/18	1100		296055	15.3	766				132	10.3	101.3	
94/08/15	1135		336055	16.5	765				136	11.4	115.1	8.40
94/09/19	1210		386055	15.5	768				143	11.4	112.3	7.90

DATE FROM TO	TIME	DEPTH FEET	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L
93/10/18	1150					7.0	1.09	0.084				0.824
93/11/15	1140					4.0	0.94	0.050				0.782
93/12/19	1125					5.0	1.80	0.056				1.650
94/01/17	1135					7.0	1.80	0.015				1.640
94/02/21	1110					12.0	2.17	0.011				1.950
94/03/21	1115					16.0	2.17	0.010K				1.490
94/04/18	1045					8.0	1.32	0.010K				1.410
94/05/16	1125					4.0	0.97	0.016				0.885
94/06/20	1100					5.0	0.87	0.010K				0.786
94/07/18	1100					4.0	0.83	0.010K				0.711
94/08/15	1135					4.0	0.61	0.010K				0.503
94/09/19	1210					7.0	0.81	0.016				0.695

DATE FROM TO	TIME	DEPTH FEET	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L
93/10/18	1150			0.047	0.025							
93/11/15	1140			0.029	0.024							
93/12/19	1125			0.022	0.012							
94/01/17	1135			0.014	0.012							
94/02/21	1110			0.021	0.010							
94/03/21	1115			0.021	0.010K							
94/04/18	1045			0.017	0.011							
94/05/16	1125			0.031	0.020							
94/06/20	1100			0.015	0.010K							
94/07/18	1100			0.022	0.012							
94/08/15	1135			0.017	0.010K							
94/09/19	1210			0.027	0.014							

DATE FROM TO	TIME	DEPTH FEET	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1020 BORON B,DISS UG/L	1030 CHROMIUM CR,DISS UG/L	1040 COPPER CU,DISS UG/L	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L	1090 ZINC ZN,DISS UG/L	31501 TOT COLI MFIMENDO /100ML
93/10/18	1150											
93/11/15	1140											
93/12/19	1125											
94/01/17	1135											
94/02/21	1110											
94/03/21	1115											
94/04/18	1045											
94/05/16	1125											
94/06/20	1100											
94/07/18	1100											
94/08/15	1135											
94/09/19	1210											

DATE FROM TO	TIME	DEPTH FEET	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML	31672 FECSTREP PC M-ENT /100ML	70300 RESIDUE DISS-180 C MG/L	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
93/10/18	1150				75				2.7
93/11/15	1140				92				1.4
93/12/19	1125				20				1.9
94/01/17	1135				39				3.0
94/02/21	1110				67				4.0
94/03/21	1115				110S				6.4
94/04/18	1045				52				3.3
94/05/16	1125				180S				2.4
94/06/20	1100				180				1.8
94/07/18	1100				250				1.3
94/08/15	1135				240				1.3
94/09/19	1210				320				2.7

08C070 3308C070 12119007 541047
CEDAR R AT LOGAN ST BR AT RENTON
47 29 09.0 122 12 28.0 2F 0 Elev= 0 ft
53033 Washington King Co. PACIFIC NORTHWEST
PUGET SOUND (Cedar-08) 131108
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 04-08-03 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1311141 000040 00100
MILES 0009.35 0011.50 001.00 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU
93/10/18	1110		436054	10.1	771	370			68	11.8	102.9	7.70
93/11/15	1100		476054	8.3	762	448			89	11.6	98.1	7.60
93/12/19	1050		526054	4.8	772	403			66	12.8	98.0	7.70
94/01/17	1055		36054	6.2	776	846			52	12.3	97.0	
94/02/21	1040		86054	7.0	760	364			75	12.2	100.3	7.50
94/03/21	1045		126054	5.2	763	989			58	12.3	96.3	7.60
94/04/18	1010		166054	7.5	767	928			48	11.5	94.8	7.20
94/05/16	1035		206054	11.5	760	343			72	12.0	109.6	7.90
94/06/20	1025		256054	13.3	766	359			73	11.3	106.6	7.60
94/07/18	1030		296054	15.0	767	197			78	10.4	101.5	
94/08/15	1050		336054	15.7	766	129			86	11.1	110.1	7.90
94/09/19	1120		386054	14.6	769	192			87	11.5	111.0	7.40

DATE FROM TO	TIME	DEPTH FEET	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L
93/10/18	1110				4.0	0.25	0.010K					0.189
93/11/15	1100				4.0	0.28	0.024					0.194
93/12/19	1050				2.0	0.49	0.039					0.423
94/01/17	1055				7.0	0.43	0.010K					0.323
94/02/21	1040				4.0	0.76	0.010K					0.643
94/03/21	1045				12.0	0.56	0.010K					0.421
94/04/18	1010				5.0	0.27	0.010K					0.256
94/05/16	1035				3.0	0.16	0.010K					0.201
94/06/20	1025				4.0	0.21	0.010K					0.188
94/07/18	1030				4.0	0.20	0.010K					0.163
94/08/15	1050				3.0	0.21	0.010K					0.143
94/09/19	1120				4.0	0.23	0.010K					0.189

DATE FROM TO	TIME	DEPTH FEET	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L
93/10/18	1110			0.013	0.010K							
93/11/15	1100			0.014	0.010							
93/12/19	1050			0.013	0.010K							
94/01/17	1055			0.010K	0.010K							
94/02/21	1040			0.014	0.010K							
94/03/21	1045			0.010	0.010K							
94/04/18	1010			0.010K	0.010K							
94/05/16	1035			0.010K	0.010K							
94/06/20	1025			0.010K	0.010K							
94/07/18	1030			0.018	0.010K							
94/08/15	1050			0.010K	0.010K							
94/09/19	1120			0.010K	0.010K							

DATE FROM TO	TIME	DEPTH FEET	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1020 BORON B,DISS UG/L	1030 CHROMIUM CR,DISS UG/L	1040 COPPER CU,DISS UG/L	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L	1090 ZINC ZN,DISS UG/L	31504 TOT COLI MFIM LES /100ML

DATE FROM TO	TIME	DEPTH FEET	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
93/10/18	1110			80			0.8
93/11/15	1100			25S			1.9
93/12/19	1050			19			0.7
94/01/17	1055						1.8
94/02/21	1040			13			0.8
94/03/21	1045			39			2.5
94/04/18	1010			25			1.6
94/05/16	1035			120			1.7
94/06/20	1025			44			1.0
94/07/18	1030			650			1.0
94/08/15	1050			100			0.6
94/09/19	1120			92			0.9

08C080 3308C080
Cedar R @ Maplewood
47 28 10.0 122 09 31.0 2F000 Elev= 0 ft
53033 Washington King Co. PACIFIC NORTHWEST
PUGET SOUND (Cedar-08) 131108
21540000 Reach=17110012012 0.000 Drg= 0 sqmi
AMBNT/STREAM

INDEX 1311141 000040 00100
MILES 0009.35 0011.50 004.10 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L
93/10/18	1015		436053	10.0	769	1670	65	11.4	99.4	7.60	2.0	0.25
93/11/15	1035		476053	8.2	761	393	85	11.5	97.2	7.30	1.0	0.23
93/12/19	1025		526053	4.8	771	368	63	12.8	98.1	7.60	2.0	0.46
94/01/17	1025		36053	6.1	775	824	50	12.1	95.4		5.0	0.38
94/02/21	1015		86053	7.0	757	355	71	11.7	96.5	7.30	3.0	0.75
94/03/21	1005		126053	5.1	761	393	56	12.2	95.4	7.50	8.0	0.43
94/04/18	0945		166053	7.3	766	866	46	11.5	94.5	7.20	4.0	0.26
94/05/16	0935		206053	11.2	759	350	69	11.6	105.4	7.60	2.0	0.15
94/06/20	0955		256053	12.6	764	350	68	11.2	104.2	7.60	3.0	0.21
94/07/18	1000		296053	14.7	766	250	75	10.3	100.1		3.0	0.21
94/08/15	1010		336053	14.7	765	180	89	10.7	104.0	7.80	2.0	0.18
94/09/19	1030		386053	13.9	768	200	84	11.0	104.8	6.90	3.0	0.26

DATE FROM TO	TIME	DEPTH FEET	610 NH3+NH4- N TOTAL MG/L	630 NO2+NO3 N-TOTAL MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	31616 FEC COLI MFM-FCBR /100ML	82079 TURBIDTY LAB NTU
93/10/18	1015		0.010K	0.187	0.012	0.010K	45	0.9
93/11/15	1035		0.012	0.178	0.010K	0.010K	20	0.9
93/12/19	1025		0.018	0.404	0.012	0.010K	9	0.6
94/01/17	1025		0.010K	0.317	0.010K	0.010K	8	1.8
94/02/21	1015		0.012	0.626	0.013	0.010K	24	1.1
94/03/21	1005		0.010K	0.359	0.012	0.010K	17	2.4
94/04/18	0945		0.010K	0.244	0.010K	0.010K	29	1.3
94/05/16	0935		0.010K	0.202	0.010K	0.010K	90S	1.1
94/06/20	0955		0.010K	0.195	0.010K	0.010K	28	0.8
94/07/18	1000		0.010K	0.151	0.013	0.010K	92	0.9
94/08/15	1010		0.010K	0.135	0.010K	0.010K	78	0.5
94/09/19	1030		0.010K	0.185	0.010K	0.010K	92	1.0

08C090 3308C090 12118510
CEDAR RIVER AT MAPLE VALLEY
47 24 22.0 122 02 18.0 2F 0 Elev= 0 ft
53033 Washington King Co. PACIFIC NORTHWEST
PUGET SOUND (Cedar-08) 131108
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 04-08-03 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM

INDEX 1311141 000040 00100
MILES 0009.35 0011.50 014.50 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU	530 RESIDUE TOT-NFLT MG/L
93/10/18	0945		436052	9.9	762			58	11.1	97.5	7.60	1.0
93/11/15	0945		476052	8.0	753	330		77	11.4	96.9	7.50	1.0K
93/12/19	0950		526052	5.2	765	315		54	12.7	99.1	8.00	1.0K
94/01/17	0955		36052	5.9	768	660		44	12.2	96.5		4.0
94/02/21	0935		86052	6.8	752	330		61	11.8	97.6	7.50	1.0
94/03/21	0930		126052	4.8	754	680		48	12.2	95.7	7.60	4.0
94/04/18	0910		166052	6.8	760	682		41	11.6	94.9	7.30	3.0
94/05/16	0905		206052	10.8	752	353		61	11.4	103.6	7.70	1.0K
94/06/20	0925		256052	11.0	758	370		63	11.1	100.5	7.60	2.0
94/07/18	0930		296052	13.2	759	210		66	10.5	99.7		2.0
94/08/15	0935		336052	12.9	759	155		75	11.0	103.8	7.80	1.0
94/09/19	0950		386052	12.4	762	190		74	11.1	103.1	6.90	1.0

DATE FROM TO	TIME	DEPTH FEET	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	31504 TOT COLI MFIM LES /100ML	31616 FEC COLI MFM-FCBR /100ML
93/10/18	0945		0.22	0.010K				0.174	0.012	0.010K		7
93/11/15	0945		0.20	0.010K				0.155	0.010K	0.010K		3
93/12/19	0950		0.31	0.010K				0.291	0.016	0.010K		10
94/01/17	0955		0.30	0.010K				0.257	0.010K	0.010K		4
94/02/21	0935		0.45	0.010K				0.401	0.011	0.010K		12
94/03/21	0930		0.39	0.010K				0.280	0.010K	0.010K		5
94/04/18	0910		0.19	0.010K				0.197	0.010K	0.013		5
94/05/16	0905		0.13	0.010K				0.215	0.010K	0.010		27
94/06/20	0925		0.22	0.010K				0.189	0.010K	0.010K		5
94/07/18	0930		0.20	0.010K				0.158	0.010K	0.010K		16
94/08/15	0935		0.18	0.010K				0.150	0.010K	0.010K		9
94/09/19	0950		0.20	0.010K				0.192	0.010K	0.010K		23

DATE FROM TO	TIME	DEPTH FEET	82079 TURBIDTY LAB NTU

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	82079 TURBIDTY LAB NTU
93/10/18	0945		0.5
93/11/15	0945		0.5
93/12/19	0950		0.4
94/01/17	0955		1.2
94/02/21	0935		0.7
94/03/21	0930		1.2
94/04/18	0910		0.9
94/05/16	0905		0.5
94/06/20	0925		0.5K
94/07/18	0930		0.6
94/08/15	0935		0.5K
94/09/19	0950		0.5K

08C110 3308C110 12117490
CEDAR RIVER NEAR LANDSBURG
47 23 28.0 121 55 08.0 2F 0 Elev= 0 ft
53033 Washington King Co. PACIFIC NORTHWEST
PUGET SOUND (Cedar-08) 131108
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 04-08-03 Class= AA Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1311141 000040 00100
MILES 0009.35 0011.50 025.10 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	340 COD HI LEVEL MG/L
93/10/18	0855		436051	10.2	754	424			54	10.9	97.4	
93/11/15	0845		476051	8.1	745	388			73	11.2	96.5	
93/12/19	0905		526051	5.0	757	442			51	12.0	94.1	
94/01/17	0915		36051	5.7	759	899			43	12.1	96.4	
94/02/21	0845		86051	6.9	742	376			55	11.3	94.9	
94/03/21	0820		126051	4.8	752	926			45	12.1	95.1	
94/04/18	0820		166051	6.6	751	905			39	11.4	93.8	
94/05/16	0825		206051	10.6	743	507			55	11.0	100.7	
94/06/20	0835		256051	9.3	751	415			60	11.0	96.7	
94/07/18	0835		296051	11.7	751	393			60	10.5	97.5	
94/08/15	0850		336051	11.1	752	300			69	10.9	99.7	
94/09/19	0905		386051	11.1	752	252			69	10.9	99.7	

DATE FROM TO	TIME	DEPTH FEET	400 PH SU	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	605 ORG N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L
93/10/18	0855		7.50			1.0	0.19		0.010K			
93/11/15	0845		7.30			1.0	0.17		0.010K			
93/12/19	0905		7.90			2.0	0.22		0.010K			
94/01/17	0915					3.0	0.29		0.010K			
94/02/21	0845		7.40			1.0	0.29		0.010K			
94/03/21	0820		7.50			2.0	0.23		0.010K			
94/04/18	0820		7.20			4.0	0.14		0.010K			
94/05/16	0825		7.60			1.0K	0.09		0.010K			
94/06/20	0835		7.50			1.0K	0.19		0.010K			
94/07/18	0835					1.0	0.18		0.010K			
94/08/15	0850		7.60			1.0K	0.20		0.010K			
94/09/19	0905		7.00			1.0K	0.19		0.010K			

DATE FROM TO	TIME	DEPTH FEET	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L
93/10/18	0855			0.152		0.010K	0.010K					
93/11/15	0845			0.144		0.010K	0.010K					
93/12/19	0905			0.206		0.010K	0.010K					
94/01/17	0915			0.188		0.010K	0.010K					
94/02/21	0845			0.233		0.010K	0.010K					
94/03/21	0820			0.191		0.010K	0.010K					
94/04/18	0820			0.141		0.010K	0.010K					
94/05/16	0825			0.153		0.010K	0.010K					
94/06/20	0835			0.171		0.010K	0.010K					
94/07/18	0835			0.146		0.010K	0.010K					
94/08/15	0850			0.167		0.010K	0.010K					
94/09/19	0905			0.177		0.010K	0.010K					

DATE FROM TO	TIME	DEPTH FEET	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1020 BORON B,DISS UG/L	1045 IRON FE,TOT UG/L	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML
93/10/18	0855											1K
93/11/15	0845											1K
93/12/19	0905											1K
94/01/17	0915											1K
94/02/21	0845											2
94/03/21	0820											2
94/04/18	0820											1K
94/05/16	0825											17
94/06/20	0835											4
94/07/18	0835											11
94/08/15	0850											4
94/09/19	0905											6

DATE FROM TO	TIME	DEPTH FEET	70300 RESIDUE DISS-180 C MG/L	82079 TURBIDTY LAB NTU
93/10/18	0855			0.7
93/11/15	0845			0.5
93/12/19	0905			0.3
94/01/17	0915			1.1
94/02/21	0845			0.7
94/03/21	0820			1.0
94/04/18	0820			0.8
94/05/16	0825			0.5K
94/06/20	0835			0.5K
94/07/18	0835			0.5K

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	70300 RESIDUE DISS-180 C MG/L	82079 TURBIDTY LAB NTU
94/08/15	0850			0.5K
94/09/19	0905			0.5K

09A080 3309A080
GREEN RIVER AT TUKWILA
47 27 52.0 122 14 49.0 2F000 Elev= 0 ft
53033 Washington King Co. PACIFIC NORTHWEST
PUGET SOUND (Duwamish/Green-09) 131109
21540000 Reach=17110013000 0.000 Drg= 0 sqmi
AMBNT/STREAM/RMP

INDEX 1311143
MILES 0012.40 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L
93/10/20	0945		436067	11.2	773	381	110	9.9	88.3	7.30	8.0	0.42
93/11/17	1000		476067	7.0	763	444	111J	10.8	88.4	7.40	3.0	0.56
93/12/21	0935		526067	4.2	775	676	86	12.4	93.1	7.40	4.0	0.62
94/01/19	0910		36067	5.4	770	1590	62	11.8	91.9		7.0	0.49
94/02/23	0935		86067	6.7	760	1000	85	11.4	93.0	7.50	9.0	0.81
94/03/23	1010		126067	4.1	763	1970	68	11.8	89.8	7.40	13.0	0.79
94/04/20	0935		166067	10.3	766	1130	83	9.5	83.8	7.40	10.0	0.42
94/05/18	0930		206067	13.5	766	489	140	10.8	102.2	7.40	6.0	0.46
94/06/22	0900		256067	15.8	765	991	63	9.2	91.5	7.80	18.0	0.26
94/07/20	0925		296067	19.6	762	255	152	7.5	81.0		25.0	0.49
94/08/17	0930		336067	18.4	767	220	153	8.1	84.8	7.30	9.0	0.41
94/09/21	0930		386067	16.3	767	297	126	8.5	85.3	7.40	16.0	0.45

DATE FROM TO	TIME	DEPTH FEET	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	630 NO2+NO3 N-TOTAL MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	1094 ZINC TOT REC UG/L	1113 CADMIUM TOT REC UG/L	1114 LEAD TOT REC UG/L	1118 CHROMIUM TOT REC UG/L
93/10/20	0945		0.024		0.309	0.029	0.016					
93/11/17	1000		0.120		0.319	0.032	0.020					
93/12/21	0935		0.050		0.531	0.025	0.019					
94/01/19	0910		0.027		0.402	0.018	0.019					
94/02/23	0935		0.030		0.621	0.040	0.022					
94/03/23	1010		0.013		0.542	0.030	0.025					
94/04/20	0935		0.010K		0.300	0.014	0.010K					
94/05/18	0930		0.021		0.461	0.047	0.023					
94/06/22	0900		0.010K		0.176	0.029	0.010K					
94/07/20	0925		0.016		0.314	0.070	0.015					
94/08/17	0930		0.030		0.218	0.055	0.020					
94/09/21	0930		0.013		0.298	0.053	0.023					

DATE FROM TO	TIME	DEPTH FEET	1119 COPPER TOT REC UG/L	31616 FEC COLI MFM-FCBR /100ML	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	1119 COPPER TOT REC UG/L	31616 FEC COLI MFM-FCBR /100ML	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
93/10/20	0945			140		2.5
93/11/17	1000			500S		2.0
93/12/21	0935			33		2.0
94/01/19	0910			160		2.6
94/02/23	0935			210		3.5
94/03/23	1010			280S		3.5
94/04/20	0935			24		2.8
94/05/18	0930			130		2.4
94/06/22	0900			96		4.3
94/07/20	0925			100		5.8
94/08/17	0930			270		2.9
94/09/21	0930			160		3.4

09A090 3309A090 12113340
GREEN R AT 212TH STREET NR KENT
47 24 45.0 122 15 49.0 2F 0 Elev= 0 ft
53033 Washington King Co. PACIFIC NORTHWEST
PUGET SOUND (Duwamish/Green-09) 131109
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 04-09-06 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1311143
MILES 0018.30 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU	410 T ALK CACO3 MG/L
93/10/20	1050		436069	11.4	772	420		96	10.1	90.6	7.30	
93/11/17	1055		476069	7.1	764	470			10.8	88.5	7.50	
93/12/21	1025		526069	3.8	775	530		86	12.4	92.1	7.40	
94/01/19	1005		36069	5.2	771	1730		62	11.9	92.2		
94/02/23	1025		86069	6.6	761			91	11.2	91.1	7.30	
94/03/23	1115		126069	4.0	761	2150		69	12.0	91.3	7.30	
94/04/20	1155		166069	10.1	762	1400		77	10.0	88.2	7.30	
94/05/18	1025		206069	13.7	766	610		118	9.3	88.5	7.40	
94/06/22	1010		256069	15.0	765	1100		64	9.3	91.1	7.40	
94/07/20	1015		296069	19.9	761	320		126	8.0	87.0		
94/08/17	1030		336069	18.5	766	290		127	8.5	89.3	7.40	
94/09/21	1025		386069	16.2	767	350		111	8.6	86.1	7.40	

DATE FROM TO	TIME	DEPTH FEET	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L
93/10/20	1050				7.0	0.41	0.030					0.279
93/11/17	1055				3.0	0.44	0.063					0.284
93/12/21	1025				4.0	0.60	0.042					0.528
94/01/19	1005				8.0	0.49	0.033					0.390
94/02/23	1025				10.0	0.84	0.045					0.632
94/03/23	1115				13.0	0.76	0.028					0.534
94/04/20	1155				8.0	0.44	0.010					0.307
94/05/18	1025				5.0	0.44	0.021					0.469
94/06/22	1010				12.0	0.24	0.010K					0.171
94/07/20	1015				13.0	0.47	0.013					0.298
94/08/17	1030				5.0	0.34	0.013					0.207
94/09/21	1025				7.0	0.38	0.012					0.267

DATE FROM TO	TIME	DEPTH FEET	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L
93/10/20	1050		0.030	0.016								
93/11/17	1055		0.023	0.015								
93/12/21	1025		0.022	0.018								
94/01/19	1005		0.018	0.021								
94/02/23	1025		0.044	0.030								
94/03/23	1115		0.034	0.035								
94/04/20	1155		0.014	0.010K								
94/05/18	1025		0.032	0.031								
94/06/22	1010		0.023	0.010K								
94/07/20	1015		0.047	0.013								
94/08/17	1030		0.042	0.018								
94/09/21	1025		0.045	0.020								

DATE FROM TO	TIME	DEPTH FEET	1000 ARSENIC AS,DISS UG/L	1002 ARSENIC AS,TOT UG/L	1025 CADMIUM CD,DISS UG/L	1027 CADMIUM CD,TOT UG/L	1030 CHROMIUM CR,DISS UG/L	1034 CHROMIUM CR,TOT UG/L	1040 COPPER CU,DISS UG/L	1042 COPPER CU,TOT UG/L	1049 LEAD PB,DISS UG/L	1051 LEAD PB,TOT UG/L

DATE FROM TO	TIME	DEPTH FEET	1065 NICKEL NI,DISS UG/L	1080 STRONTUM SR,DISS UG/L	1090 ZINC ZN,DISS UG/L	1092 ZINC ZN,TOT UG/L	1094 ZINC TOT REC UG/L	1113 CADMIUM TOT REC UG/L	1114 LEAD TOT REC UG/L	1118 CHROMIUM TOT REC UG/L	1119 COPPER TOT REC UG/L	1130 LITHIUM LI,DISS UG/L

DATE FROM TO	TIME	DEPTH FEET	31504 TOT COLI MFIM LES /100ML	31616 FEC COLI MFM-FCBR /100ML	71900 MERCURY HG,TOTAL UG/L	71901 MERCURY TOT REC UG/L	82079 TURBIDTY LAB NTU
93/10/20	1050			45			2.2
93/11/17	1055			280S			1.8
93/12/21	1025			40			1.3
94/01/19	1005			96S			2.7
94/02/23	1025			820S			5.1
94/03/23	1115			700			4.9
94/04/20	1155			15			2.6
94/05/18	1025			100			2.5
94/06/22	1010			88			3.5
94/07/20	1015			240			3.4
94/08/17	1030			110			2.1
94/09/21	1025			88			3.1

09A130 3309A130 12113000 541052
GREEN R ABV BIG SOOS C NR AUBURN
47 18 05.0 122 10 23.0 2F 0 Elev= 0 ft
53033 Washington King Co. PACIFIC NORTHWEST
PUGET SOUND (Duwamish/Green-09) 131109
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 04-09-09 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM

INDEX 1311143
MILES 0033.90 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	30 INCDT LT SURF C/SQCM/D	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT
93/10/20	1300		436072	10.8	769		404			70	11.5	102.1
93/11/17	1305		476072	6.9	762		484				12.1	99.0
93/12/21	1225		526072	4.8	773		730			64	13.0	99.4
94/01/19	1155		36072	4.7	769		1680			53	12.6	96.6
94/02/23	1215		86072	5.8	760		1230			70	12.2	97.3
94/03/23	1315		126072	5.2	759		2140			55	12.6	99.1
94/04/20	1345		166072	10.9	761		1240			47	11.6	104.4
94/05/18	1215		206072	13.4	764		548			72	11.4	108.1
94/06/22	1200		256072	14.3	762		1030			55	10.8	104.5
94/07/20	1220		296072	19.1	759		276			77	9.9	106.2
94/08/17	1220		336072	17.5	763		247			81	10.1	104.3
94/09/21	1215		386072	15.8	764		319			79	10.5	104.6

DATE FROM TO	TIME	DEPTH FEET	400 PH SU	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	620 NO3-N TOTAL MG/L	630 NO2+NO3 N-TOTAL MG/L	650 T PO4 PO4 MG/L
93/10/20	1300		7.70				2.0	0.27	0.010K		0.199	
93/11/17	1305		7.50				1.0	0.28	0.010K		0.192	
93/12/21	1225		7.60				2.0	0.51	0.011		0.452	
94/01/19	1155						4.0	0.38	0.015		0.319	
94/02/23	1215		7.90				7.0	0.83	0.026		0.629	
94/03/23	1315		7.70				9.0	0.56	0.010K		0.378	
94/04/20	1345		7.90				4.0	0.29	0.010K		0.243	
94/05/18	1215		7.80				3.0	0.24	0.016		0.343	
94/06/22	1200		7.90				4.0	0.16	0.010K		0.127	
94/07/20	1220						4.0	0.34	0.010K		0.269	
94/08/17	1220		7.80				1.0	0.29	0.010K		0.215	
94/09/21	1215		7.70				4.0	0.26	0.010K		0.191	

DATE FROM TO	TIME	DEPTH FEET	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	931 SODIUM ADSBTION RATIO	932 PERCENT SODIUM %

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	931 SODIUM ADSBTION RATIO	932 PERCENT SODIUM %
93/10/20	1300			0.010	0.010K							
93/11/17	1305			0.011	0.010K							
93/12/21	1225			0.015	0.010K							
94/01/19	1155			0.010K	0.011							
94/02/23	1215			0.045	0.027							
94/03/23	1315			0.017	0.010K							
94/04/20	1345			0.010K	0.010K							
94/05/18	1215			0.010K								
94/06/22	1200			0.012	0.010K							
94/07/20	1220			0.011	0.010K							
94/08/17	1220			0.010K	0.010K							
94/09/21	1215			0.010K	0.010K							

DATE FROM TO	TIME	DEPTH FEET	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1000 ARSENIC AS,DISS UG/L	1010 BERYLIUM BE,DISS UG/L	1020 BORON B,DISS UG/L	1030 CHROMIUM CR,DISS UG/L	1034 CHROMIUM CR,TOT UG/L

DATE FROM TO	TIME	DEPTH FEET	1040 COPPER CU,DISS UG/L	1045 IRON FE,TOT UG/L	1046 IRON FE,DISS UG/L	1080 STRONTUM SR,DISS UG/L	1090 ZINC ZN,DISS UG/L	1130 LITHIUM LI,DISS UG/L	31501 TOT COLI MFIMENDO /100ML	31503 TOT COLI MFDLENDO /100ML	31505 TOT COLI MPN CONF /100ML	31507 TOT COLI MPN COMP /100ML

DATE FROM TO	TIME	DEPTH FEET	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L	70302 DISS SOL TONS/DAY	70303 DISS SOL TONS PER ACRE-FT	71850 NITRATE TOT-NO3 MG/L	71851 NITRATE DISS-NO3 MG/L	71885 IRON FE UG/L	82079 TURBIDTY LAB NTU
93/10/20	1300		6								0.8
93/11/17	1305		11								0.8
93/12/21	1225		8								1.1
94/01/19	1155		1K								1.4
94/02/23	1215		160								3.7
94/03/23	1315		29								3.9
94/04/20	1345		1K								1.5
94/05/18	1215		27								1.2
94/06/22	1200		17								1.0
94/07/20	1220		11								0.7
94/08/17	1220		15								0.8
94/09/21	1215		22								1.0

09A190 3309A190 12107000 541110
GREEN RIVER AT KANASKAT
47 19 10.0 121 53 33.0 2F 0 Elev= 0 ft
53033 Washington King Co. PACIFIC NORTHWEST
PUGET SOUND (Duwamish/Green-09) 131109
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 04-09-07 Class= AA Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1311143
MILES 0057.60 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU	410 T ALK CACO3 MG/L
93/10/18	0805		436050	11.4	749	258		52	10.0	92.5	7.70	
93/11/15	0755		476050	6.8	740	319		68	11.3	94.9	7.40	
93/12/19	0805		526050	2.9	751	468		44	12.9	96.6	7.60	
94/01/17	0830		36050	5.5	753	1170		40	12.0	95.8		
94/02/21	0755		86050	5.4	738	546		42	12.2	99.3	7.40	
94/03/21	0735		126050	3.6	739	1500		40	12.8	99.2	7.80	
94/04/18	0730		166050	8.3	745	1130		34	11.0	95.2	7.00	
94/05/16	0730		206050	11.2	739	393		43	10.6	99.0	7.30	
94/06/20	0740		256050	11.3	746	687		43	10.6	98.1	7.90	
94/07/18	0755		296050	13.6	746	156		51	10.1	98.4		
94/08/15	0755		336050	15.2	747	124		60	9.8	98.6	7.30	
94/09/19	0750		386050	14.4	748	154		57	9.8	96.9	7.40	

DATE FROM TO	TIME	DEPTH FEET	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L
93/10/18	0805				2.0	0.14	0.010K				0.061	
93/11/15	0755				1.0	0.11	0.010K				0.054	
93/12/19	0805				1.0	0.31	0.010K				0.296	
94/01/17	0830				5.0	0.23	0.010K				0.204	
94/02/21	0755				1.0	0.30	0.010				0.235	
94/03/21	0735				3.0	0.24	0.010K				0.177	
94/04/18	0730				2.0	0.11	0.013				0.101	
94/05/16	0730				2.0	0.06	0.011				0.074	
94/06/20	0740				2.0	0.13	0.010K				0.080	
94/07/18	0755				1.0	0.12	0.010K				0.058	
94/08/15	0755				1.0	0.52	0.016				0.077	
94/09/19	0750				2.0	0.13	0.010K				0.068	

DATE FROM TO	TIME	DEPTH FEET	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L
93/10/18	0805		0.010K	0.010K								
93/11/15	0755		0.010K	0.010K								
93/12/19	0805		0.011	0.010K								
94/01/17	0830		0.010K	0.010K								
94/02/21	0755		0.010K	0.010K								
94/03/21	0735		0.010K	0.010K								
94/04/18	0730		0.010K	0.010K								
94/05/16	0730		0.010K	0.010K								
94/06/20	0740		0.010K	0.010K								
94/07/18	0755		0.010K	0.010K								
94/08/15	0755		0.010K	0.010K								
94/09/19	0750		0.010K	0.010K								

DATE FROM TO	TIME	DEPTH FEET	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1020 BORON B,DISS UG/L	1045 IRON FE,TOT UG/L	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L	82079 TURBIDTY LAB NTU
93/10/18	0805								3K		0.7
93/11/15	0755								4		0.9
93/12/19	0805								3		0.5
94/01/17	0830								3		2.5
94/02/21	0755								3		0.7
94/03/21	0735								5		1.3
94/04/18	0730								14		1.0
94/05/16	0730								14		1.0
94/06/20	0740								6		0.6
94/07/18	0755								9		0.7
94/08/15	0755								5		0.8
94/09/19	0750								4		1.1

09B090 3309B090 12112600 541053
BIG SOOS CREEK NEAR AUBURN
47 18 35.0 122 10 05.0 2F 0 Elev= 0 ft
53033 Washington King Co. PACIFIC NORTHWEST
PUGET SOUND (Duwamish/Green-09) 131109
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 04-09-06 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM

INDEX 1311143 000250
MILES 0036.30 0001.60 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU
93/10/20	1320		436073	9.9	770	28			120	11.4	99.1	7.90
93/11/17	1320		476073	7.2	762	35				11.5	94.7	7.60
93/12/21	1240		526073	4.4	774	58			124	12.9	97.5	7.60
94/01/19	1215		36073	5.7	769	80			128	12.3	96.7	
94/02/23	1240		86073	5.9	761	165			110	11.8	94.3	8.10
94/03/23	1330		126073	6.5	758	198			116	12.0	97.6	7.80
94/04/20	1355		166073	12.2	760	109			106	10.7	99.3	8.00
94/05/18	1230		206073	13.7	763	64			127	10.8	103.1	8.00
94/06/22	1220		256073	15.2	762	44			128	10.3	101.7	7.60
94/07/20	1235		296073	17.6	757	29			124	10.6	110.7	
94/08/17	1240		336073	18.4	763	23			127	10.9	114.7	8.00
94/09/21	1230		386073	14.0	765	22			136	11.0	105.5	7.90

DATE FROM TO	TIME	DEPTH FEET	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L
93/10/20	1320					2.0	1.05	0.010				0.925
93/11/17	1320					3.0	0.96	0.013				0.842
93/12/21	1240					4.0	1.22	0.013				1.180
94/01/19	1215					4.0	1.58	0.021				1.270
94/02/23	1240					12.0	1.59	0.014				1.340
94/03/23	1330					5.0	1.26	0.010K				1.120
94/04/20	1355					4.0	1.13	0.010K				1.090
94/05/18	1230					4.0	1.51	0.012				1.090
94/06/22	1220					3.0	1.02	0.010K				0.999
94/07/20	1235					4.0	1.17	0.010K				1.010
94/08/17	1240					3.0	1.00	0.010K				0.918
94/09/21	1230					2.0	0.99	0.010K				0.913

DATE FROM TO	TIME	DEPTH FEET	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L
93/10/20	1320			0.020	0.019							
93/11/17	1320			0.027	0.019							
93/12/21	1240			0.029	0.018							
94/01/19	1215			0.018	0.018							
94/02/23	1240			0.029	0.014							
94/03/23	1330			0.019	0.010K							
94/04/20	1355			0.015	0.010K							
94/05/18	1230			0.014								
94/06/22	1220			0.016	0.011							
94/07/20	1235			0.012	0.012							
94/08/17	1240			0.025	0.014							
94/09/21	1230			0.023	0.019							

DATE FROM TO	TIME	DEPTH FEET	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1020 BORON B,DISS UG/L	1045 IRON FE,TOT UG/L	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L	82079 TURBIDTY LAB NTU
93/10/20	1320									22		0.9
93/11/17	1320									17		1.4
93/12/21	1240									9		0.8
94/01/19	1215									12		1.5
94/02/23	1240									210		4.9
94/03/23	1330									11		2.0
94/04/20	1355									13		1.6
94/05/18	1230									65		1.6
94/06/22	1220									29		1.1
94/07/20	1235									150		1.0
94/08/17	1240									33		0.8
94/09/21	1230									61		1.0

09C070 3309C070
DES MOINES CREEK NEAR MOUTH
47 24 21.0 122 19 35.0 2F 0 Elev= 0 ft
53033 Washington King Co. PACIFIC NORTHWEST
PUGET SOUND (Duwamish/Green-09) 131109
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 04-09-99 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM

INDEX 1311151
MILES 0000.10 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU	530 RESIDUE TOT-NFLT MG/L
93/10/20	1200		436071	10.5	772			215	10.9	95.8	8.00	3.0
93/11/17	1215		476071	7.9	765				11.3	94.3	8.00	2.0
93/12/21	1125		526071	5.7	774			197	12.2	95.3	7.80	1.0
94/01/19	1110		36071	7.0	771			221	11.9	96.4		2.0
94/02/23	1140		86071	6.9	762			162	11.5	94.1	8.20	5.0
94/03/23	1230		126071	7.3	762			174	12.3	101.6	8.00	4.0
94/04/20	1305		166071	12.0	763			190	11.6	106.7	8.40	2.0
94/05/18	1130		206071	13.3	766			213	10.2	96.2	8.30	2.0
94/06/22	1120		256071	14.7	765			207	9.8	95.4	7.60	2.0
94/07/20	1120		296071	16.8	761			224	9.4	96.1		8.0
94/08/17	1140		336071	15.7	766			236	10.0	99.3	8.00	1.0
94/09/21	1135		386071	15.7	767			236	9.8	97.2	7.90	1.0K

DATE FROM TO	TIME	DEPTH FEET	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	630 NO2+NO3 N-TOTAL MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	31504 TOT COLI MFIM LES /100ML	31616 FEC COLI MFM-FCBR /100ML	38260 MBAS MG/L
93/10/20	1200		1.03	0.010K			0.868	0.051	0.048		45	
93/11/17	1215		0.93	0.010K			0.771	0.047	0.038		52	
93/12/21	1125		1.25	0.073			0.941	0.043	0.032		12	
94/01/19	1110		1.20	0.032			0.999	0.040	0.038		12	
94/02/23	1140		1.37	0.041			0.904	0.037	0.019		110	
94/03/23	1230		1.12	0.010K			0.832	0.031	0.017		31	
94/04/20	1305		0.81	0.010K			0.626	0.030	0.012		21	
94/05/18	1130		0.78	0.015			0.762	0.062	0.064		60	
94/06/22	1120		0.80	0.010K			0.743	0.034	0.056		100	
94/07/20	1120		1.23	0.010K			1.100	0.038	0.061		480	
94/08/17	1140		0.85	0.010K			0.751	0.077	0.065		150	
94/09/21	1135		0.90	0.010K			0.807	0.084	0.066		74	

DATE FROM TO	TIME	DEPTH FEET	82079 TURBIDTY LAB NTU

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	82079 TURBIDTY LAB NTU
93/10/20	1200		0.7
93/11/17	1215		0.7
93/12/21	1125		1.3
94/01/19	1110		1.1
94/02/23	1140		3.7
94/03/23	1230		2.6
94/04/20	1305		1.2
94/05/18	1130		1.6
94/06/22	1120		1.0
94/07/20	1120		2.0
94/08/17	1140		0.7
94/09/21	1135		0.8

09E070 3309E070
MILL CREEK -- KENT -- AT ORILLIA
47 26 21.0 122 14 23.0 1F 0 Elev= 0 ft
53033 Washington King Co. PACIFIC NORTHWEST
PUGET SOUND (Duwamish/Green-09) 131109
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 04-09-09 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1311143 000050 00030
MILES 0011.00 0000.80 003.14 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	340 COD HI LEVEL MG/L	400 PH SU
93/10/20	1115		436070	11.0	772			225	3.4	30.2		7.10
93/11/17	1120		476070	7.0	765				5.7	46.5		7.10
93/12/21	1050		526070	4.3	774			239	6.7	50.5		7.10
94/01/19	1030		36070	6.5	772			267	5.0	40.0		
94/02/23	1100		86070	6.4	761			109	8.4	67.9		7.10
94/03/23	1145		126070	6.7	762	17		167	7.4	60.2		7.00
94/04/20	1220		166070	13.4	763	5		280	4.6	43.7		7.00
94/05/18	1040		206070	15.2	766	4		271	3.3	32.4		7.20
94/06/22	1035		256070	18.2	765	2		264	3.2	33.5		6.90
94/07/20	1045		296070	20.2	761	1		309	1.5	16.4		
94/08/17	1050		336070	18.4	766	1		295	1.5	15.7		7.20
94/09/21	1050		386070	16.3	767	1		259	2.2	22.1		7.00

DATE FROM TO	TIME	DEPTH FEET	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	630 NO2+NO3 N-TOTAL MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L
93/10/20	1115		8.0	1.22	0.295				0.521	0.125	0.059	
93/11/17	1120		6.0	1.50	0.288				0.656	0.101	0.036	
93/12/21	1050		20.0	1.33	0.445				0.522	0.203	0.039	
94/01/19	1030		12.0	1.44	0.491				0.495	0.188	0.044	
94/02/23	1100		12.0	0.84	0.125				0.375	0.106	0.039	
94/03/23	1145		6.0	1.05	0.139				0.411	0.131	0.063	
94/04/20	1220		11.0	1.07	0.330				0.293	0.220	0.043	
94/05/18	1040		4.0	1.63	0.383				0.405	0.195	0.054	
94/06/22	1035		8.0	0.85	0.085				0.314	0.163	0.050	
94/07/20	1045		4.0	0.78	0.093				0.347	0.095	0.020	
94/08/17	1050		2.0	0.81	0.061				0.372	0.083	0.018	
94/09/21	1050		3.0	0.75	0.029				0.482	0.092	0.022	

DATE FROM TO	TIME	DEPTH FEET	940 CHLORIDE CL MG/L	1025 CADMIUM CD,DISS UG/L	1027 CADMIUM CD,TOT UG/L	1030 CHROMIUM CR,DISS UG/L	1034 CHROMIUM CR,TOT UG/L	1040 COPPER CU,DISS UG/L	1042 COPPER CU,TOT UG/L	1049 LEAD PB,DISS UG/L	1051 LEAD PB,TOT UG/L	1065 NICKEL NI,DISS UG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	940 CHLORIDE CL MG/L	1025 CADMIUM CD,DISS UG/L	1027 CADMIUM CD,TOT UG/L	1030 CHROMIUM CR,DISS UG/L	1034 CHROMIUM CR,TOT UG/L	1040 COPPER CU,DISS UG/L	1042 COPPER CU,TOT UG/L	1049 LEAD PB,DISS UG/L	1051 LEAD PB,TOT UG/L	1065 NICKEL NI,DISS UG/L

DATE FROM TO	TIME	DEPTH FEET	1067 NICKEL NI,TOTAL UG/L	1090 ZINC ZN,DISS UG/L	1092 ZINC ZN,TOT UG/L	1094 ZINC TOT REC UG/L	1113 CADMIUM TOT REC UG/L	1114 LEAD TOT REC UG/L	1118 CHROMIUM TOT REC UG/L	1119 COPPER TOT REC UG/L	31616 FEC COLI MFM-FCBR /100ML	32101 DICLBRMT TOTUG/L
93/10/20	1115										86	
93/11/17	1120										390	
93/12/21	1050										130	
94/01/19	1030										69	
94/02/23	1100										400S	
94/03/23	1145										100	
94/04/20	1220										230	
94/05/18	1040										200	
94/06/22	1035										80	
94/07/20	1045										380	
94/08/17	1050										26	
94/09/21	1050										32	

DATE FROM TO	TIME	DEPTH FEET	32102 CARBNTET TOTUG/L	32104 BROMOFRM WHL-WTR UG/L	32105 CLDIBRMT TOTUG/L	32106 CHLRFORM TOTUG/L	34010 TOLUENE TOT UG/L	34030 BENZENE TOT UG/L	34210 ACROLEIN TOTWUG/L	34215 ACRYLONI TRILE TOTWUG/L	34301 CHLOROBE NZENE TOTWUG/L	34311 CHLOROET HANE TOTWUG/L

DATE FROM TO	TIME	DEPTH FEET	34371 ETHYLBEN ZENE TOTWUG/L	34413 METHYLBR OMIDE TOTWUG/L	34418 METHYLCH LORIDE TOTWUG/L	34423 METHYLEN ECHLORID TOTWUG/L	34475 TETRACHL OROETHYL TOTWUG/L	34488 TRICHLOR OFLUOROM TOTWUG/L	34496 11DICHLO ROETHANE TOTWUG/L	34501 11DICHLO ROETHYLE TOTWUG/L	34506 111TRICH LOROETHA TOTWUG/L	34511 112TRICH LOROETHA TOTWUG/L

DATE FROM TO	TIME	DEPTH FEET	34516 1122TETR ACHLOROE TOTWUG/L	34531 12DICHLO ROETHANE TOTWUG/L	34541 12DICHLO ROPROPAN TOTWUG/L	34546 12DICHLO ROETHYLE TOTWUG/L	34561 13DICHLO ROPROPEN TOTWUG/L	34576 2CHLOROE THYLVINY TOTWUG/L	34668 DICHLORO DIFLUORO TOTWUG/L	39175 VINYLCHL ORIDE TOT UG/L	39180 TRICHLOR ETHYLENE TOT UG/L	71900 MERCURY HG,TOTAL UG/L

DATE FROM TO	TIME	DEPTH FEET	71901 MERCURY TOT REC UG/L	82079 TURBIDTY LAB NTU
93/10/20	1115			17.0

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	71901 MERCURY TOT REC UG/L	82079 TURBIDTY LAB NTU
93/11/17	1120			12.0
93/12/21	1050			21.0
94/01/19	1030			28.0
94/02/23	1100			13.0
94/03/23	1145			12.0
94/04/20	1220			25.0
94/05/18	1040			19.0
94/06/22	1035			20.0
94/07/20	1045			13.0
94/08/17	1050			11.0
94/09/21	1050			15.0

DATE FROM TO	TIME	DEPTH FEET	610 NH3+NH4-N TOTAL MG/L	613 NO2-N DISS MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	680 T ORG C C MG/L	760 SWL PBI MG/L	900 TOT HARD CACO3 MG/L	940 CHLORIDE CL MG/L
93/10/11	1310		0.026			0.126	0.026	0.011				
93/11/07	1440		0.013			0.186	0.025	0.015				
93/12/13	1535		0.010K			0.271	0.024					
94/01/09	1440		0.015			0.345	0.035	0.019				
94/02/14	1510		0.010K			0.276	0.018	0.014				
94/03/14	1305		0.010			0.271	0.020	0.010K				
94/04/11	1530		0.010K			0.176	0.027	0.010K				
94/05/09	1315		0.017			0.107	0.023	0.011			62	
94/06/13	1215		0.010K			0.060	0.010K	0.010K				
94/07/11	1300		0.012			0.021	0.019	0.010K				
94/08/08	1620		0.015			0.047	0.012	0.010K				
94/09/12	1220		0.010K			0.010K	0.014	0.010K				

DATE FROM TO	TIME	DEPTH FEET	945 SULFATE SO4-TOT MG/L	978 ARSENIC TOT REC UG/L	1025 CADMIUM CD,DISS UG/L	1040 COPPER CU,DISS UG/L	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L	1065 NICKEL NI,DISS UG/L	1090 ZINC ZN,DISS UG/L	1094 ZINC TOT REC UG/L	1113 CADMIUM TOT REC UG/L
94/05/09	1315			30.0U	0.04U	1.0		0.0P	1U	1P		
94/07/11	1300			30.0U	0.04P	1.1		0.2P	1U	2P		
94/09/12	1220			30.0U	0.04U	1.0		0.0U	1U	1U		

DATE FROM TO	TIME	DEPTH FEET	1114 LEAD TOT REC UG/L	1118 CHROMIUM TOT REC UG/L	1119 COPPER TOT REC UG/L	31501 TOT COLI MFIMENDO /100ML	31616 FEC COLI MFM-FCBR /100ML	31625 FEC COLI M-FCAGAD /100 ML	70300 RESIDUE DISS-180 C MG/L	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
93/10/11	1310						17				2.4
93/11/07	1440						16				2.3
94/01/09	1440						4				5.1
94/02/14	1510						1K				1.1
94/03/14	1305						3				1.4
94/04/11	1530						1				2.7
94/05/09	1315			5.0U			9			0.00P	3.7
94/06/13	1215						6				2.6
94/07/11	1300			5.0U			1U			0.00U	3.4
94/08/08	1620						2				3.9
94/09/12	1220			5.0U			1			0.00P	1.7

09H090 3309H090
Black R @ Renton
47 28 30.0 122 14 16.0 2F000 Elev= 0 ft
53033 Washington King Co. PACIFIC NORTHWEST
PUGET SOUND (Duwamish/Green-09) 131109
21540000 Reach=17110013004 0.000 Drg= 0 sqmi
AMBNT/STREAM

INDEX 1311143 000050
MILES 0011.00 0000.60 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L
93/10/20	1010		436068	10.9	773	354	7.1	63.0	7.40	9.0	0.93	0.171
93/11/17	1025		476068	7.2	764		7.7	63.2	7.30	8.0	1.13	0.109
93/12/21	1000		526068	4.8	775	259	7.8	59.5	7.40	16.0	1.25	0.343
94/01/19	0930		36068	6.8	771	290	6.3	50.8		15.0	1.35	0.363
94/02/23	1000		86068	7.0	761	120	9.2	75.5	7.10	18.0	1.00	0.117
94/03/23	1030		126068	6.4	763	194	8.4	67.8	7.00	9.0	0.98	0.147
94/04/20	1000		166068	11.8	766	283	6.3	57.5	7.10	5.0	1.02	0.233
94/05/18	0955		206068	14.0	767	288	4.9	46.9	7.20	4.0	0.99	0.297
94/06/22	0940		256068	17.7	765	305	5.6	58.0	7.00	4.0	0.76	0.040
94/07/20	0945		296068	20.6	762	319	9.1	100.2		17.0	0.51	0.016
94/08/17	1000		336068	18.0	767	331	8.2	85.2	7.10	8.0	0.63	0.044
94/09/21	0955		386068	16.3	767	326	6.8	68.2	7.20	5.0	0.65	0.048

DATE FROM TO	TIME	DEPTH FEET	630 NO2+NO3 N-TOTAL MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	31616 FEC COLI MFM-FCBR /100ML	82079 TURBIDTY LAB NTU
93/10/20	1010		0.526	0.119	0.052	490	7.9
93/11/17	1025		0.716	0.082	0.027	410	11.0
93/12/21	1000		0.611	0.143	0.038	170	14.0
94/01/19	0930		0.546	0.149	0.047	220	24.0
94/02/23	1000		0.563	0.088	0.023	190	21.0
94/03/23	1030		0.583	0.101	0.048	350	13.0
94/04/20	1000		0.327	0.175	0.040	190	23.0
94/05/18	0955		0.420	0.165	0.060	230	15.0
94/06/22	0940		0.430	0.139	0.025	80	14.0
94/07/20	0945		0.201	0.097	0.011	330	12.0
94/08/17	1000		0.278	0.081	0.015	440	12.0
94/09/21	0955		0.379	0.087	0.018	1000	13.0

10A070 5310A070 12101475
PUYALLUP R AT MERIDIAN ST BRIDGE
47 12 10.0 122 17 33.0 2F 0 Elev= 0 ft
53053 Washington Pierce Co. PACIFIC NORTHWEST
PUGET SOUND (Puyallup/White-10) 131110
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 05-10-03 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1311160
MILES 0008.30 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	340 COD HI LEVEL MG/L	400 PH SU
93/10/27	1140		446122	10.5	772	2000		71	10.9	95.8		7.30
93/11/22	1440		486122	5.1	765	2060		81	12.4	96.6		7.60
93/12/21	1215		526122	3.5	771	2420		60	12.7	94.1		7.40
94/01/26	1200		46122	5.6	770	2140		72	12.2	95.5		7.50
94/02/23	1035		86122	4.1	762	2850		85	11.9	90.6		7.40
94/03/30	0950		136122	7.7	768	3390		66	11.5	95.1		7.40
94/04/27	1120		176122	8.6	770	2750		64	11.2	94.5		7.50
94/05/25	1140		216122	13.6	764	2650		57	10.3	98.0		7.70
94/06/29	1030		266122	14.8	767	2570		59	9.7	94.3		7.40
94/07/27	1110		306122	15.8	762	2370		47	9.5	94.9		7.10
94/08/24	1030		346122	14.2	766	1370		70	10.2	98.1		7.60
94/09/28	1050		396122	12.8	760	1080		89	10.1	95.0		7.30

DATE FROM TO	TIME	DEPTH FEET	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L
93/10/27	1140				16.0	0.19	0.017					0.089
93/11/22	1440				76.0	0.57	0.100					0.226
93/12/21	1215				9.0	0.38	0.033					0.277
94/01/26	1200				8.0	0.57	0.039					0.414
94/02/23	1035				51.0	0.75	0.039					0.468
94/03/30	0950				4.0	0.36	0.010					0.220
94/04/27	1120				11.0	0.24	0.016					0.162
94/05/25	1140				39.0	0.14	0.010K					0.048
94/06/29	1030				32.0	0.16	0.053					0.064
94/07/27	1110				288.0	0.11	0.010K					0.062
94/08/24	1030				124.0	0.10J	0.010K					0.068J
94/09/28	1050				350.0	0.38	0.024					0.129

DATE FROM TO	TIME	DEPTH FEET	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L
93/10/27	1140		0.034	0.017								
93/11/22	1440		0.094	0.030								
93/12/21	1215		0.025	0.014								
94/01/26	1200		0.033	0.023								
94/02/23	1035		0.049	0.022								
94/03/30	0950		0.010K	0.010K								
94/04/27	1120		0.029	0.010K								
94/05/25	1140		0.034	0.010K	24E							
94/06/29	1030		0.039	0.010K								
94/07/27	1110		0.230	0.010K								
94/08/24	1030		0.141J	0.020								
94/09/28	1050		0.265	0.023								

DATE FROM TO	TIME	DEPTH FEET	978 ARSENIC TOT REC UG/L	1025 CADMIUM CD,DISS UG/L	1040 COPPER CU,DISS UG/L	1049 LEAD PB,DISS UG/L	1065 NICKEL NI,DISS UG/L	1090 ZINC ZN,DISS UG/L	1094 ZINC TOT REC UG/L	1113 CADMIUM TOT REC UG/L	1114 LEAD TOT REC UG/L	1118 CHROMIUM TOT REC UG/L
94/05/25	1140		30.0U	0.04U	0.4	0.0U	1U	2J				5.0U
94/07/27	1110		30.0U	0.04U	0.5	0.0U	1U	1U				5.0U
94/09/28	1050		30.0U	0.04U	0.5	0.0U	1U	1U				5.0U

DATE FROM TO	TIME	DEPTH FEET	1119 COPPER TOT REC UG/L	31504 TOT COLI MFIM LES /100ML	31616 FEC COLI MFM-FCBR /100ML	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
93/10/27	1140				26		14.0
93/11/22	1440				220		21.0
93/12/21	1215				53		2.6
94/01/26	1200				57		2.6
94/02/23	1035				630		5.5
94/03/30	0950				56		2.2
94/04/27	1120				69		4.7
94/05/25	1140				180	0.00P	13.0
94/06/29	1030				770		25.0
94/07/27	1110				240	0.01P	160.0
94/08/24	1030				84		85.0
94/09/28	1050				92	0.02	200.0

11A070 6711A070 12090240
NISQUALLY RIVER AT NISQUALLY
47 03 43.0 122 41 42.0 2F 0 Elev= 0 ft
53067 Washington Thurston Co. PACIFIC NORTHWEST
PUGET SOUND (Nisqually-11) 131111
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 06-11-01 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1311161 000170
MILES 0020.60 0003.40 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	340 COD HI LEVEL MG/L	400 PH SU
93/10/27	1235		446123	11.2	773	1170		66	11.4	101.6		7.30
93/11/22	1535		486123	7.2	765	1200		71	11.9	97.7		6.70
93/12/21	1405		526123	5.1	774	1510		53	12.5	96.2		7.40
94/01/26	1350		46123	5.9	771	1700		60	12.4	97.7		7.40
94/02/23	1145		86123	4.5	764	1880		68	12.2	93.7		7.20
94/03/30	1050		136123	6.4	769	2450		63	12.0	96.0		7.40
94/04/27	1200		176123	6.6	770	2500		58	11.7	94.0		7.50
94/05/25	1310		216123	11.9	764	1550		60	11.2	102.7		7.40
94/06/29	1130		266123	13.7	768	1480		63	10.2	96.7		7.40
94/07/27	1300		306123	16.1	762	1470		54	10.5	105.6		7.50
94/08/24	1130		346123	15.4	766	820		69	10.1	99.5		7.50
94/09/28	1250		396123	15.4	760	740		74	10.3	102.4		7.50

DATE FROM TO	TIME	DEPTH FEET	405 CO2 MG/L	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	605 ORG N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L
93/10/27	1235						5.0	0.20		0.010K		
93/11/22	1535						6.0	0.22		0.012		
93/12/21	1405						31.0	0.49		0.033		
94/01/26	1350						5.0	0.49		0.017		
94/02/23	1145						7.0	0.48		0.012		
94/03/30	1050						7.0	0.40		0.010K		
94/04/27	1200						5.0	0.37		0.011		
94/05/25	1310						3.0	0.32		0.010K		
94/06/29	1130						28.0	0.23		0.010K		
94/07/27	1300						4.0	0.15		0.010K		
94/08/24	1130						40.0	0.25J		0.010K		
94/09/28	1250						17.0	0.64		0.028		

DATE FROM TO	TIME	DEPTH FEET	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L
93/10/27	1235				0.106	0.013	0.010K					
93/11/22	1535				0.130	0.020	0.017					
93/12/21	1405				0.380	0.027	0.010K					
94/01/26	1350				0.351	0.017	0.010K					
94/02/23	1145				0.385	0.026	0.010K					
94/03/30	1050				0.331	0.010K	0.010K					
94/04/27	1200				0.270	0.016	0.010K					
94/05/25	1310				0.240	0.010K	0.010K					
94/06/29	1130				0.155	0.010K	0.010K					
94/07/27	1300				0.085	0.011	0.010K					
94/08/24	1130				0.185J	0.062J	0.011					
94/09/28	1250				0.183	0.037	0.010K					

DATE FROM TO	TIME	DEPTH FEET	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	1000 ARSENIC AS,DISS UG/L	1002 ARSENIC AS,TOT UG/L	1005 BARIUM BA,DISS UG/L	1025 CADMIUM CD,DISS UG/L	1027 CADMIUM CD,TOT UG/L	1030 CHROMIUM CR,DISS UG/L	1034 CHROMIUM CR,TOT UG/L

DATE FROM TO	TIME	DEPTH FEET	1040 COPPER CU,DISS UG/L	1042 COPPER CU,TOT UG/L	1049 LEAD PB,DISS UG/L	1051 LEAD PB,TOT UG/L	1065 NICKEL NI,DISS UG/L	1075 SILVER AG,DISS UG/L	1090 ZINC ZN,DISS UG/L	1092 ZINC ZN,TOT UG/L	1094 ZINC TOT REC UG/L	1113 CADMIUM TOT REC UG/L

DATE FROM TO	TIME	DEPTH FEET	1114 LEAD TOT REC UG/L	1118 CHROMIUM TOT REC UG/L	1119 COPPER TOT REC UG/L	1145 SELENIUM SE,DISS UG/L	31504 TOT COLI MFIM LES /100ML	31616 FEC COLI MFM-FCBR /100ML	71900 MERCURY HG,TOTAL UG/L	71901 MERCURY TOT REC UG/L	82079 TURBIDTY LAB NTU
93/10/27	1235							10			3.8
93/11/22	1535							13			5.8
93/12/21	1405							5			9.0
94/01/26	1350							46			5.4
94/02/23	1145							9			4.9
94/03/30	1050							2			2.1
94/04/27	1200							1			2.1
94/05/25	1310							6			1.9
94/06/29	1130							20			2.0
94/07/27	1300							8			2.3
94/08/24	1130							27			38.0
94/09/28	1250							7			36.0

14A060 4514A060
Goldsborough Cr @ Shelton
47 12 36.0 123 06 00.0 2F000 Elev= 0 ft
53045 Washington Mason Co. PACIFIC NORTHWEST
PUGET SOUND (Kennedy/Goldsboro-14) 131114
21540000 Reach=17110019056 0.000 Drg= 0 sqmi
AMBNT/STREAM

INDEX 1311161 000250 00150 0070
MILES 0029.00 0009.10 007.90 000.30 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L
93/10/25	0850		446100	9.2	780	46	129	10.5	88.7	7.40	2.0	0.44
93/11/21	0820		486100	7.9	757	39	143	10.6	89.4	7.20	6.0	0.28
93/12/19	0820		526100	5.1	775	99	74	12.0	92.2	6.90	3.0	0.46
94/01/24	0810		46100	7.7	760	140	79	10.8	90.3	7.30	4.0	0.48
94/02/21	0800		86100	6.0	761	310	79	11.6	92.9	7.50	8.0	0.40
94/03/28	0825		136100	7.2	766	114	94	11.0	90.1	7.30	5.0	0.36
94/04/25	0920		176100	8.8	757	78	104	10.3	88.8	7.40	7.0	0.19
94/05/23	0825		216100	11.0	769	51	136	9.7	86.6	7.30	2.0	0.18
94/06/27	0805		266100	12.0	771	39	153	9.5	86.5	7.90	2.0	0.18
94/07/25	0945		306100	13.6	769	28	155	9.1	86.1	7.40	2.0	0.17
94/08/22	0955		346100	13.4	765	23	188	9.0	85.2	7.10	2.0	0.18J
94/09/26	1005		396100	12.5	768	26	184	9.2	85.1	7.50	2.0	

DATE FROM TO	TIME	DEPTH FEET	610 NH3+NH4- N TOTAL MG/L	630 NO2+NO3 N-TOTAL MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	31616 FEC COLI MFM-FCBR /100ML	82079 TURBIDTY LAB NTU
93/10/25	0850		0.014	0.136	0.035	0.014	55	1.7
93/11/21	0820		0.015	0.085	0.031	0.015	310	5.2
93/12/19	0820		0.016	0.302	0.020	0.010K	11	1.5
94/01/24	0810		0.021	0.240	0.021	0.010K	14	2.3
94/02/21	0800		0.010K	0.275	0.019	0.010K	7	1.9
94/03/28	0825		0.010K	0.157	0.010K	0.010K	3	1.9
94/04/25	0920		0.016	0.074	0.029	0.010K	8	2.1
94/05/23	0825		0.010K	0.080	0.010K	0.012	47	1.2
94/06/27	0805		0.021	0.079	0.019	0.012	56	1.3
94/07/25	0945		0.010K	0.059	0.029	0.014	30	1.2
94/08/22	0955		0.023J	0.101J	0.040J	0.019	53	1.8
94/09/26	1005			0.086		0.014	37	1.0

16A070 4516A070 12061500 541074
SKOKOMISH RIVER NEAR POTLATCH
47 18 36.0 123 10 33.0 2F 0 Elev= 0 ft
53045 Washington Mason Co. PACIFIC NORTHWEST
PUGET SOUND (Skokomisk/Dosewallips-16) 131116
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 25-16-99 Class= AA Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1311211 001260
MILES 0050.80 0005.30 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU
93/10/25	0930		446101	8.8	779	431			65	10.6	88.7	7.10
93/11/21	0850		486101	8.4	756	296			72	10.1	86.3	7.50
93/12/19	0850		526101	6.2	774	1290			51	11.8	93.3	7.10
94/01/24	0910		46101	7.0	759	1960			49	11.6	95.4	7.00
94/02/21	0840		86101	5.7	761	1620			57	11.9	94.6	7.40
94/03/28	0900		136101	5.8	766	975			58	11.7	92.6	7.50
94/04/25	0950		176101	7.4	757	618			56	11.2	93.3	7.70
94/05/23	0930		216101	10.0	767	431			67	11.3	98.8	7.40
94/06/27	0840		266101	10.5	769	402			70	10.3	90.8	7.90
94/07/25	1025		306101	12.4	767	252			64	10.1	93.2	7.30
94/08/22	1030		346101	10.8	764	180J			74	11.2	100.2	7.20
94/09/26	1050		396101	10.7	767	180			78	9.9	87.9	7.40

DATE FROM TO	TIME	DEPTH FEET	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	605 ORG N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L
93/10/25	0930					4.0	0.24		0.010K			
93/11/21	0850					5.0	0.16		0.010			
93/12/19	0850					12.0	0.23		0.018			
94/01/24	0910					24.0	0.19		0.016			
94/02/21	0840					10.0	0.15		0.010K			
94/03/28	0900					4.0	0.10		0.010K			
94/04/25	0950					2.0	0.07		0.010K			
94/05/23	0930					1.0	0.09		0.010K			
94/06/27	0840					2.0	0.09		0.013			
94/07/25	1025					1.0	0.09		0.010K			
94/08/22	1030					1.0K	0.12J		0.010K			
94/09/26	1050					2.0						

DATE FROM TO	TIME	DEPTH FEET	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L
93/10/25	0930			0.158		0.010K	0.010K					
93/11/21	0850			0.091		0.014	0.010K					
93/12/19	0850			0.184		0.016	0.010K					
94/01/24	0910			0.107		0.021	0.010K					
94/02/21	0840			0.122		0.014	0.010K					
94/03/28	0900			0.076		0.010K	0.010K					
94/04/25	0950			0.065		0.013	0.010K					
94/05/23	0930			0.031		0.010K	0.010K					
94/06/27	0840			0.050		0.010K	0.010K					
94/07/25	1025			0.052		0.010K	0.010K					
94/08/22	1030			0.054J		0.030J	0.014					
94/09/26	1050			0.072			0.010K					

DATE FROM TO	TIME	DEPTH FEET	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1020 BORON B,DISS UG/L	1045 IRON FE,TOT UG/L	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML
93/10/25	0930											31
93/11/21	0850											110J
93/12/19	0850											6
94/01/24	0910											2
94/02/21	0840											2
94/03/28	0900											1
94/04/25	0950											2
94/05/23	0930											17
94/06/27	0840											18
94/07/25	1025											18
94/08/22	1030											74
94/09/26	1050											15

DATE FROM TO	TIME	DEPTH FEET	31625 FEC COLI M-FCAGAD /100 ML	70300 RESIDUE DISS-180 C MG/L	82079 TURBIDTY LAB NTU
93/10/25	0930				2.0
93/11/21	0850				1.6
93/12/19	0850				6.5
94/01/24	0910				14.0
94/02/21	0840				6.1
94/03/28	0900				1.7
94/04/25	0950				1.1
94/05/23	0930				0.5
94/06/27	0840				0.6
94/07/25	1025				0.5

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	31625 FEC COLI M-FCAGAD /100 ML	70300 RESIDUE DISS-180 C MG/L	82079 TURBIDTY LAB NTU
94/08/22	1030				0.7
94/09/26	1050				0.5K

16B110 4516B110 12054500
HAMMA HAMMA RIVER NEAR ELDON
47 35 18.0 123 06 57.0 2F 0 Elev= 0 ft
53045 Washington Mason Co. PACIFIC NORTHWEST
PUGET SOUND (Skokomisk/Dosewallips-16) 131116
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 25-16-99 Class= AA Miles= 0.00 to 0.00
AMBNT/STREAM

INDEX 1311211 000900
MILES 0037.30 0006.20 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L
93/10/25	1045		446103	8.3	766		71	11.9	100.2	7.30		
93/11/21	1010		486103	7.7	741		73	11.4	97.7	7.60		
93/12/19	1010		526103	5.6	760		53	12.5	99.2	7.30		
94/01/24	1015		46103	5.6	744		52	12.6	102.1	7.40		
94/02/21	0940		86103	4.8	745		64	12.4	98.4	7.30		
94/03/28	1000		136103	4.5	751		61	12.5	97.6	7.10		
94/04/25	1110		176103	5.3	742		54	12.0	96.9	7.70		
94/05/23	1035		216103	7.9	753		60	11.8	100.1	7.40		
94/06/27	1000		266103	8.8	754		65	11.5	99.5	7.80		
94/07/25	1150		306103	10.3	752		59	10.4	93.4	7.50		
94/08/22	1150		346103	9.6	750		68	11.6	102.9	7.00		
94/09/26	1210		396103	9.6	751		74	11.4	100.9	7.40		

DATE FROM TO	TIME	DEPTH FEET	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	630 NO2+NO3 N-TOTAL MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L
93/10/25	1045		1.0	0.17	0.010K			0.140	0.010K	0.010K		
93/11/21	1010		1.0K	0.12	0.010K			0.094	0.010K	0.010K		
93/12/19	1010		1.0	0.17	0.010K			0.144	0.010K	0.010K		
94/01/24	1015		15.0	0.15	0.010K			0.098	0.010K	0.010K		
94/02/21	0940		2.0	0.09	0.010K			0.082	0.010K	0.010K		
94/03/28	1000		1.0	0.06	0.010K			0.045	0.010K	0.010K		
94/04/25	1110		1.0K	0.09	0.010K			0.055	0.010K	0.010K		
94/05/23	1035		1.0K	0.06	0.010K			0.032	0.010K	0.010K		
94/06/27	1000		1.0K	0.07	0.010K			0.036	0.010K	0.010K		
94/07/25	1150		1.0K	0.08	0.010K			0.042	0.010K	0.010K		
94/08/22	1150		1.0K	0.08J	0.010K			0.067J	0.022J	0.010K		
94/09/26	1210		1.0					0.071		0.010K		

DATE FROM TO	TIME	DEPTH FEET	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	31504 TOT COLI MFIM LES /100ML	31616 FEC COLI MFM-FCBR /100ML	82079 TURBIDTY LAB NTU

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	31504 TOT COLI MFIM LES /100ML	31616 FEC COLI MFM-FCBR /100ML	82079 TURBIDTY LAB NTU
93/10/25	1045									2	0.5
93/11/21	1010									4	0.6
93/12/19	1010									1K	0.7
94/01/24	1015									1K	6.6
94/02/21	0940									1K	0.6
94/03/28	1000									1K	0.5
94/04/25	1110									1K	0.5
94/05/23	1035									2	0.5
94/06/27	1000									1	0.5K
94/07/25	1150									2	0.5K
94/08/22	1150									1	0.5K
94/09/26	1210									1	0.5K

16C090 3116C090 12054000
DUCKABUSH RIVER NEAR BRINNON
47 41 03.0 123 00 37.0 2F 0 Elev= 0 ft
53031 Washington Jefferson Co. PACIFIC NORTHWEST
PUGET SOUND (Skokomisk/Dosewallips-16) 131116
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 25-16-99 Class= AA Miles= 0.00 to 0.00
AMBNT/STREAM

INDEX 1311211 000700
MILES 0029.40 0004.50 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU	410 T ALK CACO3 MG/L
93/10/25	1150		446104	7.7	773	123		76	12.1	99.4	7.30	
93/11/21	1050		486104	5.9	750	93J		89	12.5	101.4	7.80	
93/12/19	1100		526104	4.2	767	270		63	12.9	97.9	6.90	
94/01/24	1105		46104	5.5	753	700J		50	12.7	101.5	7.10	
94/02/21	1045		86104	4.1	753	300J		70	12.8	98.6	7.20	
94/03/28	1050		136104	4.2	757	369		71	12.7	97.6	7.30	
94/04/25	1220		176104	5.1	749	366		60	12.3	97.8	7.60	
94/05/23	1135		216104	7.9	761	364		64	11.9	99.8	7.30	
94/06/27	1100		266104	9.3	761	292		74	11.5	99.7	7.70	
94/07/25	1235		306104	13.1	758	167		63	10.7	101.4	7.70	
94/08/22	1255		346104	10.9	757	85J		82	11.2	101.3	7.60	
94/09/26	1300		396104	10.9	758	59		87	11.3	102.1	7.70	

DATE FROM TO	TIME	DEPTH FEET	440 HCO3 ION HCO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P
93/10/25	1150			2.0	0.14	0.010K				0.084	0.010K	0.010K
93/11/21	1050			1.0K	0.07	0.010K				0.031	0.010K	0.010K
93/12/19	1100			1.0	0.11	0.010K				0.084	0.010K	0.010K
94/01/24	1105			19.0	0.12	0.011				0.067	0.010K	0.010K
94/02/21	1045			2.0	0.06	0.010K				0.041	0.010K	0.010K
94/03/28	1050			1.0	0.04	0.010K				0.017	0.010K	0.010K
94/04/25	1220			2.0	0.03	0.010K				0.026	0.010K	0.010K
94/05/23	1135			1.0K	0.03	0.010K				0.010K	0.010K	0.010K
94/06/27	1100			1.0K	0.06	0.010K				0.010K	0.010K	0.010K
94/07/25	1235			1.0K	0.04	0.010K				0.010K	0.010K	0.010K
94/08/22	1255			1.0K	0.01J	0.010K				0.014J	0.010J	0.010K
94/09/26	1300			1.0K						0.021		0.010K

DATE FROM TO	TIME	DEPTH FEET	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	31504 TOT COLI MFIM LES /100ML	31616 FEC COLI MFM-FCBR /100ML

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	31504 TOT COLI MFIM LES /100ML	31616 FEC COLI MFM-FCBR /100ML
93/10/25	1150											11
93/11/21	1050											2
93/12/19	1100											1
94/01/24	1105											1K
94/02/21	1045											1K
94/03/28	1050											1K
94/04/25	1220											1K
94/05/23	1135											1
94/06/27	1100											4
94/07/25	1235											3
94/08/22	1255											1K
94/09/26	1300											1K

DATE FROM TO	TIME	DEPTH FEET	82079 TURBIDTY LAB NTU
93/10/25	1150		1.0
93/11/21	1050		0.5
93/12/19	1100		0.7
94/01/24	1105		9.7
94/02/21	1045		0.6
94/03/28	1050		0.6
94/04/25	1220		0.7
94/05/23	1135		0.9
94/06/27	1100		0.7
94/07/25	1235		0.5K
94/08/22	1255		0.5K
94/09/26	1300		0.5K

16D070 3116D070 12053500 541069
DOSEWALLIPS RIVER AT BRINNON
47 41 25.0 122 53 52.0 2F 0 Elev= 0 ft
53031 Washington Jefferson Co. PACIFIC NORTHWEST
PUGET SOUND (Skokomisk/Dosewallips-16) 131116
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 25-16-99 Class= AA Miles= 0.00 to 0.00
AMBNT/STREAM

INDEX 1311211 000600 00050
MILES 0026.00 0001.80 000.40 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU
93/10/25	1220		446105	7.9	779	152			96	12.2	100.0	7.50
93/11/21	1115		486105	5.4	756	98			118	12.5	99.3	7.80
93/12/19	1130		526105	4.1	774	380			79	13.0	97.5	7.60
94/01/24	1135		46105	5.9	759	1330			67	12.6	100.9	7.60
94/02/21	1115		86105	4.8	761	540			80	12.6	97.8	7.40
94/03/28	1120		136105	5.2	765	350			97	12.3	96.1	7.50
94/04/25	1245		176105	6.6	757	140			76	12.0	98.1	7.80
94/05/23	1210		216105	9.4	767	520			79	11.6	100.0	7.30
94/06/27	1130		266105	10.7	767	420			87	11.3	100.4	7.80
94/07/25	1315		306105	14.3	765	210			72	10.4	100.3	7.60
94/08/22	1325		346105	12.0	764	91			103	11.0	101.0	7.60
94/09/26	1340		396105	12.9	765	94			112	11.0	103.0	7.80

DATE FROM TO	TIME	DEPTH FEET	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L
93/10/25	1220					8.0	0.08	0.010K				0.040
93/11/21	1115					1.0	0.04	0.010K				0.010K
93/12/19	1130					3.0	0.17	0.010K				0.142
94/01/24	1135					19.0	0.16	0.010K				0.096
94/02/21	1115					5.0	0.12	0.010K				0.104
94/03/28	1120					2.0	0.06	0.010K				0.024
94/04/25	1245					2.0	0.04	0.010K				0.043
94/05/23	1210					2.0	0.04	0.010K				0.010K
94/06/27	1130					2.0	0.02	0.010K				0.010K
94/07/25	1315					3.0	0.04	0.010K				0.010K
94/08/22	1325					4.0	0.01J	0.010K				0.010K
94/09/26	1340					1.0						0.010K

DATE FROM TO	TIME	DEPTH FEET	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L
93/10/25	1220			0.010K	0.010K							
93/11/21	1115			0.010K	0.010K							
93/12/19	1130			0.010K	0.010K							
94/01/24	1135			0.022	0.010K							
94/02/21	1115			0.010K	0.010K							
94/03/28	1120			0.010K	0.010K							
94/04/25	1245			0.010K	0.010K							
94/05/23	1210			0.010K	0.010K							
94/06/27	1130			0.010K	0.010K							
94/07/25	1315			0.010K	0.010K							
94/08/22	1325			0.010K	0.010K							
94/09/26	1340				0.010K							

DATE FROM TO	TIME	DEPTH FEET	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1020 BORON B,DISS UG/L	1034 CHROMIUM CR,TOT UG/L	1042 COPPER CU,TOT UG/L	1045 IRON FE,TOT UG/L	1092 ZINC ZN,TOT UG/L	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML

DATE FROM TO	TIME	DEPTH FEET	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L	82079 TURBIDTY LAB NTU
93/10/25	1220		6		5.7
93/11/21	1115		6		0.8
93/12/19	1130		2		1.2
94/01/24	1135		1K		9.5
94/02/21	1115		6		1.9
94/03/28	1120		1K		0.6
94/04/25	1245		1K		1.3
94/05/23	1210		1		1.8
94/06/27	1130		2		1.6
94/07/25	1315		3		1.9
94/08/22	1325		7		0.5K
94/09/26	1340		1		0.5

16E070 4516E070
Finch Cr @ Hoodsport
47 24 24.8 123 08 39.1 2F000 Elev= 0 ft
53045 Washington Mason Co. PACIFIC NORTHWEST
PUGET SOUND (Skokomisk/Dosewallips-16) 131116
21540000 Reach=17110018033 0.000 Drg= 0 sqmi
AMBNT/STREAM

INDEX 1311211 001120
MILES 0047.80 0000.10 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L
93/10/25	0955		446102	8.2	780	82	12.0	98.9	7.50	2.0	0.25	0.013
93/11/21	0920		486102	8.0	756	84	11.2	94.8	7.70	3.0	0.24	0.013
93/12/19	0915		526102	6.7	775	56	12.0	95.9	7.40	3.0	0.34	0.027
94/01/24	0930		46102	7.7	760	67	11.8	98.6	7.70	1.0	0.24	0.011
94/02/21	0900		86102	6.4	761	62	12.0	97.0	7.30	2.0	0.26	0.010K
94/03/28	0920		136102	6.8	766	71	12.1	98.2	7.80	1.0	0.13	0.010K
94/04/25	1020		176102	7.8	757	67	11.7	98.4	7.90	1.0	0.09	0.010
94/05/23	1000		216102	9.6	769	79	11.7	101.2	7.80	1.0K	0.11	0.010K
94/06/27	0915		266102	9.3	770	84	11.4	97.7	7.70	1.0K	0.13	0.010K
94/07/25	1050		306102	10.4	768	74	11.2	98.7	7.60	1.0K	0.14	0.010K
94/08/22	1055		346102	10.6	765	85	11.7	104.0	7.30	1.0K	0.17J	0.020J
94/09/26	1120		396102	11.4	768	88	11.7	105.4	7.90	1.0K		

DATE FROM TO	TIME	DEPTH FEET	630 NO2+NO3 N-TOTAL MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	31616 FEC COLI MFM-FCBR /100ML	82079 TURBIDTY LAB NTU
93/10/25	0955		0.166	0.028	0.024	19	1.0
93/11/21	0920		0.179	0.032	0.022	240	2.1
93/12/19	0915		0.298	0.021	0.016	13	0.9
94/01/24	0930		0.200	0.017	0.015	2	0.5
94/02/21	0900		0.213	0.015	0.013	9	0.9
94/03/28	0920		0.114	0.010	0.015	2	0.5K
94/04/25	1020		0.093	0.024	0.014	10	0.5K
94/05/23	1000		0.079	0.010K	0.017	11	0.5K
94/06/27	0915		0.103	0.018	0.018	5	0.5K
94/07/25	1050		0.096	0.024	0.020	18	0.5K
94/08/22	1055		0.090J	0.030J	0.027	15	0.6
94/09/26	1120		0.053		0.015	35	0.5K

17A070 3117A070 12052500 541070
BIG QUILCENE RIVER NEAR QUILCENE
47 48 39.0 122 54 33.0 2F 0 Elev= 0 ft
53031 Washington Jefferson Co. PACIFIC NORTHWEST
PUGET SOUND (Quilcene/Snow-17) 131117
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 09-17-03 Class= AA Miles= 0.00 to 0.00
AMBNT/STREAM

INDEX 1311211 000600 00150 0050
MILES 0026.00 0007.00 004.20 002.60 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU
93/10/25	1255		446106	8.7	777	192			154	11.9	99.7	7.60
93/11/21	1150		486106	5.2	753	34			161	12.6	100.0	7.60
93/12/19	1200		526106	4.9	771	167			81	12.7	97.6	7.70
94/01/24	1205		46106	6.2	756	317			74	12.2	98.9	7.50
94/02/21	1140		86106	5.4	757	317			86	12.5	99.1	7.50
94/03/28	1155		136106	6.1	761	142			95	12.3	98.8	7.80
94/04/25	1315		176106	6.5	754	187			76	11.9	97.3	8.00
94/05/23	1255		216106	10.4	764	132			92	11.4	101.1	7.70
94/06/27	1210		266106	10.7	764	88			115	11.2	99.9	7.90
94/07/25	1350		306106	14.8	762	62			96	10.2	99.8	7.60
94/08/22	1400		346106	12.5	762	33			137	10.6	98.7	7.60
94/09/26	1420		396106	13.4	762	28			157	10.5	99.8	7.80

DATE FROM TO	TIME	DEPTH FEET	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L
93/10/25	1255					3.0	0.17	0.022				0.082
93/11/21	1150					1.0	0.15	0.024				0.075
93/12/19	1200					32.0	0.36	0.010K				0.275
94/01/24	1205					13.0	0.13	0.010K				0.079
94/02/21	1140					5.0	0.29	0.010K				0.266
94/03/28	1155					2.0	0.10	0.010K				0.061
94/04/25	1315					2.0	0.06	0.010K				0.040
94/05/23	1255					1.0K	0.06	0.010K				0.024
94/06/27	1210					1.0K	0.06	0.010K				0.035
94/07/25	1350					1.0K	0.08	0.017				0.031
94/08/22	1400					2.0	0.08J	0.010K				0.051J
94/09/26	1420					2.0						0.059

DATE FROM TO	TIME	DEPTH FEET	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L
93/10/25	1255			0.010K	0.010K							
93/11/21	1150			0.010K	0.010K							
93/12/19	1200			0.014	0.010K							
94/01/24	1205			0.010K	0.010K							
94/02/21	1140			0.010K	0.010K							
94/03/28	1155			0.010K	0.010K							
94/04/25	1315			0.011	0.010K							
94/05/23	1255			0.010K	0.010K							
94/06/27	1210			0.010K	0.010K							
94/07/25	1350			0.010K	0.010K							
94/08/22	1400			0.011J	0.010K							
94/09/26	1420				0.010K							

DATE FROM TO	TIME	DEPTH FEET	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1020 BORON B,DISS UG/L	1030 CHROMIUM CR,DISS UG/L	1040 COPPER CU,DISS UG/L	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L	1090 ZINC ZN,DISS UG/L	31504 TOT COLI MFIM LES /100ML

DATE FROM TO	TIME	DEPTH FEET	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
93/10/25	1255			15			0.5
93/11/21	1150			19			0.5
93/12/19	1200			3			5.5
94/01/24	1205			1K			10.0
94/02/21	1140			1K			3.0
94/03/28	1155			1K			0.5K
94/04/25	1315			1K			1.2
94/05/23	1255			1K			0.8
94/06/27	1210			10			0.5K
94/07/25	1350			210J			0.5K
94/08/22	1400			26			0.5K
94/09/26	1420			23			0.5K

17B070 3117B070
Chimacum Cr nr Irondale
48 02 30.0 122 46 48.0 2F000 Elev= 0 ft
53031 Washington Jefferson Co. PACIFIC NORTHWEST
PUGET SOUND (Quilcene/Snow-17) 131117
21540000 Reach=17110019003 0.000 Drg= 0 sqmi
AMBNT/STREAM

INDEX 1311213
MILES 0001.20 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L
93/10/25	1400		446107	9.1	778	9	236	11.0	92.9	7.60	4.0	0.70
93/11/21	1235		486107	5.3	754	9	222	10.8	85.8	7.80	3.0	0.71
93/12/19	1245		526107	3.8	772	40	211	10.6	79.1	7.20	5.0	3.47
94/01/24	1245		46107	6.9	757	20	234	10.9	89.7	7.50	10.0	1.53
94/02/21	1225		86107	5.6	759	76	202	10.3	81.9	7.20	15.0	2.75
94/03/28	1245		136107	9.2	762	24	213	10.6	91.6	7.60	10.0	1.32
94/04/25	1410		176107	9.6	757	15	191	10.8	94.9	7.80	3.0	0.88
94/05/23	1400		216107	14.6	765	10J	230	9.2	89.4	7.70	4.0	0.89
94/06/27	1310		266107	16.0	765	6J	276	8.8	88.0	7.90	4.0	0.57
94/07/25	1445		306107	16.9	764	6J	231	8.7	88.8	7.80	3.0	0.56
94/08/22	1505		346107	15.2	763	7J	252	9.2	90.8	7.70	2.0	0.41J
94/09/26	1500		396107	13.1	763	8J	258	9.7	91.5	7.80	3.0	

DATE FROM TO	TIME	DEPTH FEET	610 NH3+NH4- N TOTAL MG/L	630 NO2+NO3 N-TOTAL MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	31616 FEC COLI MFM-FCBR /100ML	82079 TURBIDTY LAB NTU
93/10/25	1400		0.023	0.270	0.105	0.061	130S	2.8
93/11/21	1235		0.023	0.389	0.091	0.063	100	2.6
93/12/19	1245		0.142	2.250	0.087	0.045	51	3.8
94/01/24	1245		0.069	0.644	0.097	0.049	81	5.0
94/02/21	1225		0.050	1.480	0.091	0.041	210S	6.8
94/03/28	1245		0.037	0.662	0.063	0.044	110	4.0
94/04/25	1410		0.016	0.311	0.097	0.055	92	2.9
94/05/23	1400		0.018	0.328	0.134	0.091	200	4.7
94/06/27	1310		0.024	0.263	0.126	0.102	190	3.5
94/07/25	1445		0.023	0.222	0.131	0.095	100	4.5
94/08/22	1505		0.034J	0.151J	0.101J	0.081	380	3.4
94/09/26	1500			0.176		0.053	84	3.2

17B100 3117B100
Chimacum Cr @ Chimacum
48 00 42.6 122 46 23.7 2F000 Elev= 0 ft
53031 Washington Jefferson Co. PACIFIC NORTHWEST
PUGET SOUND (Quilcene/Snow-17) 131117
21540000 Reach=17110019006 0.000 Drg= 0 sqmi
AMBNT/STREAM

INDEX 1311213
MILES 0004.20 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L
93/10/25	1425		446108	10.8	777	4	232	9.4	84.5	7.50	11.0	0.83
93/11/21	1310		486108	5.5	753	4	204	10.4	83.1	7.70	4.0	0.70
93/12/19	1305		526108	4.0	771	14	194	9.6	72.1	7.20	5.0	3.56
94/01/24	1305		46108	6.5	756	4	223	9.5	77.5	7.40	10.0	1.66
94/02/21	1245		86108	6.0	757	30	181	10.1	81.3	7.00	14.0	2.49
94/03/28	1305		136108	9.8	760	5	190	10.8	94.9	7.60	9.0	1.46
94/04/25	1430		176108	12.2	757	3	172	13.1	122.1	8.10	15.0	0.77
94/05/23	1420		216108	17.5	763	3	206	11.1	114.8	8.00	2.0	0.72
94/06/27	1340		266108	18.0	764	2	225	6.9	72.0	7.60	2.0	0.32
94/07/25	1510		306108	20.9	763	2J	185	5.3	58.6	7.20	1.0	0.48
94/08/22	1525		346108	17.5	761	2J	208	4.2	43.6	7.20	1.0	0.25J
94/09/26	1525		396108	14.4	762	2J	212	5.7	55.4	7.20	2.0	

DATE FROM TO	TIME	DEPTH FEET	610 NH3+NH4- N TOTAL MG/L	630 NO2+NO3 N-TOTAL MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	31616 FEC COLI MFM-FCBR /100ML	82079 TURBIDTY LAB NTU
93/10/25	1425		0.111	0.164	0.164	0.102	700J	3.9
93/11/21	1310		0.080	0.292	0.136	0.096	2500J	3.6
93/12/19	1305		0.213	2.180	0.110	0.061	91S	4.0
94/01/24	1305		0.190	0.609	0.128	0.074	270S	5.9
94/02/21	1245		0.073	1.380	0.111	0.049	170S	11.0
94/03/28	1305		0.086	0.692	0.085	0.061	1200J	6.2
94/04/25	1430		0.033	0.234	0.118	0.067	190	3.0
94/05/23	1420		0.029	0.145	0.147	0.107	280	2.9
94/06/27	1340		0.022	0.017	0.163	0.122	240	2.0
94/07/25	1510		0.052	0.010K	0.173	0.137	72	1.0
94/08/22	1525		0.013J	0.010K	0.132J	0.109	210	0.7
94/09/26	1525			0.020		0.077	2500J	1.1

18A070 0918A070 12048600 541075
DUNGENESS RIVER NEAR SEQUIM
48 04 34.0 123 08 58.0 2F 0 Elev= 0 ft
53009 Washington Clallam Co. PACIFIC NORTHWEST
PUGET SOUND (Elwha/Dungeness-18) 131118
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 09-18-05 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM

INDEX 1311227
MILES 0006.90 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU
93/10/25	1600		446109	9.3	773	114			126	11.9	101.6	7.80
93/11/21	1420		486109	5.5	749	50			154	12.7	102.1	8.40
93/12/19	1430		526109	3.7	765	180			108	13.0	97.6	
94/01/24	1415		46109	5.2	752	344			105	12.6	100.0	7.50
94/02/21	1400		86109	4.4	753	192			137	12.9	100.2	7.60
94/03/28	1440		136109	7.3	755	286			132	12.1	100.9	7.80
94/04/25	1545		176109	8.4	752	349			97	11.3	97.1	8.10
94/05/23	1530		216109	12.3	759	370			98	10.9	101.5	7.80
94/06/27	1450		266109	13.4	760	334			107	9.9	94.3	8.00
94/07/25	1630		306109	14.3	758	204			84	10.2	99.3	7.90
94/08/22	1650		346109	12.8	756	47			130	10.4	98.2	7.70
94/09/26	1650		396109	14.9	756	26			149	10.1	99.8	8.10

DATE FROM TO	TIME	DEPTH FEET	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L
93/10/25	1600					2.0	0.08	0.010K				0.017
93/11/21	1420					1.0K	0.05	0.010K				0.010K
93/12/19	1430					2.0	0.15	0.010K				0.103
94/01/24	1415					6.0	0.12	0.010K				0.067
94/02/21	1400					3.0	0.12	0.010K				0.054
94/03/28	1440					2.0	0.04	0.010K				0.012
94/04/25	1545					2.0	0.01	0.010K				0.014
94/05/23	1530					3.0	0.03	0.010K				0.010K
94/06/27	1450					2.0	0.05	0.030				0.010K
94/07/25	1630					2.0	0.05	0.010K				0.010K
94/08/22	1650					1.0K	0.03J	0.010K				0.010K
94/09/26	1650					2.0						0.010K

DATE FROM TO	TIME	DEPTH FEET	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L
93/10/25	1600			0.010K	0.010K							
93/11/21	1420			0.010K	0.010K							
93/12/19	1430			0.010K	0.010K							
94/01/24	1415			0.010K	0.010K							
94/02/21	1400			0.010K	0.010K							
94/03/28	1440			0.010K	0.010K							
94/04/25	1545			0.010K	0.010K							
94/05/23	1530			0.010K	0.010K							
94/06/27	1450			0.010K	0.010K							
94/07/25	1630			0.010K	0.010K							
94/08/22	1650			0.011J	0.010K							
94/09/26	1650				0.010K							

DATE FROM TO	TIME	DEPTH FEET	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1020 BORON B,DISS UG/L	1045 IRON FE,TOT UG/L	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L	82079 TURBIDTY LAB NTU
93/10/25	1600									1		2.2
93/11/21	1420									1		0.4
93/12/19	1430									1		2.1
94/01/24	1415									3		3.5
94/02/21	1400									57		2.2
94/03/28	1440									1		1.1
94/04/25	1545									1K		1.6
94/05/23	1530									1		2.0
94/06/27	1450									1		1.8
94/07/25	1630									2		1.6
94/08/22	1650									7		0.5K
94/09/26	1650									1K		0.5K

18B070 0918B070 12045560 541076
ELWHA RIVER NEAR PORT ANGELES
48 03 56.0 123 34 35.0 2F 0 Elev= 0 ft
53009 Washington Clallam Co. PACIFIC NORTHWEST
PUGET SOUND (Elwha/Dungeness-18) 131118
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 09-18-06 Class= AA Miles= 0.00 to 0.00
AMBNT/STREAM

INDEX 1311241
MILES 0008.10 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU
93/10/26	0900		446111	10.1	777	448			100	11.8	102.2	7.30
93/11/22	0840		486111	5.6	762	311			110	12.4	98.2	7.70
93/12/20	0805		526111	4.4	771	969			67	12.8	97.1	7.70
94/01/25	0815		46111	5.0	760	1650			91	12.8	100.1	7.90
94/02/22	0655		86111	3.7	763	883			100	12.9	97.2	7.70
94/03/29	0815		136111	4.0	765	1520			95	12.8	96.9	8.10
94/04/26	0940		176111	6.3	762	1240			77	11.8	95.1	7.90
94/05/24	0845		216111	9.2	764	1390			78	11.7	100.9	7.80
94/06/28	0850		266111	10.1	761	1250			81	11.1	98.0	8.20
94/07/26	0850		306111	13.3	764	752			70	10.5	99.3	7.50
94/08/23	0745		346111	13.7	763	392			94	10.5	100.3	7.70
94/09/27	0800		396111	12.6	762	306			105	10.5	98.0	7.70

DATE FROM TO	TIME	DEPTH FEET	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L
93/10/26	0900					15.0	0.09	0.016				0.026
93/11/22	0840					1.0K	0.05	0.010K				0.016
93/12/20	0805					19.0	0.11	0.010K				0.062
94/01/25	0815					10.0	0.08	0.011				0.047
94/02/22	0655					4.0	0.08	0.010K				0.042
94/03/29	0815					5.0	0.05	0.010K				0.012
94/04/26	0940					10.0	0.02	0.010K				0.015
94/05/24	0845					2.0	0.01K	0.010K				0.010K
94/06/28	0850					1.0	0.04	0.010K				0.010K
94/07/26	0850					1.0K	0.01	0.010K				0.010K
94/08/23	0745					1.0K	0.02J	0.010K				0.010K
94/09/27	0800					2.0						0.010K

DATE FROM TO	TIME	DEPTH FEET	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L
93/10/26	0900			0.018	0.010K							
93/11/22	0840			0.010K	0.010K							
93/12/20	0805			0.032	0.010K							
94/01/25	0815			0.010K	0.010K							
94/02/22	0655			0.010K	0.010K							
94/03/29	0815			0.010K	0.010K							
94/04/26	0940			0.014	0.010K							
94/05/24	0845			0.010K	0.010K							
94/06/28	0850			0.010K	0.010K							
94/07/26	0850			0.010K	0.010K							
94/08/23	0745			0.010J	0.010K							
94/09/27	0800				0.010K							

DATE FROM TO	TIME	DEPTH FEET	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1020 BORON B,DISS UG/L	1034 CHROMIUM CR,TOT UG/L	1042 COPPER CU,TOT UG/L	1045 IRON FE,TOT UG/L	1092 ZINC ZN,TOT UG/L	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML

DATE FROM TO	TIME	DEPTH FEET	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L	82079 TURBIDTY LAB NTU
93/10/26	0900		7		18.0
93/11/22	0840		1		1.0
93/12/20	0805		4		25.0
94/01/25	0815		2		8.7
94/02/22	0655		1K		4.2
94/03/29	0815		1K		5.5
94/04/26	0940		1K		10.0
94/05/24	0845		1K		2.0
94/06/28	0850		1		1.6
94/07/26	0850		4		0.8
94/08/23	0745		2		0.5
94/09/27	0800		1		0.9

20A090 0920A090 12042300
SOLEDUCK RIVER NEAR FORKS
48 01 15.0 124 22 55.0 2F 0 Elev= 0 ft
53009 Washington Clallam Co. PACIFIC NORTHWEST
COASTAL (Soleduck/Hoh-20) 131220
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 09-20-12 Class= AA Miles= 0.00 to 0.00
AMBNT/STREAM

INDEX 1312040
MILES 0023.40 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU	410 T ALK CACO3 MG/L
93/10/26	1030		446112	8.3	772	440		76	12.4	103.5	7.40	
93/11/22	1005		486112	4.3	755	1160		65	12.6	97.3	8.00	
93/12/20	0915		526112	5.2	767	1170		65	12.6	98.0	7.70	
94/01/25	0920		46112	6.5	757	1730		66	12.1	98.6	7.20	
94/02/22	0805		86112	4.9	760	1800		70	12.4	96.7	7.20	
94/03/29	0925		136112	5.8	762	1570		74	12.2	97.1	7.50	
94/04/26	1050		176112	7.2	760	900		69	11.9	98.3	7.90	
94/05/24	1000		216112	11.4	738	530		82	10.9	102.3	7.80	
94/06/28	1000		266112	12.9	760	595		83	10.7	100.8	8.00	
94/07/26	1005		306112	13.7	761	270		79	10.7	102.4	7.60	
94/08/23	0905		346112	12.7	760	180		94	11.0	103.2	7.60	
94/09/27	0920		396112	12.4	758	140		99	10.2	95.3	7.60	

DATE FROM TO	TIME	DEPTH FEET	440 HCO3 ION HCO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P
93/10/26	1030			1.0	0.35	0.010				0.305	0.010K	0.010K
93/11/22	1005			3.0	0.52	0.012				0.451	0.015	0.010K
93/12/20	0915			1.0	0.33	0.010K				0.307	0.010K	0.010K
94/01/25	0920			3.0	0.35	0.010K				0.293	0.010K	0.010K
94/02/22	0805			3.0	0.34	0.010K				0.340	0.010K	0.010K
94/03/29	0925			3.0	0.17	0.021				0.112	0.010K	0.010K
94/04/26	1050			2.0	0.14	0.010K				0.107	0.010K	0.010K
94/05/24	1000			1.0K	0.09	0.010K				0.059	0.010K	0.010K
94/06/28	1000			1.0K	0.11	0.010K				0.064	0.010K	0.010K
94/07/26	1005			1.0K	0.12	0.010K				0.057	0.010K	0.010K
94/08/23	0905			1.0	0.13J	0.010K				0.084J	0.011J	0.010K
94/09/27	0920			1.0						0.103		0.010K

DATE FROM TO	TIME	DEPTH FEET	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	31504 TOT COLI MFIM LES /100ML	31616 FEC COLI MFM-FCBR /100ML

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	31504 TOT COLI MFIM LES /100ML	31616 FEC COLI MFM-FCBR /100ML
93/10/26	1030											44
93/11/22	1005											56
93/12/20	0915											2
94/01/25	0920											6
94/02/22	0805											12
94/03/29	0925											6
94/04/26	1050											2
94/05/24	1000											22
94/06/28	1000											7
94/07/26	1005											11
94/08/23	0905											41
94/09/27	0920											4

DATE FROM TO	TIME	DEPTH FEET	82079 TURBIDTY LAB NTU
93/10/26	1030		1.1
93/11/22	1005		2.0
93/12/20	0915		0.6
94/01/25	0920		1.4
94/02/22	0805		1.5
94/03/29	0925		1.3
94/04/26	1050		0.6
94/05/24	1000		0.5K
94/06/28	1000		0.5
94/07/26	1005		0.5K
94/08/23	0905		0.1K
94/09/27	0920		0.5K

20B070 3120B070 12041200 541079
HOH RIVER AT DNR CAMPGROUND
47 48 25.0 124 14 59.0 2F 0 Elev= 0 ft
53031 Washington Jefferson Co. PACIFIC NORTHWEST
COASTAL (Soleduck/Hoh-20) 131220
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 09-20-11 Class= AA Miles= 0.00 to 0.00
AMBNT/STREAM

INDEX 1312046
MILES 0016.50 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU
93/10/26	1125		446113	7.9	773	1250			80	12.3	101.6	7.40
93/11/22	1105		486113	4.4	757	1870			72	12.5	96.6	7.90
93/12/20	1005		526113	5.4	769	1990			68	12.5	97.6	7.50
94/01/25	1010		46113	6.4	760	3120			71	12.0	97.1	7.20
94/02/22	0905		86113	4.7	763	2530			69	12.5	96.6	7.10
94/03/29	1005		136113	5.8	763	2090			78	12.3	97.7	7.40
94/04/26	1150		176113	7.0	762	1440			71	12.1	99.2	7.90
94/05/24	1050		216113	10.4	763	1370			82	11.4	101.2	7.50
94/06/28	1050		266113	12.2	761	1550			82	11.1	102.8	7.90
94/07/26	1055		306113	11.9	763	1350			62	11.0	101.0	7.40
94/08/23	1025		346113	12.0	762	673			78	11.1	102.2	7.50
94/09/27	1005		396113	11.6	760	673			83	11.0	100.7	7.60

DATE FROM TO	TIME	DEPTH FEET	405 CO2 MG/L	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L
93/10/26	1125						8.0	0.19	0.010K			
93/11/22	1105						6.0	0.24	0.010K			
93/12/20	1005						4.0	0.23	0.010K			
94/01/25	1010						9.0	0.16	0.012			
94/02/22	0905						4.0	0.19	0.010K			
94/03/29	1005						7.0	0.08	0.010K			
94/04/26	1150						2.0	0.04	0.010K			
94/05/24	1050						3.0	0.01K	0.010K			
94/06/28	1050						3.0	0.06	0.012			
94/07/26	1055						12.0	0.05	0.010K			
94/08/23	1025						2.0	0.03J	0.010K			
94/09/27	1005						2.0					

DATE FROM TO	TIME	DEPTH FEET	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L
93/10/26	1125		0.153		0.010	0.010K						
93/11/22	1105		0.189		0.014	0.010K						
93/12/20	1005		0.212		0.010K	0.010K						
94/01/25	1010		0.120		0.010K	0.010K						
94/02/22	0905		0.147		0.010K	0.010K						
94/03/29	1005		0.054		0.010K	0.010K						
94/04/26	1150		0.012		0.010K	0.010K						
94/05/24	1050		0.010K		0.010K	0.010K						
94/06/28	1050		0.025		0.010K	0.010K						
94/07/26	1055		0.010K		0.011	0.010K						
94/08/23	1025		0.010J		0.012J	0.010K						
94/09/27	1005		0.020			0.010K						

DATE FROM TO	TIME	DEPTH FEET	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS. MG/L	955 SILICA DISOLVED MG/L	1000 ARSENIC AS,DISS UG/L	1005 BARIUM BA,DISS UG/L	1020 BORON B,DISS UG/L	1025 CADMIUM CD,DISS UG/L	1030 CHROMIUM CR,DISS UG/L	1034 CHROMIUM CR,TOT UG/L

DATE FROM TO	TIME	DEPTH FEET	1040 COPPER CU,DISS UG/L	1042 COPPER CU,TOT UG/L	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L	1075 SILVER AG,DISS UG/L	1090 ZINC ZN,DISS UG/L	1092 ZINC ZN,TOT UG/L	1145 SELENIUM SE,DISS UG/L	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML

DATE FROM TO	TIME	DEPTH FEET	31616 FEC COLI MFM-FCBR /100ML	31625 FEC COLI M-FCAGAD /100 ML	70300 RESIDUE DISS-180 C MG/L	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
93/10/26	1125		32				11.0
93/11/22	1105		17				5.3
93/12/20	1005		3				1.8
94/01/25	1010		3				5.6
94/02/22	0905		1				2.9
94/03/29	1005		1				2.6
94/04/26	1150		1				1.9
94/05/24	1050		2				1.9
94/06/28	1050		3				3.3
94/07/26	1055		4				13.0
94/08/23	1025		7				1.7
94/09/27	1005		14				3.4

21A070 3121A070 12040600 541080
QUEETS RIVER AT QUEETS
47 32 30.0 124 19 59.0 2F 0 Elev= 0 ft
53031 Washington Jefferson Co. PACIFIC NORTHWEST
COASTAL (Queets/Quinault-21) 131221
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 10-21-01 Class= AA Miles= 0.00 to 0.00
AMBNT/STREAM

INDEX 1312055
MILES 0001.50 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU
93/10/26	1310		446114	9.6	776	1650			65	11.6	99.3	7.20
93/11/22	1205		486114	5.3	763	4620			53	12.0	94.2	7.60
93/12/20	1110		526114	5.6	774	2840			51	12.4	96.6	7.70
94/01/25	1105		46114	6.9	765	5770			49	11.8	96.2	7.20
94/02/22	1025		86114	5.0	766	5070			51	12.3	95.4	7.00
94/03/29	1110		136114	6.8	767	3200			61	11.9	96.4	7.40
94/04/26	1230		176114	9.2	765	1890			56	11.5	99.0	7.80
94/05/24	1145		216114	13.8	767	1320			68	10.7	101.8	7.60
94/06/28	1205		266114	14.4	766	1640			69	10.6	102.3	7.60
94/07/26	1240		306114	16.7	766	870			62	10.4	105.3	7.40
94/08/23	1225		346114	15.8	765	523			76	10.1	100.6	7.60
94/09/27	1200		396114	14.7	763	682			76	10.2	99.5	7.50

DATE FROM TO	TIME	DEPTH FEET	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L
93/10/26	1310					3.0	0.30	0.010K				0.241
93/11/22	1205					12.0	0.32	0.013				0.240
93/12/20	1110					8.0	0.26	0.010K				0.233
94/01/25	1105					17.0	0.21	0.016				0.141
94/02/22	1025					9.0	0.22	0.010K				0.156
94/03/29	1110					11.0	0.11	0.010K				0.075
94/04/26	1230					5.0	0.06	0.010K				0.034
94/05/24	1145					3.0	0.03	0.010K				0.010K
94/06/28	1205					3.0	0.06	0.019				0.010K
94/07/26	1240					2.0	0.05	0.010K				0.010K
94/08/23	1225					2.0	0.05J	0.010K				0.012J
94/09/27	1200					2.0						0.010K

DATE FROM TO	TIME	DEPTH FEET	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L
93/10/26	1310			0.010K	0.010K							
93/11/22	1205			0.020	0.010K							
93/12/20	1110			0.012	0.010K							
94/01/25	1105			0.017	0.010K							
94/02/22	1025			0.016	0.010K							
94/03/29	1110			0.010K	0.010K							
94/04/26	1230			0.010K	0.010K							
94/05/24	1145			0.010K	0.010K							
94/06/28	1205			0.010K	0.010K							
94/07/26	1240			0.010K	0.010K							
94/08/23	1225			0.013J	0.010K							
94/09/27	1200				0.010K							

DATE FROM TO	TIME	DEPTH FEET	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1020 BORON B,DISS UG/L	1034 CHROMIUM CR,TOT UG/L	1042 COPPER CU,TOT UG/L	1045 IRON FE,TOT UG/L	1092 ZINC ZN,TOT UG/L	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML

DATE FROM TO	TIME	DEPTH FEET	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L	82079 TURBIDTY LAB NTU
93/10/26	1310		69		5.2
93/11/22	1205		37		11.0
93/12/20	1110		10		5.6
94/01/25	1105		8		12.0
94/02/22	1025		3		7.1
94/03/29	1110		4		8.0
94/04/26	1230		4		4.2
94/05/24	1145		5		2.9
94/06/28	1205		7		3.3
94/07/26	1240		8		2.8
94/08/23	1225		33		1.4
94/09/27	1200		46		1.3

21B090 2721B090 12039500 541081
QUINAULT RIVER AT LAKE QUINAULT
47 27 28.0 123 53 17.0 2F 0 Elev= 0 ft
53027 Washington Grays Harbor Co. PACIFIC NORTHWEST
COASTAL (Queets/Quinault-21) 131221
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 10-21-02 Class= AA Miles= 0.00 to 0.00
AMBNT/STREAM

INDEX 1312064
MILES 0033.40 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	61 STREAM FLOW, INST-CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT
93/10/26	1400		446115	13.7	771	1920				63	10.5	99.2
93/11/22	1255		486115	9.7	757	2110				64	10.4	91.5
93/12/20	1200		526115	6.8	769	2450				48	9.8	79.1
94/01/25	1150		46115	6.6	760	4380				56	10.8	87.9
94/02/22	1115		86115	6.0	763	3060				62	11.0	87.8
94/03/29	1155		136115	6.8	762	2400				55	12.1	98.7
94/04/26	1315		176115	8.5	762	2130				50	11.9	101.1
94/05/24	1240		216115	13.4	760	1710				59	11.5	109.5
94/06/28	1305		266115	13.7	760	1680				62	10.9	104.5
94/07/26	1340		306115	19.1	760	838				57	9.7	103.9
94/08/23	1315		346115	19.6	760	487				65	9.6	103.8
94/09/27	1250		396115	18.5	756	618				67	10.1	107.4

DATE FROM TO	TIME	DEPTH FEET	400 PH SU	405 CO2 MG/L	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	515 RESIDUE DISS-105 C MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	615 NO2-N TOTAL MG/L
93/10/26	1400		7.30						1.0	0.07	0.010K	
93/11/22	1255		7.30						4.0	0.09	0.011	
93/12/20	1200		7.30						11.0	0.13	0.020	
94/01/25	1150		7.20						2.0	0.16	0.018	
94/02/22	1115		7.10						2.0	0.16	0.010K	
94/03/29	1155		7.40						3.0	0.13	0.010K	
94/04/26	1315		8.00						2.0	0.05	0.010K	
94/05/24	1240		7.60						2.0	0.03	0.010K	
94/06/28	1305		7.70						1.0	0.05	0.010K	
94/07/26	1340		7.40						1.0	0.14	0.022	
94/08/23	1315		7.70						2.0	0.03J	0.025J	
94/09/27	1250		7.60						1.0K			

DATE FROM TO	TIME	DEPTH FEET	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	650 T PO4 PO4 MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	650 T PO4 PO4 MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L
93/10/26	1400				0.010K			0.010K	0.010K			
93/11/22	1255				0.040			0.010K	0.010K			
93/12/20	1200				0.115			0.018	0.010K			
94/01/25	1150				0.119			0.010K	0.010K			
94/02/22	1115				0.113			0.011	0.010K			
94/03/29	1155				0.063			0.010K	0.010K			
94/04/26	1315				0.032			0.010K	0.010K			
94/05/24	1240				0.010K			0.010K	0.010K			
94/06/28	1305				0.010K			0.010K	0.010K			
94/07/26	1340				0.010K			0.010K	0.010K			
94/08/23	1315				0.010K			0.011J	0.010K			
94/09/27	1250				0.010K				0.010K			

DATE FROM TO	TIME	DEPTH FEET	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	931 SODIUM ADSBTION RATIO	932 PERCENT SODIUM %	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1000 ARSENIC AS,DISS UG/L

DATE FROM TO	TIME	DEPTH FEET	1005 BARIUM BA,DISS UG/L	1020 BORON B,DISS UG/L	1025 CADMIUM CD,DISS UG/L	1030 CHROMIUM CR,DISS UG/L	1034 CHROMIUM CR,TOT UG/L	1040 COPPER CU,DISS UG/L	1042 COPPER CU,TOT UG/L	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L	1075 SILVER AG,DISS UG/L

DATE FROM TO	TIME	DEPTH FEET	1090 ZINC ZN,DISS UG/L	1092 ZINC ZN,TOT UG/L	1145 SELENIUM SE,DISS UG/L	1515 ALPHA-D AS U-NAT PC/L	1516 ALPHA-S AS U-NAT PC/L	3515 BETA-D AS CS137 PC/L	3516 BETA-S AS CS137 PC/L	9510 RA-226-D PLCHT CT PC/L	22703 U-NAT DISOLVED UG/L	31504 TOT COLI MFIM LES /100ML

DATE FROM TO	TIME	DEPTH FEET	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML	31625 FEC COLI M-FCAGAD /100 ML	70300 RESIDUE DISS-180 C MG/L	70303 DISS SOL TONS PER ACRE-FT	71851 NITRATE DISS-NO3 MG/L	71900 MERCURY HG,TOTAL UG/L	80030 ALPHA-D AS U-NAT UG/L	80040 ALPHA-S AS U-NAT UG/L	80050 BETA-D AS SR-Y-90, PC/L
93/10/26	1400			11								
93/11/22	1255			1K								
93/12/20	1200			12								
94/01/25	1150			2								
94/02/22	1115			8								
94/03/29	1155			1K								
94/04/26	1315			1K								
94/05/24	1240			1								

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML	31625 FEC COLI M-FCAGAD /100 ML	70300 RESIDUE DISS-180 C MG/L	70303 DISS SOL TONS PER ACRE-FT	71851 NITRATE DISS-NO3 MG/L	71900 MERCURY HG,TOTAL UG/L	80030 ALPHA-D AS U-NAT UG/L	80040 ALPHA-S AS U-NAT UG/L	80050 BETA-D AS SR-Y-90, PC/L
94/06/28	1305			1								
94/07/26	1340			1U								
94/08/23	1315			1								
94/09/27	1250			1K								

DATE FROM TO	TIME	DEPTH FEET	80060 BETA-S AS SR-Y-90, PC/L	80154 SUSP SED CONC MG/L	80155 SUSP SED DISCHARG TONS/DAY	82079 TURBIDTY LAB NTU
93/10/26	1400					1.4
93/11/22	1255					0.8
93/12/20	1200					8.1
94/01/25	1150					3.9
94/02/22	1115					3.4
94/03/29	1155					4.0
94/04/26	1315					1.1
94/05/24	1240					0.6
94/06/28	1305					1.0
94/07/26	1340					0.7
94/08/23	1315					0.8
94/09/27	1250					0.6

22A070 2722A070 12039003 541082
HUMPTULIPS RIVER NEAR HUMPTULIPS
47 13 48.0 123 57 38.0 2F 0 Elev= 0 ft
53027 Washington Grays Harbor Co. PACIFIC NORTHWEST
COASTAL (Lower Chehalis-22) 131222
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 10-22-05 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1312093
MILES 0023.60 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU
93/10/26	1435		446116	9.6	772	470			55	11.9	102.4	7.30
93/11/22	1330		486116	5.9	760	1150			49	12.3	98.3	7.20
93/12/20	1235		526116	5.8	771	1160			44	12.3	96.7	7.30
94/01/25	1225		46116	6.7	762	1510			47	12.1	98.4	7.50
94/02/22	1155		86116	5.4	764	1700			48	12.3	96.6	7.20
94/03/29	1230		136116	7.8	763	960			50	12.0	100.1	7.40
94/04/26	1350		176116	9.8	762	530			48	11.6	101.6	7.80
94/05/24	1320		216116	14.6	763	310			57	10.7	104.2	7.60
94/06/28	1400		266116	15.8	762	358			59	10.5	104.9	7.70
94/07/26	1435		306116	18.7	762	190			56	9.9	105.0	7.40
94/08/23	1350		346116	17.1	761	145			65	10.5	107.9	7.80
94/09/27	1340		396116	14.7	756	270			66	10.9	107.3	7.30

DATE FROM TO	TIME	DEPTH FEET	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L
93/10/26	1435					2.0	0.41	0.010K				
93/11/22	1330					6.0	0.36	0.010K				
93/12/20	1235					3.0	0.31	0.010K				
94/01/25	1225					6.0	0.21	0.013				
94/02/22	1155					7.0	0.26	0.010K				
94/03/29	1230					2.0	0.17	0.010K				
94/04/26	1350					2.0	0.08	0.010K				
94/05/24	1320					1.0	0.05	0.010K				
94/06/28	1400					1.0K	0.09	0.017				
94/07/26	1435					1.0K	0.11	0.018				
94/08/23	1350					1.0K	0.04J	0.010K				
94/09/27	1340					1.0						

DATE FROM TO	TIME	DEPTH FEET	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L
93/10/26	1435		0.335		0.010K	0.010K						
93/11/22	1330		0.326		0.017	0.010K						
93/12/20	1235		0.287		0.015	0.010K						
94/01/25	1225		0.172		0.010K	0.010K						
94/02/22	1155		0.209		0.012	0.010K						
94/03/29	1230		0.109		0.010K	0.010K						
94/04/26	1350		0.061		0.010K	0.010K						
94/05/24	1320		0.017		0.010K	0.010K						
94/06/28	1400		0.049		0.010K	0.010K						
94/07/26	1435		0.012		0.010K	0.010K						
94/08/23	1350		0.017J		0.012J	0.015						
94/09/27	1340		0.088			0.010K						

DATE FROM TO	TIME	DEPTH FEET	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1020 BORON B,DISS UG/L	1034 CHROMIUM CR,TOT UG/L	1042 COPPER CU,TOT UG/L	1045 IRON FE,TOT UG/L	1092 ZINC ZN,TOT UG/L	31504 TOT COLI MFIM LES /100ML
93/10/26	1435											
93/11/22	1330											
93/12/20	1235											
94/01/25	1225											
94/02/22	1155											
94/03/29	1230											
94/04/26	1350											
94/05/24	1320											
94/06/28	1400											
94/07/26	1435											
94/08/23	1350											
94/09/27	1340											

DATE FROM TO	TIME	DEPTH FEET	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML	31625 FEC COLI M-FCAGAD /100 ML	70300 RESIDUE DISS-180 C MG/L	82079 TURBIDTY LAB NTU
93/10/26	1435			22			2.0
93/11/22	1330			15			8.7
93/12/20	1235			6			2.4
94/01/25	1225			5			5.7
94/02/22	1155			7			7.4
94/03/29	1230			1K			1.6
94/04/26	1350			1			0.9
94/05/24	1320			3			0.5
94/06/28	1400			4			0.6
94/07/26	1435			11			0.5K
94/08/23	1350			23			0.5K
94/09/27	1340			23			0.5K

22B070 2722B070 12038510 541083
WF HOQUIAM RIVER NEAR HOQUIAM
47 03 24.0 123 55 35.0 2F 0 Elev= 0 ft
53027 Washington Grays Harbor Co. PACIFIC NORTHWEST
COASTAL (Lower Chehalis-22) 131222
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 10-22-06 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM

INDEX 1312098
MILES 0009.30 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU
93/10/26	1515		446117	9.2	776	14			67	11.5	97.6	7.20
93/11/22	1405		486117	5.8	765	33			57	11.6	91.9	7.10
93/12/20	1320		526117	5.6	775	57			41	12.3	95.7	7.40
94/01/25	1255		46117	7.6	765	130			44	11.7	96.9	7.30
94/02/22	1225		86117	5.7	768	140			45	11.9	93.7	7.20
94/03/29	1305		136117	7.4	767	56			50	11.8	97.1	7.60
94/04/26	1430		176117	9.4	767	39			48	11.3	97.4	7.70
94/05/24	1410		216117	11.6	765	26			62	11.2	101.9	7.40
94/06/28	1435		266117	13.0	765	23			70	10.4	97.5	7.60
94/07/26	1505		306117	15.0	765	14			64	9.7	95.0	7.30
94/08/23	1430		346117	13.3	765	13			75	10.3	97.2	7.60
94/09/27	1415		396117	12.6	760	10			82	10.0	93.6	7.40

DATE FROM TO	TIME	DEPTH FEET	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	650 T PO4 PO4 MG/L
93/10/26	1515				2.0	0.28	0.010K				0.153	
93/11/22	1405				3.0	0.57	0.010K				0.434	
93/12/20	1320				1.0K	0.20	0.010K				0.168	
94/01/25	1255				3.0	0.26	0.010K				0.182	
94/02/22	1225				4.0	0.26	0.010K				0.191	
94/03/29	1305				2.0	0.15	0.010K				0.098	
94/04/26	1430				2.0	0.12	0.013				0.092	
94/05/24	1410				1.0	0.11	0.010K				0.055	
94/06/28	1435				1.0	0.18	0.066				0.062	
94/07/26	1505				1.0K	0.12	0.010K				0.052	
94/08/23	1430				1.0	0.09J	0.012J				0.047J	
94/09/27	1415				2.0						0.057	

DATE FROM TO	TIME	DEPTH FEET	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L
93/10/26	1515			0.015	0.010K							
93/11/22	1405			0.021	0.010K							
93/12/20	1320			0.010K	0.010K							
94/01/25	1255			0.010K	0.010K							
94/02/22	1225			0.011	0.010K							
94/03/29	1305			0.010K	0.010K							
94/04/26	1430			0.013	0.010K							
94/05/24	1410			0.010K	0.010K							
94/06/28	1435			0.010K	0.010K							
94/07/26	1505			0.012	0.010K							
94/08/23	1430			0.019J	0.017							
94/09/27	1415				0.010K							

DATE FROM TO	TIME	DEPTH FEET	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1020 BORON B,DISS UG/L	1045 IRON FE,TOT UG/L	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML	31507 TOT COLI MPN COMP /100ML	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L
93/10/26	1515										19	
93/11/22	1405										51	
93/12/20	1320										4	
94/01/25	1255										6	
94/02/22	1225										12	
94/03/29	1305										1K	
94/04/26	1430										4	
94/05/24	1410										12	
94/06/28	1435										10	
94/07/26	1505										19	
94/08/23	1430										31	
94/09/27	1415										16	

DATE FROM TO	TIME	DEPTH FEET	71851 NITRATE DISS-NO3 MG/L	71885 IRON FE UG/L	80154 SUSP SED CONC MG/L	80155 SUSP SED DISCHARG TONS/DAY	82079 TURBIDTY LAB NTU
93/10/26	1515						2.3
93/11/22	1405						5.0
93/12/20	1320						1.7
94/01/25	1255						3.3
94/02/22	1225						4.6
94/03/29	1305						1.8
94/04/26	1430						2.0
94/05/24	1410						2.0
94/06/28	1435						1.8
94/07/26	1505						1.7

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	71851 NITRATE DISS-NO3 MG/L	71885 IRON FE UG/L	80154 SUSP SED CONC MG/L	80155 SUSP SED DISCHARG TONS/DAY	82079 TURBIDTY LAB NTU
94/08/23	1430						1.6
94/09/27	1415						1.5

23A070 2723A070 12031000 541088
CHEHALIS RIVER AT PORTER
46 56 17.0 123 18 45.0 2F 0 Elev= 0 ft
53027 Washington Grays Harbor Co. PACIFIC NORTHWEST
COASTAL (Upper Chehalis-23) 131223
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 10-23-18 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1312099
MILES 0033.30

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	40 WIND DIRECT AZIMUTH	50 EVAP TOT DAY IN	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L
93/10/26	1635		446118	11.1	774			548			99	11.5
93/11/22	1535		486118	5.5	765			478			115	12.3
93/12/20	1425		526118	4.6	772			2250			75	12.0
94/01/25	1445		46118	7.4	764			3160			81	11.0
94/02/22	1340		86118	5.4	766			6820			74	11.3
94/03/29	1515		136118	9.6	764			3890			75	10.8
94/04/26	1620		176118	10.5	765			1590			79	10.4
94/05/24	1530		216118	18.1	762			805			99	10.7
94/06/28	1550		266118	20.5	763			688			97	9.5
94/07/26	1630		306118	22.1	763			374			87	9.8
94/08/23	1600		346118	19.8	762			330			107	10.6
94/09/27	1520		396118	18.4	756			320			115	10.0

DATE FROM TO	TIME	DEPTH FEET	301 DO SATUR PERCENT	340 COD HI LEVEL MG/L	400 PH SU	405 CO2 MG/L	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	605 ORG N N MG/L
93/10/26	1635		102.1		7.50					3.0	0.84	
93/11/22	1535		96.8		7.80					1.0K	0.75	
93/12/20	1425		91.4		7.40					4.0	1.15	
94/01/25	1445		90.8		7.30					7.0	1.01	
94/02/22	1340		88.6		6.80					20.0	1.18	
94/03/29	1515		94.0		7.20					11.0	0.91	
94/04/26	1620		92.3		7.60					4.0	0.80	
94/05/24	1530		112.1		7.60					3.0	0.66	
94/06/28	1550		104.2		7.50					2.0	0.78	
94/07/26	1630		110.7		7.80					2.0	0.57	
94/08/23	1600		114.8		7.90					2.0	0.63J	
94/09/27	1520		106.2		7.70					2.0		

DATE FROM TO	TIME	DEPTH FEET	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	650 T PO4 PO4 MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	650 T PO4 PO4 MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P
93/10/26	1635		0.015					0.657			0.056	0.039
93/11/22	1535		0.012					0.665			0.072	0.051
93/12/20	1425		0.032					1.030			0.037	0.023
94/01/25	1445		0.034					0.829			0.041	0.018
94/02/22	1340		0.025					0.990			0.041	0.019
94/03/29	1515		0.017					0.749			0.019	0.015
94/04/26	1620		0.022					0.655			0.040	0.016
94/05/24	1530		0.010K					0.510			0.027	0.017
94/06/28	1550		0.080					0.554			0.047	0.032
94/07/26	1630		0.010K					0.440			0.040	0.016
94/08/23	1600		0.010J					0.511J			0.040J	0.027
94/09/27	1520							0.585				0.029

DATE FROM TO	TIME	DEPTH FEET	680 T ORG C C MG/L	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	931 SODIUM ADSBTION RATIO	932 PERCENT SODIUM %	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L

DATE FROM TO	TIME	DEPTH FEET	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1000 ARSENIC AS,DISS UG/L	1005 BARIUM BA,DISS UG/L	1020 BORON B,DISS UG/L	1025 CADMIUM CD,DISS UG/L	1030 CHROMIUM CR,DISS UG/L	1034 CHROMIUM CR,TOT UG/L	1040 COPPER CU,DISS UG/L

DATE FROM TO	TIME	DEPTH FEET	1042 COPPER CU,TOT UG/L	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L	1065 NICKEL NI,DISS UG/L	1075 SILVER AG,DISS UG/L	1080 STRONTUM SR,DISS UG/L	1090 ZINC ZN,DISS UG/L	1092 ZINC ZN,TOT UG/L	1130 LITHIUM LI,DISS UG/L	1145 SELENIUM SE,DISS UG/L

DATE FROM TO	TIME	DEPTH FEET	31501 TOT COLI MFIMENDO /100ML	31503 TOT COLI MFDLENDO /100ML	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML	31507 TOT COLI MPN COMP /100ML	31616 FEC COLI MFM-FCBR /100ML	31625 FEC COLI M-FCAGAD /100 ML	31672 FECSTREP PC M-ENT /100ML	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L
93/10/26	1635							7				
93/11/22	1535							6				
93/12/20	1425							13				
94/01/25	1445							46S				
94/02/22	1340							44S				
94/03/29	1515							12				
94/04/26	1620							12				
94/05/24	1530							1				

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	31501 TOT COLI MFIMENDO /100ML	31503 TOT COLI MFDLENDO /100ML	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML	31507 TOT COLI MPN COMP /100ML	31616 FEC COLI MFM-FCBR /100ML	31625 FEC COLI M-FCAGAD /100 ML	31672 FECSTREP PC M-ENT /100ML	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L
94/06/28	1550							7				
94/07/26	1630							15				
94/08/23	1600							10				
94/09/27	1520							8				

DATE FROM TO	TIME	DEPTH FEET	70302 DISS SOL TONS/DAY	70303 DISS SOL TONS PER ACRE-FT	71851 NITRATE DISS-NO3 MG/L	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
93/10/26	1635						1.3
93/11/22	1535						1.6
93/12/20	1425						2.8
94/01/25	1445						5.9
94/02/22	1340						9.8
94/03/29	1515						4.9
94/04/26	1620						2.7
94/05/24	1530						1.7
94/06/28	1550						1.2
94/07/26	1630						1.0
94/08/23	1600						0.9
94/09/27	1520						0.9

23A160 4123A160 12020565
CHEHALIS RIVER AT DRYAD
46 37 54.0 123 14 51.0 2F 0 Elev= 0 ft
53041 Washington Lewis Co. PACIFIC NORTHWEST
COASTAL (Upper Chehalis-23) 131223
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 10-23-15 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1312099
MILES 0101.70 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU
93/10/27	0935		446121	8.0	766	62			77	11.5	96.1	7.20
93/11/22	0930		486121	3.8	752	180			76	12.1	92.7	7.80
93/12/21	1030		526121	3.8	768	408			56	12.9	96.8	7.50
94/01/26	1015		46121	6.3	764	548			62	12.3	98.9	7.60
94/02/23	0840		86121	5.1	756	2790			55	12.2	96.1	6.90
94/03/30	0750		136121	8.2	762	654			63	11.4	96.2	7.30
94/04/27	0830		176121	8.8	770	273			76	10.7	90.7	7.40
94/05/25	0930		216121	14.7	759	132			72	9.7	95.1	7.60
94/06/29	0830		266121	16.2	761	131			73	9.1	91.9	7.60
94/07/27	0910		306121	18.1	758	54			69	8.4	88.5	7.00
94/08/24	0825		346121	15.3	761	243			80	9.0	89.2	7.70
94/09/28	0830		396121	14.8	754	38			88	9.9	97.9	7.50

DATE FROM TO	TIME	DEPTH FEET	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	630 NO2+NO3 N-TOTAL MG/L	650 T PO4 PO4 MG/L
93/10/27	0935				3.0	0.23	0.010K				0.061	
93/11/22	0930				5.0	0.43	0.035				0.098	
93/12/21	1030				2.0	0.71	0.010K				0.630	
94/01/26	1015				1.0	0.60	0.010K				0.507	
94/02/23	0840				34.0	0.80	0.011				0.649	
94/03/30	0750				11.0	0.53	0.010K				0.441	
94/04/27	0830				3.0	0.34	0.010				0.271	
94/05/25	0930				2.0	0.30	0.010K				0.153	
94/06/29	0830				1.0	0.35	0.081				0.145	
94/07/27	0910				2.0	0.22	0.019				0.070	
94/08/24	0825				2.0	0.14J	0.010K				0.055J	
94/09/28	0830				2.0	0.37	0.021				0.037	

DATE FROM TO	TIME	DEPTH FEET	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L
93/10/27	0935			0.016	0.010K							
93/11/22	0930			0.025	0.010K							
93/12/21	1030			0.014	0.010K							
94/01/26	1015			0.010K	0.010K							
94/02/23	0840			0.030	0.010K							
94/03/30	0750			0.010K	0.010K							
94/04/27	0830			0.016	0.010K							
94/05/25	0930			0.010K	0.010K							
94/06/29	0830			0.010K	0.010K							
94/07/27	0910			0.018	0.010K							
94/08/24	0825			0.020J	0.010K							
94/09/28	0830			0.010K	0.010K							

DATE FROM TO	TIME	DEPTH FEET	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1000 ARSENIC AS,DISS UG/L	1020 BORON B,DISS UG/L	1034 CHROMIUM CR,TOT UG/L	1040 COPPER CU,DISS UG/L	1045 IRON FE,TOT UG/L	1090 ZINC ZN,DISS UG/L	31505 TOT COLI MPN CONF /100ML

DATE FROM TO	TIME	DEPTH FEET	31507 TOT COLI MPN COMP /100ML	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L	71851 NITRATE DISS-NO3 MG/L	71885 IRON FE UG/L	80154 SUSP SED CONC MG/L	80155 SUSP SED DISCHARG TONS/DAY	82079 TURBIDTY LAB NTU
93/10/27	0935			22						1.2
93/11/22	0930			150						3.8
93/12/21	1030			160						1.0
94/01/26	1015			11						1.4
94/02/23	0840			37						9.4
94/03/30	0750			35						1.0
94/04/27	0830			21						1.4
94/05/25	0930			43						1.6
94/06/29	0830			43						1.3
94/07/27	0910			53						1.3
94/08/24	0825			40						1.5
94/09/28	0830			35						1.3

26B070 1526B070 14244200 541001
COWLITZ RIVER AT KELSO
46 08 44.0 122 54 47.0 3F 0 Elev= 0 ft
53015 Washington COWLITZ CO. PACIFIC NORTHWEST
LOWER COLUMBIA (Cowlitz-26) 131026
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 12-26-04 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1310001 000850
MILES 0068.00 0004.90 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	340 COD HI LEVEL MG/L
93/10/27	0805		446120	10.2	766	4130			94	11.9	105.7	
93/11/22	1100		486120	7.1	760	3900			122	11.3	93.2	
93/12/21	0855		526120	5.2	776	4830			86	12.3	94.6	
94/01/26	0855		46120	6.4	772	8440			84	11.9	94.9	
94/02/09	0740		66120	5.0	762	6210			90	9.9	77.2	
94/03/13	1050		116120	6.6	772	8900			83	11.8	94.5	
94/04/10	1010		156120	7.4	795	11100			82	11.4	90.4	
94/05/08	1120		196120	11.7	767	6900			96	10.6	96.3	
94/06/12	1130		246120	14.1	757	5160			105	10.6	102.9	
94/07/10	1250		286120	14.6	767	4310			106	9.9	95.8	
94/08/08	0915		326120	13.8	763	3350			118	10.8	103.4	
94/09/11	1150		376120	9.7	767	3460			115	10.4	90.3	

DATE FROM TO	TIME	DEPTH FEET	400 PH SU	405 CO2 MG/L	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	605 ORG N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L
93/10/27	0805		6.90					5.0	0.13		0.010K	
93/11/22	1100		7.40					3.0	0.13		0.010K	
93/12/21	0855		7.40					19.0	0.40		0.010K	
94/01/26	0855		7.60					9.0	0.28		0.015	
94/02/09	0740		6.80					8.0	0.33		0.021	
94/03/13	1050		7.10					23.0	0.41		0.011	
94/04/10	1010		8.40					42.0	0.28		0.069	
94/05/08	1120		7.80					6.0	0.12		0.012	
94/06/12	1130		8.50					5.0	0.09		0.010U	
94/07/10	1250		7.10					5.0	0.27		0.010U	
94/08/08	0915		7.80					6.0	0.10		0.010K	
94/09/11	1150		7.70					7.0	0.09		0.010U	

DATE FROM TO	TIME	DEPTH FEET	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	680 T ORG C C MG/L	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	680 T ORG C C MG/L	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L
93/10/27	0805					0.036		0.010K	0.010K			
93/11/22	1100					0.068		0.017	0.010K			
93/12/21	0855					0.311		0.029	0.010K			
94/01/26	0855					0.205		0.011	0.010K			
94/02/09	0740					0.179		0.014	0.019			
94/03/13	1050					0.260		0.027	0.010U			
94/04/10	1010					0.171		0.047	0.010U			
94/05/08	1120					0.074		0.010U			31	
94/06/12	1130					0.046		0.018	0.010U			
94/07/10	1250					0.044		0.010U	0.010U			
94/08/08	0915					0.041		0.010K	0.010K			
94/09/11	1150					0.031		0.023	0.010U			

DATE FROM TO	TIME	DEPTH FEET	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	978 ARSENIC TOT REC UG/L	1000 ARSENIC AS,DISS UG/L
94/05/08	1120										30.0U	
94/07/10	1250										30.0U	
94/09/11	1150										30.0U	

DATE FROM TO	TIME	DEPTH FEET	1005 BARIUM BA,DISS UG/L	1020 BORON B,DISS UG/L	1025 CADMIUM CD,DISS UG/L	1030 CHROMIUM CR,DISS UG/L	1040 COPPER CU,DISS UG/L	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L	1065 NICKEL NI,DISS UG/L	1075 SILVER AG,DISS UG/L	1090 ZINC ZN,DISS UG/L
94/05/08	1120				0.04U		0.7		0.1P	0P		1P
94/07/10	1250				0.04U		0.9		0.2P	1U		1P
94/09/11	1150				0.04U		0.4P		0.0U	1U		1U

DATE FROM TO	TIME	DEPTH FEET	1118 CHROMIUM TOT REC UG/L	1145 SELENIUM SE,DISS UG/L	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML	31625 FEC COLI M-FCAGAD /100 ML	70300 RESIDUE DISS-180 C MG/L	71851 NITRATE DISS-NO3 MG/L	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
93/10/27	0805						12					1.6
93/11/22	1100						20S					2.9
93/12/21	0855						13					9.1
94/01/26	0855						58					5.3
94/02/09	0740						8					7.1
94/03/13	1050						4					15.0
94/04/10	1010						48					26.0
94/05/08	1120		5.0U				6				0.00U	3.3
94/06/12	1130						23					2.4

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	1118 CHROMIUM TOT REC UG/L	1145 SELENIUM SE,DISS UG/L	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML	31625 FEC COLI M-FCAGAD /100 ML	70300 RESIDUE DISS-180 C MG/L	71851 NITRATE DISS-NO3 MG/L	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
94/07/10	1250		5.0U				7				0.00U	2.8
94/08/08	0915						15					2.4
94/09/11	1150		5.0U				32				0.00U	4.1

30C070 3930C070 14112500
LITTLE KLICKITAT R NR WAHKIACUS
45 50 38.0 121 03 32.0 2F 0 Elev= 0 ft
53039 Washington Klickitat Co. PACIFIC NORTHWEST
LOWER COLUMBIA (Klickitat-30) 131030
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 14-30-01 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM

INDEX 1310001 001850 00240
MILES 0180.40 0019.80 000.20 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU	410 T ALK CACO3 MG/L
93/10/11	1030		426001	9.2	751	7		118	12.1	106.1	7.80	
93/11/07	1115		466001	1.3	753	7		113	14.3	102.3	8.10	
93/12/13	1240		516001	3.9	742	10		111	12.7	98.8	8.00	
94/01/09	1120		26001	4.6	748	15		109	11.2	88.1	7.90	
94/02/14	1215		76001	4.0	752	7		104	13.3	102.4	8.10	
94/03/14	1030		116001	5.0	752	40		99	12.3	97.2	7.50	
94/04/11	1140		156001	7.4	754	50		94	12.2	102.0	8.40	
94/05/09	1010		196001	15.0	749	80		93	10.4	104.0	8.40	
94/06/13	0940		246001	14.6	742	20		134	10.5	105.2	8.50	
94/07/11	1005		286001	17.1	749	8		147	10.5	109.7	8.30	
94/08/08	1315		326001	19.9	743	5		144	11.7	130.4	9.00	
94/09/12	0950		376001	5.2	752	5		163	10.7	85.0	8.20	

DATE FROM TO	TIME	DEPTH FEET	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	630 NO2+NO3 N-TOTAL MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L
93/10/11	1030				3.0	0.18	0.011	0.055	0.041	0.030		
93/11/07	1115				2.0	0.26	0.010K	0.121	0.041	0.031		
93/12/13	1240				2.0	0.50	0.023	0.330	0.084			
94/01/09	1120				5.0	0.92	0.074	0.637	0.087	0.063		
94/02/14	1215				3.0	0.59	0.010K	0.417	0.066	0.044		
94/03/14	1030				5.0	1.14	0.010K	0.918	0.041	0.022		
94/04/11	1140				5.0	0.35	0.010K	0.260	0.050	0.019		
94/05/09	1010				11.0	0.32	0.023	0.126	0.060	0.033		
94/06/13	0940				6.0	0.21	0.010K	0.088	0.048	0.033		
94/07/11	1005				4.0	0.22	0.017	0.147	0.050	0.040		
94/08/08	1315				3.0	0.22	0.010K	0.055	0.062	0.052		
94/09/12	0950				2.0	0.21	0.010K	0.036	0.056	0.041		

DATE FROM TO	TIME	DEPTH FEET	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	31504 TOT COLI MFIM LES /100ML	31616 FEC COLI MFM-FCBR /100ML	82079 TURBIDTY LAB NTU

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	31504 TOT COLI MFIM LES /100ML	31616 FEC COLI MFM-FCBR /100ML	82079 TURBIDTY LAB NTU
93/10/11	1030									7	1.9
93/11/07	1115									33	1.4
94/01/09	1120									4	7.0
94/02/14	1215									9	3.0
94/03/14	1030									8	6.4
94/04/11	1140									15	4.1
94/05/09	1010									21	5.6
94/06/13	0940									58	4.7
94/07/11	1005									28	3.5
94/08/08	1315									18	2.5
94/09/12	0950									60S	2.7

31A070 0531A070 COL045
COLUMBIA RIVER AT UMATILLA BR
45 55 53.0 119 19 24.0 2F 0 Elev= 0 ft
53005 Washington Benton Co. PACIFIC NORTHWEST
LOWER COLUMBIA (Rock/Glade-31) 131031
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 26-00-02 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM

INDEX 1310001
MILES 0290.50 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	33 WEATHER CODE	35 WIND VELOCITY MPH	36 WIND DIR.FROM NORTH-0	60 STREAM FLOW CFS	69 SEA CODE	70 TURB JKSN JTU	95 CNDUCTVY LAB @ 25C UMHO
93/10/11	1310		426002	16.8	755				83200			161
93/11/07	1440		466002	9.6	757				108000			160
93/12/13	1535		516002	7.2	748				116000			176
94/01/09	1440		26002	5.3	756				114000			183
94/02/14	1510		76002	2.9	758				96200			169
94/03/14	1305		116002	4.6	754				149000			196
94/04/11	1530		156002	7.4	757				118000			171
94/05/09	1315		196002	11.2	752				244000			140
94/06/13	1215		246002	14.3	747				185000			128
94/07/11	1300		286002	18.0	752				190000			128
94/08/08	1620		326002	21.5	747				82700			139
94/09/12	1220		376002	19.0	754				82900			144

DATE FROM TO	TIME	DEPTH FEET	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU	405 CO2 MG/L	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	605 ORG N N MG/L
93/10/11	1310		9.5	97.8	8.30					55.0	0.27	
93/11/07	1440		10.7	93.9	8.40					10.0	0.32	
93/12/13	1535		11.8	99.1	8.30					15.0	0.34	
94/01/09	1440		11.8	93.5	8.00					5.0	0.45	
94/02/14	1510		13.2	98.0	8.10					3.0	0.38	
94/03/14	1305		13.9	108.4	8.20					4.0	0.39	
94/04/11	1530		12.8	106.7	8.50					6.0	0.26	
94/05/09	1315		12.2	111.9	8.60					7.0	0.25	
94/06/13	1215		11.0	108.7	8.30					6.0	0.12	
94/07/11	1300		10.1	107.0	8.30					8.0	0.16	
94/08/08	1620		9.3	106.2	8.30					6.0	0.17	
94/09/12	1220		10.1	108.8	8.50					3.0	0.12	

DATE FROM TO	TIME	DEPTH FEET	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	680 T ORG C C MG/L	760 SWL PBI MG/L	900 TOT HARD CACO3 MG/L	940 CHLORIDE CL MG/L

MORE DATES NEXT PAGE

08K090 3308K090
Ship Canal @ Freemont
47 39 24.0 122 20 54.0 2F000 Elev= 0 ft
53033 Washington King Co. PACIFIC NORTHWEST
PUGET SOUND (Cedar-08) 131108
21540000 Reach=17110012001 0.000 Drg= 0 sqmi
AMBNT/STREAM

INDEX 1311141
MILES 0003.40 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L
93/10/20	0855		436066	15.2	773	126	8.2	79.7	7.60	1.0	0.29	0.041
93/11/17	0920		476066	8.5	764	159	9.4	79.7	7.60	2.0	0.22	0.019
93/12/21	0845		526066	7.0	774	99	9.3	75.0	7.40	2.0	0.29	0.038
94/01/19	0830		36066	6.6	770	97	10.0	80.4		2.0	0.34	0.015
94/02/23	0845		86066	7.1	760	95	11.2	92.3	7.00	3.0	0.37	0.014
94/03/23	0920		126066	6.1	763	100	11.7	93.6	7.40	3.0	0.29	0.010K
94/04/20	0850		166066	10.0	767	86	13.1	114.5	8.60	4.0	0.20	0.010K
94/05/18	0845		206066	15.3	767	100	10.1	99.2	8.60	3.0	0.02	0.010K
94/06/22	0815		256066	18.3	766	100	9.8	102.6	7.10	2.0	0.14	0.010K
94/07/20	0840		296066	21.6	762	97	8.6	96.4		1.0	0.15	0.010K
94/08/17	0845		336066	22.3	767	128	8.3	93.6	7.40	1.0K	0.18	0.010K
94/09/21	0835		386066	19.8	769	199	7.8	83.7	7.30	1.0K	0.21	0.022

DATE FROM TO	TIME	DEPTH FEET	630 NO2+NO3 N-TOTAL MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	31616 FEC COLI MFM-FCBR /100ML	82079 TURBIDTY LAB NTU
93/10/20	0855		0.014	0.014	0.010K	32	0.7
93/11/17	0920		0.034	0.010K	0.010K	21	0.9
93/12/21	0845		0.149	0.014	0.010	20	2.4
94/01/19	0830		0.188	0.012	0.012	27	0.6
94/02/23	0845		0.191	0.017	0.010K	20	1.0
94/03/23	0920		0.165	0.010K	0.010K	28	1.1
94/04/20	0850		0.040	0.010K	0.010K	5	1.4
94/05/18	0845		0.010K	0.012	0.010K	9	1.2
94/06/22	0815		0.010K	0.010K	0.010K	87	1.0
94/07/20	0840		0.010K	0.011	0.010K	32	0.5
94/08/17	0845		0.010K	0.047	0.010K	4	0.6
94/09/21	0835		0.010K	0.010K	0.010K	14	0.5

32A070 7132A070 14018600 541127
WALLA WALLA RIVER NEAR TOUCHET
46 02 16.0 118 45 55.0 2F 0 Elev= 0 ft
53071 Washington Walla Walla Co. PACIFIC NORTHWEST
LOWER COLUMBIA (Walla Walla-32) 131032
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 15-32-02 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1310001 002700
MILES 0313.50 0015.30 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	310 BOD 5 DAY MG/L
93/10/11	1430		426003	13.9	752	24			346	11.5	112.0	
93/11/07	1555		466003	4.9	755	61			254	14.1	110.8	
93/12/13	1640		516003	4.4	746	268			171	11.9	93.3	
94/01/09	1555		26003	5.8	753	835			122	11.6	93.4	
94/02/14	1615		76003	5.0	754	288			185	12.6	99.3	
94/03/14	1420		116003	8.1	752	566			135	11.2	95.6	
94/04/11	1640		156003	11.5	754	566			118	11.1	102.1	
94/05/09	1420		196003	21.4	747	228			159	8.8	100.3	
94/06/13	1320		246003	19.9	742	46			285	10.4	116.1	
94/07/11	1545		286003	26.9	747	12			456	9.9	124.8	
94/08/08	1810		326003	23.9	742	4			726	10.9	131.2	
94/09/12	1330		376003	17.4	752	2			757	11.5	120.7	

DATE FROM TO	TIME	DEPTH FEET	340 COD HI LEVEL MG/L	400 PH SU	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	605 ORG N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L
93/10/11	1430			8.40				48.0	1.05		0.030	
93/11/07	1555			8.40				8.0	0.69		0.011	
93/12/13	1640			8.10				26.0	1.23		0.035	
94/01/09	1555			7.80				112.0	1.14		0.067	
94/02/14	1615			7.90				19.0	1.37		0.016	
94/03/14	1420			7.90				88.0	1.04		0.024	
94/04/11	1640			8.10				34.0	0.63		0.010K	
94/05/09	1420			8.20				31.0	0.64		0.040	
94/06/13	1320			8.40				24.0	0.57		0.010K	
94/07/11	1545			8.20				24.0	1.10		0.045	
94/08/08	1810			8.90				15.0	0.91		0.021	
94/09/12	1330			8.70				6.0	0.67		0.036	

DATE FROM TO	TIME	DEPTH FEET	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L
93/10/11	1430					0.792		0.096	0.065			
93/11/07	1555					0.540		0.062	0.041			
93/12/13	1640					1.010		0.139				
94/01/09	1555					0.842		0.158	0.076			
94/02/14	1615					1.050		0.121	0.093			
94/03/14	1420					0.788		0.155	0.078			
94/04/11	1640					0.376		0.117	0.060			
94/05/09	1420					0.394		0.119	0.087			
94/06/13	1320					0.400		0.079	0.052			
94/07/11	1545					0.743		0.159	0.072			
94/08/08	1810					0.558		0.088	0.034			
94/09/12	1330					0.288		0.038	0.018			

DATE FROM TO	TIME	DEPTH FEET	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1020 BORON B,DISS UG/L	1030 CHROMIUM CR,DISS UG/L	1040 COPPER CU,DISS UG/L

DATE FROM TO	TIME	DEPTH FEET	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L	1090 ZINC ZN,DISS UG/L	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML	31672 FECSTREP PC M-ENT /100ML	70300 RESIDUE DISS-180 C MG/L	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
93/10/11	1430							72				15.0
93/11/07	1555							8				5.4
94/01/09	1555							71				46.0
94/02/14	1615							8				7.6
94/03/14	1420							48				22.0
94/04/11	1640							120				11.0
94/05/09	1420							120				11.0
94/06/13	1320							200				10.0
94/07/11	1545							89				17.0
94/08/08	1810							24				8.9
94/09/12	1330							32				4.7

33A050 2133A050 541008
SNAKE RIVER NEAR PASCO
46 13 00.0 119 01 20.0 2F 0 Elev= 0 ft
53021 Washington FRANKLIN CO. PACIFIC NORTHWEST
LOWER SNAKE (Lower Snake-33) 130833
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 26-00-05 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1310001 002740
MILES 0324.30 0002.20 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	35 WIND VELOCITY MPH	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT
93/10/11	1530		426004	17.3	752		20500			252	8.0	83.7
93/11/07	1650		466004	12.7	755		22200			324	9.8	92.6
93/12/13	1735		516004	5.6	746		14400			318	11.3	91.4
94/01/09	1650		26004	5.3	753		23100			338	12.4	98.7
94/02/14	1710		76004	3.3	754		20000			330	12.6	95.0
94/03/14	1510		116004	4.4	752		34100			361	14.6	113.7
94/04/11	1740		156004	8.2	752		25100			282	12.4	106.2
94/05/09	1515		196004	11.4	744		86600			144	13.5	125.7
94/06/13	1415		246004	15.2	742		36000			126	11.0	111.6
94/07/11	1630		286004	19.5	747		47200			134	10.3	113.2
94/08/08	1720		326004	20.3	742		11000			170	8.9	100.0
94/09/12	1450		376004	18.8	749		13400			180	8.7	94.0

DATE FROM TO	TIME	DEPTH FEET	340 COD HI LEVEL MG/L	400 PH SU	405 CO2 MG/L	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	605 ORG N N MG/L	610 NH3+NH4- N TOTAL MG/L
93/10/11	1530			8.10					6.0	0.54		0.022
93/11/07	1650			8.20					5.0	0.85		0.023
93/12/13	1735			8.40					5.0	0.80		0.010K
94/01/09	1650			8.30					2.0	1.14		0.028
94/02/14	1710			8.20					3.0	1.22		0.010K
94/03/14	1510			8.50					8.0	1.24		0.010K
94/04/11	1740			8.30					4.0	0.82		0.010K
94/05/09	1515			8.30					7.0	0.38		0.017J
94/06/13	1415			8.30					5.0	0.29		0.010K
94/07/11	1630			8.60					9.0	0.20		0.017
94/08/08	1720			8.20					8.0	0.28		0.010K
94/09/12	1450			8.10					3.0	0.26		0.010K

DATE FROM TO	TIME	DEPTH FEET	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	680 T ORG C C MG/L	760 SWL PBI MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	680 T ORG C C MG/L	760 SWL PBI MG/L
93/10/11	1530						0.341		0.053	0.033		
93/11/07	1650						0.680		0.061	0.052		
93/12/13	1735						0.690		0.055			
94/01/09	1650						0.976		0.057	0.046		
94/02/14	1710						1.110		0.050	0.041		
94/03/14	1510						0.891		0.047	0.028		
94/04/11	1740						0.752		0.061	0.033		
94/05/09	1515						0.251		0.033	0.019		
94/06/13	1415						0.200		0.010K	0.014		
94/07/11	1630						0.033		0.029	0.010K		
94/08/08	1720						0.150		0.030	0.023		
94/09/12	1450						0.115		0.026	0.018		

DATE FROM TO	TIME	DEPTH FEET	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L

DATE FROM TO	TIME	DEPTH FEET	1000 ARSENIC AS,DISS UG/L	1020 BORON B,DISS UG/L	1025 CADMIUM CD,DISS UG/L	1030 CHROMIUM CR,DISS UG/L	1040 COPPER CU,DISS UG/L	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L	1090 ZINC ZN,DISS UG/L	1145 SELENIUM SE,DISS UG/L	31501 TOT COLI MFIMENDO /100ML

DATE FROM TO	TIME	DEPTH FEET	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
93/10/11	1530				2			2.9
93/11/07	1650				7			2.9
94/01/09	1650				2			1.4
94/02/14	1710				2			1.9
94/03/14	1510				1K			2.4
94/04/11	1740				3			3.8
94/05/09	1515				2			4.7
94/06/13	1415				2			3.3
94/07/11	1630				180J			4.8
94/08/08	1720				250			4.4
94/09/12	1450				9			2.2

34A070 7534A070 13351000 541009
PALOUSE RIVER AT HOOPER
46 45 33.0 118 08 49.0 2F 0 Elev= 0 ft
53075 Washington Whitman Co. PACIFIC NORTHWEST
LOWER SNAKE (Palouse-34) 130834
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 16-34-01 Class= B Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1310001 002740 00290
MILES 0324.30 0059.50 019.50 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	340 COD HI LEVEL MG/L
93/10/04	1255		416151	14.8	732	41			346	10.9	111.3	
93/11/01	1225		456151	6.7	742	68			358	12.7	106.3	
93/12/06	1240		506151	0.4	733	156			318	13.9	99.8	
94/01/03	1245		16151	3.0	738	538			165	12.0	91.8	
94/02/07	1250		66151	0.0	729	185			319J	13.5	96.3	
94/03/07	1245		106151	4.3J	743	527			139	11.9	93.5	
94/04/04	1230		146151	9.4	740	261			198	10.3	92.2	
94/05/02	1220		186151	13.9	734	181			198	11.5	114.8	
94/06/06	1355		236151	17.8	732	105			257	9.3	101.0	
94/07/05	1310		276151	17.3	735	30			328	8.3	88.8	
94/08/01	1225		316151	26.3	732	5			327	12.4	158.0	
94/09/05	1230		366151	20.1	739	2			404	9.9	111.4	

DATE FROM TO	TIME	DEPTH FEET	400 PH SU	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	605 ORG N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L
93/10/04	1255		8.70				23.0	0.72		0.018		
93/11/01	1225		8.60				17.0	1.82		0.010K		
93/12/06	1240		8.10				10.0	2.91		0.019		
94/01/03	1245		7.70				4380.0J	2.55		0.361		
94/02/07	1250		7.90				22.0	2.58		0.024		
94/03/07	1245		8.10				158.0	1.72		0.051		
94/04/04	1230		8.20				65.0	0.93		0.035		
94/05/02	1220		9.00				31.0	0.46		0.023		
94/06/06	1355		8.10				107.0	1.09		0.010K		
94/07/05	1310		8.40				43.0	0.39		0.033		
94/08/01	1225		8.90				31.0	0.63		0.025		
94/09/05	1230		9.00				38.0	0.45		0.010K		

DATE FROM TO	TIME	DEPTH FEET	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L
93/10/04	1255				0.131		0.058	0.019				
93/11/01	1225				1.440		0.048	0.014				
93/12/06	1240				2.310		0.415	0.376				
94/01/03	1245				2.120		0.218	0.116				
94/02/07	1250				2.390		0.206	0.163				
94/03/07	1245				1.090		0.057J	0.097J				
94/04/04	1230				0.617		0.150	0.104				
94/05/02	1220				0.150		0.186	0.091				
94/06/06	1355				0.833		0.272	0.130				
94/07/05	1310				0.076		0.155	0.046				
94/08/01	1225				0.030		0.204	0.063				
94/09/05	1230				0.010K		0.165	0.014				

DATE FROM TO	TIME	DEPTH FEET	930 SODIUM NA,DISS MG/L	931 SODIUM ADSBTION RATIO	932 PERCENT SODIUM %	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1000 ARSENIC AS,DISS UG/L	1002 ARSENIC AS,TOT UG/L

DATE FROM TO	TIME	DEPTH FEET	1020 BORON B,DISS UG/L	1025 CADMIUM CD,DISS UG/L	1027 CADMIUM CD,TOT UG/L	1030 CHROMIUM CR,DISS UG/L	1034 CHROMIUM CR,TOT UG/L	1040 COPPER CU,DISS UG/L	1042 COPPER CU,TOT UG/L	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L	1051 LEAD PB,TOT UG/L

DATE FROM TO	TIME	DEPTH FEET	1065 NICKEL NI,DISS UG/L	1080 STRONTUM SR,DISS UG/L	1090 ZINC ZN,DISS UG/L	1092 ZINC ZN,TOT UG/L	1094 ZINC TOT REC UG/L	1113 CADMIUM TOT REC UG/L	1114 LEAD TOT REC UG/L	1118 CHROMIUM TOT REC UG/L	1119 COPPER TOT REC UG/L	1130 LITHIUM LI,DISS UG/L

DATE FROM TO	TIME	DEPTH FEET	31501 TOT COLI MFIMENDO /100ML	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML	31507 TOT COLI MPN COMP /100ML	31616 FEC COLI MFM-FCBR /100ML	31672 FECSTREP PC M-ENT /100ML	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L	70302 DISS SOL TONS/DAY	70303 DISS SOL TONS PER ACRE-FT
93/10/04	1255						430					
93/11/01	1225						6					
93/12/06	1240						39					
94/01/03	1245						1700					
94/02/07	1250						1					
94/03/07	1245						33s					
94/04/04	1230						31					
94/05/02	1220						7					

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	31501 TOT COLI MFIMENDO /100ML	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML	31507 TOT COLI MPN COMP /100ML	31616 FEC COLI MFM-FCBR /100ML	31672 FECSTREP PC M-ENT /100ML	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L	70302 DISS SOL TONS/DAY	70303 DISS SOL TONS PER ACRE-FT
94/06/06	1355						84					
94/07/05	1310						480					
94/08/01	1225						71					
94/09/05	1230						27					

DATE FROM TO	TIME	DEPTH FEET	70337 SUSP SED PARTSIZE %<.002MM	70338 SUSP SED PARTSIZE %<.004MM	70339 SUSP SED PARTSIZE %<.008MM	70340 SUSP SED PARTSIZE %<.016MM	70341 SUSP SED PARTSIZE %<.031MM	70342 SUSP SED PARTSIZE %<.062MM	70343 SUSP SED PARTSIZE %<.125MM	71851 NITRATE DISS-NO3 MG/L	71900 MERCURY HG,TOTAL UG/L	71901 MERCURY TOT REC UG/L

DATE FROM TO	TIME	DEPTH FEET	80154 SUSP SED CONC MG/L	80155 SUSP SED DISCHARG TONS/DAY	82079 TURBIDTY LAB NTU
93/10/04	1255				15.0
93/11/01	1225				14.0
93/12/06	1240				9.4
94/01/03	1245				7700.0
94/02/07	1250				17.0
94/03/07	1245				110.0
94/04/04	1230				33.0
94/05/02	1220				19.0
94/06/06	1355				75.0
94/07/05	1310				32.0
94/08/01	1225				26.0
94/09/05	1230				30.0

34A170 7534A170 13345300
PALOUSE RIVER AT PALOUSE
46 54 37.0 117 04 08.0 2F 0 Elev= 0 ft
53075 Washington Whitman Co. PACIFIC NORTHWEST
LOWER SNAKE (Palouse-34) 130834
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 16-34-01 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM

INDEX 1310001 002740 00290
MILES 0324.30 0059.50 121.20 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU	410 T ALK CACO3 MG/L
93/10/05	0715		416154	11.4	702	11		87	8.0	79.0	8.00	
93/11/02	0730		456154	3.2	710	13		90	11.2	89.4	7.90	
93/12/07	0730		506154	0.0	697	59		71	12.5	93.4	7.80	
94/01/04	0745		16154	0.7	698	98		92	12.2	92.7	7.40	
94/02/08	0745		66154	0.0	704	52		85J	12.9	95.3	7.60	
94/03/08	0750		106154	0.0J	707	251		52	12.8	94.1	7.50	
94/04/05	0820		146154	3.0	703	224		46	11.2	89.8	8.00	
94/05/03	0805		186154	9.9	704	76		57	9.2	87.6	7.50	
94/06/07	0805		236154	14.1	704	39		76	8.8	91.9	8.10	
94/07/06	0805		276154	14.1	706	13		81	7.8	81.2	7.90	
94/08/02	0835		316154	20.8	700	2		76	5.9	71.0	8.80	
94/09/06	0810		366154	12.3	704	4		142	7.0	70.4	9.10	

DATE FROM TO	TIME	DEPTH FEET	440 HCO3 ION HCO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	630 NO2+NO3 N-TOTAL MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L
93/10/05	0715			2.0	0.23	0.010K		0.010K	0.016	0.010K		
93/11/02	0730			4.0	0.22	0.010K		0.010K	0.059	0.032		
93/12/07	0730			3.0	0.40	0.021		0.099	0.079	0.040		
94/01/04	0745			55.0	1.00	0.084		0.669	0.105	0.116		
94/02/08	0745			2.0	0.20	0.010K		0.050	0.037	0.021		
94/03/08	0750			9.0	0.37	0.022		0.159	0.058	0.020		
94/04/05	0820			7.0	0.12	0.010K		0.010K	0.027	0.010K		
94/05/03	0805			3.0	0.25J	0.010K		0.010K	0.038	0.021		
94/06/07	0805			9.0	0.13	0.010K		0.010K	0.045	0.021		
94/07/06	0805			4.0	0.14	0.010K		0.010K	0.037	0.010K		
94/08/02	0835			5.0	0.56	0.010K		0.010K	0.078	0.026		
94/09/06	0810			9.0	0.49	0.010K		0.010K	0.090	0.021		

DATE FROM TO	TIME	DEPTH FEET	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	31504 TOT COLI MFIM LES /100ML	31616 FEC COLI MFM-FCBR /100ML	82079 TURBIDTY LAB NTU

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	31504 TOT COLI MFIM LES /100ML	31616 FEC COLI MFM-FCBR /100ML	82079 TURBIDTY LAB NTU
93/10/05	0715									120	1.7
93/11/02	0730									6	2.2
93/12/07	0730										12.0
94/01/04	0745									570S	100.0
94/02/08	0745									1	4.6
94/03/08	0750									15	18.0
94/04/05	0820									60	7.9
94/05/03	0805									170	5.1
94/06/07	0805									39	7.1
94/07/06	0805									120	3.4
94/08/02	0835									470	5.7
94/09/06	0810									3	3.6

35A150 0335A150 13335300 541132
SNAKE RIVER AT INTERSTATE BRIDGE
46 25 15.0 117 02 05.0 2F 0 Elev= 0 ft
53003 Washington Asotin Co. PACIFIC NORTHWEST
LOWER SNAKE (Middle Snake-35) 130835
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 26-00-05 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM

INDEX 1310001 002740
MILES 0324.30 0139.60 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	310 BOD 5 DAY MG/L
93/10/04	1520		416152	16.9	738	20600			371	8.6	90.9	
93/11/01	1435		456152	10.8	752	14900			359	10.6	96.4	
93/12/06	1510		506152	4.2	744	14700			382	12.8	100.3	
94/01/03	1500		16152	3.4	748	14700			395	12.8	97.7	
94/02/07	1505		66152	1.9	737	13600			474J	13.0J	96.6	
94/03/07	1505		106152	3.7J	752	28100			305	12.7	97.1	
94/04/04	1450		146152	8.4	750	23700			258	10.9	94.0	
94/05/02	1450		186152	10.9	741	42000			262	10.6	98.1	
94/06/06	1630		236152	15.6	741	31400			162	9.5	97.3	
94/07/05	1550		276152	19.0	744	19400			269	8.5	92.9	
94/08/01	1450		316152	24.6	735	12500			273	8.5	104.5	
94/09/05	1500		366152	21.4	744	9820			363	8.8	100.8	

DATE FROM TO	TIME	DEPTH FEET	400 PH SU	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	620 NO3-N TOTAL MG/L	630 NO2+NO3 N-TOTAL MG/L
93/10/04	1520		8.30				4.0	0.95	0.010K			0.798
93/11/01	1435		8.40				3.0	1.00	0.010K			0.843
93/12/06	1510		8.10				1.0	1.14	0.020			1.020
94/01/03	1500		8.20				2.0	1.07	0.033			1.070
94/02/07	1505		8.20				1.0	1.39	0.010K			1.310
94/03/07	1505		8.00				15.0	1.01	0.026			0.825
94/04/04	1450		8.40				9.0	0.73	0.011			0.518
94/05/02	1450		8.40				6.0	0.52	0.028			0.420
94/06/06	1630		7.90				5.0	0.26	0.010K			0.193
94/07/05	1550		8.10				7.0	0.47	0.019			0.344
94/08/01	1450		8.40				2.0	0.46	0.010K			0.282
94/09/05	1500		8.40				3.0	0.54	0.010K			0.379

DATE FROM TO	TIME	DEPTH FEET	650 T PO4 PO4 MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	931 SODIUM ADSBTION RATIO

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	650 T PO4 PO4 MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	931 SODIUM ADSBTION RATIO
93/10/04	1520				0.067	0.069						
93/11/01	1435				0.063	0.055						
93/12/06	1510				0.065	0.055						
94/01/03	1500				0.049	0.042						
94/02/07	1505				0.059	0.048						
94/03/07	1505				0.060	0.051						
94/04/04	1450				0.046	0.025						
94/05/02	1450				0.039	0.025						
94/06/06	1630				0.021	0.018						
94/07/05	1550				0.026	0.010K						
94/08/01	1450				0.037	0.020						
94/09/05	1500				0.054	0.040						

DATE FROM TO	TIME	DEPTH FEET	932 PERCENT SODIUM %	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1000 ARSENIC AS,DISS UG/L	1020 BORON B,DISS UG/L	1034 CHROMIUM CR,TOT UG/L	1040 COPPER CU,DISS UG/L

DATE FROM TO	TIME	DEPTH FEET	1045 IRON FE,TOT UG/L	1080 STRONTUM SR,DISS UG/L	1090 ZINC ZN,DISS UG/L	1130 LITHIUM LI,DISS UG/L	31503 TOT COLI MFDLENDO /100ML	31505 TOT COLI MPN CONF /100ML	31507 TOT COLI MPN COMP /100ML	31616 FEC COLI MFM-FCBR /100ML	32211 CHLRPHYL A UG/L CORRECTD	32218 PHEOPHTN A UG/L
93/10/04	1520									3		
93/11/01	1435									1K		
93/12/06	1510									1K		
94/01/03	1500									1K		
94/02/07	1505									1K		
94/03/07	1505									7		
94/04/04	1450									16		
94/05/02	1450									5		
94/06/06	1630									8		
94/07/05	1550									1		
94/08/01	1450									1K		
94/09/05	1500									1		

DATE FROM TO	TIME	DEPTH FEET	70300 RESIDUE DISS-180 C MG/L	70303 DISS SOL TONS PER ACRE-FT	71851 NITRATE DISS-NO3 MG/L	82079 TURBIDTY LAB NTU
93/10/04	1520					1.2
93/11/01	1435					1.4
93/12/06	1510					1.2

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	70300 RESIDUE DISS-180 C MG/L	70303 DISS SOL TONS PER ACRE-FT	71851 NITRATE DISS-NO3 MG/L	82079 TURBIDTY LAB NTU
94/01/03	1500					3.5
94/02/07	1505					1.3
94/03/07	1505					12.0
94/04/04	1450					7.0
94/05/02	1450					3.4
94/06/06	1630					2.1
94/07/05	1550					2.2
94/08/01	1450					1.1
94/09/05	1500					1.2

36A070 0536A070 12472900 541118
COLUMBIA RIVER NEAR VERNITA
46 38 34.0 119 43 54.0 2F 0 Elev= 0 ft
53005 Washington Benton Co. PACIFIC NORTHWEST
UPPER COLUMBIA (Esquatzel Coulee-36) 130536
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 26-00-03 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1310001
MILES 0388.10 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	33 WEATHER CODE	35 WIND VELOCITY MPH	36 WIND DIR.FROM NORTH-0	60 STREAM FLOW CFS	69 SEA CODE	70 TURB JKSN JTU	80 COLOR PT-CO UNITS
93/10/12	1100		426010	16.0	752				72200			
93/11/08	1150		466010	12.5	758				49700			
93/12/14	1220		516010	8.2	748				94400			
94/01/10	1130		26010	4.8	754				82000			
94/02/15	1325		76010	2.8	721				133000			
94/03/15	1130		116010	4.1	747				118000			
94/04/12	1200		156010	6.1	752				99500			
94/05/10	1130		196010	10.3	752				130000			
94/06/14	1130		246010	12.6	749				166000			
94/07/12	1400		286010	17.6	747				135000			
94/08/09	1255		326010	19.7	726				46500			
94/09/13	1050		376010	18.0	749				45200			

DATE FROM TO	TIME	DEPTH FEET	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	310 BOD 5 DAY MG/L	340 COD HI LEVEL MG/L	400 PH SU	405 CO2 MG/L	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L
93/10/12	1100		125	9.5	96.7			7.40				
93/11/08	1150		126	10.7	100.2			8.30				
93/12/14	1220		135	10.7	92.1			8.10				
94/01/10	1130		159	12.2	95.6			8.30				
94/02/15	1325		148	13.4	104.3			8.20				
94/03/15	1130		153	13.7	106.5			8.10				
94/04/12	1200		142	13.2	107.3			8.40				
94/05/10	1130		147	13.2	118.6			8.70				
94/06/14	1130		123	11.2	106.3			8.00				
94/07/12	1400		121	10.8	114.3			8.60				
94/08/09	1255		130	11.3	128.4			8.50				
94/09/13	1050		136	10.4	110.6			8.40				

DATE FROM TO	TIME	DEPTH FEET	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N MG/L	605 ORG N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	650 T PO4 PO4 MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	605 ORG N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	650 T PO4 PO4 MG/L
93/10/12	1100		2.0	0.15		0.010					0.075	
93/11/08	1150		2.0	0.19		0.010K					0.079	
93/12/14	1220		1.0	0.15		0.010K					0.090	
94/01/10	1130		1.0	0.17		0.010K					0.101	
94/02/15	1325		1.0	0.19		0.010K					0.120	
94/03/15	1130		2.0	0.17		0.010K					0.093	
94/04/12	1200		4.0	0.11		0.010K					0.062	
94/05/10	1130		5.0	0.14		0.011					0.016	
94/06/14	1130		2.0	0.08		0.010K					0.056	
94/07/12	1400		3.0	0.11		0.011					0.010K	
94/08/09	1255		3.0	0.13		0.010K					0.044	
94/09/13	1050		2.0	0.13		0.010K					0.043	

DATE FROM TO	TIME	DEPTH FEET	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	680 T ORG C C MG/L	760 SWL PBI MG/L	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L
93/10/12	1100			0.014	0.010K							
93/11/08	1150			0.016	0.010K							
93/12/14	1220			0.013	0.010K							
94/01/10	1130			0.016	0.010K							
94/02/15	1325			0.010K	0.010K							
94/03/15	1130			0.012	0.010K							
94/04/12	1200			0.010	0.010K							
94/05/10	1130			0.011	0.010K							
94/06/14	1130			0.010K	0.010K							
94/07/12	1400			0.010K	0.010K							
94/08/09	1255			0.010K	0.010K							
94/09/13	1050			0.019	0.010K							

DATE FROM TO	TIME	DEPTH FEET	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1000 ARSENIC AS,DISS UG/L	1002 ARSENIC AS,TOT UG/L	1005 BARIUM BA,DISS UG/L	1020 BORON B,DISS UG/L	1025 CADMIUM CD,DISS UG/L

DATE FROM TO	TIME	DEPTH FEET	1027 CADMIUM CD,TOT UG/L	1030 CHROMIUM CR,DISS UG/L	1034 CHROMIUM CR,TOT UG/L	1040 COPPER CU,DISS UG/L	1042 COPPER CU,TOT UG/L	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L	1051 LEAD PB,TOT UG/L	1065 NICKEL NI,DISS UG/L	1075 SILVER AG,DISS UG/L

DATE FROM TO	TIME	DEPTH FEET	1090 ZINC ZN,DISS UG/L	1092 ZINC ZN,TOT UG/L	1094 ZINC TOT REC UG/L	1105 ALUMINUM AL,TOT UG/L	1113 CADMIUM TOT REC UG/L	1114 LEAD TOT REC UG/L	1118 CHROMIUM TOT REC UG/L	1119 COPPER TOT REC UG/L	1130 LITHIUM LI,DISS UG/L	1145 SELENIUM SE,DISS UG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	1090 ZINC ZN,DISS UG/L	1092 ZINC ZN,TOT UG/L	1094 ZINC TOT REC UG/L	1105 ALUMINUM AL,TOT UG/L	1113 CADMIUM TOT REC UG/L	1114 LEAD TOT REC UG/L	1118 CHROMIUM TOT REC UG/L	1119 COPPER TOT REC UG/L	1130 LITHIUM LI,DISS UG/L	1145 SELENIUM SE,DISS UG/L
93/10/12	1100											
93/11/08	1150											
93/12/14	1220											
94/01/10	1130											
94/02/15	1325											
94/03/15	1130											
94/04/12	1200											
94/05/10	1130											
94/06/14	1130											
94/07/12	1400											
94/08/09	1255											
94/09/13	1050											

DATE FROM TO	TIME	DEPTH FEET	31501 TOT COLI MFIMENDO /100ML	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML	31625 FEC COLI M-FCAGAD /100 ML	70300 RESIDUE DISS-180 C MG/L	71900 MERCURY HG,TOTAL UG/L	71901 MERCURY TOT REC UG/L	82079 TURBIDTY LAB NTU
93/10/12	1100					1					0.9
93/11/08	1150					1					1.1
93/12/14	1220										0.8
94/01/10	1130					1K					0.8
94/02/15	1325					1K					0.7
94/03/15	1130					1					0.9
94/04/12	1200					1K					1.1
94/05/10	1130					3					2.2
94/06/14	1130					2					1.0
94/07/12	1400					3					1.3
94/08/09	1255					1K					1.3
94/09/13	1050					1K					1.2

37A090 0537A090 12510500
YAKIMA RIVER AT KIONA
46 15 13.0 119 28 37.0 2F 0 Elev= 0 ft
53005 Washington Benton Co. PACIFIC NORTHWEST
YAKIMA (Lower Yakima-37) 130437
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 18-37-01 Class= B Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1310001 002750
MILES 0335.20 0029.80 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	310 BOD 5 DAY MG/L
93/10/12	0720		426006	13.0	756	1360			290	9.3	88.3	
93/11/08	0710		466006	5.7	760	1780			303	11.1	88.5	
93/12/14	0805		516006	5.3	750	2100			275	11.2	89.5	
94/01/10	0640		26006	3.8	757	1980			310	12.1	92.2	
94/02/15	0750		76006	4.7	752	1800			280	11.6	91.0	
94/03/15	0730		116006	8.1	749	2610			228	10.4	89.1	
94/04/12	0810		156006	11.6	752	1750			222	8.9	82.4	
94/05/10	0800		196006	18.3	752	2430			325	7.6	81.1	
94/06/14	0810		246006	14.6	749	991			292	8.4	83.3	
94/07/12	1040		286006	23.1	747	580			298	9.8	115.4	
94/08/09	0820		326006	21.5	751	927			295	7.5	85.2	
94/09/13	0730		376006	16.2	749	895			277	8.2	84.1	

DATE FROM TO	TIME	DEPTH FEET	340 COD HI LEVEL MG/L	400 PH SU	405 CO2 MG/L	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	605 ORG N N MG/L	610 NH3+NH4- N TOTAL MG/L
93/10/12	0720			7.90					20.0	1.67		0.025
93/11/08	0710			7.90					8.0	1.82		0.018
93/12/14	0805			8.00					16.0	1.78		0.066
94/01/10	0640			7.70					9.0	1.67		0.060
94/02/15	0750			7.80					16.0	1.75		0.062
94/03/15	0730			8.30					40.0	1.28		0.022
94/04/12	0810			8.20					29.0	0.74		0.010K
94/05/10	0800			7.90					42.0	0.83		0.035
94/06/14	0810			8.20					27.0	1.57		0.010K
94/07/12	1040			8.60					22.0	0.82		0.021
94/08/09	0820			8.20					37.0	1.32		0.010K
94/09/13	0730			8.20					26.0	1.26		0.010K

DATE FROM TO	TIME	DEPTH FEET	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	618 NO3-N DISS MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	650 T PO4 PO4 MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	618 NO3-N DISS MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	650 T PO4 PO4 MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P
93/10/12	0720							1.510			0.131	0.101
93/11/08	0710							1.630			0.092	0.069
93/12/14	0805							1.580			0.113	
94/01/10	0640							1.460			0.110	0.076
94/02/15	0750							1.530			0.102	0.068
94/03/15	0730							0.917			0.120	0.046
94/04/12	0810							0.651			0.111	0.034
94/05/10	0800							0.596			0.117	0.066
94/06/14	0810							1.150			0.091	0.065
94/07/12	1040							0.645			0.061	0.090
94/08/09	0820							0.996			0.172	0.117
94/09/13	0730							1.070			0.157	0.088

DATE FROM TO	TIME	DEPTH FEET	680 T ORG C C MG/L	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	931 SODIUM ADSBTION RATIO	932 PERCENT SODIUM %	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L

DATE FROM TO	TIME	DEPTH FEET	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1000 ARSENIC AS,DISS UG/L	1005 BARIUM BA,DISS UG/L	1020 BORON B,DISS UG/L	1025 CADMIUM CD,DISS UG/L	1027 CADMIUM CD,TOT UG/L	1030 CHROMIUM CR,DISS UG/L	1034 CHROMIUM CR,TOT UG/L

DATE FROM TO	TIME	DEPTH FEET	1040 COPPER CU,DISS UG/L	1042 COPPER CU,TOT UG/L	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L	1051 LEAD PB,TOT UG/L	1065 NICKEL NI,DISS UG/L	1075 SILVER AG,DISS UG/L	1080 STRONTUM SR,DISS UG/L	1090 ZINC ZN,DISS UG/L	1092 ZINC ZN,TOT UG/L

DATE FROM TO	TIME	DEPTH FEET	1105 ALUMINUM AL,TOT UG/L	1130 LITHIUM LI,DISS UG/L	1145 SELENIUM SE,DISS UG/L	31501 TOT COLI MFIMENDO /100ML	31503 TOT COLI MFDLENDO /100ML	31504 TOT COLI MFIM LES /100ML	31507 TOT COLI MPN COMP /100ML	31616 FEC COLI MFM-FCBR /100ML	31625 FEC COLI M-FCAGAD /100 ML	31672 FECSTREP PC M-ENT /100ML
93/10/12	0720									36X		
93/11/08	0710									24		
94/01/10	0640									56		
94/02/15	0750									14		
94/03/15	0730									11		
94/04/12	0810									17		
94/05/10	0800									120		
94/06/14	0810									34X		

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	1105 ALUMINUM AL,TOT UG/L	1130 LITHIUM LI,DISS UG/L	1145 SELENIUM SE,DISS UG/L	31501 TOT COLI MFIMENDO /100ML	31503 TOT COLI MFDLENDO /100ML	31504 TOT COLI MFIM LES /100ML	31507 TOT COLI MPN COMP /100ML	31616 FEC COLI MFM-FCBR /100ML	31625 FEC COLI M-FCAGAD /100 ML	31672 FECSTREP PC M-ENT /100ML
94/07/12	1040									57		
94/08/09	0820									96		
94/09/13	0730									9		

DATE FROM TO	TIME	DEPTH FEET	33410 Unknown Par Name TOT UG/L	39330 ALDRIN TOT.UG/L	39340 GAMMABHC LINDANE TECH&MET TOT UG/L	39350 CHLRDANE TOT UG/L	39360 DDD WHL SMPL UG/L	39365 DDE WHL SMPL UG/L	39370 DDT WHL SMPL UG/L	39380 DIELDRIN TOTUG/L	39390 ENDRIN TOT UG/L	39410 HEPTCHLR TOTUG/L

DATE FROM TO	TIME	DEPTH FEET	39420 HPCHLREP TOTUG/L	39730 2,4-D WHL SMPL UG/L	39740 2,4,5-T WHL SMPL UG/L	39760 SILVEX WHL SMPL UG/L	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L	70302 DISS SOL TONS/DAY	70303 DISS SOL TONS PER ACRE-FT	71851 NITRATE DISS-NO3 MG/L	71900 MERCURY HG,TOTAL UG/L

DATE FROM TO	TIME	DEPTH FEET	82079 TURBIDTY LAB NTU
93/10/12	0720		9.3
93/11/08	0710		4.2
93/12/14	0805		6.7
94/01/10	0640		4.5
94/02/15	0750		7.3
94/03/15	0730		12.0
94/04/12	0810		12.0
94/05/10	0800		17.0
94/06/14	0810		10.0
94/07/12	1040		8.9
94/08/09	0820		17.0
94/09/13	0730		12.0

37A130 7737A130 12508990
YAKIMA RIVER AT MABTON
46 13 53.0 119 59 54.0 2F 0 Elev= 0 ft
53077 Washington Yakima Co. PACIFIC NORTHWEST
YAKIMA (Lower Yakima-37) 130437
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 18-37-01 Class= B Miles= 0.00 to 0.00
AMBNT/STREAM

INDEX 1310001 002750
MILES 0335.20 0059.80 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU	410 T ALK CACO3 MG/L
93/10/12	0815		426007	12.5	751	1430		270	10.1	95.5	7.70	
93/11/08	0820		466007	5.6	752	1430		273	11.8	94.7	8.20	
93/12/14	0920		516007	5.4	745	1680		246	11.0	88.8	8.20	
94/01/10	0750		26007	4.1	752	1590		290	12.2	94.3	7.90	
94/02/15	0850		76007	5.0	746	1460		259	12.2	97.3	8.10	
94/03/15	0830		116007	8.0	744	2200		203	11.2	96.4	7.80	
94/04/12	0910		156007	11.6	747	1520		207	10.4	96.9	8.40	
94/05/10	0900		196007	17.0	747	3050		162	9.0	94.1	8.10	
94/06/14	0910		246007	15.6	744	958		253	8.2	83.6	8.00	
94/07/12	1140		286007	21.5	742	655		274	8.5	97.8	8.30	
94/08/09	0930		326007	20.7	745	965		212	8.3	93.7	8.10	
94/09/13	0830		376007	15.2	744	1130		251	9.0	91.0	8.00	

DATE FROM TO	TIME	DEPTH FEET	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	535 RESIDUE VOL NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L
93/10/12	0815				23.0		1.77	0.043				1.600
93/11/08	0820				6.0		1.85	0.044				1.580
93/12/14	0920				9.0		1.57	0.046				1.270
94/01/10	0750				7.0		1.56	0.081				1.360
94/02/15	0850				13.0		1.57	0.055				1.360
94/03/15	0830				23.0		1.06	0.032				0.770
94/04/12	0910				24.0		0.79	0.010K				0.685
94/05/10	0900				29.0		0.68	0.036				0.505
94/06/14	0910				23.0		1.33	0.019				1.160
94/07/12	1140				25.0		1.43	0.123				1.190
94/08/09	0930				43.0		1.09	0.042				0.864
94/09/13	0830				23.0		1.39	0.025				1.060

DATE FROM TO	TIME	DEPTH FEET	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	680 T ORG C C MG/L	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	680 T ORG C C MG/L	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L
93/10/12	0815		0.099	0.074								
93/11/08	0820		0.097	0.076								
93/12/14	0920		0.085									
94/01/10	0750		0.090	0.066								
94/02/15	0850		0.090	0.060								
94/03/15	0830		0.087	0.041								
94/04/12	0910		0.095	0.039								
94/05/10	0900		0.087	0.044								
94/06/14	0910		0.056	0.056								
94/07/12	1140		0.150	0.086								
94/08/09	0930		0.125	0.073								
94/09/13	0830		0.106	0.063								

DATE FROM TO	TIME	DEPTH FEET	945 SULFATE SO4-TOT MG/L	31504 TOT COLI MFIM LES /100ML	31616 FEC COLI MFM-FCBR /100ML	31672 FECSTREP PC M-ENT /100ML	82079 TURBIDTY LAB NTU
93/10/12	0815				120S		9.6
93/11/08	0820				210		3.9
93/12/14	0920						4.4
94/01/10	0750				180		3.1
94/02/15	0850				71		5.3
94/03/15	0830				100		11.0
94/04/12	0910				120S		12.0
94/05/10	0900				200		12.0
94/06/14	0910				180		13.0
94/07/12	1140				330		16.0
94/08/09	0930				1200J		20.0
94/09/13	0830				230		11.0

37A210 7737A210 12500010
YAKIMA RIVER NEAR TERRACE HEIGHT
46 36 21.0 120 28 27.0 2F 0 Elev= 0 ft
53077 Washington Yakima Co. PACIFIC NORTHWEST
YAKIMA (Lower Yakima-37) 130437
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 18-37-02 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM

INDEX 1310001 002750
MILES 0335.20 0113.20 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU	410 T ALK CACO3 MG/L
93/10/12	0940		426009	11.0	740	1740		116	10.7	99.3	8.00	
93/11/08	1000		466009	3.5	742	1240		165	13.2	101.7	8.00	
93/12/14	1045		516009	3.4	732	1290		142	12.4	96.6	8.40	
94/01/10	0925		26009	3.0	742	1320		174	12.5	95.1	8.20	
94/02/15	1200		76009	3.4	734	1290		149	13.0	101.0	8.00	
94/03/15	1000		116009	6.5	734	2640		123	11.9	100.1	8.00	
94/04/12	1050		156009	8.1	737	2410		101	11.5	100.2	8.00	
94/05/10	1010		196009	10.2	744	3990			10.7	96.9	7.80	
94/06/14	1020		246009	12.2	732	2750		98	10.0	96.4	8.20	
94/07/12	1250		286009	17.8	732	2740		85	9.8	106.4	8.60	
94/08/09	1055		326009	17.7	734	3240		78	10.1	109.0	8.10	
94/09/13	0950		376009	13.8	734	2510		112	9.9	98.5	7.90	

DATE FROM TO	TIME	DEPTH FEET	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	665 PHOS-TOT MG/L P
93/10/12	0940				7.0	0.29	0.013				0.180	0.026
93/11/08	1000				6.0	0.43	0.014				0.307	0.029
93/12/14	1045				11.0	0.49	0.027				0.359	0.037
94/01/10	0925				10.0	0.45	0.024				0.325	0.042
94/02/15	1200				6.0	0.36	0.010				0.255	0.030
94/03/15	1000				9.0	0.20	0.010K				0.068	0.026
94/04/12	1050				10.0	0.11	0.010K				0.044	0.034
94/05/10	1010				14.0	0.19	0.026				0.083	0.036
94/06/14	1020				10.0	0.15	0.010K				0.127	0.010
94/07/12	1250				9.0	0.22	0.017				0.094	0.029
94/08/09	1055				15.0	0.14	0.010K				0.052	0.018
94/09/13	0950				9.0	0.19	0.010K				0.062	0.023

DATE FROM TO	TIME	DEPTH FEET	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	31504 TOT COLI MFIM LES /100ML

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	31504 TOT COLI MFIM LES /100ML
93/10/12	0940		0.014									
93/11/08	1000		0.021									
93/12/14	1045		0.033									
94/01/10	0925		0.027									
94/02/15	1200		0.021									
94/03/15	1000		0.010									
94/04/12	1050		0.012									
94/05/10	1010		0.021									
94/06/14	1020		0.010K									
94/07/12	1250		0.010K									
94/08/09	1055		0.012									
94/09/13	0950		0.012									

DATE FROM TO	TIME	DEPTH FEET	31616 FEC COLI MFM-FCBR /100ML	31672 FECSTREP PC M-ENT /100ML	82079 TURBIDTY LAB NTU
93/10/12	0940		37		4.5
93/11/08	1000		7		3.2
93/12/14	1045				4.5
94/01/10	0925		10		3.1
94/02/15	1200		7		2.2
94/03/15	1000		8		2.8
94/04/12	1050		19		4.1
94/05/10	1010		48		6.1
94/06/14	1020		40		3.7
94/07/12	1250		28		3.6
94/08/09	1055		43		3.7
94/09/13	0950		21		4.2

37F070 7737F070
Sulfer Ck Wasteway @ McGee Rd
46 15 03.0 120 01 07.0 2F000 Elev= 0 ft
53077 Washington Yakima Co. PACIFIC NORTHWEST
Columbia River below Yakima River 131037
21540000 Reach=17030003005 0.000 Drg= 0 sqmi
AMBNT/STREAM

INDEX 1310001 002750 00280
MILES 0335.20 0061.00 001.70 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L
93/10/12	0840		426008	11.7	752	264	318	9.7	90.0	7.90	84.0	2.94
93/11/08	0850		466008	7.2	753	69	591	10.2	85.2	8.10	10.0	6.38
93/12/14	0940		516008	8.8	745	67	631	9.2	80.8	8.20	29.0	6.46
94/01/10	0810		26008	8.0	752	53	741	9.7	82.8	8.20	52.0	7.12
94/02/15	0920		76008	8.3	746	46	673	9.8	85.0	8.40	62.0	7.46
94/03/15	0845		116008	7.6	744	47	677	9.9	84.5	8.70	21.0	7.31
94/04/12	0940		156008	9.4	747	206	249	10.0	88.7	8.20	97.0	1.70
94/05/10	0915		196008	14.2	747	85	417	8.5	83.9	8.10	171.0	3.59
94/06/14	0920		246008	13.2	744	96	365	9.1	88.2	8.10	52.0	3.30
94/07/12	1200		286008	18.0	742	74	419	10.7	115.1	8.50	37.0	4.01
94/08/09	0950		326008	17.2	744	119	341	8.9	93.9	8.10	67.0	3.07
94/09/13	0840		376008	12.8	744	110	395	8.7	83.6	7.80	15.0	3.59

DATE FROM TO	TIME	DEPTH FEET	610 NH3+NH4- N TOTAL MG/L	630 NO2+NO3 N-TOTAL MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	31616 FEC COLI MFM-FCBR /100ML	82079 TURBIDTY LAB NTU
93/10/12	0840		0.055	2.500	0.143	0.095	510	12.0
93/11/08	0850		0.251	5.660	0.164	0.107	3000J	4.5
93/12/14	0940		0.326	5.920	0.215			9.1
94/01/10	0810		0.351	5.600	0.238	0.169	1600S	14.0
94/02/15	0920		0.273	6.540	0.231	0.145	730	17.0
94/03/15	0845		0.265	5.280	0.196	0.143	1000J	5.4
94/04/12	0940		0.025	1.490	0.172	0.062	1700J	23.0
94/05/10	0915		0.096	3.220	0.296	0.123	1300	60.0
94/06/14	0920		0.023	3.350	0.104	0.090	1600J	21.0
94/07/12	1200		0.118	3.910	0.246	0.203	3200	19.0
94/08/09	0950		0.037	2.750	0.181	0.105	2700	26.0
94/09/13	0840		0.050	3.230	0.174	0.124	730	10.0

41A070 2541A070 12472600 541133
CRAB CREEK NEAR BEVERLY
46 49 53.0 119 48 54.0 2F 0 Elev= 0 ft
53025 Washington GRANT CO. PACIFIC NORTHWEST
UPPER COLUMBIA (Lower Crab-41) 130541
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 19-41-01 Class= B Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1310001 003020
MILES 0410.80 0006.00 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	310 BOD 5 DAY MG/L
93/10/12	1145		426011	12.8	753	347			523	10.5	99.8	
93/11/08	1300		466011	5.9	754	239			599	13.8	111.4	
93/12/14	1300		516011	8.4	746	225			738	12.4	107.7	
94/01/10	1230		26011	4.8	752	215			859	12.1	95.4	
94/02/15	1405		76011	5.1	747	185			793	11.9	95.2	
94/03/15	1230		116011	10.4	744	125			782	14.6	133.2	
94/04/12	1310		156011	11.8	749	250			562	10.0	93.4	
94/05/10	1230		196011	18.6	747	237			536	9.5	102.8	
94/06/14	1230		246011	14.8	747	259			476	10.4	104.0	
94/07/12	1450		286011	22.4	749	251			462	10.8	125.1	
94/08/09	1355		326011	22.1	746	296			504	10.5	121.7	
94/09/13	1150		376011	16.4	747	325			522	10.3	106.6	

DATE FROM TO	TIME	DEPTH FEET	400 PH SU	405 CO2 MG/L	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	605 ORG N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L
93/10/12	1145		8.40					8.0	1.67		0.012	
93/11/08	1300		8.20					10.0	2.37		0.018	
93/12/14	1300		8.40					11.0	2.85		0.032	
94/01/10	1230		8.60					15.0	3.15		0.031	
94/02/15	1405		8.80					20.0	3.46		0.014	
94/03/15	1230		8.60					8.0	3.36		0.010K	
94/04/12	1310		8.50					89.0	1.46		0.010K	
94/05/10	1230		8.50					85.0	1.44		0.017	
94/06/14	1230		8.60					49.0	1.17		0.010K	
94/07/12	1450		8.70					67.0	1.21		0.027	
94/08/09	1355		8.60					66.0	1.47		0.010K	
94/09/13	1150		8.40					10.0	1.62		0.010K	

DATE FROM TO	TIME	DEPTH FEET	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	650 T PO4 PO4 MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	650 T PO4 PO4 MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L
93/10/12	1145					1.420			0.033	0.014		
93/11/08	1300					2.010			0.057	0.035		
93/12/14	1300					2.580			0.092	0.068		
94/01/10	1230					2.810			0.087	0.059		
94/02/15	1405					3.200			0.093	0.040		
94/03/15	1230					2.890			0.075	0.025		
94/04/12	1310					1.260			0.185	0.015		
94/05/10	1230					1.120			0.108	0.010K		
94/06/14	1230					1.260			0.028	0.010K		
94/07/12	1450					1.040			0.082	0.010K		
94/08/09	1355					1.150			0.065	0.011		
94/09/13	1150					1.250			0.053	0.010K		

DATE FROM TO	TIME	DEPTH FEET	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	931 SODIUM ADSBTION RATIO	932 PERCENT SODIUM %	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L

DATE FROM TO	TIME	DEPTH FEET	1000 ARSENIC AS,DISS UG/L	1005 BARIUM BA,DISS UG/L	1020 BORON B,DISS UG/L	1025 CADMIUM CD,DISS UG/L	1030 CHROMIUM CR,DISS UG/L	1034 CHROMIUM CR,TOT UG/L	1040 COPPER CU,DISS UG/L	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L	1065 NICKEL NI,DISS UG/L

DATE FROM TO	TIME	DEPTH FEET	1075 SILVER AG,DISS UG/L	1080 STRONTUM SR,DISS UG/L	1090 ZINC ZN,DISS UG/L	1130 LITHIUM LI,DISS UG/L	1145 SELENIUM SE,DISS UG/L	31501 TOT COLI MFIMENDO /100ML	31503 TOT COLI MFDLENDO /100ML	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML	31507 TOT COLI MPN COMP /100ML

DATE FROM TO	TIME	DEPTH FEET	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L	70302 DISS SOL TONS/DAY	70303 DISS SOL TONS PER ACRE-FT	71850 NITRATE TOT-NO3 MG/L	71851 NITRATE DISS-NO3 MG/L	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
93/10/12	1145		69								3.2
93/11/08	1300		27								5.5
93/12/14	1300										4.5
94/01/10	1230		9								6.5
94/02/15	1405		9								8.4
94/03/15	1230		13								3.2
94/04/12	1310		720								31.0
94/05/10	1230		160								26.0

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L	70302 DISS SOL TONS/DAY	70303 DISS SOL TONS PER ACRE-FT	71850 NITRATE TOT-NO3 MG/L	71851 NITRATE DISS-NO3 MG/L	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
94/06/14	1230		96								18.0
94/07/12	1450		40								23.0
94/08/09	1355		360								19.0
94/09/13	1150		100								5.0

41A110 2541A110 12467000 541117
CRAB CREEK NEAR MOSES LAKE
47 11 23.0 119 15 54.0 2F 0 Elev= 0 ft
53025 Washington GRANT CO. PACIFIC NORTHWEST
UPPER COLUMBIA (Lower Crab-41) 130541
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 19-41-01 Class= B Miles= 0.00 to 0.00
AMBNT/STREAM

INDEX 1310001 003020
MILES 0410.80 0063.00 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU
93/10/04	1050		416150	12.8	734	44			492	11.8	115.0	8.20
93/11/01	1040		456150	6.8	743	32			543	13.9	116.6	8.30
93/12/06	1040		506150	1.4	732	17			622	12.2	90.3	7.80
94/01/03	1045		16150	2.8	740	18			625	11.4	86.6	8.20
94/02/07	1055		66150	1.3	730	11			696	12.2	90.3	8.40
94/03/07	1040		106150	2.6J	746	8			614	12.9	96.8	8.30
94/04/04	1035		146150	8.2	738	7			589	10.2	89.1	8.30
94/05/02	1020		186150	10.9	734	18			424	12.3	114.9	8.40
94/06/06	1105		236150	14.8	730	29			431	11.1	113.7	8.10
94/07/05	1115		276150	18.1	733	41			454	11.9	129.9	8.20
94/08/01	1035		316150	19.0	733	44			387	11.3	125.6	8.10
94/09/05	1020		366150	15.0	740	49			500	11.1	112.5	8.10

DATE FROM TO	TIME	DEPTH FEET	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P
93/10/04	1050				12.0	1.39	0.011			0.977		0.034
93/11/01	1040				2.0	1.54	0.011			1.420		0.031
93/12/06	1040				2.0	1.79	0.037			1.350		0.075
94/01/03	1045				4.0	1.45	0.068			1.130		0.078
94/02/07	1055				9.0	1.75	0.052			1.450		0.083
94/03/07	1040				8.0	1.11	0.020			0.860		0.057
94/04/04	1035				3.0	0.63	0.017			0.280		0.030
94/05/02	1020				14.0	0.54	0.014			0.306		0.047
94/06/06	1105				44.0	0.84	0.010K			0.546		0.045
94/07/05	1115				14.0	0.93	0.010			0.872		0.022
94/08/01	1035				17.0	0.91	0.010K			0.781		0.025
94/09/05	1020				13.0	1.10	0.014			0.958		0.017

DATE FROM TO	TIME	DEPTH FEET	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L
93/10/04	1050		0.014									
93/11/01	1040		0.021									
93/12/06	1040		0.053									
94/01/03	1045		0.062									
94/02/07	1055		0.064									
94/03/07	1040		0.037									
94/04/04	1035		0.011									
94/05/02	1020		0.010									
94/06/06	1105		0.010K									
94/07/05	1115		0.010K									
94/08/01	1035		0.010K									
94/09/05	1020		0.011									

DATE FROM TO	TIME	DEPTH FEET	955 SILICA DISOLVED MG/L	1020 BORON B,DISS UG/L	1045 IRON FE,TOT UG/L	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L	82079 TURBIDTY LAB NTU
93/10/04	1050						52		2.1
93/11/01	1040						22		0.8
93/12/06	1040						17		1.4
94/01/03	1045						18		1.0
94/02/07	1055						34		4.0
94/03/07	1040						6		2.6
94/04/04	1035						23		1.4
94/05/02	1020						57		4.0
94/06/06	1105						61		9.1
94/07/05	1115						35		4.1
94/08/01	1035						190		4.9
94/09/05	1020						48		4.9

45A070 0745A070 12462520 541017
WENATCHEE RIVER AT WENATCHEE
47 27 32.0 120 20 07.0 2F 0 Elev= 0 ft
53007 Washington Chelan Co. PACIFIC NORTHWEST
UPPER COLUMBIA (Wenatchee-45) 130545
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 21-45-01 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1310001 003550
MILES 0468.40 0001.10 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	310 BOD 5 DAY MG/L
93/10/12	1530		426013	12.2	745	302			103	12.3	116.5	
93/11/09	1255		466013	3.0	748	486			83	14.8	111.6	
93/12/15	1200		516013	2.2	748	711			69	14.0	103.3	
94/01/11	1145		26013	1.8	751	762			89	14.7	107.0	
94/02/16	1150		76013	3.4	740	798			75	13.1	100.9	
94/03/16	1215		116013	5.6	737	2480			60	12.7	104.0	
94/04/13	1220		156013	6.5	744	3080			53	13.0	107.8	
94/05/11	1620		196013	8.5	739	10900			32	11.4	99.9	
94/06/15	1420		246013	11.5	742	4180			35	10.9	102.0	
94/07/13	1530		286013	20.0	737	1870			44	9.5	106.9	
94/08/10	1220		326013	18.6	741	653			68	11.7	127.3	
94/09/14	1400		376013	15.4	742	399			92	11.9	121.2	

DATE FROM TO	TIME	DEPTH FEET	340 COD HI LEVEL MG/L	400 PH SU	405 CO2 MG/L	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	605 ORG N N MG/L	610 NH3+NH4- N TOTAL MG/L
93/10/12	1530			9.10					4.0	0.48		0.014
93/11/09	1255			8.40					2.0	0.32		0.010K
93/12/15	1200			7.70					3.0	0.28		0.010K
94/01/11	1145			7.90					14.0	0.25		0.010K
94/02/16	1150			8.40					5.0	0.30		0.010K
94/03/16	1215			8.00					6.0	0.20		0.012
94/04/13	1220			8.70					5.0	0.07		0.010K
94/05/11	1620			7.70					14.0	0.14		0.010K
94/06/15	1420			7.80					3.0	0.09		0.010K
94/07/13	1530			8.40					2.0	0.13		0.010K
94/08/10	1220			9.00					2.0	0.22		0.010K
94/09/14	1400			8.80					5.0	0.41		0.010K

DATE FROM TO	TIME	DEPTH FEET	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L
93/10/12	1530						0.342		0.017	0.010K		
93/11/09	1255						0.245		0.010	0.010K		
93/12/15	1200						0.214		0.010K	0.010K		
94/01/11	1145						0.185		0.010K	0.010K		
94/02/16	1150						0.188		0.010K	0.010K		
94/03/16	1215						0.077		0.011	0.010K		
94/04/13	1220						0.022		0.010K			
94/05/11	1620						0.066		0.012	0.010K		
94/06/15	1420						0.055		0.010K	0.010K		
94/07/13	1530						0.065		0.010K	0.010K		
94/08/10	1220						0.130		0.010K	0.010K		
94/09/14	1400						0.294		0.019	0.010K		

DATE FROM TO	TIME	DEPTH FEET	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1000 ARSENIC AS,DISS UG/L	1005 BARIUM BA,DISS UG/L

DATE FROM TO	TIME	DEPTH FEET	1020 BORON B,DISS UG/L	1025 CADMIUM CD,DISS UG/L	1030 CHROMIUM CR,DISS UG/L	1040 COPPER CU,DISS UG/L	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L	1065 NICKEL NI,DISS UG/L	1075 SILVER AG,DISS UG/L	1090 ZINC ZN,DISS UG/L	1145 SELENIUM SE,DISS UG/L

DATE FROM TO	TIME	DEPTH FEET	31501 TOT COLI MFIMENDO /100ML	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
93/10/12	1530					1			8.4
93/11/09	1255					2			0.5
93/12/15	1200					3			0.7
94/01/11	1145					15			1.0
94/02/16	1150					8			1.0
94/03/16	1215					2			1.2
94/04/13	1220					1K			1.2
94/05/11	1620					9			4.6
94/06/15	1420					1			1.0
94/07/13	1530					3			0.8
94/08/10	1220					14			0.7
94/09/14	1400					14			1.4

45A110 0745A110 12457800 541115
WENATCHEE RIVER NEAR LEAVENWORTH
47 40 35.0 120 44 00.0 2F 0 Elev= 0 ft
53007 Washington Chelan Co. PACIFIC NORTHWEST
UPPER COLUMBIA (Wenatchee-45) 130545
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 21-45-01 Class= AA Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1310001 003550
MILES 0468.40 0035.60 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU
93/10/12	1445		426012	10.9	721	243			45	10.7	101.7	8.30
93/11/09	1400		466012	3.7	724	311			40	12.6	100.0	7.60
93/12/15	1255		516012	3.0	735	456			42	13.0	99.7	7.80
94/01/11	1240		26012	2.7	721	542			47	13.1	101.6	7.80
94/02/16	1240		76012	2.8	726	536			40	12.7	98.1	8.00
94/03/16	1310		116012	4.4	714	1630			37	12.2	100.0	7.60
94/04/13	1310		156012	4.7	719	2090			36	12.0	98.5	7.90
94/05/11	1700		196012	7.0	716	7320			25	11.3	94.2	7.60
94/06/15	1500		246012	10.7	716	2950			27	10.5	100.0	7.80
94/07/13	1620		286012	17.0	716	1540			29	9.3	101.5	8.20
94/09/14	1500		376012	14.6	719	315			42	10.1	104.4	8.00

DATE FROM TO	TIME	DEPTH FEET	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L
93/10/12	1445				1.0K	0.13	0.011				0.010K	
93/11/09	1400				1.0K	0.05	0.010K				0.010K	
93/12/15	1255				1.0	0.12	0.018				0.037	
94/01/11	1240				3.0	0.11	0.020				0.040	
94/02/16	1240				1.0K	0.11	0.010K				0.053	
94/03/16	1310				12.0	0.15	0.010K				0.066	
94/04/13	1310				4.0	0.11	0.010K				0.023	
94/05/11	1700				9.0	0.15	0.019				0.071	
94/06/15	1500				3.0	0.06	0.010K				0.044	
94/07/13	1620				2.0	0.05	0.010K				0.014	
94/09/14	1500				2.0	0.02	0.010K				0.010K	

DATE FROM TO	TIME	DEPTH FEET	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L
93/10/12	1445		0.010K	0.010K								

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L
93/11/09	1400		0.010K	0.010K								
93/12/15	1255		0.010K	0.010K								
94/01/11	1240		0.010K	0.010K								
94/02/16	1240		0.010K	0.010K								
94/03/16	1310		0.010K	0.010K								
94/04/13	1310		0.070									
94/05/11	1700		0.010K	0.010K								
94/06/15	1500		0.010K	0.010K								
94/07/13	1620		0.010K	0.010K								
94/09/14	1500		0.014	0.010K								

DATE FROM TO	TIME	DEPTH FEET	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1020 BORON B,DISS UG/L	1045 IRON FE,TOT UG/L	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L	82079 TURBIDTY LAB NTU
93/10/12	1445							1K		0.4
93/11/09	1400							1K		0.8
93/12/15	1255							4		0.8
94/01/11	1240							1K		0.6
94/02/16	1240							1		0.5K
94/03/16	1310							1K		1.7
94/04/13	1310							2		1.1
94/05/11	1700							1K		2.4
94/06/15	1500							1K		0.7
94/07/13	1620							1		0.7
94/09/14	1500							2		0.5K

46A070 0746A070 12452990 541018
ENTIAT RIVER NEAR ENTIAT
47 39 48.0 120 14 58.0 2F 0 Elev= 0 ft
53007 Washington Chelan Co. PACIFIC NORTHWEST
UPPER COLUMBIA (Entiat-46) 130546
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 21-46-02 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1310001 004000
MILES 0483.70 0001.50 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	310 BOD 5 DAY MG/L
93/10/13	1115		426019	11.5	744				100	11.3	105.5	
93/11/09	1050		466019	1.8	751				101	14.3	104.1	
93/12/15	1120		516019	0.9	747				93	13.8	98.8	
94/01/11	1100		26019	1.1	749				118	14.3	102.3	
94/02/16	1110		76019	3.0	740				101	13.3	101.3	
94/03/16	1140		116019	5.2	737				86	12.5	101.4	
94/04/13	1110		156019	5.8	744				74	12.3	100.2	
94/05/11	1500		196019	6.7	739				32	11.6	97.3	
94/06/15	1330		246019	9.7	739				40	10.8	97.4	
94/07/13	1445		286019	19.4	737				54	9.1	101.2	
94/08/10	1140		326019	16.6	741				80	11.0	115.0	
94/09/14	1320		376019	14.6	742				100	10.5	105.2	

DATE FROM TO	TIME	DEPTH FEET	400 PH SU	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L
93/10/13	1115		8.30				1.0	0.22	0.010K			
93/11/09	1050		8.10				1.0K	0.26	0.010K			
93/12/15	1120		7.80				2.0	0.27	0.010K			
94/01/11	1100		7.70				2.0	0.10	0.010K			
94/02/16	1110		8.40				1.0	0.23	0.010K			
94/03/16	1140		8.20				4.0	0.17	0.011			
94/04/13	1110		8.20				3.0	0.06	0.010K			
94/05/11	1500		7.80				25.0	0.13	0.010K			
94/06/15	1330		7.90				4.0	0.03	0.010K			
94/07/13	1445		8.00				2.0	0.08	0.010K			
94/08/10	1140		8.40				2.0	0.16	0.010K			
94/09/14	1320		8.50				2.0	0.23	0.010K			

DATE FROM TO	TIME	DEPTH FEET	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L
93/10/13	1115			0.159		0.010K	0.010K					
93/11/09	1050			0.199		0.010K	0.010K					
93/12/15	1120			0.198		0.010K	0.010K					
94/01/11	1100			0.156		0.010K	0.010K					
94/02/16	1110			0.177		0.010K	0.010K					
94/03/16	1140			0.081		0.010K	0.010K					
94/04/13	1110			0.025		0.011	0.010K					
94/05/11	1500			0.027		0.015	0.010K					
94/06/15	1330			0.022		0.010K	0.010K					
94/07/13	1445			0.023		0.010K	0.010K					
94/08/10	1140			0.078		0.010K	0.010K					
94/09/14	1320			0.158		0.019	0.010K					

DATE FROM TO	TIME	DEPTH FEET	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1020 BORON B,DISS UG/L	1030 CHROMIUM CR,DISS UG/L	1040 COPPER CU,DISS UG/L	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L

DATE FROM TO	TIME	DEPTH FEET	1090 ZINC ZN,DISS UG/L	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
93/10/13	1115					5			0.4
93/11/09	1050					1			0.6
93/12/15	1120					1K			0.6
94/01/11	1100					1K			0.4
94/02/16	1110					9			0.5K
94/03/16	1140					49			0.6
94/04/13	1110					57			0.8
94/05/11	1500					2			4.8
94/06/15	1330					5			1.2
94/07/13	1445					4			0.6
94/08/10	1140					11			0.6
94/09/14	1320					2			0.6

47A070 0747A070 12452500 541019
CHELAN RIVER AT CHELAN
47 50 23.0 120 01 11.0 2F 0 Elev= 0 ft
53007 Washington Chelan Co. PACIFIC NORTHWEST
UPPER COLUMBIA (Chelan-47) 130547
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 21-47-101 Class= LC Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1310001 004400
MILES 0503.30 0004.80 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	310 BOD 5 DAY MG/L
93/10/13	1030		426018	15.9	735	1630			45	9.6	99.7	
93/11/09	1020		466018	11.5	740	1990			46	10.1	94.7	
93/12/15	1035		516018	7.2	737	1970			45	10.7	91.2	
94/01/11	1020		26018	5.0	738	2110			56	11.8	95.0	
94/02/16	1030		76018	5.1	732	2130			51	11.9	96.9	
94/03/16	1100		116018	6.2	726	2200			49	11.7	98.7	
94/04/13	1020		156018	10.5	737				51	10.0	92.1	
94/05/11	1415		196018	17.0	732	1170			50	9.7	103.6	
94/06/15	1250		246018	17.8	732				49	9.0	97.7	
94/07/13	1330		286018	21.7	729	1800			49	8.8	103.4	
94/08/10	1015		326018	22.1	734	1200			50	9.2	108.1	
94/09/14	1250		376018	18.2	732	1270			53	9.1	99.6	

DATE FROM TO	TIME	DEPTH FEET	340 COD HI LEVEL MG/L	400 PH SU	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	602 DISS. NITROGEN MG/L N	605 ORG N N MG/L	610 NH3+NH4- N TOTAL MG/L
93/10/13	1030			8.00				1.0	0.08			0.011
93/11/09	1020			7.90				1.0	0.09			0.013
93/12/15	1035			7.70				2.0	0.08			0.010K
94/01/11	1020			8.10				2.0	0.10			0.010K
94/02/16	1030			8.60				1.0	0.10			0.010K
94/03/16	1100			7.90				2.0	0.14			0.010K
94/04/13	1020			8.10				5.0	0.06			0.010K
94/05/11	1415			8.00				1.0	0.09			0.014
94/06/15	1250			8.00				2.0	0.05			0.010K
94/07/13	1330			8.20				1.0K	0.06			0.010K
94/08/10	1015			8.10				1.0K	0.06			0.010K
94/09/14	1250			8.10				1.0K	0.03			0.010K

DATE FROM TO	TIME	DEPTH FEET	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L
93/10/13	1030						0.010K		0.010K	0.010K		
93/11/09	1020						0.015		0.010K	0.010K		
93/12/15	1035						0.030		0.010K	0.010K		
94/01/11	1020						0.038		0.010K	0.010K		
94/02/16	1030						0.048		0.010K	0.010K		
94/03/16	1100						0.054		0.010K	0.010K		
94/04/13	1020						0.017			0.010K		
94/05/11	1415						0.041		0.010K	0.010K		
94/06/15	1250						0.028		0.010K	0.010K		
94/07/13	1330						0.010K		0.010K	0.010K		
94/08/10	1015						0.010K		0.010K	0.010K		
94/09/14	1250						0.010K		0.010K	0.010K		

DATE FROM TO	TIME	DEPTH FEET	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1020 BORON B,DISS UG/L	1030 CHROMIUM CR,DISS UG/L

DATE FROM TO	TIME	DEPTH FEET	1040 COPPER CU,DISS UG/L	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L	1090 ZINC ZN,DISS UG/L	31501 TOT COLI MFIMENDO /100ML	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML	32211 CHLRPHYL A UG/L CORRECTD	32218 PHEOPHTN A UG/L
93/10/13	1030									1		
93/11/09	1020									1K		
93/12/15	1035									1		
94/01/11	1020									1K		
94/02/16	1030									1K		
94/03/16	1100									1K		
94/04/13	1020									54		
94/05/11	1415									1K		
94/06/15	1250									1K		
94/07/13	1330									1U		
94/08/10	1015									2		
94/09/14	1250									1		

DATE FROM TO	TIME	DEPTH FEET	32219 PHEOPHTN RATIO SPECTRO	70300 RESIDUE DISS-180 C MG/L	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
93/10/13	1030					0.3
93/11/09	1020					0.7
93/12/15	1035					0.4

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	32219 PHEOPHTN RATIO SPECTRO	70300 RESIDUE DISS-180 C MG/L	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
94/01/11	1020					0.6
94/02/16	1030					0.5
94/03/16	1100					0.6
94/04/13	1020					2.2
94/05/11	1415					7.6
94/06/15	1250					1.3
94/07/13	1330					0.5K
94/08/10	1015					0.5K
94/09/14	1250					0.5K

48A070 4748A070 12449954 541020
METHOW RIVER NEAR PATEROS
48 04 29.0 119 57 20.0 2F 0 Elev= 0 ft
53047 Washington Okanogan Co. PACIFIC NORTHWEST
UPPER COLUMBIA (Methow-48) 130548
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 22-48-01 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1310001 004810
MILES 0523.90 0005.00 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	310 BOD 5 DAY MG/L
93/10/13	0935		426017	11.2	741	393			160	10.7	99.6	
93/11/09	0930		466017	2.0	747	359			158	13.6	100.0	
93/12/15	0935		516017	1.7	743	307			159	13.2	96.8	
94/01/11	0940		26017	0.1	744	281			206	14.3	100.2	
94/02/16	0940		76017	3.3	737	274			180	13.0	100.4	
94/03/16	1020		116017	6.8	732	330			172	11.7	99.5	
94/04/13	0945		156017	7.8	739	955			131	11.3	97.4	
94/05/11	1330		196017	7.3	737	6400			59	11.4	97.4	
94/06/15	1150		246017	10.7	737	2070			86	10.6	98.1	
94/07/13	1300		286017	18.7	734	770			125	9.2	101.3	
94/08/10	0920		326017	17.0	740	411			169	10.2	107.6	
94/09/14	1200		376017	13.8	737	263			188	10.5	104.2	

DATE FROM TO	TIME	DEPTH FEET	400 PH SU	405 CO2 MG/L	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L
93/10/13	0935		8.20					2.0	0.23	0.010K		
93/11/09	0930		8.10					1.0	0.25	0.010K		
93/12/15	0935		8.30					1.0	0.28	0.010K		
94/01/11	0940		8.00					1.0	0.28	0.010K		
94/02/16	0940		8.20					2.0	0.31	0.010K		
94/03/16	1020		8.20					3.0	0.27	0.015		
94/04/13	0945		8.20					4.0	0.12	0.010K		
94/05/11	1330		7.90					19.0	0.12	0.010K		
94/06/15	1150		8.40					11.0	0.06	0.010K		
94/07/13	1300		8.60					1.0	0.11	0.010K		
94/08/10	0920		8.40					2.0	0.20	0.010K		
94/09/14	1200		8.30					2.0	0.29	0.010K		

DATE FROM TO	TIME	DEPTH FEET	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L
93/10/13	0935				0.173		0.010K	0.010K				
93/11/09	0930				0.202		0.010K	0.010K				
93/12/15	0935				0.239		0.010K	0.010K				
94/01/11	0940				0.245		0.010K	0.010K				
94/02/16	0940				0.236		0.010K	0.010K				
94/03/16	1020				0.144		0.010K	0.010K				
94/04/13	0945				0.064		0.010	0.010K				
94/05/11	1330				0.033		0.021	0.010K				
94/06/15	1150				0.046		0.010K	0.010K				
94/07/13	1300				0.068		0.010K	0.010K				
94/08/10	0920				0.160		0.010K	0.010K				
94/09/14	1200				0.247		0.017	0.010K				

DATE FROM TO	TIME	DEPTH FEET	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1000 ARSENIC AS,DISS UG/L	1005 BARIUM BA,DISS UG/L	1020 BORON B,DISS UG/L	1025 CADMIUM CD,DISS UG/L

DATE FROM TO	TIME	DEPTH FEET	1030 CHROMIUM CR,DISS UG/L	1040 COPPER CU,DISS UG/L	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L	1075 SILVER AG,DISS UG/L	1090 ZINC ZN,DISS UG/L	1145 SELENIUM SE,DISS UG/L	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML
93/10/13	0935											3
93/11/09	0930											1
93/12/15	0935											1
94/01/11	0940											1K
94/02/16	0940											1K
94/03/16	1020											1K
94/04/13	0945											1K
94/05/11	1330											13
94/06/15	1150											3
94/07/13	1300											4
94/08/10	0920											19
94/09/14	1200											2

DATE FROM TO	TIME	DEPTH FEET	70300 RESIDUE DISS-180 C MG/L	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
93/10/13	0935				0.4
93/11/09	0930				0.5
93/12/15	0935				0.4

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	70300 RESIDUE DISS-180 C MG/L	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
94/01/11	0940				0.5
94/02/16	0940				0.6
94/03/16	1020				0.9
94/04/13	0945				1.1
94/05/11	1330				0.6
94/06/15	1150				5.7
94/07/13	1300				0.6
94/08/10	0920				0.6
94/09/14	1200				0.5

49A070 4749A070 12447200
OKANOGAN RIVER AT MALOTT
48 16 53.0 119 42 12.0 2F 0 Elev= 0 ft
53047 Washington Okanogan Co. PACIFIC NORTHWEST
UPPER COLUMBIA (Okanogan-49) 130549
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 22-49-02 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1310001 004930
MILES 0533.50 0017.00 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	310 BOD 5 DAY MG/L	400 PH SU
93/10/13	0840		426016	12.5	744	1080		253	9.7	92.6		8.10
93/11/09	0830		466016	2.8	748	1300		214	12.5	93.8		8.40
93/12/15	0845		516016	2.2	746	1170		238	12.2	90.3		8.40
94/01/11	0850		26016	1.7	746	1560		315	13.0	95.1		7.80
94/02/16	0850		76016	2.5	739	933		242	12.7	95.7		7.70
94/03/16	0930		116016	6.9	734	1890		258	11.1	94.3		8.10
94/04/13	0900		156016	9.3	744	3110		213	10.2	90.5		8.00
94/05/11	1245		196016	10.2	747	10400		91	10.5	94.8		8.00
94/06/15	1100		246016	14.2	737	3690		127	9.5	95.0		7.90
94/07/13	1200		286016	22.3	737	1840		203	8.1	95.3		8.20
94/08/10	0830		326016	21.6	743	633		291	7.7	88.7		8.30
94/09/14	1110		376016	16.8	739	1140		283	9.1	95.8		8.40

DATE FROM TO	TIME	DEPTH FEET	405 CO2 MG/L	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	605 ORG N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L
93/10/13	0840						5.0	0.19		0.010K		
93/11/09	0830						3.0	0.16		0.010K		
93/12/15	0845						2.0	0.21		0.010K		
94/01/11	0850						5.0	0.23		0.010K		
94/02/16	0850						3.0	0.26		0.010K		
94/03/16	0930						14.0	0.22		0.010K		
94/04/13	0900						28.0	0.12		0.010K		
94/05/11	1245						124.0	0.14		0.012		
94/06/15	1100						18.0	0.04		0.010K		
94/07/13	1200						8.0	0.11		0.010K		
94/08/10	0830						4.0	0.17		0.010K		
94/09/14	1110						6.0	0.14		0.010K		

DATE FROM TO	TIME	DEPTH FEET	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	680 T ORG C C MG/L	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L P	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	680 T ORG C C MG/L	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L
93/10/13	0840				0.031		0.013	0.010K				
93/11/09	0830				0.032		0.012	0.010K				
93/12/15	0845				0.070		0.019	0.010K				
94/01/11	0850				0.043		0.016	0.010K				
94/02/16	0850				0.104		0.012	0.010K				
94/03/16	0930				0.010K		0.072	0.010K				
94/04/13	0900				0.010K		0.036	0.010K				
94/05/11	1245				0.019		0.068	0.010K				
94/06/15	1100				0.010K		0.010K	0.010K				
94/07/13	1200				0.010K		0.019	0.010K				
94/08/10	0830				0.010K		0.010K	0.010K				
94/09/14	1110				0.010		0.015	0.010K				

DATE FROM TO	TIME	DEPTH FEET	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1000 ARSENIC AS,DISS UG/L	1005 BARIUM BA,DISS UG/L	1020 BORON B,DISS UG/L

DATE FROM TO	TIME	DEPTH FEET	1025 CADMIUM CD,DISS UG/L	1030 CHROMIUM CR,DISS UG/L	1034 CHROMIUM CR,TOT UG/L	1040 COPPER CU,DISS UG/L	1042 COPPER CU,TOT UG/L	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L	1065 NICKEL NI,DISS UG/L	1075 SILVER AG,DISS UG/L	1090 ZINC ZN,DISS UG/L

DATE FROM TO	TIME	DEPTH FEET	1092 ZINC ZN,TOT UG/L	1145 SELENIUM SE,DISS UG/L	31501 TOT COLI MFIMENDO /100ML	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML	31507 TOT COLI MPN COMP /100ML	31616 FEC COLI MFM-FCBR /100ML	31625 FEC COLI M-FCAGAD /100 ML	70300 RESIDUE DISS-180 C MG/L	71851 NITRATE DISS-NO3 MG/L
93/10/13	0840								45			
93/11/09	0830								8			
93/12/15	0845								11			
94/01/11	0850								24			
94/02/16	0850								1			
94/03/16	0930								5			
94/04/13	0900								15			
94/05/11	1245								70			
94/06/15	1100								18			
94/07/13	1200								21			
94/08/10	0830								63			
94/09/14	1110								19			

DATE FROM TO	TIME	DEPTH FEET	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
93/10/13	0840			1.0
93/11/09	0830			0.9
93/12/15	0845			1.1
94/01/11	0850			1.4
94/02/16	0850			1.1
94/03/16	0930			3.7
94/04/13	0900			7.6
94/05/11	1245			45.0
94/06/15	1100			6.6
94/07/13	1200			3.4
94/08/10	0830			1.7
94/09/14	1110			3.2

49B070 4749B070 12443600 541022
SIMILKAMEEN RIVER AT OROVILLE
48 56 05.0 119 26 27.0 2F 0 Elev= 0 ft
53047 Washington Okanogan Co. PACIFIC NORTHWEST
UPPER COLUMBIA (Okanogan-49) 130549
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 22-49-02 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1310001 004930 00590
MILES 0533.50 0074.10 005.00 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU
93/10/13	0705		426015	11.6	742	565			178	10.5	98.5	7.90
93/11/09	0700		466015	2.1	747	1550			162	13.5	99.6	8.20
93/12/15	0725		516015	2.3	744	680			175	13.0	96.8	8.30
94/01/11	0730		26015	2.2	744	510			253	13.7	101.7	7.60
94/02/16	0740		76015	3.1	735	574			213	12.9	99.3	8.40
94/03/16	0730		116015	7.0	732	1100			181	11.5	98.3	8.30
94/04/13	0720		156015	7.9	742	2220			148	11.4	98.2	8.60
94/05/11	0800		196015	2.6	742	9580			80	12.4	93.3	8.40
94/06/15	0840		246015	11.7	737	3400			102	10.9	103.2	8.50
94/07/13	0630		286015	18.8	724	1290			146	9.9	110.8	8.30
94/08/10	0645		326015	19.3	742	550			199	9.5	104.7	8.30
94/09/14	0700		376015	13.9	737	870			209	9.6	95.4	8.30

DATE FROM TO	TIME	DEPTH FEET	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L
93/10/13	0705				2.0	0.07	0.010K				0.010K	
93/11/09	0700				1.0	0.08	0.010K				0.010K	
93/12/15	0725				2.0	0.10	0.010K				0.028	
94/01/11	0730				2.0	0.10	0.010K				0.019	
94/02/16	0740				3.0	0.12	0.010K				0.018	
94/03/16	0730				7.0	0.10	0.010K				0.010K	
94/04/13	0720				12.0	0.07	0.010K				0.010K	
94/05/11	0800				102.0	0.12	0.010K				0.013	
94/06/15	0840				11.0	0.04	0.010K				0.010K	
94/07/13	0630				3.0	0.07	0.010K				0.010K	
94/08/10	0645				12.0	0.08	0.010K				0.010K	
94/09/14	0700				2.0	0.05	0.010K				0.010K	

DATE FROM TO	TIME	DEPTH FEET	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L
93/10/13	0705		0.010K	0.010K								
93/11/09	0700		0.010K	0.010K								
93/12/15	0725		0.010K	0.010K								
94/01/11	0730		0.010	0.010K								
94/02/16	0740		0.010K	0.010K								
94/03/16	0730		0.010K	0.010K								
94/04/13	0720		0.019	0.010K								
94/05/11	0800		0.047	0.011								
94/06/15	0840		0.010K	0.010K								
94/07/13	0630		0.010	0.010K								
94/08/10	0645		0.012	0.010K								
94/09/14	0700		0.012	0.010K								

DATE FROM TO	TIME	DEPTH FEET	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1020 BORON B,DISS UG/L	1030 CHROMIUM CR,DISS UG/L	1040 COPPER CU,DISS UG/L	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L	1090 ZINC ZN,DISS UG/L	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML

DATE FROM TO	TIME	DEPTH FEET	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
93/10/13	0705		2			0.9
93/11/09	0700		1			1.1
93/12/15	0725		1K			1.3
94/01/11	0730		2			1.0
94/02/16	0740		1K			1.3
94/03/16	0730		2			2.2
94/04/13	0720		4			5.7
94/05/11	0800		25			34.0
94/06/15	0840		11			4.1
94/07/13	0630					1.6
94/08/10	0645		37			9.9
94/09/14	0700		3			1.2

54A050 6554A050
SPOKANE RIVER AT MOUTH
47 54 30.0 118 19 00.0 2F000 Elev= 0 ft
53065 Washington Stevens Co. PACIFIC NORTHWEST
SPOKANE (Lower Spokane-54) 130354
21540000 Reach=17010307000 0.000 Drg= 0 sqmi
AMBNT/STREAM/RMP

INDEX 1310001 006500
MILES 0638.90 0001.70 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L
93/10/06	1515		416168	17.4	724	130	8.3	90.3	8.00	2.0	0.30	0.010K
93/11/03	1400		456168	13.9	724	144	8.1	81.9	7.90	2.0	0.45	0.010K
93/12/08	1245		506168	6.7	711	162	10.0	87.3	7.90	1.0K	0.62	0.019
94/01/05	1420		16168	3.9	724	152	11.7	93.4	7.70	2.0	0.36	0.021
94/02/09	1230		66168	2.8	725	203J	12.0	92.9	7.80	1.0	0.70	0.028
94/03/09	1345		106168	2.5J	729	152	12.6	96.3	7.90	4.0	0.76	0.015
94/04/06	1415		146168	7.0	719	146	12.8	111.3	8.40	3.0	0.65	0.010K
94/05/04	1355		186168	11.2	728	93	12.9	122.3	8.70	3.0	0.28	0.010K
94/06/08	1610		236168	16.7	730	98	9.8	104.3	8.40	1.0	0.24	0.016
94/07/07	1500		276168	21.7	723	120	8.9	105.4	7.90	1.0	0.35	0.037
94/08/03	1335		316168	25.3	719	113	8.7	110.7	8.40	1.0K	0.32	0.010K
94/09/07	1400		366168	21.3	722	137	9.0	106.0	8.50	1.0	0.25	0.010K

DATE FROM TO	TIME	DEPTH FEET	613 NO2-N DISS MG/L	630 NO2+NO3 N-TOTAL MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	1094 ZINC TOT REC UG/L	1113 CADMIUM TOT REC UG/L	1114 LEAD TOT REC UG/L	1118 CHROMIUM TOT REC UG/L	1119 COPPER TOT REC UG/L
93/10/06	1515			0.229	0.010K	0.010K						
93/11/03	1400			0.372	0.013	0.010K						
93/12/08	1245			0.511	0.017	0.010K						
94/01/05	1420			0.307	0.018	0.010K						
94/02/09	1230			0.609	0.035	0.024						
94/03/09	1345			0.541	0.036	0.020						
94/04/06	1415			0.505	0.027	0.011						
94/05/04	1355			0.184	0.010	0.010K						
94/06/08	1610			0.177	0.010K	0.010K						
94/07/07	1500			0.265	0.010K	0.010K						
94/08/03	1335			0.242	0.010K	0.010K						
94/09/07	1400			0.139	0.010K	0.010K						

DATE FROM TO	TIME	DEPTH FEET	31616 FEC COLI MFM-FCBR /100ML	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	31616 FEC COLI MFM-FCBR /100ML	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
93/10/06	1515		1K		0.9
93/11/03	1400		1K		1.2
93/12/08	1245		1K		1.1
94/01/05	1420		1K		1.0
94/02/09	1230		1K		1.1
94/03/09	1345		1K		1.1
94/04/06	1415		1K		1.6
94/05/04	1355		1K		1.5
94/06/08	1610		1K		0.6
94/07/07	1500		1U		1.4
94/08/03	1335		1K		0.5K
94/09/07	1400		1K		0.6

54A120 6554A120 12424200 543108
SPOKANE R AT RIVERSIDE STATE PK
47 41 48.0 117 29 48.0 2F 0 Elev= 0 ft
53063 Washington Spokane Co. PACIFIC NORTHWEST
SPOKANE (Lower Spokane-54) 130354
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 24-54-01 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1310001 006500
MILES 0643.00 0066.00 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	310 BOD 5 DAY MG/L	340 COD HI LEVEL MG/L
93/10/05	1420		416162	14.2	713	2340		126	9.8	101.3		
93/11/02	1415		456162	9.8	723	1960		143	11.2	103.5		
93/12/07	1420		506162	5.0	710	2370		131	11.8	98.8		
94/01/04	1420		16162	5.6	708	2700		126	11.7	99.7		
94/02/08	1420		66162	2.6	721	2610		134J	12.7	98.3		
94/03/08	1420		106162	2.6J	725	4330		92	13.0	100.1		
94/04/05	1425		146162	4.6	716	6610		79	12.9	106.0		
94/05/03	1435		186162	9.2	718	7300		82	11.7	107.4		
94/06/07	1520		236162	15.6	720	3970		96	10.1	106.5		
94/07/06	1530		276162	16.7	720	1270		194	9.7	104.7		
94/08/02	1520		316162	18.2	710	685		218	9.8	110.6		
94/09/06	1450		366162	14.7	716	585		285	10.5	109.4		

DATE FROM TO	TIME	DEPTH FEET	400 PH SU	405 CO2 MG/L	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	500 RESIDUE TOTAL MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	605 ORG N N MG/L	610 NH3+NH4- N TOTAL MG/L
93/10/05	1420		8.40						2.0	0.61		0.013
93/11/02	1415		8.30						1.0	0.93		0.091
93/12/07	1420		7.60						1.0K	0.87		0.104
94/01/04	1420		7.90						4.0	0.75		0.189
94/02/08	1420		8.40						1.0	0.84		0.010K
94/03/08	1420		8.30						3.0	0.57		0.044
94/04/05	1425		8.00						2.0	0.39		0.021
94/05/03	1435		8.20						2.0	0.29		0.016
94/06/07	1520		7.70						3.0	0.47		0.021
94/07/06	1530		8.10						1.0	1.29		0.019
94/08/02	1520		8.10						2.0	1.56		0.010K
94/09/06	1450		8.30						2.0	1.39		0.011

DATE FROM TO	TIME	DEPTH FEET	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	680 T ORG C C MG/L	900 TOT HARD CACO3 MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	680 T ORG C C MG/L	900 TOT HARD CACO3 MG/L
93/10/05	1420						0.543		0.010K	0.010K		
93/11/02	1415						0.721		0.059	0.047		
93/12/07	1420						0.601		0.079	0.069		
94/01/04	1420						0.502		0.076	0.065		
94/02/08	1420						0.689		0.070	0.060		
94/03/08	1420						0.375		0.048	0.037		
94/04/05	1425						0.266		0.029	0.022		
94/05/03	1435						0.259		0.010K	0.010K		
94/06/07	1520						0.374		0.011	0.017		
94/07/06	1530						1.450		0.010K	0.010K		
94/08/02	1520						1.530		0.025	0.011		
94/09/06	1450						1.390		0.027	0.019		

DATE FROM TO	TIME	DEPTH FEET	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	1000 ARSENIC AS,DISS UG/L	1002 ARSENIC AS,TOT UG/L	1005 BARIUM BA,DISS UG/L

DATE FROM TO	TIME	DEPTH FEET	1025 CADMIUM CD,DISS UG/L	1027 CADMIUM CD,TOT UG/L	1030 CHROMIUM CR,DISS UG/L	1034 CHROMIUM CR,TOT UG/L	1040 COPPER CU,DISS UG/L	1042 COPPER CU,TOT UG/L	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L	1051 LEAD PB,TOT UG/L	1065 NICKEL NI,DISS UG/L

DATE FROM TO	TIME	DEPTH FEET	1075 SILVER AG,DISS UG/L	1080 STRONTUM SR,DISS UG/L	1090 ZINC ZN,DISS UG/L	1092 ZINC ZN,TOT UG/L	1094 ZINC TOT REC UG/L	1105 ALUMINUM AL,TOT UG/L	1113 CADMIUM TOT REC UG/L	1114 LEAD TOT REC UG/L	1118 CHROMIUM TOT REC UG/L	1119 COPPER TOT REC UG/L

DATE FROM TO	TIME	DEPTH FEET	1130 LITHIUM LI,DISS UG/L	1145 SELENIUM SE,DISS UG/L	31504 TOT COLI MFIM LES /100ML	31616 FEC COLI MFM-FCBR /100ML	31625 FEC COLI M-FCAGAD /100 ML	70300 RESIDUE DISS-180 C MG/L	71900 MERCURY HG,TOTAL UG/L	71901 MERCURY TOT REC UG/L	82079 TURBIDTY LAB NTU
93/10/05	1420					120					0.9
93/11/02	1415					270					0.8
93/12/07	1420					6					1.0
94/01/04	1420					29					3.5
94/02/08	1420					96X					0.9
94/03/08	1420					69					2.4
94/04/05	1425					200J					1.2
94/05/03	1435					33					0.9

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	1130 LITHIUM LI,DISS UG/L	1145 SELENIUM SE,DISS UG/L	31504 TOT COLI MFIM LES /100ML	31616 FEC COLI MFM-FCBR /100ML	31625 FEC COLI M-FCAGAD /100 ML	70300 RESIDUE DISS-180 C MG/L	71900 MERCURY HG,TOTAL UG/L	71901 MERCURY TOT REC UG/L	82079 TURBIDTY LAB NTU
94/06/07	1520					210J					1.3
94/07/06	1530					3					0.6
94/08/02	1520					24					0.8
94/09/06	1450					38S					0.7

55B070 6355B070 12431900
LITTLE SPOKANE RIVER NEAR MOUTH
47 47 00.0 117 31 43.0 2F 0 Elev= 0 ft
53063 Washington Spokane Co. PACIFIC NORTHWEST
SPOKANE (Little Spokane-55) 130355
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 24-55-02 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1310001 006500 00510
MILES 0643.00 0056.30 001.10 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	310 BOD 5 DAY MG/L	340 COD HI LEVEL MG/L
93/10/05	1350		416161	10.9	717			263	9.4	89.9		
93/11/02	1345		456161	8.5	728			257	10.4	92.7		
93/12/07	1340		506161	5.5	714			257	10.1	85.3		
94/01/04	1400		16161	6.8	712			239	9.8	85.7		
94/02/08	1345		66161	4.6	725			278J	10.8	87.6		
94/03/08	1350		106161	5.7J	728			248	10.6	88.1		
94/04/05	1355		146161	8.3	720			231	10.1	90.5		
94/05/03	1410		186161	11.2	721			230	10.0	95.7		
94/06/07	1450		236161	12.7	723			248	10.0	98.7		
94/07/06	1450		276161	14.8	724			266	9.4	97.0		
94/08/02	1445		316161	15.7	714			233	9.9	105.6		
94/09/06	1420		366161	13.5	719			282	10.1	102.0		

DATE FROM TO	TIME	DEPTH FEET	400 PH SU	405 CO2 MG/L	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L
93/10/05	1350		8.30					7.0	1.26	0.010K		
93/11/02	1345		8.10					3.0	1.31	0.010K		
93/12/07	1340		8.20					8.0	1.40	0.016		
94/01/04	1400		8.00					26.0	1.47	0.041		
94/02/08	1345		8.40					7.0	1.18	0.013		
94/03/08	1350		8.10					13.0	1.13	0.028		
94/04/05	1355		8.30					13.0	1.08	0.010		
94/05/03	1410		8.40					8.0	0.96	0.010K		
94/06/07	1450		8.30					7.0	1.08	0.023		
94/07/06	1450		8.10					5.0	1.05	0.012		
94/08/02	1445		8.10					3.0	1.19	0.010K		
94/09/06	1420		8.40					3.0	1.10	0.010K		

DATE FROM TO	TIME	DEPTH FEET	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	680 T ORG C C MG/L	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	680 T ORG C C MG/L	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L
93/10/05	1350				1.200		0.010K	0.010K				
93/11/02	1345				1.310		0.010	0.010K				
93/12/07	1340				1.250		0.038	0.023				
94/01/04	1400				1.120		0.050	0.029				
94/02/08	1345				1.340		0.020	0.013				
94/03/08	1350				1.130		0.026	0.016				
94/04/05	1355				0.970		0.021	0.012				
94/05/03	1410				0.906		0.015	0.010				
94/06/07	1450				1.020		0.010K	0.010K				
94/07/06	1450				1.250		0.010K	0.010K				
94/08/02	1445				1.230		0.010K	0.010K				
94/09/06	1420				1.140		0.010K	0.010				

DATE FROM TO	TIME	DEPTH FEET	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	1000 ARSENIC AS,DISS UG/L	1002 ARSENIC AS,TOT UG/L	1005 BARIUM BA,DISS UG/L	1025 CADMIUM CD,DISS UG/L	1027 CADMIUM CD,TOT UG/L

DATE FROM TO	TIME	DEPTH FEET	1030 CHROMIUM CR,DISS UG/L	1034 CHROMIUM CR,TOT UG/L	1040 COPPER CU,DISS UG/L	1042 COPPER CU,TOT UG/L	1049 LEAD PB,DISS UG/L	1051 LEAD PB,TOT UG/L	1065 NICKEL NI,DISS UG/L	1075 SILVER AG,DISS UG/L	1090 ZINC ZN,DISS UG/L	1092 ZINC ZN,TOT UG/L

DATE FROM TO	TIME	DEPTH FEET	1094 ZINC TOT REC UG/L	1113 CADMIUM TOT REC UG/L	1114 LEAD TOT REC UG/L	1118 CHROMIUM TOT REC UG/L	1119 COPPER TOT REC UG/L	1145 SELENIUM SE,DISS UG/L	31504 TOT COLI MFIM LES /100ML	31616 FEC COLI MFM-FCBR /100ML	71900 MERCURY HG,TOTAL UG/L	71901 MERCURY TOT REC UG/L
93/10/05	1350									27		
93/11/02	1345									25		
93/12/07	1340									34S		
94/01/04	1400									92S		
94/02/08	1345									5		
94/03/08	1350									11		
94/04/05	1355									21		
94/05/03	1410									9		
94/06/07	1450									36		
94/07/06	1450									5		
94/08/02	1445									30		
94/09/06	1420									27		

DATE FROM TO	TIME	DEPTH FEET	82079 TURBIDTY LAB NTU

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	82079 TURBIDTY LAB NTU
93/10/05	1350		1.4
93/11/02	1345		1.6
93/12/07	1340		3.6
94/01/04	1400		13.0
94/02/08	1345		2.4
94/03/08	1350		4.7
94/04/05	1355		3.6
94/05/03	1410		2.4
94/06/07	1450		1.6
94/07/06	1450		1.7
94/08/02	1445		0.9
94/09/06	1420		1.2

55B100 6355B100
LITTLE SPOKANE RIVER ABOVE PEONE CREEK
47 47 54.0 117 22 54.0 2F000 Elev= 0 ft
53063 Washington Spokane Co. PACIFIC NORTHWEST
SPOKANE (Little Spokane-55) 130355
21540000 Reach=17010308000 0.000 Drg= 0 sqmi
TYPEA/AMBNT/STREAM

INDEX 1310001 006500 00510
MILES 0643.00 0056.30 013.50 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L
93/10/05	1310		416160	10.6	717	233	11.0	104.6	8.40	2.0	1.03	0.010K
93/11/02	1305		456160	5.6	726	225	12.6	104.8	8.10	1.0	1.19	0.010K
93/12/07	1255		506160	0.6	713	224	12.7	94.2	8.00	3.0	1.34	0.015
94/01/04	1310		16160	3.3	710	212	11.9	95.3	8.10	10.0	1.24	0.053
94/02/08	1310		66160	0.0	724	253J	13.4	96.2	8.40	8.0	1.34	0.020
94/03/08	1300		106160	2.2J	726	203	12.8	97.4	8.20	6.0	1.02	0.020
94/04/05	1320		146160	7.3	719	188	10.9	95.4	8.20	16.0	0.88	0.017
94/05/03	1335		186160	12.0	720	183	10.9	106.4	8.40	7.0	0.63	0.010K
94/06/07	1405		236160	14.4	722	206	10.9	111.8	8.40	4.0	0.84	0.010K
94/07/06	1415		276160	18.0	723	230	11.3	124.8	8.50	2.0	0.81	0.012
94/08/02	1400		316160	21.8	713	221	11.0	132.6	8.40	3.0	0.94	0.010K
94/09/06	1350		366160	15.6	718	266	11.3	119.5	8.40	2.0	0.85	0.011

DATE FROM TO	TIME	DEPTH FEET	613 NO2-N DISS MG/L	630 NO2+NO3 N-TOTAL MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	31616 FEC COLI MFM-FCBR /100ML	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
93/10/05	1310			0.915	0.011	0.010K		40		0.6
93/11/02	1305			1.060	0.011	0.010K		18		0.9
93/12/07	1255			1.110	0.052	0.034		22S		2.0
94/01/04	1310			1.040	0.060	0.041		130S		3.5
94/02/08	1310			1.230	0.031	0.017		2		3.0
94/03/08	1300			0.845	0.038	0.019		2		4.2
94/04/05	1320			0.678	0.034	0.018		38		4.9
94/05/03	1335			0.565	0.028	0.015		8		2.5
94/06/07	1405			0.698	0.019	0.013		190J		1.7
94/07/06	1415			0.793	0.010K	0.010K		17		0.9
94/08/02	1400			0.796	0.018	0.010K		84		0.9
94/09/06	1350			0.792	0.099	0.010K		100		0.5

55B200 6355B200
Little Spokane @ Chattaroy
47 53 22.0 117 21 19.0 2F000 Elev= 0 ft
53063 Washington Spokane Co. PACIFIC NORTHWEST
Columbia River below Yakima River 131055
21540000 Reach=17010308010 0.000 Drg= 0 sqmi
AMBNT/STREAM

INDEX 1310001 006500 00513
MILES 0643.00 0056.30 023.10 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L
93/10/05	1130		416157	10.9	716	189	9.4	90.0	8.00	2.0	0.40	0.010K
93/11/02	1210		456157	5.5	724	182	12.0	99.8	8.00	1.0	0.47	0.010K
93/12/07	1155		506157	0.7	711	182	12.5	93.2	7.50	4.0	0.64	0.013
94/01/04	1210		16457	2.8	710	170	11.7	92.5	7.60	12.0	0.79	0.059
94/02/08	1210		66157	0.0	722	201J	12.7	91.5	8.10	6.0	0.76	0.019
94/03/08	1210		106157	2.5J	724	172	12.3	94.6	8.10	5.0	0.53	0.028
94/04/05	1225		146157	7.8	717	148	10.5	93.4	8.10	9.0	0.43	0.018
94/05/03	1240		186157	12.6	719	146	10.5	104.0	8.40	4.0	0.33	0.010K
94/06/07	1310		236157	14.5	720	158	10.4	107.2	8.40	3.0	0.30	0.010K
94/07/06	1310		276157	18.1	721	173	10.3	114.2	8.30	2.0	0.19	0.010K
94/08/02	1300		316157	22.0	712	160	10.3	124.7	8.40	2.0	0.25	0.023
94/09/06	1245		366157	15.8	718	209	10.5	111.6	8.40	2.0	0.22	0.010K

DATE FROM TO	TIME	DEPTH FEET	630 NO2+NO3 N-TOTAL MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	31616 FEC COLI MFM-FCBR /100ML	82079 TURBIDTY LAB NTU
93/10/05	1130		0.248	0.010K	0.010K	6	0.6
93/11/02	1210		0.338	0.010K	0.010K	4	0.7
93/12/07	1155		0.434	0.026	0.010	9	1.3
94/01/04	1210		0.435	0.040	0.020	230J	6.8
94/02/08	1210		0.474	0.024	0.010	4	2.0
94/03/08	1210		0.324	0.020	0.010K	1	1.7
94/04/05	1225		0.199	0.021	0.010K	12	2.9
94/05/03	1240		0.136	0.018	0.010K	6	1.6
94/06/07	1310		0.170	0.037	0.010K	51	1.1
94/07/06	1310		0.098	0.010K	0.010K	33	0.7
94/08/02	1300		0.089	0.012	0.010K	130J	1.0
94/09/06	1245		0.116	0.010K	0.010K	23	0.5K

55C065 6355C065
Deadman Cr nr Mouth
47 47 44.0 117 22 51.0 2F000 Elev= 0 ft
53063 Washington Spokane Co. PACIFIC NORTHWEST
Columbia River below Yakima River 131055
21540000 Reach=17010308002 0.000 Drg= 0 sqmi
AMBNT/STREAM

INDEX 1310001 006500 00510 0140
MILES 0643.00 0056.30 013.10 000.13 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L
93/10/05	1245		416159	12.0	717	9J	288	9.8	96.1	8.50	2.0	1.00
93/11/02	1245		456159	9.1	726	10J	272	11.2	101.4	8.30	3.0	0.92
93/12/07	1240		506159	4.4	713	12J	250	11.7	96.2	7.90	10.0	0.88
94/01/04	1250		16159	3.4	710	46J	197	12.0	96.4	8.00	45.0	0.86
94/02/08	1250		66159	3.8	723	24J	270J	12.7	101.2	8.60	4.0	0.88
94/03/08	1245		106159	3.5J	726	45J	183	12.7	100.0	8.30	12.0	0.46
94/04/05	1300		146159	7.2	719	68J	138	11.2	97.9	8.30	25.0	0.41
94/05/03	1320		186159	11.2	720	62J	140	10.7	102.5	8.60	8.0	0.39
94/06/07	1345		236159	13.7	723	28J	179	10.3	104.0	8.20	10.0	0.48
94/07/06	1340		276159	17.1	723	17J	260	10.0	108.4	8.40	3.0	0.72
94/08/02	1345		316159	18.4	713	11J	263	9.7	109.5	8.40	3.0	1.05
94/09/06	1320		366159	15.2	719	11J	303	9.7	101.7	8.30	4.0	0.88

DATE FROM TO	TIME	DEPTH FEET	610 NH3+NH4- N TOTAL MG/L	630 NO2+NO3 N-TOTAL MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	31616 FEC COLI MFM-FCBR /100ML	82079 TURBIDTY LAB NTU
93/10/05	1245		0.010K	0.960	0.021	0.024	37	1.2
93/11/02	1245		0.010K	0.877	0.034	0.028	14	2.0
93/12/07	1240		0.013	0.740	0.057	0.035	19S	6.5
94/01/04	1250		0.046	0.533	0.032	0.051	49	48.0
94/02/08	1250		0.010K	0.764	0.039	0.027	16	2.8
94/03/08	1245		0.021	0.325	0.043	0.022	4	7.3
94/04/05	1300		0.018	0.255	0.053	0.029	27	13.0
94/05/03	1320		0.010K	0.278	0.048	0.028	12	4.2
94/06/07	1345		0.012	0.388	0.049	0.035	330J	5.9
94/07/06	1340		0.010K	0.779	0.045	0.033	88	1.9
94/08/02	1345		0.010K	0.928	0.032	0.022	88	1.2
94/09/06	1320		0.010K	0.880	0.020	0.021	500J	1.9

55E070 6355E070
Dragoon Cr nr Chattaroy
47 52 35.6 117 22 20.2 2F000 Elev= 0 ft
53063 Washington Spokane Co. PACIFIC NORTHWEST
Columbia River below Yakima River 131055
21540000 Reach=17010308024 0.000 Drg= 0 sqmi
AMBNT/STREAM

INDEX 1310001 006500 00510 0150
MILES 0643.00 0056.30 021.30 000.20 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L
93/11/02	1150		456158	4.2	725	17J	304	12.4	99.7	8.20	1.0	2.66
93/12/07	1135		506158	0.0	710		288	13.2	96.8	8.00	3.0	3.09
94/01/04	1145		16158	1.8	709	70J	235	12.4	95.6	7.90	21.0	2.78
94/02/08	1155		66158	0.0	721	36J	358J	13.7	98.7	8.20	1.0	3.82
94/03/08	1155		106158	0.6J	724	82J	228	13.2	96.5	8.10	5.0	1.76
94/04/05	1205		146158	6.4	716	76J	259	11.3	97.3	8.40	8.0	
94/05/03	1220		186158	10.3	719	63J	261	10.9	102.6	8.60	3.0	1.67
94/06/07	1250		236158	13.0	720	53J	287	10.1	100.8	8.40	5.0	1.70
94/07/06	1240		276158	16.7	722	28J	305	9.5	102.3	8.40	3.0	2.09
94/08/02	1235		316158	21.0	713	20J	263	8.8	104.5	8.50	3.0	1.86
94/09/06	1220		366158	13.6	718	14J	327	10.0	101.4	8.40	2.0	1.89

DATE FROM TO	TIME	DEPTH FEET	610 NH3+NH4- N TOTAL MG/L	630 NO2+NO3 N-TOTAL MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	31616 FEC COLI MFM-FCBR /100ML	82079 TURBIDTY LAB NTU
93/11/02	1150		0.010K	2.740	0.012	0.010K	86	0.8
93/12/07	1135		0.019	2.360	0.141	0.112	68	2.3
94/01/04	1145		0.222	1.750	0.238	0.182	2200J	8.9
94/02/08	1155		0.013	3.310	0.058	0.046	3	1.6
94/03/08	1155		0.016	1.580	0.070	0.045	1K	7.7
94/04/05	1205		0.013	1.450	0.066	0.043	60	4.4
94/05/03	1220		0.010K	1.580	0.064	0.035	7	1.5
94/06/07	1250		0.010K	2.120	0.048	0.042	200J	2.1
94/07/06	1240		0.015	2.200	0.031	0.016	160	1.3
94/08/02	1235		0.010K	1.760	0.043	0.032	140	1.3
94/09/06	1220		0.010K	1.880	0.016	0.010	40	0.8

57A150 6357A150 12419495 541026
SPOKANE RIVER AT STATELINE BR
47 41 55.0 117 02 37.0 2F 0 Elev= 0 ft
53063 Washington Spokane Co. PACIFIC NORTHWEST
SPOKANE (Middle Spokane-57) 130357
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 24-57-04 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM

INDEX 1310001 006500
MILES 0643.00 0096.00 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	310 BOD 5 DAY MG/L
93/10/05	0920		416155	15.4	708	2200			51	8.4	89.7	
93/11/02	0925		456155	10.4	718	1790			51	10.0	94.4	
93/12/07	0930		506155	4.2	700	2100			54	11.0	91.5	
94/01/04	0940		16155	4.0	704	2320			54	11.1	91.4	
94/02/08	0945		66155	0.8	710	2170			57J	12.4	92.8	
94/03/08	0940		106155	2.2J	713	4670			57	12.4	96.1	
94/04/05	1010		146155	3.4	708	7090			57	12.2	98.2	
94/05/03	0950		186155	7.8	711	5380			55	11.2	100.4	
94/06/07	1010		236155	15.4	712	3900			51	9.2	97.7	
94/07/06	0955		276155	18.6	714	697			55	8.1	91.5	
94/08/02	1020		316155	25.2	708	366			50	7.7	99.4	
94/09/06	1000		366155	18.9	711	303			65	8.6	98.2	

DATE FROM TO	TIME	DEPTH FEET	400 PH SU	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L
93/10/05	0920		7.50			3.0	0.13	0.011				
93/11/02	0925		7.60			1.0	0.16	0.017				
93/12/07	0930		7.40			1.0K	0.15	0.015				
94/01/04	0940		7.40			1.0	0.18	0.038				
94/02/08	0945		7.50			1.0	0.22	0.030				
94/03/08	0940		7.60			2.0	0.15	0.023				
94/04/05	1010		7.50			2.0	0.14	0.017				
94/05/03	0950		7.70			1.0	0.07	0.013				
94/06/07	1010		8.00			2.0	0.10	0.012				
94/07/06	0955		7.50			1.0	0.20	0.022				
94/08/02	1020		7.60			2.0	0.27	0.010K				
94/09/06	1000		8.40			2.0	0.30	0.010K				

DATE FROM TO	TIME	DEPTH FEET	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	680 T ORG C C MG/L	760 SWL PBI MG/L	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	680 T ORG C C MG/L	760 SWL PBI MG/L	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L
93/10/05	0920		0.014		0.010K	0.010K						
93/11/02	0925		0.038		0.010K	0.010K						
93/12/07	0930		0.061		0.023	0.011						
94/01/04	0940		0.073		0.020	0.013						
94/02/08	0945		0.077		0.021	0.015						
94/03/08	0940		0.065		0.010K	0.010K						
94/04/05	1010		0.030		0.010K	0.010K						
94/05/03	0950		0.017		0.010K	0.010K			24			
94/06/07	1010		0.013		0.010K	0.010K						
94/07/06	0955		0.111		0.010K	0.010K			23			
94/08/02	1020		0.137		0.012	0.010K						
94/09/06	1000		0.200		0.017	0.010K						

DATE FROM TO	TIME	DEPTH FEET	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	978 ARSENIC TOT REC UG/L	1020 BORON B,DISS UG/L	1025 CADMIUM CD,DISS UG/L	1030 CHROMIUM CR,DISS UG/L
94/05/03	0950								30.0U		0.30P	
94/07/06	0955								30.0U		0.15P	
94/09/06	1000								30.0U		0.04U	

DATE FROM TO	TIME	DEPTH FEET	1040 COPPER CU,DISS UG/L	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L	1065 NICKEL NI,DISS UG/L	1080 STRONTUM SR,DISS UG/L	1090 ZINC ZN,DISS UG/L	1094 ZINC TOT REC UG/L	1113 CADMIUM TOT REC UG/L	1114 LEAD TOT REC UG/L	1118 CHROMIUM TOT REC UG/L
94/05/03	0950		1.4		0.2	1U		97				5.0U
94/07/06	0955		0.5P		0.2P	1U		58				5.0U
94/09/06	1000		0.4P		0.1P	1U		22				5.0U

DATE FROM TO	TIME	DEPTH FEET	1119 COPPER TOT REC UG/L	1130 LITHIUM LI,DISS UG/L	31501 TOT COLI MFIMENDO /100ML	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
93/10/05	0920							9			1.1
93/11/02	0925							79			0.8
93/12/07	0930										0.6
94/01/04	0940							6			0.8
94/02/08	0945							1K			0.8
94/03/08	0940							1			0.9
94/04/05	1010							2			0.8
94/05/03	0950							2		0.00K	0.8
94/06/07	1010							6			1.2

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	1119 COPPER TOT REC UG/L	1130 LITHIUM LI,DISS UG/L	31501 TOT COLI MFIMENDO /100ML	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
94/07/06	0955							6		0.00P	0.9
94/08/02	1020							27			0.7
94/09/06	1000							34S		0.00U	0.9

59A070 6559A070 12409000 541027
COLVILLE RIVER AT KETTLE FALLS
48 35 40.0 118 03 41.0 2F 0 Elev= 0 ft
53065 Washington Stevens Co. PACIFIC NORTHWEST
UPPER COLUMBIA (Colville-59) 130559
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 23-59-02 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1310001 007100
MILES 0695.00 0005.00 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	310 BOD 5 DAY MG/L
93/10/06	1210		416164	11.6	723	91			332	9.4	90.5	
93/11/03	1130		456164	3.7	721	121			331	12.1	96.5	
93/12/08	0930		506164	0.0	709	132			340	12.4	91.1	
94/01/05	1140		16164	1.6	717	232			331	12.2	92.6	
94/02/09	0935		66164	0.0	721	73			600J	12.1	87.3	
94/03/09	1120		106164	1.5J	727	240			347	12.5	93.3	
94/04/06	1115		146164	3.1	718	676			223	11.3	89.1	
94/05/04	1120		186164	10.8	727	444			240	9.9	93.1	
94/06/08	1445		236164	14.5	729	303			257	10.6	107.9	
94/07/07	1210		276164	20.0	725	87			316	7.9	90.5	
94/08/03	1100		316164	23.6	721	28			318	6.8	83.8	
94/09/07	1120		366164	18.0	723	51			367	8.0	88.3	

DATE FROM TO	TIME	DEPTH FEET	400 PH SU	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L
93/10/06	1210		8.20				6.0	0.28	0.013			
93/11/03	1130		8.40				4.0	0.47	0.046			
93/12/08	0930		8.00				3.0	1.03	0.217			
94/01/05	1140		8.00				16.0	0.88	0.159			
94/02/09	0935		8.00				3.0	1.20	0.208			
94/03/09	1120		8.10				19.0	0.85	0.087			
94/04/06	1115		8.00				83.0	0.44	0.042			
94/05/04	1120		8.00				25.0	0.27	0.016			
94/06/08	1445		8.20				7.0	0.27	0.014			
94/07/07	1210		8.00				5.0	0.25	0.021			
94/08/03	1100		8.20				7.0	0.34	0.013			
94/09/07	1120		8.40				10.0	0.22	0.015			

DATE FROM TO	TIME	DEPTH FEET	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	650 T PO4 PO4 MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	650 T PO4 PO4 MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L
93/10/06	1210			0.090			0.018	0.017				
93/11/03	1130			0.293			0.035	0.025				
93/12/08	0930			0.565			0.080	0.059				
94/01/05	1140			0.491			0.084	0.053				
94/02/09	0935			0.639			0.076	0.055				
94/03/09	1120			0.509			0.063	0.032				
94/04/06	1115			0.171			0.098	0.023				
94/05/04	1120			0.149			0.047	0.020				
94/06/08	1445			0.119			0.035	0.025				
94/07/07	1210			0.018			0.026	0.010K				
94/08/03	1100			0.094			0.074	0.055				
94/09/07	1120			0.056			0.040	0.032				

DATE FROM TO	TIME	DEPTH FEET	930 SODIUM NA,DISS MG/L	931 SODIUM ADSBTION RATIO	932 PERCENT SODIUM %	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1000 ARSENIC AS,DISS UG/L	1002 ARSENIC AS,TOT UG/L

DATE FROM TO	TIME	DEPTH FEET	1020 BORON B,DISS UG/L	1030 CHROMIUM CR,DISS UG/L	1032 CHROMIUM HEX-VAL UG/L	1034 CHROMIUM CR,TOT UG/L	1040 COPPER CU,DISS UG/L	1042 COPPER CU,TOT UG/L	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L	1080 STRONTUM SR,DISS UG/L	1090 ZINC ZN,DISS UG/L

DATE FROM TO	TIME	DEPTH FEET	1130 LITHIUM LI,DISS UG/L	31501 TOT COLI MFIMENDO /100ML	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML	31507 TOT COLI MPN COMP /100ML	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L	70301 DISS SOL SUM MG/L	70302 DISS SOL TONS/DAY	70303 DISS SOL TONS PER ACRE-FT
93/10/06	1210							92				
93/11/03	1130							18				
93/12/08	0930							38				
94/01/05	1140							120				
94/02/09	0935							19				
94/03/09	1120							11				
94/04/06	1115							75				
94/05/04	1120							22				
94/06/08	1445							92				
94/08/03	1100							150				
94/09/07	1120							100				

DATE FROM TO	TIME	DEPTH FEET	71851 NITRATE DISS-NO3 MG/L	71885 IRON FE UG/L	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	71851 NITRATE DISS-NO3 MG/L	71885 IRON FE UG/L	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
93/10/06	1210					2.8
93/11/03	1130					2.2
93/12/08	0930					2.8
94/01/05	1140					11.0
94/02/09	0935					3.4
94/03/09	1120					10.0
94/04/06	1115					36.0
94/05/04	1120					12.0
94/06/08	1445					4.0
94/07/07	1210					3.5
94/08/03	1100					5.1
94/09/07	1120					5.7

60A070 6560A070 12404900 541028
KETTLE RIVER NEAR BARSTOW
48 47 05.0 118 07 27.0 2F 0 Elev= 0 ft
53065 Washington Stevens Co. PACIFIC NORTHWEST
UPPER COLUMBIA (Kettle-60) 130560
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 23-60-04 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM/RMP

INDEX 1310001 007190
MILES 0706.40 0010.90 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	310 BOD 5 DAY MG/L
93/10/06	1305		416167	12.3	726	616			175	10.3	100.4	
93/11/03	1215		456167	4.9	725	746			157	12.5	102.2	
93/12/08	1025		506167	0.0	716	616			179	13.9	101.0	
94/01/05	1230		16167	0.1	724	683			174	14.0	100.9	
94/02/09	1025		66167	0.0	727	583			290J	13.8	98.7	
94/03/09	1200		106167	1.8J	730	711			174	13.2	98.9	
94/04/06	1210		146167	4.4	721	6540			81	12.5	101.5	
94/05/04	1210		186167	7.8	729	9230			67	11.7	102.3	
94/06/08	0840		236167	9.6	735	12000			45	11.6	105.0	
94/07/07	1305		276167	19.6	726	2720			95	9.2	104.3	
94/08/03	1140		316167	21.6	722	545			144	8.7	103.1	
94/09/07	1210		366167	18.1	724	434			198	9.5	104.9	

DATE FROM TO	TIME	DEPTH FEET	340 COD HI LEVEL MG/L	400 PH SU	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L
93/10/06	1305			8.30				1.0	0.14	0.010K		
93/11/03	1215			8.40				1.0	0.14	0.010K		
93/12/08	1025			8.00				1.0K	0.26	0.010K		
94/01/05	1230			8.40				1.0	0.25	0.010K		
94/02/09	1025			8.10				6.0	0.31	0.010K		
94/03/09	1200			8.40				3.0	0.26	0.023		
94/04/06	1210			7.90				19.0	0.21	0.011		
94/05/04	1210			8.00				10.0	0.09	0.010K		
94/06/08	0840			7.90				30.0	0.08	0.010K		
94/07/07	1305			8.10				2.0	0.08	0.010K		
94/08/03	1140			8.20				1.0K	0.10	0.010K		
94/09/07	1210			8.50				2.0	0.13	0.010K		

DATE FROM TO	TIME	DEPTH FEET	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L
93/10/06	1305				0.025		0.010K	0.010K				
93/11/03	1215				0.040		0.010K	0.010K				
93/12/08	1025				0.172		0.012	0.010K				
94/01/05	1230				0.184		0.010K	0.010K				
94/02/09	1025				0.190		0.010K	0.010K				
94/03/09	1200				0.115		0.010K	0.010K				
94/04/06	1210				0.045		0.023	0.010K				
94/05/04	1210				0.016		0.013	0.010K				
94/06/08	0840				0.010K		0.023	0.010K				
94/07/07	1305				0.010K		0.010K	0.010K				
94/08/03	1140				0.018		0.010K	0.010K				
94/09/07	1210				0.010K		0.010K	0.010K				

DATE FROM TO	TIME	DEPTH FEET	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1020 BORON B,DISS UG/L	1025 CADMIUM CD,DISS UG/L	1030 CHROMIUM CR,DISS UG/L	1040 COPPER CU,DISS UG/L

DATE FROM TO	TIME	DEPTH FEET	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L	1065 NICKEL NI,DISS UG/L	1090 ZINC ZN,DISS UG/L	31501 TOT COLI MFIMENDO /100ML	31504 TOT COLI MFIM LES /100ML	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L	71900 MERCURY HG,TOTAL UG/L
93/10/06	1305									2		
93/11/03	1215									1K		
93/12/08	1025									3		
94/01/05	1230									1K		
94/02/09	1025									1		
94/03/09	1200									1K		
94/04/06	1210									10		
94/05/04	1210									10		
94/06/08	0840									56S		
94/07/07	1305									5		
94/08/03	1140									8		
94/09/07	1210									6		

DATE FROM TO	TIME	DEPTH FEET	82079 TURBIDTY LAB NTU
93/10/06	1305		0.4
93/11/03	1215		0.4
93/12/08	1025		0.5

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	82079 TURBIDTY LAB NTU
94/01/05	1230		0.5
94/02/09	1025		1.1
94/03/09	1200		1.1
94/04/06	1210		7.1
94/05/04	1210		3.5
94/06/08	0840		8.2
94/07/07	1305		0.8
94/08/03	1140		0.5K
94/09/07	1210		0.6

61A070 6561A070 12399500 541029
COLUMBIA R AT NORTHPORT
48 55 21.0 117 46 32.0 2F 0 Elev= 0 ft
53065 Washington Stevens Co. PACIFIC NORTHWEST
UPPER COLUMBIA (Upper Lake Roosevelt-61) 130561
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 26-00-04 Class= AA Miles= 0.00 to 0.00
AMBNT/STREAM/NASQAN

INDEX 1310001
MILES 0735.10 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	33 WEATHER CODE	35 WIND VELOCITY MPH	36 WIND DIR.FROM NORTH-0	60 STREAM FLOW CFS	69 SEA CODE	70 TURB JKSN JTU	80 COLOR PT-CO UNITS
93/10/06	0755		416165	15.2	725				57100			
93/11/03	0725		456165	10.0	722				77000			
93/12/08	0750		506165	4.2	717				79500			
94/01/05	0730		16165	4.2	720				75700			
94/02/09	0750		66165	2.9	727				115000			
94/03/09	0720		106165	1.6J	733				60000			
94/04/06	0735		146165	4.3	725				37700			
94/05/04	0725		186165	7.9J	729				82200			
94/06/08	1015		236165	12.1	756				133000			
94/07/07	0730		276165	15.8	731				105000			
94/08/03	0710		316165	17.4	724				92700			
94/09/07	0740		366165	17.8	728				48400			

DATE FROM TO	TIME	DEPTH FEET	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	310 BOD 5 DAY MG/L	400 PH SU	405 CO2 MG/L	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L
93/10/06	0755		140	9.5	98.7		8.20					2.0
93/11/03	0725		134	11.4	106.0		8.10					2.0
93/12/08	0750		137	13.2	107.2		8.00					1.0K
94/01/05	0730		137	13.3	107.5		8.00					1.0
94/02/09	0750		159J	12.2	94.4		8.10					2.0
94/03/09	0720		154	12.5	92.7		8.00					1.0
94/04/06	0735		154	12.3	99.0		8.00					2.0
94/05/04	0725		133	11.7	102.6		7.90					2.0
94/06/08	1015		118	11.9	110.7		7.70					3.0
94/07/07	0730		118	10.2	106.4		8.00					2.0
94/08/03	0710		99	9.9	107.7		7.90					1.0
94/09/07	0740		123	9.3	101.5		8.30					1.0

DATE FROM TO	TIME	DEPTH FEET	600 TOTAL N N MG/L	605 ORG N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	600 TOTAL N N MG/L	605 ORG N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P
93/10/06	0755		0.12		0.018					0.026		0.020
93/11/03	0725		0.12		0.011					0.036		0.016
93/12/08	0750		0.16		0.016					0.084		0.014
94/01/05	0730		0.16		0.018					0.113		0.018
94/02/09	0750		0.20		0.015					0.135		0.010K
94/03/09	0720		0.09		0.044					0.095		0.022
94/04/06	0735		0.20		0.029					0.100		0.036
94/05/04	0725		0.10		0.010K					0.081		0.010K
94/06/08	1015		0.12		0.014					0.047		0.010K
94/07/07	0730		0.13		0.010K					0.058		0.010K
94/08/03	0710		0.16		0.010K					0.080		0.010K
94/09/07	0740		0.16		0.018					0.056		0.010K

DATE FROM TO	TIME	DEPTH FEET	671 PHOS-DIS ORTHO MG/L P	680 T ORG C C MG/L	760 SWL PBI MG/L	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L
93/10/06	0755		0.021									
93/11/03	0725		0.010K									
93/12/08	0750		0.010K									
94/01/05	0730		0.011									
94/02/09	0750		0.010K									
94/03/09	0720		0.014									
94/04/06	0735		0.030									
94/05/04	0725		0.010K			68						
94/06/08	1015		0.010K			61						
94/07/07	0730		0.010K			61						
94/08/03	0710		0.010K									
94/09/07	0740		0.010K									

DATE FROM TO	TIME	DEPTH FEET	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	978 ARSENIC TOT REC UG/L	1000 ARSENIC AS,DISS UG/L	1005 BARIUM BA,DISS UG/L	1020 BORON B,DISS UG/L	1025 CADMIUM CD,DISS UG/L	1030 CHROMIUM CR,DISS UG/L	1040 COPPER CU,DISS UG/L
94/05/04	0725					30.0U				0.05P		1.7
94/06/08	1015					30.0U						
94/07/07	0730					30.0U				0.04U		1.5
94/09/07	0740					30.0U				0.06P		1.7

DATE FROM TO	TIME	DEPTH FEET	1042 COPPER CU,TOT UG/L	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L	1065 NICKEL NI,DISS UG/L	1074 NICKEL TOT REC UG/L	1075 SILVER AG,DISS UG/L	1090 ZINC ZN,DISS UG/L	1092 ZINC ZN,TOT UG/L	1094 ZINC TOT REC UG/L	1113 CADMIUM TOT REC UG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	1042 COPPER CU,TOT UG/L	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L	1065 NICKEL NI,DISS UG/L	1074 NICKEL TOT REC UG/L	1075 SILVER AG,DISS UG/L	1090 ZINC ZN,DISS UG/L	1092 ZINC ZN,TOT UG/L	1094 ZINC TOT REC UG/L	1113 CADMIUM TOT REC UG/L
94/05/04	0725		6.7P		0.1P	1U	10.0U		4	4.3P	4.3P	3.00U
94/06/08	1015		2.4				1.0U			5.2	5.2	0.04P
94/07/07	0730				0.0P	1U			2P			
94/08/03	0710										7.1U	3.00U
94/09/07	0740				0.1P	1U			3P		4.2P	15.00U

DATE FROM TO	TIME	DEPTH FEET	1114 LEAD TOT REC UG/L	1118 CHROMIUM TOT REC UG/L	1119 COPPER TOT REC UG/L	1145 SELENIUM SE,DISS UG/L	31501 TOT COLI MFIMENDO /100ML	31504 TOT COLI MFIM LES /100ML	31616 FEC COLI MFM-FCBR /100ML	31625 FEC COLI M-FCAGAD /100 ML	31672 FECSTREP PC M-ENT /100ML	32211 CHLRPHYL A UG/L CORRECTD
93/10/06	0755								95			
93/11/03	0725								17			
93/12/08	0750								6			
94/01/05	0730								14			
94/02/09	0750								24			
94/03/09	0720								5			
94/04/06	0735								93			
94/05/04	0725		20.0U	5.0U	6.7P				79			
94/06/08	1015		0.6	5.0U	2.4				24			
94/07/07	0730			5.0U					4			
94/08/03	0710		20.0U		3.5U				74			
94/09/07	0740		20.0U	5.0U	3.8P				100			

DATE FROM TO	TIME	DEPTH FEET	32218 PHEOPHTN A UG/L	70300 RESIDUE DISS-180 C MG/L	71900 MERCURY HG,TOTAL UG/L	82079 TURBIDTY LAB NTU
93/10/06	0755					0.8
93/11/03	0725					1.0
93/12/08	0750					0.7
94/01/05	0730					0.6
94/02/09	0750					0.7
94/03/09	0720					0.7
94/04/06	0735					1.0
94/05/04	0725				0.00K	0.8
94/06/08	1015				0.00K	1.1
94/07/07	0730				0.00P	1.0
94/08/03	0710				0.00U	0.7
94/09/07	0740				0.00P	0.5

62A090 5162A090 12396500 541030
PEND OREILLE R AT METALINE FALLS
48 51 54.0 117 22 20.0 2F 0 Elev= 0 ft
53051 Washington Pend Oreille Co. PACIFIC NORTHWEST
CLARK FORK, PEND OREILLE (Pend Oreille-6 130262
21540000 Reach= 0.000 Drg= 0 sqmi
Seg ID= 23-62-05 Class= A Miles= 0.00 to 0.00
AMBNT/STREAM

INDEX 1310001 007520
MILES 0745.50 0027.00 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU
93/10/06	1020		416166	15.3	708	24900			158	9.2	98.0	8.40
93/11/03	0950		456166	9.9	705	26500			157	10.1	96.0	8.10
94/01/05	0955		16166	1.8	705	14200			162	12.4	96.1	8.00
94/03/09	0945		106166	1.6J	712	22800			161	12.6	96.2	8.10
94/04/06	0940		146166	6.2	729	12500			156	11.6	97.5	8.30
94/05/04	0950		186166	9.4	711	27900			142	10.7	99.7	8.20
94/06/08	1255		236166	14.8	713	31400			137	9.7	101.6	7.70
94/07/07	1000		276166	18.7	712	12500			146	9.1	103.5	8.30
94/08/03	0925		316166	24.9	707	6320			127	8.6	110.6	8.70
94/09/07	0940		366166	19.4	710	10700			160	8.8	101.6	8.60

DATE FROM TO	TIME	DEPTH FEET	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	620 NO3-N TOTAL MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P
93/10/06	1020				2.0	0.09	0.010K		0.010K		0.010K	0.010K
93/11/03	0950				1.0	0.09	0.010K		0.010K		0.010K	0.010K
94/01/05	0955				2.0	0.10	0.010		0.015		0.010K	0.010K
94/03/09	0945				3.0	0.11	0.011		0.012		0.014	0.010K
94/04/06	0940				2.0	0.08	0.010K		0.010K		0.010K	0.010K
94/05/04	0950				3.0	0.07	0.010K		0.010K		0.010K	0.010K
94/06/08	1255				4.0	0.06	0.010K		0.010K		0.010K	0.010K
94/07/07	1000				1.0	0.09	0.010K		0.010K		0.010K	0.010K
94/08/03	0925				2.0	0.10	0.010K		0.010K		0.010K	0.010K
94/09/07	0940				1.0K	0.12	0.012		0.010K		0.012	0.010K

DATE FROM TO	TIME	DEPTH FEET	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L

DATE FROM TO	TIME	DEPTH FEET	1020 BORON B,DISS UG/L	1045 IRON FE,TOT UG/L	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L	82079 TURBIDTY LAB NTU

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	1020 BORON B,DISS UG/L	1045 IRON FE,TOT UG/L	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L	82079 TURBIDTY LAB NTU
93/10/06	1020					2		0.8
93/11/03	0950					1K		1.0
94/01/05	0955					1		0.6
94/03/09	0945					1K		1.7
94/04/06	0940					1		1.4
94/05/04	0950					1		2.2
94/06/08	1255					2		2.3
94/07/07	1000					1U		1.2
94/08/03	0925					3		1.0
94/09/07	0940					7		0.7

62A150 5162A150 12395500 541031
PEND OREILLE RIVER AT NEWPORT
48 11 07.0 117 02 02.0 2F 0 Elev= 0 ft
53051 Washington Pend Oreille Co. PACIFIC NORTHWEST
CLARK FORK, PEND OREILLE (Pend Oreille-6 130262
21540000 Reach= 0.000 Drg= 0 sqmi
AMBNT/STREAM/RMP

INDEX 1310001 007520
MILES 0745.50 0088.20 . . . . . .

DATE FROM TO	TIME	DEPTH FEET	8 LAB IDENT. NUMBER	10 WATER TEMP CENT	25 BAROMTRC PRESSURE MM OF HG	60 STREAM FLOW CFS	70 TURB JKSN JTU	80 COLOR PT-CO UNITS	95 CNDUCTVY LAB @ 25C UMHO	300 DO MG/L	301 DO SATUR PERCENT	400 PH SU
93/10/05	1025		416156	15.0	708	34700			158	9.1	96.5	8.40
93/11/02	1035		456156	10.2	716	24700			155	10.2	96.1	8.40
93/12/07	1035		506156	2.9	701	18600			159	11.8	94.8	8.00
94/01/04	1050		16156	2.8	700	16500			162	11.9	95.5	8.00
94/02/08	1055		66156	0.4	710	14200			179J	12.7	94.0	8.00
94/03/08	1050		106156	2.2J	713	30600			168	12.4	96.1	8.10
94/04/05	1115		146156	6.0	707	19400			148	12.0	103.5	8.30
94/05/03	1135		186156	8.9	709	35800			138	11.3	104.3	8.40
94/06/07	1120		236156	14.5	712	31000			138	9.8	102.2	8.00
94/07/06	1125		276156	18.0	713	12700			145	9.0	100.7	8.00
94/08/02	1130		316156	24.9	706	6200			127	9.1	117.2	8.50
94/09/06	1130		366156	19.6	710	4450			162	8.9	103.3	8.30

DATE FROM TO	TIME	DEPTH FEET	405 CO2 MG/L	410 T ALK CACO3 MG/L	440 HCO3 ION HCO3 MG/L	445 CO3 ION CO3 MG/L	530 RESIDUE TOT-NFLT MG/L	600 TOTAL N N MG/L	610 NH3+NH4- N TOTAL MG/L	613 NO2-N DISS MG/L	615 NO2-N TOTAL MG/L	620 NO3-N TOTAL MG/L
93/10/05	1025						2.0	0.09	0.010K			
93/11/02	1035						2.0	0.09	0.010K			
93/12/07	1035						1.0K	0.11	0.010K			
94/01/04	1050						5.0	0.11	0.010K			
94/02/08	1055						4.0	0.14	0.010K			
94/03/08	1050						3.0	0.12	0.010K			
94/04/05	1115						3.0	0.10	0.010K			
94/05/03	1135						5.0	0.05	0.010K			
94/06/07	1120						4.0	0.06	0.010K			
94/07/06	1125						2.0	0.08	0.010K			
94/08/02	1130						1.0	0.12	0.010K			
94/09/06	1130						2.0	0.10	0.010K			

DATE FROM TO	TIME	DEPTH FEET	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	625 TOT KJEL N MG/L	630 NO2+NO3 N-TOTAL MG/L	660 ORTHOPO4 PO4 MG/L	665 PHOS-TOT MG/L P	671 PHOS-DIS ORTHO MG/L P	900 TOT HARD CACO3 MG/L	902 NC HARD CACO3 MG/L	915 CALCIUM CA,DISS MG/L	925 MGNSIUM MG,DISS MG/L	930 SODIUM NA,DISS MG/L
93/10/05	1025			0.010K		0.010K	0.010K					
93/11/02	1035			0.010K		0.010K	0.010K					
93/12/07	1035			0.025		0.012	0.010K					
94/01/04	1050			0.039		0.010K	0.010K					
94/02/08	1055			0.032		0.010K	0.010K					
94/03/08	1050			0.047		0.010K	0.010K					
94/04/05	1115			0.010K		0.010K	0.010K					
94/05/03	1135			0.010K		0.010K	0.010K					
94/06/07	1120			0.010K		0.015	0.010K					
94/07/06	1125			0.010K		0.010K	0.010K					
94/08/02	1130			0.010K		0.010K	0.010K					
94/09/06	1130			0.010K		0.014	0.010K					

DATE FROM TO	TIME	DEPTH FEET	935 PTSSIUM K,DISS MG/L	940 CHLORIDE CL MG/L	945 SULFATE SO4-TOT MG/L	950 FLUORIDE F,DISS MG/L	955 SILICA DISOLVED MG/L	1000 ARSENIC AS,DISS UG/L	1005 BARIUM BA,DISS UG/L	1020 BORON B,DISS UG/L	1025 CADMIUM CD,DISS UG/L	1030 CHROMIUM CR,DISS UG/L

DATE FROM TO	TIME	DEPTH FEET	1040 COPPER CU,DISS UG/L	1045 IRON FE,TOT UG/L	1049 LEAD PB,DISS UG/L	1075 SILVER AG,DISS UG/L	1090 ZINC ZN,DISS UG/L	1145 SELENIUM SE,DISS UG/L	31505 TOT COLI MPN CONF /100ML	31616 FEC COLI MFM-FCBR /100ML	70300 RESIDUE DISS-180 C MG/L	71900 MERCURY HG,TOTAL UG/L
93/10/05	1025									1		
93/11/02	1035									1		
93/12/07	1035									1		
94/01/04	1050									1K		
94/02/08	1055									1K		
94/03/08	1050									1K		
94/04/05	1115									2		
94/05/03	1135									1K		
94/06/07	1120									3		
94/07/06	1125									1		
94/08/02	1130									1		
94/09/06	1130									63		

DATE FROM TO	TIME	DEPTH FEET	82079 TURBIDTY LAB NTU
93/10/05	1025		0.8
93/11/02	1035		1.2
93/12/07	1035		0.9

MORE DATES NEXT PAGE

DATE FROM TO	TIME	DEPTH FEET	82079 TURBIDTY LAB NTU
94/01/04	1050		0.8
94/02/08	1055		1.8
94/03/08	1050		1.6
94/04/05	1115		2.0
94/05/03	1135		2.0
94/06/07	1120		1.8
94/07/06	1125		1.2
94/08/02	1130		1.0
94/09/06	1130		0.9

Appendix C

Wateryear 1994 Six-Year Summary Statistics for Ecology's River and Stream Ambient Monitoring Program

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 01A050 Name: NOOKSACK R @ BRENNAN Class: A Elevation: 10 River Mile: 3.40

Location:
LOCATED ONE MILE WEST OF BRENNAN AT BRIDGE OVER NOOKSACK ON STATE HIGHWAY 540 (RURAL ROAD EXIT FROM I-5)

Water Years Sampled:

5 6	7	8	9
9 0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6
	X X X	X X X X X X X X X X	X X X X X X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	7.189	2.318	18	5.365	2.032	17	10.661	2.270	18	15.306	1.490	18	17.900	1.000
ZN	P1094	ug/L	18.400	17.902	10	13.667	13.928	9	6.750	2.765	8	11.250	16.158	8	67.000	2.000K
CD	P1113	ug/L	0.151	0.054	10	0.196	0.075	9	0.142	0.069	9	0.126	0.049	8	0.360	0.100K
PB	P1114	ug/L	2.080	1.215	10	1.800	1.727	9	1.788	1.435	8	1.725	1.852	8	6.300	1.000K
CR	P1118	ug/L	4.143	2.867	7	3.623	4.033	8	3.489	1.619	8	1.339	1.099	7	10.600	0.370
CU	P1119	ug/L	8.950	12.113	10	9.344	9.300	9	4.867	1.981	9	7.513	8.562	8	42.400	2.000K
PRESS	P25	mmHg	763.733	8.528	18	766.188	6.513	17	764.433	5.054	18	763.512	3.889	17	775.700	744.000
OXYGEN	P300	mg/L	11.578	0.834	18	12.047	0.626	17	10.800	0.468	18	10.056	0.450	18	13.600	9.500
PCTSAT	P301	%	94.878	4.174	18	94.118	2.837	17	95.900	4.644	17	99.071	3.317	17	106.300	81.100
FC	P31616	#/100ml	143.235	166.340	17	194.625	206.508	16	92.882	111.650	17	280.944	455.920	18	1900.000	1.000
PH	P400	units	7.638	0.258	16	7.538	0.189	16	7.506	0.235	16	7.582	0.238	17	8.300	7.200
SUSSOL	P530	mg/L	130.333	158.024	18	73.059	150.248	17	48.333	56.719	18	85.067	174.678	18	770.000	6.000
FLOW	P60	CFS	4257.833	2454.271	18	3864.706	2420.744	17	4027.778	1246.301	18	2224.444	1252.425	18	10800.000	820.000
TPN	P600	mg/L	0.508	0.214	3	0.937	0.275	3	0.175	0.080	3	0.161	0.052	3	1.220	0.097
NH3_N	P610	mg/L	0.041	0.034	18	0.064	0.035	17	0.021	0.010	18	0.020	0.010	16	0.160	0.010K
NO2_DIS	P613	mg/L	0.009	0.002	15	0.010	0.000	14	0.010	0.000	15	0.010	0.002	15	0.010	0.002K
NO2_N	P615	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.010K
NH3_UN	P619	mg/L	0.000	0.000	10	0.000	0.000	11	0.000	0.000	12	0.000	0.000	9	0.001	0.000
NO3_N	P620	mg/L	0.495	0.120	2	0.553	0.047	3	0.223	0.111	3	0.137	0.059	3	0.590	0.070
NO2_NO3	P630	mg/L	0.463	0.178	18	0.651	0.199	17	0.232	0.087	18	0.159	0.047	16	1.000	0.094
TP_P	P665	mg/L	0.065	0.050	16	0.075	0.111	17	0.035	0.021	18	0.094	0.194	15	0.790	0.010K
OP_DIS	P671	mg/L	0.011	0.003	18	0.011	0.004	16	0.010	0.000	18	0.010	0.002	18	0.020	0.005K
HG	P71900	ug/L	0.072	0.034	10	0.040	0.019	8	0.044	0.013	9	0.055	0.018	6	0.140	0.020K
COLOR	P80	Pt-Co	33.500	21.486	4	283.000	465.174	3	14.667	23.671	3	2.000	1.732	3	820.000	1.000K
TURB	P82079	NTU	38.517	47.452	18	18.894	25.137	17	14.282	16.539	17	31.044	40.707	18	193.000	1.300
HARD	P900	mg/L	46.000	8.097	10	47.111	10.948	9	35.111	5.442	9	38.667	11.811	9	61.000	17.000
COND	P95	umhos	100.111	22.397	18	110.353	17.592	17	83.000	13.638	18	94.833	17.349	18	149.000	59.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 01E050 Name: WHATCOM CR @ BELLINGHAM Class: A Elevation: 20 River Mile: 0.25

Location:
STATION LOCATED ON WHATCOM CREEK DOWNSTREAM FROM DUPONT STREET AND JUST ACROSS FROM THE SEWAGE TREATMENT PLANT

Water Years Sampled:

5	6						7								8									9					
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
														X			X																	X			

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	8.833	3.953	3	6.000	0.265	3	14.933	3.194	3	19.800	1.179	3	20.800	5.500
PRESS	P25	mmHg	771.500	3.940	3	764.733	6.229	3	765.133	2.517	3	764.300	1.997	3	774.700	759.700
OXYGEN	P300	mg/L	11.667	1.060	3	12.367	0.153	3	10.400	0.608	3	9.300	0.173	3	12.800	9.200
PCTSAT	P301	%	98.233	2.369	3	98.500	0.346	3	101.533	6.422	3	100.400	0.889	3	108.700	95.500
FC	P31616	#/100ml	2745.667	4551.116	3	72.000	59.025	3	76.000	23.812	3	383.333	180.093	3	8000.000	12.000
PH	P400	units	7.733	0.208	3	7.600	0.000	2	7.700	0.173	3	7.850	0.071	2	7.900	7.500
SUSSOL	P530	mg/L	5.667	7.234	3	23.000	33.808	3	2.667	2.082	3	3.333	0.577	3	62.000	1.000K
FLOW	P60	CFS	6.700	0.990	2	184.000	89.152	3	41.667	14.364	3	25.000	5.000	3	270.000	6.000
TPN	P600	mg/L	0.724	0.276	3	0.727	0.291	3	0.409	0.169	3	0.296	0.058	3	1.040	0.238
NH3_N	P610	mg/L	0.045	0.025	3	0.013	0.004	3	0.010	0.000	3	0.010	0.000	3	0.064	0.010K
NO2_NO3	P630	mg/L	0.453	0.220	3	0.509	0.185	3	0.341	0.144	3	0.151	0.045	3	0.700	0.110
TP_P	P665	mg/L	0.047	0.038	3	0.027	0.026	3	0.012	0.002	3	0.023	0.004	3	0.090	0.010K
OP_DIS	P671	mg/L	0.019	0.010	3	0.010	0.000	3	0.012	0.002	3	0.010	0.000	3	0.031	0.010K
TURB	P82079	NTU	12.233	18.851	3	6.833	7.958	3	1.833	0.929	3	1.900	0.529	3	34.000	0.800
COND	P95	umhos	116.667	20.599	3	72.667	2.309	3	83.000	12.124	3	84.333	5.508	3	136.000	69.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 03A060 Name: SKAGIT R NR MOUNT VERNON Class: A Elevation: 14 River Mile: 15.90

Location:
LOCATED ONE MILE NORTH OF MOUNT VERNON AT THE BRIDGE CROSSING THE SKAGIT RIVER ON OLD HIGHWAY 99 (.3 MILE EAST OF INTERSTATE 5)

Water Years Sampled:

5 6			7								8												9						
9 0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
X X	X	X	X	X	X	X	X	X		X	X																									

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	8.011	2.246	18	4.694	1.166	18	9.428	1.927	18	13.467	1.254	18	15.700	1.400
CR	P1118	ug/L	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	5.000	0.000	2	5.000	5.000U
PRESS	P25	mmHg	763.061	8.789	18	766.778	9.795	18	767.117	5.386	18	767.124	4.795	17	776.700	741.700
OXYGEN	P300	mg/L	11.700	0.758	18	12.489	0.584	18	11.256	0.540	18	10.383	0.373	18	13.500	9.800
PCTSAT	P301	%	97.894	2.619	18	95.922	3.281	18	96.800	2.141	17	98.047	2.935	17	105.300	89.500
FC	P31616	#/100ml	19.118	21.366	17	16.778	21.599	18	12.556	11.903	18	34.667	37.036	18	140.000	1.000
COD	P340	mg/L	7.500	1.871	6	6.400	2.074	5	6.400	1.517	5	5.000	0.816	4	10.000	4.000K
PH	P400	units	7.431	0.206	16	7.400	0.257	17	7.450	0.253	16	7.459	0.272	17	8.100	6.900
SUSSOL	P530	mg/L	39.833	33.333	18	25.444	41.220	18	16.500	17.942	18	114.811	282.556	18	1230.000	2.000
FLOW	P60	CFS	17770.000	8232.437	18	17288.333	8463.554	18	17467.778	5034.526	18	12835.556	5858.361	18	46400.000	5570.000
TPN	P600	mg/L	0.187	0.070	3	0.279	0.043	3	0.071	0.057	3	0.080	0.005	3	0.325	0.010K
NH3_N	P610	mg/L	0.019	0.011	18	0.015	0.006	18	0.011	0.003	18	0.014	0.009	16	0.045	0.010K
NO2_DIS	P613	mg/L	0.009	0.002	15	0.010	0.000	15	0.010	0.000	15	0.009	0.002	15	0.011	0.002K
NO2_N	P615	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.010K
NH3_UN	P619	mg/L	0.000	0.000	11	0.000	0.000	12	0.000	0.000	12	0.000	0.000	9	0.001	0.000
NO3_N	P620	mg/L	0.120	0.070	3	0.113	0.015	3	0.087	0.025	3	0.043	0.012	3	0.170	0.030
NO2_NO3	P630	mg/L	0.146	0.055	18	0.154	0.047	18	0.102	0.078	18	0.048	0.012	17	0.400	0.030
TP_P	P665	mg/L	0.029	0.021	16	0.028	0.036	18	0.015	0.007	18	0.078	0.173	17	0.737	0.010K
OP_DIS	P671	mg/L	0.010	0.002	18	0.010	0.001	18	0.010	0.000	18	0.010	0.002	18	0.011	0.001J
HG	P71900	ug/L	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	0.001	0.000	2	0.001	0.001U
COLOR	P80	Pt-Co	22.000	19.916	4	99.333	156.666	3	21.333	18.771	3	22.667	34.962	3	280.000	1.000
TURB	P82079	NTU	9.578	9.138	18	7.611	12.621	18	4.106	3.723	18	28.528	60.220	18	260.000	1.200
HARD	P900	mg/L	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	21.500	2.121	2	24.000	20.000
COND	P95	umhos	55.333	7.380	18	61.944	7.810	18	48.833	11.873	18	46.889	8.274	18	89.000	30.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 04A100 Name: SKAGIT R @ MARBLEMOUNT Class: AA Elevation: 360 River Mile: 78.20

Location:
LOCATED AT THE BRIDGE ON THE CASCADE RIVER ROAD WHERE HIGHWAY 20 (NORTH CASCADES HIGHWAY) TURNS 90 DEGREES IN MARBLEMOUNT

Water Years Sampled:

5 6	7	8	9
9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6			
X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X			

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	7.794	1.541	18	4.150	1.621	18	7.378	1.570	18	10.800	0.774	18	12.300	0.600
CR	P1118	ug/L	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	5.000	0.000	2	5.000	5.000U
PRESS	P25	mmHg	757.328	6.868	18	758.000	6.428	18	756.844	5.240	18	757.329	4.011	17	768.900	744.000
OXYGEN	P300	mg/L	11.872	0.601	18	12.772	0.530	18	12.039	0.365	18	11.178	0.262	18	13.900	10.700
PCTSAT	P301	%	99.717	3.463	18	97.839	3.050	18	100.047	1.901	17	101.018	2.163	17	107.200	92.500
FC	P31616	#/100ml	5.222	9.258	18	5.813	18.985	16	2.059	1.560	17	11.667	21.785	18	94.000	1.000K
PH	P400	units	7.519	0.274	16	7.435	0.209	17	7.394	0.249	16	7.412	0.291	17	8.100	6.900
SUSSOL	P530	mg/L	4.889	4.969	18	3.222	5.418	18	2.444	2.935	18	2.511	1.755	18	24.000	1.000K
FLOW	P60	CFS	6507.222	3628.059	18	7143.889	3171.014	18	5465.000	1734.261	18	5517.778	2311.306	18	18900.000	2290.000
TPN	P600	mg/L	0.164	0.042	3	0.122	0.013	3	0.054	0.043	3	0.075	0.007	3	0.208	0.010K
NH3_N	P610	mg/L	0.011	0.004	18	0.011	0.003	18	0.010	0.000	18	0.012	0.004	17	0.022	0.005K
NO2_DIS	P613	mg/L	0.009	0.002	15	0.010	0.000	15	0.010	0.000	15	0.009	0.002	14	0.010	0.002K
NO2_N	P615	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.010K
NH3_UN	P619	mg/L	0.000	0.000	10	0.000	0.000	11	0.000	0.000	12	0.000	0.000	9	******.***	0.000
NO3_N	P620	mg/L	0.060	0.014	2	0.050	0.010	3	0.057	0.015	3	0.037	0.006	3	0.070	0.030
NO2_NO3	P630	mg/L	0.078	0.019	18	0.065	0.012	18	0.066	0.015	18	0.045	0.013	17	0.119	0.010K
TP_P	P665	mg/L	0.010	0.002	16	0.018	0.020	17	0.011	0.002	18	0.011	0.004	17	0.090	0.002K
OP_DIS	P671	mg/L	0.010	0.001	18	0.010	0.001	18	0.010	0.001	18	0.010	0.002	18	0.014	0.002J
HG	P71900	ug/L	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	0.001	0.000	2	0.001	0.001U
COLOR	P80	Pt-Co	5.125	3.614	4	10.000	5.196	3	22.667	24.987	3	6.000	6.245	3	50.000	1.000
TURB	P82079	NTU	1.639	1.188	18	1.483	1.157	18	1.053	0.332	17	1.617	0.714	18	4.000	0.200
HARD	P900	mg/L	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	20.500	4.950	2	24.000	17.000
COND	P95	umhos	49.778	9.595	18	59.722	7.458	18	41.222	12.013	18	46.000	7.388	18	71.000	23.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 05A070 Name: STILLAGUAMISH R NR SILVANA Class: A Elevation: 35 River Mile: 11.10

Location:
LOCATED ON THE INTERSTATE 5 BRIDGE JUST NORTH OF THE ARLINGTON-SILVANA EXIT (EXIT 208)

Water Years Sampled:

5	6																																				
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
X	X	X	X	X	X	X	X	X	X	X	X	X		X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	6.933	2.358	18	4.600	1.679	18	10.689	2.358	18	16.561	2.909	18	20.800	0.500
CR	P1118	ug/L	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	5.000	0.000	2	5.000	5.000U
PRESS	P25	mmHg	765.183	6.982	18	765.733	8.423	18	767.606	4.675	18	765.265	4.361	17	779.800	743.000
OXYGEN	P300	mg/L	11.950	0.904	18	12.528	0.616	18	10.906	0.529	18	9.294	0.742	18	14.000	8.100
PCTSAT	P301	%	97.067	3.390	18	96.050	2.568	18	96.659	3.470	17	93.706	7.352	17	113.700	86.400
FC	P31616	#/100ml	76.389	77.251	18	72.556	71.936	18	42.667	43.956	18	167.833	176.100	18	680.000	1.000
PH	P400	units	7.413	0.720	16	7.294	0.422	17	7.344	0.367	16	7.441	0.364	17	9.700	6.000
SUSSOL	P530	mg/L	61.944	70.180	18	95.389	255.526	18	18.000	21.890	18	13.689	27.648	18	1100.000	1.000
FLOW	P60	CFS	5228.250	3078.280	16	4779.444	4699.706	18	3397.778	1311.988	18	1127.889	1293.693	18	18600.000	380.000
TPN	P600	mg/L	0.464	0.152	3	0.557	0.123	3	0.161	0.052	3	0.211	0.078	3	0.692	0.102
NH3_N	P610	mg/L	0.029	0.022	18	0.033	0.020	18	0.013	0.006	18	0.017	0.011	17	0.080	0.010K
NO2_DIS	P613	mg/L	0.009	0.002	15	0.010	0.000	15	0.010	0.000	15	0.009	0.002	15	0.010	0.002K
NO2_N	P615	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.010K
NH3_UN	P619	mg/L	0.000	0.000	10	0.000	0.000	11	0.000	0.000	12	0.000	0.000	8	0.001	0.000
NO3_N	P620	mg/L	0.425	0.021	2	0.237	0.135	3	0.153	0.055	3	0.137	0.038	3	0.440	0.100
NO2_NO3	P630	mg/L	0.336	0.106	18	0.338	0.108	18	0.151	0.043	18	0.122	0.042	17	0.589	0.063
TP_P	P665	mg/L	0.041	0.034	16	0.045	0.055	18	0.020	0.013	18	0.028	0.030	17	0.240	0.010K
OP_DIS	P671	mg/L	0.010	0.001	18	0.011	0.006	18	0.010	0.000	18	0.010	0.002	18	0.036	0.006J
HG	P71900	ug/L	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	0.001	0.000	2	0.001	0.001P
COLOR	P80	Pt-Co	38.500	14.526	4	295.500	416.486	2	30.667	9.815	3	10.000	13.077	3	590.000	1.000
TURB	P82079	NTU	20.006	18.953	18	21.544	34.956	18	7.094	6.524	18	3.733	5.474	18	156.000	0.800
HARD	P900	mg/L	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	31.000	0.000	2	31.000	21.000
COND	P95	umhos	57.944	22.124	18	52.222	12.374	18	46.167	9.199	18	72.833	21.850	18	127.000	25.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 07A090 Name: SNOHOMISH R @ SNOHOMISH Class: A Elevation: 8 River Mile: 12.70

Location:
LOCATED AT BRIDGE ON AVENUE D IN SNOHOMISH, TWO BLOCKS SOUTH OF 2ND STREET (OLD HIGHWAY 2)

Water Years Sampled:

5	6									7										8										9					
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
X	X	X	X	X	X	X	X	X			X	X	X			X				X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	7.633	2.321	18	5.039	1.686	18	10.172	2.069	18	16.906	2.305	18	21.300	1.400
ZN	P1094	ug/L	9.100	6.262	10	7.333	2.693	9	10.875	7.338	8	6.500	3.295	8	26.000	2.000K
CD	P1113	ug/L	0.190	0.152	10	0.170	0.046	9	0.130	0.048	9	0.125	0.046	8	0.600	0.100K
PB	P1114	ug/L	1.367	0.548	9	1.156	0.324	9	1.288	0.596	8	1.663	1.190	8	4.400	1.000K
CR	P1118	ug/L	2.163	2.054	10	1.376	1.346	9	1.006	0.395	8	0.548	0.312	8	7.000	0.200K
CU	P1119	ug/L	6.780	5.671	10	4.933	4.108	9	3.756	1.455	9	3.763	1.039	8	20.000	2.000K
PRESS	P25	mmHg	768.528	5.304	18	766.078	4.930	18	764.700	5.563	18	763.965	5.585	17	779.800	748.800
OXYGEN	P300	mg/L	11.644	0.906	18	12.317	0.499	18	11.056	0.697	18	9.433	0.511	18	13.500	8.400
PCTSAT	P301	%	95.783	3.849	18	95.494	2.582	18	96.900	4.043	17	95.941	4.377	17	107.800	88.800
FC	P31616	#/100ml	128.353	123.352	17	45.533	32.227	15	64.059	74.026	17	111.722	178.813	18	820.000	4.000
COD	P340	mg/L	11.500	3.937	6	9.600	1.817	5	6.000	2.739	5	13.000	12.390	5	35.000	4.000K
PH	P400	units	7.250	0.398	16	7.206	0.251	17	7.194	0.282	16	7.253	0.224	17	8.100	6.200
SUSSOL	P530	mg/L	25.722	34.227	18	17.556	22.563	18	12.222	12.991	18	5.278	3.177	18	140.000	1.000K
FLOW	P60	CFS	12807.059	11116.949	17	9393.889	4349.417	18	11170.500	3935.808	18	3010.588	1533.703	17	41800.000	1440.000
TPN	P600	mg/L	0.462	0.154	3	0.644	0.202	3	0.145	0.070	3	0.203	0.059	3	0.840	0.071
NH3_N	P610	mg/L	0.030	0.014	18	0.030	0.016	18	0.013	0.005	18	0.018	0.012	17	0.070	0.010K
NO2_DIS	P613	mg/L	0.009	0.002	15	0.010	0.000	14	0.010	0.000	15	0.009	0.002	15	0.010	0.002K
NO2_N	P615	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.010K
NH3_UN	P619	mg/L	0.000	0.000	10	0.000	0.000	11	0.000	0.000	12	0.000	0.000	9	******.***	0.000
NO3_N	P620	mg/L	0.355	0.064	2	0.370	0.115	3	0.113	0.055	3	0.133	0.023	3	0.490	0.060
NO2_NO3	P630	mg/L	0.349	0.198	18	0.394	0.153	18	0.146	0.061	18	0.119	0.060	17	1.010	0.010K
TP_P	P665	mg/L	0.033	0.034	16	0.032	0.035	18	0.015	0.008	18	0.012	0.003	17	0.160	0.010K
OP_DIS	P671	mg/L	0.010	0.001	18	0.010	0.000	17	0.010	0.000	18	0.010	0.002	18	0.011	0.002J
HG	P71900	ug/L	0.067	0.025	9	0.045	0.014	7	0.047	0.018	9	0.054	0.012	6	0.110	0.020K
COLOR	P80	Pt-Co	28.000	13.229	3	21.000	4.000	3	18.000	12.124	3	16.286	11.116	7	38.000	1.000
TURB	P82079	NTU	8.489	12.230	18	5.606	5.678	18	4.288	3.985	17	2.050	1.376	18	51.000	1.000K
HARD	P900	mg/L	17.200	4.104	10	18.111	5.711	9	15.000	3.905	9	22.889	3.689	9	30.000	10.000
COND	P95	umhos	43.833	10.848	18	45.278	8.180	18	32.222	5.287	18	52.000	12.649	18	85.000	23.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 08B070 Name: SAMMAMISH R @ BOTHELL Class: AA Elevation: 15 River Mile: 20.40

Location:
LOCATED IN BOTHELL AT 102ND STREET BRIDGE OVER SAMMAMISH RIVER

Water Years Sampled:

5	6							7								8									9						
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
X	X	X	X	X	X	X	X	X	X	X	X	X				X		X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	9.311	2.434	18	6.639	1.639	18	14.194	2.422	18	17.978	2.384	18	20.800	2.600
PRESS	P25	mmHg	762.983	8.174	18	766.850	8.851	18	766.533	5.195	18	766.659	3.725	17	777.700	743.000
OXYGEN	P300	mg/L	9.694	0.881	18	11.228	0.588	18	9.628	0.805	18	8.100	0.894	18	12.700	6.400
PCTSAT	P301	%	83.578	4.999	18	90.561	4.037	18	92.124	6.730	17	83.547	8.770	17	104.100	66.200
FC	P31616	#/100ml	331.529	462.576	17	161.722	171.544	18	327.294	398.466	17	398.111	336.054	18	2000.000	8.000K
PH	P400	units	7.388	0.260	16	7.288	0.165	17	7.425	0.144	16	7.324	0.144	17	53.000	53.000
SUSSOL	P530	mg/L	12.667	10.313	18	13.889	10.209	18	7.333	3.125	18	8.278	8.316	18	49.000	3.000
FLOW	P60	CFS	383.111	277.095	18	598.444	223.802	18	321.278	146.030	18	105.778	65.940	18	1000.000	27.000
TPN	P600	mg/L	0.837	0.211	3	1.045	0.239	3	0.582	0.048	3	0.519	0.072	3	1.300	0.463
NH3_N	P610	mg/L	0.046	0.014	18	0.038	0.021	18	0.027	0.020	18	0.044	0.020	16	0.115	0.010K
NO2_DIS	P613	mg/L	0.012	0.006	15	0.010	0.001	15	0.011	0.002	15	0.010	0.002	15	0.032	0.007J
NO2_N	P615	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.010
NH3_UN	P619	mg/L	0.000	0.000	11	0.000	0.000	12	0.000	0.000	12	0.000	0.000	9	0.001	0.000
NO3_N	P620	mg/L	0.473	0.085	3	0.500	0.160	3	0.280	0.066	3	0.313	0.064	3	0.660	0.220
NO2_NO3	P630	mg/L	0.518	0.154	18	0.639	0.160	18	0.367	0.095	18	0.272	0.051	17	1.000	0.140
TP_P	P665	mg/L	0.052	0.013	16	0.056	0.030	18	0.037	0.011	18	0.055	0.015	17	0.130	0.020
OP_DIS	P671	mg/L	0.023	0.008	18	0.016	0.005	18	0.014	0.005	18	0.026	0.006	18	0.038	0.010K
COLOR	P80	Pt-Co	68.250	30.358	4	69.000	61.652	3	39.333	23.029	3	17.000	25.159	3	140.000	1.000
TURB	P82079	NTU	3.639	1.372	18	5.983	4.979	18	2.983	1.463	18	3.317	1.234	18	22.000	1.700
HARD	P900	mg/L	66.500	19.092	2	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	80.000	53.000
COND	P95	umhos	129.722	20.659	18	116.222	9.124	18	123.778	13.619	18	156.278	27.353	18	241.000	100.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 08B110 Name: SAMMAMISH R @ REDMOND Class: AA Elevation: 25 River Mile: 28.65

Location:
LOCATED AT THE BRIDGE ON LEARY WAY ON THE WESTERN SIDE OF REDMOND AT THE REDMOND GOLF LINKS AND DRIVING RANGE, ADJACENT TO MARYMOOR PARK

Water Years Sampled:

5 6	7	8	9
9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6			
		X	X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	8.900	3.676	3	6.933	0.462	3	14.600	3.816	3	19.700	1.513	3	20.900	5.500
PRESS	P25	mmHg	767.333	4.936	3	765.900	8.242	3	762.700	3.951	3	766.600	1.000	3	775.200	758.200
OXYGEN	P300	mg/L	10.833	0.351	3	11.533	0.681	3	11.133	0.757	3	9.833	0.808	3	12.300	9.100
PCTSAT	P301	%	92.167	5.074	3	94.300	4.258	3	108.100	4.349	3	105.500	5.451	3	113.000	87.400
FC	P31616	#/100ml	95.000	33.601	3	69.667	51.540	3	104.667	96.671	3	183.333	56.862	3	230.000	17.000
PH	P400	units	7.633	0.115	3	7.750	0.212	2	8.100	0.173	3	7.800	0.000	2	8.300	7.500
SUSSOL	P530	mg/L	4.000	2.646	3	10.000	3.606	3	4.667	1.155	3	3.667	1.155	3	13.000	2.000
FLOW	P60	CFS	81.000	61.490	3	236.667	77.488	3	112.333	46.737	3	19.000	9.644	3	296.000	12.000
TPN	P600	mg/L	0.640	0.172	3	0.887	0.152	3	0.442	0.129	3	0.294	0.069	3	0.986	0.229
NH3_N	P610	mg/L	0.032	0.012	3	0.016	0.004	3	0.013	0.006	3	0.010	0.000	3	0.045	0.010K
NO2_NO3	P630	mg/L	0.385	0.190	3	0.569	0.102	3	0.288	0.119	3	0.119	0.042	3	0.682	0.085
TP_P	P665	mg/L	0.032	0.002	3	0.034	0.012	3	0.017	0.006	3	0.028	0.005	3	0.045	0.011
OP_DIS	P671	mg/L	0.018	0.002	3	0.014	0.004	3	0.012	0.003	3	0.012	0.002	3	0.019	0.010K
TURB	P82079	NTU	2.600	0.964	3	3.900	1.229	3	1.933	0.404	3	1.867	0.643	3	5.300	1.400
COND	P95	umhos	124.000	26.458	3	101.000	9.539	3	106.333	10.970	3	143.000	28.688	3	176.000	90.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 08B130 Name: ISSAQUAH CR NR ISSAQUAH Class: A Elevation: 45 River Mile: 33.60

Location:
LOCATED ONE MILE NORTH OF ISSAQUAH ON SE 56TH AT BRIDGE OVER ISSAQUAH CREEK

Water Years Sampled:

5	6						7										8										9					
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
						X	X	X		X	X	X			X		X																X	

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	7.433	2.669	3	6.367	1.012	3	11.533	1.779	3	15.767	0.643	3	16.500	4.600
PRESS	P25	mmHg	767.067	5.278	3	765.900	8.150	3	763.100	3.610	3	766.567	1.419	3	775.200	759.000
OXYGEN	P300	mg/L	11.633	1.168	3	12.200	0.436	3	11.000	0.361	3	11.033	0.635	3	12.900	10.300
PCTSAT	P301	%	95.333	3.101	3	98.000	5.367	3	100.200	6.465	3	109.567	7.295	3	115.100	92.200
FC	P31616	#/100ml	62.333	37.634	3	72.000	35.763	3	137.333	73.901	3	270.000	43.589	3	320.000	20.000
PH	P400	units	7.633	0.058	3	7.500	0.141	2	7.633	0.208	3	8.150	0.354	2	8.400	7.400
SUSSOL	P530	mg/L	5.333	1.528	3	11.667	4.509	3	5.667	2.082	3	5.000	1.732	3	16.000	4.000
TPN	P600	mg/L	1.277	0.459	3	2.047	0.214	3	1.053	0.238	3	0.752	0.120	3	2.170	0.613
NH3_N	P610	mg/L	0.063	0.018	3	0.012	0.003	3	0.012	0.003	3	0.012	0.003	3	0.084	0.010K
NO2_NO3	P630	mg/L	1.085	0.489	3	1.693	0.235	3	1.027	0.335	3	0.636	0.116	3	1.950	0.503
TP_P	P665	mg/L	0.033	0.013	3	0.019	0.004	3	0.021	0.009	3	0.022	0.005	3	0.047	0.014
OP_DIS	P671	mg/L	0.020	0.007	3	0.011	0.001	3	0.014	0.006	3	0.012	0.002	3	0.025	0.010K
TURB	P82079	NTU	2.000	0.656	3	4.467	1.747	3	2.500	0.755	3	1.767	0.808	3	6.400	1.300
COND	P95	umhos	135.000	34.828	3	90.667	4.509	3	104.000	12.288	3	137.000	5.568	3	174.000	86.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 08C070 Name: CEDAR R @ LOGAN ST/RENTON Class: A Elevation: 15 River Mile: 1.00

Location:
LOCATED AT THE BRIDGE ON LOGAN STREET IN RENTON ADJACENT TO THE SOUTHEAST CORNER OF THE RENTON AIRPORT

Water Years Sampled:

5	6						7								8														9					
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
X	X	X	X	X	X	X	X					X		X			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	8.317	2.143	18	6.489	1.377	18	11.000	1.867	18	14.200	1.674	18	17.300	3.100
PRESS	P25	mmHg	763.428	8.072	18	766.922	8.116	18	766.150	4.867	18	766.594	3.748	17	777.200	745.000
OXYGEN	P300	mg/L	11.733	0.694	18	12.306	0.444	18	11.533	0.498	18	11.011	0.559	18	13.400	10.000
PCTSAT	P301	%	98.939	4.093	18	98.911	3.311	18	103.094	5.079	17	105.759	4.810	17	113.700	91.100
FC	P31616	#/100ml	59.375	104.023	16	43.176	80.178	17	87.056	204.802	18	159.111	139.865	18	900.000	1.000
PH	P400	units	7.556	0.239	16	7.471	0.320	17	7.569	0.199	16	7.688	0.245	17	26.000	26.000
SUSSOL	P530	mg/L	11.944	12.312	18	21.667	49.939	18	6.389	6.921	18	9.689	16.313	18	213.000	1.000
FLOW	P60	CFS	668.111	408.642	18	891.111	764.610	18	532.833	260.007	18	190.444	65.966	18	3570.000	129.000
TPN	P600	mg/L	0.340	0.131	3	0.582	0.166	3	0.211	0.056	3	0.211	0.013	3	0.756	0.157
NH3_N	P610	mg/L	0.028	0.023	17	0.013	0.006	18	0.012	0.003	18	0.012	0.004	16	0.100	0.008
NO2_DIS	P613	mg/L	0.009	0.002	15	0.010	0.000	15	0.010	0.000	15	0.009	0.002	15	0.011	0.002K
NO2_N	P615	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.010K
NH3_UN	P619	mg/L	0.000	0.000	11	0.000	0.000	12	0.000	0.000	12	0.000	0.001	9	0.001	0.000
NO3_N	P620	mg/L	0.310	0.161	3	0.360	0.095	3	0.143	0.040	3	0.153	0.061	3	0.480	0.100
NO2_NO3	P630	mg/L	0.343	0.121	17	0.412	0.107	18	0.220	0.058	18	0.184	0.035	17	0.643	0.117
TP_P	P665	mg/L	0.020	0.010	15	0.025	0.025	18	0.014	0.006	18	0.016	0.008	17	0.110	0.006
OP_DIS	P671	mg/L	0.012	0.005	18	0.010	0.001	18	0.010	0.000	18	0.010	0.001	18	0.030	0.005K
COLOR	P80	Pt-Co	16.500	12.342	4	29.333	32.716	3	8.667	10.786	3	11.333	15.373	3	67.000	1.000
TURB	P82079	NTU	2.211	1.650	18	5.411	9.392	18	1.867	2.626	18	1.544	1.485	18	37.500	0.400
HARD	P900	mg/L	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	26.000	26.000
COND	P95	umhos	67.333	14.809	18	64.056	9.321	18	66.889	8.429	18	85.944	7.833	18	110.000	42.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 08C080 Name: CEDAR R @ MAPLEWOOD Class: A Elevation: 100 River Mile: 4.10

Location:
Highway 169 Bridge across Cedar River in Maplewood (not the bridge in Maple Valley).

Water Years Sampled:
5 6 7 8 9
9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	7.667	2.641	3	6.067	0.950	3	10.367	2.747	3	14.433	0.462	3	14.700	4.800
PRESS	P25	mmHg	766.933	5.710	3	764.433	9.092	3	763.033	3.573	3	766.333	1.537	3	774.700	757.400
OXYGEN	P300	mg/L	11.900	0.781	3	12.000	0.265	3	11.433	0.208	3	10.667	0.351	3	12.800	10.300
PCTSAT	P301	%	98.233	1.106	3	95.767	0.635	3	101.367	5.977	3	102.967	2.515	3	105.400	94.500
FC	P31616	#/100ml	24.667	18.448	3	16.333	8.021	3	49.000	35.511	3	87.333	8.083	3	92.000	8.000
PH	P400	units	7.500	0.173	3	7.400	0.141	2	7.467	0.231	3	7.350	0.636	2	7.800	6.900
SUSSOL	P530	mg/L	1.667	0.577	3	5.333	2.517	3	3.000	1.000	3	2.667	0.577	3	8.000	1.000
FLOW	P60	CFS	810.333	744.598	3	524.000	260.501	3	522.000	297.913	3	210.000	36.056	3	1670.000	180.000
TPN	P600	mg/L	0.312	0.130	3	0.522	0.201	3	0.205	0.056	3	0.215	0.038	3	0.752	0.147
NH3_N	P610	mg/L	0.013	0.004	3	0.011	0.001	3	0.010	0.000	3	0.010	0.000	3	0.018	0.010K
NO2_NO3	P630	mg/L	0.256	0.128	3	0.434	0.168	3	0.214	0.027	3	0.157	0.026	3	0.626	0.135
TP_P	P665	mg/L	0.011	0.001	3	0.012	0.002	3	0.010	0.000	3	0.011	0.002	3	0.013	0.010K
OP_DIS	P671	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.010K
TURB	P82079	NTU	0.800	0.173	3	1.767	0.651	3	1.067	0.252	3	0.800	0.265	3	2.400	0.500
COND	P95	umhos	71.000	12.166	3	59.000	10.817	3	61.000	13.000	3	82.667	7.095	3	89.000	46.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 08C090 Name: CEDAR R @ MAPLE VALLEY Class: A Elevation: 325 River Mile: 14.50

Location:
STATION LOCATED ON THE CEDAR RIVER ON THE HIGHWAY 169 BRIDGE AT MAPLE VALLEY

Water Years Sampled:

5	6						7								8								9					
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
														X																					X		

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	7.700	2.364	3	5.833	1.002	3	9.533	2.369	3	12.833	0.404	3	13.200	4.800
PRESS	P25	mmHg	760.133	6.311	3	757.833	8.937	3	756.600	4.423	3	760.000	1.732	3	768.100	751.600
OXYGEN	P300	mg/L	11.733	0.850	3	12.067	0.231	3	11.367	0.252	3	10.867	0.321	3	12.700	10.500
PCTSAT	P301	%	97.833	1.137	3	96.600	0.954	3	99.667	4.409	3	102.200	2.193	3	103.800	94.900
FC	P31616	#/100ml	6.667	3.512	3	7.000	4.359	3	12.333	12.702	3	16.000	7.000	3	27.000	3.000
PH	P400	units	7.700	0.265	3	7.550	0.071	2	7.533	0.208	3	7.350	0.636	2	8.000	6.900
SUSSOL	P530	mg/L	1.000	0.000	3	3.000	1.732	3	2.000	1.000	3	1.333	0.577	3	4.000	1.000K
FLOW	P60	CFS	322.500	10.607	2	556.667	196.554	3	468.333	185.236	3	185.000	27.839	3	682.000	155.000
TPN	P600	mg/L	0.241	0.058	3	0.380	0.078	3	0.183	0.047	3	0.193	0.014	3	0.453	0.131
NH3_N	P610	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.010K
NO2_NO3	P630	mg/L	0.207	0.074	3	0.313	0.077	3	0.200	0.013	3	0.167	0.022	3	0.401	0.150
TP_P	P665	mg/L	0.013	0.003	3	0.010	0.001	3	0.010	0.000	3	0.010	0.000	3	0.016	0.010K
OP_DIS	P671	mg/L	0.010	0.000	3	0.010	0.000	3	0.011	0.002	3	0.010	0.000	3	0.013	0.010K
TURB	P82079	NTU	0.467	0.058	3	1.033	0.289	3	0.633	0.231	3	0.533	0.058	3	1.200	0.400
COND	P95	umhos	63.000	12.288	3	51.000	8.888	3	55.000	12.166	3	71.667	4.933	3	77.000	41.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 08C110 Name: CEDAR R NR LANDSBURG Class: AA Elevation: 616 River Mile: 25.10

Location:
STATION LOCATED ON THE CEDAR RIVER 1 MILE SOUTH OF WALSH LAKE AND 2.25 MILES NORTHEAST OF LANDSBURG AT THE TRUDE ROAD CROSSING

Water Years Sampled:

5	6						7										8										9					
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
X	X	X	X											X				X	X	X	X	X	X	X	X	X	X	X			X	X					

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	7.500	1.570	12	5.773	0.926	11	8.964	1.549	11	11.250	0.718	12	13.000	4.100
PRESS	P25	mmHg	754.808	10.596	12	749.964	6.233	11	747.364	5.728	11	747.958	5.552	12	785.000	736.600
OXYGEN	P300	mg/L	11.917	0.622	12	12.136	0.388	11	11.218	0.389	11	10.675	0.256	12	13.200	10.100
PCTSAT	P301	%	99.758	4.205	12	98.018	2.839	11	97.990	2.285	10	98.709	1.166	11	109.800	93.800
FC	P31616	#/100ml	4.083	3.848	12	1.889	1.269	9	4.000	4.980	11	8.417	8.857	12	35.000	1.000K
COD	P340	mg/L	6.000	2.530	6	6.750	2.500	4	6.000	1.826	4	6.800	2.490	5	11.000	4.000U
PH	P400	units	7.560	0.331	10	7.470	0.455	10	7.311	0.220	9	7.400	0.307	11	8.400	6.700
SUSSOL	P530	mg/L	4.833	4.448	12	2.545	1.368	11	1.818	0.874	11	2.150	1.995	12	16.000	1.000K
FLOW	P60	CFS	836.917	508.894	12	944.545	398.139	11	752.455	290.208	11	348.417	56.703	12	1740.000	236.000
TPN	P600	mg/L	0.193	0.025	3	0.270	0.036	3	0.142	0.052	3	0.187	0.009	3	0.295	0.090
NH3_N	P610	mg/L	0.010	0.000	12	0.010	0.002	11	0.010	0.001	11	0.013	0.009	11	0.040	0.005K
NO2_DIS	P613	mg/L	0.009	0.003	9	0.010	0.000	8	0.010	0.000	8	0.009	0.003	9	0.010	0.002K
NO2_N	P615	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.010K
NH3_UN	P619	mg/L	0.000	0.000	10	0.000	0.000	11	0.000	0.000	12	0.000	0.000	9	0.001	0.000
NO3_N	P620	mg/L	0.200	0.071	2	0.093	0.038	3	0.113	0.015	3	0.147	0.032	3	0.250	0.050
NO2_NO3	P630	mg/L	0.211	0.116	12	0.187	0.028	11	0.143	0.020	11	0.151	0.022	12	0.560	0.110
TP_P	P665	mg/L	0.011	0.004	10	0.024	0.027	11	0.010	0.001	11	0.010	0.003	12	0.100	0.005J
OP_DIS	P671	mg/L	0.010	0.001	12	0.010	0.001	11	0.010	0.000	11	0.010	0.001	12	0.013	0.005J
COLOR	P80	Pt-Co	8.333	4.509	3	4.000	0.000	3	8.667	8.021	3	7.857	8.435	7	17.000	1.000
TURB	P82079	NTU	1.517	1.794	12	1.500	0.811	11	0.945	0.411	11	1.000	0.795	12	6.000	0.300
COND	P95	umhos	55.500	17.723	12	51.727	15.963	11	53.818	7.692	11	66.833	5.340	12	96.000	38.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 08K090 Name: SHIP CANAL @ FREEMONT Class: LC Elevation: 0 River Mile: 0.00

Location:

Water Years Sampled:

5 6 7 8 9
9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	10.233	4.366	3	6.600	0.500	3	14.533	4.203	3	21.233	1.290	3	22.300	6.100
PRESS	P25	mmHg	770.400	5.738	3	764.367	4.790	3	766.600	0.866	3	765.800	3.703	3	774.200	760.200
OXYGEN	P300	mg/L	8.967	0.666	3	10.967	0.874	3	11.000	1.825	3	8.233	0.404	3	13.100	7.800
PCTSAT	P301	%	78.133	2.714	3	88.767	7.275	3	105.433	8.034	3	91.233	6.673	3	114.500	75.000
FC	P31616	#/100ml	24.333	6.658	3	25.000	4.359	3	33.667	46.231	3	16.667	14.189	3	87.000	4.000
PH	P400	units	7.533	0.115	3	7.200	0.283	2	8.100	0.866	3	7.350	0.071	2	8.600	7.000
SUSSOL	P530	mg/L	1.667	0.577	3	2.667	0.577	3	3.000	1.000	3	1.000	0.000	3	4.000	1.000K
TPN	P600	mg/L	0.267	0.041	3	0.333	0.037	3	0.120	0.095	3	0.181	0.033	3	0.367	0.017
NH3_N	P610	mg/L	0.033	0.012	3	0.013	0.003	3	0.010	0.000	3	0.014	0.007	3	0.041	0.010K
NO2_NO3	P630	mg/L	0.066	0.073	3	0.181	0.014	3	0.020	0.017	3	0.010	0.000	3	0.191	0.010K
TP_P	P665	mg/L	0.013	0.002	3	0.013	0.004	3	0.011	0.001	3	0.023	0.021	3	0.047	0.010K
OP_DIS	P671	mg/L	0.010	0.000	3	0.011	0.001	3	0.010	0.000	3	0.010	0.000	3	0.012	0.010K
TURB	P82079	NTU	1.333	0.929	3	0.900	0.265	3	1.200	0.200	3	0.533	0.058	3	2.400	0.500
COND	P95	umhos	128.000	30.050	3	97.333	2.517	3	95.333	8.083	3	141.333	52.291	3	199.000	86.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 09A080 Name: GREEN R @ TUKWILA Class: A Elevation: 4 River Mile: 12.40

Location:
LOCATED AT THE INTERSECTION ON INTERURBAN AVENUE AT I-405 AND SOUTHCENTER BLVD

Water Years Sampled:
5 6 7 8 9
9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
X X X X X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	7.990	3.028	10	5.642	1.885	12	12.842	2.365	12	17.283	2.428	12	20.800	2.200
ZN	P1094	ug/L	6.500	0.707	2	9.333	10.116	3	8.333	4.509	3	4.000	0.000	2	21.000	3.000V
CD	P1113	ug/L	0.120	0.028	2	0.107	0.012	3	0.100	0.000	3	0.100	0.000	2	0.140	0.100K
PB	P1114	ug/L	1.000	0.000	2	2.200	1.908	3	1.100	0.173	3	1.000	0.000	2	4.400	1.000K
CR	P1118	ug/L	0.980	0.028	2	4.440	6.898	3	0.490	0.096	3	0.425	0.177	2	12.400	0.200K
CU	P1119	ug/L	2.500	0.707	2	9.633	6.615	3	3.533	0.924	3	3.000	0.000	2	17.000	2.000V
PRESS	P25	mmHg	765.370	6.106	10	764.600	7.606	12	766.925	4.286	12	764.800	3.566	11	774.700	752.900
OXYGEN	P300	mg/L	11.150	1.308	10	11.833	0.510	12	9.675	0.529	12	8.850	0.935	12	13.200	7.500
PCTSAT	P301	%	92.580	5.581	10	93.317	2.392	12	90.092	4.646	12	90.683	8.172	12	111.200	81.000
FC	P31616	#/100ml	166.600	159.520	10	228.083	271.202	12	52.000	35.609	12	232.833	311.104	12	1200.000	3.000
PH	P400	units	7.380	0.187	10	7.264	0.266	11	7.333	0.215	12	7.318	0.204	11	7.800	6.800
SUSSOL	P530	mg/L	26.200	31.033	10	42.167	90.079	12	12.167	5.441	12	13.750	6.757	12	326.000	3.000
FLOW	P60	CFS	1236.333	1048.246	9	1525.444	799.637	9	904.333	376.137	9	389.556	243.857	9	3420.000	220.000
TPN	P600	mg/L	0.536	0.102	3	0.696	0.177	3	0.379	0.105	3	0.448	0.040	3	0.811	0.260
NH3_N	P610	mg/L	0.040	0.031	10	0.033	0.013	12	0.023	0.013	12	0.030	0.013	11	0.120	0.010K
NO2_DIS	P613	mg/L	0.010	0.000	7	0.010	0.001	9	0.010	0.000	9	0.010	0.000	9	0.014	0.010K
NO2_NO3	P630	mg/L	0.368	0.092	10	0.461	0.115	12	0.344	0.098	12	0.301	0.063	11	0.621	0.176
TP_P	P665	mg/L	0.048	0.034	10	0.045	0.023	12	0.032	0.012	12	0.050	0.015	11	0.135	0.014
OP_DIS	P671	mg/L	0.014	0.004	10	0.018	0.008	12	0.015	0.005	12	0.019	0.005	12	0.031	0.005K
HG	P71900	ug/L	0.045	0.007	2	0.040	0.000	2	0.093	0.092	3	0.000	0.000	0	0.200	0.040K
TURB	P82079	NTU	6.550	6.522	10	12.492	26.089	12	2.717	1.283	12	3.342	0.973	12	94.500	1.400
HARD	P900	mg/L	33.500	16.263	2	22.667	6.658	3	32.667	3.215	3	55.667	5.508	3	62.000	15.000
COND	P95	umhos	79.100	25.714	10	72.250	19.531	12	98.500	23.655	12	136.583	22.948	12	162.000	38.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 09A090 Name: GREEN R @ 212TH ST NR KENT

Class: A Elevation: 20 River Mile: 18.30

Location:
LOCATED AT THE O'BRIAN ROAD BRIDGE ON 212TH STREET, TWO MILES NORTHWEST OF KENT

Water Years Sampled:

5 6							7								8								9					
9 0 1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
										X				X	X				X	X	X	X	X	X	X	X	X	X				X			

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	7.408	2.507	12	6.075	1.166	12	11.642	2.581	12	17.275	2.028	12	20.000	3.800
ZN	P1094	ug/L	6.556	2.833	9	11.556	10.655	9	6.111	2.848	9	5.625	2.200	8	33.000	2.000K
CD	P1113	ug/L	0.156	0.053	9	0.169	0.047	9	0.119	0.038	9	0.119	0.037	8	0.200	0.100K
PB	P1114	ug/L	1.078	0.199	9	2.233	2.203	9	1.178	0.277	9	1.171	0.298	7	7.300	1.000K
CR	P1118	ug/L	0.693	0.461	9	1.762	3.327	9	0.819	0.521	9	0.536	0.348	8	10.600	0.200K
CU	P1119	ug/L	3.500	2.131	9	6.033	5.112	9	2.811	1.071	9	3.750	1.035	8	18.000	2.000K
PRESS	P25	mmHg	764.308	9.662	12	767.308	7.477	12	764.283	4.887	12	765.600	3.062	12	776.700	745.000
OXYGEN	P300	mg/L	11.391	1.042	11	11.792	0.342	12	10.167	0.730	12	8.692	0.520	12	13.400	8.000
PCTSAT	P301	%	93.618	4.655	11	93.775	2.864	12	92.018	3.602	11	88.936	5.035	11	105.800	81.900
FC	P31616	#/100ml	112.818	118.109	11	288.182	298.169	11	163.083	243.548	12	211.667	380.443	12	1400.000	11.000
PH	P400	units	7.411	0.190	9	7.309	0.221	11	7.280	0.132	10	7.355	0.181	11	7.800	7.000
SUSSOL	P530	mg/L	18.545	16.949	11	44.167	85.863	12	14.667	13.173	12	8.900	5.384	12	314.000	3.000
FLOW	P60	CFS	1808.083	1281.693	12	2969.727	2524.449	11	1456.000	1027.226	12	294.750	59.769	12	10100.000	197.000
TPN	P600	mg/L	0.484	0.102	3	0.699	0.181	3	0.376	0.116	3	0.398	0.064	3	0.837	0.242
NH3_N	P610	mg/L	0.044	0.024	11	0.050	0.029	12	0.025	0.020	11	0.050	0.065	11	0.240	0.010K
NO2_DIS	P613	mg/L	0.009	0.003	9	0.010	0.001	9	0.010	0.000	9	0.009	0.002	9	0.014	0.002K
NO2_N	P615	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.010K
NH3_UN	P619	mg/L	0.000	0.000	11	0.000	0.000	12	0.000	0.000	12	0.000	0.001	9	0.001	0.000
NO3_N	P620	mg/L	0.390	0.166	3	0.547	0.159	3	0.347	0.078	3	0.323	0.012	3	0.730	0.260
NO2_NO3	P630	mg/L	0.404	0.092	12	0.498	0.146	12	0.309	0.097	12	0.335	0.077	12	0.770	0.120
TP_P	P665	mg/L	0.035	0.015	10	0.074	0.067	12	0.032	0.009	12	0.047	0.013	11	0.260	0.014
OP_DIS	P671	mg/L	0.019	0.006	12	0.024	0.010	12	0.014	0.006	12	0.020	0.004	11	0.040	0.009
HG	P71900	ug/L	0.065	0.026	8	0.041	0.019	8	0.055	0.039	9	0.057	0.018	6	0.150	0.020K
COLOR	P80	Pt-Co	31.500	21.749	4	29.667	36.679	3	7.333	8.505	3	2.000	1.732	3	71.000	1.000
TURB	P82079	NTU	3.425	2.656	12	12.575	26.327	12	3.850	3.920	12	2.425	0.723	12	96.000	1.000
HARD	P900	mg/L	27.222	9.257	9	26.111	8.638	9	28.222	7.446	9	45.889	3.296	9	52.000	15.000
COND	P95	umhos	93.182	46.071	11	72.667	16.604	12	85.583	21.572	12	145.750	37.695	12	235.000	41.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 09A130 Name: GREEN ABV BIG SOOS/AUBURN Class: A Elevation: 75 River Mile: 33.90

Location:
LOCATED .1 MILE UPSTREAM FROM BIG SOOS CREEK AT THE BRIDGE ON THE AUBURN-BLACK DIAMOND ROAD (SOUTHEAST 336TH STREET), 1.8 MILES EAST OF AUBURN

Water Years Sampled:

5	6						7								8									9					
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
X	X	X	X	X	X	X	X	X	X	X	X																									X	

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	7.500	3.045	3	5.233	0.551	3	12.867	1.762	3	17.467	1.650	3	19.100	4.700
PRESS	P25	mmHg	767.933	5.645	3	762.700	5.565	3	762.167	1.405	3	762.100	2.987	3	772.700	758.700
OXYGEN	P300	mg/L	12.200	0.755	3	12.467	0.231	3	11.267	0.416	3	10.167	0.306	3	13.000	9.900
PCTSAT	P301	%	100.167	1.686	3	97.667	1.290	3	105.667	2.108	3	105.033	1.021	3	108.100	96.600
FC	P31616	#/100ml	8.333	2.517	3	63.333	84.878	3	15.000	13.115	3	16.000	5.568	3	160.000	1.000K
PH	P400	units	7.600	0.100	3	7.800	0.141	2	7.867	0.058	3	7.750	0.071	2	7.900	7.500
SUSSOL	P530	mg/L	1.667	0.577	3	6.667	2.517	3	3.667	0.577	3	3.000	1.732	3	9.000	1.000
FLOW	P60	CFS	539.333	169.898	3	1683.333	455.009	3	939.333	354.798	3	280.667	36.226	3	2140.000	247.000
TPN	P600	mg/L	0.353	0.133	3	0.591	0.226	3	0.232	0.062	3	0.295	0.040	3	0.831	0.164
NH3_N	P610	mg/L	0.010	0.001	3	0.017	0.008	3	0.012	0.003	3	0.010	0.000	3	0.026	0.010K
NO2_NO3	P630	mg/L	0.281	0.148	3	0.442	0.165	3	0.238	0.108	3	0.225	0.040	3	0.629	0.127
TP_P	P665	mg/L	0.012	0.003	3	0.024	0.019	3	0.011	0.001	3	0.010	0.001	3	0.045	0.010K
OP_DIS	P671	mg/L	0.010	0.000	3	0.016	0.010	3	0.010	0.000	2	0.010	0.000	3	0.027	0.010K
TURB	P82079	NTU	0.900	0.173	3	3.000	1.389	3	1.233	0.252	3	0.833	0.153	3	3.900	0.700
COND	P95	umhos	67.000	4.243	2	59.333	9.292	3	58.000	12.767	3	79.000	2.000	3	81.000	47.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 09A190 Name: GREEN R @ KANASKAT Class: AA Elevation: 775 River Mile: 57.60

Location:
LOCATED AT THE CUMBERLAND-PALMER ROAD BRIDGE AT KANASKAT, 1.1 MILES
ABOVE THE FISH HATCHERY AND 4.5 MILES BELOW THE GAGE NEAR BEAR CREEK

Water Years Sampled:

5 6	7	8	9
9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6			
X X X		X	X X X X X X X X X X X X X X X X X X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	7.350	2.720	18	4.383	1.631	18	9.256	1.791	18	14.189	1.082	18	16.100	1.700
PRESS	P25	mmHg	746.772	10.738	18	743.406	5.517	18	744.144	8.302	18	744.076	4.040	17	785.000	731.500
OXYGEN	P300	mg/L	11.817	1.016	18	12.561	0.636	18	11.233	0.606	18	9.933	0.287	18	13.600	9.300
PCTSAT	P301	%	99.289	4.299	18	98.678	3.570	18	99.182	3.396	17	98.112	1.528	17	110.200	91.300
FC	P31616	#/100ml	19.278	30.304	18	3.125	3.096	16	10.556	20.774	18	19.833	27.307	18	130.000	1.000K
PH	P400	units	7.438	0.562	16	7.553	0.508	17	7.353	0.402	17	7.224	0.361	17	8.500	6.300
SUSSOL	P530	mg/L	11.611	23.625	18	2.833	1.790	18	2.500	1.886	18	2.233	1.124	18	100.000	1.000K
FLOW	P60	CFS	1509.944	1675.966	18	1016.778	559.480	18	1041.222	745.861	18	178.667	66.199	18	6100.000	124.000
TPN	P600	mg/L	0.187	0.105	3	0.258	0.037	3	0.099	0.037	3	0.258	0.229	3	0.522	0.057
NH3_N	P610	mg/L	0.011	0.003	18	0.011	0.004	18	0.012	0.002	18	0.017	0.010	17	0.050	0.006
NO2_DIS	P613	mg/L	0.009	0.002	15	0.010	0.000	14	0.010	0.000	15	0.009	0.002	15	0.010	0.002K
NO2_N	P615	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.010K
NH3_UN	P619	mg/L	0.000	0.000	9	0.000	0.000	11	0.000	0.000	12	0.000	0.000	9	0.001	0.000
NO3_N	P620	mg/L	0.165	0.064	2	0.073	0.065	3	0.047	0.012	3	0.037	0.012	3	0.210	0.010K
NO2_NO3	P630	mg/L	0.160	0.081	18	0.163	0.044	18	0.064	0.033	18	0.056	0.013	17	0.296	0.026
TP_P	P665	mg/L	0.017	0.007	16	0.020	0.022	17	0.013	0.004	18	0.010	0.001	17	0.100	0.009J
OP_DIS	P671	mg/L	0.011	0.005	18	0.010	0.002	17	0.010	0.000	18	0.010	0.002	18	0.030	0.003J
COLOR	P80	Pt-Co	9.667	2.887	3	6.667	2.309	3	15.667	4.619	3	12.143	8.611	7	29.000	1.000
TURB	P82079	NTU	3.522	6.032	18	1.589	0.942	18	1.650	1.677	18	1.594	2.392	18	26.000	0.200
COND	P95	umhos	52.778	24.551	18	42.000	5.931	18	42.000	7.428	18	59.889	14.668	18	140.000	30.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 09B090 Name: BIG SOOS CR NR AUBURN Class: A Elevation: 75 River Mile: 1.60

Location:
LOCATED AT THE PRIVATE ROAD (312TH PLACE) BRIDGE, .9 MILES UPSTREAM OF THE STATE FISH HATCHERY

Water Years Sampled:

5 6	7	8	9
9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6			
X X X X	X X		X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	7.167	2.750	3	6.033	0.416	3	13.700	1.500	3	16.667	2.344	3	18.400	4.400
PRESS	P25	mmHg	768.700	6.001	3	762.667	5.670	3	761.567	1.692	3	761.467	4.025	3	774.200	756.900
OXYGEN	P300	mg/L	11.933	0.839	3	12.033	0.252	3	10.600	0.265	3	10.833	0.208	3	12.900	10.300
PCTSAT	P301	%	97.100	2.227	3	96.200	1.706	3	101.367	1.922	3	110.300	4.613	3	114.700	94.300
FC	P31616	#/100ml	16.000	6.557	3	77.667	114.605	3	35.667	26.633	3	81.333	61.093	3	210.000	9.000
PH	P400	units	7.700	0.173	3	7.950	0.212	2	7.867	0.231	3	7.950	0.071	2	8.100	7.600
SUSSOL	P530	mg/L	3.000	1.000	3	7.000	4.359	3	3.667	0.577	3	3.000	1.000	3	12.000	2.000
FLOW	P60	CFS	40.333	15.695	3	147.667	60.880	3	72.333	33.292	3	24.667	3.786	3	198.000	22.000
TPN	P600	mg/L	1.076	0.132	3	1.477	0.188	3	1.220	0.257	3	1.054	0.101	3	1.590	0.959
NH3_N	P610	mg/L	0.012	0.002	3	0.015	0.006	3	0.011	0.001	3	0.010	0.000	3	0.021	0.010K
NO2_NO3	P630	mg/L	0.982	0.176	3	1.243	0.112	3	1.060	0.053	3	0.947	0.055	3	1.340	0.842
TP_P	P665	mg/L	0.025	0.005	3	0.022	0.006	3	0.015	0.001	3	0.020	0.007	3	0.029	0.012
OP_DIS	P671	mg/L	0.019	0.001	3	0.014	0.004	3	0.011	0.001	2	0.015	0.004	3	0.019	0.010K
TURB	P82079	NTU	1.033	0.321	3	2.800	1.836	3	1.433	0.289	3	0.933	0.115	3	4.900	0.800
COND	P95	umhos	122.000	2.828	2	118.000	9.165	3	120.333	12.423	3	129.000	6.245	3	136.000	106.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 09C070 Name: DES MOINES CR NR MOUTH

Class: A Elevation: 15 River Mile: 0.10

Location:
LOCATED AT THE BRIDGE IN COVENANT BEACH BIBLE CAMP IN DES MOINES

Water Years Sampled:

5	6						7								8									9					
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
													X																					X			

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	8.033	2.403	3	7.067	0.208	3	13.333	1.350	3	16.067	0.635	3	16.800	5.700
PRESS	P25	mmHg	770.200	5.069	3	764.933	5.343	3	764.533	1.550	3	764.533	3.101	3	774.200	761.000
OXYGEN	P300	mg/L	11.467	0.666	3	11.900	0.400	3	10.533	0.945	3	9.733	0.306	3	12.300	9.400
PCTSAT	P301	%	95.133	0.764	3	97.367	3.842	3	99.433	6.306	3	97.533	1.626	3	106.700	94.100
FC	P31616	#/100ml	36.333	21.362	3	51.000	51.971	3	60.333	39.501	3	234.667	215.836	3	480.000	12.000
PH	P400	units	7.933	0.115	3	8.100	0.141	2	8.100	0.436	3	7.950	0.071	2	8.400	7.600
SUSSOL	P530	mg/L	2.000	1.000	3	3.667	1.528	3	2.000	0.000	3	3.333	4.041	3	8.000	1.000K
TPN	P600	mg/L	1.068	0.166	3	1.230	0.128	3	0.797	0.019	3	0.991	0.208	3	1.370	0.777
NH3_N	P610	mg/L	0.031	0.036	3	0.028	0.016	3	0.012	0.003	3	0.010	0.000	3	0.073	0.010K
NO2_NO3	P630	mg/L	0.860	0.085	3	0.912	0.084	3	0.710	0.074	3	0.886	0.187	3	1.100	0.626
TP_P	P665	mg/L	0.047	0.004	3	0.036	0.005	3	0.042	0.017	3	0.066	0.025	3	0.084	0.030
OP_DIS	P671	mg/L	0.039	0.008	3	0.025	0.012	3	0.044	0.028	3	0.064	0.003	3	0.066	0.012
TURB	P82079	NTU	0.900	0.346	3	2.467	1.305	3	1.267	0.306	3	1.167	0.723	3	3.700	0.700
COND	P95	umhos	206.000	12.728	2	185.667	31.182	3	203.333	11.930	3	232.000	6.928	3	236.000	162.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 09E070 Name: MILL CREEK @ ORILLIA Class: A Elevation: 12 River Mile: 3.14

Location:
LOCATED AT THE RAILROAD TRESTLE ON THE SOUTHEAST CORNER OF ORILLIA NEAR SOUTH 183RD STREET AND NEAR THE CONFLUENCE WITH SPRING BROOK CREEK

Water Years Sampled:

5 6	7	8	9
9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6			
			X X X X X X X X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	8.511	3.111	9	7.378	1.719	9	15.133	2.367	9	17.533	2.531	6	20.200	4.300
ZN	P1094	ug/L	109.333	17.500	6	108.667	26.800	6	189.667	207.009	6	47.000	5.568	3	607.000	41.000V
CD	P1113	ug/L	0.860	0.595	6	0.853	0.409	6	1.136	0.508	5	0.550	0.106	3	2.000	0.200U
PB	P1114	ug/L	4.900	3.022	5	4.833	4.164	6	12.633	21.851	6	3.267	1.124	3	56.500	1.000K
CR	P1118	ug/L	2.453	1.734	6	2.052	0.622	6	3.018	1.742	5	1.660	0.359	3	5.840	0.980
CU	P1119	ug/L	7.683	4.334	6	9.017	5.041	6	14.433	17.712	6	4.867	1.501	3	46.500	2.000K
PRESS	P25	mmHg	765.667	10.431	9	768.967	6.697	9	763.889	3.294	9	765.217	3.808	6	777.200	744.000
OXYGEN	P300	mg/L	5.425	1.135	8	6.700	1.589	9	3.356	0.921	9	2.433	0.809	6	8.500	1.500
PCTSAT	P301	%	45.400	7.051	8	54.644	12.051	9	31.850	8.545	8	23.220	7.517	5	70.000	15.700
FC	P31616	#/100ml	556.889	1148.008	9	159.000	175.791	9	495.889	907.236	9	364.667	327.570	6	3600.000	17.000
COD	P340	mg/L	33.200	23.414	5	26.400	2.702	5	43.750	29.182	4	24.000	5.657	2	87.000	20.000
PH	P400	units	7.171	0.263	7	7.063	0.200	8	7.043	0.098	7	7.080	0.084	5	7.700	6.800
SUSSOL	P530	mg/L	19.750	15.276	8	12.889	7.390	9	16.125	18.879	8	6.833	4.309	6	62.000	2.000
FLOW	P60	CFS	23.850	37.429	6	23.571	16.810	7	7.313	6.944	8	2.000	1.192	6	100.000	1.100
TPN	P600	mg/L	1.350	0.141	3	1.111	0.303	3	1.185	0.401	3	0.780	0.032	3	1.630	0.749
NH3_N	P610	mg/L	0.332	0.206	8	0.357	0.180	9	0.603	0.376	7	0.361	0.398	6	1.100	0.029
NO2_DIS	P613	mg/L	0.028	0.013	6	0.012	0.004	6	0.032	0.024	6	0.040	0.014	2	0.080	0.010K
NO2_N	P615	mg/L	0.013	0.006	3	0.027	0.006	3	0.023	0.006	3	0.030	0.010	3	0.020	0.010
NH3_UN	P619	mg/L	0.001	0.001	11	0.001	0.001	12	0.003	0.001	12	0.006	0.006	8	0.019	0.000
NO3_N	P620	mg/L	0.923	0.306	3	0.733	0.060	3	0.757	0.064	3	0.617	0.042	3	1.100	0.570
NO2_NO3	P630	mg/L	0.495	0.132	9	0.470	0.085	9	0.407	0.312	9	0.370	0.131	6	1.000	0.070
TP_P	P665	mg/L	0.180	0.103	7	0.181	0.053	8	0.271	0.159	9	0.205	0.157	6	0.650	0.083
OP_DIS	P671	mg/L	0.073	0.031	9	0.053	0.023	9	0.041	0.009	9	0.038	0.026	6	0.130	0.018
HG	P71900	ug/L	0.100	0.042	6	0.042	0.020	6	0.068	0.042	5	0.060	0.000	2	0.170	0.020K
COLOR	P80	Pt-Co	226.000	127.791	4	234.667	239.636	3	51.667	43.155	3	131.000	153.268	3	500.000	1.000
TURB	P82079	NTU	14.656	7.129	9	18.222	4.868	9	26.111	7.913	9	19.333	10.289	6	39.000	1.900
HARD	P900	mg/L	58.000	19.058	6	70.000	24.429	6	81.167	22.463	6	89.000	17.692	3	107.000	28.000
COND	P95	umhos	194.750	62.142	8	206.778	81.806	9	280.778	62.568	9	274.833	49.910	6	390.000	82.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 09H090 Name: BLACK R @ RENTON Class: A Elevation: 13 River Mile: 0.60

Location:
Metro access road (North?) to Renton treatment plant.

Water Years Sampled:
5 6 7 8 9
9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	7.633	3.073	3	6.733	0.306	3	14.500	2.982	3	18.300	2.166	3	20.600	4.800
PRESS	P25	mmHg	770.633	5.558	3	764.933	4.989	3	765.900	0.656	3	765.433	3.233	3	774.700	761.200
OXYGEN	P300	mg/L	7.533	0.379	3	7.967	1.498	3	5.600	0.700	3	8.033	1.159	3	9.200	4.900
PCTSAT	P301	%	61.900	2.081	3	64.700	12.638	3	54.133	6.269	3	84.533	16.010	3	100.200	46.900
FC	P31616	#/100ml	356.667	166.533	3	253.333	85.049	3	166.667	77.675	3	590.000	359.305	3	1000.000	80.000
PH	P400	units	7.367	0.058	3	7.050	0.071	2	7.100	0.100	3	7.150	0.071	2	7.400	7.000
SUSSOL	P530	mg/L	11.000	4.359	3	14.000	4.583	3	4.333	0.577	3	10.000	6.245	3	18.000	4.000
TPN	P600	mg/L	1.103	0.162	3	1.108	0.210	3	0.923	0.144	3	0.596	0.077	3	1.350	0.508
NH3_N	P610	mg/L	0.208	0.121	3	0.209	0.134	3	0.190	0.134	3	0.036	0.017	3	0.363	0.016
NO2_NO3	P630	mg/L	0.618	0.095	3	0.564	0.019	3	0.392	0.057	3	0.286	0.089	3	0.716	0.201
TP_P	P665	mg/L	0.115	0.031	3	0.113	0.032	3	0.160	0.019	3	0.088	0.008	3	0.175	0.081
OP_DIS	P671	mg/L	0.039	0.013	3	0.039	0.014	3	0.042	0.018	3	0.015	0.004	3	0.060	0.011
TURB	P82079	NTU	10.967	3.050	3	19.333	5.686	3	17.333	4.933	3	12.333	0.577	3	24.000	7.900
COND	P95	umhos	306.500	67.175	2	201.333	85.237	3	292.000	11.533	3	325.333	6.028	3	354.000	120.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 10A070 Name: PUYALLUP R @ MERIDIAN ST Class: A Elevation: 30 River Mile: 8.30

Location:
LOCATED AT THE BRIDGE IMMEDIATELY NORTH OF PUYALLUP ON MERIDIAN STREET
(STATE HIGHWAY 161)

Water Years Sampled:

5	6						7							8										9						
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
												X				X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	6.472	2.705	18	5.750	1.873	18	11.633	2.216	18	13.894	1.372	18	16.100	2.000
CR	P1118	ug/L	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	5.000	0.000	2	3.000	3.000K
PRESS	P25	mmHg	768.822	5.858	18	766.828	6.468	18	764.039	4.484	18	764.083	3.713	18	781.300	753.900
OXYGEN	P300	mg/L	12.067	0.987	18	12.100	0.625	17	10.644	0.634	18	10.011	0.308	18	14.600	9.300
PCTSAT	P301	%	96.383	4.501	18	95.788	3.355	17	96.665	2.372	17	95.582	2.482	17	107.300	90.200
FC	P31616	#/100ml	250.353	352.526	17	221.333	350.715	18	499.444	821.606	18	305.889	378.451	18	3200.000	13.000
COD	P340	mg/L	8.000	1.897	6	7.833	3.251	6	9.200	6.140	5	6.500	2.082	4	19.000	4.000U
PH	P400	units	7.500	0.360	18	7.322	0.170	18	7.411	0.205	18	7.453	0.229	17	8.800	7.000
SUSSOL	P530	mg/L	79.111	139.299	18	85.944	187.624	18	51.000	105.576	18	189.167	153.393	18	704.000	3.000
FLOW	P60	CFS	3500.333	2804.519	18	4440.000	3217.048	18	3424.444	861.539	18	1950.000	697.837	18	13500.000	636.000
TPN	P600	mg/L	0.381	0.187	3	0.560	0.196	3	0.182	0.049	3	0.196	0.162	3	0.751	0.098J
NH3_N	P610	mg/L	0.037	0.022	18	0.034	0.017	18	0.024	0.011	18	0.026	0.011	18	0.100	0.010K
NO2_DIS	P613	mg/L	0.010	0.002	15	0.010	0.000	15	0.010	0.000	15	0.010	0.002	15	0.014	0.002
NO2_N	P615	mg/L	0.010	0.000	2	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.010K
NH3_UN	P619	mg/L	0.000	0.000	13	0.000	0.000	14	0.000	0.000	10	0.000	0.000	9	0.001	0.000
NO3_N	P620	mg/L	0.270	0.142	3	0.313	0.068	3	0.085	0.007	2	0.087	0.031	3	0.390	0.060
NO2_NO3	P630	mg/L	0.290	0.161	18	0.387	0.140	18	0.115	0.049	18	0.090	0.022	18	0.691	0.048
TP_P	P665	mg/L	0.076	0.058	18	0.073	0.070	17	0.047	0.036	18	0.156	0.088	18	0.380	0.010K
OP_DIS	P671	mg/L	0.019	0.009	18	0.019	0.008	17	0.014	0.006	18	0.022	0.007	18	0.050	0.010K
HG	P71900	ug/L	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	0.013	0.006	2	0.050	0.001P
COLOR	P80	Pt-Co	37.667	8.505	3	47.667	26.858	3	25.333	7.506	3	486.667	326.548	3	690.000	17.000
TURB	P82079	NTU	16.939	25.008	18	11.678	21.829	18	15.911	31.647	18	79.333	60.765	18	200.000	1.000
HARD	P900	mg/L	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	39.000	2.828	2	41.000	24.000E
COND	P95	umhos	70.222	16.819	18	70.167	10.517	18	60.389	6.792	18	71.778	16.700	18	1.000	1.000K

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 11A070 Name: NISQUALLY R @ NISQUALLY Class: A Elevation: 20 River Mile: 3.40

Location:
LOCATED AT THE BRIDGE ON OLD PACIFIC HIGHWAY, .4 MILES DOWNSTREAM FROM THE GAGE

Water Years Sampled:

5	6						7								8												9					
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
														X			X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	7.817	2.853	18	6.122	1.395	18	10.806	2.080	18	14.600	0.897	18	16.400	2.700
ZN	P1094	ug/L	10.444	13.020	9	4.667	1.118	9	4.556	1.130	9	5.375	3.701	8	43.000	2.000K
CD	P1113	ug/L	0.221	0.107	7	0.167	0.050	9	0.139	0.049	9	0.143	0.053	7	0.450	0.100K
PB	P1114	ug/L	2.329	3.385	7	1.125	0.219	8	1.156	0.467	9	1.029	0.076	7	10.000	1.000K
CR	P1118	ug/L	0.525	0.218	6	0.558	0.348	9	0.664	0.515	9	0.726	0.580	7	1.900	0.200V
CU	P1119	ug/L	3.583	1.636	6	3.267	1.105	9	3.622	1.654	9	3.771	0.706	7	6.500	2.000J
PRESS	P25	mmHg	768.956	5.553	18	766.228	6.810	18	764.528	4.402	18	764.178	3.366	18	782.300	752.600
OXYGEN	P300	mg/L	11.772	0.909	18	12.112	0.733	17	11.261	0.695	18	10.267	0.442	18	14.100	9.500
PCTSAT	P301	%	97.183	4.791	18	96.794	4.499	17	100.082	3.582	17	99.641	4.107	17	111.100	88.500
FC	P31616	#/100ml	86.765	238.891	17	63.778	150.965	18	20.500	31.350	18	19.222	12.226	18	1000.000	1.000K
COD	P340	mg/L	8.000	2.757	6	10.333	4.885	6	9.000	2.345	5	10.750	10.996	4	27.000	4.000K
PH	P400	units	7.511	0.351	18	7.428	0.337	18	7.567	0.291	18	7.694	0.238	17	8.300	6.700
SUSSOL	P530	mg/L	40.889	71.850	18	24.944	46.911	18	8.611	7.293	18	17.700	23.859	18	312.000	2.000
FLOW	P60	CFS	2160.556	999.556	18	2994.444	1123.405	18	2037.778	653.547	18	1067.500	254.479	18	5200.000	740.000
TPN	P600	mg/L	0.307	0.161	3	0.455	0.051	3	0.308	0.070	3	0.351	0.259	3	0.644	0.153
NH3_N	P610	mg/L	0.023	0.010	18	0.020	0.013	18	0.012	0.002	18	0.013	0.005	18	0.050	0.010K
NO2_DIS	P613	mg/L	0.010	0.002	15	0.010	0.000	15	0.010	0.000	15	0.010	0.002	15	0.010	0.003
NO2_N	P615	mg/L	0.010	0.000	2	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.010K
NH3_UN	P619	mg/L	0.000	0.000	13	0.000	0.000	14	0.000	0.000	10	0.000	0.000	9	0.001	0.000
NO3_N	P620	mg/L	0.243	0.111	3	0.387	0.042	3	0.195	0.049	2	0.113	0.049	3	0.420	0.080
NO2_NO3	P630	mg/L	0.264	0.128	18	0.412	0.080	18	0.212	0.065	18	0.144	0.041	18	0.570	0.085
TP_P	P665	mg/L	0.077	0.101	18	0.050	0.043	18	0.018	0.007	18	0.030	0.024	18	0.410	0.010K
OP_DIS	P671	mg/L	0.011	0.002	18	0.011	0.003	18	0.010	0.000	18	0.010	0.001	18	0.020	0.009
HG	P71900	ug/L	0.066	0.029	9	0.042	0.019	9	0.054	0.032	7	0.039	0.022	6	0.120	0.001K
COLOR	P80	Pt-Co	51.667	16.743	3	71.333	54.976	3	18.000	8.888	3	124.667	84.056	3	200.000	8.000
TURB	P82079	NTU	40.389	82.769	18	11.594	15.795	18	2.839	1.945	18	12.278	15.464	18	325.000	1.100
HARD	P900	mg/L	26.889	5.110	9	24.111	3.723	9	24.889	5.061	9	26.333	1.871	9	39.000	20.000
COND	P95	umhos	64.500	7.374	18	63.778	7.788	18	62.278	5.062	18	67.833	6.233	18	84.000	48.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 14A060 Name: GOLDSBOROUGH CR @ SHELTON Class: A Elevation: 10 River Mile: 0.30

Location:
1ST STREET BRIDGE IN SHELTON

Water Years Sampled:
5 6 7 8 9
9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	7.400	2.095	3	6.967	0.874	3	10.600	1.637	3	13.167	0.586	3	13.600	5.100
PRESS	P25	mmHg	770.633	11.741	3	762.333	3.347	3	765.533	7.514	3	767.067	2.003	3	779.800	756.900
OXYGEN	P300	mg/L	11.033	0.839	3	11.133	0.416	3	9.833	0.416	3	9.100	0.100	3	12.000	9.000
PCTSAT	P301	%	90.100	1.852	3	91.100	1.562	3	87.300	1.300	3	85.467	0.551	3	92.900	85.100
FC	P31616	#/100ml	125.333	161.432	3	8.000	5.568	3	37.000	25.515	3	40.000	11.790	3	310.000	3.000
PH	P400	units	7.167	0.252	3	7.367	0.115	3	7.533	0.321	3	7.333	0.208	3	7.900	6.900
SUSSOL	P530	mg/L	3.667	2.082	3	5.667	2.082	3	3.667	2.887	3	2.000	0.000	3	8.000	2.000
FLOW	P60	CFS	61.333	32.808	3	188.000	106.452	3	56.000	19.975	3	25.667	2.517	3	310.000	23.000
TPN	P600	mg/L	0.394	0.096	3	0.414	0.062	3	0.184	0.008	3	0.174	0.006	2	0.483	0.170
NH3_N	P610	mg/L	0.015	0.001	3	0.014	0.006	3	0.016	0.006	3	0.017	0.009	2	0.023	0.010K
NO2_NO3	P630	mg/L	0.174	0.113	3	0.224	0.061	3	0.078	0.003	3	0.082	0.021	3	0.302	0.059
TP_P	P665	mg/L	0.029	0.008	3	0.017	0.006	3	0.019	0.010	3	0.035	0.008	2	0.040	0.010K
OP_DIS	P671	mg/L	0.013	0.003	3	0.010	0.000	3	0.011	0.001	3	0.016	0.003	3	0.019	0.010K
TURB	P82079	NTU	2.800	2.081	3	2.033	0.231	3	1.533	0.493	3	1.333	0.416	3	5.200	1.000
COND	P95	umhos	115.333	36.474	3	84.000	8.660	3	131.000	24.880	3	175.667	18.009	3	188.000	74.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 16A070 Name: SKOKOMISH R NR POTLATCH Class: AA Elevation: 60 River Mile: 5.30

Location:
LOCATED AT HIGHWAY 101 BRIDGE ON THE SKOKOMISH RIVER APPROXIMATELY EIGHT MILES NORTH OF SHELTON

Water Years Sampled:

5	6							7								8								9						
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
	X	X	X	X	X	X	X	X		X	X		X	X	X				X	X	X				X	X	X	X	X	X	X	X	X	X	X	X	X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	7.267	1.209	18	6.172	1.102	18	9.606	1.533	18	10.811	1.071	18	12.900	4.500
PRESS	P25	mmHg	768.656	8.057	18	767.489	6.126	18	764.700	5.474	18	766.394	5.417	18	779.800	752.600
OXYGEN	P300	mg/L	11.471	0.788	17	11.900	0.447	17	10.872	0.497	18	10.061	0.426	18	13.300	9.600
PCTSAT	P301	%	93.535	5.735	17	94.941	2.393	17	94.541	3.000	17	89.653	5.074	17	107.700	83.700
FC	P31616	#/100ml	17.882	27.048	17	4.222	3.949	18	24.333	28.403	18	38.333	59.903	18	270.000	1.000K
PH	P400	units	7.317	0.449	18	7.122	0.467	18	7.333	0.404	18	7.406	0.171	17	8.300	6.300
SUSSOL	P530	mg/L	25.500	44.626	18	19.000	32.267	18	11.556	20.988	18	1.911	1.208	18	168.000	1.000K
FLOW	P60	CFS	1731.389	2223.103	18	2118.556	2471.748	18	787.000	661.432	18	210.667	52.744	18	11300.000	132.000
TPN	P600	mg/L	0.210	0.046	3	0.145	0.045	3	0.083	0.014	3	0.104	0.019	2	0.242	0.068
NH3_N	P610	mg/L	0.014	0.006	18	0.014	0.006	18	0.012	0.003	18	0.014	0.005	17	0.030	0.010K
NO2_DIS	P613	mg/L	0.010	0.000	14	0.010	0.000	15	0.010	0.000	15	0.010	0.002	15	0.010	0.003
NO2_N	P615	mg/L	0.010	0.000	2	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.010K
NH3_UN	P619	mg/L	0.000	0.000	13	0.000	0.001	13	0.000	0.000	10	0.000	0.000	9	0.003	0.000
NO3_N	P620	mg/L	0.130	0.072	3	0.073	0.025	3	0.040	0.000	2	0.047	0.012	3	0.210	0.040
NO2_NO3	P630	mg/L	0.136	0.034	18	0.104	0.023	18	0.056	0.014	18	0.073	0.017	18	0.209	0.031
TP_P	P665	mg/L	0.031	0.032	18	0.029	0.028	18	0.012	0.004	18	0.015	0.007	16	0.112	0.008
OP_DIS	P671	mg/L	0.010	0.002	17	0.010	0.000	18	0.010	0.000	18	0.011	0.001	17	0.014	0.004
COLOR	P80	Pt-Co	15.333	12.662	3	5.333	2.309	3	12.500	12.021	2	8.333	4.509	3	29.000	4.000
TURB	P82079	NTU	9.139	14.947	18	9.918	14.105	17	3.439	7.553	18	0.972	0.596	18	58.000	0.300
COND	P95	umhos	62.778	8.092	18	57.389	9.082	18	66.556	10.141	18	79.111	10.278	18	110.000	43.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 16B110 Name: HAMMA HAMMA R NR ELDON Class: AA Elevation: 650 River Mile: 6.20

Location:
STATION LOCATED APPROX 5 MILES UPSTREAM FROM HOOD CANAL ON THE HAMMA HAMMA RIVER NEAR THE HAMMA HAMMA RIVER GUARD STATION

Water Years Sampled:

5	6						7								8								9						
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
														X	X																				X		

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	7.200	1.418	3	4.967	0.569	3	7.333	1.818	3	9.833	0.404	3	10.300	4.500
PRESS	P25	mmHg	755.500	12.731	3	746.567	3.675	3	749.500	6.773	3	750.733	1.102	3	765.600	741.200
OXYGEN	P300	mg/L	11.933	0.551	3	12.500	0.100	3	11.767	0.252	3	11.133	0.643	3	12.600	10.400
PCTSAT	P301	%	99.033	1.258	3	99.367	2.401	3	98.833	1.701	3	99.067	5.008	3	102.900	93.400
FC	P31616	#/100ml	2.333	1.528	3	1.000	0.000	3	1.333	0.577	3	1.333	0.577	3	4.000	1.000K
PH	P400	units	7.400	0.173	3	7.267	0.153	3	7.633	0.208	3	7.300	0.265	3	7.800	7.000
SUSSOL	P530	mg/L	1.000	0.000	3	6.000	7.810	3	1.000	0.000	3	1.000	0.000	3	15.000	1.000K
TPN	P600	mg/L	0.150	0.027	3	0.100	0.042	3	0.074	0.013	3	0.078	0.001	2	0.167	0.061
NH3_N	P610	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.000	2	0.010	0.010K
NO2_NO3	P630	mg/L	0.126	0.028	3	0.075	0.027	3	0.041	0.012	3	0.060	0.016	3	0.144	0.032
TP_P	P665	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.016	0.008	2	0.022	0.010K
OP_DIS	P671	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.010K
TURB	P82079	NTU	0.600	0.100	3	2.567	3.493	3	0.500	0.000	3	0.500	0.000	3	6.600	0.500K
COND	P95	umhos	65.667	11.015	3	59.000	6.245	3	59.667	5.508	3	67.000	7.550	3	74.000	52.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 16C090 Name: DUCKABUSH R NR BRINNON

Class: AA Elevation: 300 River Mile: 4.50

Location:
LOCATED AT THE GS RECORDER IN THE SOUTHWEST QUARTER OF SECTION ONE` IN TOWNSHIP 25 NORTH, RANGE THREE WEST, 4.5 MILES UPSTREAM FROM THE MOUTH OF THE DUCKABUSH RIVER AND FIVE MILES WEST OF BRINNON, JEFFERSON COUNTY

Water Years Sampled:

5	6						7										8										9					
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
													X	X	X																	X	X	

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	5.933	1.750	3	4.600	0.781	3	7.433	2.139	3	11.633	1.270	3	13.100	4.100
PRESS	P25	mmHg	763.200	12.205	3	754.500	2.352	3	757.100	6.755	3	757.833	0.814	3	773.200	749.300
OXYGEN	P300	mg/L	12.500	0.400	3	12.733	0.058	3	11.900	0.400	3	11.067	0.321	3	12.900	10.700
PCTSAT	P301	%	99.567	1.756	3	99.233	2.026	3	99.100	1.127	3	101.600	0.436	3	102.100	97.600
FC	P31616	#/100ml	4.667	5.508	3	1.000	0.000	3	2.000	1.732	3	1.667	1.155	3	11.000	1.000K
PH	P400	units	7.333	0.451	3	7.200	0.100	3	7.533	0.208	3	7.667	0.058	3	7.800	6.900
SUSSOL	P530	mg/L	1.333	0.577	3	7.333	10.116	3	1.333	0.577	3	1.000	0.000	3	19.000	1.000K
FLOW	P60	CFS	162.000	94.726	3	456.333	213.823	3	340.667	42.158	3	103.667	56.368	3	700.000	59.000
TPN	P600	mg/L	0.105	0.031	3	0.072	0.041	3	0.038	0.017	3	0.025	0.014	2	0.135	0.015J
NH3_N	P610	mg/L	0.010	0.000	3	0.010	0.001	3	0.010	0.000	3	0.010	0.000	2	0.011	0.010K
NO2_NO3	P630	mg/L	0.066	0.031	3	0.042	0.025	3	0.015	0.009	3	0.015	0.006	3	0.084	0.010K
TP_P	P665	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.000	2	0.010	0.010J
OP_DIS	P671	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.010K
TURB	P82079	NTU	0.733	0.252	3	3.633	5.254	3	0.767	0.115	3	0.500	0.000	3	9.700	0.500K
COND	P95	umhos	76.000	13.000	3	63.667	11.846	3	66.000	7.211	3	77.333	12.662	3	89.000	50.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 16D070 Name: DOSEWALLIPS R @ BRINNON Class: AA Elevation: 25 River Mile: 0.40

Location:
LOCATED AT THE BRIDGE ON HIGHWAY 101 AT BRINNON

Water Years Sampled:

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5 6                   7                   8                   9
9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
X X X X X X X X X X X X   X X X                                      X
```

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	5.800	1.931	3	5.300	0.557	3	8.900	2.095	3	13.067	1.159	3	14.300	4.100
PRESS	P25	mmHg	769.467	12.171	3	761.633	2.676	3	763.767	5.948	3	764.800	0.500	3	778.800	755.700
OXYGEN	P300	mg/L	12.567	0.404	3	12.500	0.173	3	11.633	0.351	3	10.800	0.346	3	13.000	10.400
PCTSAT	P301	%	98.933	1.290	3	98.267	2.434	3	99.500	1.229	3	101.433	1.401	3	103.000	96.100
FC	P31616	#/100ml	4.667	2.309	3	2.667	2.887	3	1.333	0.577	3	3.667	3.055	3	7.000	1.000K
PH	P400	units	7.633	0.153	3	7.500	0.100	3	7.633	0.289	3	7.667	0.115	3	7.800	7.300
SUSSOL	P530	mg/L	4.000	3.606	3	8.667	9.074	3	2.000	0.000	3	2.667	1.528	3	19.000	1.000
FLOW	P60	CFS	210.000	149.680	3	740.000	519.711	3	360.000	196.977	3	131.667	67.855	3	1330.000	91.000
TPN	P600	mg/L	0.100	0.068	3	0.113	0.052	3	0.031	0.009	3	0.025	0.018	2	0.174	0.012J
NH3_N	P610	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.000	2	0.010	0.010K
NO2_NO3	P630	mg/L	0.064	0.069	3	0.075	0.044	3	0.021	0.019	3	0.010	0.000	3	0.142	0.010K
TP_P	P665	mg/L	0.010	0.000	3	0.014	0.007	3	0.010	0.000	3	0.010	0.000	2	0.022	0.010K
OP_DIS	P671	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.010K
TURB	P82079	NTU	2.567	2.721	3	4.000	4.807	3	1.567	0.252	3	0.967	0.808	3	9.500	0.500K
COND	P95	umhos	97.667	19.553	3	81.333	15.044	3	80.667	5.686	3	95.667	20.984	3	118.000	67.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 16E070 Name: FINCH CR @ HOODSPORT Class: A Elevation: 20 River Mile: 0.10

Location:
Highway 101 in Hoodsport. Across from Hoodsport salmon hatchery.

Water Years Sampled:
5 6 7 8 9
9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	7.633	0.814	3	6.967	0.666	3	8.900	0.964	3	10.800	0.529	3	11.400	6.400
PRESS	P25	mmHg	770.567	12.701	3	762.267	2.948	3	765.133	7.160	3	767.100	1.997	3	780.300	756.200
OXYGEN	P300	mg/L	11.733	0.462	3	11.967	0.153	3	11.600	0.173	3	11.533	0.289	3	12.100	11.200
PCTSAT	P301	%	96.533	2.122	3	97.933	0.833	3	99.100	1.852	3	102.700	3.534	3	105.400	94.800
FC	P31616	#/100ml	90.667	129.361	3	4.333	4.041	3	8.667	3.215	3	22.667	10.786	3	240.000	2.000
PH	P400	units	7.533	0.153	3	7.600	0.265	3	7.800	0.100	3	7.600	0.300	3	7.900	7.300
SUSSOL	P530	mg/L	2.667	0.577	3	1.333	0.577	3	1.000	0.000	3	1.000	0.000	3	3.000	1.000K
TPN	P600	mg/L	0.276	0.051	3	0.212	0.071	3	0.108	0.020	3	0.151	0.021	2	0.335	0.088
NH3_N	P610	mg/L	0.018	0.008	3	0.010	0.001	3	0.010	0.000	3	0.015	0.007	2	0.027	0.010K
NO2_NO3	P630	mg/L	0.214	0.073	3	0.176	0.054	3	0.092	0.012	3	0.080	0.023	3	0.298	0.053
TP_P	P665	mg/L	0.027	0.006	3	0.014	0.004	3	0.017	0.007	3	0.027	0.004	2	0.032	0.010K
OP_DIS	P671	mg/L	0.021	0.004	3	0.014	0.001	3	0.016	0.002	3	0.021	0.006	3	0.027	0.013
TURB	P82079	NTU	1.333	0.666	3	0.633	0.231	3	0.500	0.000	3	0.533	0.058	3	2.100	0.500K
COND	P95	umhos	74.000	15.620	3	66.667	4.509	3	76.667	8.737	3	82.333	7.371	3	88.000	56.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 17A070 Name: BIG QUILCENE R NR QUILCENE Class: AA Elevation: 120 River Mile: 2.60

Location:
LOCATED AT THE BRIDGE ON HIGHWAY 101, 1.9 MILES SOUTHWEST OF QUILCENE

Water Years Sampled:

5 6							7								8								9						
9 0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
X X	X	X	X	X	X	X		X			X	X	X																	X						

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	6.267	2.113	3	5.900	0.436	3	9.200	2.343	3	13.567	1.159	3	14.800	4.900
PRESS	P25	mmHg	766.833	12.410	3	757.933	2.542	3	760.633	5.404	3	762.100	0.346	3	776.700	752.900
OXYGEN	P300	mg/L	12.400	0.436	3	12.333	0.153	3	11.500	0.361	3	10.433	0.208	3	12.700	10.200
PCTSAT	P301	%	99.100	1.308	3	98.933	0.153	3	99.433	1.943	3	99.433	0.635	3	101.100	97.300
FC	P31616	#/100ml	12.333	8.327	3	1.000	0.000	3	4.000	5.196	3	86.333	107.109	3	210.000	1.000K
PH	P400	units	7.633	0.058	3	7.600	0.173	3	7.867	0.153	3	7.667	0.115	3	8.000	7.500
SUSSOL	P530	mg/L	12.000	17.349	3	6.667	5.686	3	1.333	0.577	3	1.667	0.577	3	32.000	1.000K
FLOW	P60	CFS	131.000	84.929	3	258.667	101.036	3	135.667	49.602	3	41.000	18.358	3	317.000	28.000
TPN	P600	mg/L	0.225	0.115	3	0.172	0.103	3	0.062	0.002	3	0.084	0.001	2	0.357	0.061
NH3_N	P610	mg/L	0.019	0.008	3	0.010	0.000	3	0.010	0.000	3	0.014	0.005	2	0.024	0.010K
NO2_NO3	P630	mg/L	0.144	0.114	3	0.135	0.114	3	0.033	0.008	3	0.047	0.014	3	0.275	0.024
TP_P	P665	mg/L	0.011	0.002	3	0.010	0.000	3	0.010	0.001	3	0.011	0.001	2	0.014	0.010K
OP_DIS	P671	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.010K
TURB	P82079	NTU	2.167	2.887	3	4.500	4.924	3	0.833	0.351	3	0.500	0.000	3	10.000	0.500K
COND	P95	umhos	132.000	44.306	3	85.000	10.536	3	94.333	19.604	3	130.000	31.097	3	161.000	74.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 17B070 Name: CHIMACUM CR NR IRONDALE Class: A Elevation: 40 River Mile: 1.20

Location:
Chimacum Center Road.

Water Years Sampled:
5 6 7 8 9
9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	6.067	2.732	3	7.233	1.823	3	13.400	3.365	3	15.067	1.904	3	16.900	3.800
PRESS	P25	mmHg	768.000	12.418	3	759.400	2.425	3	762.333	4.712	3	762.933	0.513	3	778.000	754.100
OXYGEN	P300	mg/L	10.800	0.200	3	10.600	0.300	3	9.600	1.058	3	9.200	0.500	3	11.000	8.700
PCTSAT	P301	%	85.933	6.901	3	87.733	5.140	3	90.767	3.647	3	90.367	1.401	3	94.900	79.100
FC	P31616	#/100ml	93.667	39.879	3	133.667	67.678	3	160.667	59.677	3	188.000	166.469	3	380.000	51.000
PH	P400	units	7.533	0.306	3	7.433	0.208	3	7.800	0.100	3	7.767	0.058	3	7.900	7.200
SUSSOL	P530	mg/L	4.000	1.000	3	11.667	2.887	3	3.667	0.577	3	2.667	0.577	3	15.000	2.000
FLOW	P60	CFS	19.333	17.898	3	40.000	31.241	3	10.300	4.355	3	6.800	1.000	3	76.000	5.800J
TPN	P600	mg/L	1.630	1.593	3	1.867	0.772	3	0.781	0.182	3	0.489	0.105	2	3.470	0.415J
NH3_N	P610	mg/L	0.063	0.069	3	0.052	0.016	3	0.019	0.004	3	0.029	0.008	2	0.142	0.016
NO2_NO3	P630	mg/L	0.970	1.110	3	0.929	0.478	3	0.301	0.034	3	0.183	0.036	3	2.250	0.151J
TP_P	P665	mg/L	0.094	0.009	3	0.084	0.018	3	0.119	0.019	3	0.116	0.021	2	0.134	0.063
OP_DIS	P671	mg/L	0.056	0.010	3	0.045	0.004	3	0.083	0.025	3	0.076	0.021	3	0.102	0.041
TURB	P82079	NTU	3.067	0.643	3	5.267	1.419	3	3.700	0.917	3	3.700	0.700	3	6.800	2.600
COND	P95	umhos	223.000	12.530	3	216.333	16.258	3	232.333	42.548	3	247.000	14.177	3	276.000	191.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 17B100 Name: CHIMACUM CR @ CHIMACUM Class: A Elevation: 100 River Mile: 4.20

Location:

Water Years Sampled:

5 6 7 8 9
9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	6.767	3.573	3	7.433	2.065	3	15.900	3.214	3	17.600	3.251	3	20.900	4.000
PRESS	P25	mmHg	767.000	12.205	3	758.000	1.970	3	761.133	3.675	3	761.567	0.902	3	777.000	753.400
OXYGEN	P300	mg/L	9.800	0.529	3	10.133	0.651	3	10.367	3.164	3	5.067	0.777	3	13.100	4.200
PCTSAT	P301	%	79.900	6.791	3	84.567	9.148	3	102.967	27.065	3	52.533	7.900	3	122.100	43.600
FC	P31616	#/100ml	1097.000	1252.608	3	546.667	568.008	3	236.667	45.092	3	927.333	1363.716	3	2500.000	72.000
PH	P400	units	7.467	0.252	3	7.333	0.306	3	7.900	0.265	3	7.200	0.000	3	8.100	7.000
SUSSOL	P530	mg/L	6.667	3.786	3	11.000	2.646	3	6.333	7.506	3	1.333	0.577	3	15.000	1.000
FLOW	P60	CFS	7.233	5.428	3	13.167	14.582	3	2.500	0.700	3	1.700	0.173	3	30.000	1.500J
TPN	P600	mg/L	1.697	1.615	3	1.870	0.546	3	0.603	0.249	3	0.370	0.162	2	3.560	0.255J
NH3_N	P610	mg/L	0.135	0.070	3	0.116	0.064	3	0.028	0.006	3	0.033	0.028	2	0.213	0.013J
NO2_NO3	P630	mg/L	0.879	1.129	3	0.894	0.423	3	0.132	0.109	3	0.013	0.006	3	2.180	0.010K
TP_P	P665	mg/L	0.137	0.027	3	0.108	0.022	3	0.143	0.023	3	0.153	0.029	2	0.173	0.085
OP_DIS	P671	mg/L	0.086	0.022	3	0.061	0.013	3	0.099	0.028	3	0.108	0.030	3	0.137	0.049
TURB	P82079	NTU	3.833	0.208	3	7.700	2.862	3	2.633	0.551	3	0.933	0.208	3	11.000	0.700
COND	P95	umhos	210.000	19.698	3	198.000	22.113	3	201.000	26.851	3	201.667	14.572	3	232.000	172.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 18A070 Name: DUNGENESS R NR SEQUIM Class: A Elevation: 245 River Mile: 6.90

Location:
LOCATED AT THE BRIDGE ON HIGHWAY 101, 2.3 MILES WEST OF SEQUIM

Water Years Sampled:

5 6			7							8										9									
9 0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
X X	X	X	X	X	X	X						X	X	X																					X	

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	6.167	2.859	3	5.633	1.498	3	11.367	2.627	3	14.000	1.082	3	14.900	3.700
PRESS	P25	mmHg	762.333	12.125	3	753.433	1.332	3	756.667	4.234	3	757.000	1.039	3	772.700	749.000
OXYGEN	P300	mg/L	12.533	0.569	3	12.533	0.404	3	10.700	0.721	3	10.233	0.153	3	13.000	9.900
PCTSAT	P301	%	100.433	2.466	3	100.367	0.473	3	97.633	3.630	3	99.100	0.819	3	102.100	94.300
FC	P31616	#/100ml	1.000	0.000	3	20.333	31.770	3	1.000	0.000	3	3.333	3.215	3	57.000	1.000K
PH	P400	units	8.100	0.424	2	7.633	0.153	3	7.967	0.153	3	7.900	0.200	3	8.400	7.500
SUSSOL	P530	mg/L	1.667	0.577	3	3.667	2.082	3	2.333	0.577	3	1.667	0.577	3	6.000	1.000K
FLOW	P60	CFS	114.667	65.003	3	274.000	76.707	3	351.000	18.083	3	92.333	97.275	3	370.000	26.000
TPN	P600	mg/L	0.090	0.052	3	0.093	0.043	3	0.030	0.019	3	0.041	0.013	2	0.148	0.010
NH3_N	P610	mg/L	0.010	0.000	3	0.010	0.000	3	0.017	0.012	3	0.010	0.000	2	0.030	0.010K
NO2_NO3	P630	mg/L	0.043	0.052	3	0.044	0.029	3	0.011	0.002	3	0.010	0.000	3	0.103	0.010K
TP_P	P665	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.011	0.001	2	0.011	0.010K
OP_DIS	P671	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.010K
TURB	P82079	NTU	1.567	1.012	3	2.267	1.201	3	1.800	0.200	3	0.867	0.635	3	3.500	0.400
COND	P95	umhos	129.333	23.180	3	124.667	17.214	3	100.667	5.508	3	121.000	33.422	3	154.000	84.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 18B070 Name: ELWHA R NR PORT ANGELES

Class: AA Elevation: 220 River Mile: 8.10

Location:
LOCATED AT BRIDGE ON HIGHWAY 101, 12 MILES WEST OF PORT ANGELES

Water Years Sampled:

5	6							7								8								9						
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
X	X	X	X	X	X	X	X			X			X	X	X															X	X						

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	6.700	3.005	3	4.233	0.681	3	8.533	1.986	3	13.200	0.557	3	13.700	3.700
PRESS	P25	mmHg	769.700	7.473	3	762.267	2.658	3	762.333	1.332	3	762.767	0.643	3	776.500	759.500
OXYGEN	P300	mg/L	12.333	0.503	3	12.833	0.058	3	11.533	0.379	3	10.500	0.000	3	12.900	10.500
PCTSAT	P301	%	99.167	2.684	3	98.067	1.767	3	98.000	2.900	3	99.200	1.153	3	102.200	95.100
FC	P31616	#/100ml	4.000	3.000	3	1.333	0.577	3	1.000	0.000	3	2.333	1.528	3	7.000	1.000K
PH	P400	units	7.567	0.231	3	7.900	0.200	3	7.967	0.208	3	7.633	0.115	3	8.200	7.300
SUSSOL	P530	mg/L	11.667	9.452	3	6.333	3.215	3	4.333	4.933	3	1.333	0.577	3	19.000	1.000K
FLOW	P60	CFS	576.000	347.173	3	1351.000	410.479	3	1293.333	83.865	3	483.333	236.612	3	1650.000	306.000
TPN	P600	mg/L	0.082	0.028	3	0.068	0.013	3	0.022	0.016	3	0.016	0.005	2	0.107	0.010K
NH3_N	P610	mg/L	0.012	0.003	3	0.010	0.001	3	0.010	0.000	3	0.010	0.000	2	0.016	0.010K
NO2_NO3	P630	mg/L	0.035	0.024	3	0.034	0.019	3	0.012	0.003	3	0.010	0.000	3	0.062	0.010K
TP_P	P665	mg/L	0.020	0.011	3	0.010	0.000	3	0.011	0.002	3	0.010	0.000	2	0.032	0.010J
OP_DIS	P671	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.010K
TURB	P82079	NTU	14.667	12.342	3	6.133	2.316	3	4.533	4.738	3	0.733	0.208	3	25.000	0.500
COND	P95	umhos	92.333	22.502	3	95.333	4.509	3	78.667	2.082	3	89.667	17.898	3	110.000	67.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 20A090 Name: SOLEDUCK R NR FORKS

Class: AA Elevation: 360 River Mile: 23.40

Location:
LOCATED ON THE SOLEDUCK RIVER AT IVERSON FROM THE MAXFIELD ROAD BRIDGE,
4.6 MILES NORTH OF FORKS

Water Years Sampled:

5	6						7								8								9					
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
													X	X	X																			X			

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	5.933	2.098	3	5.733	0.802	3	10.500	2.955	3	12.933	0.681	3	13.700	4.300
PRESS	P25	mmHg	764.867	8.515	3	759.467	2.050	3	752.367	12.529	3	759.533	1.557	3	771.900	737.900
OXYGEN	P300	mg/L	12.533	0.115	3	12.233	0.153	3	11.167	0.643	3	10.633	0.404	3	12.600	10.200
PCTSAT	P301	%	99.600	3.396	3	97.467	1.002	3	100.467	2.021	3	100.300	4.349	3	103.500	95.300
FC	P31616	#/100ml	34.000	28.355	3	8.000	3.464	3	10.333	10.408	3	18.667	19.655	3	56.000	2.000
PH	P400	units	7.700	0.300	3	7.300	0.173	3	7.900	0.100	3	7.600	0.000	3	8.000	7.200
SUSSOL	P530	mg/L	1.667	1.155	3	3.000	0.000	3	1.333	0.577	3	1.000	0.000	3	3.000	1.000K
FLOW	P60	CFS	923.333	418.609	3	1700.000	117.898	3	675.000	197.547	3	196.667	66.583	3	1800.000	140.000
TPN	P600	mg/L	0.401	0.104	3	0.289	0.106	3	0.113	0.023	3	0.128	0.005	2	0.520	0.091
NH3_N	P610	mg/L	0.011	0.001	3	0.014	0.006	3	0.010	0.000	3	0.010	0.000	2	0.021	0.010K
NO2_NO3	P630	mg/L	0.354	0.084	3	0.248	0.120	3	0.077	0.026	3	0.081	0.023	3	0.451	0.057
TP_P	P665	mg/L	0.012	0.003	3	0.010	0.000	3	0.010	0.000	3	0.011	0.001	2	0.015	0.010K
OP_DIS	P671	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.010K
TURB	P82079	NTU	1.233	0.709	3	1.400	0.100	3	0.533	0.058	3	0.367	0.231	3	2.000	0.100K
COND	P95	umhos	68.667	6.351	3	70.000	4.000	3	78.000	7.810	3	90.667	10.408	3	99.000	65.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 20B070 Name: HOH R @ DNR CAMPGROUND Class: AA Elevation: 350 River Mile: 16.50

Location:
LOCATED AT THE BANK IN THE DEPARTMENT OF NATURAL RESOURCES CAMPGROUND,
21 MILES SOUTH OF FORKS, JUST BEFORE THE HOH RIVER BRIDGE ON HIGHWAY 101

Water Years Sampled:

5	6										7										8										9						
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
		X	X	X	X	X	X	X	X	X	X			X	X	X					X	X	X													X	X	

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	5.900	1.803	3	5.633	0.862	3	9.867	2.641	3	11.833	0.208	3	12.200	4.400
PRESS	P25	mmHg	766.333	8.159	3	762.167	1.710	3	761.900	0.656	3	761.600	1.389	3	772.900	757.200
OXYGEN	P300	mg/L	12.433	0.115	3	12.267	0.252	3	11.533	0.513	3	11.033	0.058	3	12.500	11.000
PCTSAT	P301	%	98.600	2.646	3	97.133	0.551	3	101.067	1.804	3	101.300	0.794	3	102.800	96.600
FC	P31616	#/100ml	17.333	14.503	3	1.667	1.155	3	2.000	1.000	3	8.333	5.132	3	32.000	1.000
PH	P400	units	7.600	0.265	3	7.233	0.153	3	7.767	0.231	3	7.500	0.100	3	7.900	7.100
SUSSOL	P530	mg/L	6.000	2.000	3	6.667	2.517	3	2.667	0.577	3	5.333	5.774	3	12.000	2.000
FLOW	P60	CFS	1703.333	397.157	3	2580.000	516.817	3	1453.333	90.738	3	898.667	390.866	3	3120.000	673.000
TPN	P600	mg/L	0.218	0.027	3	0.145	0.054	3	0.037	0.025	3	0.042	0.012	2	0.240	0.010K
NH3_N	P610	mg/L	0.010	0.000	3	0.011	0.001	3	0.011	0.001	3	0.010	0.000	2	0.012	0.010K
NO2_NO3	P630	mg/L	0.185	0.030	3	0.107	0.048	3	0.016	0.008	3	0.013	0.006	3	0.212	0.010J
TP_P	P665	mg/L	0.011	0.002	3	0.010	0.000	3	0.010	0.000	3	0.012	0.001	2	0.014	0.010K
OP_DIS	P671	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.010K
TURB	P82079	NTU	6.033	4.644	3	3.700	1.652	3	2.367	0.808	3	6.033	6.093	3	13.000	1.700
COND	P95	umhos	73.333	6.110	3	72.667	4.726	3	78.333	6.351	3	74.333	10.970	3	83.000	62.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 21A070 Name: QUEETS R @ QUEETS Class: AA Elevation: 30 River Mile: 1.50

Location:
LOCATED AT THE BRIDGE ON HIGHWAY 101 AT QUEETS

Water Years Sampled:

5	6										7										8										9					
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
		X	X	X	X	X	X	X	X	X	X		X																							X	

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	6.833	2.401	3	6.233	1.069	3	12.467	2.845	3	15.733	1.002	3	16.700	5.000
PRESS	P25	mmHg	771.000	7.158	3	765.967	1.405	3	765.900	1.311	3	764.567	1.662	3	776.000	762.800
OXYGEN	P300	mg/L	12.000	0.400	3	12.000	0.265	3	10.933	0.493	3	10.233	0.153	3	12.400	10.100
PCTSAT	P301	%	96.700	2.551	3	96.000	0.529	3	101.033	1.779	3	101.800	3.081	3	105.300	94.200
FC	P31616	#/100ml	38.667	29.535	3	5.000	2.646	3	5.333	1.528	3	29.000	19.313	3	69.000	3.000
PH	P400	units	7.500	0.265	3	7.200	0.200	3	7.667	0.115	3	7.500	0.100	3	7.800	7.000
SUSSOL	P530	mg/L	7.667	4.509	3	12.333	4.163	3	3.667	1.155	3	2.000	0.000	3	17.000	2.000
FLOW	P60	CFS	3036.667	1494.735	3	4680.000	1328.646	3	1616.667	285.715	3	691.667	173.702	3	5770.000	523.000
TPN	P600	mg/L	0.292	0.035	3	0.178	0.063	3	0.048	0.015	3	0.048	0.002	2	0.325	0.031
NH3_N	P610	mg/L	0.011	0.002	3	0.012	0.003	3	0.013	0.005	3	0.010	0.000	2	0.019	0.010K
NO2_NO3	P630	mg/L	0.238	0.004	3	0.124	0.043	3	0.018	0.014	3	0.011	0.001	3	0.241	0.010K
TP_P	P665	mg/L	0.014	0.005	3	0.014	0.004	3	0.010	0.000	3	0.012	0.002	2	0.020	0.010K
OP_DIS	P671	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.010K
TURB	P82079	NTU	7.267	3.239	3	9.033	2.608	3	3.467	0.666	3	1.833	0.839	3	12.000	1.300
COND	P95	umhos	56.333	7.572	3	53.667	6.429	3	64.333	7.234	3	71.333	8.083	3	76.000	49.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 21B090 Name: QUINAULT R @ LAKE QUINAULT

Class: AA Elevation: 200 River Mile: 33.40

Location:
LOCATED AT THE BRIDGE ON HIGHWAY 101 OVER THE QUINAULT RIVER AT AMANDA PARK, TWO MILES SOUTHWEST OF QUINAULT

Water Years Sampled:

5	6						7								8										9					
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
X	X				X	X	X	X	X	X	X		X	X	X			X	X	X											X						

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	10.067	3.465	3	6.467	0.416	3	11.867	2.919	3	19.067	0.551	3	19.600	6.000
PRESS	P25	mmHg	765.900	7.399	3	761.733	1.419	3	760.733	1.102	3	758.867	2.139	3	770.900	756.400
OXYGEN	P300	mg/L	10.233	0.379	3	11.300	0.700	3	11.433	0.503	3	9.800	0.265	3	12.100	9.600
PCTSAT	P301	%	89.933	10.141	3	91.467	6.264	3	105.033	4.225	3	105.033	2.050	3	109.500	79.100
FC	P31616	#/100ml	8.000	6.083	3	3.667	3.786	3	1.000	0.000	3	1.000	0.000	3	12.000	1.000K
PH	P400	units	7.300	0.000	3	7.233	0.153	3	7.767	0.208	3	7.567	0.153	3	8.000	7.100
SUSSOL	P530	mg/L	5.333	5.132	3	2.333	0.577	3	1.667	0.577	3	1.333	0.577	3	11.000	1.000K
FLOW	P60	CFS	2160.000	268.514	3	3280.000	1008.167	3	1840.000	251.595	3	647.667	177.371	3	4380.000	487.000
TPN	P600	mg/L	0.098	0.032	3	0.149	0.017	3	0.041	0.010	3	0.083	0.082	2	0.159	0.025J
NH3_N	P610	mg/L	0.014	0.006	3	0.013	0.005	3	0.010	0.000	3	0.024	0.002	2	0.025	0.010K
NO2_NO3	P630	mg/L	0.055	0.054	3	0.098	0.031	3	0.017	0.013	3	0.010	0.000	3	0.119	0.010K
TP_P	P665	mg/L	0.013	0.005	3	0.010	0.001	3	0.010	0.000	3	0.011	0.001	2	0.018	0.010K
OP_DIS	P671	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.010K
TURB	P82079	NTU	3.433	4.053	3	3.767	0.321	3	0.900	0.265	3	0.700	0.100	3	8.100	0.600
COND	P95	umhos	58.333	8.963	3	57.667	3.786	3	57.000	6.245	3	63.000	5.292	3	67.000	48.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 22A070 Name: HUMPTULIPS R NR HUMPTULIPS Class: A Elevation: 145 River Mile: 23.60

Location:
LOCATED AT THE BRIDGE ON HIGHWAY 101, JUST SOUTH OF HUMPTULIPS

Water Years Sampled:

5	6							7										8										9					
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
X	X	X	X	X	X	X	X	X	X	X	X		X	X	X					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	7.322	1.847	18	6.511	1.430	18	12.250	2.773	18	15.383	2.481	18	21.000	4.000
PRESS	P25	mmHg	764.694	6.660	18	762.744	5.720	18	761.000	4.424	18	762.000	5.040	18	774.200	749.600
OXYGEN	P300	mg/L	12.065	0.713	17	12.235	0.506	17	11.006	0.755	18	10.356	0.528	18	13.600	9.400
PCTSAT	P301	%	98.065	5.502	17	99.082	2.673	17	101.718	4.153	17	102.265	3.668	17	111.800	84.000
FC	P31616	#/100ml	26.529	48.222	17	3.944	3.857	18	13.500	24.891	18	25.056	32.204	18	180.000	1.000K
PH	P400	units	7.394	0.210	18	7.211	0.283	18	7.467	0.316	18	7.553	0.155	17	7.900	6.500
SUSSOL	P530	mg/L	14.056	24.832	18	17.611	25.027	18	7.059	17.693	17	1.544	0.864	18	106.000	0.800
FLOW	P60	CFS	1621.111	971.390	18	1964.118	1332.306	17	796.833	837.093	18	174.611	58.613	18	5000.000	86.000
TPN	P600	mg/L	0.357	0.051	3	0.214	0.042	3	0.076	0.022	3	0.077	0.048	2	0.409	0.043J
NH3_N	P610	mg/L	0.014	0.007	18	0.014	0.006	18	0.012	0.004	18	0.011	0.003	17	0.031	0.008
NO2_DIS	P613	mg/L	0.009	0.002	14	0.010	0.000	15	0.010	0.000	15	0.010	0.002	15	0.010	0.002
NO2_N	P615	mg/L	0.010	0.000	2	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.010K
NH3_UN	P619	mg/L	0.000	0.000	13	0.000	0.000	13	0.000	0.000	10	0.000	0.000	9	0.000	0.000
NO3_N	P620	mg/L	0.220	0.072	3	0.117	0.031	3	0.040	0.000	2	0.023	0.006	3	0.300	0.020
NO2_NO3	P630	mg/L	0.235	0.071	18	0.160	0.051	18	0.059	0.037	18	0.045	0.042	18	0.335	0.010
TP_P	P665	mg/L	0.026	0.025	18	0.029	0.026	18	0.014	0.010	18	0.011	0.003	17	0.100	0.004
OP_DIS	P671	mg/L	0.010	0.002	17	0.010	0.001	18	0.010	0.000	18	0.010	0.002	18	0.015	0.002
COLOR	P80	Pt-Co	29.667	14.434	3	6.667	2.309	3	14.500	14.849	2	22.333	17.616	3	42.000	4.000
TURB	P82079	NTU	7.956	11.499	18	9.271	11.401	17	3.517	7.687	18	0.656	0.363	18	47.000	0.300
COND	P95	umhos	52.167	8.097	18	52.278	9.627	18	55.667	7.154	18	69.778	9.644	18	86.000	40.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 22B070 Name: WF HOQUIAM R NR HOQUIAM Class: A Elevation: 120 River Mile: 9.30

Location:
STATION LOCATED ON THE WEST FORK OF THE HOQUIAM RIVER AT NEW LONDON ON THE DEKAY ROAD JUST BELOW THE CONFLUENCE OF POLSON CR.

Water Years Sampled:

5 6							7													8													9					
9 0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
		X	X	X	X	X							X	X																							X	

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	6.867	2.023	3	6.900	1.044	3	11.333	1.815	3	13.633	1.234	3	15.000	5.600
PRESS	P25	mmHg	771.733	6.025	3	766.567	1.250	3	765.567	1.328	3	763.033	3.060	3	775.700	759.500
OXYGEN	P300	mg/L	11.800	0.436	3	11.800	0.100	3	10.967	0.493	3	10.000	0.300	3	12.300	9.700
PCTSAT	P301	%	95.067	2.902	3	95.900	1.908	3	98.933	2.570	3	95.267	1.815	3	101.900	91.900
FC	P31616	#/100ml	24.667	24.007	3	6.333	5.508	3	8.667	4.163	3	22.000	7.937	3	51.000	1.000K
PH	P400	units	7.233	0.153	3	7.367	0.208	3	7.567	0.153	3	7.433	0.153	3	7.700	7.100
SUSSOL	P530	mg/L	2.000	1.000	3	3.000	1.000	3	1.333	0.577	3	1.333	0.577	3	4.000	1.000K
FLOW	P60	CFS	34.667	21.548	3	108.667	45.884	3	29.333	8.505	3	12.333	2.082	3	140.000	10.000
TPN	P600	mg/L	0.351	0.194	3	0.226	0.062	3	0.138	0.039	3	0.108	0.024	2	0.570	0.091J
NH3_N	P610	mg/L	0.010	0.000	3	0.010	0.000	3	0.030	0.032	3	0.011	0.001	2	0.066	0.010K
NO2_NO3	P630	mg/L	0.252	0.158	3	0.157	0.051	3	0.070	0.020	3	0.052	0.005	3	0.434	0.047J
TP_P	P665	mg/L	0.015	0.006	3	0.010	0.001	3	0.011	0.002	3	0.016	0.005	2	0.021	0.010K
OP_DIS	P671	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.012	0.004	3	0.017	0.010K
TURB	P82079	NTU	3.000	1.758	3	3.233	1.401	3	1.933	0.115	3	1.600	0.100	3	5.000	1.500
COND	P95	umhos	55.000	13.115	3	46.333	3.215	3	60.000	11.136	3	73.667	9.074	3	82.000	41.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 23A070 Name: CHEHALIS R @ PORTER

Class: A Elevation: 40 River Mile: 33.30

Location:
LOCATED AT THE BRIDGE ON THE SIDE ROAD OFF US HIGHWAY 12 ON THE RIGHT
WHEN ENTERING PORTER FROM THE NORTHWEST

Water Years Sampled:

5 6	7	8	9
9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6			
X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X			

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	7.728	2.590	18	6.972	1.892	18	14.822	3.629	18	17.850	2.237	18	22.100	3.200
PRESS	P25	mmHg	768.594	6.314	18	766.439	5.803	18	764.333	4.072	18	766.317	5.467	18	776.000	751.800
OXYGEN	P300	mg/L	11.188	0.828	17	11.147	0.594	17	9.606	0.861	18	9.183	0.741	18	12.600	7.700
PCTSAT	P301	%	91.182	5.960	17	90.953	3.903	17	93.759	6.990	17	94.506	10.183	17	114.800	78.900
FC	P31616	#/100ml	142.118	309.807	17	76.333	78.366	18	30.444	27.141	18	17.944	9.716	18	1300.000	1.000K
COD	P340	mg/L	13.667	3.077	6	8.200	2.049	5	11.200	2.049	5	8.750	2.986	4	17.000	5.000K
PH	P400	units	7.444	0.273	18	7.111	0.289	18	7.350	0.169	18	7.635	0.260	17	8.100	6.600
SUSSOL	P530	mg/L	14.944	22.678	18	21.222	20.375	18	6.389	5.112	18	3.411	1.784	18	88.000	1.000K
FLOW	P60	CFS	5556.389	9521.580	18	7131.667	4678.587	18	1715.389	1561.864	18	406.056	132.817	18	42000.000	202.000
TPN	P600	mg/L	0.914	0.208	3	1.034	0.136	3	0.749	0.074	3	0.597	0.042	2	1.180	0.567
NH3_N	P610	mg/L	0.026	0.011	18	0.032	0.013	18	0.026	0.018	18	0.023	0.015	17	0.080	0.010J
NO2_DIS	P613	mg/L	0.010	0.001	14	0.010	0.000	15	0.010	0.000	15	0.010	0.001	15	0.010	0.006
NO2_N	P615	mg/L	0.010	0.000	2	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.010K
NH3_UN	P619	mg/L	0.000	0.000	13	0.000	0.000	13	0.000	0.000	10	0.000	0.000	9	0.001	0.000
NO3_N	P620	mg/L	0.713	0.140	3	0.590	0.046	3	0.380	0.085	2	0.337	0.042	3	0.850	0.290
NO2_NO3	P630	mg/L	0.922	0.373	18	0.857	0.113	18	0.535	0.092	18	0.457	0.131	18	2.130	0.150
TP_P	P665	mg/L	0.078	0.040	18	0.057	0.028	18	0.040	0.009	17	0.053	0.022	17	0.190	0.019
OP_DIS	P671	mg/L	0.031	0.017	17	0.017	0.006	18	0.019	0.006	17	0.031	0.016	18	0.079	0.010K
COLOR	P80	Pt-Co	64.000	6.557	3	39.000	17.776	3	27.500	9.192	2	32.333	20.033	3	71.000	17.000
TURB	P82079	NTU	7.406	13.891	18	9.747	8.278	17	2.844	2.163	18	1.344	0.480	18	60.500	0.900
COND	P95	umhos	90.333	18.166	18	73.000	9.834	18	90.167	12.482	18	107.444	10.913	18	125.000	53.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 23A160 Name: CHEHALIS R @ DRYAD Class: A Elevation: 288 River Mile: 101.70

Location:
LOCATED AT THE BRIDGE LEAVING DRYAD ON THE SOUTHEAST AND APPROXIMATELY
1.5 MILES EAST OF DOTY

Water Years Sampled:

5 6	7	8	9
9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6			
X X X X X X X X		X X X X X X X X X X X X X X X X X X X X	

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	7.061	2.445	18	6.861	2.126	18	13.583	3.780	18	17.072	2.899	18	24.500	2.200
PRESS	P25	mmHg	758.550	6.654	18	758.206	6.719	18	756.744	7.080	18	756.244	5.878	18	772.900	742.200
OXYGEN	P300	mg/L	12.147	0.852	17	12.150	0.403	16	10.911	1.021	18	9.861	0.667	18	13.700	8.400
PCTSAT	P301	%	99.276	4.323	17	100.856	3.700	16	104.429	7.863	17	101.271	7.221	17	120.500	88.500
FC	P31616	#/100ml	63.176	51.489	17	28.778	30.030	18	46.333	64.645	18	35.611	17.026	18	270.000	2.000
PH	P400	units	7.506	0.248	18	7.278	0.341	18	7.622	0.448	18	7.667	0.297	18	8.700	6.400
SUSSOL	P530	mg/L	9.222	20.016	18	26.059	55.344	17	3.529	3.659	17	2.278	1.364	18	192.000	1.000K
FLOW	P60	CFS	846.056	827.827	18	1696.611	1812.714	18	379.778	402.737	18	68.833	50.895	18	6980.000	17.000
TPN	P600	mg/L	0.456	0.238	3	0.643	0.138	3	0.331	0.029	3	0.244	0.114	3	0.799	0.144J
NH3_N	P610	mg/L	0.014	0.007	18	0.013	0.005	18	0.017	0.017	18	0.014	0.005	18	0.081	0.010K
NO2_DIS	P613	mg/L	0.010	0.002	14	0.010	0.000	15	0.010	0.000	15	0.010	0.002	15	0.010	0.003
NO2_N	P615	mg/L	0.010	0.000	2	0.040	0.052	3	0.010	0.000	3	0.010	0.000	3	0.010	0.010K
NH3_UN	P619	mg/L	0.000	0.000	13	0.000	0.000	13	0.000	0.000	10	0.000	0.000	9	0.001	0.000
NO3_N	P620	mg/L	0.533	0.190	3	0.390	0.026	3	0.115	0.007	2	0.027	0.012	3	0.720	0.020
NO2_NO3	P630	mg/L	0.484	0.310	18	0.505	0.152	18	0.198	0.080	18	0.059	0.036	18	0.959	0.010K
TP_P	P665	mg/L	0.028	0.029	18	0.044	0.048	18	0.017	0.007	18	0.017	0.005	18	0.173	0.010K
OP_DIS	P671	mg/L	0.010	0.002	17	0.010	0.001	18	0.010	0.000	18	0.010	0.000	18	0.014	0.002
COLOR	P80	Pt-Co	46.000	33.719	3	18.333	2.309	3	25.000	5.657	2	58.667	7.506	3	83.000	17.000
TURB	P82079	NTU	3.078	4.835	18	8.612	14.416	17	1.500	0.858	18	1.444	0.348	18	42.000	0.700
COND	P95	umhos	66.833	9.351	18	58.889	6.173	18	68.235	7.685	17	81.944	7.666	18	96.000	40.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 26B070 Name: COWLITZ R @ KELSO Class: A Elevation: 5 River Mile: 4.90

Location:
LOCATED IN KELSO AT THE ALLEN (MAIN) STREET BRIDGE CROSSING THE COWLITZ

Water Years Sampled:

5	6						7								8									9						
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
		X	X	X	X	X	X						X	X		X			X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	8.311	2.055	18	6.506	1.659	18	11.294	2.723	18	14.056	2.073	18	19.000	3.800
CR	P1118	ug/L	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	5.000	0.000	2	5.000	5.000U
PRESS	P25	mmHg	765.456	11.888	18	767.483	6.543	18	766.133	9.389	18	764.794	4.714	18	795.000	724.400
OXYGEN	P300	mg/L	11.618	0.655	17	11.694	0.647	17	10.906	0.599	18	10.156	0.315	18	13.200	9.300
PCTSAT	P301	%	97.324	4.791	17	94.376	5.128	17	97.988	3.272	17	97.435	3.131	17	108.800	77.200
FC	P31616	#/100ml	49.000	69.026	17	33.778	76.905	18	19.778	14.953	18	21.833	13.201	18	330.000	2.000
COD	P340	mg/L	9.833	3.189	6	8.500	4.324	6	9.200	3.114	5	5.500	1.915	4	16.000	4.000K
PH	P400	units	7.394	0.248	18	7.239	0.342	18	7.472	0.507	18	7.544	0.236	18	8.500	6.400
SUSSOL	P530	mg/L	92.722	184.646	18	50.611	56.666	18	32.722	37.232	18	9.700	9.086	18	794.000	3.000
FLOW	P60	CFS	9634.000	8109.270	15	10912.500	5569.776	16	7966.667	2831.515	12	3570.000	566.216	9	32600.000	950.000
TPN	P600	mg/L	0.221	0.153	3	0.341	0.063	3	0.161	0.101	3	0.153	0.105	3	0.408	0.085
NH3_N	P610	mg/L	0.017	0.009	18	0.021	0.012	18	0.019	0.015	18	0.011	0.002	18	0.069	0.010U
NO2_DIS	P613	mg/L	0.010	0.002	14	0.010	0.000	15	0.010	0.000	15	0.010	0.002	15	0.010	0.003
NO2_N	P615	mg/L	0.010	0.000	2	0.010	0.000	3	0.010	0.000	3	0.010	0.000	3	0.010	0.010K
NH3_UN	P619	mg/L	0.000	0.000	13	0.000	0.000	13	0.000	0.000	10	0.000	0.000	9	0.000	0.000
NO3_N	P620	mg/L	0.163	0.012	3	0.290	0.020	3	0.080	0.014	2	0.030	0.010	3	0.310	0.020
NO2_NO3	P630	mg/L	0.202	0.149	18	0.275	0.123	18	0.106	0.059	18	0.047	0.011	18	0.627	0.025J
TP_P	P665	mg/L	0.053	0.047	18	0.065	0.077	18	0.027	0.019	18	0.015	0.007	18	0.339	0.007
OP_DIS	P671	mg/L	0.010	0.001	17	0.011	0.002	18	0.010	0.000	17	0.010	0.001	18	0.019	0.004
HG	P71900	ug/L	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	0.001	0.000	2	0.001	0.001U
COLOR	P80	Pt-Co	47.333	21.502	3	36.333	10.599	3	14.333	12.220	3	36.333	13.429	3	71.000	1.000
TURB	P82079	NTU	19.865	32.936	17	15.628	11.145	18	8.456	7.968	18	2.372	0.771	18	130.000	1.500
HARD	P900	mg/L	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	33.000	1.414	2	34.000	31.000
COND	P95	umhos	95.778	20.447	18	90.000	11.157	18	104.000	19.704	18	124.167	17.345	18	171.000	60.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 30C070 Name: LITTLE KLICKITAT NR WAHKIACUS Class: A Elevation: 575 River Mile: 0.20

Location:
LOCATED AT THE BRIDGE ON STATE HIGHWAY 142, 14.4 MILES WEST OF
GOLDENDALE .2 MILE ABOVE THE CONFLUENCE WITH THE KLICKITAT RIVER

Water Years Sampled:

5	6						7								8								9						
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
																		X																	X	X	

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	4.800	4.026	3	4.533	0.503	3	12.333	4.277	3	14.067	7.805	3	19.900	1.300
PRESS	P25	mmHg	749.033	5.840	3	750.533	2.194	3	748.467	6.391	3	747.933	4.701	3	754.400	741.700
OXYGEN	P300	mg/L	13.033	1.137	3	12.267	1.050	3	11.033	1.012	3	10.967	0.643	3	14.300	10.400
PCTSAT	P301	%	102.400	3.651	3	95.900	7.238	3	103.733	1.617	3	108.367	22.729	3	130.400	85.000
FC	P31616	#/100ml	20.000	18.385	2	7.000	2.646	3	31.333	23.288	3	35.333	21.939	3	60.000	4.000
PH	P400	units	7.967	0.153	3	7.833	0.306	3	8.433	0.058	3	8.500	0.436	3	9.000	7.500
SUSSOL	P530	mg/L	2.333	0.577	3	4.333	1.155	3	7.333	3.215	3	3.000	1.000	3	11.000	2.000
FLOW	P60	CFS	8.000	1.732	3	20.667	17.214	3	50.000	30.000	3	6.000	1.732	3	80.000	5.000
TPN	P600	mg/L	0.311	0.167	3	0.882	0.278	3	0.293	0.072	3	0.219	0.006	3	1.140	0.177
NH3_N	P610	mg/L	0.015	0.007	3	0.031	0.037	3	0.014	0.008	3	0.012	0.004	3	0.074	0.010K
NO2_NO3	P630	mg/L	0.169	0.144	3	0.657	0.251	3	0.158	0.090	3	0.079	0.059	3	0.918	0.036
TP_P	P665	mg/L	0.055	0.025	3	0.065	0.023	3	0.053	0.006	3	0.056	0.006	3	0.087	0.041
OP_DIS	P671	mg/L	0.031	0.001	2	0.043	0.021	3	0.028	0.008	3	0.044	0.007	3	0.063	0.019
TURB	P82079	NTU	1.650	0.354	2	5.467	2.157	3	4.800	0.755	3	2.900	0.529	3	7.000	1.400
COND	P95	umhos	114.000	3.606	3	104.000	5.000	3	107.000	23.388	3	151.333	10.214	3	163.000	93.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 31A070 Name: COLUMBIA R @ UMATILLA Class: A Elevation: 240 River Mile: 290.50

Location:
LOCATED BELOW MCNARY DAM UNDER THE UMATILLA INTERSTATE BRIDGE

Water Years Sampled:

5 6			7								8										9					
9 0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
							X							X	X	X	X	X							X	X	X	X	X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	11.720	4.078	10	3.500	1.681	12	11.133	2.873	12	19.192	1.586	12	21.500	0.800
ZN	P1094	ug/L	7.000	4.359	3	6.000	1.633	4	7.000	2.646	3	5.667	2.082	3	12.000	4.000K
CD	P1113	ug/L	0.100	0.000	3	0.197	0.167	3	0.000	0.000	0	0.000	0.000	0	0.390	0.100K
PB	P1114	ug/L	1.000	0.000	3	1.000	0.000	3	0.000	0.000	0	0.000	0.000	0	1.000	1.000K
CR	P1118	ug/L	0.733	0.664	3	0.277	0.068	3	2.875	3.005	2	3.467	2.656	3	5.000	0.200K
CU	P1119	ug/L	2.667	0.577	3	2.250	0.500	4	0.000	0.000	0	0.000	0.000	0	3.000	2.000K
PRESS	P25	mmHg	760.640	6.130	10	757.845	8.022	11	754.367	5.514	12	753.825	3.932	12	768.900	738.600
OXYGEN	P300	mg/L	10.550	0.807	10	13.225	0.854	12	12.300	0.714	12	9.825	0.522	12	14.400	8.900
PCTSAT	P301	%	96.270	3.225	10	99.658	4.491	12	112.017	4.529	12	106.250	4.950	12	117.500	90.500
FC	P31616	#/100ml	75.222	135.417	9	7.500	11.131	12	3.917	2.999	12	26.083	80.021	12	400.000	1.000U
PH	P400	units	8.110	0.307	10	7.925	0.336	12	8.217	0.282	12	8.258	0.323	12	8.800	7.500
SUSSOL	P530	mg/L	11.600	15.636	10	35.750	112.823	12	6.917	1.311	12	6.833	2.209	12	394.000	2.000
FLOW	P60	CFS	129940.000	49188.350	10	146575.000	45166.080	12	192583.333	48586.302	12	124400.000	53925.386	12	300000.000	62900.000
TPN	P600	mg/L	0.311	0.037	3	0.408	0.034	3	0.210	0.079	3	0.151	0.025	3	0.447	0.119
NH3_N	P610	mg/L	0.017	0.006	10	0.012	0.004	12	0.014	0.006	12	0.016	0.008	12	0.036	0.004
NO2_DIS	P613	mg/L	0.010	0.000	7	0.010	0.000	9	0.009	0.003	9	0.010	0.000	9	0.010	0.001
NO2_NO3	P630	mg/L	0.174	0.085	10	0.289	0.114	12	0.168	0.148	12	0.028	0.020	12	0.577	0.010K
TP_P	P665	mg/L	0.027	0.007	10	0.023	0.007	12	0.024	0.008	12	0.019	0.006	12	0.042	0.010K
OP_DIS	P671	mg/L	0.017	0.012	9	0.015	0.006	12	0.011	0.003	12	0.013	0.008	12	0.047	0.005
HG	P71900	ug/L	0.047	0.006	3	0.044	0.005	5	0.041	0.032	4	0.109	0.134	5	0.300	0.001U
TURB	P82079	NTU	2.578	1.708	9	1.700	1.172	12	3.242	1.394	12	2.608	0.811	12	6.900	0.500
HARD	P900	mg/L	67.667	9.866	3	74.750	3.594	4	63.500	5.066	4	59.600	4.722	5	80.000	52.000
COND	P95	umhos	160.000	12.156	10	177.083	22.203	12	143.917	19.533	12	132.083	10.698	12	232.000	110.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 32A070 Name: WALLA WALLA R NR TOUCHET Class: B Elevation: 370 River Mile: 15.30

Location:
LOCATED AT A PRIVATE BRIDGE THREE RIVER MILES UPSTREAM FROM US HIGHWAY
12 BRIDGE NEAR REESE

Water Years Sampled:

5	6							7								8									9						
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
X	X	X	X	X	X	X	X					X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	9.183	4.992	18	5.100	2.657	17	14.983	5.019	18	22.939	3.357	18	28.400	0.000
PRESS	P25	mmHg	756.689	5.465	18	755.069	8.287	16	751.683	4.990	18	749.417	4.605	18	774.000	736.100
OXYGEN	P300	mg/L	12.422	1.453	18	12.200	1.120	16	10.300	1.201	18	10.929	1.913	17	15.600	8.000
PCTSAT	P301	%	108.283	20.073	18	95.463	4.096	16	101.453	7.086	17	124.769	22.714	16	190.900	85.000
FC	P31616	#/100ml	74.125	114.030	16	106.706	171.195	17	199.278	144.846	18	91.176	74.522	17	700.000	1.000
COD	P340	mg/L	9.000	7.071	2	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
PH	P400	units	8.206	0.337	18	7.800	0.226	17	8.006	0.244	18	8.500	0.393	18	9.000	7.300
SUSSOL	P530	mg/L	35.000	34.438	18	219.059	468.163	17	107.944	129.293	18	33.222	22.209	18	1800.000	4.000
FLOW	P60	CFS	155.100	219.270	18	710.941	397.293	17	688.056	584.253	18	21.233	18.776	18	1950.000	1.300
TPN	P600	mg/L	0.989	0.277	3	1.183	0.169	3	0.613	0.038	3	0.894	0.217	3	1.370	0.569
NH3_N	P610	mg/L	0.027	0.017	18	0.045	0.024	17	0.034	0.026	18	0.031	0.021	18	0.112	0.010K
NO2_DIS	P613	mg/L	0.013	0.006	15	0.010	0.000	14	0.010	0.002	15	0.012	0.006	14	0.030	0.006
NO2_N	P615	mg/L	0.017	0.012	3	0.010	0.000	3	0.015	0.007	2	0.017	0.006	3	0.030	0.010
NH3_UN	P619	mg/L	0.001	0.001	13	0.000	0.000	12	0.001	0.002	11	0.005	0.003	9	0.011	0.000
NO3_N	P620	mg/L	1.115	0.403	2	1.013	0.441	3	0.637	0.271	3	0.260	0.305	3	1.500	0.170
NO2_NO3	P630	mg/L	0.707	0.365	18	0.996	0.301	17	0.500	0.174	18	0.446	0.395	18	1.800	0.010K
TP_P	P665	mg/L	0.108	0.045	15	0.165	0.099	17	0.133	0.044	18	0.122	0.045	18	0.500	0.010K
OP_DIS	P671	mg/L	0.062	0.034	17	0.092	0.017	17	0.063	0.013	18	0.054	0.036	17	0.129	0.010K
COLOR	P80	Pt-Co	30.429	9.554	7	32.333	26.858	3	44.714	47.923	7	31.167	5.879	6	63.000	4.000
TURB	P82079	NTU	11.765	12.930	17	28.500	43.593	17	15.439	12.865	18	13.582	11.127	17	174.000	1.000
COND	P95	umhos	289.833	156.429	18	147.294	23.326	17	158.556	65.915	18	481.500	134.444	18	757.000	80.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 33A050 Name: SNAKE R NR PASCO Class: A Elevation: 330 River Mile: 2.20

Location:
LOCATED AT THE BRIDGE ON US HIGHWAY 12/395 NEAR BURBANK AT HOOD PARK

Water Years Sampled:

5	6							7								8								9						
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
		X	X	X	X	X	X		X					X																X	X	X	X	X	

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	11.990	4.294	10	3.650	1.448	12	11.592	2.971	12	19.717	1.731	12	22.600	1.600
PRESS	P25	mmHg	753.000	10.959	10	755.517	8.092	12	749.450	4.009	12	748.108	8.689	12	765.300	725.200
OXYGEN	P300	mg/L	9.710	1.253	10	12.658	0.789	12	11.575	1.089	12	8.942	0.892	12	14.600	7.500
PCTSAT	P301	%	89.710	4.783	10	96.158	5.804	12	107.250	9.524	12	98.383	8.600	12	125.700	83.100
FC	P31616	#/100ml	2.889	2.261	9	6.917	8.565	12	26.000	54.860	12	58.917	79.731	12	250.000	1.000K
COD	P340	mg/L	9.143	5.543	21	19.500	13.435	2	10.500	0.707	2	11.667	4.041	3	29.000	7.000
PH	P400	units	8.090	0.160	10	8.158	0.247	12	7.817	0.422	12	8.017	0.388	12	8.600	6.900
SUSSOL	P530	mg/L	4.700	1.703	10	7.917	8.702	12	12.417	8.005	12	11.583	10.475	12	30.000	2.000
FLOW	P60	CFS	26030.000	10118.635	10	32858.333	15913.143	12	61708.333	28804.749	12	24783.333	18340.161	12	103000.000	9000.000
TPN	P600	mg/L	0.728	0.165	3	1.200	0.053	3	0.497	0.283	3	0.247	0.044	3	1.240	0.199
NH3_N	P610	mg/L	0.017	0.005	10	0.021	0.011	12	0.020	0.009	12	0.020	0.014	12	0.052	0.010K
NO2_DIS	P613	mg/L	0.012	0.006	7	0.010	0.001	9	0.012	0.007	9	0.011	0.001	9	0.028	0.004
NO2_N	P615	mg/L	0.012	0.004	17	0.013	0.007	14	0.010	0.000	12	0.010	0.000	13	0.000	0.000
NH3_UN	P619	mg/L	0.000	0.001	19	0.000	0.000	19	0.001	0.004	17	0.001	0.001	15	0.000	0.000
NO3_N	P620	mg/L	0.638	0.144	13	0.809	0.148	14	0.380	0.389	13	0.163	0.085	10	0.000	0.000
NO2_NO3	P630	mg/L	0.430	0.195	10	0.858	0.274	12	0.579	0.359	12	0.376	0.474	12	1.390	0.033
TP_P	P665	mg/L	0.055	0.008	10	0.060	0.023	12	0.061	0.036	12	0.049	0.040	12	0.141	0.010K
OP_DIS	P671	mg/L	0.042	0.009	9	0.045	0.015	12	0.039	0.026	12	0.030	0.030	12	0.098	0.010K
COLOR	P80	Pt-Co	21.571	6.294	7	37.667	17.507	9	36.000	23.551	7	22.333	2.066	6	0.000	0.000
TURB	P82079	NTU	2.033	0.534	9	3.483	2.386	12	6.067	2.381	12	4.292	2.309	12	12.000	1.100
COND	P95	umhos	291.300	52.436	10	296.833	45.073	12	172.417	87.361	12	151.417	32.765	12	400.000	79.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 34A070 Name: PALOUSE R @ HOOPER Class: B Elevation: 1060 River Mile: 19.50

Location:
LOCATED IN "DOWNTOWN" HOOPER NEAR TRAIN TRACKS AT BRIDGE ON OLD HIGHWAY 26

Water Years Sampled:

5 6	7	8	9
9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6			
X X X X X X X X X X X X	X X X X X X X X X X X X	X X X X X X X X X X X X	X X X X X X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	6.789	4.525	18	3.213	2.128	15	13.356	4.487	18	20.339	3.089	18	26.300	0.000
ZN	P1094	ug/L	44.125	88.252	8	148.143	254.190	7	12.778	13.553	9	9.000	7.297	9	718.000	2.000K
CD	P1113	ug/L	0.157	0.053	7	0.715	0.913	6	0.163	0.060	7	0.147	0.064	7	2.390	0.100K
PB	P1114	ug/L	1.257	0.431	7	29.917	58.300	6	2.067	1.752	6	1.800	1.196	7	148.000	1.000K
CR	P1118	ug/L	1.013	0.350	6	4.382	3.305	5	2.223	2.485	7	1.210	1.199	7	9.390	0.200J
CU	P1119	ug/L	25.375	56.181	8	58.857	108.982	7	4.857	4.224	7	4.829	1.888	7	303.000	2.000V
PRESS	P25	mmHg	739.172	5.841	18	736.521	5.847	14	736.889	3.396	18	735.433	4.522	18	751.100	728.700
OXYGEN	P300	mg/L	11.872	1.368	18	11.960	1.797	15	10.172	1.306	18	8.612	1.236	17	13.900	6.500
PCTSAT	P301	%	98.950	5.693	18	92.007	12.792	15	98.665	8.266	17	97.875	17.619	16	158.000	48.400
FC	P31616	#/100ml	104.875	126.340	16	273.667	547.608	12	99.588	164.029	17	131.722	113.493	18	1700.000	1.000
COD	P340	mg/L	60.125	125.304	8	133.500	282.541	6	18.778	8.800	9	20.250	8.294	8	710.000	8.000
PH	P400	units	8.428	0.346	18	7.900	0.214	15	8.333	0.555	18	8.717	0.313	18	9.700	7.600
SUSSOL	P530	mg/L	64.444	165.104	18	1545.643	3606.178	14	81.333	81.969	18	42.824	39.643	17	13100.000	2.000
FLOW	P60	CFS	95.056	63.133	18	1181.067	1561.164	15	693.389	766.370	18	48.778	35.054	18	5010.000	2.000
TPN	P600	mg/L	1.818	1.093	3	2.283	0.488	3	0.827	0.327	3	0.489	0.130	3	2.910	0.386
NH3_N	P610	mg/L	0.043	0.063	18	0.109	0.122	14	0.046	0.053	18	0.047	0.075	17	0.380	0.009
NO2_DIS	P613	mg/L	0.013	0.008	15	0.018	0.006	12	0.014	0.007	15	0.013	0.011	14	0.050	0.007
NO2_N	P615	mg/L	0.013	0.006	3	0.023	0.015	3	0.010	0.000	2	0.013	0.006	3	0.020	0.010K
NH3_UN	P619	mg/L	0.006	0.013	11	0.001	0.001	9	0.002	0.002	12	0.004	0.003	9	0.046	0.000
NO3_N	P620	mg/L	2.650	2.051	2	3.633	1.607	3	0.907	0.519	3	0.060	0.087	3	4.800	0.160
NO2_NO3	P630	mg/L	1.349	1.051	18	3.099	1.069	15	1.104	0.867	18	0.239	0.436	18	5.040	0.010K
TP_P	P665	mg/L	0.203	0.121	16	0.244	0.144	15	0.145	0.076	17	0.152	0.062	18	0.605	0.010K
OP_DIS	P671	mg/L	0.165	0.126	18	0.141	0.056	15	0.090	0.047	18	0.075	0.057	18	0.386	0.010K
HG	P71900	ug/L	0.067	0.022	8	0.060	0.052	7	0.052	0.011	5	0.054	0.014	7	0.170	0.020K
COLOR	P80	Pt-Co	73.286	48.462	7	104.500	106.773	2	26.333	4.619	3	130.000	0.000	2	180.000	21.000
TURB	P82079	NTU	26.483	62.598	18	698.667	1972.389	15	31.922	37.324	18	18.789	16.033	18	7700.000	1.200
HARD	P900	mg/L	115.222	28.830	9	71.857	24.742	7	63.778	15.889	9	115.000	15.403	9	153.000	31.000
COND	P95	umhos	314.833	56.153	18	210.800	64.901	15	196.278	54.951	18	314.222	40.984	18	404.000	91.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 34A170 Name: PALOUSE R @ PALOUSE Class: A Elevation: 2090 River Mile: 121.20

Location:
LOCATED AT THE EASTERLY MOST BRIDGE IN PALOUSE NEAR THE GRAVEL PIT, .4 MILE EAST OF THE INTERSECTION OF STATE HIGHWAYS 6, 27, AND 272 ON STATE HIGHWAY 6 -- STATION MOVED 10/01/90 TO THE HIGHWAY 27 BRIDGE ENTERING

Water Years Sampled:

5	6						7								8								9						
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
																X															X	X	X	X		

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	4.833	4.326	9	1.150	2.081	8	11.300	6.481	9	17.889	3.993	9	23.700	0.000J
PRESS	P25	mmHg	705.311	5.522	9	703.886	4.492	7	708.900	19.560	9	702.344	2.608	9	760.700	696.500
OXYGEN	P300	mg/L	11.478	1.677	9	12.600	0.923	8	10.744	1.500	9	8.689	1.448	9	14.000	5.900
PCTSAT	P301	%	95.233	7.508	9	95.850	4.180	8	105.100	22.791	9	98.822	20.144	9	154.400	70.400
FC	P31616	#/100ml	93.625	162.755	8	90.857	211.404	7	431.222	1039.631	9	96.333	145.177	9	3200.000	1.000
PH	P400	units	7.878	0.148	9	7.675	0.212	8	8.022	0.327	9	8.622	0.424	9	9.200	7.400
SUSSOL	P530	mg/L	2.778	1.202	9	13.125	17.365	8	79.333	206.684	9	11.667	21.610	9	630.000	1.000K
FLOW	P60	CFS	29.556	21.593	9	159.250	118.415	8	327.778	499.477	9	15.333	14.283	9	1280.000	2.000
TPN	P600	mg/L	0.282	0.102	3	0.520	0.420	3	0.165	0.076	3	0.395	0.225	3	0.995	0.116
NH3_N	P610	mg/L	0.014	0.006	9	0.031	0.024	8	0.019	0.026	9	0.013	0.005	9	0.089	0.010K
NO2_DIS	P613	mg/L	0.010	0.000	6	0.010	0.000	5	0.010	0.000	6	0.010	0.000	6	0.010	0.010K
NO2_NO3	P630	mg/L	0.088	0.151	9	0.639	0.703	8	0.134	0.273	9	0.141	0.390	9	2.240	0.010K
TP_P	P665	mg/L	0.044	0.020	9	0.062	0.023	8	0.056	0.045	9	0.048	0.031	9	0.162	0.010K
OP_DIS	P671	mg/L	0.022	0.011	9	0.037	0.033	8	0.024	0.017	9	0.035	0.041	9	0.141	0.010K
TURB	P82079	NTU	4.856	3.780	9	22.550	31.614	8	29.089	64.271	9	8.289	16.825	9	200.000	1.100
COND	P95	umhos	87.333	16.210	9	80.875	24.666	8	62.222	14.524	9	84.000	24.135	9	142.000	35.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 35A150 Name: SNAKE R @ INTERSTATE BR Class: A Elevation: 705 River Mile: 139.60

Location:
LOCATED AT THE WASHINGTON-IDAHO INTERSTATE BRIDGE ON U S HIGHWAY 12 AT CLARKSTON

Water Years Sampled:

5 6							7								8								9					
9 0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
		X	X	X	X	X			X	X																				X	X	X	X	X		

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	10.440	5.035	10	3.150	1.518	12	11.875	2.819	12	20.200	2.588	12	24.600	1.200
PRESS	P25	mmHg	748.180	5.090	10	746.764	6.143	11	743.017	6.061	12	740.275	5.468	12	754.900	730.000
OXYGEN	P300	mg/L	10.740	1.515	10	12.900	0.697	12	10.442	0.668	12	8.933	0.460	12	13.900	8.100
PCTSAT	P301	%	96.070	3.067	10	97.808	1.861	12	98.150	3.086	12	100.358	4.281	12	106.600	90.900
FC	P31616	#/100ml	2.500	1.780	10	3.500	3.826	12	16.909	13.649	11	4.833	6.073	12	44.000	1.000K
CHL	P32211	ug/L	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	2.233	1.721	3	4.200	1.000J
PHEO	P32218	ug/L	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	0.720	0.416	3	6.300	0.470
PH	P400	units	8.280	0.092	10	8.242	0.284	12	8.225	0.283	12	8.367	0.167	12	8.900	7.700
SUSSOL	P530	mg/L	3.200	1.687	10	4.250	3.817	12	11.750	7.424	12	5.583	3.728	12	25.000	1.000
FLOW	P60	CFS	15700.000	2260.777	10	19140.000	5609.159	10	41716.667	22107.458	12	19802.500	8460.348	12	87100.000	9410.000
TPN	P600	mg/L	0.869	0.202	6	1.193	0.152	6	0.668	0.390	6	0.454	0.100	6	1.390	0.264
NH3_N	P610	mg/L	0.013	0.005	10	0.019	0.009	12	0.021	0.020	12	0.015	0.007	12	0.079	0.007
NO2_DIS	P613	mg/L	0.010	0.000	7	0.010	0.001	9	0.009	0.002	9	0.010	0.000	9	0.013	0.004
NO2_NO3	P630	mg/L	0.717	0.182	10	1.031	0.141	12	0.435	0.239	12	0.271	0.090	12	1.310	0.125
TP_P	P665	mg/L	0.063	0.013	10	0.061	0.015	11	0.047	0.029	12	0.036	0.010	12	0.128	0.021
OP_DIS	P671	mg/L	0.051	0.014	10	0.045	0.012	12	0.028	0.020	12	0.022	0.010	12	0.082	0.010K
TURB	P82079	NTU	1.320	0.257	10	3.075	3.148	12	5.400	5.959	12	2.092	1.270	12	23.000	0.700
COND	P95	umhos	377.800	27.182	10	377.250	53.015	12	209.167	64.835	12	262.500	67.567	12	474.000	123.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 36A070 Name: COLUMBIA R NR VERNITA

Class: A Elevation: 380 River Mile: 388.10

Location:
LOCATED ON STATE HIGHWAY 24 AT THE VERNITA BRIDGE APPROXIMATELY FIVE MILES NORTHEAST OF VERNITA

Water Years Sampled:

5 6			7								8										9									
9 0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
		X	X					X	X	X		X		X	X	X		X	X	X	X	X	X	X	X	X	X	X	X					X	X	

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	13.245	3.326	11	3.689	1.645	9	9.422	3.289	9	18.300	1.604	9	20.100	0.600
ZN	P1094	ug/L	7.500	3.665	8	20.333	32.272	6	13.000	4.147	6	7.667	7.090	6	86.000	2.000K
CD	P1113	ug/L	0.163	0.052	8	0.210	0.024	6	0.223	0.163	6	0.143	0.050	6	0.540	0.100K
PB	P1114	ug/L	1.063	0.177	8	1.317	0.422	6	1.020	0.045	5	1.100	0.245	6	1.900	1.000K
CR	P1118	ug/L	0.535	0.325	8	0.475	0.263	6	1.297	1.330	6	0.363	0.164	6	3.940	0.200K
CU	P1119	ug/L	3.200	2.199	8	8.100	13.675	6	2.667	1.211	6	4.000	1.095	6	36.000	2.000K
PRESS	P25	mmHg	754.800	5.823	11	749.889	14.014	9	751.967	2.744	9	748.156	9.423	9	776.000	721.400
OXYGEN	P300	mg/L	10.345	0.459	11	13.256	0.754	9	12.933	0.958	9	10.722	0.484	9	14.300	9.500
PCTSAT	P301	%	98.700	4.643	11	101.433	4.555	9	112.913	4.359	8	115.350	6.361	8	128.400	92.100
FC	P31616	#/100ml	1.600	1.578	10	1.000	0.000	9	2.000	1.414	9	1.625	0.916	8	6.000	1.000K
COD	P340	mg/L	4.857	0.900	7	9.333	8.779	6	9.200	2.387	5	8.500	1.225	6	27.000	4.000K
PH	P400	units	7.809	0.359	11	7.900	0.265	9	8.189	0.398	9	8.344	0.133	9	8.700	7.100
SUSSOL	P530	mg/L	2.364	1.286	11	1.778	0.833	9	4.556	1.509	9	3.333	1.000	9	7.000	1.000K
FLOW	P60	CFS	73027.273	26383.445	11	107244.444	22877.888	9	128077.778	30903.955	9	75788.889	57258.961	9	203000.000	40600.000
TPN	P600	mg/L	0.165	0.024	3	0.177	0.008	3	0.110	0.032	3	0.121	0.012	3	0.193	0.079
NH3_N	P610	mg/L	0.012	0.004	11	0.010	0.000	9	0.011	0.003	9	0.010	0.000	9	0.020	0.010K
NO2_DIS	P613	mg/L	0.009	0.003	8	0.010	0.000	6	0.010	0.000	6	0.010	0.000	5	0.010	0.002
NO2_N	P615	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	2	0.010	0.000	3	0.010	0.010K
NH3_UN	P619	mg/L	0.000	0.000	13	0.000	0.000	13	0.002	0.005	11	0.000	0.001	9	0.016	0.000
NO3_N	P620	mg/L	0.120	0.000	2	0.103	0.021	3	0.063	0.035	3	0.013	0.006	3	0.120	0.010
NO2_NO3	P630	mg/L	0.112	0.074	11	0.128	0.020	9	0.091	0.088	8	0.032	0.025	9	0.330	0.010K
TP_P	P665	mg/L	0.020	0.006	9	0.030	0.035	9	0.021	0.014	9	0.018	0.008	9	0.120	0.010K
OP_DIS	P671	mg/L	0.013	0.005	11	0.012	0.004	9	0.011	0.003	9	0.010	0.000	8	0.020	0.010K
HG	P71900	ug/L	0.075	0.023	8	0.040	0.022	6	0.060	0.000	3	0.070	0.033	6	0.130	0.020K
COLOR	P80	Pt-Co	8.857	3.185	7	9.667	2.887	3	12.714	7.847	7	13.667	1.633	6	13.000	1.000
TURB	P82079	NTU	1.000	0.190	11	1.022	0.383	9	1.633	0.646	9	1.163	0.106	8	3.000	0.700
HARD	P900	mg/L	65.375	4.534	8	74.000	5.215	6	68.400	9.423	5	63.167	4.792	6	84.000	58.000
COND	P95	umhos	134.818	10.458	11	158.556	10.725	9	141.667	14.543	9	133.444	8.762	9	178.000	112.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 37A090   Name: YAKIMA R @ KIONA   Class: A   Elevation: 460   River Mile: 29.80

Location:
LOCATED .1 MILE NORTHWEST OF HIGHWAY 12 AND KIONA AND SOUTHEAST OF BENTON CITY

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Water Years Sampled:
5 6                    7                   8                   9
9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
X X X X         X X X X X X X X X X X X X X X X X X X X X X X X X X X X
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VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	8.956	4.341	18	4.550	2.553	18	14.944	3.388	18	20.606	2.994	18	25.400	0.000
PRESS	P25	mmHg	752.494	7.971	18	752.806	8.188	18	751.439	3.618	18	750.400	4.246	18	774.000	726.900
OXYGEN	P300	mg/L	11.678	1.260	18	12.628	1.493	18	9.872	1.477	18	9.206	1.055	18	15.500	7.400
PCTSAT	P301	%	101.022	8.634	18	98.111	8.295	18	96.853	11.770	17	102.441	14.362	17	130.200	81.100
FC	P31616	#/100ml	40.875	25.366	16	19.000	18.257	16	42.444	36.381	18	58.765	33.894	17	120.000	1.000K
COD	P340	mg/L	7.500	3.507	6	10.167	3.430	6	15.500	3.271	6	11.000	4.290	6	20.000	4.000K
PH	P400	units	8.133	0.325	18	7.950	0.290	18	8.122	0.308	18	8.256	0.271	18	8.900	7.400
SUSSOL	P530	mg/L	17.222	19.371	18	17.444	16.536	18	37.500	27.532	18	22.611	9.696	18	98.000	1.000
FLOW	P60	CFS	2328.889	1922.495	18	2775.556	1169.893	18	2694.500	1259.954	18	1385.778	479.512	18	9850.000	580.000
TPN	P600	mg/L	1.757	0.078	3	1.567	0.251	3	1.048	0.454	3	1.134	0.272	3	1.820	0.744
NH3_N	P610	mg/L	0.031	0.016	18	0.069	0.054	18	0.021	0.011	18	0.021	0.010	18	0.209	0.006
NO2_DIS	P613	mg/L	0.016	0.006	15	0.013	0.004	15	0.010	0.001	15	0.015	0.005	14	0.030	0.008
NO2_N	P615	mg/L	0.023	0.012	3	0.010	0.000	3	0.010	0.000	2	0.020	0.000	3	0.030	0.010
NH3_UN	P619	mg/L	0.001	0.001	13	0.001	0.001	12	0.001	0.002	11	0.002	0.001	9	0.004	0.000
NO3_N	P620	mg/L	1.300	0.000	2	0.877	0.577	3	0.597	0.289	3	1.300	0.100	3	1.500	0.360
NO2_NO3	P630	mg/L	1.332	0.306	18	1.004	0.388	18	0.580	0.272	18	0.884	0.377	18	1.750	0.065
TP_P	P665	mg/L	0.103	0.016	16	0.109	0.044	18	0.091	0.036	18	0.107	0.046	18	0.216	0.017
OP_DIS	P671	mg/L	0.077	0.016	17	0.066	0.024	18	0.039	0.016	18	0.066	0.028	17	0.120	0.010K
COLOR	P80	Pt-Co	17.571	5.381	7	14.333	2.309	3	24.714	15.283	7	19.667	3.266	6	25.000	1.000
TURB	P82079	NTU	4.511	4.587	18	5.078	3.601	18	8.472	4.675	18	7.400	4.101	17	21.000	1.000
COND	P95	umhos	268.611	46.975	18	223.556	49.494	18	205.444	47.197	18	267.333	27.134	18	325.000	109.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 37A130 Name: YAKIMA R @ MABTON

Class: A Elevation: 643 River Mile: 59.80

Location:
LOCATED AT BRIDGE ON SUNNYSIDE-GRANDVIEW EXIT FROM HIGHWAY 22 NEAR MABTON TO SECOND BRIDGE (1.3 MILES)

Water Years Sampled:

5	6						7								8								9						
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
												X			X	X															X					

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	7.833	4.043	3	5.700	2.042	3	14.733	2.802	3	19.133	3.430	3	21.500	4.100
PRESS	P25	mmHg	749.367	4.244	3	747.167	4.065	3	745.933	1.501	3	743.467	1.537	3	752.300	741.700
OXYGEN	P300	mg/L	10.967	0.850	3	11.867	0.577	3	9.200	1.114	3	8.600	0.361	3	12.200	8.200
PCTSAT	P301	%	93.000	3.659	3	96.000	1.539	3	91.533	7.012	3	94.167	3.424	3	97.800	83.600
FC	P31616	#/100ml	165.000	63.640	2	117.000	56.454	3	166.667	41.633	3	586.667	533.510	3	1200.000	71.000
PH	P400	units	8.033	0.289	3	7.933	0.153	3	8.167	0.208	3	8.133	0.153	3	8.400	7.700
SUSSOL	P530	mg/L	12.667	9.074	3	14.333	8.083	3	25.333	3.215	3	30.333	11.015	3	43.000	6.000
FLOW	P60	CFS	1513.333	144.338	3	1750.000	395.095	3	1842.667	1082.682	3	916.667	241.160	3	3050.000	655.000
TPN	P600	mg/L	1.730	0.144	3	1.397	0.292	3	0.932	0.349	3	1.303	0.186	3	1.850	0.679
NH3_N	P610	mg/L	0.044	0.002	3	0.056	0.025	3	0.022	0.013	3	0.063	0.052	3	0.123	0.010K
NO2_NO3	P630	mg/L	1.483	0.185	3	1.163	0.341	3	0.783	0.338	3	1.038	0.164	3	1.600	0.505
TP_P	P665	mg/L	0.094	0.008	3	0.089	0.002	3	0.079	0.021	3	0.127	0.022	3	0.150	0.056
OP_DIS	P671	mg/L	0.075	0.001	2	0.056	0.013	3	0.046	0.009	3	0.074	0.012	3	0.086	0.039
TURB	P82079	NTU	5.967	3.156	3	6.467	4.077	3	12.333	0.577	3	15.667	4.509	3	20.000	3.100
COND	P95	umhos	263.000	14.799	3	250.667	44.095	3	207.333	45.501	3	245.667	31.342	3	290.000	162.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 37A210 Name: YAKIMA R NR TERRACE HEIGHT Class: A Elevation: 1020 River Mile: 113.20

Location:
AT BRIDGE ON TERRACE HEIGHTS ROAD THREE BLOCKS EAST OF US HIGHWAY 97

Water Years Sampled:

5	6							7								8								9						
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
												X	X		X	X															X					

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	5.967	4.359	3	4.300	1.916	3	10.167	2.050	3	16.433	2.281	3	17.800	3.000
PRESS	P25	mmHg	738.067	5.050	3	736.633	4.388	3	737.433	6.391	3	733.300	1.562	3	744.200	731.500
OXYGEN	P300	mg/L	12.100	1.277	3	12.467	0.551	3	10.733	0.751	3	9.933	0.153	3	13.200	9.800
PCTSAT	P301	%	99.200	2.551	3	98.733	3.179	3	97.833	2.065	3	104.633	5.468	3	109.000	95.100
FC	P31616	#/100ml	22.000	21.213	2	8.333	1.528	3	35.667	14.978	3	30.667	11.240	3	48.000	7.000
PH	P400	units	8.133	0.231	3	8.067	0.115	3	8.000	0.200	3	8.200	0.361	3	8.600	7.800
SUSSOL	P530	mg/L	8.000	2.646	3	8.333	2.082	3	11.333	2.309	3	11.000	3.464	3	15.000	6.000
FLOW	P60	CFS	1423.333	275.379	3	1750.000	770.909	3	3050.000	831.625	3	2830.000	373.229	3	3990.000	1240.000
TPN	P600	mg/L	0.403	0.098	3	0.337	0.129	3	0.146	0.041	3	0.184	0.042	3	0.487	0.106
NH3_N	P610	mg/L	0.018	0.008	3	0.015	0.008	3	0.015	0.009	3	0.012	0.004	3	0.027	0.010K
NO2_NO3	P630	mg/L	0.282	0.092	3	0.216	0.133	3	0.085	0.042	3	0.069	0.022	3	0.359	0.044
TP_P	P665	mg/L	0.031	0.006	3	0.033	0.008	3	0.027	0.014	3	0.023	0.006	3	0.042	0.010
OP_DIS	P671	mg/L	0.023	0.010	3	0.019	0.009	3	0.014	0.006	3	0.011	0.001	3	0.033	0.010K
TURB	P82079	NTU	4.067	0.751	3	2.700	0.458	3	4.633	1.286	3	3.833	0.321	3	6.100	2.200
COND	P95	umhos	141.000	24.515	3	148.667	25.502	3	99.500	2.121	2	91.667	17.954	3	174.000	78.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 37F070 Name: SULFUR CK WASTEWAY @ MCGEE RD Class: B Elevation: 680 River Mile: 1.70

Location:

Water Years Sampled:
5 6 7 8 9
9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	9.233	2.281	3	7.967	0.351	3	12.267	2.532	3	16.000	2.800	3	18.000	7.200
PRESS	P25	mmHg	749.800	4.636	3	747.167	4.065	3	745.933	1.501	3	743.367	1.443	3	753.100	741.700
OXYGEN	P300	mg/L	9.700	0.500	3	9.800	0.100	3	9.200	0.755	3	9.433	1.102	3	10.700	8.500
PCTSAT	P301	%	85.333	4.601	3	84.100	1.153	3	86.933	2.639	3	97.533	16.061	3	115.100	80.800
FC	P31616	#/100ml	1755.000	1760.696	2	1110.000	445.309	3	1533.333	208.167	3	2210.000	1305.871	3	3200.000	510.000
PH	P400	units	8.067	0.153	3	8.433	0.252	3	8.133	0.058	3	8.133	0.351	3	8.700	7.800
SUSSOL	P530	mg/L	41.000	38.432	3	45.000	21.378	3	106.667	60.086	3	39.667	26.102	3	171.000	10.000
FLOW	P60	CFS	133.233	113.252	3	48.733	3.591	3	129.067	66.870	3	100.867	24.039	3	264.000	46.000
TPN	P600	mg/L	5.260	2.010	3	7.297	0.170	3	2.863	1.018	3	3.557	0.471	3	7.460	1.700
NH3_N	P610	mg/L	0.211	0.140	3	0.296	0.048	3	0.048	0.042	3	0.068	0.044	3	0.351	0.023
NO2_NO3	P630	mg/L	4.693	1.904	3	5.807	0.655	3	2.687	1.038	3	3.297	0.583	3	6.540	1.490
TP_P	P665	mg/L	0.174	0.037	3	0.222	0.023	3	0.191	0.097	3	0.200	0.040	3	0.296	0.104
OP_DIS	P671	mg/L	0.101	0.008	2	0.152	0.014	3	0.092	0.031	3	0.144	0.052	3	0.203	0.062
TURB	P82079	NTU	8.533	3.782	3	12.133	6.021	3	34.667	21.962	3	18.333	8.021	3	60.000	4.500
COND	P95	umhos	513.333	170.342	3	697.000	38.158	3	343.667	86.008	3	385.000	39.950	3	741.000	249.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 41A070 Name: CRAB CR NR BEVERLY Class: B Elevation: 500 River Mile: 6.00

Location:
LOCATED 6 MILES FROM THE MOUTH OF CRAB CREEK AT THE BRIDGE ON LOWER
CRAB CREEK ROAD, ABOUT 5.6 MILES FROM BEVERLY

Water Years Sampled:

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5 6                 7                   8                   9
9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
X X X X X X X X X X X X X X     X X   X X X X X X X X X X X X X X     X X
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VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	8.450	3.454	12	6.083	3.010	12	15.217	2.689	12	20.592	2.288	12	23.700	2.000
PRESS	P25	mmHg	748.992	16.020	12	753.167	5.667	12	747.575	3.748	12	744.583	3.906	12	763.000	702.300
OXYGEN	P300	mg/L	12.108	1.434	12	13.300	1.205	12	10.492	1.096	12	10.067	0.815	12	14.900	8.700
PCTSAT	P301	%	103.908	5.927	12	108.592	16.876	12	104.864	10.032	11	113.482	7.965	11	133.200	89.700
FC	P31616	#/100ml	59.273	81.984	11	12.083	12.986	12	142.083	193.919	12	105.083	97.846	12	720.000	1.000K
PH	P400	units	8.350	0.278	12	8.658	0.312	12	8.592	0.178	12	8.550	0.173	12	9.100	7.900
SUSSOL	P530	mg/L	12.083	5.435	12	20.000	6.647	12	87.167	40.463	12	45.455	35.115	11	195.000	3.000
FLOW	P60	CFS	248.500	61.923	12	171.417	33.124	12	235.167	30.111	12	272.583	37.459	12	347.000	125.000
TPN	P600	mg/L	2.297	0.593	3	3.323	0.158	3	1.357	0.162	3	1.433	0.207	3	3.460	1.170
NH3_N	P610	mg/L	0.017	0.008	12	0.024	0.031	12	0.017	0.009	12	0.017	0.008	12	0.120	0.010K
NO2_DIS	P613	mg/L	0.011	0.003	9	0.013	0.005	9	0.012	0.005	9	0.014	0.005	9	0.021	0.010K
NO2_N	P615	mg/L	0.013	0.006	3	0.017	0.006	3	0.020	0.000	2	0.013	0.006	3	0.020	0.010
NH3_UN	P619	mg/L	0.001	0.000	13	0.002	0.001	12	0.003	0.001	10	0.002	0.002	10	0.007	0.000
NO3_N	P620	mg/L	2.600	0.917	3	3.000	0.624	3	1.200	0.707	2	1.095	0.573	2	3.700	0.690
NO2_NO3	P630	mg/L	2.276	0.965	12	3.002	0.276	12	1.195	0.195	12	1.234	0.120	12	3.630	0.150
TP_P	P665	mg/L	0.071	0.030	10	0.132	0.049	12	0.116	0.047	12	0.071	0.024	11	0.230	0.028
OP_DIS	P671	mg/L	0.054	0.031	12	0.056	0.034	12	0.021	0.014	12	0.013	0.004	12	0.140	0.010K
COLOR	P80	Pt-Co	25.000	5.657	2	107.500	74.246	2	19.667	6.110	3	43.333	19.035	3	160.000	13.000
TURB	P82079	NTU	3.133	1.625	12	6.233	2.358	12	17.800	7.528	12	11.625	7.563	12	31.000	0.800
COND	P95	umhos	709.833	105.858	12	819.750	58.233	12	563.917	46.913	12	526.091	29.579	11	995.000	462.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 41A110 Name: CRAB CR NR MOSES LAKE Class: B Elevation: 1075 River Mile: 63.00

Location:
LOCATED FOUR MILES NORTH OF MOSES LAKE .5 MILES EAST OF MOSES LAKE-STRATFORD ROAD (MILITARY RESERVATION BOUNDARY SOUTHEAST CORNER OF SECTION 27-- ROAD FOLLOWS SECTION LINE BETWEEN SECTIONS 26 AND 35)

Water Years Sampled:

5 6	7	8	9
9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6			
X		X X X X	X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	7.000	5.703	3	2.233	0.814	3	11.300	3.318	3	17.367	2.098	3	19.000	1.300
PRESS	P25	mmHg	736.333	5.632	3	738.367	8.011	3	733.967	4.202	3	735.233	4.477	3	745.500	729.700
OXYGEN	P300	mg/L	12.633	1.115	3	12.167	0.751	3	11.200	1.054	3	11.433	0.416	3	13.900	10.200
PCTSAT	P301	%	107.300	14.744	3	91.233	5.164	3	105.900	14.562	3	122.667	9.063	3	129.900	86.600
FC	P31616	#/100ml	30.333	18.930	3	19.333	14.048	3	47.000	20.881	3	91.000	85.983	3	190.000	6.000
PH	P400	units	8.100	0.265	3	8.300	0.100	3	8.267	0.153	3	8.133	0.058	3	8.400	7.800
SUSSOL	P530	mg/L	5.333	5.774	3	7.000	2.646	3	20.333	21.221	3	14.667	2.082	3	44.000	2.000
FLOW	P60	CFS	31.000	13.528	3	12.333	5.132	3	18.000	11.000	3	44.667	4.041	3	49.000	7.000
TPN	P600	mg/L	1.573	0.202	3	1.437	0.320	3	0.668	0.154	3	0.979	0.105	3	1.790	0.537
NH3_N	P610	mg/L	0.020	0.015	3	0.047	0.024	3	0.014	0.004	3	0.011	0.002	3	0.068	0.010K
NO2_N	P615	mg/L	0.030	0.000	3	0.043	0.012	3	0.017	0.012	3	0.020	0.010	3	0.000	0.000
NH3_UN	P619	mg/L	0.001	0.001	3	0.001	0.000	3	0.002	0.001	3	0.000	0.001	3	0.000	0.000
NO3_N	P620	mg/L	1.150	0.354	2	0.757	0.605	3	0.420	0.468	3	0.970	0.289	3	0.000	0.000
NO2_NO3	P630	mg/L	1.249	0.238	3	1.147	0.295	3	0.377	0.147	3	0.870	0.089	3	1.450	0.280
TP_P	P665	mg/L	0.047	0.025	3	0.073	0.014	3	0.041	0.009	3	0.021	0.004	3	0.083	0.017
OP_DIS	P671	mg/L	0.029	0.021	3	0.054	0.015	3	0.010	0.001	3	0.010	0.001	3	0.064	0.010K
COLOR	P80	Pt-Co	21.000	4.000	3	36.333	17.214	3	40.333	8.737	3	23.667	6.110	3	0.000	0.000
TURB	P82079	NTU	1.433	0.651	3	2.533	1.501	3	4.833	3.917	3	4.633	0.462	3	9.100	0.800
COND	P95	umhos	552.333	65.501	3	645.000	44.508	3	481.333	93.308	3	447.000	56.824	3	696.000	387.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 45A070 Name: WENATCHEE R @ WENATCHEE Class: A Elevation: 600 River Mile: 1.10

Location:
LOCATED 1.1 MILES FROM THE MOUTH OF THE WENATCHEE RIVER, 1.5 MILES NORTH OF WENATCHEE AT THE BRIDGE CROSSING HIGHWAYS 2-97

Water Years Sampled:

5	6							7								8												9					
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
		X	X	X	X	X	X	X		X	X		X			X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	7.141	3.861	17	3.633	1.940	15	8.950	2.231	18	17.024	2.580	17	21.200	0.000
PRESS	P25	mmHg	745.418	4.773	17	744.067	6.337	15	741.667	4.360	18	741.089	3.879	18	757.700	734.300
OXYGEN	P300	mg/L	13.359	0.920	17	13.780	0.984	15	12.178	1.093	18	10.628	0.848	18	15.400	9.500
PCTSAT	P301	%	111.982	8.561	17	105.947	3.888	15	106.806	5.114	17	109.718	10.595	17	134.500	84.600
FC	P31616	#/100ml	8.118	11.224	17	13.000	30.820	15	6.625	10.105	16	23.471	31.341	17	130.000	1.000K
COD	P340	mg/L	8.143	1.952	7	6.800	1.789	5	9.167	2.787	6	5.167	1.169	6	12.000	4.000K
PH	P400	units	8.065	0.640	17	8.027	0.461	15	7.718	0.597	17	8.156	0.655	18	9.400	6.800
SUSSOL	P530	mg/L	6.000	7.794	17	6.333	8.355	15	11.111	12.112	18	3.125	1.668	16	44.000	1.000K
FLOW	P60	CFS	2905.941	5375.396	17	1646.533	669.482	15	6376.111	3076.354	18	1606.056	1710.581	18	22700.000	302.000
TPN	P600	mg/L	0.362	0.105	3	0.252	0.047	3	0.101	0.033	3	0.252	0.141	3	0.482	0.072
NH3_N	P610	mg/L	0.011	0.003	17	0.011	0.002	15	0.012	0.005	18	0.013	0.008	18	0.040	0.010K
NO2_DIS	P613	mg/L	0.010	0.000	14	0.010	0.000	12	0.010	0.000	15	0.010	0.000	15	0.010	0.010K
NO2_N	P615	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	2	0.010	0.000	3	0.010	0.010K
NH3_UN	P619	mg/L	0.001	0.001	12	0.000	0.001	9	0.001	0.001	8	0.002	0.002	10	0.008	0.000
NO3_N	P620	mg/L	0.167	0.055	3	0.107	0.057	3	0.060	0.028	2	0.185	0.120	2	0.270	0.040
NO2_NO3	P630	mg/L	0.160	0.092	17	0.109	0.049	15	0.045	0.020	18	0.151	0.088	18	0.342	0.010K
TP_P	P665	mg/L	0.013	0.004	15	0.019	0.019	15	0.013	0.006	18	0.012	0.003	18	0.080	0.010K
OP_DIS	P671	mg/L	0.010	0.000	17	0.010	0.000	15	0.010	0.000	17	0.010	0.000	18	0.010	0.010K
COLOR	P80	Pt-Co	14.000	4.041	7	14.500	14.849	2	15.000	19.799	2	12.000	19.053	3	34.000	1.000
TURB	P82079	NTU	3.847	8.774	17	1.447	2.128	15	1.894	1.444	18	1.059	0.557	17	37.000	0.300
COND	P95	umhos	68.294	22.828	17	67.933	9.874	15	46.833	18.260	18	63.278	16.740	18	109.000	28.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 45A110 Name: WENATCHEE R NR LEAVENWORTH Class: AA Elevation: 1665 River Mile: 35.60

Location:
LOCATED AT THE UPPER END OF TUMWATER CANYON ON THE US HIGHWAY 2 BRIDGE
AT TUMWATER CAMPGROUND

Water Years Sampled:

5 6	7	8	9
9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6			
		X X X X X X X X X X X X X X X X X X X X X X X X	

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	6.378	3.359	18	2.456	1.451	18	7.194	2.164	18	14.718	2.489	17	19.200	0.000
PRESS	P25	mmHg	718.561	6.769	18	719.383	5.500	18	717.483	3.357	18	718.765	5.157	17	735.100	708.000
OXYGEN	P300	mg/L	12.017	1.158	18	12.944	0.494	18	11.578	0.742	18	9.744	0.430	16	14.400	9.200
PCTSAT	P301	%	102.333	4.336	18	99.956	2.710	18	100.529	3.274	17	101.340	4.143	15	114.300	93.700
FC	P31616	#/100ml	2.667	2.275	18	1.176	0.728	17	1.824	2.430	17	2.824	2.481	17	11.000	1.000K
PH	P400	units	7.665	0.562	17	7.522	0.556	18	7.588	0.620	17	7.688	0.433	17	8.600	6.000
SUSSOL	P530	mg/L	4.722	6.702	18	6.056	8.755	18	7.833	8.590	18	2.188	0.834	16	36.000	1.000K
FLOW	P60	CFS	1717.944	2685.862	18	1211.833	598.294	18	4774.444	2372.899	18	1392.706	1463.738	17	11300.000	243.000
TPN	P600	mg/L	0.100	0.041	3	0.125	0.022	3	0.107	0.048	3	0.037	0.022	2	0.152	0.021
NH3_N	P610	mg/L	0.011	0.002	18	0.012	0.004	18	0.011	0.002	18	0.012	0.007	17	0.030	0.010K
NO2_DIS	P613	mg/L	0.010	0.000	14	0.009	0.002	15	0.010	0.000	15	0.010	0.000	15	0.010	0.001K
NO2_N	P615	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	2	0.010	0.000	3	0.010	0.010K
NH3_UN	P619	mg/L	0.000	0.000	12	0.000	0.000	12	0.000	0.000	8	0.000	0.001	10	0.003	0.000
NO3_N	P620	mg/L	0.030	0.028	2	0.043	0.006	3	0.045	0.007	2	0.015	0.007	2	0.050	0.010K
NO2_NO3	P630	mg/L	0.028	0.018	18	0.055	0.023	18	0.053	0.018	18	0.012	0.005	17	0.139	0.010K
TP_P	P665	mg/L	0.011	0.003	16	0.015	0.017	18	0.015	0.014	18	0.011	0.002	17	0.080	0.002K
OP_DIS	P671	mg/L	0.010	0.000	17	0.010	0.001	18	0.010	0.000	17	0.010	0.000	16	0.010	0.004
COLOR	P80	Pt-Co	4.000	0.000	2	6.667	2.309	3	5.000	6.928	3	15.000	19.799	2	29.000	1.000
TURB	P82079	NTU	1.184	0.821	18	1.000	0.700	18	1.450	0.821	18	0.906	0.445	16	3.400	0.020
COND	P95	umhos	41.222	13.888	18	38.222	6.638	18	33.000	9.659	18	37.941	8.927	17	85.000	20.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 46A070 Name: ENTIAT R NR ENTIAT Class: A Elevation: 660 River Mile: 1.50

Location:
LOCATED AT A PRIVATE BRIDGE 1.2 MILES FROM HIGHWAY 97 JUST OFF THE ENTIAT RIVER ROAD APPROXIMATELY 1.5 MILES WEST OF ENTIAT

Water Years Sampled:

5	6						7								8												9					
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
X	X	X	X	X	X	X	X	X				X			X	X		X	X	X	X	X	X	X	X	X	X	X			X	X		

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	5.708	4.191	12	2.967	2.246	12	8.175	1.355	12	16.417	2.268	12	19.400	0.000
PRESS	P25	mmHg	742.842	5.529	12	743.850	5.183	12	739.775	4.432	12	737.958	4.176	12	753.000	729.700
OXYGEN	P300	mg/L	12.825	1.110	12	13.200	0.920	12	11.842	0.516	12	9.983	0.513	12	14.600	9.100
PCTSAT	P301	%	103.733	3.559	12	99.758	3.779	12	102.509	4.604	11	104.655	4.864	11	115.000	92.300
FC	P31616	#/100ml	5.417	8.207	12	8.750	13.732	12	17.667	29.398	12	5.909	4.505	11	97.000	1.000K
PH	P400	units	7.942	0.312	12	8.033	0.342	12	8.000	0.495	12	8.042	0.427	12	9.200	7.200
SUSSOL	P530	mg/L	9.167	16.770	12	4.417	3.872	12	15.000	12.884	12	3.455	1.864	11	61.000	1.000K
FLOW	P60	CFS	323.222	215.348	9	154.222	61.569	9	1403.889	838.256	9	352.444	358.196	9	2600.000	67.000
TPN	P600	mg/L	0.251	0.024	3	0.169	0.066	3	0.075	0.054	3	0.158	0.075	3	0.271	0.029
NH3_N	P610	mg/L	0.010	0.000	12	0.011	0.003	12	0.010	0.000	12	0.012	0.004	11	0.020	0.010K
NO2_DIS	P613	mg/L	0.010	0.000	9	0.009	0.003	9	0.010	0.000	9	0.010	0.000	9	0.010	0.002
NO2_N	P615	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	2	0.010	0.000	3	0.010	0.010K
NH3_UN	P619	mg/L	0.000	0.001	13	0.000	0.000	12	0.001	0.001	8	0.001	0.001	10	0.003	0.000
NO3_N	P620	mg/L	0.100	0.014	2	0.120	0.066	3	0.020	0.014	2	0.140	0.099	2	0.210	0.010
NO2_NO3	P630	mg/L	0.106	0.067	12	0.110	0.049	12	0.020	0.010	12	0.070	0.047	12	0.199	0.010K
TP_P	P665	mg/L	0.012	0.004	10	0.021	0.026	12	0.015	0.006	12	0.011	0.003	11	0.100	0.002
OP_DIS	P671	mg/L	0.010	0.000	12	0.009	0.002	12	0.010	0.000	12	0.010	0.000	12	0.010	0.003
COLOR	P80	Pt-Co	8.000	0.000	2	12.333	11.150	3	3.333	4.041	3	11.000	14.142	2	25.000	1.000
TURB	P82079	NTU	1.392	1.313	12	0.850	0.261	12	1.958	1.281	12	0.864	0.467	11	5.000	0.300
COND	P95	umhos	80.667	23.604	12	93.417	13.318	12	55.000	21.688	12	75.083	20.429	12	120.000	32.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 47A070 Name: CHELAN R @ CHELAN

Class: LC Elevation: 660 River Mile: 4.80

Location:
LOCATED 4.8 MILES FROM THE MOUTH OF THE CHELAN RIVER AT THE OUTLET OF LAKE CHELAN FROM THE BRIDGE ON HIGHWAY 97

Water Years Sampled:

5	6									7										8										9					
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
	X	X	X	X	X	X	X	X		X	X		X			X	X		X	X	X	X	X	X	X	X	X	X	X	X				X		

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	11.908	3.560	12	4.967	1.080	12	14.117	3.697	12	20.658	1.769	12	23.500	3.000
PRESS	P25	mmHg	731.917	5.092	12	733.900	4.606	12	730.883	4.723	12	729.625	4.088	12	742.000	722.400
OXYGEN	P300	mg/L	10.450	0.688	12	11.842	0.193	12	10.392	0.853	12	9.017	0.262	12	12.200	8.800
PCTSAT	P301	%	99.800	5.271	12	95.808	3.127	12	103.482	5.074	11	103.718	3.334	11	110.700	88.900
FC	P31616	#/100ml	11.583	36.036	12	1.000	0.000	12	6.083	15.222	12	4.167	6.088	12	126.000	1.000U
CHL	P32211	ug/L	1.044	0.952	5	5.000	0.000	2	0.140	0.135	4	0.130	0.092	6	5.000	0.010K
PHEO	P32218	ug/L	0.970	0.963	5	5.000	0.000	2	0.220	0.194	4	0.153	0.066	6	5.000	0.010K
COD	P340	mg/L	5.429	1.272	7	4.833	1.329	6	5.167	1.169	6	5.500	1.975	6	8.000	4.000K
PH	P400	units	7.933	0.306	12	8.250	0.288	12	7.867	0.438	12	8.075	0.283	12	8.800	7.100
SUSSOL	P530	mg/L	1.750	1.055	12	1.250	0.452	12	1.833	1.337	12	1.417	0.793	12	5.000	1.000K
FLOW	P60	CFS	2023.333	191.707	12	2157.500	114.346	12	1908.333	1329.264	12	1955.917	1014.048	12	5120.000	0.000
TPN	P600	mg/L	0.083	0.009	3	0.109	0.022	3	0.066	0.022	3	0.049	0.015	3	0.135	0.032
NH3_N	P610	mg/L	0.011	0.003	12	0.011	0.003	12	0.010	0.001	12	0.012	0.004	12	0.020	0.010K
NO2_DIS	P613	mg/L	0.010	0.000	9	0.009	0.003	9	0.010	0.000	9	0.010	0.000	9	0.010	0.001
NO2_N	P615	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	2	0.010	0.000	3	0.010	0.010K
NH3_UN	P619	mg/L	0.000	0.001	13	0.000	0.000	12	0.000	0.000	8	0.000	0.001	10	0.002	0.000
NO3_N	P620	mg/L	0.025	0.007	2	0.033	0.021	3	0.030	0.000	2	0.020	0.014	2	0.050	0.010
NO2_NO3	P630	mg/L	0.018	0.008	12	0.053	0.009	12	0.040	0.012	12	0.016	0.009	12	0.070	0.010K
TP_P	P665	mg/L	0.012	0.006	10	0.024	0.037	12	0.012	0.004	11	0.010	0.002	12	0.127	0.004
OP_DIS	P671	mg/L	0.010	0.000	12	0.009	0.002	12	0.010	0.000	12	0.010	0.000	12	0.010	0.002
COLOR	P80	Pt-Co	6.000	2.828	2	4.000	0.000	3	2.000	1.732	3	11.000	14.142	2	21.000	1.000
TURB	P82079	NTU	0.733	0.293	12	0.742	0.329	12	1.575	1.955	12	0.575	0.270	12	7.600	0.200
COND	P95	umhos	53.000	5.721	12	58.333	7.992	12	57.083	9.510	12	55.167	5.997	12	76.000	45.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 48A070 Name: METHOW R NR PATEROS Class: A Elevation: 870 River Mile: 5.00

Location:
LOCATED 5 MILES FROM THE MOUTH OF THE METHOW RIVER, 3.6 MILES FROM THE JUNCTION OF HIGHWAYS 153 AND 97 AT THE BRIDGE ON HIGHWAY 153 NORTHWEST OF PATEROS

Water Years Sampled:

5	6						7								8										9					
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
X	X	X	X	X	X	X	X					X				X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	5.389	3.869	18	3.500	2.565	16	9.511	2.109	18	15.506	2.519	18	19.800	-0.100
PRESS	P25	mmHg	737.728	6.602	18	739.156	6.183	16	736.444	5.197	18	736.844	3.779	18	750.300	724.200
OXYGEN	P300	mg/L	12.678	1.130	18	13.100	0.938	16	11.189	0.598	18	9.967	0.544	18	14.600	9.000
PCTSAT	P301	%	102.461	3.739	18	101.013	2.590	16	100.253	2.199	17	102.347	3.313	17	111.900	94.400
FC	P31616	#/100ml	1.944	1.434	18	1.063	0.250	16	14.944	20.034	18	7.889	7.745	18	65.000	1.000K
PH	P400	units	8.178	0.221	18	8.300	0.301	16	8.000	0.243	18	8.333	0.420	18	9.500	7.500
SUSSOL	P530	mg/L	2.056	1.434	18	4.250	6.777	16	15.278	16.803	18	2.833	2.995	18	68.000	1.000K
FLOW	P60	CFS	510.389	382.238	18	390.563	129.580	16	3459.333	2428.648	18	875.611	804.743	18	8300.000	263.000
TPN	P600	mg/L	0.256	0.023	3	0.285	0.022	3	0.100	0.038	3	0.202	0.091	3	0.310	0.056
NH3_N	P610	mg/L	0.010	0.000	18	0.011	0.003	16	0.011	0.002	18	0.012	0.005	17	0.030	0.010K
NO2_DIS	P613	mg/L	0.010	0.000	14	0.009	0.002	13	0.010	0.000	15	0.010	0.000	15	0.010	0.002
NO2_N	P615	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	2	0.010	0.000	3	0.010	0.010K
NH3_UN	P619	mg/L	0.000	0.000	12	0.001	0.001	9	0.000	0.001	8	0.001	0.000	10	0.003	0.000
NO3_N	P620	mg/L	0.230	0.000	2	0.207	0.032	3	0.065	0.049	2	0.205	0.106	2	0.280	0.030
NO2_NO3	P630	mg/L	0.185	0.053	18	0.186	0.059	16	0.052	0.028	18	0.123	0.068	18	0.280	0.018
TP_P	P665	mg/L	0.011	0.003	16	0.017	0.017	16	0.014	0.008	18	0.010	0.002	18	0.070	0.002K
OP_DIS	P671	mg/L	0.010	0.000	17	0.010	0.002	16	0.010	0.000	18	0.010	0.000	18	0.010	0.003
COLOR	P80	Pt-Co	4.000	0.000	2	4.000	0.000	2	3.333	4.041	3	11.000	14.142	2	21.000	1.000
TURB	P82079	NTU	0.939	1.054	18	1.400	2.334	16	2.667	3.109	18	0.706	0.319	18	12.000	0.300
COND	P95	umhos	169.778	40.767	18	174.563	12.811	16	98.389	33.138	18	144.722	34.556	18	300.000	59.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 49A070 Name: OKANOGAN R @ MALOTT Class: A Elevation: 780 River Mile: 17.00

Location:
LOCATED AT THE MALOTT BRIDGE CROSSING THE OKANOGAN RIVER, JUST WEST OF HIGHWAY 97

Water Years Sampled:

5	6							7								8									9						
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
								X	X	X	X		X			X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	6.183	4.608	18	2.862	2.513	13	11.578	2.923	18	19.328	2.847	18	24.900	-0.100
PRESS	P25	mmHg	741.011	6.339	18	742.731	4.478	13	740.156	5.606	18	740.656	3.319	18	752.300	727.700
OXYGEN	P300	mg/L	11.783	1.579	18	12.531	1.205	13	10.244	0.649	18	8.494	0.791	18	14.500	7.300
PCTSAT	P301	%	96.272	6.503	18	94.469	4.862	13	95.571	2.966	17	93.706	4.704	17	115.200	80.200
FC	P31616	#/100ml	21.235	34.996	17	5.250	6.355	12	39.722	34.370	18	37.389	22.115	18	150.000	1.000K
PH	P400	units	8.094	0.246	18	8.238	0.325	13	7.978	0.173	18	8.189	0.307	18	8.800	7.100
SUSSOL	P530	mg/L	29.889	94.627	18	24.154	56.436	13	60.111	67.958	18	10.778	10.373	18	405.000	1.000K
FLOW	P60	CFS	1775.444	2147.801	18	1701.385	1200.203	13	6687.222	5103.967	18	2482.778	2031.682	18	16800.000	458.000
TPN	P600	mg/L	0.187	0.025	3	0.236	0.022	3	0.101	0.055	3	0.142	0.027	3	0.261	0.039
NH3_N	P610	mg/L	0.016	0.015	18	0.016	0.019	13	0.014	0.011	18	0.014	0.008	18	0.080	0.010K
NO2_DIS	P613	mg/L	0.010	0.000	14	0.010	0.000	10	0.010	0.000	15	0.010	0.000	15	0.010	0.010K
NO2_N	P615	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	2	0.010	0.000	3	0.010	0.010K
NH3_UN	P619	mg/L	0.000	0.000	12	0.001	0.001	6	0.000	0.001	8	0.001	0.000	10	0.002	0.000
NO3_N	P620	mg/L	0.035	0.021	2	0.043	0.021	3	0.030	0.014	2	0.025	0.021	2	0.060	0.010K
NO2_NO3	P630	mg/L	0.053	0.028	18	0.064	0.043	13	0.016	0.010	18	0.019	0.012	18	0.170	0.010K
TP_P	P665	mg/L	0.032	0.054	16	0.067	0.152	13	0.050	0.050	18	0.018	0.007	18	0.571	0.010K
OP_DIS	P671	mg/L	0.010	0.000	17	0.023	0.047	13	0.010	0.000	18	0.010	0.000	18	0.180	0.010K
COLOR	P80	Pt-Co	6.000	2.828	2	24.000	20.704	4	10.333	8.327	3	15.000	19.799	2	46.000	1.000
TURB	P82079	NTU	12.539	41.319	18	8.069	22.234	13	12.628	14.375	18	1.911	0.924	18	176.000	0.800
COND	P95	umhos	230.889	64.320	18	259.923	29.375	13	148.000	55.648	18	225.556	47.464	18	335.000	86.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 49B070 Name: SIMILKAMEEN R @ OROVILLE Class: A Elevation: 960 River Mile: 5.00

Location:
LOCATED .2 MILES WEST OF HIGHWAY 97 AT THE BRIDGE ON 12TH AVENUE
(WANNACUT LAKE ROAD) IN OROVILLE

Water Years Sampled:

5	6						7								8										9					
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
		X	X	X	X	X	X										X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	5.444	4.158	18	2.760	2.334	15	9.394	3.483	18	16.889	2.827	18	22.400	-0.200
PRESS	P25	mmHg	738.739	6.174	18	739.947	4.611	15	738.511	5.584	18	738.950	5.191	18	751.300	723.900
OXYGEN	P300	mg/L	12.706	1.504	18	13.240	0.923	15	11.717	0.858	18	9.633	0.617	18	15.100	8.400
PCTSAT	P301	%	102.378	4.820	18	100.053	2.154	15	103.876	4.417	17	101.465	4.057	17	114.500	93.300
FC	P31616	#/100ml	3.588	6.481	17	1.786	1.888	14	14.353	13.143	17	14.235	13.958	17	54.000	1.000K
PH	P400	units	8.133	0.421	18	8.447	0.439	15	8.206	0.384	18	8.289	0.325	18	9.100	7.100
SUSSOL	P530	mg/L	18.944	50.843	18	5.333	7.844	15	48.056	65.604	18	6.278	7.797	18	248.000	1.000K
FLOW	P60	CFS	1478.167	1880.593	18	941.077	515.844	13	5371.944	3712.731	18	1656.167	1584.308	18	12500.000	265.000
TPN	P600	mg/L	0.083	0.017	3	0.106	0.016	3	0.075	0.040	3	0.067	0.014	3	0.125	0.036
NH3_N	P610	mg/L	0.013	0.010	18	0.011	0.003	15	0.015	0.015	18	0.012	0.006	18	0.074	0.010K
NO2_DIS	P613	mg/L	0.010	0.000	14	0.010	0.000	12	0.010	0.000	15	0.010	0.000	15	0.010	0.010K
NO2_N	P615	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	2	0.010	0.000	3	0.010	0.010K
NH3_UN	P619	mg/L	0.000	0.000	12	0.001	0.001	7	0.001	0.001	8	0.001	0.001	10	0.003	0.000
NO3_N	P620	mg/L	0.025	0.021	2	0.010	0.000	3	0.025	0.007	2	0.010	0.000	2	0.040	0.010K
NO2_NO3	P630	mg/L	0.023	0.016	18	0.026	0.019	15	0.013	0.008	18	0.011	0.002	18	0.070	0.010K
TP_P	P665	mg/L	0.024	0.042	16	0.017	0.019	15	0.030	0.031	18	0.013	0.005	18	0.180	0.009
OP_DIS	P671	mg/L	0.010	0.000	17	0.010	0.000	15	0.010	0.000	18	0.010	0.000	18	0.011	0.010K
COLOR	P80	Pt-Co	4.000	0.000	2	19.857	12.602	7	15.333	10.599	3	21.500	28.991	2	80.000	1.000
TURB	P82079	NTU	5.817	17.117	18	1.667	1.812	15	10.167	12.424	18	2.161	2.105	18	74.000	0.600
COND	P95	umhos	166.611	37.961	18	195.933	23.481	15	116.500	38.000	18	164.667	34.578	18	253.000	80.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 54A050 Name: SPOKANE R @ MOUTH Class: A Elevation: 129 River Mile: 1.70

Location:
LOCATED ON THE STATE HIGHWAY 25 BRIDGE AT THE MOUTH OF THE SPOKANE RIVER
ADJACENT TO FORT SPOKANE ON THE LINCOLN/STEVENS COUNTY LINE

Water Years Sampled:

5	6						7								8								9					
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
																															X	X	X	X			

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	12.010	4.122	10	3.145	1.669	11	11.392	4.544	12	21.450	1.575	12	25.300	0.900J
ZN	P1094	ug/L	0.000	0.000	0	72.000	16.971	2	53.667	8.386	3	17.333	5.508	3	84.000	11.000P
CR	P1118	ug/L	0.000	0.000	0	0.385	0.021	2	0.000	0.000	0	0.000	0.000	0	0.450	0.360P
PRESS	P25	mmHg	729.870	8.620	10	731.000	5.488	10	726.517	3.688	12	724.583	2.370	12	738.100	710.700
OXYGEN	P300	mg/L	9.050	1.113	10	12.218	0.763	11	11.908	1.280	12	8.867	0.464	12	14.100	7.800
PCTSAT	P301	%	86.440	5.338	10	94.709	6.623	11	112.725	7.428	12	104.375	6.288	12	125.000	81.400
FC	P31616	#/100ml	1.500	1.581	10	1.364	1.206	11	1.083	0.289	12	1.091	0.302	11	6.000	1.000K
PH	P400	units	7.860	0.178	10	7.755	0.216	11	8.242	0.329	12	8.225	0.226	12	8.700	7.300
SUSSOL	P530	mg/L	2.000	0.816	10	2.909	1.300	11	4.333	3.284	12	1.667	0.778	12	12.000	1.000K
TPN	P600	mg/L	0.456	0.163	3	0.606	0.212	3	0.390	0.224	3	0.306	0.049	3	0.757	0.242
NH3_N	P610	mg/L	0.020	0.018	10	0.028	0.021	11	0.020	0.016	12	0.016	0.009	12	0.084	0.010K
NO2_DIS	P613	mg/L	0.015	0.006	7	0.011	0.003	8	0.009	0.002	9	0.010	0.001	9	0.023	0.003
NO2_NO3	P630	mg/L	0.363	0.125	10	0.425	0.149	11	0.270	0.280	12	0.209	0.083	12	1.040	0.038
TP_P	P665	mg/L	0.014	0.003	10	0.027	0.012	11	0.019	0.013	12	0.011	0.002	12	0.052	0.010K
OP_DIS	P671	mg/L	0.011	0.003	10	0.018	0.008	11	0.012	0.004	12	0.010	0.000	12	0.035	0.010K
HG	P71900	ug/L	0.000	0.000	0	0.040	0.000	2	0.040	0.000	3	0.184	0.125	3	0.300	0.040K
TURB	P82079	NTU	0.900	0.249	10	2.173	2.372	11	2.700	2.966	12	1.142	0.570	12	11.000	0.500K
HARD	P900	mg/L	0.000	0.000	0	42.500	10.607	2	35.667	7.024	3	49.333	6.506	3	74.000	29.000
COND	P95	umhos	158.300	20.017	10	139.727	29.503	11	98.333	19.796	12	121.167	18.105	12	203.000	65.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 54A120 Name: SPOKANE R @ RIVERSIDE STATE PK Class: A Elevation: 1640 River Mile: 66.00

Location:
LOCATED IN SPOKANE AT RIVERSIDE STATE PARK ON THE WOODEN, SWINGING, FOOT BRIDGE

Water Years Sampled:

5 6							7								8								9					
9 0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
											X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	9.644	3.113	18	3.889	1.334	18	9.906	4.470	18	16.978	1.643	18	19.200	1.000
ZN	P1094	ug/L	75.222	35.738	9	97.222	15.180	9	87.889	35.519	9	33.333	13.937	9	143.000	9.000J
CD	P1113	ug/L	0.213	0.059	6	0.409	0.205	9	0.524	0.172	7	0.205	0.036	6	0.860	0.130V
PB	P1114	ug/L	1.622	0.418	9	6.244	7.183	9	3.050	1.462	4	1.543	0.294	7	24.300	1.000
CR	P1118	ug/L	0.598	0.224	9	2.914	6.634	8	0.556	0.282	7	0.480	0.188	6	19.300	0.200K
CU	P1119	ug/L	3.044	1.744	9	8.200	11.471	9	2.571	1.134	7	3.857	1.069	7	36.000	2.000K
PRESS	P25	mmHg	718.006	9.294	18	719.788	7.051	17	718.483	3.254	18	715.412	7.462	17	733.000	692.400
OXYGEN	P300	mg/L	11.628	0.934	18	13.206	0.895	18	12.506	1.519	18	9.978	0.337	18	15.300	9.400
PCTSAT	P301	%	107.461	5.512	18	106.006	7.890	18	115.524	5.869	17	108.665	2.995	17	127.800	87.200
FC	P31616	#/100ml	63.389	127.513	18	41.938	45.356	16	38.941	65.659	17	19.278	24.783	18	500.000	1.000K
COD	P340	mg/L	17.750	30.867	8	22.250	26.644	8	10.000	4.123	9	5.571	2.992	7	94.000	2.000K
PH	P400	units	8.167	0.374	18	7.867	0.363	18	8.029	0.337	17	8.300	0.206	18	8.700	7.200
SUSSOL	P530	mg/L	2.167	1.150	18	89.588	293.335	17	10.278	21.207	18	2.412	1.372	17	1200.000	1.000K
FLOW	P60	CFS	3298.333	3315.729	18	5552.778	4066.417	18	11589.444	6156.260	18	1794.167	1302.336	18	24100.000	302.000
TPN	P600	mg/L	0.802	0.167	3	0.719	0.132	3	0.385	0.092	3	1.413	0.137	3	1.560	0.289
NH3_N	P610	mg/L	0.138	0.120	18	0.106	0.085	17	0.048	0.032	18	0.180	0.238	17	0.654	0.010K
NO2_DIS	P613	mg/L	0.022	0.031	15	0.010	0.000	15	0.010	0.003	15	0.017	0.013	14	0.130	0.002
NO2_N	P615	mg/L	0.010	0.000	3	0.013	0.006	3	0.010	0.000	2	0.013	0.006	3	0.010	0.010K
NH3_UN	P619	mg/L	0.003	0.006	13	0.001	0.001	13	0.000	0.000	10	0.011	0.013	9	0.043	0.000
NO3_N	P620	mg/L	0.355	0.021	2	0.503	0.337	3	0.110	0.042	2	0.933	0.289	3	0.820	0.080
NO2_NO3	P630	mg/L	0.460	0.184	18	0.589	0.382	17	0.218	0.120	18	0.890	0.365	18	1.800	0.060
TP_P	P665	mg/L	0.041	0.024	16	0.074	0.050	18	0.023	0.013	18	0.025	0.012	18	0.200	0.010K
OP_DIS	P671	mg/L	0.033	0.024	18	0.052	0.025	18	0.013	0.005	18	0.014	0.006	18	0.100	0.010K
HG	P71900	ug/L	0.061	0.017	8	0.043	0.017	8	0.058	0.018	6	0.054	0.016	6	0.090	0.020K
COLOR	P80	Pt-Co	10.143	5.581	7	22.000	24.249	3	7.667	11.547	3	27.000	2.828	2	50.000	1.000
TURB	P82079	NTU	1.617	2.845	18	22.183	52.701	18	2.789	4.180	18	1.067	0.447	18	210.000	0.500
HARD	P900	mg/L	55.778	16.338	9	44.667	9.849	9	30.667	6.285	9	84.667	25.150	9	121.000	22.000
COND	P95	umhos	122.611	28.979	18	131.611	93.601	18	79.167	13.777	18	196.000	56.590	18	497.000	60.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 55B070 Name: LITTLE SPOKANE R NR MOUTH Class: A Elevation: 1525 River Mile: 1.10

Location:
LOCATED APPROXIMATELY 1.5 MILES UPSTREAM FROM CONFLUENCE WITH LONG LAKE
ON BRIDGE CROSSING THE LITTLE SPOKANE RIVER ON HIGHWAY 291 AT OLD FORT SPOKANE
HISTORICAL SITE

Water Years Sampled:

5	6						7								8									9					
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
												X		X				X	X	X	X	X	X	X	X	X	X	X	X			X	X				

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	8.508	1.958	12	5.608	1.279	12	11.767	2.607	12	15.025	1.111	12	17.200	3.500
ZN	P1094	ug/L	4.667	2.449	9	16.333	20.335	9	5.500	2.390	8	4.667	2.739	9	58.000	2.000V
CD	P1113	ug/L	0.156	0.053	9	0.186	0.080	9	******.*********.***		7	0.129	0.049	7	1.000	0.030
PB	P1114	ug/L	1.011	0.033	9	3.013	4.785	8	1.200	0.394	5	1.157	0.215	7	14.800	1.000K
CR	P1118	ug/L	0.888	0.282	9	1.604	2.388	8	0.914	0.304	7	0.690	0.229	7	7.450	0.300V
CU	P1119	ug/L	2.422	0.769	9	5.833	6.644	9	2.986	1.391	7	3.857	1.069	7	18.000	2.000K
PRESS	P25	mmHg	721.000	6.819	12	722.200	7.061	12	722.317	3.093	12	719.667	5.149	12	736.000	710.000
OXYGEN	P300	mg/L	10.383	0.369	12	10.608	0.429	12	10.000	0.931	12	9.658	0.412	12	12.300	8.500
PCTSAT	P301	%	93.392	5.200	12	88.675	3.993	12	95.927	9.470	11	100.273	3.428	11	121.000	79.500
FC	P31616	#/100ml	26.000	22.780	12	93.091	149.920	11	31.545	43.505	11	31.333	14.975	12	520.000	2.000
COD	P340	mg/L	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	4.000	4.000K
PH	P400	units	8.175	0.238	12	7.883	0.248	12	8.075	0.267	12	8.233	0.257	12	8.500	7.500
SUSSOL	P530	mg/L	5.083	3.204	12	106.545	197.728	11	14.417	6.201	12	5.273	2.412	11	600.000	1.000
FLOW	P60	CFS	402.778	48.399	9	644.556	249.699	9	645.000	170.988	9	369.000	31.185	9	1040.000	321.000
TPN	P600	mg/L	1.323	0.071	3	1.260	0.184	3	1.041	0.068	3	1.113	0.071	3	1.470	0.963
NH3_N	P610	mg/L	0.013	0.004	12	0.075	0.113	11	0.024	0.028	12	0.012	0.004	11	0.374	0.010K
NO2_DIS	P613	mg/L	0.010	0.000	9	0.010	0.000	9	0.009	0.003	9	0.010	0.000	8	0.010	0.001
NO2_N	P615	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	2	0.010	0.000	3	0.010	0.010K
NH3_UN	P619	mg/L	0.000	0.001	13	0.000	0.000	13	0.000	0.000	12	0.001	0.001	9	0.003	0.000
NO3_N	P620	mg/L	0.980	0.594	2	0.953	0.431	3	0.877	0.074	3	1.100	0.000	3	1.400	0.540
NO2_NO3	P630	mg/L	1.212	0.075	12	1.132	0.189	12	0.841	0.140	11	1.136	0.094	12	1.400	0.500
TP_P	P665	mg/L	0.020	0.008	10	0.134	0.296	12	0.034	0.018	12	0.019	0.008	12	1.070	0.010K
OP_DIS	P671	mg/L	0.011	0.004	12	0.037	0.040	12	0.013	0.006	12	0.010	0.000	12	0.139	0.010K
HG	P71900	ug/L	0.073	0.022	8	0.050	0.036	9	0.045	0.024	5	0.061	0.021	7	0.110	0.002
COLOR	P80	Pt-Co	15.000	12.437	7	12.333	7.506	3	15.667	2.309	3	46.500	17.678	2	59.000	8.000
TURB	P82079	NTU	1.425	0.826	12	27.542	53.297	12	3.383	2.722	12	1.633	1.277	12	178.000	0.700
HARD	P900	mg/L	135.778	5.540	9	109.667	23.964	9	101.667	15.460	9	134.778	6.200	9	143.000	71.000
COND	P95	umhos	262.833	16.214	12	232.833	33.125	12	223.083	26.023	12	266.583	22.134	12	290.000	170.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 55B100 Name: LITTLE SPOKANE R ABV DEADMAN CREEK Class: A Elevation: 1615 River Mile: 13.50

Location:
STATION IS LOCATED AT FIRST BRIDGE CROSSING OF LITTLE SPOKANE DRIVE
UPSTREAM FROM MOUTH OF LITTLE DEEP CREEK AND PEONE (DEADMAN) CREEK.
JUST ABOVE WANDEMERE GOLF COURSE

Water Years Sampled:

5 6										7										8										9					
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
																															X	X			X	

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	5.517	3.625	6	1.750	1.843	6	12.167	3.321	6	19.433	2.658	6	21.800	0.000
PRESS	P25	mmHg	721.200	7.173	6	721.617	6.546	6	720.117	1.129	6	718.017	3.759	6	732.800	710.400
OXYGEN	P300	mg/L	12.383	0.714	6	12.533	0.653	6	10.617	0.371	6	10.467	0.869	6	13.400	9.400
PCTSAT	P301	%	103.167	5.477	6	94.683	3.622	6	103.900	6.196	6	119.417	7.994	6	132.600	87.600
FC	P31616	#/100ml	18.500	11.777	6	412.500	831.744	6	50.600	79.075	5	56.167	30.727	6	2100.000	2.000
PH	P400	units	8.233	0.197	6	8.033	0.356	6	8.317	0.098	6	8.450	0.055	6	8.500	7.500
SUSSOL	P530	mg/L	2.333	1.033	6	54.167	96.653	6	11.667	6.532	6	3.250	1.893	4	250.000	1.000
TPN	P600	mg/L	1.187	0.155	3	1.200	0.164	3	0.783	0.136	3	0.864	0.065	3	1.340	0.628
NH3_N	P610	mg/L	0.014	0.008	6	0.132	0.221	6	0.014	0.003	6	0.011	0.001	4	0.581	0.010K
NO2_DIS	P613	mg/L	0.010	0.000	3	0.010	0.000	3	0.007	0.005	3	0.000	0.000	0	0.010	0.002
NO2_NO3	P630	mg/L	0.982	0.094	6	0.934	0.311	6	0.571	0.102	6	0.674	0.142	6	1.270	0.447
TP_P	P665	mg/L	0.021	0.016	6	0.201	0.347	6	0.031	0.007	6	0.035	0.033	6	0.905	0.010K
OP_DIS	P671	mg/L	0.014	0.010	6	0.054	0.066	6	0.014	0.003	6	0.012	0.004	6	0.184	0.010K
HG	P71900	ug/L	0.001	0.000	3	0.018	0.027	3	0.002	0.001	3	0.001	0.001	3	0.050	******.***
TURB	P82079	NTU	1.083	0.475	6	21.333	40.166	6	2.767	1.143	6	0.883	0.194	6	103.000	0.500
HARD	P900	mg/L	114.333	6.658	3	72.000	38.158	3	81.000	3.606	3	102.333	11.590	3	120.000	32.000
COND	P95	umhos	232.333	9.832	6	195.333	53.407	6	186.833	10.226	6	243.167	32.523	6	298.000	101.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 55B200 Name: LITTLE SPOKANE @ CHATTAROY Class: A Elevation: 1685 River Mile: 23.10

Location:
Turn west off of Highway 2 at Chatteroy and drive 0.1 miles.

Water Years Sampled:
5 6 7 8 9
9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	5.700	5.103	3	1.767	1.537	3	11.633	3.453	3	18.633	3.134	3	22.000	0.000
PRESS	P25	mmHg	717.133	6.391	3	718.667	7.679	3	718.367	1.692	3	716.900	4.590	3	724.200	709.900
OXYGEN	P300	mg/L	11.300	1.664	3	12.233	0.503	3	10.467	0.058	3	10.367	0.115	3	12.700	9.400
PCTSAT	P301	%	94.333	4.997	3	92.867	1.582	3	101.533	7.223	3	116.833	6.936	3	124.700	90.000
FC	P31616	#/100ml	6.333	2.517	3	78.333	131.356	3	23.000	24.434	3	62.000	59.102	3	230.000	1.000
PH	P400	units	7.833	0.289	3	7.933	0.289	3	8.300	0.173	3	8.367	0.058	3	8.400	7.500
SUSSOL	P530	mg/L	2.333	1.528	3	7.667	3.786	3	5.333	3.215	3	2.000	0.000	3	12.000	1.000
FLOW	P60	CFS	73.400	17.764	3	95.200	32.014	3	122.833	35.286	3	42.400	10.739	3	148.000	30.000
TPN	P600	mg/L	0.505	0.126	3	0.694	0.146	3	0.353	0.065	3	0.220	0.034	3	0.791	0.186
NH3_N	P610	mg/L	0.011	0.002	3	0.035	0.021	3	0.013	0.005	3	0.014	0.008	3	0.059	0.010K
NO2_NO3	P630	mg/L	0.340	0.093	3	0.411	0.078	3	0.168	0.032	3	0.101	0.014	3	0.474	0.089
TP_P	P665	mg/L	0.015	0.009	3	0.028	0.011	3	0.025	0.010	3	0.011	0.001	3	0.040	0.010K
OP_DIS	P671	mg/L	0.010	0.000	3	0.013	0.006	3	0.010	0.000	3	0.010	0.000	3	0.020	0.010K
TURB	P82079	NTU	0.867	0.379	3	3.500	2.862	3	1.867	0.929	3	0.733	0.252	3	6.800	0.500K
COND	P95	umhos	184.333	4.041	3	181.000	17.349	3	150.667	6.429	3	180.667	25.384	3	209.000	146.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 55C065 Name: DEADMAN CR NR MOUTH Class: A Elevation: 1615 River Mile: 0.13

Location:
Barry Davidson's back yard (15526 _____ street.)

Water Years Sampled:
5 6 7 8 9
9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	8.500	3.835	3	3.567	0.208	3	10.700	3.279	3	16.900	1.609	3	18.400	3.400
PRESS	P25	mmHg	718.567	6.983	3	719.633	8.641	3	720.500	1.931	3	718.067	4.822	3	726.400	709.900
OXYGEN	P300	mg/L	10.900	0.985	3	12.467	0.404	3	10.733	0.451	3	9.800	0.173	3	12.700	9.700
PCTSAT	P301	%	97.900	3.032	3	99.200	2.498	3	101.467	3.179	3	106.533	4.222	3	109.500	96.100
FC	P31616	#/100ml	23.333	12.097	3	23.000	23.302	3	123.000	179.424	3	225.333	237.868	3	500.000	4.000
PH	P400	units	8.233	0.306	3	8.300	0.300	3	8.367	0.208	3	8.367	0.058	3	8.600	7.900
SUSSOL	P530	mg/L	5.000	4.359	3	20.333	21.733	3	14.333	9.292	3	3.333	0.577	3	45.000	2.000
FLOW	P60	CFS	10.500	1.411	3	38.333	12.423	3	52.667	21.572	3	13.000	3.464	3	68.000	9.200J
TPN	P600	mg/L	0.936	0.058	3	0.733	0.238	3	0.427	0.049	3	0.883	0.166	3	1.050	0.390
NH3_N	P610	mg/L	0.011	0.002	3	0.026	0.018	3	0.013	0.004	3	0.010	0.000	3	0.046	0.010K
NO2_NO3	P630	mg/L	0.859	0.111	3	0.541	0.220	3	0.307	0.071	3	0.862	0.076	3	0.960	0.255
TP_P	P665	mg/L	0.037	0.018	3	0.038	0.006	3	0.050	0.003	3	0.032	0.013	3	0.057	0.020
OP_DIS	P671	mg/L	0.029	0.006	3	0.033	0.016	3	0.031	0.004	3	0.025	0.007	3	0.051	0.021
TURB	P82079	NTU	3.233	2.857	3	19.367	24.899	3	7.700	4.668	3	1.667	0.404	3	48.000	1.200
COND	P95	umhos	270.000	19.079	3	216.667	46.715	3	152.333	23.116	3	275.333	24.007	3	303.000	138.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 55E070 Name: DRAGOON CR NR CHATTAROY

Class: A Elevation: 1695 River Mile: 0.20

Location:
AT BRIDGE ON CRESCENT STREET, 1.4 MILES FROM CHATTAROY.

Water Years Sampled:
5 6 7 8 9
9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6
X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	2.100	2.970	2	0.800	0.917	3	9.900	3.318	3	17.100	3.716	3	21.000	0.000
PRESS	P25	mmHg	717.200	10.607	2	718.067	7.757	3	718.133	2.371	3	717.567	4.325	3	724.700	709.200
OXYGEN	P300	mg/L	12.800	0.566	2	13.100	0.656	3	10.767	0.611	3	9.433	0.603	3	13.700	8.800
PCTSAT	P301	%	98.250	2.051	2	96.933	1.595	3	100.233	2.695	3	102.733	1.595	3	104.500	95.600
FC	P31616	#/100ml	77.000	12.728	2	734.667	1269.016	3	89.000	99.715	3	113.333	64.291	3	2200.000	1.000K
PH	P400	units	8.100	0.141	2	8.067	0.153	3	8.467	0.115	3	8.433	0.058	3	8.600	7.900
SUSSOL	P530	mg/L	2.000	1.414	2	9.000	10.583	3	5.333	2.517	3	2.667	0.577	3	21.000	1.000
FLOW	P60	CFS	0.000	0.000	0	34.900	9.398	3	26.033	7.215	3	8.833	0.850	3	43.700	8.000J
TPN	P600	mg/L	2.875	0.304	2	2.787	1.030	3	1.685	0.021	2	1.947	0.125	3	3.820	1.670
NH3_N	P610	mg/L	0.015	0.006	2	0.084	0.120	3	0.011	0.002	3	0.012	0.003	3	0.222	0.010K
NO2_NO3	P630	mg/L	2.550	0.269	2	2.213	0.954	3	1.717	0.355	3	1.947	0.227	3	3.310	1.450
TP_P	P665	mg/L	0.077	0.091	2	0.122	0.101	3	0.059	0.010	3	0.030	0.014	3	0.238	0.012
OP_DIS	P671	mg/L	0.061	0.072	2	0.091	0.079	3	0.040	0.004	3	0.019	0.011	3	0.182	0.010K
TURB	P82079	NTU	1.550	1.061	2	6.067	3.915	3	2.667	1.531	3	1.133	0.289	3	8.900	0.800
COND	P95	umhos	296.000	11.314	2	273.667	73.119	3	269.000	15.620	3	298.333	32.517	3	358.000	228.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 57A150 Name: SPOKANE R @ STATELINE BR Class: A Elevation: 1980 River Mile: 96.00

Location:
LOCATED AT THE BRIDGE ON STATELINE VILLAGE ROAD, .1 MILE WEST OF THE WASHINGTON-IDAHO BORDER, 0.1 MILE NORTH OF I-90.

Water Years Sampled:

5 6							7								8								9					
9 0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
X X	X	X	X	X	X					X	X	X		X			X													X	X	X	X	X	

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	9.260	4.034	10	2.367	1.375	12	9.475	4.875	12	19.742	2.516	12	25.200	0.800
ZN	P1094	ug/L	103.000	2.828	2	110.250	13.150	4	115.000	20.518	3	68.333	2.082	3	135.000	66.000
CD	P1113	ug/L	0.395	0.092	2	0.540	0.239	4	0.000	0.000	0	0.000	0.000	0	0.740	0.210V
PB	P1114	ug/L	0.000	0.000	0	3.400	1.643	4	0.000	0.000	0	0.000	0.000	0	4.600	1.000K
CR	P1118	ug/L	0.000	0.000	0	0.240	0.045	4	2.620	3.366	2	3.497	2.604	3	5.000	0.200K
CU	P1119	ug/L	0.000	0.000	0	2.475	0.550	4	0.000	0.000	0	0.000	0.000	0	3.000	2.000K
PRESS	P25	mmHg	715.160	6.755	10	713.364	5.318	11	711.592	3.501	12	711.583	2.375	12	721.100	700.000
OXYGEN	P300	mg/L	10.000	1.277	10	12.208	0.558	12	11.133	1.438	12	7.817	0.491	12	13.400	7.000
PCTSAT	P301	%	91.440	5.670	10	94.933	3.836	12	102.583	5.645	12	90.525	4.624	12	115.300	84.100
FC	P31616	#/100ml	13.111	25.097	9	4.000	6.836	12	4.333	2.640	12	72.000	185.285	11	630.000	1.000K
PH	P400	units	7.500	0.309	10	7.533	0.429	12	7.525	0.336	12	7.675	0.317	12	8.400	6.900
SUSSOL	P530	mg/L	1.700	0.823	10	1.333	0.492	12	2.500	1.087	12	2.250	1.422	12	6.000	1.000K
FLOW	P60	CFS	3508.000	4276.631	10	5241.667	4514.673	12	8873.333	5472.668	12	1424.083	1430.184	12	18600.000	237.000
TPN	P600	mg/L	0.148	0.018	3	0.182	0.037	3	0.107	0.034	3	0.258	0.050	3	0.301	0.074
NH3_N	P610	mg/L	0.017	0.007	10	0.027	0.012	12	0.016	0.014	12	0.016	0.006	12	0.059	0.010K
NO2_DIS	P613	mg/L	0.010	0.000	7	0.010	0.000	9	0.009	0.003	9	0.010	0.000	9	0.012	0.001
NO2_NO3	P630	mg/L	0.029	0.014	10	0.050	0.021	12	0.023	0.015	12	0.073	0.073	12	0.212	0.010K
TP_P	P665	mg/L	0.013	0.005	10	0.014	0.005	11	0.012	0.002	12	0.015	0.006	12	0.025	0.010K
OP_DIS	P671	mg/L	0.010	0.000	10	0.011	0.002	12	0.009	0.003	12	0.010	0.000	12	0.015	0.001
HG	P71900	ug/L	0.050	0.000	2	0.048	0.014	5	0.048	0.045	4	0.109	0.134	5	0.300	0.001U
TURB	P82079	NTU	0.950	0.268	10	1.292	0.928	12	1.342	0.656	12	1.292	0.553	12	3.800	0.500
HARD	P900	mg/L	21.667	2.082	3	22.750	0.500	4	23.000	0.816	4	21.600	1.817	5	24.000	20.000
COND	P95	umhos	56.000	8.000	10	54.333	3.551	12	53.750	9.127	12	53.250	6.107	12	76.000	41.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 59A070 Name: COLVILLE R @ KETTLE FALLS Class: A Elevation: 1250 River Mile: 5.00

Location:
LOCATED 5 MILES FROM THE MOUTH OF THE COLVILLE RIVER .5 MILES SOUTH OF KETTLE FALLS AT THE USGS GAGING STATION JUST BELOW MEYERS FALLS AND THE POWER PLANT

Water Years Sampled:

5 6											7										8										9					
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
	X	X	X	X	X	X	X	X	X	X		X			X	X		X	X	X	X	X	X	X	X	X	X	X					X				

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	5.473	4.042	11	1.783	1.751	6	10.411	4.410	9	18.711	2.861	9	23.600	0.000
PRESS	P25	mmHg	724.164	6.902	11	723.833	6.054	6	725.867	3.813	9	726.744	4.418	9	734.300	708.700
OXYGEN	P300	mg/L	11.445	1.181	11	12.050	0.288	6	10.578	0.851	9	8.256	0.707	9	13.500	6.800
PCTSAT	P301	%	94.391	3.632	11	90.983	4.315	6	98.038	5.980	8	91.463	4.533	8	107.900	83.800
FC	P31616	#/100ml	82.455	112.906	11	83.667	89.391	6	87.556	105.659	9	121.500	81.279	8	400.000	9.000
PH	P400	units	8.191	0.221	11	7.983	0.194	6	7.989	0.355	9	8.256	0.142	9	8.500	7.100
SUSSOL	P530	mg/L	97.455	299.032	11	32.800	43.597	5	50.556	55.473	9	8.750	2.121	8	999.000	3.000
FLOW	P60	CFS	100.545	34.662	11	192.500	63.109	6	576.333	412.251	9	90.667	60.349	9	1580.000	28.000
TPN	P600	mg/L	0.594	0.390	3	0.976	0.195	3	0.324	0.096	3	0.272	0.065	3	1.200	0.222
NH3_N	P610	mg/L	0.076	0.065	11	0.209	0.164	5	0.030	0.018	9	0.021	0.015	8	0.490	0.010K
NO2_DIS	P613	mg/L	0.009	0.002	8	0.013	0.006	3	0.012	0.004	6	0.010	0.000	5	0.020	0.005
NO2_N	P615	mg/L	0.010	0.000	2	0.010	0.000	2	0.010	0.000	2	0.010	0.000	3	0.010	0.010
NH3_UN	P619	mg/L	0.001	0.001	10	0.001	0.001	6	0.001	0.001	11	0.002	0.001	9	0.004	0.000
NO3_N	P620	mg/L	0.205	0.134	2	0.315	0.035	2	0.153	0.058	3	0.117	0.047	3	0.340	0.100
NO2_NO3	P630	mg/L	0.286	0.183	11	0.702	0.292	6	0.184	0.120	9	0.064	0.039	9	1.280	0.010K
TP_P	P665	mg/L	0.055	0.021	9	0.077	0.039	6	0.078	0.026	9	0.058	0.022	9	0.120	0.010K
OP_DIS	P671	mg/L	0.049	0.023	11	0.072	0.045	6	0.030	0.008	9	0.033	0.016	9	0.160	0.010K
COLOR	P80	Pt-Co	40.857	40.847	7	31.500	3.536	2	18.333	4.619	3	31.000	46.033	3	130.000	1.000
TURB	P82079	NTU	2.327	0.861	11	14.533	13.314	6	13.833	11.552	9	3.544	1.285	9	41.000	1.000
HARD	P900	mg/L	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	200.000	200.000
COND	P95	umhos	337.000	29.756	11	389.667	121.227	6	252.111	44.993	9	343.222	22.554	9	600.000	200.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 60A070 Name: KETTLE R NR BARSTOW Class: AA Elevation: 1400 River Mile: 10.90

Location:
LOCATED 10.9 MILES FROM THE MOUTH OF THE KETTLE RIVER, .75 MILES EAST OF BARSTOW ON THE FERRY-STEVENS COUNTY LINE

Water Years Sampled:

5 6							7								8												9					
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
	X	X	X	X	X	X			X	X		X			X	X			X	X	X	X	X	X	X	X	X	X	X			X	X		

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	5.691	4.653	11	1.280	1.441	5	8.400	2.412	9	19.200	2.092	9	22.100	0.000
PRESS	P25	mmHg	727.455	5.953	11	728.260	4.993	5	728.000	4.174	9	727.756	4.627	9	737.000	716.300
OXYGEN	P300	mg/L	12.527	1.428	11	13.600	0.418	5	12.011	0.675	9	9.289	0.437	9	14.900	8.700
PCTSAT	P301	%	103.100	2.393	11	100.560	1.905	5	106.563	4.774	8	104.200	1.021	8	114.500	98.700
FC	P31616	#/100ml	1.818	0.982	11	1.800	1.789	5	19.444	20.329	9	8.778	5.932	9	56.000	1.000K
COD	P340	mg/L	7.571	2.070	7	10.500	7.778	2	17.500	6.950	6	9.800	3.962	5	27.000	4.000K
PH	P400	units	8.291	0.181	11	8.280	0.164	5	7.844	0.407	9	8.211	0.242	9	8.500	7.000
SUSSOL	P530	mg/L	1.818	1.168	11	2.750	2.363	4	24.889	15.415	9	2.125	0.835	8	49.000	1.000K
FLOW	P60	CFS	676.600	311.912	10	632.600	74.959	5	9471.111	5341.146	9	1638.222	1636.534	9	20100.000	253.000
TPN	P600	mg/L	0.178	0.071	3	0.275	0.031	3	0.129	0.073	3	0.102	0.024	3	0.310	0.079
NH3_N	P610	mg/L	0.010	0.000	11	0.013	0.007	4	0.011	0.003	9	0.010	0.000	8	0.023	0.010K
NO2_DIS	P613	mg/L	0.009	0.003	8	0.010	0.000	2	0.010	0.000	6	0.010	0.000	4	0.010	0.002
NO2_N	P615	mg/L	0.010	0.000	2	0.010	0.000	2	0.010	0.000	2	0.010	0.000	3	0.010	0.010K
NH3_UN	P619	mg/L	0.000	0.000	10	0.000	0.000	5	0.000	0.000	11	0.001	0.001	9	0.001	0.000
NO3_N	P620	mg/L	0.090	0.078	3	0.070	0.028	2	0.023	0.015	3	0.030	0.035	3	0.180	0.010
NO2_NO3	P630	mg/L	0.062	0.046	11	0.148	0.036	5	0.021	0.013	9	0.016	0.009	9	0.190	0.010K
TP_P	P665	mg/L	0.010	0.001	9	0.010	0.000	5	0.030	0.016	9	0.012	0.004	9	0.060	0.008
OP_DIS	P671	mg/L	0.010	0.001	11	0.010	0.000	5	0.010	0.000	9	0.010	0.000	9	0.010	0.006
COLOR	P80	Pt-Co	15.857	4.451	7	27.000	26.870	2	31.000	8.888	3	3.333	4.041	3	46.000	1.000
TURB	P82079	NTU	0.727	0.269	11	1.200	0.663	5	4.467	2.658	9	0.778	0.249	9	8.200	0.400
HARD	P900	mg/L	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	549.000	549.000
COND	P95	umhos	163.818	34.502	11	191.800	55.715	5	75.333	28.675	9	145.889	41.169	9	549.000	549.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 61A070 Name: COLUMBIA R @ NORTHPORT Class: AA Elevation: 1280 River Mile: 735.10

Location:
LOCATED AT THE BRIDGE CROSSING THE COLUMBIA RIVER ON STATE HIGHWAY 25, IMMEDIATELY NORTHEAST OF NORTHPORT

Water Years Sampled:

5	6						7												8												9					
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					X	X	X	X	X	

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	9.220	3.904	10	3.064	1.380	11	8.283	3.296	12	16.758	0.914	12	17.900	1.100J
ZN	P1094	ug/L	10.200	0.837	5	16.875	9.265	8	21.070	21.051	10	9.370	3.281	10	64.000	4.200P
CD	P1113	ug/L	0.178	0.075	5	0.180	0.118	7	0.474	0.954	9	2.399	5.186	8	15.000	0.040P
PB	P1114	ug/L	1.980	1.348	5	3.271	3.052	7	3.875	6.607	8	6.133	7.871	9	20.000	0.000P
CR	P1118	ug/L	0.410	0.187	5	0.421	0.143	7	1.397	2.049	9	1.407	2.062	9	5.000	0.200K
CU	P1119	ug/L	4.520	2.477	5	3.913	2.059	8	4.489	3.412	9	3.600	0.870	9	12.000	0.000P
PRESS	P25	mmHg	730.640	7.597	10	731.180	6.024	10	729.317	9.038	12	726.325	2.595	12	756.200	717.000
OXYGEN	P300	mg/L	11.590	1.466	10	12.982	0.498	11	12.150	0.378	12	10.142	0.494	12	13.700	9.300
PCTSAT	P301	%	103.630	5.797	10	100.555	7.297	11	107.325	7.107	12	108.525	4.486	12	120.100	89.400
FC	P31616	#/100ml	17.200	28.063	10	18.273	40.657	11	18.333	32.374	12	25.273	32.172	11	139.000	1.000K
CHL	P32211	ug/L	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	1.033	0.114	3	1.160	0.140
PHEO	P32218	ug/L	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	1.590	0.807	3	2.740	0.960
PH	P400	units	7.970	0.231	10	7.845	0.273	11	7.973	0.190	11	8.075	0.238	12	8.400	7.200
SUSSOL	P530	mg/L	2.000	0.816	10	1.636	0.505	11	2.917	1.730	12	2.000	0.853	12	7.000	1.000K
FLOW	P60	CFS	82120.000	15131.410	10	82909.091	35956.737	11	81350.000	54159.453	12	86100.000	31550.623	12	198000.000	11400.000
TPN	P600	mg/L	0.134	0.023	3	0.148	0.058	3	0.139	0.052	3	0.149	0.015	3	0.198	0.085
NH3_N	P610	mg/L	0.026	0.021	10	0.023	0.013	11	0.022	0.019	12	0.016	0.008	12	0.085	0.010K
NO2_DIS	P613	mg/L	0.010	0.000	7	0.010	0.000	8	0.009	0.003	9	0.010	0.001	9	0.012	0.001
NO2_NO3	P630	mg/L	0.063	0.023	10	0.115	0.016	11	0.078	0.024	12	0.056	0.016	12	0.135	0.026
TP_P	P665	mg/L	0.020	0.007	10	0.019	0.007	11	0.018	0.011	12	0.019	0.017	11	0.069	0.010K
OP_DIS	P671	mg/L	0.013	0.006	10	0.015	0.007	11	0.014	0.009	12	0.015	0.013	12	0.056	0.005
HG	P71900	ug/L	0.070	0.021	5	0.048	0.005	8	0.060	0.064	11	0.072	0.089	12	0.300	0.001U
TURB	P82079	NTU	0.800	0.236	10	1.018	0.774	11	1.058	0.414	12	1.208	0.525	12	3.000	0.400
HARD	P900	mg/L	70.667	1.211	6	67.429	19.415	7	66.273	4.429	11	63.000	3.516	12	79.000	24.000
COND	P95	umhos	140.100	8.762	10	145.909	14.508	11	134.500	16.539	12	120.917	11.156	12	162.000	99.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 62A090 Name: PEND OREILLE @ METALINE FALLS Class: A Elevation: 2020 River Mile: 27.00

Location:
LOCATED AT THE BRIDGE ON HIGHWAY 31 BETWEEN METALINE AND METALINE FALLS
CROSSING THE PEND OREILLE RIVER

Water Years Sampled:

5	6						7								8								9						
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
X	X	X	X																																	X	X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	12.600	3.818	2	1.700	0.141	2	10.133	4.347	3	21.000	3.396	3	24.900	1.600J
PRESS	P25	mmHg	706.650	2.475	2	708.300	4.808	2	717.700	10.037	3	709.600	2.402	3	729.200	704.900
OXYGEN	P300	mg/L	9.650	0.636	2	12.500	0.141	2	10.667	0.950	3	8.833	0.252	3	12.600	8.600
PCTSAT	P301	%	97.000	1.414	2	96.150	0.071	2	99.600	2.052	3	105.233	4.744	3	110.600	96.000
FC	P31616	#/100ml	1.500	0.707	2	1.000	0.000	2	1.333	0.577	3	3.667	3.055	3	7.000	1.000U
PH	P400	units	8.250	0.212	2	8.050	0.071	2	8.067	0.321	3	8.533	0.208	3	8.700	7.700
SUSSOL	P530	mg/L	1.500	0.707	2	2.500	0.707	2	3.000	1.000	3	1.333	0.577	3	4.000	1.000K
FLOW	P60	CFS	25700.000	1131.371	2	18500.000	6081.118	2	23933.333	10055.015	3	9840.000	3178.490	3	31400.000	6320.000
TPN	P600	mg/L	0.092	0.001	2	0.104	0.008	2	0.067	0.011	3	0.105	0.017	3	0.125	0.056
NH3_N	P610	mg/L	0.010	0.000	2	0.011	0.001	2	0.010	0.000	3	0.011	0.001	3	0.012	0.010K
NO2_NO3	P630	mg/L	0.010	0.000	2	0.014	0.002	2	0.010	0.000	3	0.010	0.000	3	0.015	0.010K
TP_P	P665	mg/L	0.010	0.000	2	0.012	0.003	2	0.010	0.000	3	0.011	0.001	3	0.014	0.010K
OP_DIS	P671	mg/L	0.010	0.000	2	0.010	0.000	2	0.010	0.000	3	0.010	0.000	3	0.010	0.010K
TURB	P82079	NTU	0.900	0.141	2	1.150	0.778	2	1.967	0.493	3	0.967	0.252	3	2.300	0.600
COND	P95	umhos	157.500	0.707	2	161.500	0.707	2	145.000	9.849	3	144.333	16.563	3	162.000	127.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.

REPORT CREATION DATE: 95/06/08

QUARTERLY DATA SUMMARY--SIX YEAR AVERAGE

Station Number: 62A150 Name: PEND OREILLE R @ NEWPORT Class: A Elevation: 2030 River Mile: 88.20

Location:
LOCATED IN BONNER COUNTY, IDAHO AT THE BRIDGE ON U S HIGHWAY 2, JUST EAST OF NEWPORT

Water Years Sampled:

5	6						7								8										9					
9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
X	X	X	X	X	X	X	X										X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

VARIABLE	P-CODE	UNITS	---OCTOBER-DECEMBER---			-----JANUARY-MARCH----			------APRIL-JUNE------			----JULY-SEPTEMBER----			-----SIX YEAR------	
			MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MEAN	STD. DEV.	N	MAX	MIN
TEMP	P10	C	8.967	4.367	18	2.138	1.424	16	9.817	3.764	18	19.311	2.408	18	24.900	-0.100
PRESS	P25	mmHg	712.767	6.360	18	710.680	8.115	15	710.567	3.121	18	711.144	3.207	18	727.000	692.000
OXYGEN	P300	mg/L	10.461	1.031	18	12.513	0.466	16	11.394	1.068	18	9.067	0.468	18	13.300	8.500
PCTSAT	P301	%	95.422	3.677	18	97.138	3.805	16	106.129	5.298	17	104.329	5.348	17	119.800	89.200
FC	P31616	#/100ml	1.556	1.199	18	1.688	1.662	16	2.176	1.741	17	6.059	14.843	17	63.000	1.000K
PH	P400	units	8.089	0.263	18	7.856	0.266	16	8.065	0.242	17	8.378	0.190	18	8.600	7.300
SUSSOL	P530	mg/L	2.500	1.043	18	5.867	6.968	15	5.000	2.544	18	2.235	0.831	17	26.000	1.000K
FLOW	P60	CFS	23161.111	4806.018	18	18206.250	6476.467	16	30388.333	19729.046	18	17692.778	12014.742	18	75600.000	2980.000
TPN	P600	mg/L	0.098	0.008	3	0.125	0.019	3	0.069	0.025	3	0.100	0.023	3	0.145	0.048
NH3_N	P610	mg/L	0.011	0.004	18	0.011	0.005	15	0.010	0.002	18	0.010	0.000	17	0.027	0.004
NO2_DIS	P613	mg/L	0.009	0.002	15	0.010	0.000	13	0.009	0.002	15	0.010	0.000	14	0.010	0.001
NO2_N	P615	mg/L	0.010	0.000	3	0.010	0.000	3	0.010	0.000	2	0.010	0.000	3	0.010	0.010K
NH3_UN	P619	mg/L	0.001	0.003	14	0.000	0.000	12	0.000	0.000	11	0.001	0.001	9	0.011	0.000
NO3_N	P620	mg/L	0.013	0.006	3	0.023	0.012	3	0.013	0.006	3	0.010	0.000	3	0.030	0.010K
NO2_NO3	P630	mg/L	0.012	0.006	18	0.039	0.016	16	0.013	0.006	18	0.010	0.000	18	0.070	0.010K
TP_P	P665	mg/L	0.010	0.001	15	0.017	0.021	15	0.012	0.004	18	0.012	0.003	18	0.090	0.006
OP_DIS	P671	mg/L	0.010	0.002	18	0.010	0.001	16	0.010	0.002	18	0.010	0.000	18	0.010	0.002
COLOR	P80	Pt-Co	8.143	4.337	7	9.000	11.314	2	8.667	8.021	3	23.000	28.355	3	55.000	1.000
TURB	P82079	NTU	1.017	0.296	18	1.656	1.111	16	1.917	0.466	18	1.189	0.382	18	5.500	0.400
HARD	P900	mg/L	0.000	0.000	0	0.000	0.000	0	29.000	1.414	2	0.000	0.000	0	85.000	85.000
COND	P95	umhos	161.222	21.789	18	166.938	14.163	16	146.333	17.547	18	148.944	12.240	18	211.000	107.000

Summary statistics should be used with caution because variables may not be normally distributed. Values at the detection limit were replaced with 1/2 the detection limit.