

Utah Division of Water Quality's 2000 Water Quality Monitoring Program



**Division of Water Quality
Department of Environmental Quality**

**Utah Division of Water Quality's 2000
Water Quality Monitoring Program**

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Overview of the Division of Water Quality's 2000 Water Quality Monitoring Program

Utah assesses the quality of its surface water resources to protect it for drinking, fishing, boating irrigation, stock watering, and supporting aquatic wildlife. Ground water is assessed to protect it for drinking, agricultural, and industrial use. Data are compared against State water quality standards to determine beneficial use support. Various reports are written and disseminated to project sponsors, local and state officials, government and private entities and the public to expand the awareness of the need to protect and enhance the water quality of ground water, river, streams, lakes and reservoirs. In addition, water quality data are used to identify impaired waterbodies and establish water quality goals for implementing projects to restore or protect water quality. Water quality data are also collected to do Total Maximum Daily Load Analyses for discharge permits and to assure that permit requirements under the Utah Pollution Discharge Elimination System (UPDES) program are being met, to evaluate the effectiveness of nonpoint source projects, and to do TMDLs analyses for selected waterbodies or watersheds.

Stream Monitoring

The stream monitoring program consists of basin intensive and fixed-station ambient water quality monitoring stations. The fixed-station monitoring network consists of 64 stations. These stations are used primarily to evaluate long-term water quality trends. Samples are collected every six weeks (eight times per year). Table 1 summarizes the sample sites and parameters being evaluated for long term monitoring.

Basin intensive surveys are used to assess water quality, identify causes and sources of pollution, determine beneficial use support, and to provide data for developing watershed management plans. The data are also used to develop the 303(d) list of impaired waters and select those streams or segments for Total Maximum Daily Load Analysis. Requirements under section 305(b) of the Clean Water Act (CWA) are also met using intensive survey data. Samples are collected twice a month during runoff, once a month with the exception of December. Samples are collected for a 1-year period from July 1st to June 30th.

Intensive surveys also allow water quality programs to be focused on critical areas, allow the Division of Water Quality to prioritize its management plans, determine the effectiveness of its water quality management plans and assist individuals and agencies involved in protecting the quality of the State's waters.

The first five-year intensive monitoring cycle of the state was completed in June of 1998. The last two watershed management units to be monitored in the first cycle were the West Colorado and Southeast Colorado. In 1997-1998, the Bear and Weber River Watershed Management Units were sampled for the first time at the beginning of the second five-year monitoring cycle. They were sampled from June 1998 to July 1999. These were assessed for 2000 305(b) report. The Utah Lake-Jordan River intensive survey was completed June 30, 2000 and the Uinta intensive monitoring began July 1, 2000 (Table 2).

Lake/Reservoir Monitoring

Under the Division's lake/reservoir assessment program, 130 lakes and reservoirs are monitored for water quality on a regular basis. One-half of them are sampled during odd numbered years, the other half during even numbered years. They are sampled twice a year, May/June and August/September. The objectives of the State's lake monitoring plan are to determine existing water quality conditions, evaluate lake water quality trends, and develop plans to protect and enhance lake water quality, and to determine beneficial use support, and to report information to interested parties.

Data are used to determine an overall Carlson Trophic State Index (TSI) value for each lake or reservoir. This will provide the basis for assessing and tracking water quality changes of lakes and reservoirs. Data will be used for 305(b) assessments, developing a priority listing of lakes and reservoirs, and assessment and evaluation of lake water quality under the Clean Water Act, Section 314 Clean Lake guidelines. Sample collection is summarized in Table 3.

Point Source Monitoring

Under the UPDES program, water quality data are collected for compliance monitoring. Before permits are renewed, applications must go through the TMDL process. A Waste Load Allocation (TMDL) is calculated to determine the level, if any, of a water parameter that can be discharged to a waterbody without impacting its beneficial uses. Industrial and municipal facilities are monitored to ensure that they are meeting their discharge permit limitations. Table 4 provides a list of the municipal and industrial facilities that are being monitored.

Total Maximum Daily Load Monitoring

As stated above TMDL analyses are run to determine the amounts, if any, of water quality parameters that can be safely discharged to the State's waters without causing harm to the aquatic ecosystem and its beneficial uses. Data are also collected to identify those waterbodies that are not supporting their beneficial uses. Under section 303(d) of the Clean Water Act, each state is required to identify and submit a list of these waterbodies to the U.S. Environmental Protection Agency (EPA) every two years (even numbered years). Waterbodies are then selected to have a TMDL assessment made. The TMDL determines the sources and amounts of pollution that are entering a waterbody. Calculations can then be made to determine how much the input from each source would have to be reduced so that the waterbody meets the state water quality standards and to support its beneficial uses. Monitoring sites for TMDL analyses associated with point sources are listed in Table 5.

Nonpoint Source Monitoring

Data have primarily been collected to determine background levels of water quality constituents and to determine the effectiveness of the Nonpoint Source Projects that have been implemented. Traditional methods of monitoring the water chemistry are important, but stream function and biology are also important in determining the health of a stream. To this end, the DWQ was

instrumental in developing an interagency NPS Monitoring Workgroup in 1993 to evaluate the effectiveness of BMP practices and 319 watershed restoration projects in Utah. Data on the riparian zone vegetation, stream geomorphology, fish habitat and fish populations are used to evaluate the effectiveness of BMP implementation. The current workgroup membership is made up of representatives from the Utah Division of Wildlife Resources, Natural Resource Conservation Service, Utah State University Extension, and the Utah Department of Agriculture and Food. This group of specialists has surveyed the channel configuration, counted and weighed fish, tallied aquatic insects and mapped the health of streamside vegetation at several nonpoint source project sites. Detailed records were recorded at each site, including photographs of the conditions before, during and after project implementation. Specific methods used to evaluate projects have included stream cross-sections, longitudinal profiles, water surface profiles, Habitat Quality Index calculations, riparian vegetation surveys, fish population surveys, channel substrate particle size distributions, bank angles, bank profile/pins, riparian canopy densities, solar energy input, and permanent photo points. The group has also developed standard operating and quality control/assurance procedures. Table 6 provides a listing of the water chemistry sites.

Ground Water Monitoring

Ground water monitoring is currently done to obtain data for oversight of municipal and industrial ground water discharge permit requirements. The ground water monitoring program was expanded to monitor ground water in parts of the state where there are concerns about water quality. Current projects include Cedar Valley/Iron County baseline groundwater quality study, Millard County (Chicken Farm) baseline water quality study, Mammoth Creek septic tank impact study, and the East Canyon Creek ground water/surface water interface study. Table 7 provides a list the monitoring sites for the groundwater monitoring.

Cooperative Agreements

Cooperative agreements between the Division and other agencies involved in water quality management were developed to assist other agencies in meeting their responsibilities for the protection of water resources, to reduce program costs for the State and other agencies, and improve the monitoring program by assisting each other. The Division has cooperative agreements with the U.S. Forest Service, U.S. Bureau of Land Management, Canyon Lands National Park, Davis County, Jordanelle Technical Advisory Committee, and Salt Lake City. The cooperative monitoring sites are listed in Table 8.

Synopsis of Water Quality Monitoring

A synoptic overview of each of the Division's water quality monitoring programs are provided on pages 4-10. These synoptic overviews include the objectives, rational, purpose, utilization of data, and a short description of the monitoring program. Tables summarize the water quality sampling sites, parameters being analyzed, frequency of sampling, and the schedule for the major programs.

Stream Water Quality Assessment Program

Coordinator - Tom Toole

Objective: Provide essential river and stream water quality assessment data to determine long term water quality trends on major rivers in each basin throughout the State and through intensive basin surveys identify and quantify water quality problems. To assess beneficial use support and determine the effectiveness of pollution control programs.

Rationale: Utah assesses the quality of its water resources to protect it for drinking, fishing, swimming, boating, irrigation, stock watering, and supporting aquatic wildlife. Once data are collected and evaluated, water quality problems can be identified and then resources can be concentrated in those basin/watersheds where the most beneficial results can be obtained. In addition, water quality reports to staff, other State agencies, the public, local and state officials, and federal agencies can be used to justify water quality improvement projects and programs to ensure the continued protection of Utah's rivers and streams as the State continues to grow.

Purpose: The focus of this monitoring program is to determine if the rivers and streams or segments of them are meeting their designated beneficial uses. Where those uses are not being met, the causes and sources of the water quality problems need to be identified and quantified. This will allow water quality programs to be focused on critical areas within each basin, allow the Division to prioritize its management plans, determine the effectiveness of its water quality management plans and assist individuals and agencies involved in protecting the quality of the State's waters.

Data Utilization: Beneficial use support will be determined for rivers and streams or segments thereof. This will provide the basis for identifying the types and sources of water pollution. These data will provide the basis for prioritizing projects, developing protective measures for water quality, and provide other agencies with water quality information that can be used in meeting their responsibilities. Data will also be used for CWA Section 305(b) assessments. Upon request, these data will be given to the public and other entities. Various reports will be written and disseminated to project sponsors, local and State officials, government and private entities and the public to expand the awareness of the need to protect and enhance the water quality of Utah's rivers and streams.

Monitoring Program: The monitoring program consists of basin intensive and long-term fixed-station ambient water quality monitoring sites. The state has been divided into ten (10 hydrologic basins or water quality management units. These units have been combined to form five regions in which basin intensive water quality surveys will be done. Selected basins within each region will be monitored every five years. The fixed-station ambient monitoring program consists of 64 stations located on major rivers and streams within each basin throughout the state and will be monitored every 6 weeks throughout the year. These stations will be used to evaluate long-term water quality trends. The current intensive monitoring program is being conducted in the Uinta Watershed Management Unit. Tables 1 and 2 provide a detailed listing of monitoring sites and parameters for the fixed ambient stations and the intensive survey that is being to be conducted during the this year.

Lake/Reservoir Water Quality Assessment Program
Coordinator - Harry Judd

Objective: Provide essential lake assessment data to determine long term water quality trends for lakes and reservoirs and develop goals for implementation projects to restore or protect existing water quality.

Rationale: In an effort to establish management plans to protect or restore water quality, it is essential to conduct a monitoring program to determine existing water quality conditions. These data will provide the basis for assessment, determination of impairment, establishment of acceptable water quality goals and support for securing funding to implement water quality projects.

Purpose: To obtain productivity data for lakes and reservoirs. The focus of this plan is to determine lake transparency values, phosphorus concentrations, and chlorophyll-a levels. Other data will be obtained to facilitate in the overall evaluation of each lake or reservoir.

Utilization: Determine overall Carlson Trophic State Index (TSI) values for each lake or reservoir. Data will be compared against State water quality standards to determine beneficial use support. Upon request, these data will be given to the public and other entities. Various reports will be written and disseminated to project sponsors, local and state officials, government and private entities and the public to expand the awareness of the need to protect and enhance the water quality of rivers and streams. In addition, water quality data will be used to identify impaired waterbodies and establish water quality goals for implementation projects to restore or protect water quality. Data will also be used for CWA 305(b) assessments and developing the priority list for lake and reservoir projects pursuant to Section 314 of CWA.

Monitoring Program: An on-going minimal plan of summer monitoring for essential lakes and reservoirs will be conducted by personnel from the Division of Water Quality. Table 3 provides an overview of the lake water quality monitoring program.

Municipal and Industrial (Point Source) Oversight Monitoring Program
Coordinator - Gayle Smith

Objective: Provide data to determine if the municipal and industrial dischargers are meeting their permit requirements.

Rationale: Under the UPDES program, municipal and industrial dischargers that have permits are required to meet the limitations on parameters in their permits. They are required to submit a monthly report based upon their own monitoring. In addition, the state monitors these facilities on a regular basis to ensure that they are in compliance.

Purpose: To ensure that UPDES permit requirements are being met by municipal and industrial dischargers.

Utilization: Determine the sources and amounts of constituents that are being discharged to a water body and determine if the permittee is meeting the requirements set forth in the UPDES permit.

Monitoring Program: The program is conducted by personnel from the Division of Water Quality and the sites are monitored eight times a year. Table 4 lists municipal and industrial monitoring sites that will be sampled during the coming year.

Total Maximum Daily Load Monitoring Program
Coordinator - Bill Moellmer

Objective: Provide total maximum daily load analysis for stream and reservoir projects and to determine the amount of certain permit parameters that can be safely discharged to the state's waters without causing harm to the aquatic ecosystem. Identify and quantify sources of point and nonpoint source pollution and provided data to implement best management practices that will correct these problems.

Rationale: Under section 303(d) the state is required to identify those waterbodies that presently or that are not expected to meet state water quality criteria and to do TMDL's on these waterbodies. In addition, those facilities requiring a permit renewal are evaluated under the TMDL procedure. This list is to be updated every two years in conjunction with the 305(b) report. Managers need sufficient and reliable data to direct their programs, meet the needs of the Department and the State, and to provide information to the public in a definitive and useful format.

Purpose: The focus of the monitoring program is to complete TMDL's on those waters identified as needing them and to assist in the UPDES permitting process by determining the levels, if any, that a water constituent can be discharged to a waterbody without impacting its beneficial uses.

Utilization: Determine the sources and amounts of pollution that are entering a water body, develop a TMDL for a basin, and determine the amount of a water constituent that can be discharged to a waterbody without impacting its beneficial uses.

Monitoring Program: The program will be conducted by personnel from the Division of Water Quality. Locations within a basin will be identified and monitored to provide the data necessary to do TMDL's for point sources and load allocations for nonpoint sources of pollution. Refer to Table 5 for specific sites and parameters to be monitored this year.

319 Nonpoint Source Monitoring Program

Coordinator - Roy Gunnell

Objective: Provide background stream data, identify water quality problems, identify nonpoint source pollution problems, determine trends for problem parameters, and evaluate the effectiveness of management plans.

Rationale: The rationale of the nonpoint source monitoring program is to document the contributions of nonpoint source pollution to a waterbody. The monitoring program also develops criteria for monitoring BMP effectiveness through a feed-back-loop process. The program establishes background information and determines improvement in water quality. The monitoring program is mandatory under EPA guidelines for the 319 program.

Purpose: The monitoring program establishes water quality information to be utilized by agencies associated with watershed improvement activities through a coordinated resource management planning process to document the effectiveness of management practices that are implemented to improve water quality.

Monitoring Program: The monitoring program includes collecting data to determine background levels for nonpoint source parameters and to evaluate the effectiveness of management practices that have been implemented. Data will include water chemistry, physical, and biological data. Table 6 provides sites specific water chemistry monitoring.

**Ground Water Monitoring Program
Coordinator - Larry Mize**

Objective: Provide data to determine the if municipal and industrial well permittees are meeting their permit requirements.

Rationale: Under the Ground Water Program permeates are required to meet the limitations on parameters in their permits. Periodically, as set by the permit, the State monitors their wells to ensure that they are in compliance.

Purpose: To ensure that ground water permit requirements are being met by the permittees.

Utilization: Determine the sources and amounts of constituents that are in the groundwater being monitored and determine if the permittees are meeting the requirements set forth in the permit.

Monitoring Program: The program is conducted by personnel from the Division of Water Quality and the sites are monitored as set forth in each permit. Table 7 describes ground water permit sites, parameters, and lab costs associated with each site.

Cooperative Water Quality Monitoring Program
Coordinators
Forest Service - Tom Toole
Bureau of Land Management - Tom Toole
National Park Service - Tom Toole
Salt Lake County - Tom Toole

Objective: To assist other State, local, and Federal Agencies in determining the water quality of waterbodies that come under their responsibility and to share costs in collecting and analyzing samples.

Rationale: These programs assist the Division of Water Quality in extending its capabilities to monitor the waters of the State. It also allows other agencies to meet their responsibilities of protecting those water under their jurisdiction.

Purpose: To enhance the Division's water quality monitoring program and to encourage other agencies to meet their responsibility for protecting waters of the State.

Utilization: Determine the sources and amounts of constituents that are in lakes and streams and determine if they are supporting their designated beneficial uses.

Monitoring Program: The program is conducted by various agencies withing the State. In some cases, the other agencies collect the samples and Division pays for the laboratory costs. In other instances, the Division will collect the samples and the cooperating agency will pay for the laboratory analyses. The monitoring aspects of each program are described in Table 8.

Table 1. Ambient Longterm Sites							
No.	STORET No.	Site Description	Source Code	Sample Type	Suite of Parameters	Additional Parameters	No. of Surveys
1	490110	BEAR R NEAR CORINNE AT U83 XING	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
2	490170	BEAR R AT I-15 XING 2 MI NE OF HONEYVILLE	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
3	490326	BEAR R AB CUTLER RES AT BRIDGE 1 MI W OF BENSON	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
4	490500	LITTLE BEAR R @ CR376 XING (MENDON RD)	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
5	490520	LOGAN R AT MOUTH OF CANYON	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
6	490570	LITTLE BEAR R W OF AVON AT CR XING	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
7	490610	BEAR R W OF FAIRVIEW IDAHO	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
8	492005	WEBER RIVER NEAR PLAIN CITY	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
9	492100	WEBER R AT GATEWAY TO POWER HOUSE	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
10	492320	OGDEN R AT MOUTH OF CANYON AT VALLEY DRIVE XING	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
11	492469	S FK OGDEN R AT L MAGPIE CMPGD	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
12	492520	E CAN CK AB RES AT U65 XING	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
13	492635	CHALK CK AT US189 XING	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
14	492725	WEBER R AB WANSHIP RES	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
15	490580	THISTLE CREEK AB THISTLE LAKE	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
16	499088	JORDAN R AT NEWSTATE ROAD XING	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
17	499182	JORDAN R AT CUDAHY LANE AB S DAVIS S WWTP	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
18	499366	LCI LITTLE COTTONWOOD CK AB MURRY CY WATER INTAKE	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
19	499460	JORDAN R AT BLUFFDALE ROAD XING	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
20	499479	JORDAN RIVER AT UTAH LAKE OUTLET*	03	04	CHEM2, MET3	NH3, T-P, D-NO2+	8
21	499564	DIAMOND FK CK AB SPANISH FK R AT US6 89 XING	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
22	499579	SPANISH FK R AB CNFL / DIAMOND FK CK	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
23	499669	PROVO R AT U114 XING	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
24	499678	PROVO RIVER AT MURDOCK DIVERSION	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
25	499840	PROVO R AB WOODLAND AT USGS GAGE NO.10154200	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
26	591363	PROVO RIVER AB CNFL/ SNAKE CK AT MCKELLER BRIDGE	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
27	493027	SAN RAFAEL R AT CHAFFIN RANCH	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
28	493141	GREEN R AT I70 XING AB GREEN R CITY WWTP	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
29	493165	PRICE R NEAR WOODSIDE AT US50 6 XING	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
30	493281	PRICE R AB PRICE R COAL (BRAZTAH	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
31	493352	WHITE R NEAR OURAY AT U88 XING	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
32	493410	DUCHESNE R NEAR RANDLETT	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
33	493414	DRY GULCH ABOVE UINTAH RIVER AT ROAD CROSSING	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
34	493522	DUCHESNE R BL CNFL / ROCK CK	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
35	493615	STRAWBERRY R AB STARVATION RES	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
36	493675	DUCHESNE R AB TABIONA BL CNFL / W FK DUCHESNE R	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
37	493702	GREEN R NEAR OURAY AT U88 XING	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
38	493721	ASHLEY CK AB CNFL / GREEN R	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
39	493790	GREEN R AT DINOSAUR NATL MONUMENT U149 XING	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
40	493810	GREEN R AT BROWNS PARK-BUR RECL GAGE STA	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
41	495300	SAN JUAN R AT MEXICAN HAT US163 XING	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
42	495433	FREMONT R AT OLD U24 XING	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
43	495436	FREMONT R AT HICKMAN BRIDGE TRAILHEAD	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
44	495438	FREMONT R NEAR BICKNELL	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
45	495455	FREMONT R AB MILL MEADOWS RES	03	04	CHEM2, MET3	TP04, T-NO2NO3	8

Table 1. Ambient Longterm Sites							
No.	STORET No.	Site Description	Source Code	Sample Type	Suite of Parameters	Additional Parameters	No. of Surveys
46	495500	MUDDY CK AT OLD U24 XING	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
47	495530	MUDDY CK AT I70 XING	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
48	495849	COLO R AT DEWEY BRIDGE	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
49	495860	DOLORES R AT MOUTH	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
50	495002	VIRGIN R BL FIRST NARROWS	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
51	495009	SANTA CLARA R AB VIRGIN RIVER	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
52	495032	VIRGIN R AT U15 XING W OF HURRICANE	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
53	495095	N FK VIRGIN R AB CNFL / E FK VIRGIN R	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
54	495140	E FK VIRGIN R AB CNFL / N FK VIRGIN R	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
55	495181	KANAB CK AT US89 XING	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
56	494110	SEVIER R AT U257 XING IN DESERET	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
57	492210	SEVIER R NEAR LYNDYLL	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
58	494247	SEVIER R AB YUBA RES SW OF FAYETTE	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
59	494615	SAN PITCH R 2MI E OF GUNNISON AT U137 XING	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
60	494675	SAN PITCH RIVER 2.5 MI W OF MT PLEASANT AT U116 XING	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
61	494910	E FK SEVIER R AT U62 XING E OF KINGSTON	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
62	494945	SEVIER R 6MI SW OF CIRCLEVILLE	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
63	494895	SEVIER R AB CNFL CLEAR CREEK	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
64	594044	BEAVER R E OF BEAVER AT USFS BOUNDRY	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
64	594021	BEAVER RIVER @ U21	03	04	CHEM2, MET3	TP04, T-NO2NO3	8
	Code	Parameters					
	CHEM2	Inorganic Chemistry					
		Bicarbonate					
		Carbonate					
		Carbonate Solids					
		Carbon Dioxide					
		Chemical Balance					
		Chloride					
		Hydroxide					
		pH					
		Specific Conductance					
		Sulfate					
		Total Alkalinity					
		Total Dissolved Solids					
		Total Hardness					
		Total Suspended Solids					
		Turbidity					
		CHEMISTRY TYPE 2					
	MET3	Metals					
		D-Aluminum					
		D-Arsenic					
		D-Barium					

Table 1. Ambient Longterm Sites							
No.	STORET No.	Site Description	Source Code	Sample Type	Suite of Parameters	Additional Parameters	No. of Surveys
		D-Cadmium					
		D-Chromium					
		D-Copper					
		D-Iron					
		D-Lead					
		D-Manganese					
		D-Mercury					
		D-Selenium					
		D-Silver					
		D-Zinc					
		D-Calcium					
		D-Magnesium					
		D-Potassium					
		D-Sodium					
		METALS TYPE 3					
		NUTRIENTS					
	NH3(4X)	Ammonia					
	D-NO2+	Dissolved Nitrite&Nitrate					
	T-PH	Total Phosphorus					
		Total Dissolved Phosphorus					

Table 2. Uinta Watershed Management Unit Intensive Survey

No.	STORET NO.	Sampling Agency	Site Description	Source Code	Sample Type	Suite of Parameters	Additional Parameters	No. of Surveys
1	493350	DWQ	WILLOW CK NR OURAY AB CNFL/GREEN R	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
2	493352	DWQ	WHITE R NEAR OURAY AT U88 XING*	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
3	493387	DWQ	EVACUATION CK AB CNFL/ WHITE R	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
4	493397	DWQ	WHITE R NEAR BONANZA AT U45 XING	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
5	493405	DWQ	DUCHESNE R AB CNFL / GREEN RIVER	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
6	493410	DWQ	DUCHESNE R NEAR RANDLETT	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
7	493411	DWQ	UINTA R AT RANDLETT	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
8	493412	DWQ	OURAY SCHOOL CANAL	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
9	493413	DWQ	DRY GULCH CANAL	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
10	493414	DWQ	DRY GULCH ABOVE UINTAH RIVER AT ROAD CROSSING	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
11	493419	DWQ	DUCHESNE R AT MYTON AT US40 XING	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
12	493450	DWQ	DUCHESNE R AB CNFL / STRAWBERRY RIVER	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
13	493451	DWQ	STRAWBERRY R AB CNFL / DUCHESNE RIVER	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
14	493453	DWQ	INDIAN CAN CK AB CNFL /STRAWBERRY RIVER	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
15	493498	DWQ	DEEP CK @ U121 XING E OF LAPOINT	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
16	493507	DWQ	WHITEROCKS RIVER AT NFS BNDY	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
17	493512	DWQ	YELLOWSTONE R NEAR USFS BOUNDARY NEAR ALTONAH UT	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
18	493516	DWQ	UINTA RIVER AT NFS BNDY	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
19	493522	DWQ	DUCHESNE R BL CNFL / ROCK CK	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
20	493545	DWQ	ROCK CREEK @ NFS BNDY	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
22	493574	DWQ	LAKE FORK R AB CNFL / DUCHESNE RIVER	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
23	493580	DWQ	LAKE FORK R AT U87 XING S OF UPULCO	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
24	493585	DWQ	LAKE FK AB CNFL/ YELLOWSTONE RIVER	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
25	493595	DWQ	BROWN DUCK CK AB MOON LAKE	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
26	493613	DWQ	STRAWBERRY R AB AVITAQUIN CYN CK	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
27	493615	DWQ	STRAWBERRY R AB STARVATION RES	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
28	493617	DWQ	RED CREEK AB CNFL / STRAWBERRY RIVER	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
29	493619	DWQ	CURRANT CREEK AB CNFL / RED CREEK	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
30	493625	DWQ	RED CREEK AB CNFL / CURRENT CK	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
31	493626	DWQ	AVINTAQUIN CANYON CK AB STRAWBERRY RES	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
32	493677	DWQ	N FK DUCHESNE R ABOVE CNFL / W FK DUCHESNE RIV.	DONE PREVIOUSLY	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
		DWQ	DUCHESNE R ABOVE TABIONA					
33	493679	DWQ	W FK DUCHESNE R AB CNFL/ N FK	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
36	493702	DWQ	GREEN R NEAR OURAY AT U88 XING	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
37	493708	DWQ	OURAY PARK CANAL @ HWY 40 XING	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
38	493709	DWQ	OURAY PARK CANAL BL COTTONWOOD RES	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
39	493712	DWQ	OURAY PARK CANAL AB PELICAN LAKE	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
40	493721	DWQ	ASHLEY CK AB CNFL/ GREEN RIVER	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
41	493743	DWQ	ASHLEY CK N OF US40 AT CR XING (TMDL Station)	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
42	493744	DWQ	ASHLEY CK AB VERNAL LAGOONS AT CR XING (TMDL Station)	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
43	493748	DWQ	ASHLEY CK NE OF VERNAL @DIAMOND MT RD XING	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
44	493771	DWQ	DRY FK CK AB CNFL / ASHLEY CREEK	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13

Table 2. Uinta Watershed Management Unit Intensive Survey

No.	STORET NO.	Sampling Agency	Site Description	Source Code	Sample Type	Suite of Parameters	Additional Parameters	No. of Surveys
45	493772	DWQ	ASHLEY CK AB CNFL/ DRY FK	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
46	493776	DWQ	BRUSH CK AT U149 XING	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	6
47	493786	DWQ	BIG BRUSH CK AT U44 XING	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
		DWQ	CART CREEK @ US191					
48	493790	DWQ	GREEN R AT DINOSAUR NATL MONUMENT U149 XING	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	6
49	493810	BLM	GREEN R AT BROWNS PARK-BUR RECL GAGE STA	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	6
50	593354	DWQ	LAKE FORK CANAL AB BIG SAND WASH RES	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	6
51	493331	BLM	NINE MILE CK AT MOUTH	BLM PRICE	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	6
52	493333	BLM	NINE MILE CREEK	BLM PRICE	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	6
53	493377	BLM	BITTER CK AT MOUTH	BLM VERNAL	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	6
54	493670	FS	WIDE HOLLOW CK AB CNFL/STRAWBERRY R	UINTA NF	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	4
55	493668	FS	STRAWBERRY RIVER AB DANIELS DIVERSION	UINTA NF	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	4
56	493666	FS	STRAWBERRY R BL CNFL/WILLOW CREEK	UINTA NF	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	4
57	493665	FS	STRAWBERRY RIVER AT WESTSIDE ROAD	UINTA NF	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	4
58	493663	FS	CLYDE CREEK AB OLD NATIONAL FOREST BOUND	UINTA NF	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	4
59	493662	FS	CLYDE CREEK BELOW WESTSIDE ROAD	UINTA NF	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	4
60	493656	FS	CO-OP CREEK @ NARROWS 1 1/4 MI BL USFS B	UINTA NF	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	4
62	493651	FS	TROUT CK AB STRAWBERRY RES AT US40 XING	UINTA NF	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	4
63	493658	FS	TRAIL HOLLOW CREEK AB CNFL/CHIPMAN CREEK	UINTA NF	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	4
64	493661	FS	INDIAN CK AB WESTSIDE RD AB STRAWBERRY RIV	UINTA NF	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	4
65	493655	FS	INDIAN CREEK AB MOUTH OF STREEPER CREEK	UINTA NF	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	4
66	493652	FS	STREEPER CREEK AB INDIAN CREEK ROAD	UINTA NF	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	4
67	493924	FS	BURNT FK AT USGS 1/2 MI AB FOREST BNDY	WASATC H NF	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	4
68	493928	FS	E FK BEAVER CK AB HOLE IN ROCKSPR AT US	WASATC H NF	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	4
69	493932	FS	MIDDLE FK BEAVER CK AT FOREST RD 058 XING	WASATC H NF	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	4
70	493934	FS	W FK BEAVER CK AT FOREST RD 058 XING	WASATC H NF	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	4
71	493937	FS	HENRYS FK AB CNFL/ DALGREEN CK	WASATC H NF	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	4
72	493938	FS	HENRIES FK R @ FOREST RD 077 XING	WASATC H NF	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	4
73	493939	FS	HENRIES FK AB NARROWS AT FOREST RD 077 XING	WASATC H NF	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	4
74	493940	FS	DALGREEN CK AB CNFL/ HENRYS FK	WASATC H NF	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	4
75	493941	FS	DAHLGREEN CK @ N SLOPE RD XING	WASATC H NF	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	4

Table 2. Uinta Watershed Management Unit Intensive Survey

No.	STORET NO.	Sampling Agency	Site Description	Source Code	Sample Type	Suite of Parameters	Additional Parameters	No. of Surveys
76	493948	FS	GILBERT CK AB CNFL/ SMITHS FK	WASATC H NF	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	4
80	493955	FS	MIDDLE FK BLACKS FK AB CNFL/ W FK	WASATC H NF	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	4
81	493957	FS	W. FK BLACKS FK AB CNFL/ MIDDLE FK	WASATC H NF	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	4
82	493925	FS	BURNT FK @ N SLOPE RD XING	WASATC H NF	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	4
83	493943	FS	SMITHS FK 3.5 MI N UT/WYO ST LINE	WASATC H NF	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	4
84	493380	BLM	SWEETWATER CK /AB CONFL B. CK	BLM VERNAL	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	6
85	493334	BLM	PARIETTA DRAW	BLM VERNAL	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	6
86	493348	BLM	PARIETTA DRAW	BLM VERNAL	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	6
87	593241	DWQ	BROUGH RES. SPILLWAY	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
88	493423	DWQ	ANTELOPE CK AT US40 XING	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
89	493310	BLM	GREEN R @ RANGE CK	BLM PRICE	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
90	493311	BLM	RANGE CREEK @ MOUTH	BLM PRICE	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
93	493812	BLM	SEARS CREEK 0.5 MI AB CONFL/GREEN RIVER	BLM VERNAL	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
61	493653	FS	CO-OP CREEK ABOVE CNFL W/STRAWBERRY RIVER	UINTA NF	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	4
77	493951	FS	W FK SMITHS FK AB CNFL/ SMITHS FK	WASATC H NF	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	4
78	493953	FS	EAST FK BLACKS FK AB CNFL/ W FK	WASATC H NF	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	4
79	493954	FS	W FK BLACKS FK AB CNFL W/ E FK BLACKS FK	WASATC H NF	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	4
94	493321	BLM	ROCK CK AT MOUTH AB CNFL/ GREEN RIVER	BLM PRICE	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	6
91	493525	DWQ	ROCK CK AB CNFL/ DUCHESNE RIVER* 93	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
92	493782	DWQ	LITTLE BRUSH CK AT MOUTH OF GORGE	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
21	493573	DWQ	ZIMMERMAN WASH AB CNFL/ LAKE FORK RIVER	03	04	CHEM2, MET3	NH3, TPO4, NO23, D-TP	13
95	493882	FS	LOWER BEAVER CK	DONE PREVIOUSLY - ASHLEY NF				
96	493884	FS	UPPER BEAVER CK	DONE PREVIOUSLY - ASHLEY NF				
97	493886	FS	S FK SHEEP CK	DONE PREVIOUSLY - ASHLEY NF				
98	493887	FS	UPPER S FK SHEEP CK	DONE PREVIOUSLY - ASHLEY NF				
99	493888	FS	MIDDLE FK SHEEP CK	DONE PREVIOUSLY - ASHLEY NF				
100	493889	FS	LOWER N FK SHEEP CK	DONE PREVIOUSLY - ASHLEY NF				
101	493891	FS	UPPER N FK SHEEP CK	DONE PREVIOUSLY - ASHLEY NF				
102	493597	FS	LAKE FK R AB MOON LAKE	DONE PREVIOUSLY - ASHLEY NF				

Table 2. Uinta Watershed Management Unit Intensive Survey

No.	STORET NO.	Sampling Agency	Site Description	Source Code	Sample Type	Suite of Parameters	Additional Parameters	No. of Surveys
		Code	Parameters					
	CHEM2	CHEM2	Inorganic Chemistry					
			Bicarbonate					
			Carbonate					
			Carbonate Solids					
			Carbon Dioxide					
			Chemical Balance					
			Chloride					
			Hydroxide					
			pH					
			Specific Conductance					
			Sulfate					
			Total Alkalinity					
			Total Dissolved Solids					
			Total Hardness					
			Total Suspended Solids					
			Turbidity					
			CHEMISTRY TYPE 2					
	MET3	MET3	Metals					
			D-Aluminum					
			D-Arsenic					
			D-Barium					
			D-Cadmium					
			D-Chromium					
			D-Copper					
			D-Iron					
			D-Lead					
			D-Manganese					
			D-Mercury					
			D-Selenium					
			D-Silver					
			D-Zinc					
			D-Calcium					
			D-Magnesium					
			D-Potassium					
			D-Sodium					
			METALS TYPE 3					
			NUTRIENTS					
	NH3	NH3	Ammonia					
	D-NO2+	D-NO2+	Dissolved Nitrite&Nitrate					

Table 2. Uinta Watershed Management Unit Intensive Survey

No.	STORET NO.	Sampling Agency	Site Description	Source Code	Sample Type	Suite of Parameters	Additional Parameters	No. of Surveys
	T-PH	T-PH	Total Phosphorus					
	D-TP	D-TP	Total Dissolved Phosphorus					

Table 3. Lake Monitoring

STORET	DESCRIPTION	314	Collection Frequency	Type Code	Unit Cost	No Yr
	EVEN LAKE YEAR SAMPLING (1996)					
594115	Anderson Meadow Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
493767	Ashley Twin Lakes	314	June/August EVEN YEAR	LakeLi	Lake1m	2
595054	Baker Dam Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
594495	Barney Lake	314	June/August EVEN YEAR	LakeLi	Lake1m	2
595209	Blanding City Reservoir #4	314	June/August EVEN YEAR	LakeLi	Lake1m	2
593607	Scout Lake	314	June/August EVEN YEAR	LakeLi	Lake1m	2
593937	Bridger Lake	314	June/August EVEN YEAR	LakeLi	Lake1m	2
593245	Brough Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
593611	Butterfly Lake	314	June/August EVEN YEAR	LakeLi	Lake1m	2
593780	Calder Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
593945	China Lake	314	June/August EVEN YEAR	LakeLi	Lake1m	2
595562	Cook Lake	314	June/August EVEN YEAR	LakeLi	Lake1m	2
494140	DMAD Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
593186	Duck Fork Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
492516	East Canyon Reservoir	314	June/August ODD YEARS	LakeLi	Lake1m	16
492613	Echo Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
593228	Fairview Reservoir #2	314	June/August EVEN YEAR	LakeLi	Lake1m	2
593180	Ferron Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
595595	Forsyth Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
594355	Gunnison Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
494123	Gunnison Bend Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
593595	Hoover Lake	314	June/August EVEN YEAR	LakeLi	Lake1m	2
593208	Huntington Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
591401	Jordanelle Reservoir above dam	314	June/August EVEN YEAR	LakeLi	Lake1m	2
594118	Kents Lake	314	June/August EVEN YEAR	LakeLi	Lake1m	2
594577	Koosharem Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
594128	Labaron Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
591168	Lake Mary	314	June/August EVEN YEAR	LakeLi	Lake1m	2
590651	Little Creek Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
499218	Little Dell Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
492591	Lost Creek Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
594562	Lower Box Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
593986	Lyman Lake	314	June/August EVEN YEAR	LakeLi	Lake1m	2
594504	Manning Meadow Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
593592	Marshall Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
593785	Matt Warner Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
593201	Miller Flat Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
594011	Minersville Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
591807	Mona Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
595221	Monticello Lake	314	June/August EVEN YEAR	LakeLi	Lake1m	2
494061	Newcastle Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
490313	Newton Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
594324	Nine Mile Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
494922	Otter Creek Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
494628	Palisades Lake	314	June/August EVEN YEAR	LakeLi	Lake1m	2
594948	Panguitch Lake	314	June/August EVEN YEAR	LakeLi	Lake1m	2
493713	Pelican Lake	314	June/August EVEN YEAR	LakeLi	Lake1m	2
492381	Pineview Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
593621	Red Creek Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
594180	Red Creek Reservoir (Iron Co.)	314	June/August EVEN YEAR	LakeLi	Lake1m	2
594395	Redmond Lake	314	June/August EVEN YEAR	LakeLi	Lake1m	2
594410	Rex's Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
592331	Rockport Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
591761	Salem Pond	314	June/August EVEN YEAR	LakeLi	Lake1m	2
593100	Scofield Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	4
596020	Settlement Canyon Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
494230	Sevier Bridge Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
593806	Sheep Creek Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
593825	Spirit Lake	314	June/August EVEN YEAR	LakeLi	Lake1m	2
596015	Stansbury Lake	314	June/August EVEN YEAR	LakeLi	Lake1m	2
493605	Starvation Reservoir	314	June/August EVEN YEAR	LakeLi	Lake1m	2
493720	Stewart Lake	314	June/August EVEN YEAR	LakeLi	Lake1m	2

Table 3. Lake Monitoring

STORET	DESCRIPTION	314	Collection Frequency	Type Code	Unit Cost	No Yr	
493632	Strawberry Reservoir above Dam (T-14)	314	June/August EVEN YEAR	Lake1i	Lake1m	2	
594110	Three Creeks Reservoir	314	June/August EVEN YEAR	Lake1i	Lake1m	2	
591646	Trial Lake	314	June/August EVEN YEAR	Lake1i	Lake1m	2	
591657	Wall Lake	314	June/August EVEN YEAR	Lake1i	Lake1m	2	
591626	Washington Lake	314	June/August EVEN YEAR	Lake1i	Lake1m	2	
595386	Wide Hollow Reservoir	314	June/August EVEN YEAR	Lake1i	Lake1m	2	
492044	Willard Bay Reservoir	314	June/August EVEN YEAR	Lake1i	Lake1m	2	
594190	Yankee Meadow Reservoir	314	June/August EVEN YEAR	Lake1i	Lake1m	2	
	EVEN YEAR SECONDARY LAKE SITES						
595055	Baker Dam Reservoir (02)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
593244	Brough Reservoir (02)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
494141	DMAD Reservoir (02)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
494142	DMAD Reservoir (03)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
492517	East Canyon Reservoir (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2	
492518	East Canyon Reservoir (03)	314	June/August ODD YEARS	Lake2i	Lake2m	2	
492614	Echo Reservoir (02)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
594356	Gunnison Reservoir (02)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
494124	Gunnison Bend Reservoir (02)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
494125	Gunnison Bend Reservoir (03)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
593209	Huntington Reservoir (02)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
591403	Jordanelle Reservoir North arm (02)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
591404	Jordanelle Reservoir Provo arm (3)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
492592	Lost Creek Reservoir (02) Morgan	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
492594	Lost Creek Reservoir (03) Morgan	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
593786	Matt Warner Reservoir (02)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
594012	Minersville Reservoir (02)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
594013	Minersville Reservoir (03)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
491299	Mona Reservoir (02)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
494062	Newcastle Reservoir (02)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
490314	Newton Reservoir (02)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
490315	Newton Reservoir (03)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
594325	Nine Mile Reservoir (02)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
494923	Otter Creek Reservoir (02)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
494931	Otter Creek Reservoir (05)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
594949	Panguitch Lake (02)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
493714	Pelican Reservoir (02)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
492382	Pineview Reservoir (02)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
492383	Pineview Reservoir (03)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
492384	Pineview Reservoir (04)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
592332	Rockport Reservoir (02)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
591762	Salem Pond (02)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
593098	Scofield Reservoir (02)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
593099	Scofield Reservoir (03)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
494231	Sevier Bridge Reservoir (02)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
494232	Sevier Bridge Reservoir (03)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
493606	Starvation Reservoir (02)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
493608	Starvation Reservoir (04)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
493633	Strawberry Reservoir in Narrows (T-12)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
593676	Strawberry Reservoir at Indian Ck Bay (T-10)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
493643	Strawberry Reservoir in Strawberry Bay (T-5)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
493645	Strawberry Reservoir near old Dam site (T-8)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
492045	Willard Bay Reservoir (02)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
492046	Willard Bay Reservoir (03)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
492047	Willard Bay Reservoir (04)	314	June/August EVEN YEAR	Lake2i	Lake2m	2	
	EVEN YEAR STREAM SITES						
594116	S Fk Beaver R above Anderson Meadow Reservoir	314	June/August EVEN YEAR	Lake3i	Lake3m	2	
595059	Santa Clara R above Baker Dam Reservoir	314	June/August EVEN YEAR	Lake3i	Lake3m	2	
595214	Stream above Blanding City Reservoir #4	314	June/August EVEN YEAR	Lake3i	Lake3m	2	

Table 3. Lake Monitoring

STORET	DESCRIPTION	314	Collection Frequency	Type Code	Unit Cost	No Yr
490718	Bear Lake	314	June/August ODD YEARS	Lake1i	Lake1m	2
593833	Beaver Meadow Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
591791	Big East Lake	314	June/August ODD YEARS	Lake1i	Lake1m	2
593352	Big Sand Wash Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
590713	Birch Creek Reservoir #2	314	June/August ODD YEARS	Lake1i	Lake1m	2
593792	Browne Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
492473	Causey Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
593205	Cleveland Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
593645	Currant Creek Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
591322	Deer Creek Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
495462	Donkey Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
492516	East Canyon Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
593775	East Park Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
493119	Electric Lake	314	June/August ODD YEARS	Lake1i	Lake1m	2
495487	Fish Lake	314	June/August ODD YEARS	Lake1i	Lake1m	2
493855	Flaming Gorge Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
596087	Grantsville Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
495051	Gunlock Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
593837	Hoop Lake	314	June/August ODD YEARS	Lake1i	Lake1m	2
593197	Huntington Lake North Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
590167	Hyrum Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
493104	Joes Valley Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
595610	Johnson Valley Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
595850	Kens Lake	314	June/August ODD YEARS	Lake1i	Lake1m	2
495132	Kolob Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
	Lake Powell	314	June/August ODD YEARS	Lake1i	Lake1m	2
595825	Lloyds Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
593810	Long Park Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
593224	Lower Gooseberry Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
595452	Lower Bowns Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
490044	Mantua Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
593940	Marsh Lake	314	June/August ODD YEARS	Lake1i	Lake1m	2
593977	Meeks Cabin Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
591455	Mill Hollow Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
595588	Mill Meadow Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
593174	Millsite Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
593605	Mirror Lake	314	June/August ODD YEARS	Lake1i	Lake1m	2
493593	Moon Lake (02)	314	June/August ODD YEARS	Lake1i	Lake1m	2
594681	Navajo Lake	314	June/August ODD YEARS	Lake1i	Lake1m	2
593770	Oak Park Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
594948	Panguitch Lake	314	June/August ODD YEARS	Lake1i	Lake1m	2
593262	Paradise Park Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
594609	Pine Lake	314	June/August ODD YEARS	Lake1i	Lake1m	2
494916	Piute Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
490579	Porcupine Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
595376	Posey Lake	314	June/August ODD YEARS	Lake1i	Lake1m	2
594145	Puffer Lake	314	June/August ODD YEARS	Lake1i	Lake1m	2
495035	Quail Creek Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
595801	Recapture Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
593765	Red Fleet Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
596081	Rush Lake	314	June/August ODD YEARS	Lake1i	Lake1m	2
593100	Scofield Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
	Silver Lake Flat Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
592396	Smith and Morehouse Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
593934	Stateline Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
493755	Steinaker Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
594110	Three Creeks Reservoir	314	June/August ODD YEAR 9	Lake1i	Lake1m	2
591282	Tibble Fork Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
590275	Tony Grove Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
494934	Tropic Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
493550	Upper Stillwater Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
494072	Upper Enterprise Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
491731	Utah Lake off Geneva Steel	314	June/August ODD YEARS	Lake1i	Lake1m	2
590778	Whitney Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2

Table 3. Lake Monitoring

STORET	DESCRIPTION	314	Collection Frequency	Type Code	Unit Cost	No Yr
590686	Woodruff Creek Reservoir	314	June/August ODD YEARS	Lake1i	Lake1m	2
	ODD YEAR SECONDARY LAKE SITES					
490717	Bear Lake (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
490716	Bear Lake (03)	314	June/August ODD YEARS	Lake2i	Lake2m	2
490715	Bear Lake (04)	314	June/August ODD YEARS	Lake2i	Lake2m	2
490700	Bear Lake (05)	314	June/August ODD YEARS	Lake2i	Lake2m	2
490698	Bear Lake (06)	314	June/August ODD YEARS	Lake2i	Lake2m	2
490696	Bear Lake (07)	314	June/August ODD YEARS	Lake2i	Lake2m	2
492474	Causey Reservoir (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
492475	Causey Reservoir (03)	314	June/August ODD YEARS	Lake2i	Lake2m	2
593646	Currant Creek Reservoir (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
593647	Currant Creek Reservoir (03)	314	June/August ODD YEARS	Lake2i	Lake2m	2
591323	Deer Creek Reservoir (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
591324	Deer Creek Reservoir (03)	314	June/August ODD YEARS	Lake2i	Lake2m	2
492517	East Canyon Reservoir (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
492518	East Canyon Reservoir (03)	314	June/August ODD YEARS	Lake2i	Lake2m	2
493120	Electric Lake (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
495486	Fish Lake (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
493856	Flaming Gorge Reservoir	314	June/August ODD YEARS	Lake2i	Lake2m	2
493860	Flaming Gorge Reservoir (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
493862	Flaming Gorge Reservoir (03)	314	June/August ODD YEARS	Lake2i	Lake2m	2
493864	Flaming Gorge Reservoir (04)	314	June/August ODD YEARS	Lake2i	Lake2m	2
493866	Flaming Gorge Reservoir	314	June/August ODD YEARS	Lake2i	Lake2m	2
493868	Flaming Gorge Reservoir	314	June/August ODD YEARS	Lake2i	Lake2m	2
495052	Gunlock Reservoir (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
590168	Hyrum Reservoir (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
590169	Hyrum Reservoir (03)	314	June/August ODD YEARS	Lake2i	Lake2m	2
493105	Joes Valley Reservoir (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
493106	Joes Valley Reservoir (03)	314	June/August ODD YEARS	Lake2i	Lake2m	2
493107	Joes Valley Reservoir (04)	314	June/August ODD YEARS	Lake2i	Lake2m	2
495133	Kolob Reservoir (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
	Lake Powell (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
	Lake Powell (03)	314	June/August ODD YEARS	Lake2i	Lake2m	2
	Lake Powell (04)	314	June/August ODD YEARS	Lake2i	Lake2m	2
	Lake Powell (05)	314	June/August ODD YEARS	Lake2i	Lake2m	2
595826	Lloyds Lake (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
490045	Mantua Reservoir (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
490046	Mantua Reservoir (03)	314	June/August ODD YEARS	Lake2i	Lake2m	2
593978	Meeks Cabin Reservoir (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
595589	Mill Meadow Reservoir (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
593175	Millsite Reservoir (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
493592	Moon Lake (01)	314	June/August ODD YEARS	Lake2i	Lake2m	2
594682	Navajo Lake (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
594683	Navajo Lake (03)	314	June/August ODD YEARS	Lake2i	Lake2m	2
593771	Oak Park Reservoir (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
594949	Panguitch Lake (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
494917	Piute Reservoir (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
494918	Piute Reservoir (03)	314	June/August ODD YEARS	Lake2i	Lake2m	2
490580	Porcupine Reservoir (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
494036	Quail Creek Reservoir (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
494037	Quail Creek Reservoir (03)	314	June/August ODD YEARS	Lake2i	Lake2m	2
595802	Recapture Reservoir (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
595803	Recapture Reservoir (03)	314	June/August ODD YEARS	Lake2i	Lake2m	2
593766	Red Fleet Reservoir (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
593773	Red Fleet Reservoir (05)	314	June/August ODD YEARS	Lake2i	Lake2m	2
593098	Scofield Reservoir (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
593099	Scofield Reservoir (03)	314	June/August ODD YEARS	Lake2i	Lake2m	2
593932	Stateline Reservoir (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
493757	Steinaker Reservoir (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
493552	Upper Stillwater Reservoir (03)	314	June/August ODD YEARS	Lake2i	Lake2m	2

Table 3. Lake Monitoring

STORET	DESCRIPTION	314	Collection Frequency	Type Code	Unit Cost	No Yr
494073	Upper Enterprise Reservoir (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
491737	Utah Lake	314	June/August ODD YEARS	Lake2i	Lake2m	2
491739	Utah Lake	314	June/August ODD YEARS	Lake2i	Lake2m	2
491750	Utah Lake	314	June/August ODD YEARS	Lake2i	Lake2m	2
491752	Utah Lake	314	June/August ODD YEARS	Lake2i	Lake2m	2
590687	Woodruff Creek Reservoir (02)	314	June/August ODD YEARS	Lake2i	Lake2m	2
	ODD YEAR STREAM SITES					
593354	Canal above Big Sandwash	314	June/August ODD YEARS	Lake3i	Lake3m	2
593353	Big Sandwash Creek above Big Sandwash	314	June/August ODD YEARS	Lake3i	Lake3m	2
590715	Birch Creek above Birch Creek Reservoir #2	314	June/August ODD YEARS	Lake3i	Lake3m	2
593793	Weyman Creek above Browne Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
593794	Beaver Creek above Browne Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
492476	Dry Bread Creek above Causey Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
492477	Wheat Grass Creek above Causey Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
492478	L Fk of S Fk of Ogden River ab Causey Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
492479	R Fk of S Fk of Ogden River ab Causey Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
492480	Skull Creek above Causey Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
593207	Spring above Cleveland Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
593648	Currant Creek above Currant Creek Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
593649	Racetrack Creek above Currant Creek Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
593650	Pass Creek above Currant Creek Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
593651	Lowpass Creek above Currant Creek Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
593652	Upper Stillwater Div above Currant Creek Res	314	June/August ODD YEARS	Lake3i	Lake3m	2
492520	East Canyon Creek above East Canyon Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
593776	Little Brush Creek above East Park Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
493124	Boulger Creek above Electric Lake	314	June/August ODD YEARS	Lake3i	Lake3m	2
493125	Huntington Creek above Electric Lake	314	June/August ODD YEARS	Lake3i	Lake3m	2
495493	Bowery Creek above Fish Lake	314	June/August ODD YEARS	Lake3i	Lake3m	2
495494	Anderson Creek above Fish Lake	314	June/August ODD YEARS	Lake3i	Lake3m	2
495495	Doctor Creek above Fish Lake	314	June/August ODD YEARS	Lake3i	Lake3m	2
495496	Twin Creek above Fish Lake	314	June/August ODD YEARS	Lake3i	Lake3m	2
495497	Pelican Creek above Fish Lake	314	June/August ODD YEARS	Lake3i	Lake3m	2
496015	South Willow Creek above Grantsville Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
596088	North Willow Creek above Grantsville Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
495053	Santa Clara River above Gunlock Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
593838	Thompson Creek above Hoop Lake	314	June/August ODD YEARS	Lake3i	Lake3m	2
593198	North Canal above Huntington North Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
490567	Lower Bear River above Hyrum Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
493110	Lowly Water Creek above Joes Valley Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
493113	Seeley Creek above Joes Valley Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
595615	Seven Mile Creek above Johnson Valley Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
495492	Lake Creek above Johnson Valley Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
595853	Mill Creek above Kens Lake	314	June/August ODD YEARS	Lake3i	Lake3m	2
495135	Kolob Creek above Kolob Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
595828	S Fk Monticello Creek above Lloyds Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
593812	Sheep Creek canal above Long Park Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
595454	Canal above Lower Bowns Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
593225	Gooseberry Creek above Lower Gooseberry Res	314	June/August ODD YEARS	Lake3i	Lake3m	2
490048	Maple Creek above Mantua Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
593979	Black Fk Creek above Meeks Cabin Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
595591	Fremont River above Mill Meadow Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
595592	Um Creek above Mill Meadow Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
591456	Mill Hollow Creek above Mill Hollow Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
593176	Ferron Creek above Millsite Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
493696	Unnamed stream above Mirror Lake	314	June/August ODD YEARS	Lake3i	Lake3m	2
493595	Brown Duck Creek above Moon Lake	314	June/August ODD YEARS	Lake3i	Lake3m	2
493597	Lake Fork Creek above Moon Lake	314	June/August ODD YEARS	Lake3i	Lake3m	2
594691	Unnamed stream above Navajo Lake	314	June/August ODD YEARS	Lake3i	Lake3m	2
593772	Big Brush Creek above Oak Park Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2
594993	Blue Spring Creek above Panguitch Lake	314	June/August ODD YEARS	Lake3i	Lake3m	2
594988	Clear Creek above Panguitch Lake	314	June/August ODD YEARS	Lake3i	Lake3m	2

Table 3. Lake Monitoring

STORET	DESCRIPTION	314	Collection Frequency	Type Code	Unit Cost	No Yr	
594987	Ipsen Creek above Panguitch Lake	314	June/August ODD YEARS	Lake3i	Lake3m	2	
593263	Unnamed stream above Paradise Park Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2	
594612	Spring above Pine Lake	314	June/August ODD YEARS	Lake3i	Lake3m	2	
494910	East Fork Sevier River above Sevier River	314	June/August ODD YEARS	Lake3i	Lake3m	2	
494919	Sevier River above Piute Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2	
490583	Little Bear River above Porcupine Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2	
595377	Stream above Posey Lake	314	June/August ODD YEARS	Lake3i	Lake3m	2	
594149	Cullin Creek above Puffer Lake	314	June/August ODD YEARS	Lake3i	Lake3m	2	
495038	Quail Creek above Quail Creek Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2	
495085	Virgin River near Virgin	314	June/August ODD YEARS	Lake3i	Lake3m	2	
495351	Recapture Creek above Recapture Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2	
493786	Big Brush Creek above Red Fleet Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2	
593149	Mud Creek above Scofield Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2	
593165	Fish Creek above Scofield Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2	
593168	Pondtown Creek above Scofield Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2	
	Silver Creek above Silver Lake Flat Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2	
592399	Bear Trap Creek above Smith & Morehouse Res	314	June/August ODD YEARS	Lake3i	Lake3m	2	
592400	Smith & Morehouse ab Smith & Morehouse Res	314	June/August ODD YEARS	Lake3i	Lake3m	2	
593935	East Fk Smith Fk above Stateline Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2	
493752	Steinaker Ditch above Steinaker Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2	
594111	N Fk Three Creeks above Three Creeks Res	314	June/August ODD YEAR 9	Lake3i	Lake3m	2	
594112	Lake Creek above Three Creeks Reservoir	314	June/August ODD YEAR 9	Lake3i	Lake3m	2	
594113	S Fk Three Creeks above Three Creeks Res	314	June/August ODD YEAR 9	Lake3i	Lake3m	2	
591283	Deer Creek above Tibble Fork Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2	
591284	Silver Creek above Tibble Fork Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2	
590278	Stream above Tony Grove Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2	
494939	East Fork Sevier River above Tropic Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2	
494075	Rattlesnake Creek above Upper Enterprise Res	314	June/August ODD YEARS	Lake3i	Lake3m	2	
494076	Pine Creek above Upper Enterprise Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2	
499558	Spanish Fork River above Utah Lake	314	June/August ODD YEARS	Lake3i	Lake3m	2	
499610	Hobble Creek above Utah Lake	314	June/August ODD YEARS	Lake3i	Lake3m	2	
499654	Millrace Creek above Utah Lake	314	June/August ODD YEARS	Lake3i	Lake3m	2	
499669	Provo River above Utah Lake	314	June/August ODD YEARS	Lake3i	Lake3m	2	
499496	American Fork River above Utah Lake	314	June/August ODD YEARS	Lake3i	Lake3m	2	
590779	Stream from Beaver Lake ab Whitney Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2	
590780	West Fork of Bear River above Whitney Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2	
590781	Northwest Stream above Whitney Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2	
590689	West Stream above Woodruff Creek Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2	
590690	Woodruff Creek above Woodruff Creek Reservoir	314	June/August ODD YEARS	Lake3i	Lake3m	2	
493632	Strawberry Reservoir above Dam (T-14)	314	March/June/August	Lake1i	Lake1m	3	
493633	Strawberry Reservoir in Narrows (T-12)	314	March/June/August	Lake2i	Lake2m	3	
593676	Strawberry Reservoir at Indian Ck Bay (T-10)	314	March/June/August	Lake2i	Lake2m	3	
493643	Strawberry Reservoir in Strawberry Bay (T-5)	314	March/June/August	Lake2i	Lake2m	3	
493645	Strawberry Reservoir near old Dam site (T-8)	314	March/June/August	Lake2i	Lake2m	3	
493642	Strawberry Reservoir Bryants Fork (T-2)	314	March/June/August	Lake2i	Lake2m	3	
493855	Flaming Gorge Reservoir near Crystal Springs(01)	314	May through October	Lake1i	Lake1m	6	
493857	Flaming Gorge Reservoir near Hideout Canyon (02)	314	May through October	FGI	FGM	6	
493860	Flaming Gorge Reservoir near Antelope Flats (03)	314	May through October	FGI	FGM	6	
493862	Flaming Gorge Reservoir near Middle Marsh Cree	314	May through October	FGI	FGM	6	
493864	Flaming Gorge Reservoir below Big Bend (05)	314	May through October	FGI	FGM	6	
493866	Flaming Gorge Reservoir 0.5 mi up Green River A	314	May through October	FGI	FGM	6	
493868	Flaming Gorge Reservoir 0.5 mi up Blacks Fk Arr	314	May through October	FGI	FGM	6	
	Flaming Gorge TP Analysis at 7 sites	314	June through September	TP		12	
	Flaming Gorge CLS Analysis at 7 sites	314	June through September	CLA		12	
	PARAMETER		PARAMETER COST(1996)	Lake1i	FG	Lake2i	Lake3i
	Chlorophyll-a		x	x	x		
	Total Phosphorus		x	x	x	x	x

Table 3. Lake Monitoring

STORET	DESCRIPTION	314	Collection Frequency	Type Code	Unit Cost	No Yr	
	Total dissolved phosphorus		x	x	x	x	x
	Nitrate/Nitrite		x	x	x	x	x
	Ammonia		x	x	x	x	x
	Total Volatile solids		x	x	x	x	x
	Total Residual solids		x	x	x	x	x
	Total Suspended solids		x	x	x	x	x
	Total Alkalinity		x	x		x	x
	Total Hardness		x	x			
	Total dissolved solids		x	x			x
	Chloride		x	x			
	Sulfate		x	x			
	Turbidity		x	x			
	Calcium		x	x			
	Magnesium		x	x			
	Potassium		x	x			
	Sodium		x	x			
	Dissolved Arsenic		x		x		
	Dissolved Cadmium		x		x		
	Dissolved Copper		x		x		
	Dissolved Lead		x		x		
	Dissolved Mercury		x		x		
	Dissolved Selenium		x		x		
	Digested total Arsenic		x		x		
	Digested total Cadmium		x		x		
	Digested total Copper		x		x		
	Digested total Lead		x		x		
	Digested total Mercury		x		x		
	Digested total Selenium		x		x		
	TKN		x	x			

Table 4. Municipal and Industrial Monitoring For Compliance

STORET No.	Site Description	Cost Code	Suite of Parameters	Additional Parameters	No. of Surveys
1	496295 PERRY LAGOONS OUTFALL	357	BACT6, BOD-4	NH3	8
2	490120 BRIGHAM CITY WWTP OUTFALL	357	BACT6, BOD-4	NH3	8
3	490116 CORINNE LAGOON OUTFALL	357	BACT6, BOD-4	NH3	8
4	490203 BEAR R CITY LAGOON OUTFALL	357	BACT6, BOD-4	NH3	8
5	496077 MORTON 01 OUTFALL TO BLUE CK	357	BOD-4	O&G	8
6	496507 THIOKOL 01 WWTP OUTFALL	357	BACT6, 502.2.BOD	T-AL, T-A, COD, NH3, O&G	8
7	496078 THIOKOL O2 OUTFALL TO BLUE CK .4 MI S OF	357	BACT6, 502.2.BOD	T-AL, T-A, COD, NH3,TDS,ALK, O&G	8
8	490271 TREMONTON WWTP OUTFALL	357	BACT6, BOD-4	NH3	8
9	490292 NUCOR STEEL AT PLYMOUTH OUTFALL	357		TSS, TDS	8
10	490372 RICHMOND LAGOON OUTFALL	357	BACT6, BOD-4	NH3	8
11	490439 GOSSNER FOODS 001	357	BOD-4		8
12	490507 LOGAN LAGOON OUTFALL	357	BACT6, BOD-4	NH3	8
13	490535 SILICON PLASTICS OUTFALL	357		TSS , O&G	8
14	490560 WELLSVILLE LAGOON OUTFALL	357	BACT6, BOD-4	NH3	8
15	490561 NORTHERN UT MANUFACTURING OUTFALL TO SEWER	357	BACT6, BOD-4	NH3	8
16	490562 NORTHERN UT MANUFACTURING COOLING WATER	357	BOD-4	O&G	8
17	490554 E. A. MILLER CO. OUTFALL	357	BACT6, BOD-4	NH3,TDS	8
18	490552 HYRUM WWTP OUTFALL	357	BACT6, BOD-4	NH3	8
19	490571 TROUT OF PARADISE 01 OUTFALL	357		TSS	8
20	490568 TROUT OF PARADISE 02 OUTFALL	357		TSS	8
21	490048 MANTUA FH	357		TSS	8
22	493252 ANDALEX WILDCAT WASH SED POND 06	357		TSS, TDS, T-FE, O&G	2
23	493250 ANDALEX WILDCAT WASH SED POND 05	357		TSS, TDS, T-FE, O&G	2
24	493249 ANDALEX WILDCAT WASH SED POND 04	357		TSS, TDS, T-FE, O&G	2
25	493247 ANDALEX WILDCAT WASH SED POND 03	357		TSS, TDS, T-FE, O&G	2
26	493243 ANDALEX WILDCAT WASH SED POND 02	357		TSS, TDS, T-FE, O&G	2
27	493242 ANDALEX WILDCAT WASH SED POND 01	357		TSS, TDS, T-FE, O&G	2
28	493245 US FUELS HIAWATHA 001- MOHRLAND MINE	357		TSS, TDS, T-FE, O&G	8
29	493246 US FUELS HIAWATHA 002 -"TOWN TANK" OUTFALL	357		TSS, TDS, T-FE, O&G	8
30	493054 COOP MINE SED POND 006 DISCHARGE TO BEAR CK	357		TSS, TDS, T-FE, O&G	2
31	493055 COOP MINE SED POND 002 DISCHARGE TO BEAR CK	357		TSS, TDS, T-FE, O&G	2
32	493056 COOP MINE SED POND 003 DISCHARGE TO BEAR CK	357		TSS, TDS, T-FE, O&G	2
33	493057 COOP MINE WATER DISCHARGE 004 TO BEAR CK	357		TSS, TDS, T-FE, O&G	8
34	493064 COOP MINE SED POND 005	357		TSS, TDS, T-FE, O&G	2
35	493177 PLATEAU MINE OUTFALL 009	357		TSS, TDS, T-FE, O&G	2
36	493173 PLATEAU MINE SED POND OUTFALL 001	357		TSS, TDS, T-FE, O&G	2
37	493174 PLATEAU MINE SED POND OUTFALL 002	357		TSS, TDS, T-FE, O&G	2
38	493178 PLATEAU MINE SED POND OUTFALL 003	357		TSS, TDS, T-FE, O&G	2
39	493176 PLATEAU MINE SED POND OUTFALL 004	357		TSS, TDS, T-FE, O&G	2
40	493182 PLATEAU MINE SED POND OUTFALL 005	357		TSS, TDS, T-FE, O&G	2
41	493183 PLATEAU MINE SED POND OUTFALL 006	357		TSS, TDS, T-FE, O&G	2
42	493179 PLATEAU MINE SED POND OUTFALL 007	357		TSS, TDS, T-FE, O&G	2
43	493184 PLATEAU MINE SED POND OUTFALL 008	357		TSS, TDS, T-FE, O&G	2
44	493180 PLATEAU MINE SED POND OUTFALL 010	357		TSS, TDS, T-FE, O&G	2
45	493047 DEER CK MINE 001 SED POND OUTFALL	357		TSS, TDS, T-FE, O&G	8
46	493048 DEER CK MINE 002 OUTFALL	357		TSS, TDS, T-FE, O&G	8
47	493051 HUNTINGTON LAGOONS OUTFALL	357	BACT6	NH3, BOD5, TSS, TDS	8
48	493066 GENWAL COAL CO. CRANDALL CYN MIN	357		TSS, TDS, T-FE, O&G	8
49	493090 CASTLE DALE LAGOONS OUTFALL	357	BACT6	NH3, BOD5, TSS, TDS	8
50	493091 UP&L COAL PREP & BLENDING HUNTER 001	357		TSS, TDS, T-FE, O&G	8
51	493092 UP&L COAL PREP & BLENDING HUNTER 002	357		TSS, TDS, T-FE, O&G	8
52	493068 DES-BEE-DOVE COAL MINE 001	357		TSS, TDS, T-FE, O&G	8
53	493071 UP L WILBERG MINE WATER OUTFALL 001	357		TSS, TDS, T-FE, O&G	8
54	493073 WILBERG SURFACE POND DISCHARGE 003	357		TSS, TDS, T-FE, O&G	2
55	493074 UP&L WILBERG MINE 005 WASTE ROCK SED POND 5	357		TSS, TDS, T-FE, O&G	8
56	493097 UP&L WILBERG MINE MILLER CK OUTFALL 04	357		TSS, TDS, T-FE, O&G	8
57	493096 UP&L WILBERG MINE 002 SED POND TO COTTON 02	357		TSS, TDS, T-FE, O&G	2
58	493098 UP&L TRAIL MOUNTAIN MINE SED POND 001	357		TSS, TDS, T-FE, O&G	2
59	493099 UP&L TRAIL MOUNTAIN MINE OUTFALL 002	357		TSS, TDS, T-FE, O&G	8
60	493081 FERRON LAGOONS OUTFALL	357	BACT6	NH3, BOD5, TSS, TDS	8
61	495541 CONSOLIDATION COAL MINE 001 OUTFALL	357		TSS, TDS, T-FE, O&G	8
62	495539 CONSOLIDATED COAL 03 SED POND OUTFALL	357		TSS, TDS, T-FE, O&G	8
63	495538 CONSOLIDATED COAL 04 OUTFALL IRRIGATION	357		TSS, TDS, T-FE, O&G	8
64	495450 LOA FH OUTFALL	357		TSS, TDS	8
65	495510 ROAD CREEK TROUT FARM OUTFALL	357		TSS, TDS	8
66	495441 J P EGAN FH OUTFALL	357		TSS, TDS	8
67	495443 J P EGAN FH HATCHERY BLD OUTFALL	357		TSS, TDS	8
68	494875 DEANS FISH HATCHERY OUTFALL	357		TSS	8
69	494877 BURRVILLE FISH HATCHERY OUTFALL	357		TSS	8
70	494724 GLENWOOD FH OUTFALL	357		TSS	8
71	494723 TROPHY FH OUTFALL	357		TSS	8
72	499007 N DAVIS WWTP OUTFALL	357	BACT6	NH3,BOD5, TSS,	8
73	499027 CENTRAL DAVIS WWTP OUTFALL	357	BACT6	BOD5, TSS	8
74	499067 AIR PRODUCTS AND CHEMICAL OUTFALL	357		TSS , TDS	8
75	499078 S DAVIS N WWTP OUTFALL	357	BACT6	BOD5, TSS	8
76	499181 S DAVIS S WWTP OUTFALL	357	BACT6	NH3,BOD5, TSS, O&G	8
77	499125 SALT LAKE CITY WWTP OUTFALL	357	BACT6	NH3,BOD5, TSS, O&G	8

Table 4. Municipal and Industrial Monitoring For Compliance

STORET No.	Site Description	Cost Code	Suite of Parameters	Additional Parameters	No. of Surveys
78	499124 CONCRETE PRODUCTS CO OUTFALL	357		TSS, O&G	8
79	499121 CHEVRON OIL REFINERY OUTFALL 001	357	BOD-4, 625	CR+6, T-CR, COD, NH3, O&G, SULFIDE	8
80	499108 UNISYS OUTFALL 01	357		TSS, O&G	8
81	499114 UNISYS OUTFALL 02	357		TSS, O&G	8
82	499112 S.L.C. INTERNATIONAL AIRPORT 001	357	BOD-4, BTEX	NO2+, COD, O&G	8
83	499109 AIRPORT PARKING LOT OUTFALL SLCIA 002	357	BOD-2, BTEX	O&G	8
84	499117 S.L.C. INTERNATIONAL AIRPORT 003	357	BOD-3, EPG	NO2+, COD, O&G	8
85	499111 UPL GADSBY PLANT 004 005 006 COMBINATION	357		TSS, T-FE, O&G	8
86	499184 DELTA CENTER 001	357		TSS, T-PB	8
87	499198 ENVIROTECH 002 (FORMERLY BGA)	357		TSS, O&G	8
88	499250 CENTRAL VALLEY WWTP OUTFALL	357	BACT6	NH3, TSS, CBOD,AL,HG,TAG,TAL,THG	8
89	499294 RUBBER ENGINEERING OUTFALL	357	BOD-4	O&G	8
90	499147 VARIAN COMBINED OUTFALL 003	357		TSS, T-CU, T-ZN, O&G	8
91	499146 VARIAN OUTFALL 001 N SIDE OF FACILITY	357		TSS, T-CU, T-ZN, O&G	8
92	499234 WASATCH CHEMICAL OUTFALL	357	BOD-4, 625, 608		8
93	499164 MAGNA WWTP OUTFALL	357	BACT6	BOD5, TSS, O&G	8
94	499937 KENNECOTT COPPER CORP 004	357	SEE PERMIT		8
95	499158 KCC OUTFALL TO C-7 DITCH IN LARGE FL 02	357	SEE PERMIT		8
96	499939 KCC OUTFALL 008 ARTESIAN WELL	357	SEE PERMIT		8
97	499940 KCC OUTFALL 007 TOE DITCH TO C-7 DITCH	357	SEE PERMIT		8
98	499938 KCC OUTFALL 009 PINE CANYON TOOELE	357	SEE PERMIT		8
99	499943 KCC OUTFALL 011 RITTER CANAL	357	SEE PERMIT		8
100	499944 KCC OUTFALL 012 GSL	357	SEE PERMIT		8
101	499942 KCC OUTFALL 010 BUTTERFIELD	357	SEE PERMIT		8
102	499148 HEXCEL 001	357	BOD-4	TDS, T-AS, T-CD, T-CR, T-CU, T-PB, T-SE, T-B	8
103	499246 MOOG AIRCRAFT 001	357	624, 625,	TDS, TSS	8
104	496030 TOOELE WWTP OUTFALL	357	BACT6	NH3, BOD5, TSS	8
105	496024 GRANTSVILLE LAGOON OUTFALL	357	BACT6, BOD-4		8
106	496028 STANSBURY LAGOONS	357	BACT6, BOD-4		8
107	496091 CARGIL SALT 002 TRUCK WASH STATION NEAR TI	357		FIELD PARAMETERS ONLY	2
108	496090 CARGIL SALT 001 AT EVAPORATO	357		FIELD PARAMETERS ONLY	2
109	496110 MORTON SALT 01	357		FIELD PARAMETERS ONLY	8
110	499415 ARROW PACIFIC PLASTICS 01	357	524.2	TSS, O&G	8
111	499461 UTAH ROSES INC.	357		TSS, TDS	8
112	499416 SO VALLEY WWTP OUTFALL	357	BACT6	NH3, TSS, CBOD, BOD	8
113	496152 BARRICK MERCUR 001	357	SEE PERMIT		2
114	499478 BARRICK MERCUR 002	357	SEE PERMIT		2
115	499487 GENERAL REFACTORIES CO 01	357		FIELD PARAMETERS ONLY	8
116	499504 TIMPANOGOS WWTP OUTFALL	357	BACT6	NH3, BOD5, TSS, CBOD	8
117	499525 OREM WWTP OUTFALL	357	BACT4, BOD-4	NH3	8
118	499602 SPANISH FORK WWTP OUTFALL	357	BACT6 METAL7	NH3, BOD5, TSS	8
119	499541 PAYSON WWTP OUTFALL	357	BACT4, BOD-4	NH3	8
120	499548 PAYSON CITY POWER PLANT OUTFALL	357		TSS, TDS	8
121	499544 SALEM WWTP OUTFALL	357	BACT4, BOD-4	NH3, O&G	8
122	499557 ENSIGN BICKFORD 002	357		NO2+	8
123	499559 ENSIGN BICKFORD 001	357		NO2+	8
123	499622 SPRINGVILLE FH 001	357		TSS	8
124	499623 SPRINGVILLE FH 002	357		TSS	8
125	499624 SPRINGVILLE FH 003	357		TSS	8
126	499653 VALTECH INC. OUTFALL	357	MET-7	O&G	8
127	499628 SPRINGVILLE WWTP OUTFALL	357	BACT6, BOD-4	NH3, O&G, T-AG	8
128	499646 REILLY TAR AND CHEMICAL OUTFALL	357	BOD-4, 625		8
129	499643 PACIFIC STATES COOLING TOWER OUTFALL 001	357	BOD-4	T-CU, T-PB, T-ZN, O&G	8
130	499656 PROVO WWTP OUTFALL	357	BACT6, BOD-4	NH3	8
131	499515 GENEVA STEEL 004 WWTP OUTFALL	357	BACT6 BOD-3		8
132	499516 GENEVA STEEL 005 COKE PLANT BIOT	357	625	NH3	8
133	499520 US STEEL GENEVA STEEL OUTFALL	357		SEE PERMIT	8
134	492682 LUCAS WESTERN OUTFALL TO SEWER 01	357		SEE PERMIT	8
135	492683 LUCAS WESTERN 002	357		SEE PERMIT	8
136	499804 PARK CITY VENTURES MINE	552	MET-7, BACT6	NH3, TPO, NO2+, TSS, HAR, O&G	8
137	499713 MIDWAY FH COMP OF TWO OUTFALLS	552		NH3, TPO4, NO2+, BOD5, TSS	8
138	493447 DUCHESNE LAGOONS	357	BACT6	NH3, BOD5, TSS, TDS	8
139	493475 NEOLA LAGOON OUTFALL	357	BACT6	BOD5, TSS, TDS	8
140	493505 WHITE ROCKS FH OUTFALL	357		TSS, TDS	8
141	493357 LEXCO 001	357		TSS, TDS,	8
142	493388 AMERICAN GILSONITE WNW OF HEADQUATER OUTFALL	357		TSS, TDS,	8
143	493400 AMERICAN GILSONITE OUTFALL 021/004	357		TSS, TDS,	8
144	493391 AMERICAN GILSONITE 017	357		TSS, TDS,	8
145	493399 AMERICAN GILSONITE 007	357		TSS, TDS,	8
146	493396 AMERICAN GILSONITE 016	357		TSS, TDS,	8
147	493395 ZIEGLER CHEMICAL 003	357		TSS, TDS,	8
148	493788 INTERMOUNTAIN CONCRETE 002	357		TSS, TDS,	8
149	493789 INTERMOUNTAIN CONCRETE 001	357		TSS, TDS,	8
150	493732 V & W OIL (PRECISION)	357		BOD5, TSS, TDS, O&G	8
151	493735 COLT RESOURCES	357		BOD5, TSS, TDS, O&G	8
152	493734 UNITED UTILITIES 002	357		BOD5, TSS, TDS, O&G	8
153	493730 HOLLINGSWORTH AND TRAVIS COMPANY OUTFALL	357		BOD5, TSS, TDS, O&G	8

Table 4. Municipal and Industrial Monitoring For Compliance

	STORET No.	Site Description	Cost Code	Suite of Parameters	Additional Parameters	No. of Surveys
154	493733	UNITED UTILITIES 001	357		BOD5, TSS, TDS, O&G	8
155	493737	EQUITY OIL 001	357		BOD5, TSS, TDS, O&G	8
156	493738	VERNAL LAGOONS OUTFALL 002	357	BACT6	T-SE, T-B, NH3, BOD5, TSS, TDS	8
157	493754	VERNAL LAGOONS OUTFALL 003	357	BACT6	T-SE, T-B, NH3, BOD5, TSS, TDS	8
158	493795	JONES HOLE FH	357		TSS, TDS	8
159	493850	FLAMING GORGE WWTP OUTFALL	357	BACT6	NH3, BOD5, TSS, TDS	8
160	493298	LOADSTAR MINING MINE SEDIMENT POND OUTFALL 004	357		TSS, TDS, T-FE, O&G	8
161	493299	LOADSTAR MINING MINE OUTFALL 005	357		TSS, TDS, T-FE, O&G	8
162	493296	UTAH FUELS SKYLINE MINE SETTLING POND OUTFALL	357		TSS, TDS, T-FE, O&G	8
163	493327	UTAH FUELS SED POND 003	357		TSS, TDS, T-FE, O&G	2
164	493326	UTAH FUELS SED POND 002	357		TSS, TDS, T-FE, O&G	2
165	493297	AMAX CRANDALL CYN SED POND 014	357		TSS, TDS, T-FE, O&G	2
166	493300	AMAX CRANDALL CYN SED POND 015	357		TSS, TDS, T-FE, O&G	2
167	493277	UP L CARBON PLANT COOLING TOWER 001	357		TSS, TDS, T-FE, O&G	8
168	493276	UP L CARBON PLANT ASH POND 003	357		TSS, TDS, T-FE, T-SE, O&G	8
169	493334	CYPRUS WILLOW CK 001	357		TSS, TDS, T-FE, O&G	8
170	493335	CYPRUS WILLOW CK 002	357		TSS, TDS, T-FE, O&G	8
171	493336	CYPRUS WILLOW CK 003	357		TSS, TDS, T-FE, O&G	8
172	493164	LOADSTAR HORIZON 001	357		TSS, TDS, T-FE, O&G	8
173	493152	LOADSTAR HORIZON MINE WATER 002	357		TSS, TDS, T-FE, O&G	8
174	493290	AMAX PRICE R SED POND 012	357		TSS, TDS, T-FE, O&G	2
175	493292	AMAX PRICE R SED POND 020	357		TSS, TDS, T-FE, O&G	2
176	493293	AMAX PRICE R SED POND 013	357		TSS, TDS, T-FE, O&G	2
177	493295	AMAX PRICE R SED POND 011	357		TSS, TDS, T-FE, O&G	2
178	493289	AMAX HARDCRABBLE CYN SED POND 009	357		TSS, TDS, T-FE, O&G	2
179	493274	AMAX SOWBELLY GULCH SED POND 005	357		TSS, TDS, T-FE, O&G	2
180	493275	AMAX SOWBELLY GULCH SED POND 017	357		TSS, TDS, T-FE, O&G	2
181	493287	AMAX SOWBELLY GULCH SED POND 016	357		TSS, TDS, T-FE, O&G	2
182	493143	OLSEN/DURRANT REMEDIATION	357		TSS, T-PB	8
183	493142	GREEN RIVER CITY LAGOONS	357	BACT6	NH3, BOD5, TSS, TDS	8
184	495655	MOAB WWTP OUTFALL	357	BACT6	BOD5, TSS, TDS, O&G	8
185	493155	WEST RIDGE MINE WATER	357		TSS, TDS, T-FE, O&G	8
186	493154	WEST RIDGE MINE SED POND 001	357		TSS, TDS, T-FE, O&G	2
187	493158	CANYON FUEL CO DUGOUT CANYON MINE WATER	357		TSS, TDS, T-FE, O&G	8
188	493159	CANYON FUEL CO DUGOUT CANYON SED POND 002	357		TSS, TDS, T-FE, O&G	2
188	493199	SOLDIER CK COAL LOADOUT 001 (GROUNDWATER)	357		TSS, TDS, T-FE, O&G	8
189	493200	SOLDIER CK COAL LOADOUT 002 (SURFACE RUN)	357		TSS, TDS, T-FE, O&G	2
190	493191	HORSE CANYON MINE SED POND 001	357		TSS, TDS, T-FE, O&G	2
191	493192	HORSE CANYON MINE SED POND 002	357		TSS, TDS, T-FE, O&G	2
192	493205	SUNNYSIDE COGENERATION ASSOC 004	357		TSS, TDS, T-FE, O&G	8
193	493262	SUNNYSIDE COGENERATION 007 RAIL CUT POND	357		TSS, TDS, T-FE, O&G	8
194	493263	SUNNYSIDE COGENERATION 008 OLD COARSE REF. POND	357		TSS, TDS, T-FE, O&G	8
195	493264	SUNNYSIDE COGENERATION 009 PASTURE POND	357		TSS, TDS, T-FE, O&G	8
196	493265	SUNNYSIDE COGENERATION 012 COARSE REFUSE POND	357		TSS, TDS, T-FE, O&G	8
197	493266	SUNNYSIDE COGENERATION 013 FACILITY SED POND	357		TSS, TDS, T-FE, O&G	1
198	493267	SUNNYSIDE COGENERATION 014 COAL PILE SED POND	357		TSS, TDS, T-FE, O&G	1
199	493268	SUNNYSIDE COGENERATION 015 LANDFILL SED POND	357		TSS, TDS, T-FE, O&G	1
200	493269	SUNNYSIDE COGENERATION 016 BORROW AREA POND	357		TSS, TDS, T-FE, O&G	8
201	493231	ANDALEX DEADMAN CANYON SED POND 003	357		TSS, TDS, T-FE, O&G	2
202	493235	ANDALEX DEADMAN CANYON SED POND 001	357		TSS, TDS, T-FE, O&G	2
203	493236	ANDALEX DEADMAN CANYON MINE DISCHARGE 002	357		TSS, TDS, T-FE, O&G	8
204	493236	ANDALEX L FK DEADMAN CANYON MINE DISCHARGE 004	357		TSS, TDS, T-FE, O&G	8
205	493257	CASTLE VALLEY RESOURCES PIPELINE POND 003	357		TSS, TDS, T-FE, O&G	2
206	493258	CASTLE VALLEY RESOURCES DRYER POND 004	357		TSS, TDS, T-FE, O&G	2
207	493259	CASTLE VALLEY RESOURCES LOWER TRACK POND 005	357		TSS, TDS, T-FE, O&G	2
208	493260	CASTLE VALLEY RESOURCES UPPER TRACK POND 006	357		TSS, TDS, T-FE, O&G	2
209	493271	CASTLE VALLEY RESOURCES TRACK HOPPER POND 007	357		TSS, TDS, T-FE, O&G	2
210	493272	CASTLE VALLEY RESOURCES TOP SOIL PILE POND 008	357		TSS, TDS, T-FE, O&G	2
211	493237	PRICE WWTP OUTFALL	357	BACT6	NH3, BOD5, TSS, TDS	8
212	499533	NEPHI RUBBER PRODUCTS 001	357		TSS, O&G	8
213	494086	AMERICAN AZIDE 001	357		TSS, TDS	8
214	494085	WECCO 001	357		TSS, TDS	8
215	495006	ST. GEORGE WWTP OUTFALL	357	BACT6	NH3, BOD5, TSS, TDS, O&G, T-AG	8
216	495088	SPRINGDALE LAGOONS	357	BACT6	NH3, BOD5, TSS, TDS,	8
217	494975	MAMMOTH CK FH	357		TSS	8
218	494715	SALINA WWTP	357	BACT6	NH3, BOD5, TSS,	8
219	494661	SPRING CITY LAGOONS	357	BACT6	NH3, BOD5, TSS,	8
220	494697	MORONI WWTP OUTFALL	357	BACT6, BOD-4	NH3, O&G	8
221	494690	FOUNTAIN GREEN FH	357		TSS	8
222	494689	FOUNTAIN GREEN FH	357		TSS	8
223	492020	FARMERS GRAIN COOPERATIVE 001	357	BOD-4, 502.2		8
224	496281	GREAT SALT LAKE MINERALS OUTFALL 01	357	BOD-3	O&G	8
225	492003	PLAIN CITY LAGOON OUTFALL	357	BACT6, BOD-4		8
226	492011	CENTRAL WEBER WWTP OUTFALL	357	BACT6	NH3, BOD5, TSS	8
227	492055	COLD SPRINGS FH 001	357		TSS	8
228	492056	COLD SPRINGS FH 002	357		TSS	8
229	492101	MOUNTAIN GREEN LAGOON OUTFALL	357	BACT6	NH3, BOD5, TSS	8

Table 4. Municipal and Industrial Monitoring For Compliance

	STORET No.	Site Description	Cost Code	Suite of Parameters	Additional Parameters	No. of Surveys
230	492553	MORGAN LAGOON OUTFALL	357	BACT6	NH3, BOD5, TSS	8
231	492601	HENEFER LAGOONS OUTFALL	357	BACT6	BOD5, TSS	8
232	492632	COALVILLE WWTP OUTFALL	357	BACT6,BOD-4	NH3	8
233	492802	OAKLEY LAGOON OUTFALL	357	BACT6	NH3, BOD5, TSS	8
234	492850	KAMAS LAGOON OUTFALL	357	BACT6	NH3, BOD5, TSS	8
235	492900	KAMAS FISH HATCHERY OUTFALL	552	NUT9	BOD5, TSS, T.ALK, T.HARD	8
236	492682	LUCAS WESTERN EFFLUENT TO SEWER	357	624, 625, CYANIDE	TSS, THARD, T-CD,CR,CU,PB,NI,AG,ZN	8
237	492683	LUCAS WESTERN EFFLUENT 002	357	624, 625, CYANIDE	TSS, THARD, T-CD,CR,CU,PB,NI,AG,ZN	8
238	492679	SILVER CREEK WWTP OUTFALL	357	BACT6	NH3, BOD5, TSS, CBOD	8
239	492525	EAST CANYON WWTP OUTFALL	357	BACT6, NUT-9	BOD5, TSS, CBO	8
240	496155	WENDOVER LAGOON OUTFALL	357	BACT6BOD-4	O&G	2
241	499009	FREEMONT DRAIN SOUTH OF 3689 WEST GENTILE	357	CHEM2, MET3(4X)	NH3, T-P, D-NO2+, D-TP	8
242	491484	HILL AIRFORCE STORE DRAIN TO KAYS CREEK	357	CHEM2, MET3(4X)	NH3, T-P, D-NO2+, D-TP	8

Table 5. Total Maximum Daily Load Analysis

No.	STORET No.	Site Description	Cost Code	Suite of Parameters	Additional Parameters	No. of Surveys
1	490118	BOX ELDER CK BL BRIGHAM CY WWTP @ FOREST	354	BOD-4	NH3	4
2	490119	BOX ELDER CK AB BRIGHAM CITY WWTP	354	BOD-4	NH3	4
3	490200	MALAD R S OF BEAR R CITY	354	BOD-4	NH3	4
4	490204	MALAD R AB BEAR R CITY LAGOONS	354	BOD-4	NH3	4
5	496076	BLUE CK AT CR504 XING E OF GOLDEN SPIKE	354	BOD-4	D-AL NH3 TDS	4
6	496074	BLUE CK AB MORTON-THIOKOL AT U83 XING	354	BOD-4	D-AL NH3 TDS	4
7	490272	MALAD R AB TREMONTON WWTP	354	BOD-4	NH3	4
8	490501	LITTLE BEAR R @ CR XING E OF ISLAND W OF PELICAN POND	354	BOD-4	NH3	4
9	490503	LITTLE BEAR R @ CR XING W OF ISLAND W OF PELICAN POND	354	BOD-4	NH3	4
10	490588	LITTLE BEAR R AB WELLSVILLE LAGOONS	354	BOD-4	NH3	4
11	493721	ASHLEY CK AB GREEN RIVER	354	BOD-4	OIL&GREASE	4
12	493744	ASHLEY CK AB VERNAL LAGOONS	354	BOD-4	NH3, TSE,TB	4
13	493743	ASHLEY CK N OF US 40 AT CR XING	354	BOD-4	NH3, TSE, TB	4
14	493052	HUNTINGTON CK AB HUNTINGTON LAGOONS OUTF	354	BOD-4	NH3	4
15	493050	HUNTINGTON CK BL HUNTINGTON LAGOONS OUTF	354	BOD-4	NH3	4
16	493088	COTTONWOOD CK BL CASTLEDALE LAGOONS EFFL	354	BOD-4	NH3	4
17	493093	COTTONWOOD CK AT U10 XING IN CASTLE DALE	354	BOD-4	NH3	4
18	493080	FERRON CK BL FERRON LAGOONS	354	BOD-4	NH3	4
19	493082	FERRON CK AB FERRON LAGOONS	354	BOD-4	NH3	4
20	499088	JORDAN R @ NEWSTATE RD XING (BELOW SOUTH DAVIS NORTH)	354	BOD-3		4
21	499182	JORDAN R AT CUDAHAY LANE (ABOVE SOUTH DAVIS SOUTH)	354	BOD-3		4
22	499079	STATE CNL 20 FT AB S DAVIS N WWTP (ABOVE SOUTH DAVIS NORTH)	354	BOD4, METALS3	NH3, HARDNESS	4
23	499105	SEWAGE CNL AT CUDAHY LANE XING	354	BOD4, METALS3	NH3, HARDNESS	4
24	499128	SEWAGE CNL AB SLC WWTP	354	BOD4, METALS3	NH3, HARDNESS	4
25	499123	SEWAGE CNL AB CHEVRON OIL	354	BOD4, METALS3	NH3, HARDNESS	4
26	499116	CITY DRAIN AT 2200 W NORTH TEMPLE (AIRPO	354	BOD-4		4
27	499165	KERSEY CK AB MAGNA WWTP	354	BOD4, METALS3	NH3, HARDNESS	4
28	499156	C-7 DITCH AT 8000 WEST	354	METALS3	TSS,TDS,HARDNESS	4
29	499159	C-7 DITCH AB CNFL/ KERSEY CK	354	METALS3	TSS,TDS,HARDNESS	4
30	499445	BUTTERFIELD CYN CK AB KCC DISCHARGE 010	354	METALS3	TSS,TDS,HARDNESS	4
31	499444	BUTTERFIELD CYN CK AT MOUTH	354	METALS3	TSS,TDS,HARDNESS	4
32	499232	JORDAN R @ 1100W 2100S	354	BOD4, METALS3	NH3, HARDNESS	4
33	499288	JORDAN R @ 3300S XING	354	BOD4, METALS3	NH3, HARDNESS	4
34	499409	JORDAN R BL 6400S @I-215 XING	354	BOD4, METALS3	NH3, HARDNESS	4
35	499417	JORDAN R AT 7800 S AB S VALLEY WWTP	354	BOD4, METALS3	NH3, HARDNESS	4
36	499603	DRY CK AB SPANISH FK WWTP	354	BOD4, METALS3	NH3, HARDNESS	4
37	499600	DRY CK @ CR 77 XING AB UTAH LAKE	354	BOD4, METALS3	NH3, HARDNESS	4
38	591984	BEER CK @ 8400 SOUTH (BELOW PAYSON)	354	BOD-4	NH3	4
39	499542	BEER CK @ U115 (ABOVE PAYSON)	354	BOD-4	NH3	4
40	591982	BEER CK AT ARROWHEAD ROAD (BL SALEM WWTP)	354	BOD-4	NH3	4
41	499546	BEER CK AT ARROWHEAD ROAD AB SALEM WWTP (BELOW SALEM)	354	BOD-4	NH3	4
42	499629	SPRING CK AB SPRINGVILLE WWTP	354	BOD-4	NH3	4
43	499648	IRONTON CNL BL BOTH HATCHERIES	354	FIELD READINGS		4

	D-Silver				
	D-Zinc				
	D-Calcium				
	D-Magnesium				
	D-Potassium				
	D-Sodium				
	METALS WTUs				
CHEM2	CHEM2				
	Bicarbonate				
	Carbonate				
	Carbonate Solids				
	Carbon Dioxide				
	Chemical Balance				
	Chloride				
	Hydroxide				
	pH				
	Specific Conductance				
	Sulfate				
	Total Alkalinity				
	Total Dissolved Solids				
	Total Hardness				
	Total Suspended Solids				
	Turbidity				
	Inorganic WTUs				
NUT9	NUT9				
	T.PHOSPHORUS				
	NO2+NO3 DISS				
	AMMONIA AS N DISS				
	DIS. TOT. PHOS				
	T.K.N.				
	TP04,NH3,DNO2N03,D-TPHOS				
	NUTRIENT TYPE 9				
	PHENOLICS				
NUT4	NUT4				
	AMMONIA AS N DISS				
	T.PHOSPHORUS				
	NO2+NO3 DISS				
	NUTRIENT TYPE 4				
MET2	MET2				
	T-ARSENIC				
	T-BARIUM				
	T-CADMIUM				
	T-CHROMIUM				
	T-COPPER				

		T-IRON				
		T-LEAD				
		T-MANGANESE				
		T-MERCURY				
		T-NICKEL				
		T-SELENIUM				
		T-SILVER				
		T-ZINC				
		METALS TYPE 2				

Table 6. Nonpoint Source Monitoring

Table 6. Nonpoint Source Monitoring								
No.	PROJECT	STORET No.	Site Description	Source Code	Sample Type	Suite of Parameters	Additional Parameters	Samples per Year
1	319	495500	LITTLE BEAR RIVER AT CR376 XING(MENDON	03	04		TSS NH3 T.Phos. NO23 D-TP	8
2	319	490563	LITTLE BEAR RIVER AT U101 XING(WELLSVILLE)	03	04		TSS NH3 T. Phos. NO23 D-TP	8
3	319	490570	LITTLE BEAR RIVER AT AVON	03	04		TSS NH3 T. Phos. NO23 D-TP	8
4	319	490490	SPRING CREEK AT CR 376 XING MENDON RD	03	04		TSS NH3 T. Phos. NO23 D-TP	8
5	319	490499	SPRING CREEK 1 1/3 MI N OF COLLEGE WARD	03	04		TSS NH3 T. Phos. NO23 D-TP	8
6	319	490492	SOUTH FORK SPRING CREEK W OF PELICAN	03	04		TSS NH3 T. Phos. NO23 D-TP	8
7	319	490494	SOUTH FORK SPRING CK AT US 89 XING	03	04		TSS NH3 T. Phos. NO23 D-TP	8
8	319	490385	HYRUM SLOUGH AT ISLAND RD XING	03	04		TSS NH3 T. Phos. NO23 D-TP	8
9	319	490487	HYRUM SLOUGH AT NIBLEY RD XING	03	04		TSS NH3 T. Phos. NO23 D-TP	8
10	319	490394	SLOUGH DISCHARGE BL JENSEN DAIRY	03	04		TSS NH3 T. Phos. NO23 D-TP	8
11	319	490498	WHITES COLLEGE WARD FH OUTFALL	03	04		TSS NH3 T. Phos. NO23 D-TP	8
12	319	490556	DITCH N OF TRI MILLER	03	04		TSS NH3 T. Phos. NO23 D-TP	8
13	319	490557	DITCH NW OF TRI MILLER FEEDLOT	03	04		TSS NH3 T. Phos. NO23 D-TP	8
14	319	490391	BLACKSMITH/HYRUM CANAL AB NIELSEN DAIRY	03	04		TSS NH3 T. Phos. NO23 D-TP	8
15	319	490392	BLACKSMITH/HYRUM CANAL BL NIELSEN DAIRY	03	04		TSS NH3 T. Phos. NO23 D-TP	8
16	319	490393	BLACKSMITH/HYRUMCANALBL PETERSON DAIR	03	04		TSS NH3 T. Phos. NO23 D-TP	8
17	319	492635	CHALK CREEK AT US-189 XING	03	04		TSS NH3 T. Phos. NO23 D-TP	8
18	319	492636	CHALK CK S FK 1 MI AB CHALK CK	03	04		TSS NH3 T. Phos. NO23 D-TP	8
19	319	492637	EAST FORK CHALK CREEK AB CNFL/CHALK CK	03	04		TSS NH3 T. Phos. NO23 D-TP	8
20	319	494887	OTTER CREEK 1 MI N OF ANGLE	03	04		TSS NH3 T. Phos. NO23 D-TP	8
21	319	494894	OTTER CREEK AT NARROWS	03	04		TSS NH3 T. Phos. NO23 D-TP	8
22	319	494905	OTTER CREEK AT U62 XING N OF KOOSHAREM	03	04		TSS NH3 T. Phos. NO23 D-TP	8
23	319	594010	BEAVER RIVER BL MINERSVILLE RES	03	04		TSS NH3 T. Phos. NO23 D-TP	8
24	319	594016	BEAVER RIVER AB MINERSVILLE RES	03	04		TSS NH3 T. Phos. NO23 D-TP	8
25	319	594021	BEAVER RIVER AT U-21 XING	03	04		TSS NH3 T. Phos. NO23 D-TP	8
26	319	594022	CANAL AT U-21 XING	03	04		TSS NH3 T. Phos. NO23 D-TP	8
27	319	594023	BEAVER RIVER AB CNFL/ DRY CREEK	03	04		TSS NH3 T. Phos. NO23 D-TP	8
28	319	594026	DEVIL CREEK AT RD XING S OF GREENVILLE	03	04		TSS NH3 T. Phos. NO23 D-TP	8
29	319	594027	DRY CREEK AB CNFL/BEAVER R	03	04		TSS NH3 T. Phos. NO23 D-TP	8
30	319	594029	N CREEK AB CNFL/BEAVER R	03	04		TSS NH3 T. Phos. NO23 D-TP	8
31	319	594033	BEAVER RIVER AB CNFL/ SOUTH CK	03	04		TSS NH3 T. Phos. NO23 D-TP	8
32	319	594036	S CREEK AB CNFL/BEAVER R	03	04		TSS NH3 T. Phos. NO23 D-TP	8
33	319	594042	S CREEK AB CNFL/BIG TWIST CREEK	03	04		TSS NH3 T. Phos. NO23 D-TP	8
34	319	594056	BEAVER RIVER AT US-91 XING	03	04		TSS NH3 T. Phos. NO23 D-TP	8
35	319	594044	BEAVER RIVER AT USFS BOUDARY	03	04		TSS NH3 T. Phos. NO23 D-TP	8
36	319	594065	NORTH CREEK AB DON ROBERTS DAIRY	03	04		TSS NH3 T. Phos. NO23 D-TP	8
37	319	594066	NORTH CREEK BL DON ROBERTS DAIRY	03	04		TSS NH3 T. Phos. NO23 D-TP	8
38	319	490850	BEAR R E OF WOODRUFF	03	04		TSS NH3 T. Phos. NO23 D-TP	8
39	319		to be located on bear river	03	04		TSS NH3 T. Phos. NO23 D-TP	8
		NH3	Ammonia					
		D-NO2+	Dissolved Nitrite&Nitrate					
		T-PH	Total Phosphorus					
			Total Dissolved Phosphorus					
		TSS	Total Suspended Solids					

Table 7. Groundwater Monitoring

No.	Site Description	Permit Writer	Cost Code	Suite of Parameters	Additional Parameters	No. of Wells	No. of Surveys
1	BARRICK Area #3 mw-13	KE	352	CHEM2, MET3	CN &CNCL-, NO2+NO3	1	1
2	BARRICK Area #3 mw-19	KE	352	CHEM2, MET3	CN &CNCL-, NO2+NO3	1	1
3	BARRICK Tailings mw-17	KE	352	CHEM2, MET3	CN &CNCL-, NO2+NO3	1	1
4	BARRICK Tailings tmw-2	KE	352	CHEM2, MET3	CN &CNCL-, NO2+NO3	1	1
5	USMX CYANIDE LEACH MW-2	LM	352	CHEM2, MET3	CN, CNCL-, NO2+NO3	1	1
6	USMX CYANIDE LEACH MW-4	LM	352	CHEM2, MET3	CN, CNCL-, NO2+NO3	1	1
7	USMX CYANIDE LEACH MW-4A	LM	352	CHEM2, MET3	CN, CNCL-, NO2+NO3	1	1
8	USMX CYANIDE LEACH MW-7	LM	352	CHEM2, MET3	CN, CNCL-, NO2+NO3	1	1
9	USMX LAND APPLICATION SUMP	LM	352	CHEM2, MET3	CN, CNCL-, NO2+NO3	1	1
10	NEVADA STAR OK MINE MW-1	MN	352	CHEM2, MET3	NO2+NO3	1	1
11	NEVADA STAR OK MINE MW-2	MN	352	CHEM2, MET3	NO2+NO3	1	1
12	SUMMO LISBAN VALLEY mw96-7a	KE	352	CHEM2, MET3	NO2+NO3, DISS: alpha, beta, ra226,ra228, U, Sb,Be,Ni,Tl,V,F	1	1
13	SUMMO LISBAN VALLEY mw96-7b	KE	352	CHEM2, MET3	NO2+NO3, DISS: alpha, beta, ra226,ra228, U, Sb,Be,Ni,Tl,V,F	1	1
14	SUMMO LISBAN VALLEY mw97-01	KE	352	CHEM2, MET3	NO2+NO3, DISS: alpha, beta, ra226,ra228, U, Sb,Be,Ni,Tl,V,F	1	1
15	CHEVRON PIPE LINE MILE POST 6 MW-4	EH	352	BTEX		1	1
16	CHEVRON PIPE LINE MILE POST 6 MW-5	EH	352	BTEX		1	1
17	NORTH LILY CYANIDE LEACH MW-1	BW	352	CHEM2, MET3	CN, CNCL-, NO2+NO3	1	1
18	NORTH LILY CYANIDE LEACH PAD RUNOFF	BW	352	CHEM2, MET3	CN, CNCL-, NO2+NO3	1	1
19	SL INTL AIRPORT WASTE WATER POND MW-3	KE	352	CHEM2	ETHYLENE&PROPYLENE GLYCOL	1	1
20	SL INTL AIRPORT WASTE WATER POND MW-4	KE	352	CHEM2	ETHYLENE&PROPYLENE GLYCOL	1	1
21	MAYFLOWER TAILINGS CM-12	KE	352	CHEM2, MET3	CN, CNCL-, NO2+NO3	1	1
22	MAYFLOWER TAILINGS SD-9	KE	352	CHEM2, MET3	CN, CNCL-, NO2+NO3	1	1
23	MOAB SALT INJECTION WELL Environmental Reclaim Bri	JJ	352	CHEM2, MET2	H+Ni	1	1
24	MOAB SALT INJECTION WELL Tailings Lake Brine	JJ	352	CHEM2, MET2	H+Ni	1	1
25	ENVIRO-TEK	JJ	352	624, 625, TCLP	Sp Gravity, TDS, TOC, IGNITABILITY	1	12
26	JORDAN VALLEY WATER CONSERVANCY DISTRICT I-1	JJ	352	624, 625,CHEM2,MET3	SEE PERMIT	1	1
27	JORDAN VALLEY WATER CONSERVANCY DISTRICT I-2	JJ	352	624, 625,CHEM2,MET3	SEE PERMIT	1	1
27	KENNECOTT COPPER SMALL RES reservoir	DH	352	CHEM2, MET3		1	1
28	KENNECOTT COPPER SMALL RES Leak Detection	DH	352	CHEM2, MET3		1	1
29	KENNECOTT COPPER SMALL RES SRG946	DH	352	CHEM2, MET3		1	1
30	KENNECOTT BLUE WATER BRG900	DH	352	CHEM2, MET3		1	1
31	KENNECOTT BLUE WATER BRG909	DH	352	CHEM2, MET3		1	1
32	KENNECOTT BLUE WATER 1 north sump	DH	352	CHEM2, MET3		1	1
33	KENNECOTT BLUE WATER 1 north main	DH	352	CHEM2, MET3		1	1
34	KENNECOTT COPPERTON LARGE RES B1g951	DH	352	CHEM2, MET3		1	1
35	KENNECOTT COPPERTON LARGE RES 1rg911	DH	352	CHEM2, MET3		1	1
36	KENNECOTT COPPERTON LARGE RES 1rg912	DH	352	CHEM2, MET3		1	1
37	KENNECOTT COPPER LEACH COPPERTON ECG1191	DH	352	CHEM2, MET3		1	1
38	KENNECOTT COPPER LEACH COPPERTON ECG1186	DH	352	CHEM2, MET3		1	1
39	KENNECOTT COPPER LEACH COPPERTON ECG1187	DH	352	CHEM2, MET3		1	1
40	KENNECOTT COPPER LEACH COPPERTON ECG1190	DH	352	CHEM2, MET3		1	1

Table 7. Groundwater Monitoring

No.	Site Description	Permit Writer	Cost Code	Suite of Parameters	Additional Parameters	No. of Wells	No. of Surveys
41	KENNECOTT COPPER LEACH COPPERTON ECG937	DH	352	CHEM2, MET3		1	1
42	KENNECOTT SMELTER MAGNA NES715A	EH	352	CHEM2, MET3		1	1
43	KENNECOTT SMELTER MAGNA NES695A	EH	352	CHEM2, MET3		1	1
44	KENNECOTT TAILINGS TLP1436 (SURFACE)	EH	352	CHEM2, MET3		1	1
45	KENNECOTT TAILINGS TLT2452	EH	352	CHEM2, MET3		1	1
46	KENNECOTT TAILINGS TLS1426 (SURFACE)	EH	352	CHEM2, MET3		1	1
47	KENNECOTT NO. CON. MAGNA NEM652A	EH	352	CHEM2, MET3		1	1
48	KENNECOTT NO. CON. MAGNA ADS2560 (SURFACE)	EH	352	CHEM2, MET3		1	1
49	OLSEN NEIHART TAILINGS MW-1A	KE	352	CHEM2, MET3	NO2+NO3	1	1
50	OLSEN NEIHART TAILINGS MW-2E	KE	352	CHEM2, MET3	NO2+NO3	1	1
51	SANTAQUIN LAGOONS EFFLUENT TO LAND	KE	352	CHEM2, NUT2		1	1
52	TROJAN POWDER POWDER PLANT Mapleton #1	KE	352	CHEM2	NO2+NO3, RDX(SENT TO DATACHEM)	1	1
53	TROJAN POWDER POWDER PLANT Mapleton #2	KE	352	CHEM2	NO2+NO3, RDX(SENT TO DATACHEM)	1	1
54	TROJAN POWDER POWDER PLANT Mapleton #3	KE	352	CHEM2	NO2+NO3, RDX(SENT TO DATACHEM)	1	1
55	TROJAN POWDER POWDER PLANT MW-3D	KE	352	CHEM2	NO2+NO3, RDX(SENT TO DATACHEM)	1	1
56	BRUSH WELLMAN DH14	LM	352	CHEM2, MET3	diss-Alpha, beta, Ra226, Ra228, U	1	1
57	BRUSH WELLMAN MW31	LM	352	CHEM2, MET3	diss-Alpha, beta, Ra226, Ra228, U	1	1
58	BRUSH WELLMAN DH30	LM	352	CHEM2, MET3	diss-Alpha, beta, Ra226, Ra228, U	1	1
59	BRUSH WELLMAN DH31	LM	352	CHEM2, MET3	diss-Alpha, beta, Ra226, Ra228, U	1	1
60	BRUSH WELLMAN DH32	LM	352	CHEM2, MET3	diss-Alpha, beta, Ra226, Ra228, U	1	1
61	BRUSH WELLMAN BACKGROUND STOCK WELL	LM	352	CHEM2, MET3	diss-Alpha, beta, Ra226, Ra228, U	1	1
62	BARNEY CANYON CYANIDE LEACH BC848	MN	352	CHEM2, MET3	CN, CNCL-, NO2+NO3	1	1
63	BARNEY CANYON CYANIDE LEACH BC283	MN	352	CHEM2, MET3	CN, CNCL-, NO2+NO3	1	1
64	BARNEY CANYON CYANIDE LEACH BC284	MN	352	CHEM2, MET3	CN, CNCL-, NO2+NO3	1	1
65	BARNEY CANYON CYANIDE LEACH BC496	MN	352	CHEM2, MET3	CN, CNCL-, NO2+NO3	1	1
66	SF PHOSPHATES GW-1	MN	352	CHEM2	Alpha, Beta, Diss-T-Phos	1	1
67	SF PHOSPHATES GW-2	MN	352	CHEM2	Alpha, Beta, Diss-T-Phos	1	1
68	SF PHOSPHATES GW-3	MN	352	CHEM2	Alpha, Beta, Diss-T-Phos	1	1
69	SF PHOSPHATES GW-4	MN	352	CHEM2	Alpha, Beta, Diss-T-Phos	1	1
70	SF PHOSPHATES CO-1	MN	352	CHEM2	Alpha, Beta, Diss-T-Phos	1	1
71	SF PHOSPHATES CO-2	MN	352	CHEM2	Alpha, Beta, Diss-T-Phos	1	1
72	SF PHOSPHATES CO-3	MN	352	CHEM2	Alpha, Beta, Diss-T-Phos	1	1
73	SF PHOSPHATES CO-4	MN	352	CHEM2	Alpha, Beta, Diss-T-Phos	1	1
74	SF PHOSPHATES CO-5	MN	352	CHEM2	Alpha, Beta, Diss-T-Phos	1	1
75	SF PHOSPHATES CO-6	MN	352	CHEM2	Alpha, Beta, Diss-T-Phos	1	1
76	SF PHOSPHATES GE-1	MN	352	CHEM2	Alpha, Beta, Diss-T-Phos	1	1
77	SF PHOSPHATES GE-2	MN	352	CHEM2	Alpha, Beta, Diss-T-Phos	1	1
78	SF PHOSPHATES GE-3	MN	352	CHEM2	Alpha, Beta, Diss-T-Phos	1	1
79	SF PHOSPHATES GE-4	MN	352	CHEM2	Alpha, Beta, Diss-T-Phos	1	1
80	SF PHOSPHATES GE-5	MN	352	CHEM2	Alpha, Beta, Diss-T-Phos	1	1
81	SF PHOSPHATES GE-6	MN	352	CHEM2	Alpha, Beta, Diss-T-Phos	1	1
82	SF PHOSPHATES BRUSH CK AB PLANT 493793	MN	352		Alpha, Beta, T-Phos, TDS, T-FE	1	1
83	SF PHOSPHATES BRUSH CK AT U191 XING 493786	MN	352		Alpha, Beta, T-Phos, TDS, T-FE	1	1
84	EAST CARBON LANDFILL WELL C	UK	352	CHEM2, MET3, NUT2	502.2, 531.0, 525.2, 515.1	1	1

Table 7. Groundwater Monitoring

No.	Site Description	Permit Writer	Cost Code	Suite of Parameters	Additional Parameters	No. of Wells	No. of Surveys
85	EAST CARBON LANDFILL WELL D	UK	352	CHEM2, MET3, NUT2	502.2, 531.0, 525.2, 515.1	1	1
86	EAST CARBON LANDFILL CELL 7 SOUTHSIDE WELL	UK	352	CHEM2, MET3, NUT2	502.2, 531.0, 525.2, 515.1	1	1
87	EAST CARBON LANDFILL CELL 7 SW CORNER WELL	UK	352	CHEM2, MET3, NUT2	502.2, 531.0, 525.2, 515.1	1	1
88	MANILA LAGOON NE WELL	MC	352		NO3	1	1
89	MANILA LAGOON SE WELL	MC	352		NO3	1	1
90	MANILA LAGOON UPRADIANT WELL	MC	352		NO3	1	1
91	PLATACLAY LEACH	MC	352	CHEM2, MET3	T-HG, D-HG	1	1
92	CENTERFIELD LAGOON SYSTEM MW-3	MC	352		TDS, SO4, N03-NO2	1	1
93	AMERICAN AZIDE CEDAR CITY EXPOSIVE PLANT	BW	352	CHEM2, MET3	T-HG, D-HG, NO3	1	1
94	CRYSTAL ANIMAL PRODUCTS WW POND	BW	352		TDS	1	1
95	SUNNYSIDE COGENERATION CARBON COUNTY MW-1	KE	352	CHEM2, MET3		1	1
96	SUNNYSIDE COGENERATION CARBON COUNTY MW-2	KE	352	CHEM2, MET3		1	1
97	SUNNYSIDE COGENERATION CARBON COUNTY MW-3	KE	352	CHEM2, MET3		1	1
98	SUNNYSIDE COGENERATION CARBON COUNTY MW-4	KE	352	CHEM2, MET3		1	1
99	Circle Four PIG FARM 41201mu	BW	352	CHEM2, NUT4		1	1
100	Circle Four PIG FARM 41201md	BW	352	CHEM2, NUT4		1	1
101	Circle Four PIG FARM 41201md2	BW	352	CHEM2, NUT4		1	1
102	Circle Four PIG FARM 41101mu	BW	352	CHEM2, NUT4		1	1
103	Circle Four PIG FARM 41101md	BW	352	CHEM2, NUT4		1	1
104	Circle Four PIG FARM 41101md2	BW	352	CHEM2, NUT4		1	1
105	Circle Four PIG FARM 41101md3	BW	352	CHEM2, NUT4		1	1
106	Circle Four PIG FARM 41101md4	BW	352	CHEM2, NUT4		1	1
107	Circle Four PIG FARM 41301mu	BW	352	CHEM2, NUT4		1	1
108	Circle Four PIG FARM 41301md	BW	352	CHEM2, NUT4		1	1
109	Circle Four PIG FARM 41102mu	BW	352	CHEM2, NUT4		1	1
110	Circle Four PIG FARM 41102md	BW	352	CHEM2, NUT4		1	1
111	Circle Four PIG FARM 41103mu	BW	352	CHEM2, NUT4		1	1
112	Circle Four PIG FARM 41103md	BW	352	CHEM2, NUT4		1	1
113	Circle Four PIG FARM 41103md2	BW	352	CHEM2, NUT4		1	1
114	Circle Four PIG FARM 41302mu	BW	352	CHEM2, NUT4		1	1
115	Circle Four PIG FARM 41302md	BW	352	CHEM2, NUT4		1	1
116	Circle Four PIG FARM 41305mu	BW	352	CHEM2, NUT4		1	1
117	Circle Four PIG FARM 41305md	BW	352	CHEM2, NUT4		1	1
118	Circle Four PIG FARM 41303mu	BW	352	CHEM2, NUT4		1	1
119	Circle Four PIG FARM 41303md	BW	352	CHEM2, NUT4		1	1
120	Circle Four PIG FARM 41304mu	BW	352	CHEM2, NUT4		1	1
121	Circle Four PIG FARM 41304md	BW	352	CHEM2, NUT4		1	1
122	Circle Four PIG FARM 41304md2	BW	352	CHEM2, NUT4		1	1
123	Circle Four PIG FARM 41304md3	BW	352	CHEM2, NUT4		1	1
124	Circle Four PIG FARM 41304md4	BW	352	CHEM2, NUT4		1	1
125	Circle Four PIG FARM 41104mu	BW	352	CHEM2, NUT4		1	1
126	Circle Four PIG FARM 41104mu	BW	352	CHEM2, NUT4		1	1
127	Circle Four PIG FARM 41104md	BW	352	CHEM2, NUT4		1	1
128	Circle Four PIG FARM 41105mu	BW	352	CHEM2, NUT4		1	1

Table 7. Groundwater Monitoring

No.	Site Description	Permit Writer	Cost Code	Suite of Parameters	Additional Parameters	No. of Wells	No. of Surveys
129	Circle Four PIG FARM 41105md2	BW	352	CHEM2, NUT4		1	1
130	Circle Four PIG FARM 41106mu	BW	352	CHEM2, NUT4		1	1
131	Circle Four PIG FARM 41106md	BW	352	CHEM2, NUT4		1	1
132	Circle Four PIG FARM 41106md2	BW	352	CHEM2, NUT4		1	1
133	Circle Four PIG FARM 41306mu	BW	352	CHEM2, NUT4		1	1
134	Circle Four PIG FARM 41306md2	BW	352	CHEM2, NUT4		1	1
135	Circle Four PIG FARM 41307mu	BW	352	CHEM2, NUT4		1	1
136	Circle Four PIG FARM 41307md2	BW	352	CHEM2, NUT4		1	1
137	Circle Four PIG FARM 41308mu	BW	352	CHEM2, NUT4		1	1
138	Circle Four PIG FARM 41308md2	BW	352	CHEM2, NUT4		1	1
139	Circle Four PIG FARM 41309mu	BW	352	CHEM2, NUT4		1	1
140	Circle Four PIG FARM 41309md2	BW	352	CHEM2, NUT4		1	1
141	Circle Four PIG FARM 41310mu	BW	352	CHEM2, NUT4		1	1
142	Circle Four PIG FARM 41310md2	BW	352	CHEM2, NUT4		1	1
143	Circle Four PIG FARM 41311mu2	BW	352	CHEM2, NUT4		1	1
144	Circle Four PIG FARM 41311md2	BW	352	CHEM2, NUT4		1	1
145	Circle Four PIG FARM 41312mu2	BW	352	CHEM2, NUT4		1	1
146	Circle Four PIG FARM 41312md2	BW	352	CHEM2, NUT4		1	1
147	Circle Four PIG FARM 41313mu2	BW	352	CHEM2, NUT4		1	1
148	Circle Four PIG FARM 41313md2	BW	352	CHEM2, NUT4		1	1
149	Circle Four PIG FARM 41314mu2	BW	352	CHEM2, NUT4		1	1
150	Circle Four PIG FARM 41314md2	BW	352	CHEM2, NUT4		1	1
151	Circle Four PIG FARM 41315mu	BW	352	CHEM2, NUT4		1	1
152	Circle Four PIG FARM 41315md	BW	352	CHEM2, NUT4		1	1
153	Circle Four PIG FARM 41107mu	BW	352	CHEM2, NUT4		1	1
154	Circle Four PIG FARM 41107md	BW	352	CHEM2, NUT4		1	1
155	Circle Four PIG FARM 41108mu2	BW	352	CHEM2, NUT4		1	1
156	Circle Four PIG FARM 41108md2	BW	352	CHEM2, NUT4		1	1
157	Circle Four PIG FARM 42101mu	BW	352	CHEM2, NUT4		1	1
158	Circle Four PIG FARM 42101md	BW	352	CHEM2, NUT4		1	1
159	Circle Four PIG FARM 42102mu	BW	352	CHEM2, NUT4		1	1
160	Circle Four PIG FARM 42102md	BW	352	CHEM2, NUT4		1	1
161	Circle Four PIG FARM 41316mu	BW	352	CHEM2, NUT4		1	1
162	Circle Four PIG FARM 41316md	BW	352	CHEM2, NUT4		1	1
163	Circle Four PIG FARM 41317mu	BW	352	CHEM2, NUT4		1	1
164	Circle Four PIG FARM 41317md	BW	352	CHEM2, NUT4		1	1
165	Circle Four PIG FARM 41319mu	BW	352	CHEM2, NUT4		1	1
166	Circle Four PIG FARM 41319md	BW	352	CHEM2, NUT4		1	1
167	Circle Four PIG FARM 41320mu	BW	352	CHEM2, NUT4		1	1
168	Circle Four PIG FARM 41320md	BW	352	CHEM2, NUT4		1	1
169	Circle Four PIG FARM 41321md	BW	352	CHEM2, NUT4		1	1
170	Circle Four PIG FARM 41322mu	BW	352	CHEM2, NUT4		1	1
171	Circle Four PIG FARM 41322md	BW	352	CHEM2, NUT4		1	1
172	Circle Four PIG FARM 41323mu	BW	352	CHEM2, NUT4		1	1

Table 7. Groundwater Monitoring

No.	Site Description	Permit Writer	Cost Code	Suite of Parameters	Additional Parameters	No. of Wells	No. of Surveys
173	Circle Four PIG FARM 41323md	BW	352	CHEM2, NUT4		1	1
174	Circle Four PIG FARM 41317md2	BW	352	CHEM2, NUT4		1	1
175	Circle Four PIG FARM 41318mu2	BW	352	CHEM2, NUT4		1	1
176	Circle Four PIG FARM 41318md2	BW	352	CHEM2, NUT4		1	1
177	Circle Four PIG FARM 41320md2	BW	352	CHEM2, NUT4		1	1
178	Circle Four PIG FARM 41321mu2	BW	352	CHEM2, NUT4		1	1
179	Circle Four PIG FARM 41321md2	BW	352	CHEM2, NUT4		1	1
180	Circle Four PIG FARM Water Supply well 41103	BW	352	CHEM2, NUT4, BACTI6		1	1
181	Circle Four PIG FARM Water Supply well #1	BW	352		TDS, NO2+NO3	1	1
182	Circle Four PIG FARM Water Supply well #2	BW	352		TDS, NO2+NO3	1	1
183	Circle Four PIG FARM Water Supply well #3	BW	352		TDS, NO2+NO3	1	1
184	Circle Four PIG FARM Water Supply well #4	BW	352		TDS, NO2+NO3	1	1
185	Circle Four PIG FARM Water Supply West Well #1	BW	352		TDS, NO2+NO3	1	1
186	Circle Four PIG FARM Water Supply West Well #2	BW	352		TDS, NO2+NO3	1	1
187	Circle Four PIG FARM lagoons at 41102	BW	352	CHEM2, NUT4, MET3		1	1
188	Circle Four PIG FARM lagoons at 41202	BW	352	CHEM2, NUT4, MET3		1	1
189	Circle Four PIG FARM lagoons at 41302	BW	352	CHEM2, NUT4, MET3		1	1
190	Circle Four PIG FARM 41202mu	BW	352	CHEM2, NUT4		1	1
191	Circle Four PIG FARM 41202md	BW	352	CHEM2, NUT4		1	1
192	Circle Four PIG FARM 41203mu	BW	352	CHEM2, NUT4		1	1
193	Circle Four PIG FARM 41203md	BW	352	CHEM2, NUT4		1	1
194	Circle Four PIG FARM 41204mu	BW	352	CHEM2, NUT4		1	1
195	Circle Four PIG FARM 41204md	BW	352	CHEM2, NUT4		1	1
196	Circle Four PIG FARM 41205mu	BW	352	CHEM2, NUT4		1	1
197	Circle Four PIG FARM 41205md	BW	352	CHEM2, NUT4		1	1
198	Circle Four PIG FARM 41206mu	BW	352	CHEM2, NUT4		1	1
199	Circle Four PIG FARM 41206md	BW	352	CHEM2, NUT4		1	1
200	Circle Four PIG FARM 42301mu	BW	352	CHEM2, NUT4		1	1
201	Circle Four PIG FARM 42301md	BW	352	CHEM2, NUT4		1	1
202	Circle Four PIG FARM 42302-3mu	BW	352	CHEM2, NUT4		1	1
203	Circle Four PIG FARM 42302-3md	BW	352	CHEM2, NUT4		1	1
204	Circle Four PIG FARM 42302-3md2	BW	352	CHEM2, NUT4		1	1
205	Circle Four PIG FARM 42304mu	BW	352	CHEM2, NUT4		1	1
206	Circle Four PIG FARM 42304md	BW	352	CHEM2, NUT4		1	1
207	Circle Four PIG FARM 42100mu	BW	352	CHEM2, NUT4		1	1
208	Circle Four PIG FARM 42100md	BW	352	CHEM2, NUT4		1	1
209	Circle Four PIG FARM 42200mu	BW	352	CHEM2, NUT4		1	1
210	Circle Four PIG FARM 42200md	BW	352	CHEM2, NUT4		1	1
211	Circle Four PIG FARM 42207mu	BW	352	CHEM2, NUT4		1	1
212	Circle Four PIG FARM 42207md	BW	352	CHEM2, NUT4		1	1
213	Circle Four PIG FARM 42208mu	BW	352	CHEM2, NUT4		1	1
214	Circle Four PIG FARM 42208md	BW	352	CHEM2, NUT4		1	1
215	Circle Four PIG FARM 42209mu	BW	352	CHEM2, NUT4		1	1
216	Circle Four PIG FARM 42209md	BW	352	CHEM2, NUT4		1	1

Table 7. Groundwater Monitoring

No.	Site Description	Permit Writer	Cost Code	Suite of Parameters	Additional Parameters	No. of Wells	No. of Surveys
217	Circle Four PIG FARM 42210mu	BW	352	CHEM2, NUT4		1	1
218	Circle Four PIG FARM 42210md	BW	352	CHEM2, NUT4		1	1
219	Circle Four PIG FARM 49170mu	BW	352	CHEM2, NUT4		1	1
220	Circle Four PIG FARM 49170md	BW	352	CHEM2, NUT4		1	1
221	Circle Four PIG FARM Blue Mountain Culinary Well #1S	BW	352	CHEM2, NUT4, BACTI6		1	1
222	Circle Four PIG FARM Blue Mountain Culinary Well #2S	BW	352	CHEM2, NUT4, BACTI6		1	1
223	Circle Four PIG FARM 41101md3	BW	352	CHEM2, NUT4		1	1
224	Circle Four PIG FARM 41102md2	BW	352	CHEM2, NUT4		1	1
225	TOOELE ARMY DEPOT SEWAGE LAGOONS	BW	352	CHEM2, MET3	T-HG, D-HG, TOC, NO3-NO2	2	0
226	DUGWAY SEWAGE LAGOONS	BW	352	CHEM2	NO3	4	0
227	PACIFIC WEST	UK	352	TPH, BTEX		0	0
228	100 AMBIENT MONITORING WELLS	UK	353	CHEM2, NUT9, MET3		100	1
229	50 AMBIENT MONITORING WELLS (ORGANICS)	UK	353	515.2,525.2,531		50	1
230	Milford Flats	BD	353	CHEM2, NUT9, MET3		50	1
231	Delta Egg Farm	BD	352	CHEM2, NUT9,MET3		50	
232	Dutch Boy Dairy	BD	352	CHEM2, NUT9, MET3		25	1
						Sub-Total	
						QA/QC	
						Total	
Code	Parameter						
BAC							
T6	BACT6						
	M.F. FECAL COLIFORM						
	M.F. TOTAL COLIFORM						
	BACTERIOLOGY TYPE 6						
MET							
3	MET3						
	D-Aluminum						
	D-Arsenic						
	D-Barium						
	D-Cadmium						
	D-Chromium						
	D-Copper						
	D-Iron						
	D-Lead						
	D-Manganese						
	D-Mercury						
	D-Selenium						
	D-Silver						
	D-Zinc						
	D-Calcium						

Table 7. Groundwater Monitoring

No.	Site Description	Permit Writer	Cost Code	Suite of Parameters	Additional Parameters	No. of Wells	No. of Surveys
	D-Magnesium						
	D-Potassium						
	D-Sodium						
	METALS WTUs						
CHE M2	CHEM2						
	Bicarbonate						
	Carbonate						
	Carbonate Solids						
	Carbon Dioxide						
	Chemical Balance						
	Chloride						
	Hydroxide						
	pH						
	Specific Conductance						
	Sulfate						
	Total Alkalinity						
	Total Dissolved Solids						
	Total Hardness						
	Total Suspended Solids						
	Turbidity						
	Inorganic WTUs				0.00		
NU1 9	NUT9						
	T.PHOSPHORUS						
	NO2+NO3 DISS						
	AMMONIA AS N DISS						
	DIS. TOT. PHOS						
	T.K.N.						
	TP04,NH3,DNO2N03,D-TPHOS (NUTSPEC)						
	NUTRIENT TYPE 9						
	PHENOLICS						
NU1 4	NUT4						
	AMMONIA AS N DISS						
	T.PHOSPHORUS						
	NO2+NO3 DISS						
	NUTRIENT TYPE 4						

Table 7. Groundwater Monitoring

No.	Site Description	Permit Writer	Cost Code	Suite of Parameters	Additional Parameters	No. of Wells	No. of Surveys
MET 2	MET2						
	T-ARSENIC						
	T-BARIUM						
	T-CADMIUM						
	T-CHROMIUM						
	T-COPPER						
	T-IRON						
	T-LEAD						
	T-MANGANESE						
	T-MERCURY						
	T-NICKEL						
	T-SELENIUM						
	T-SILVER						
	T-ZINC						
	METALS TYPE 2						

Table 8. Cooperative Monitoring Surveys

STORET No.	Site Description	Source Code	Sample Type	Cost Code	Suite of Parameters	Additional Parameters	No. of Surveys	
UNITED STATES FOREST SERVICE								
ASHLEY NATIONAL FOREST								
493777	SOUTH FK ASHLEY CK AB RD 018	x	03	04	350	MET3 (4X),CHEM2	TPO4, T-NO2NO3	
493784	W FK LITTLE BRUSH CK AB RD 022	x	03	04	350	MET3 (4X),CHEM2	TPO4, T-NO2NO3	
493785	LITTLE BRUSH CK BL ROUND PARK	x	03	04	350	MET3 (4X),CHEM2	TPO4, T-NO2NO3	
493602	INDIAN CANYON CK @ GUARD STATION	x	03	04	350	MET3 (4X),CHEM2	TPO4, T-NO2NO3	
493600	INDIAN CANYON CK @ NFS BDNV	x	03	04	350	MET3 (4X),CHEM2	TPO4, T-NO2NO3	
493478	DRY GULCH @ NFS BDNV	x	03	04	350	MET3 (4X),CHEM2	TPO4, T-NO2NO3	
593803	N FK ASHLEY CK AB LONG PARK RES	x	03	04	350	MET3 (4X),CHEM2	TPO4, T-NO2NO3	
593800	N FK ASHLEY CK AB CENTER CREEK	x	03	04	350	MET3 (4X),CHEM2	TPO4, T-NO2NO3	
493791	BLUE CREEK AB ROAD 473	x	03	04	350	MET3 (4X),CHEM2	TPO4, T-NO2NO3	
493799	REEDER CK AB ROAD 048	X	03	04	350	MET3 (4X),CHEM2	TPO4, T-NO2NO3	
493893	BIRCH SPRING DRAW @ NRA BNDRY	X	03	04	350	MET3 (4X),CHEM2	TPO4, T-NO2NO3	
593801	N FK ASHLEY CK BL LONG PARK RES	DONE PREVIOUSLY						
493834	GREEN RIVER AB LITTLE HOLE (LITTLE HOLE	DONE PREVIOUSLY						
493833	GREEN R BL LITTLE HOLE BOAT RAMP	DONE PREVIOUSLY						
493829	GREEN R AB BIG COTTONWOOD CAMPGROUND	DONE PREVIOUSLY						
493827	GREEN R 100 YD AB CNFL/RED CK	DONE PREVIOUSLY						
493826	GREEN R 300YD BL CNFL/RED CK	DONE PREVIOUSLY						
493849	GREEN R BL FLAMING GORGE DAM	DONE PREVIOUSLY						
493772	ASHLEY CK AT USGS GAGING STATION	DONE PREVIOUSLY						
493764	N FK DRY FORK CK AT USGS GAGE NO. 092685	DONE PREVIOUSLY						
493781	SPLIT CK AB MARCH BENCH RD	DONE PREVIOUSLY						
493780	S FK BROWNIE CK AB MARSH BENCH RD	DONE PREVIOUSLY						
493763	BROWNIE CK AB SINKS	DONE PREVIOUSLY						
593776	LITTLE BRUSH CREEK AB EAST PARK RES	DONE PREVIOUSLY						
493610	W. F. AVINTAQUIN CREEK	DONE PREVIOUSLY						
493604	S.F. AVINTAQUIN CREEK	DONE PREVIOUSLY						
493611	HORSE RIDGE CK @ NFS BDNV	DONE PREVIOUSLY						
CONTACT - Ronne Sue Helzner - 781-5140, Louis Wasniewski - 781-5279								
ASHLEY NATIONAL FOREST LAKES								
593550	DEAN LAKE IN FOUR LAKES BASIN	X				CHEM2 NUT6 MET3	4	
593290	WALK UP LAKE NW OF CHEPETA LAKE	X				CHEM2 NUT6 MET3	4	
593830	FISH LAKE IN BURNT FORK	X				CHEM2 NUT6 MET3	4	
593806	SHEEP CREEK RESERVOIR	X				NUT6	8	
593815	EAST GREENS LAKE	X				NUT6	8	
DIXIE NATIONAL FOREST								
495453	BEAR CK BL HAWS PASTURE	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	
495433	LAKE CK @ HELLS BACKBONE ROAD XING	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	
495508	NORTH CK AB NORTH CK RES	DONE PREVIOUSLY						
495507	NORTH CK AT UFS BDNV	DONE PREVIOUSLY						
495449	PINE CK NEAR BICKNELL	DONE PREVIOUSLY						
495482	PLEASANT CK TANTULAS FLAT	DONE PREVIOUSLY						
494959	ANTIMONY CREEK AB DIVERSION	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	
494984	MAMOTH CREEK SPRING*SEVIER	DONE PREVIOUSLY						TSS,TPO4, T-NO2NO3
494987	TOMMY CK AB FOREST BNDY	DONE PREVIOUSLY						
494988	MAMOTH CK AB CNFL / TOMMY CK	DONE PREVIOUSLY						
494986	TOMMY CK AB CNFL / MAMMOTH CK	DONE PREVIOUSLY						
494973	THREE MILE CK AT FOREST BDNV	DONE PREVIOUSLY						
ESCALANTE CONACT - DAN RANGE (435)-826-5434								
CEDAR CITY CONTACT - CRAIG KENDALL -435 -865-3700								
FISH LAKE NATIONAL FOREST								
494018	MEADOW CK - UPPER	X	03	04	350	CHEM2 MET3(4X)	TPO4, T-NO2NO3	
494021	SOUTH FK CHALK CREEK AB PISTOL ROCK PI AREA	X	03	04	350	CHEM2 MET3(4X)	TPO4, T-NO2NO3	
494731	SALINA CK 1/2 MILE AB SALINA CANYON DAM	X	03	04	350	CHEM2 MET3(4X)	TPO4, T-NO2NO3	
494734	SALINA CK AB CNFL BEAVER CK	X	03	04	350	CHEM2 MET3(4X)	TPO4, T-NO2NO3	
494735	BEAVER CK AB CNFL SALINA CK	X	03	04	350	CHEM2 MET3(4X)	TPO4, T-NO2NO3	
594020	CHALK CK AB DIVERSION	X	03	04	350	CHEM2 MET3(4X)	TPO4, T-NO2NO3	
594090	MERCHANT CREEK AB CNFL THREE CREEKS	X	03	04	350	CHEM2 MET3(4X)	TPO4, T-NO2NO3	
594103	THREE CREEKS ABOVE CNFL BEAVER RIVER	X	03	04	350	CHEM2 MET3(4X)	TPO4, T-NO2NO3	
594490	MANNING CREEK BL ROAD CROSSING	X	03	04	350	CHEM2 MET3(4X)	TPO4, T-NO2NO3	
594493	BARNEY LAKE TRIB AB CONF W MANNING CK	X	03	04	350	CHEM2 MET3(4X)	TPO4, T-NO2NO3	
594500	MANNING CREEK AB BARNEY LAKE TRIB	X	03	04	350	CHEM2 MET3(4X)	TPO4, T-NO2NO3	
594565	BOX CREEK AB BOX CK RES	X	03	04	350	CHEM2 MET3(4X)	TPO4, T-NO2NO3	
594566	BOX CREEK (NORTH FK) AB CNFL BOX CK	X	03	04	350	CHEM2 MET3(4X)	TPO4, T-NO2NO3	
595601	UM CK (RIGHT FK) AT BLACKS FLAT	X	03	04	350	CHEM2 MET3(4X)	TPO4, T-NO2NO3	
595616	SEVEN MILE CK 1 MILE AB MOUTH	X	03	04	350	CHEM2 MET3(4X)	TPO4, T-NO2NO3	
595619	SEVEN MILE CK 5.7 MILES AB MOUTH	X	03	04	350	CHEM2 MET3(4X)	TPO4, T-NO2NO3	
595622	SEVEN MILE CREEKHEAWATERS	X	03	04	350	CHEM2 MET3(4X)	TPO4, T-NO2NO3	
CORN CREEK @ USFS BNDY								
494017	MEADOW CK AT USFS BOUNDARY	INTENSIVE SURVEY						
595600	UM CK 2 MI AB FORSYTH RES	DONE PREVIOUSLY						
CONTACT - DEBRA GREY (435)-896-9233								
MANTI / LASALE NATIONAL FOREST								

Table 8. Cooperative Monitoring Surveys

STORET No.	Site Description		Source Code	Sample Type	Cost Code	Suite of Parameters	Additional Parameters	No. of Surveys
493110	LOWERY WATER AB JOES VALLEY RES	X	03	04	350	CHEM2 MET3	TPO4, T-NO2NO3	4
495079	NUCK WOODWARD CK AB HUNTINGTON CK	X	03	04	350	CHEM2 MET3	TPO4, T-NO2NO3	4
495580	INDIAN CK BL SHEA MTN ROAD	X	03	04	350	CHEM2 MET3	TPO4, T-NO2NO3	4
495584	INDIAN CK AB BLANDING TUNNEL	X	03	04	350	CHEM2 MET3	TPO4, T-NO2NO3	4
593165	FISH CK AT UFS BNDY	X	03	04	350	CHEM2 MET3	TPO4, T-NO2NO3	4
	LITTLE HORSE CREEK AB CNFL W/INDIAN CK	X	03	04	350	CHEM2 MET3	TPO4, T-NO2NO3	4
	BEAVER CREEK	X	03	04	350	CHEM2 MET3	TPO4, T-NO2NO3	4
	LASAL CK	X	03	04	350	CHEM2 MET3	TPO4, T-NO2NO3	4
	NORTH CREEK AB HARTS DRAW ROAD	X	03	04	350	CHEM2 MET3	TPO4, T-NO2NO3	4
	DUCK FORK CK AB DUCK FORK RESERVOIR							
493084	DUCK FORK CK AB FERRON CK					DONE PREVIOUSLY		
495113	SEELLY CK AB JOES VALLEY RES					DONE PREVIOUSLY		
495115	NORTH DRAGON CK AB JOES VALLEY RES					DONE PREVIOUSLY		
495349	LOWER DALTON SPRINGS					DONE PREVIOUSLY		
495558	MUDDY CK AT UFS BNDY					DONE PREVIOUSLY		
	CONTACT - ROB DAVIES (435)-637-2817, KATHRYN FOSTER							
	UINTA NATIONAL FOREST							
493651	TROUT CK AB STRAWBERRY RES AT US40 XING**	X	03	04	H-350B	CHEM2 MET3	TPO4, T-NO2NO3,TSS,TDS,ALK, SULFATE	
493652	STREPPER CREEK AB INDIAN CREEK ROAD	X	03	04	H-350B	CHEM2 MET3	TPO4, T-NO2NO3,TSS,TDS,ALK, SULFATE	
493655	INDIAN CREEK AB MOUTH OF STREPPER CREEK	X	03	04	H-350B	CHEM2 MET3	TPO4, T-NO2NO3,TSS,TDS,ALK, SULFATE	
493661	INDIAN CK AB WESTSIDE RD AB STRAWBERRY R**	X	03	04	H-350B	CHEM2 MET3	TPO4, T-NO2NO3,TSS,TDS,ALK, SULFATE	
493665	STRAWBERRY RIVER @ WESTSIDE ROAD	X	03	04	H-350B	CHEM2 MET3	TPO4, T-NO2NO3,TSS,TDS,ALK, SULFATE	
493666	STRAWBERRY R BL CNFL/WILLOW CREEK**	X	03	04	H-350B	CHEM2 MET3	TPO4, T-NO2NO3,TSS,TDS,ALK, SULFATE	
493668	STRAWBERRY RIVER AB DANIELS DIVERSION **	X	03	04	H-350B	CHEM2 MET3	TPO4, T-NO2NO3,TSS,TDS,ALK, SULFATE	
493670	WIDE HOLLOW CK AB CNFL/ STRAWBERRY R	X	03	04	H-350B	CHEM2 MET3	TPO4, T-NO2NO3,TSS,TDS,ALK, SULFATE	
493680	W FORK DUCHESNE R AB VAT DIVERSION	X	03	04	H-350B	CHEM2 MET3	TPO4, T-NO2NO3,TSS,TDS,ALK, SULFATE	
499571	DIAMOND FK AB THREE FORKS	X	03	04	359	CHEM2 MET3	TPO4, T-NO2NO3	
	WILLOW CREEK AB CNFL STRAWBERRY RIVER	X	03	04	359	CHEM2 MET3	TPO4, T-NO2NO3	
591354	DANIELS CK AT FIRST DIVERSION					SEE CUWCD		
493286	LEFT FORK WHITRE RIVER AB NFS BNDY					PREVIOUSLY -2002		
493662	CLYDE CREEK ABOVE STRAWBERRY RIVER					PREVIOUSLY - 2003		
493663	CLYDE CREEK AB OLD NATIONAL FOREST BOUND					PREVIOUSLY - 2003		
493653	CO-OP CREEK ABOVE CNFL W/STRAWBERRY RIVE					PREVIOUSLY - 2001		
493656	CO-OP CREEK @ NARROWS 1 1/4 MI BL USFS B **					PREVIOUSLY - 2001		
493288	RIGHT FORK WHITE R AB NFS BNDY					PREVIOUS - 2001		
499499	N F AMERICAN F R AB S FORK					MINE SITE		
499498	AMERICAN F R AT MOUTH					INTENSIVE/MINE		
493679	W FORK DUCHESNE AB N FORK DUCHESNE					INTENSIVE		
499551	PETEETNEEK CREEK AB MAPLE DELL					INTENSIVE		
499554	SUMMIT CREEK (SANTAQUIN CANYON)					INTENSIVE		
499581	BENNIE CREEK @ USFS BNDY					INTENSIVE		
499590	NEBO CREEK AT NFS BNDY					INTENSIVE		
499590	SHEEP CREEK					INTENSIVE		
499596	TIE FORK AB PRIVATE LAND					INTENSIVE		
499614	RIGHT FORK HOBBLE CREEK @ CHERRY CG					INTENSIVE		
499616	WARDSWORTH AB HOBBLE CK					INTENSIVE		
493629	WILLOW CREEK BL FRENCH HOLLOW					DONE PREVIOUSLY-2002		
596032	VERNON CREEK @ PRIVATE LAND BNDY					DONE PREVIOUSLY/MINE		
499485	CHIPMAN CANYON CREEK BL NFS BNDY					DONE PREVIOUSLY -2002		
491316	SALT CK AT BOUNDARY					DONE PREVIOUSLY -2001		
493620	CURRENT CREEK @ NFS BNDY					DONE PREVIOUSLY - 2002		
493658	TRAIL HOLLOW CREEK AB CNFL/ CHIPMAN CREE					DONE PREVIOUSLY - 2001		
493677	NORTH FORK DUCHESNE AB W F DUCHESNE					DONE PREVIOUSLY		
499566	DIAMOND FK @ USFS BNDY					CUWCD		
499477	HALLS FORK AB CHASE AND SHINGLE MILL GULCH					2002		
	HOLMAN CK AB NEBO CK					2001		
493678	WOLF CK AT MOUTH OF TWIN CK		03	04	U-350B		TPO4, T-NO2NO3,TSS,TDS,ALK, SULFATE	
493683	W FORK DUCHESNE R AB WOLF CK		03	04	U-350B		TPO4, T-NO2NO3,TSS,TDS,ALK, SULFATE	
499848	S. FK PROVO R AB PRIVATE LANDS BL MILL CK		03	04	U-350B		TPO4, T-NO2NO3,TSS,TDS,ALK, SULFATE	
499851	S. FK PROVO R 1/3 MI AB MILL CK		03	04	U-350B		TPO4, T-NO2NO3,TSS,TDS,ALK, SULFATE	
499851	MILL HOLLOW CK AT MOUTH S. FK PROVO		03	04	U-350B		TPO4, T-NO2NO3,TSS,TDS,ALK, SULFATE	
499855	NOBLETTE CK BL U-35		03	04	U-350B		TPO4, T-NO2NO3,TSS,TDS,ALK, SULFATE	
499856	NOBLETTE CK AB U-35		03	04	U-350B		TPO4, T-NO2NO3,TSS,TDS,ALK, SULFATE	
	CONTACT HEBER CITY - JAKE SCHOPPE (435)-654-0470							
	CONTACT PROVO - BOB GEASEY							
	UINTA HEAVY METAL STUDY							
	Collected by Provod Office of USFS							
		X	03	04	P-350B	CHEM2 MET3	TPO4, T-NO2NO3	4
		X	03	04	P-350B	CHEM2 MET3	TPO4, T-NO2NO3	4
		X	03	04	P-350B	CHEM2 MET3	TPO4, T-NO2NO3	4
591201	N FK American FK ab Bog Mine	X	03	04	P-350B	CHEM2 MET3	TPO4, T-NO2NO3	4
591202	N FK American FK between Bog and Lower Bog	X	03	04	P-350B	CHEM2 MET3	TPO4, T-NO2NO3	4
591203	Lower Bog mine Adit	X	03	04	P-350B	CHEM2 MET3	TPO4, T-NO2NO3	4
591204	N FK American FK bl Lower Bog	X	03	04	P-350B	CHEM2 MET3	TPO4, T-NO2NO3	4
591205	N FK American FK ab Pacific Mine	X	03	04	P-350B	CHEM2 MET3	TPO4, T-NO2NO3	4
591206	Pacific Mine Adit	X	03	04	P-350B	CHEM2 MET3	TPO4, T-NO2NO3	4
591207	Spring Outlet Near Pacific Mine	X	03	04	P-350B	CHEM2 MET3	TPO4, T-NO2NO3	4
591208	Beaver Ponk Outlet Near Pacific Mine	X	03	04	P-350B	CHEM2 MET3	TPO4, T-NO2NO3	4
591209	Upper Discharge from Pacific Tailings Pile	X	03	04	P-350B	CHEM2 MET3	TPO4, T-NO2NO3	4
591210	Middle Discharge from Pacific Tailings Pile	X	03	04	P-350B	CHEM2 MET3	TPO4, T-NO2NO3	4
591211	Lower Discharge from Pacific Tailings Pile	X	03	04	P-350B	CHEM2 MET3	TPO4, T-NO2NO3	4
591212	N FK American FK bl Pacific Mine	X	03	04	P-350B	CHEM2 MET3	TPO4, T-NO2NO3	4
591213	N FK American FK at Dutchman flat	X	03	04	P-350B	CHEM2 MET3	TPO4, T-NO2NO3	4
591214	N FK American FK ab Cnfl/Mary Ellen Gulch	X	03	04	P-350B	CHEM2 MET3	TPO4, T-NO2NO3	4

Table 8. Cooperative Monitoring Surveys

STORET No.	Site Description		Source Code	Sample Type	Cost Code	Suite of Parameters	Additional Parameters	No. of Surveys
495715	NEGRO BILL CANYON CK AT MOUTH	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
495581	NORTH COTTONWOOD CK AT BEEF BASIN RD XING	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
495316	ROAD CANYON AT MOUTH	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
495981	WESTWATER CK AB MIDDLE CANYON	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
	CONTACT - ANN MARIE AUBRY (435)-259-2173							
	PRICE BLM							
493337	GREEN RIVER AT NINE MILE CANYON	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
493333	NINE MILE CREEK AT MOUTH	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
493340	FLAT CANYON CREEK AT MOUTH	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
493325	JACK CREEK AT MOUTH	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
493321	ROCK CREEK AT MOUTH	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
493311	RANGE CREEK AT MOUNT	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
493306	COAL CREEK AT MOUTH	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
493161	PRICE RIVER AT MOUTH	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
493317	CHANDLER CK AT PRICE RIVER	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
493009	THREE CANYON CREEK	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
493007	KEG SPRING CANYON CREEK	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
493006	SPRING CANYON CREEK	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
493015	GREEN RIVER AT MINERAL BOTTOMS	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
493328	COTTONWOOD CANYON CK	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
493341	COW CANYON CK	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
493329	DRY CANYON	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
493038	FULLER BOTTOM WELL	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
493253	GORDON CK	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
493212	MUD SPRINGS	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
493339	SHEEP CANYON CK	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
493304	RATTLESANEK CK AT MOUTH							
493227	COAL CREEK NEAR WELLINGTON							
493323	TRAIL CANYON	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
	CONTACT - KERRY FLOOD							
	RICHFIELD BLM							
495409	SWEETWATER CK NW OF KING RANCH @ JCT W/	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	1
495412	DUGOUT CK. BL DAVE TEEPLES SPRING AT RD	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	1
495414	DUGOUT CK AB APPLE BRUSH FLAT T31S R09E	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	1
495407	SOUTH CK AT RD XING 1/8 MI NE OF KING RA	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	1
495427	SOUTH CK AB DUGOUT TRANS BASIN DITCH	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	1
495418	SOUTH CREEK 3/4 MI BL WILLOW CK AT RD XI	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	1
599036	DUGOUT CREEK @ RD XING 1 MI NE OF MCLEL	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	1
495415	PISTOL CREEK SOUTH FORK AB CNFL/N.FK AT	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	1
495416	PISTOL CK - SOUTH FK 1/2 MI AB 495415 @	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	1
495403	N FK PISTOL CK @ RD XING	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	1
495419	SOUTH CK - N FK AB NASTY FLAT AT RD XING	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	1
495417	DUGOUT CREEK E OF DURFEY BUTTE @ RD XING	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	1
495425	BULL CREEK 3/4 MI AB CNFL W/ MT ELLEN CK	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	1
495445	MT ELLEN CKLEFT FORK AB CNFL/W BULL CR	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	1
495444	MT ELLEN CKRIGHT FORK AB CNFL W/ BULL	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	1
495423	BULL CREEK AT USGS STA NR HANKSVILLE 093	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	1
495422	BULL CK -A4 MI BL USGS GAGE T30S R11E	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	1
495431	GRANITE CK 1/2 MI SE PRL FLT @ RD XNG T3	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	1
495759	CRESCENT CK .7MI E OF WICKYUP PASS AND C	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	1
495760	CRESCENT CREEK IN BROMIDE BASIN ELEVATIO	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	1
495743	SLATE C 1MI AB SLT FLT AT ROAD XING 32S	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	1
599017	DARK CANYON CREEK T32S R10E SEC26 SW1/4	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	1
495748	STRAIGHT CREEK 1 3/4 MI AB CNFL WITH BRO	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	1
495428	PENNELL CK 1 MI SW OF STANTON PASS @ RD	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	1
495475	BASTIAN RES T35S R11E SEC21 SW1/4 SW1/4	X	04	21	358	CHEM2 MET3	TPO4, T-NO2NO3	1
495745	STRAIGHT CK AB CNFL W/ BENSON CK T33S R1	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	1
495470	TRACHYTE CK AB CNFL WITH BLACK CK	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	1
495472	MAIDENWATER CK AB TRACHYTE CK	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	1
	CONTACT - RICK FIKE							
	SALT LAKE BLM							
	LAKETOWN CANYON UPPER	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	2
	LAKETOWN CANYON LOWER	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	2
	6 OTHER SITES	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	2
	VERNAL BLM							
493344	PARIETTE DRAW 1 MI AB CNFL/ GREEN R (P 2	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	12
493348	PARIETTE DRAW 1 MI AB CNFL/ GREEN R (P 2	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	12
493377	BITTER CREEK	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	12
493361	ARGYLE UPPER	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	12
493362	ARGYLE LOWER	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	12
	CONTACT - STEVE STRONG							
	SALT LAKE CITY							

Table 8. Cooperative Monitoring Surveys

STORET No.	Site Description		Source Code	Sample Type	Cost Code	Suite of Parameters	Additional Parameters	No. of Surveys
499310	BIG COTTONWOOD CK AT USFS BOUNDARY	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	12
499366	LITTLE COTTONWOOD CK AT USFS BOUNDAR	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	12
499264	MILL CK AT USFS BOUNDARY	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	12
499216	EMIGRATION CANYON CREEK AT SWITCHBACK	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	12
499214	EMIGRATION CREEK AT ROTARY GLEN	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	12
499221	LAMBS CANYON CREEK BL I-80 AT WEIR	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	12
499220	PARLEYS CANYON CK @ U65 XING AB MTN DELL	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	12
499217	MOUNTAIN DELL CK @ U65 XING BL LIL DELL	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	12
499223	PARLEYS CANYON CK @ I-215 XING	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	12
499195	CITY CK AB FILTRATION PLANT	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	12
499210	RED BUTTE CK AB RESERVOIR	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	12
499219	LITTLE DELL CK @U65 XING AB LITTLE DELL	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	12
	CONTACT - BODELL							
	CANYONLANDS NATIONAL PARK							
495629	COLORADO RIVER AT POTASH BOAT RAMP	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	6
495625	COLORADO R. 1.4MI BL CNFL / MOAB SALT CO	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	6
495242	COLORADO R AT LATHROP CAN	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	6
495566	INDIAN CK AT MOUTH	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	6
495240	COLORADO R AB CNFL / GREEN R	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	6
493001	GREEN R AB CNFL / COLORADO R	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	6
495238	COLORADO R. BL BIG DROP #3 RAPIDS	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	6
495236	DARK CANYON CK AB CNFL / COLORADO R.	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	6
495232	LAKE POWELL AT COLORADO R BAY AT U95 XIN	X	04	21	358	CHEM2 MET3	TPO4, T-NO2NO3	6
493015	GREEN R AT MINERAL BOTTOMS	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
599524	COURTHOUSE WASH .5MI AB COLORADO R AT US	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
599520	FRESHWATER SPG IN SALT WASH .5MI AB RD X	X	01	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
599525	SLEEPY HOLLOW SPRING IN UPPER COURTHOUSE	X	01	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
599550	MAZE OVERLOOK SPG .25MI SE OF MAZE OVERL	X	01	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
599505	CAVE SPRING SQ-3	X	01	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
599512	LITTLE SPRING CANYON CREEK LS2	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
599531	WHITE CANYON CK AT KACHINA NATURAL BRIDGE	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
599533	SIPAPU BRIDGE SPRING .25 MI AB BRIDGE SB	X	01	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
599527	WILLOW SPRING	X	01	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
599522	SALT WASH	X	01	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
599529	LOST SPRING CANYON	X	01	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
599514	SALT CREEK - WILSON	X	01	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
599515	SALT CREEK - CRESCENT	X	01	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
599516	SALT CREEK - PEEKABOO	X	01	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
599502	2.4 MILE LOOP	X	01	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
599542	CHOCOLATE DROP	X	01	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
599554	HORSESHOE CANYON	X	01	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
599570	SQUARE TOWER SPRING	X	01	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
599571	CAJUN SPRING	X	01	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
599572	HACKBERRY SPRING	X	01	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
599573	CUTTHROAT	X	01	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
599523	SALT VALLEY WASH	X	01	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
599532	OWACHEMO	X	01	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
	CAPITAL REEF NATIONAL PARK							
495481	HALLS CK AB HALLS NARROWS	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
495497	OAK AB DIVERSION IN CRNP	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
495478	PLEASANT CK S OF SLEEPING RAINBOW	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
495477	SULPHUR CK AB CNFL/FREMONT R IN PICNIC	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
495467	POLK CK BL BULLBERRY CK	X	03	04	358	CHEM2 MET3	TPO4, T-NO2NO3	4
	WSCUWCD/NAG-JTAC							
591113	COUNTY FLOOD CNTL CHANNEL AB PROVO R	X	03	04	552B	CHEM2 MET3	TP04,D-NO2NO3,NH3	4
591352	DANIELS CREEK AB DEER CREEK RES	X	03	04	552B	CHEM2 MET3	TP04,D-NO2NO3,NH3	4
499687	LITTLE DEER CK AB CNFL / PROVO RIVER	X	03	04	552B	CHEM2 MET3	TP04,D-NO2NO3,NH3	4
499685	LOWER N FK PROVO R AB CNFL W/ PROVO R	X	03	04	552B	CHEM2 MET3	TP04,D-NO2NO3,NH3	4
499683	LOWER S FK PROVO R AT GAGING STATION	X	03	04	552B	CHEM2 MET3	TP04,D-NO2NO3,NH3	4
591346	MAIN CK AB DEER CK RES AT US 189 XING	X	03	04	552B	CHEM2 MET3	TP04,D-NO2NO3,NH3	4
499767	MCHENRY CK BL MAYFLOWER/CUNNINGHAM	X	03	04	552B	CHEM2 MET3	TP04,D-NO2NO3,NH3	4
499840	PROVO R AB WOODLAND AT USGS GAGE	X	03	04	552B	CHEM2 MET3	TP04,D-NO2NO3,NH3	4
499813	PROVO R AT BRIDGE 2.5 MI E OF HAILSTONE	X	03	04	552B	CHEM2 MET3	TP04,D-NO2NO3,NH3	4
499733	PROVO R AT JORDANELLE ON US40	X	03	04	552B	CHEM2 MET3	TP04,D-NO2NO3,NH3	4
591363	PROVO RIVER AB CNFL / SNAKE CK	X	03	04	552B	CHEM2 MET3	TP04,D-NO2NO3,NH3	4
499681	PROVO RIVER AT OLMSTEAD DIVERSION	X	03	04	552B	CHEM2 MET3	TP04,D-NO2NO3,NH3	4
591321	PROVO RIVER BL DEER CREEK RES	X	03	04	552B	CHEM2 MET3	TP04,D-NO2NO3,NH3	4
499678	PROVO RIVER T MURDOCK DIVERSION	X	03	04	552B	CHEM2 MET3	TP04,D-NO2NO3,NH3	4
590016	SNAKE CK AB CNFL / PROVO R AT USBOR	X	03	04	552B	CHEM2 MET3	TP04,D-NO2NO3,NH3	4
499725	SPRING CK AB CNFL W/PROVO R NR HEBER	X	03	04	552B	CHEM2 MET3	TP04,D-NO2NO3,NH3	4
499814	WEBER-PROVO CNL DIVERSION AT US 189	X	03	04	552B	CHEM2 MET3	TP04,D-NO2NO3,NH3	4
591002	LOWER CHARLESTON CNL AB CNFL W	X	03	04	552B	CHEM2 MET3	TP04,D-NO2NO3,NH3	4
591027	SAGEBRUSH-SPRING CK CN AT US189 XING	X	03	04	552B	CHEM2 MET3	TP04,D-NO2NO3,NH3	4
	DAVIS COUNTY							
498520	GSL FARMINGTON BAY		03	04	350		TP04,D-NO2NO3,NH3,TSS	12

Table 8. Cooperative Monitoring Surveys

STORET No.	Site Description	Source Code	Sample Type	Cost Code	Suite of Parameters	Additional Parameters	No. of Surveys
498512	GSL EAST BAY STEEL TOWER SALINITY SITE	03	04	350	RECALCULATE	TP04,D-NO2NO3,NH3,TSS	12
	DAVIS COUNTY CAUSEWAY EAST						
	DAVIS COUNTY CAUSEWAY WEST						
499068	MILL CK AT 1100 WEST	03	04	350		TPO4	4
499070	MILL CK @ BOUNTIFUL BLVD	03	04	350		TPO4	4
499064	STONE CK AT ENTRANCE TO	03	04	350		TPO4	4
499062	STONE CK AB FSB @1300 EAST	03	04	350		TPO4	4
499038	BERNARD CK @ OAK RIDGE DRIVE	03	04	350		TPO4	4
499036	DUEL CK @ 700E	03	04	350		TPO4	4
499034	FARMINGTON CK @ USF BOUNDARY						
499035	FARINGTON CK @ 3RD N 1ST W (I-15)	03	04	350		TPO4	4
499022	HOLMES CK AB FSB	03	04	350		TPO4	4
499013	KAYS CK AT ANGEL ST XING	03	04	350		TPO4	4
499002	CHERRY CK @ 189 XING	03	04	350		TPO4	4
499001	PEACH CK AT US 89 XING	03	04	350		TPO4	4
	CONTACT - LOU COOPER						
	DAVIS COUNTY						
	LAKE POWELL						
	25 SEEPS	03	04	350	MET3,CHEM2, NUT3	TPO4, T-NO2NO3	25
Code	Parameter						
BACT6	BACT6						
	M.F. FECAL COLIFORM						
	M.F. TOTAL COLIFORM						
	BACTERIOLOGY TYPE 6						
MET3	MET3						
	D-Aluminum						
	D-Arsenic						
	D-Barium						
	D-Cadmium						
	D-Chromium						
	D-Copper						
	D-Iron						
	D-Lead						
	D-Manganese						
	D-Mercury						
	D-Selenium						
	D-Silver						
	D-Zinc						
	D-Calcium						
	D-Magnesium						
	D-Potassium						
	D-Sodium						
	METALS WTUs						
CHEM2	CHEM2						
	Bicarbonate						
	Carbonate						
	Carbonate Solids						
	Carbon Dioxide						
	Chemical Balance						
	Chloride						
	Hydroxide						
	pH						
	Specific Conductance						
	Sulfate						
	Total Alkalinity						
	Total Dissolved Solids						
	Total Hardness						
	Total Suspended Solids						
	Turbidity						
	Inorganic WTUs						
NUT9	NUT9						
	T.PHOSPHORUS						
	NO2+NO3 DISS						
	AMMONIA AS N DISS						
	DIS. TOT. PHOS						
	T.K.N.						
	TP04,NH3,DNO2NO3,D-TPHOS (NUTSPEC)						
	NUTRIENT TYPE 9						
	PHENOLICS						
NUT4	NUT4						
	AMMONIA AS N DISS						
	T.PHOSPHORUS						
	NO2+NO3 DISS						
	NUTRIENT TYPE 4						
MET2	MET2						
	T-ARSENIC						
	T-BARIUM						
	T-CADMIUM						
	T-CHROMIUM						
	T-COPPER						

Table 8. Cooperative Monitoring Surveys

STORET No.	Site Description	Source Code	Sample Type	Cost Code	Suite of Parameters	Additional Parameters	No. of Surveys
	T-IRON						
	T-LEAD						
	T-MANGANESE						
	T-MERCURY						
	T-NICKEL						
	T-SELENIUM						
	T-SILVER						
	T-ZINC						
	METALS TYPE 2						
	T. PHOSPHORUS						
	T-NO2NO3						