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Utah's 2004 303(d) List of Impaired Waters

Castle Valley Utah

Department of Environmental Quality
Division of Water Quality

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Utah's 2004 303(d) List of Waters

April 1, 2004

Department of Environmental Quality
Division of Water Quality

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Submitted in fulfillment of Section 303(d)
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Department of Environmental Quality
Division of Water Quality
288 North 1460 West
P.O. Box 144870
Salt Lake City, Utah 84114-4870

I. INTRODUCTION

Pursuant to Section 303(d) of the Clean Water Act as amended, each State is required to identify those **assessment units (AUs)** for which existing pollution controls are not stringent enough to implement state water quality standards. Thus, those waters or **assessment units** (i.e., lakes, reservoirs, rivers, and streams) that are not currently achieving or are not expected to achieve those standards are identified as water quality limited. An assessment unit is considered water quality limited when it is known that its water quality does not meet applicable water quality standards or is not expected to meet applicable water quality standards. Assessment units can be water quality limited due to point sources of pollutants, nonpoint sources of pollutants or both. Examples of pollutants that can cause beneficial use impairment include chemicals for which there are numeric standards (e.g., ammonia, chlorine, organic compounds and trace elements), and pathogens.

Once an AU is identified as water quality limited, the State is to determine the source(s) of the water quality problem and to allocate the responsibility for controlling the pollution. This analysis which the State does to determine the reduction in pollutant loading necessary for that AU to meet water quality standards and support its beneficial uses is called a Total Maximum Daily Load analysis or "TMDL". The result of this process determines (1) the amount of a specific pollutant that an assessment unit can receive without exceeding a water quality standard or impair a beneficial use, (2) the apportionment of the load to point and nonpoint sources, and (3) a margin of safety. While the term TMDL implies that loading capacity is determined on a daily time scale, TMDLs can range from meeting an instantaneous concentration (e.g., an acute standard) to computing an acceptable annual phosphorus load for a lake or reservoir.

When the State prepares its 303(d) list, it is required to prioritize its assessment units for TMDL development and to identify those AUs that will be targeted for TMDL development within the next two years.

In previous 303(d) lists, the State has identified only those waters needing TMDLs and has removed AUs that had approved TMDLs from the list. For the 2004, 305(b) report and the 303(d) list, the State has adopted the five-part integrated list for reporting the status of the State's water (EPA, 2004). One major change to the 305(b) report includes the reporting of AUs that have completed and EPA approved TMDLs. The other major change is that only "pollutants" are required to have TMDLs developed. Water quality impairments caused by pollution, i.e. habitat alteration, flow alteration, will be listed in a separate category from pollutants as causing impairment, but a TMDL is not required for this type of

impairment. The State will continue to add and delete AUs from the the 303(d) list by moving them to the correct category according to the procedures outlined in this document. An overview of the five categories and a decision flow diagram are provided later in this report.

The 303(d) list is a dynamic list in which AUs can be added (i.e. new permits are issued, new assessments are made) or removed (i.e. water quality standards are now being met). Information supporting Utah's TMDL list is provided in the subsequent sections of this document. At a minimum, a state's supporting information should include: 1) a description of the methodology used to develop the list; 2) a description of the data and information used to develop the list; 3) the rationale for any decision to not use any information or the rationale for removing AUs previously listed as water quality limited; and 4) a summary of comments received on the list during the state's public comment period. Following an opportunity for public review and comment the State must submit its list to the EPA Regional Administrator by April 1, 2004. The EPA Regional Administrator then has 30 days to approve, conditionally approve, or disapprove a state's listing. If the EPA Regional Administrator disapproves a stat's submittal, EPA then has 30 days to develop a list for the state.

II. ASSESSMENT UNIT DELINEATION AND IDENTIFICATION.

To assess waters of the State, the Division of Water Quality (DWQ) has delineated lakes, reservoirs, streams, and rivers into discrete units called assessment units (AUs). Lakes and reservoirs have been delineated as individual AUs and the size is reported in acres. Rivers and streams have been delineated by specific river, river or stream reach, or several stream reaches in sub-watersheds. When using sub-watersheds to delineate stream AUs, the new U.S.G.S. 5th (10 digit) and 6th (12 digit) level watershed units for Utah were used to delineate the AUs. These watershed units allow for the aggregation of stream reaches into individual AUs that are hydrologically defined. The watershed units were developed by a group of individuals representing state and federal agencies, and have been certified by the Natural Resource Conservation Service. In delineating river and stream AUs, DWQ followed the guidelines listed below with the first two guideline statements being fixed rules.

1. Each AU is within an eight-digit USGS hydrologic unit (HUC).

2. Each river and stream AU was comprised of stream reaches having the same water quality standards classifications (2B, 1C, 3A, and 4 or 2B, 3B, and 4).

3. Large rivers such as the Green River, Colorado River and portions of other large rivers (Bear River, Weber River, etc), were delineated into "linear" or "ribbon" AUs. Where a major tributary entered these rivers or hydrological features such as dams exist, the river was further delineated into two or more AUs.

4. Tributary rivers and streams were delineated primarily using the 5th and 6th level hydrologic units to define the AUs.

5. Additional AUs were defined by combining or splitting 5th or 6th level watersheds using tributary streams, stream size, and ecological changes such as geology, vegetation, or land use.

6. Small tributary streams to larger streams that could not be incorporated into a watershed unit were combined into separate unique AUs.

These AUs units have been geo-referenced (indexed) to the National Hydrologic Database using a reach-indexing tool that provides the capability of using GIS techniques to display information and data for each AU. Beneficial use classifications and assessments for individual AUs can be mapped or displayed to provide visual representation of assessment results. Individual stream AUs were assigned a unique identification code for indexing which includes the 8-digit hydrological unit (HUC) number with the prefix UT and a 3-digit code to identify each unique AU in a HUC. Lake and reservoir AUs were identified by adding the prefix UT-L- to the 8-digit HUC number and adding a 3-digit code.

Figure 1 illustrates the results of using the above guidelines to delineate and identify AUs. The Weber River was delineated as a linear AU from its confluence with Chalk Creek upstream to the Wanship Dam (UT16020101-017). One AU, UT16020101-011, in the Chalk Creek watershed was delineated by combining two 5th level watershed units located in the South Fork Chalk Creek sub-basin. The first AU (UT16020101-010) in the Chalk Creek watershed was delineated using the confluence of the South Fork as the upstream point. This necessitated splitting the 5th level watershed unit into two segments. An example of small tributary streams that could not be combined into a hydrological based AU is illustrated by the AU, UT16020101-019. These are very small tributaries and the Weber River is not reflective of their stream order or the habitat that they flow through. Rockport Reservoir (UT-L-16020101-002) and Echo Reservoir (UT16020101-001) are examples of lake and reservoir AUs.

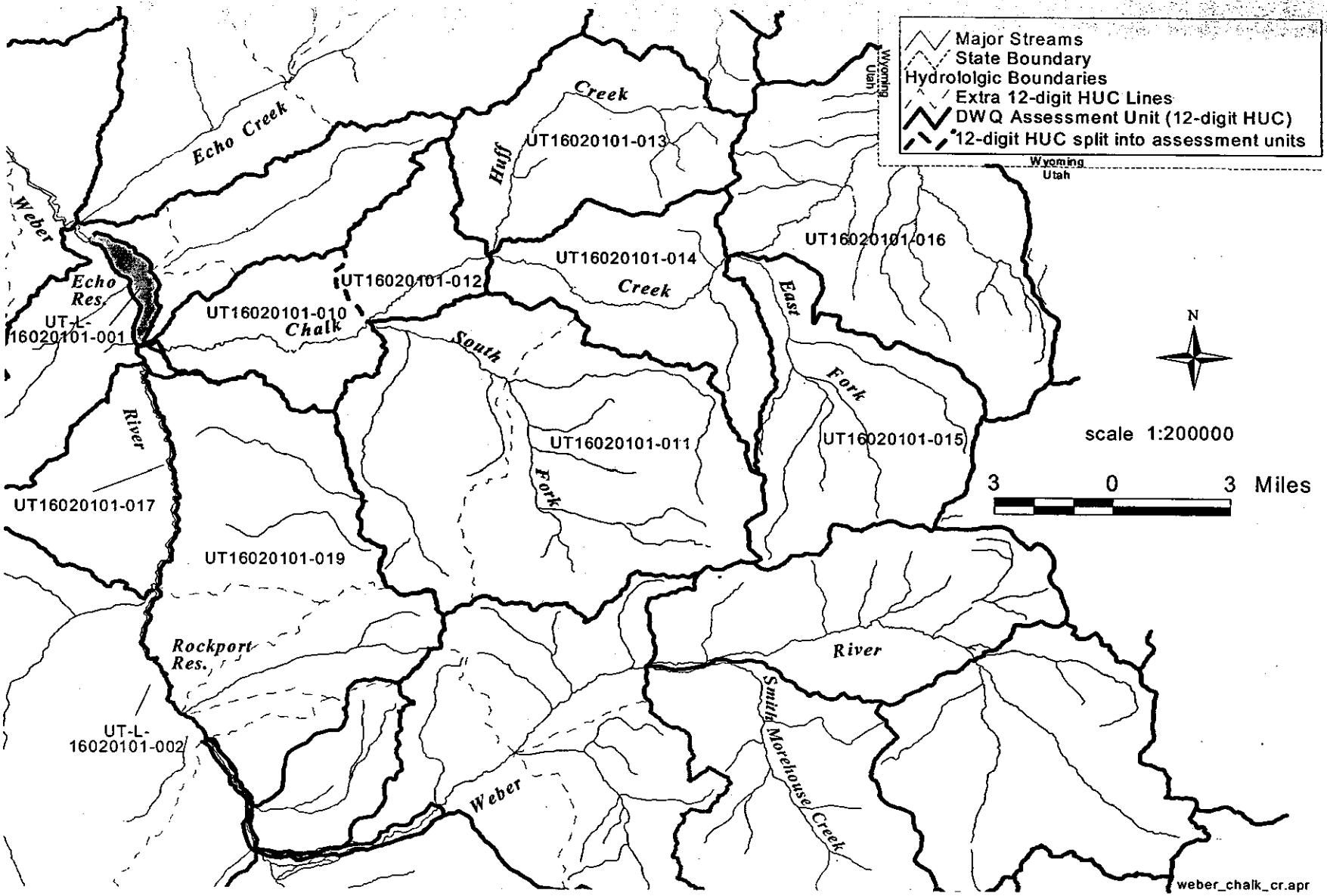

Figure 1. Delineation of Assessment Units Following Established Guidelines

III. Category Definitions for Listing Assessment Units.

In previous 305(b) reports and 303(d) lists, three designated use determinations were used to indicate beneficial use support: Fully Supporting, Partially Supporting and Non Supporting. For this reporting cycle, assessment units (AUs) will be placed in one of five attainment categories with sub-categories as needed (USEPA, 2004). The methodology for determining whether or not an AU is meeting water quality standards or fully supporting its designated beneficial uses is discussed in Section II. For those AUs for which there are no reliable data, either monitored or evaluated, for a specific designated beneficial use, a designation of Not Assessed for that specific beneficial use shall be assigned. For those AUs for which there are no reliable data, either monitored or evaluated, for all criteria for all applicable designated uses, a designation of **Not Assessed** will be assigned to all the designated beneficial uses for that AU.

The determination of use support using methods described in section IIand other specified protocols will be combined to determine the overall water quality standard attainment category for each AU. The unique assessment categories are described as follows (see Figure 1 also):

1. All designated uses are attained. AUs are listed in this category if there are data and information that meet all requirements of the assessment and listing methodology and support a determination of full support for all of an AU's designated beneficial uses.

2. Some of the designated uses are attained, but here is insufficient data to determine beneficial use support for the remaining designated uses. AUs are listed in this category if there are data and information that meet requirements of the assessment and listing methodology to support a determination that some, but not all, uses are attained. Attainment status of the remaining uses is unknown because there is insufficient or no data to assess beneficial use support.

3. Insufficient or no data and information to determine if any designated use is attained. AUs are listed in this category where data or information is not sufficient or does not exist to determine whether any beneficial use is attained following the requirements of the assessment and listing methodology.

4. Impaired for one or more designated uses, but does not require development of a TMDL.

A. TMDL has been completed for all pollutants. AUs are listed in this sub-category once all TMDL(s) have been developed and approved by EPA, that when implemented, are expected to result in full support of the water quality standards or support the designated beneficial uses. Where more than one pollutant is associated with the impairment of an AU, the AU remains in Category 5A for those pollutants that still need a TMDL. The completed TMDLs will be placed in Category 5B, some TMDLs completed for the AU, but some remain to be completed and approved by EPA.

B. Other pollution control requirements are reasonably expected to result in attainment of the water quality standard in the near future. Consistent with the regulation under 40 CFR, 130.7(b)(I),(ii), and (iii), AUs are listed in this subcategory where other pollution control requirements (e.g., best management practices) required by local, state, or federal authority are stringent enough to meet any water quality standard or support any beneficial use applicable to such waters.

C. The impairment is not caused by a pollutant. Assessment units are listed in this subcategory if the impairment is not caused by a pollutant (e.g., habitat alteration).

5. The water quality standard is not attained and is caused by a pollutant. The AU is found not supporting one or more of its designated beneficial uses as determined by current water quality standards and assessment methodologies. **This category constitutes the Section 303(d) list of waters.** Category 5 is further delineated into the following sub-categories.

A. A TMDL is underway or scheduled [303(d) list]. AUs are listed in this category if the AU is impaired for one or more designated uses by a pollutant. Where more than one pollutant is associated with the impairment of a single AU, the AU remains in Category 5A for the pollutant(s) for which a TMDL has not been completed and approved by EPA.

B. Some but not all TMDLs have been completed, water quality standards are now being met, new delineation of assessment unit, changes in beneficial use classification result in meeting standards, change in listing methods results in meeting beneficial uses, awaiting approval letter from EPA for UPDES permit TMDLs, or change in water quality standards: AUs are listed in this category to identify those pollutants for which a TMDL has been approved, but TMDLs are still required for other pollutants identified for the AU. If the most recent water quality assessment indicates that water quality standards are being met, the AU is listed in this sub-category also. Errors in previous assessments or a new delineation of an assessment unit is the cause for meeting water quality standards, the AU is included in this sub-category. If a change in the water quality standards was made and it results in the AU meeting the standard, the AU is listed in this category. UPDES permit renewals for which a letter of approval has not been received were placed in this category.

C. A Utah Pollutant Discharge Elimination System permit renewal TMDL is scheduled to determine discharge limitations that will meet water quality standards or protect designated beneficial uses. Parameters listed with UPDES Permit Renewal TMDLs are effluent limited and the receiving water is not impaired and does not violate water quality standards. Water quality standards may be violated and water quantity impaired if the permitted effluent limits are not met. Assessment units are listed in this category if there is a discharge permit renewal scheduled between April 1, 2004 to March 31, 2006.

D. A Lake or Reservoir has been assessed as not meeting standards for one monitoring cycle. The assessment has identified impairment during one of the even or odd year monitoring cycles. If the AU is assessed as impaired during the next assessment period, it will be listed in Category 5A, TMDL required.

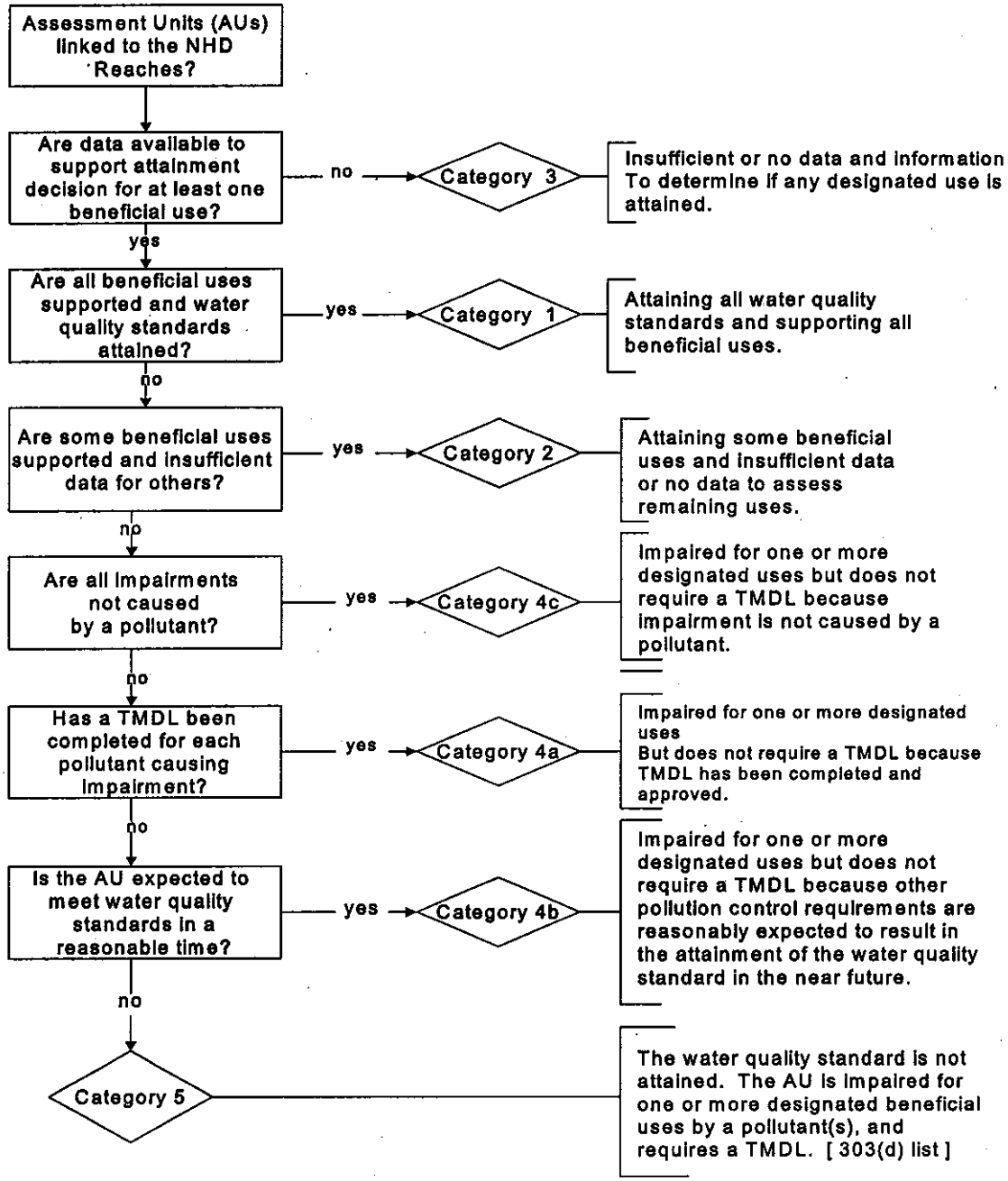

Figure 2. Decision criteria for attainment categories (USEPA, 2004). Category 5 is further divided into categories 5A [303(d) list], 5B, 5C [UPDES permit renewal TMDLs] and 5D.

The five categories of reporting were developed by EPA to provide a clearer summary of a state's water quality status and to assist in developing management actions to protect and restore waters of the state to meet water quality standards and support beneficial uses.

II. METHODOLOGY FOR DEVELOPING THE 303(d) LIST

The purpose of this section is to describe the methods and decision-making process used to identify and list water quality limited assessment units needing TMDLs, as well as the criteria used to de-list assessment units previously identified in any of the State's previous TMDL lists.

A. Division of Water Quality Programs Involved In Identifying Impaired Waters.

1. Utah Pollutant Discharge Elimination System Program (UPDES) - Any receiving AU (lake, reservoir, river, stream) on which a facility is located that requires a Utah Pollutant Discharge Elimination System discharge permit renewal between April 1, 2004 and March 31, 2006 for pollutants that are not controlled through technology-based requirements or end-of-pipe requirements was listed. The assessment units identified and associated with the UPDES permit dischargers are water quality limited, which means a TMDL is needed to determine proper water quality-based limits to assure water quality standards are maintained or attained. **Listing of permittees and pollutants doesn't imply that the receiving water is currently violating any of the State's water quality standards.** Total Maximum Daily Load Analyses are calculated to determine the degree of treatment that must be performed before the effluent can be discharged to assure the receiving water quality and its beneficial use designations are maintained.

2. Lake Water Quality Assessment and Clean Lakes Programs (314) - Any lake or reservoir identified as partially supporting or not supporting one or more of its beneficial uses through either one of these programs was evaluated for listing.

3. Stream Water Quality Assessment and Nonpoint Source Programs (319) - Any stream or stream segment identified as partially supporting or not supporting one or more of its beneficial uses through either one of these programs was evaluated for listing.

4. Cooperative Monitoring Program - The Division of Water Quality has Memorandums of Agreement with the U.S. Forest Service and U.S. Bureau of Land Management to cooperate in the monitoring of the waters of the State. Agreements have also been made with other entities to monitor and collect data to be used in assessing waters for preparation of the 303(d) list. Any AU identified using data from the cooperative monitoring program as not meeting its beneficial uses was evaluated for listing.

B. Criteria for Listing Assessment units on 303(d) List.

As stated above, assessment units with permit renewals between April 1, 2004 and March 31, 2006 were listed for pollutants that are not controlled through technology-based requirements or end-of-pipe requirements.

Beneficial use support was determined by comparing data against the standards and indicators for the designated beneficial uses listed in Table 1. Narrative standards were also used to determine beneficial use support.

Table 1. Designated Beneficial Uses for River Streams, Lakes, and Reservoirs,	
Class	**Definition**
1	Protected for use as a raw water source for domestic water systems.
1C	Protected for domestic purposes with prior treatment by treatment processes as required by the Utah Division of Drinking Water.
2	Protected for recreational use and aesthetics.
2A	Protected for primary contact recreation such as swimming.
2B	Protected for secondary contact recreation such as boating, wading, or similar uses.
3	Protected for use by aquatic wildlife.
3A	Protected for cold water species of game fish and other cold water aquatic life, including the necessary aquatic organisms in their food chain.
3B	Protected for warm water species of game fish and other warm water aquatic life, including the necessary aquatic organisms in their food chain.
3C	Protected for nongame fish and other aquatic life, including he necessary aquatic organisms in their food chain.
3D	Protected for waterfowl, shore birds and other water-oriented wildlife not included in Classes 3A, 3B, or 3C, including the necessary aquatic organisms in their food chain.
3E	Severely habitat-limited waters. Narrative standards will be applied to protect these waters for aquatic wildlife.
4	Protected for agricultural uses including irrigation of crops and stock watering.
5	The Great Salt Lake. Protected for primary and secondary contact recreation, aquatic wildlife, and mineral extraction.

Tables 2 through 6 are the listing criteria used to compare data against standards and pollution indicators found in *Standards of Quality for Waters of the State, R317-2, Utah Administrative Code (DEQ, 2001)* to determine beneficial use support of assessment units that are not listed because of a UPDES discharge permit renewal. For lakes and reservoirs, the same criteria are used with the exception of the tables for conventional parameters; pH, dissolved oxygen and temperature; for 3A (cold water game fish), 3B (warm water game fish) and 3C (warm water non-game fish). Additional criteria for determining beneficial use support for lakes and reservoirs are explained in the last part of this section. The total

phosphorus method for identifying waters as needing further study is not applied to lakes and reservoirs or large rivers such as the Green River and Colorado River.

The State of Utah exercises discretion in using data or information that goes beyond the criteria listed in the following tables and/or narrative for listing assessment units and can include other types of information and best professional judgment.

Table 2. Criteria for Assessing Water as a Source of Drinking Water-Class 1C

Degree of Use Support	Field Monitoring (Toxicants)	Restrictions
Full	For any one pollutant, no more than one violation of criterion.	No source water closures or advisories
Partial	For any one pollutant, two or more violations of the criterion, but violations occurred in ≤10% of the samples.	One or more drinking water source advisories lasting less than 30 days per year.
Non	For any one pollutant, two or more violations of the criterion, and violations occurred in more than 10% of the samples.	One or more drinking water source advisories lasting greater than 30 days.

Table 3. Criteria for Assessing Primary and Secondary Contact Beneficial Use - Class 2A and 2B

Degree of Use Support	Restrictions	Fecal Coliform Bacteria
Full	No bathing area closures or restrictions in effect during reporting period.	Criterion 1 and Criterion 2 met.
Partial	On average, one bathing area closure per year of less than one week's duration.	Geometric mean met; not more than 25 percent of samples exceed 400 per 100 ml.
Non	On average, one bathing area closure per year of greater than one week's duration, or more than one bathing area closure per year.	Neither geometric mean nor maximum criteria limits achieved.

Bacterial Criterion

Criterion 1 = The geometric mean should not exceed 200 per 100 mL for any 30-day period. At least 5 samples should be collected in any 30-day period to be used in an assessment. The State prefers that at least 10 samples be collected during any 30-day period. When less than ten samples are collected, the State will look at historical data if available and/or other information before determining beneficial use support.

Criterion 2 = Not more than 10 percent of the total samples taken during any 30-day period should have fecal coliform density that exceeds 400 per 100 mL. At least 5 samples should be collected in any 30-day period to be used in an assessment. The State prefers that at least 10 samples be collected during any 30-day period. For less than ten samples, there must be at least two samples that exceed the criterion and the State will look at historical data if available and/or other information before determining beneficial use support.

Table 4. Criteria for Assessing Aquatic Life Beneficial Use Support – Classes 3A, 3B, 3C, 3D	
Degree of Use Support	**Conventional Parameters (pH, DO, Temperature)**
Full	For any one pollutant, criterion was exceed only once or was not exceeded in < 10% of the samples if the criterion was exceeded at least two times.
Partial	For any one pollutant, criterion was exceeded two times, and criterion was exceeded in more than 10% but not more than 25% of the samples.
Non	For any one pollutant, criterion was exceeded two times, and criterion was exceeded in more than 25% of the samples.

Table 5. Toxic Parameters (priority pollutants, chlorine, and ammonia			
Criteria	**Number of Samples**	**Degree of Support**	
Acute	4 or more	Full	For any one pollutant, no more than one violation of acute criteria.
		Partial	For any one pollutant, two or more violations of the acute criterion, but violations occurred in ≤10% of the samples.
		Non	For any one pollutant, two or more violations of the acute criterion, and violations occurred in more than 10% of the samples.
Chronic	10 or more	Full	Criterion is multiplied by the precision of the laboratory method and this result is added to the criterion to obtain the assessment value. For any one pollutant, the assessment value was exceeded in > 40% of the samples.
	Less than 10	Non	Criterion is multiplied by the precision of the laboratory method and this result is added to the criterion. This value is then multiplied by 1.5 to obtain the assessment value. For any one pollutant, the assessment value was exceeded in > 40% of the samples.

Table 6. Criteria for assessing Agricultural Beneficial Use Support - Class 4		
Degree of Use Support	**Conventional Parameter (Total Dissolved Solids)**	**Toxic Parameters**
Full	Criterion exceeded in less than two samples or was exceeded in < 10% of the samples when the criterion was exceeded at least twice.	For any one pollutant, no more than one violation of criterion.
Partial	Criterion was exceeded at least two times, and criterion was exceeded in more than 10% but not more than 25% of the samples.	For any one pollutant, two or more violations of the criterion, but violations occurred in ≤10% of the samples.
Non	Criterion was exceeded at least two times, and criterion was exceeded in more than 25% of the samples.	For any one pollutant, two or more violations of the criterion, and violations occurred in more than 10% of the samples.

C. Additional Criteria for Listing Lakes and Reservoirs.

The criteria for listing lakes and reservoirs under Class 1C (source of drinking water), 2A(recreation), and Class 4 (agricultural use) are the same as listed in Tables 2, 3, and 6. Several factors were considered in the assessment for beneficial use support. The monitoring program for lakes and reservoirs is designed to determine a basic water quality characterization and evaluate the productivity during the summer period. Additional winter monitoring is conducted to evaluate dissolved oxygen deficiencies as indicated by the summer monitoring. Water quality standards are evaluated to assess impairment for waters classified in Classes 2 (recreation), 3(aquatic life), and 4 (agriculture).

The following procedure was used to evaluate Class 3 (aquatic life) beneficial use:

Three basic parameters that are compared to standards in addition to other specific parameters include dissolved oxygen, pH, and temperature. These basic parameters are obtained in the field as part of the overall monitoring program for Utah's lakes and reservoirs. The data for these three parameters are analyzed for the entire water column and evaluated according to current 305(b) guidelines. A comparison of water column values with State standards is determined as follows. For any one pollutant or stressor, criteria exceeded in less than or equal to 10 percent of measurements, a designation of fully supporting was assigned. For any one pollutant or stressor, criteria exceeded in greater than 10, but less than or equal to 25 percent of measurements, a designation of partially supporting was assigned. For any one pollutant or stressor, criteria exceeded in greater than 25 percent of measurements a designation of not supporting was assigned. An exception to these guidelines has been provided for dissolved oxygen. The dissolved oxygen criterion has been defined using the 1-day minimum dissolved oxygen concentration of 4.0 mg/l. State standards account for the fact that anoxic or low dissolved oxygen

conditions may exist in the bottom of deep reservoirs and therefore, the dissolved oxygen standard is applied as follows. When the concentration is above 4.0 mg/l for greater than 50% of the water column depth, a fully supporting status is assigned. When 25-50% of the water column is above 4.0 mg/l, it is designated as partial supporting and when less than 25% of the water column exceeds the 4.0 mg/l criteria, it is designated as not supporting its defined beneficial use. Having determined support status for individual pollutants or stressors, an overall use support designation was determined based on a combination of the individual pollutant or stressor support designations. A 'not supporting' status was assigned to a body of water when at least two of the basic criteria (dissolved oxygen, pH or temperature) were found to be not supportive. A 'fully supporting' status was assigned when all of the criteria were found to be fully supporting. All other assessment units were assigned a 'partially supporting' status for criteria found in the various remaining combinations. The initial support status may be modified through an evaluation of the trophic state index (TSI), winter dissolved oxygen conditions with reported fish kills, and the presence of significant blue green algal populations in the phytoplankton community. This evaluation, although based to an extent on professional judgment, could shift initial support status ranking downward if two of the three criteria indicate there is was impairment in the water quality.

A final determination to list the AU is made through an evaluation of assessment trends since 1989. It is necessary to incorporate such an evaluation to incorporate the hydrology and seasonality associated with lakes and reservoirs. In general, if an AU exhibits a consistent status of 'partial supporting' or 'not supporting', it should be listed on the 303(d) list. However, some assessment units appear to be borderline and there is a mixture of partially and fully supporting conditions over the period of study. Therefore, two consecutive evaluation cycles in any particular support status are required for addition to or removal from the 303(d) list.

D. Biological and Habitat Data - Biological and habitat data were used on a limited basis to supplement water chemistry data in determining beneficial use support. Phytoplankton data were used to assess lake and reservoir water quality.

E. Criteria for Removing Assessment Units from the Category 5A (303(d) List).

1. An AU was placed on list due to error in assessment or because an AU was listed incorrectly in place of another AU or any other error not based on water quality assessment.

2. The most recent data assessment indicates that the AU is supporting all of its designated beneficial uses.

3. A total maximum daily load analysis has been completed and approved by EPA.

4. An existing AU delineation has changed.

    a. An AU have been changed by dividing it into several assessment units.

    b. The AU boundaries have been changed and it is now a part of a different AU or portions of the AU are included in newly defined assessment units.

5. A change in the method(s) of determining beneficial use support. The methodology change would cause the assessment to indicate that all beneficial uses assessed are fully supported.

6. A change in State water quality standards or pollution indicator values.

A change in the standards or pollution indicators would change assessment to fully supporting all beneficial uses that have sufficient data to be assessed.

7. A determination that insufficient amounts of data were collected to place the AU on the list originally, e.g., too few samples collected to make a reliable determination of beneficial use support.

8. Utah exercises discretion in using data or information that goes beyond the criteria listed above in determining whether to de-list an AU and can include other types of information and best professional judgment.

III. DATA AND INFORMATION USED TO PREPARE 303(d) LIST

The state of Utah relied upon the following sources of data and information to prepare its 303(d) list.

A. Water Quality Assessments - Water quality assessments conducted as part of the Section 305(b) report form the basis for the State's TMDL list. As part of this assessment, the State uses a five-year rotating monitoring program to collect data and to assess the beneficial use support of its rivers and streams. The State has been divided into ten watershed management units (Figure 2) that have been aggregated into five monitoring regions (Table 7) for water quality monitoring purposes. Each region is monitored on an intensive basis once every five years.

The primary areas of assessment since the 2002 305(b) report were the Uinta, Sevier River, Cedar/Beaver, Colorado River West, Colorado River Southeast, and the Lower Colorado Watershed Management Units.

Other data collected on a yearly basis by the Division of Water Quality and other agencies were also used to assess water quality statewide. Assessments using chronic levels of metals were done statewide for this reporting cycle. Letters were sent to entities involved in collecting water quality data to solicitate data to be used in assessing waters of the state.

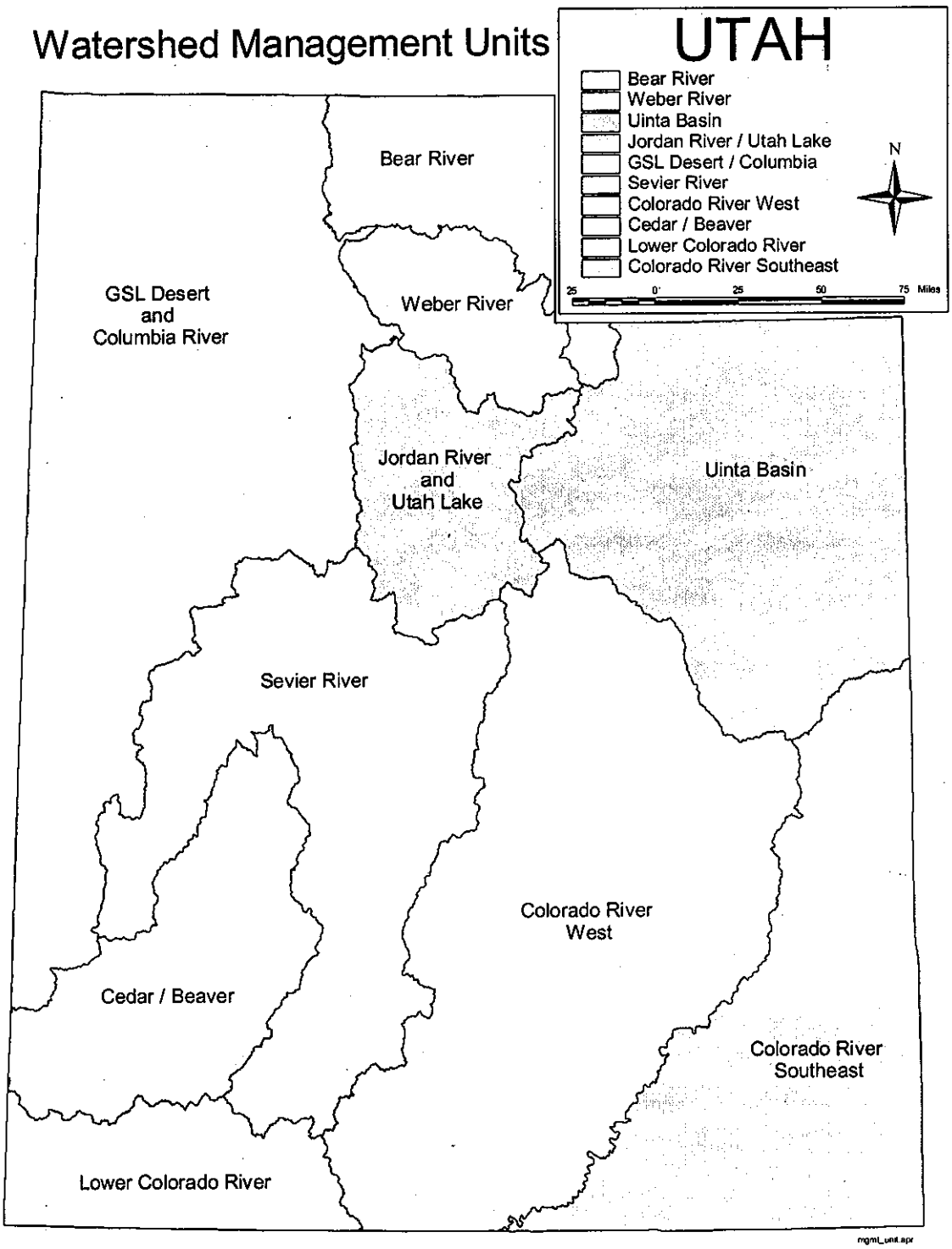

Figure 3. Utah's Watershed Management Units.

Beneficial use support designations were arrived at using chemical, physical, biological data and other information collected by the DWQ, Cooperating Agencies, and other entities involved in collecting data related to water quality. Federal and other public agencies involved with cooperative monitoring agreements or providing information used during this cycle to assess beneficial use support are listed below:

1. United States Forest Service
2. United States Bureau of Land Management
3. United States Park Service
4. Salt Lake City
5. United States National Park Service
6. Central Utah Water Conservancy District.
7. United States Bureau of Reclamation
8. United States Geological Survey
9. Utah Division of Solid and Hazardous Waste
10. Salt Lake County
12. Utah State Valley College

Bacteriological data collected by Salt Lake City were used to assess streams in the Jordan River watershed. Bacteriological data provided by Salt Lake County were used to assess Emigration Creek in the Jordan River watershed.

Physical and water chemistry data collected by the U. S. Geological Survey (U.S.G.S.) as part of the Great Salt Lake River Basins NAWQUA study and from other monitoring sites throughout the state were used to assess beneficial use support.

Benthic macroinvertebrate data collected by the Division of Water Quality and the National Aquatic Monitoring Center at Utah State were used to assess several waters within the State. The results of Dr. Lawrence J. Gray's (Utah Valley State College) benthic macroinvertebrate study of Soldier Creek and Thistle Creek were used to supplement water chemistry data collected on these two streams.

Table 7. Water Quality Monitoring Regions.	
Region	Management Unit
1	Bear River, Weber River, Great Salt Lake Desert/Columbia (northern portion of the GSL Desert)
2	Jordan River, Great Salt Lake Desert (southern portion of Great Salt Lake)
3	Uinta
4	Sevier River, Cedar/Beaver, Lower Colorado
5	Colorado River West, Southeast Colorado River

B. Dilution Equations - Dilution equations were used to develop waste load allocations for the UPDES discharge permit TMDLs to determine acceptable effluent discharge limits that would attain water quality standards and protect the receiving water from having its beneficial uses impaired.

C. Reports - Reports published by other government entities were used to determine beneficial use support. These included the Aquatic Resources Technical Report for the Central Utah Conservancy District's Upalco Unit Replacement Project and Uinta Replacement Project Report. As previously mentioned, cooperative monitoring programs with other governmental agencies were used to enhance the assessment capabilities of the State. In addition, technical advisory committees were established in several watersheds and they assisted in the assessment and reviewed reports that were prepared by the Division of Water Quality. These advisory committees include representatives from federal, state, county, and private groups.

D. Nonpoint Sources Assessments - Nonpoint source assessments that have identified impaired waters were used to list waters. These assessments were done by various agencies including the Division of Water Quality and the U.S. National Resource Conservation Service. Nonpoint Source Project Implementation Plans were reviewed to identify problems and list impacts.

IV. PUBLIC PARTICIPATION

Public participation in developing the list was primarily in the form of technical advisory and steering committees that consisted of other State agencies, Federal agencies, and individuals or groups from the private sector. Some committees actively participated in preparing the list while presentations of the assessments were given to others. Comments by the groups were then reviewed to assist in preparing the list.

A. Public Notices.

The Division of Water Quality issued two public notices pertaining to the development of the 303(d) list. A public notice of request for submission of data to be used in assessing waters of the state for the 2004 305(b) report and the 303(d) list of impaired waters was published in the Salt Lake Tribune and the

Deseret News. Included in the notice was a deadline, July 3, 2003, for submission of data to ensure that it would be used during the preparation of the 2004 305(b) report and 303(d) list.

Notice of the proposed list of 303(d) waters was published in the Salt Lake Tribune and the Deseret News on January 17-18, 2004. In addition, the draft 303(d) list was placed on the Division of Water Quality's website for access by the public. The Division's responses to any comments were submitted with the list.

B. Steering, Technical Advisory, and Watershed Committees

1. Bear River Watershed

   a. Bear River Basin Water Quality Task Force
   b. Cub River Steering and Technical Advisory Committees

2. Jordan River Watershed Management Unit

   a. Jordanelle Technical Advisory Committee
   b. Little Cottonwood Creek Watershed Group
   c. Spanish Fork River Steering and Technical Advisory Committees

3. Cedar/Beaver Watershed Management Unit

   Beaver River Technical Advisory Committee

4. Lower Colorado Watershed Management Unit

   Virgin River Watershed Advisory Committee

5. Sevier River Watershed Management Unit

   a. Sevier River Steering and Technical Advisory Committees
   b. Upper Sevier River Technical Advisory Committee
   c. San Pitch River Watershed Stewardship Group

6. Uinta Watershed Management Unit

   a. Ashley Creek Advisory Committee
   b. Duchesne-Strawberry Advisory Committee
   c. Uinta Water Advisory Committee

7. Weber River Watershed Management Unit

   a. East Canyon Water Quality Advisory Committee
   b. Lower East Canyon Watershed Committee
   d. Chalk Creek Watershed Committee

e. Echo Creek Watershed Committee
f. Upper Silver Creek Watershed Stakeholder Group
g. Ogden Valley Watershed Committee

8. Colorado River West Watershed Management Unit

a. Price-San Rafael Steering and Technical Advisory Committees
b. Fremont River Steering and Technical Advisory Committees

V. PRIORITIZATION OF TMDL ASSESSMENT UNITS

The following criteria were used to prioritize TMDL Waters:

A. Severity of pollution and beneficial uses of waters (includes waste load allocations under (UPDES program).

UPDES permit renewal TMDLs received a high priority because many of the industrial permits required effluent limits on parameters that could be toxic to aquatic life as well as a danger to human health. In addition, the volume of the effluent discharged by the permittee can be a major component of the flow after the point of discharge. Severity of pollution is also used in determining the priority of nonpoint source TMDLs.

B. Programmatic needs regarding UPDES permitting.

Utah's UPDES program is based upon a five-year permit renewal cycle. Permit renewals have been set up so that the number of permit renewals each year during the five-year cycle are approximately equal. Because of this, the UPDES permit TMDLs are given a high priority so that the TMDL can be completed in time for the permit to be renewed because of the statutory requirements for permits to be issued.

C. Basin Planning Cycles.

The Division of Water Quality has currently divided the state into ten watershed management units. These units were combined to create five monitoring regions or units that are sampled intensively once every five years. This schedule allows the state to monitor a majority of the perennial streams state-wide to identify those waters that are not meeting beneficial uses. A key component of the Division's water quality management process is to complete priority TMDLs in each of these watersheds during the five-year cycle. This process will allow the Division to revise and update its water quality assessment, report completed TMDLs for impaired waters and document improvement in water quality as TMDLs are implemented.

D. On-going Activities Within the Watershed.

The Division uses water quality related projects and activities that are on going in a watershed to prioritize its TMDL assessment units. The Division has cooperated with various entities to implement TMDL work and water quality management plans throughout the state and will continue to do so. This cooperation provides additional funding and staff for water quality related assessments and improvements. The Division has and will continue to work with the Division of Water Resources to coordinate work when that Division produces its state water plans for each basin.

E. Economic and Social Impact on Communities, Businesses, and Citizens.

Economic and social impact on different sectors of the public are used to help prioritize TMDLs. The need to develop a TMDL to allocate discharges of water quality parameters to prevent the closure of industries or create undo burdens on communities and individuals is used in developing TMDL priorities.

F. Degree of Public Interest, Support, and Resource Importance.

This information is also used to assist in prioritizing TMDL assessment units. Public interest has played a significant role in developing TMDLs in various watersheds. Some examples of completed and new TMDL development where public interest as well as other parties was used as a ranking criteria to list assessment units high on the list for TMDL completion were Uinta River (Duchesne County), East Canyon Creek (Summit County), Fremont River (Wayne County) and Spring Creek (Cache County).

VI. PROPOSED SCHEDULE FOR COMPLETION OF TMDLs

A TMDL is basically defined as the amount of a pollutant that must be removed from an AU in order that water quality standards may be achieved in those areas where the standards are exceeded or beneficial uses are impaired. Impairments caused by "pollution", i.e. habitat alteration, flow alteration, were listed in Category 4C, but TMDLs are not required. Pollutants requiring a TMDL were listed in Category 5A.

A. Components of a TMDL.

1. A description of the water quality standards applicable for the area in question. This includes beneficial uses, narrative standards, numeric criteria and the anti-degradation policy and procedure;

2. A quantifiable endpoint that an AU needs to achieve, e.g., total permitted lbs. per day of a certain parameter, or other appropriate endpoints such as temperature, etc.;

3. A quantified pollution reduction target. e.g., the total lbs. per day that needs to be reduced, or other appropriate indicators such as percent removal of pollutant;

4. All significant sources of the "stressor" must be identified or accounted for in some manner;

5. There must be an appropriate level of technical analysis;

6. The Clean Water Act requires a margin of safety;

7. An apportion of responsibility for taking actions, e.g., who is causing what and how many lbs. per day of a pollutant is this land owner or entity responsible for, and lastly;

8. There must be some level of public involvement or review.

B. Number of TMDLs scheduled to be completed during the 2004-2006cycle.

TMDLs that are scheduled to be completed from April 1, 2004 to March 31, 2006 are listed in Tables 8, 9, and 13. They are identified as having a "High" priority and "Yes" in the TMDL scheduled column.

VII. TMDL LIST FOR 2004

A. Background

As previously stated, the areas assessed since the 2002 report were the Uinta, Cedar/Beaver, Colorado River Southeast, Colorado River West, Lower Colorado River, Jordan River and the Sevier River Watershed Management Units. The tables include the Category 5A listings for rivers and streams, lakes and reservoirs, and Category 5C listings for UPDES permit renewals.

B. Utah's 2004 303(d) List of Waters

1. **Category 5A** - TMDL Required, River and Stream Segments (Table 8), Lakes and Reservoirs (Table8).

2. **Category 5B** – Assessment units having some TMDLs completed, water quality standards are now being met, new delineation of AU, changes in beneficial use classification, change in listing methods, awaiting approval letter from EPA, or change in water quality standards: Streams (Table 10); Lakes (Table 11); completed, but not approved UPDES permit TMDLs from previous 303(d) lists (Table 12).

3. **Category 5C** – *UPDES Permit Renewal TMDLs for 2004-2006 cycle (Table 13).*

4. **Category 5D** – Lakes Not Fully Supporting Beneficial Uses for 2004 That Will Not be Listed as Category 5A (requiring a TMDL) Until Two Consecutive Assessment Cycles Demonstrate Impairment.

Stream AUs requiring TMDLs are displayed for each watershed management unit in

Figures 4-11. Lakes and reservoirs are presented in Figure 12. UPDES permit renewal TMDLs are displayed in Figure 13.

C. Number of TMDLs identified for the 2004 303(d) List.

The number of assessment units and UPDES permit TMDLs identified during this cycle are listed below:

Streams and Rivers: 72 assessment units, 92 constituents needing TMDLs.
Lakes and Reservoirs: 35 lakes and reservoirs, 60 constituents needing TMDLs.
UPDES Permits: 40 permits, 91 constituents.

D. Status of Total Maximum Daily Loads Scheduled for the 2002-2004 Cycle

Table 14 is a list of the status for rivers, stream, lakes and reservoirs TMDLs that were targeted for completion and submission by April 1, 2004. Assessment Units that were not targeted, but TMDLs were completed are also listed in this table. The UPDES permit TMDLs that were targeted to be completed by April 1, 2004 are listed in Table 15 and UPDES permit TMDLs that were targeted in 1998 and 2000 are listed in Table 16. This latter group of TMDLs are awaiting approval letters from EPA.

Table 8. Category 5A: River and Stream Assessment Units Requiring a TMDL									
Watershed Management Unit	Assessment Unit ID	Assessment Unit Name	Assessment Unit Description	Beneficial Use Class	Stream Miles	Beneficial Use Support	Pollutant	TMDL Priority	Targeted For TMDL 2004-2006
Bear River	UT16010101-006	Bear River-4	Bear River from Woodruff Creek to Utah-Wyoming border	3A	54.79	PS	Dissolved Oxygen	High	Yes
Bear River	UT16010101-009	Bear River-5	Bear River from Utah-Wyoming border to Woodruff Creek confluence	3A	11.84	PS	Dissolved Oxygen	High	Yes
Bear River	UT16010101-016	Saleratus Creek	Saleratus Creek and tributaries from confluence with Woodruff Creek to headwaters	3A	23.37	PS	Dissolved Oxygen	High	Yes
Colorado River Southeast	UT14010005-001	Colorado River-6	Colorado River from HUC 14010005/14030001 boundary to Colorado State Line	3B	3.3	NS	Selenium	Low	Sources outside of State Border
Colorado River Southeast	UT14030001-005	Colorado River-5	Colorado River from Dolores River confluence to HUC 14010005 boundary	3B	37.45	NS	Selenium	Low	Sources outside of State Border
Colorado River Southeast	UT14030004-001	Dolores River	Dolores River and tributaries (except Granite Creek) from confluence with Colorado River to headwaters	4	61.7	NS	Total Dissolved Solids	Low	No
Colorado River Southeast	UT14030005-009	Castle Creek	Castle Creek and tributaries from confluence with Colorado River to headwaters	4	11.88	PS	Total Dissolved Solids	Low	No
Colorado River West	UT14060007-006	Gordon Creek	Gordon Creek and tributaries from confluence w/Price River to headwaters	4	51.07	NS	Total Dissolved Solids	Low	No
Colorado River West	UT14060007-007	Price River-3	Price River and tributaries from Coal Creek confluence to Carbon Canal Diversion	4	16.66	PS	Total Dissolved Solids	Low	No
Colorado River West	UT14060007-014	Price River-4	Price River and tributaries from near Woodside to Soldier Creek confluence	4	68.08	NS	Total Dissolved Solids	Low	No
Colorado River West	UT14060007-015	Price River-5	Price River and tributaries from confluence w/Green River to near Woodside	4	24.53	NS	Total Dissolved Solids	Low	No
Colorado River West	UT14060009-004	Huntington Creek-2	Huntington Creek and tributaries from Highway 10 crossing to USFS boundary	4	15.76	NS	Total Dissolved Solids	Low	No
Colorado River West	UT14060009-010	Huntington Creek-1	Huntington Creek from confluence with San Rafael River to Highway 10	4	26.95	NS	Total Dissolved Solids	Low	No
Colorado River West	UT14060009-011	Lower Cottonwood Creek	Cottonwood Creek from cnfluance w/Huntington Creek to Highway 57	4	17.62	NS	Total Dissolved Solids	Low	No
Colorado River West	UT14060009-013	Upper San Rafael	San Rafael River from Buckhorn Crossing to	4	22.4	NS	Total Dissolved Solids	Low	No

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Table 8. Category 5A: River and Stream Assessment Units Requiring a TMDL									
Watershed Management Unit	Assessment Unit ID	Assessment Unit Name	Assessment Unit Description	Beneficial Use Class	Stream Miles	Beneficial Use Support	Pollutant	TMDL Priority	Targeted For TMDL 2004-2006
			confluence Huntington and Cottonwood Creeks						
Colorado River West	UT14060009-014	Lower San Rafael	San Rafael from confluence w/ Green River to Buckhorn Crossing	4	82.41	NS	Total Dissolved Solids	Low	No
Colorado River West	UT14070002-006	Middle Muddy	Muddy Creek and tributaries from Quitchipah Creek confluence to U-10 xing	4	20.62	NS	Total Dissolved Solids	Low	No
Colorado River West	UT14070002-007	Lower Quitchipah Creek	Quitchipah Creek from confluence of Ivie Cr. to U-10 xing	4	9.33	NS	Total Dissolved Solids	Low	No
Colorado River West	UT14070002-008	Lower Ivie Creek	Ivie Creek and tributaries from confluence w/Muddy River to U-10 highway	4	14.1	NS	Total Dissolved Solids	Low	No
Colorado River West	UT14070002-009	Lower Muddy Creek	Muddy Creek from confluence w/Freemont River to Ivie Creek confluence	4	75.87	NS	Total Dissolved Solids	Low	No
Colorado River West	UT14070005-012	Upper Escalante	Escalante River and some tributaries from Boulder Creek confluence to Birch Creek confluence	3A	26.86	PS	Temperature	High	Yes
Colorado River West	UT14070007-001	Paria River-1	Paria River from start of Paria River Gorge to headwaters	4	18.39	NS	Total Dissolved Solids	High	Yes
Colorado River West	UT14070007-005	Paria River-3	Paria River and tributaryies from Arizona-Utah Stateline to Cottonwood Creek confluence	4	12.09	NS	Total Dissolved Solids	High	Yes
Jordan River / Utah Lake	UT16020201-001	American Fork River-1	American Fork River and tributaries from Diversion at mouth of Canyon to Tibble Fork Res	2B,3A,4	14.00	PS	pH	Low	No
Jordan River / Utah Lake	UT16020201-003	Currant Creek	Current Creek from mouth of Goshen Canyon to Mona Reservoir	3A	7.60	PS	Temperature	Low	No
Jordan River / Utah Lake	UT16020202-012	Soldier Creek-1	Soldier Creek from confluence with Thistle Creek to confluence of Starvation Creek	3A	18.50	PS	Sediment	High	Yes
Jordan River / Utah Lake	UT16020202-012	Soldier Creek-1	Soldier Creek from confluence with Thistle Creek to confluence of Starvation Creek	3A	18.50	PS	Total Phosphorus	Low	No
Jordan River / Utah Lake	UT16020202-026	Spring Creek	Spring Creek and tributaries from confluence w/ Beer Creek to headwaters	3A	11.40	NS	Temperature	Low	No
Jordan River / Utah Lake	UT16020203-001	Provo River-1	Provo River from Utah Lake to Murdock Diversion	2B,3A,4	10.20	PS	pH	Low	No
Jordan River / Utah Lake	UT16020204-001	Jordan River-1	Jordan River from Farmington Bay	3C	6.10	NS	Dissolved Oxygen	Low	No

Table 8. Category 5A: River and Stream Assessment Units Requiring a TMDL									
Watershed Management Unit	Assessment Unit ID	Assessment Unit Name	Assessment Unit Description	Beneficial Use Class	Stream Miles	Beneficial Use Support	Pollutant	TMDL Priority	Targeted For TMDL 2004-2006
			upstsream 6.1 miles						
Jordan River / Utah Lake	UT16020204-001	Jordan River-1	Jordan River from Farmington Bay upstsream 6.1 miles	4	6.10	NS	Total Dissolved Solids	Low	No
Jordan River / Utah Lake	UT16020204-002	Jordan River-2	Jordan River from 6.3 miles upstream to North Temple	3B	4.50	PS	Dissolved Oxygen	Low	No
Jordan River / Utah Lake	UT16020204-007	Jordan River-7	Jordan River from Bluffdale to Narrows	3A	4.10	PS	Temperature	Low	No
Jordan River / Utah Lake	UT16020204-012	Emigration Creek	Emigration Creek and tributaries from Foothill BLVD to headwaters	2B	5.60	PS	Pathogens	Low	No
Lower Colorado	UT15010003-002	Kanab Creek-1	Kanab Creek and tributaries from state line to US 189 Crossing	4	6.90	NS	Total Dissolved Solids	Low	No
Lower Colorado	UT15010003-004	Johnson Wash-1	Johnson Wash and tributaries from stateline to Redwash confluence	4	11.80	PS	Total Dissolved Solids	Low	No
Lower Colorado	UT15010008-001	Santa Clara-1	Santa Clara River: from confluence w/Virgin River to Gunlock Reservoir	4	23.49	NS	Total Dissolved Solids	Low	No
Lower Colorado	UT15010008-002	Santa Clara-2	Santa Clara River and tributaries from Gunlock Reservoir to Baker Dam Resevoir (included Maogatsue Creek and tribs to USFS boundary.	3A	20.20	NS	Temperature	Low	No
Lower Colorado	UT15010008-004	Virgin River-2	Virgin River and tributaries from Santa Clara River confluence to Quail Creek diversion (excludes Quail Creek and Leads Creek)	4	40.12	NS	Total Dissolved Solids	Low	No
Lower Colorado	UT15010008-004	Virgin River-2	Virgin River and tributaries from Santa Clara River confluence to Quail Creek diversion (excludes Quail Creek and Leads Creek)	4	40.12	NS	Total Dissolved Solids	Low	No
Lower Colorado	UT15010008-014	North Creek	North Creek and tributaries from confluence with Virgin River to headwaters	4	32.02	NS	Total Dissolved Solids	Low	No
Lower Colorado	UT15010010-001	Virgin River-1	Virgin River from state line to Santa Clara Confluence	4	15.41	NS	Total Dissolved Solids	Low	No
Sevier River	UT16030001-005	Sevier River-3	Sevier River and tributaries from Circleville Irrigation Diversion to Horse Valley Diversion	3A	20.38	PS	Total Phosphorus	Low	No
Sevier River	UT16030001-005	Sevier River-3	Sevier River and tributaries from Circleville Irrigation Diversion to Horse Valley	3A	20.38	PS	Sediment	Low	No

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Table 8. Category 5A: River and Stream Assessment Units Requiring a TMDL									
Watershed Management Unit	Assessment Unit ID	Assessment Unit Name	Assessment Unit Description	Beneficial Use Class	Stream Miles	Beneficial Use Support	Pollutant	TMDL Priority	Targeted For TMDL 2004-2006
			Diversion						
Sevier River	UT16030001-007	Sevier River-2	Sevier River and tributaries from Horse Valley Bridge Diversion upstream to Long Canal excluding Panguitch Creek, Bear River Creek and their tributaries	3A	45.2	PS	Total Phosphorus	Low	No
Sevier River	UT16030001-007	Sevier River-2	Sevier River and tributaries from Horse Valley Bridge Diversion upstream to Long Canal excluding Panguitch Creek, Bear River Creek and their tributaries	3A	45.2	PS	Sediment	Low	No
Sevier River	UT16030001-012	Sevier River-1	Sevier River and tributaries from Long Canal to Mammouth Creek confluence	3A	27.12	PS	Total Phosphorus	Low	No
Sevier River	UT16030001-012	Sevier River-1	Sevier River and tributaries from Long Canal to Mammouth Creek confluence	3A	27.12	PS	Sediment	Low	No
Sevier River	UT16030002-005	East Fork Sevier-4	East Fork Sevier River and tributaries from confluence with Sevier River upstream to Antimony Creek confluence, excluding Otter Creek and tributaries.	3A	25.32	PS	Total Phosphorus	High	Yes
Sevier River	UT16030003-003	Salina Creek-1	Salina Creek and tributaries from confluence w/Sevier River to USFS boundary	4	4.15	NS	Total Dissolved Solids	Low	No
Sevier River	UT16030003-005	Lost Creek-1	Lost Creek and tributaries from confluence w/Sevier River upstream ~ 6 miles	4	5.7	NS	Total Dissolved Solids	Low	No
Sevier River	UT16030003-012	Sevier River-17	Sevier River from Yuba Dam upstream to confluence with Salina Creek	3B	43.64	PS	Total Phosphorus	Low	No
Sevier River	UT16030003-012	Sevier River-17	Sevier River from Yuba Dam upstream to confluence with Salina Creek		43.64	NS	Total Dissolved Solids	Low	No
Sevier River	UT16030003-012	Sevier River-17	Sevier River from Yuba Dam upstream to confluence with Salina Creek	3B	43.64	PS	Sediment	Low	No
Sevier River	UT16030003-027	Peterson Creek	Petersen Creek and tributaries from confluence with Sevier River to USFS boundary	4	8.5	NS	Total Dissolved Solids	Low	No
Sevier River	UT16030004-001	San Pitch-1	San Pitch River and tributaries from confluence w/Sevier River to tailwater of Gunnison Reservoir (excluding all of Six Mile Creek & Twelve Mile Creek above USFS boundary)	4	15.82	NS	Total Dissolved Solids	Low	No
Sevier River	UT16030004-005	San Pitch-3	San Pitch River and tributaries from	4	59.46	NS	Total Dissolved Solids	Low	No

Table 8. Category 5A: River and Stream Assessment Units Requiring a TMDL									
Watershed Management Unit	Assessment Unit ID	Assessment Unit Name	Assessment Unit Description	Beneficial Use Class	Stream Miles	Beneficial Use Support	Pollutant	TMDL Priority	Targeted For TMDL 2004-2006
			Gunnison Reservoir to U132 crossing below USFS boundary						
Sevier River	UT16030004-011	San Pitch-4	Silver Creek and tributaries from confluence with San Pitch to headwaters	4	10.55	NS	Total Dissolved Solids	Low	No
Sevier River	UT16030005-022	Chicken Creek-2	Chicken Creek and tributaries from confluence w/Sevier River to Levan	4	5.66	NS	Total Dissolved Solids	Low	No
Sevier River	UT16030005-025	Sevier River-20	Sevier River from U-132 at ther northern most point of the Sevier River (near Dog Valley Wash confluence) upstream to Yuba Dam.	3B	33.38	PS	Total Phosphorus	Low	No
Sevier River	UT16030005-025	Sevier River-20	Sevier River from U-132 at ther northern most point of the Sevier River (near Dog Valley Wash confluence) upstream to Yuba Dam.	3B	33.38	PS	Sediment	Low	No
Sevier River	UT16030005-026	Sevier River-22	Sevier River from DMAD Reservoir upstram to U-132 crossing at the northern most point of the Sevier River (near Dog Valley Wash)	3B	41.45	PS	Total Phosphorus	Low	No
Sevier River	UT16030005-026	Sevier River-22	Sevier River from DMAD Reservoir upstram to U-132 crossing at the northern most point of the Sevier River (near Dog Valley Wash)	4	41.45	PS	Total Dissolved Solids	Low	No
Sevier River	UT16030005-026	Sevier River-22	Sevier River from DMAD Reservoir upstram to U-132 crossing at the northern most point of the Sevier River (near Dog Valley Wash)	3B	41.45	PS	Sediment	Low	No
Sevier River	UT16030005-027	Sevier River-24	Sevier River from Gunnison bend Reservoir to DMAD Reservoir	3B	18.73	PS	Total Phosphorus	Low	No
Sevier River	UT16030005-027	Sevier River-24	Sevier River from Gunnison bend Reservoir to DMAD Reservoir	4	18.73	NS	Total Dissolved Solids	Low	No
Sevier River	UT16030005-027	Sevier River-24	Sevier River from Gunnison bend Reservoir to DMAD Reservoir	3B	18.73	PS	Sediment	Low	No
Sevier River	UT16030005-028	Sevier River-25	Sevier River from Crear Lake to Gunnison Bend Reservoir	4	17.99	NS	Total Dissolved Solids	Low	No
Uinta	UT14060002-001	Lower Ashley Creek	Ashley Creek and tributaries from confluece Green River Vernal Sewage Lagoons.	4	15.19	NS	Total Dissolved Solids	Low	No
Uinta	UT14060002-001	Lower Ashley Creek	Ashley Creek and tributaries from confluece Green River Vernal Sewage Lagoons.	4	15.19	NS	Selenium	Low	No
			Duchesne River and tributaries from					Low	

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Table 8. Category 5A: River and Stream Assessment Units Requiring a TMDL									
Watershed Management Unit	Assessment Unit ID	Assessment Unit Name	Assessment Unit Description	Beneficial Use Class	Stream Miles	Beneficial Use Support	Pollutant	TMDL Priority	Targeted For TMDL 2004-2006
Uinta	UT14060003-001	Duchesne River-1	confluence Green River to Randlett.	4	19.14	PS	Total Dissolved Solids		No
Uinta	UT14060003-002	Duchesne River-2	Duchesne River from Randlett to Myton.	4	31.82	PS	Total Dissolved Solids	Low	No
Uinta	UT14060003-003	Uinta River-1	Uinta River and tributaries from the Duchesne river confluence to the Dry Gulch confluence	3B	8.82	PS	Sediment	Low	No
Uinta	UT14060003-003	Uinta River-1	Uinta River and tributaries from the Duchesne river confluence to the Dry Gulch confluence	3B	8.82	PS	Temperature	Low	No
Uinta	UT14060003-005	Antelope Creek	Antelope Creek and tributaries confluence Duchesne River to headwaters.	4	31.38	NS	Total Dissolved Solids	Low	No
Uinta	UT14060003-008	Lake Fork-1	Lake Fork River and tributaries confluence Duchesne River to Pigeon Water Creek confluence.	4	22.36	PS	Total Dissolved Solids	Low	No
Uinta	UT14060003-008	Lake Fork-1	Lake Fork River and tributaries confluence Duchesne River to Pigeon Water Creek confluence.	3A	22.36	PS	Sediment	Low	No
Uinta	UT14060004-002	Indian Canyon Creek	Indian Canyon Creek and tributaries confluence Strawberry River to headwaters.	4	44.38	NS	Total Dissolved Solids	Low	No
Uinta	UT14060005-002	Pariette Draw Creek	Pariette Draw Creek and tributaries confluence Green River to headwaters.	4	54.13	NS	Boron	Low	No
Uinta	UT14060005-002	Pariette Draw Creek	Pariette Draw Creek and tributaries confluence Green River to headwaters.	4	54.13	NS	Total Dissolved Solids	Low	No
Uinta	UT14060005-002	Pariette Draw Creek	Pariette Draw Creek and tributaries confluence Green River to headwaters.	3A	54.13	NS	Selenium	Low	No
Uinta	UT14060006-001	Willow Creek	Willow Creek and tributaries confluence Green River to Meadow Creek confluence (excluding Hill Creek).	4	57.54	PS	Total Dissolved Solids	Low	No
Weber River	UT16020101-007	Echo Creek	Echo Creek and tributaries from confluence w/ Weber River to headwaters	3A	43.00	PS	Sediment	High	Yes
Weber River	UT16020101-020	Silver Creek	Silver Creek and tributaries from confluence w/Weber River to headwaters	3A	21.4	NS	Cadmium	High	Yes
Weber River	UT16020101-020	Silver Creek	Silver Creek and tributaries from confluence w/Weber River to headwaters	3A	21.4	NS	Zinc	High	Yes

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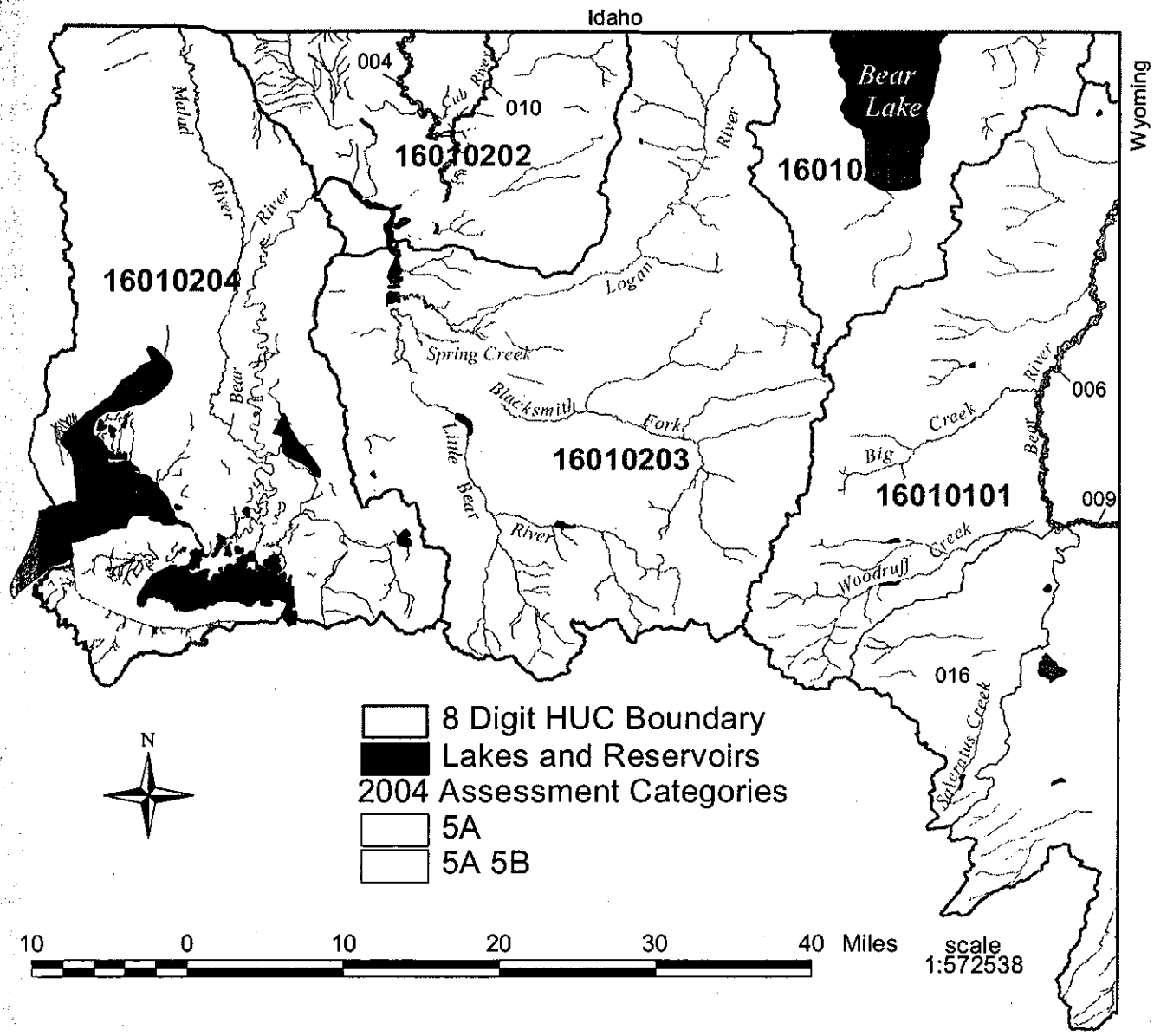
Bear River Management Unit

Category 5A Assessment Units



Assessment Unit	Assessment	Name	Assessment Unit Description
UT16010101-006	5A	Bear River-4	Bear River from Woodruff Creek north to Sage Creek Junction
UT16010101-009	5A	Bear River-5	Bear River from Woodruff Creek to Utah-Wyoming border
UT16010101-016	5A	Saleratus Creek	Saleratus Creek & tribs from confluence with Woodruff Creek to headwaters
UT16010202-004	5A 5B	Bear River-3	Bear River from Cutler Reservoir to Idaho Stateline
UT16010202-010	5A 5B	Cub River	Cub River from confluence w/ Bear River to Utah-Idaho Stateline

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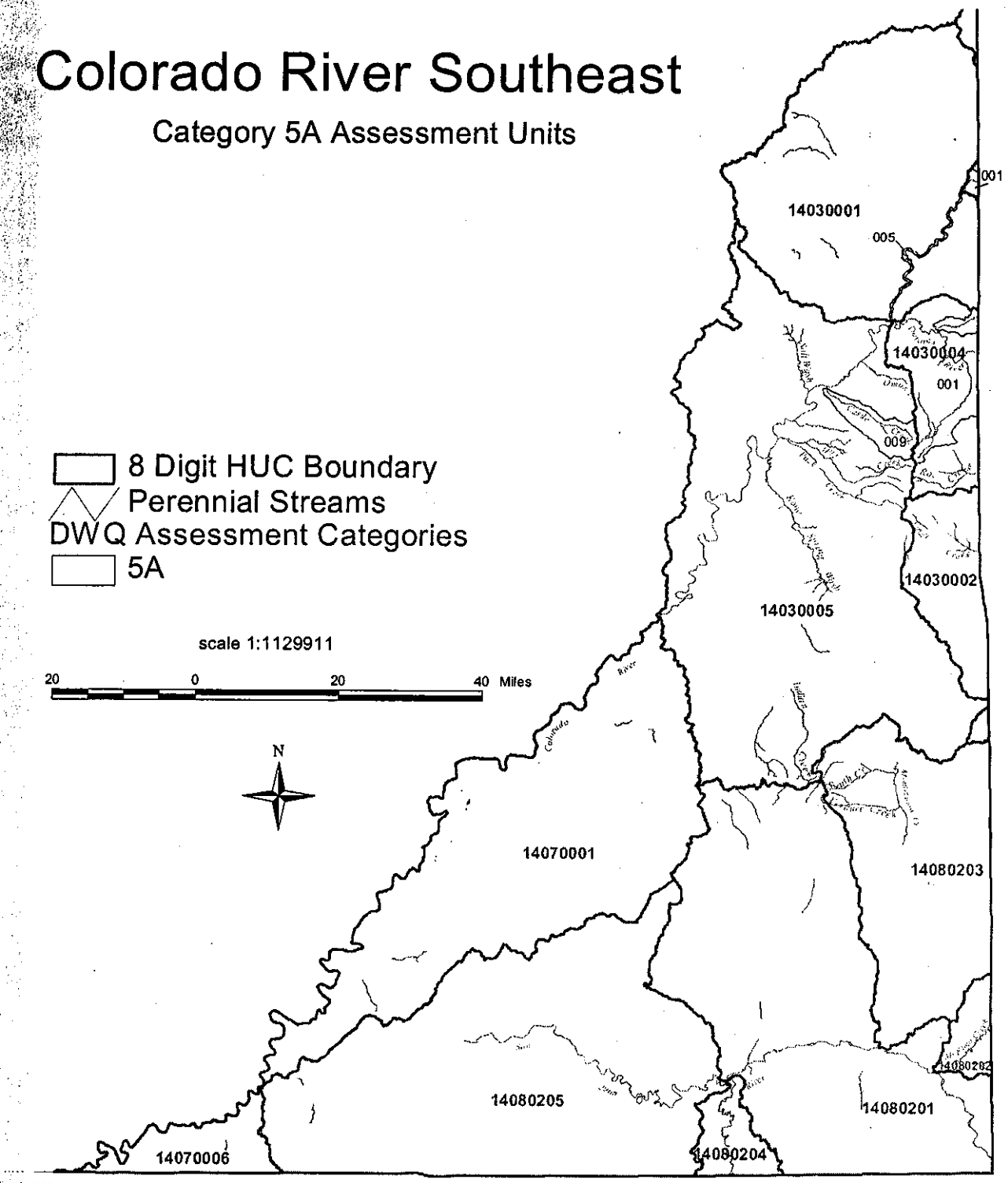
Figure 4. Bear River Watershed Management Category 5A assessment units



Assessment Unit	Name	Assessment Unit Description
UT14010005-001	Colorado River-6	Colorado River from HUC (14010005) boundary to Colorado State Line
UT14030001-005	Colorado River-5	Colorado River from Dolores River confluence to HUC 14010005 boundary
UT14030004-001	Dolores River	Dolores River & tribs (except Granite Creek) from confluence with Colorado River to headwaters
UT14030005-009	Castle Creek	Castle Creek & tribs from confluence with Colorado River to headwaters

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Figure 5. Colorado River Southeast Category 5A assessment units.

24358

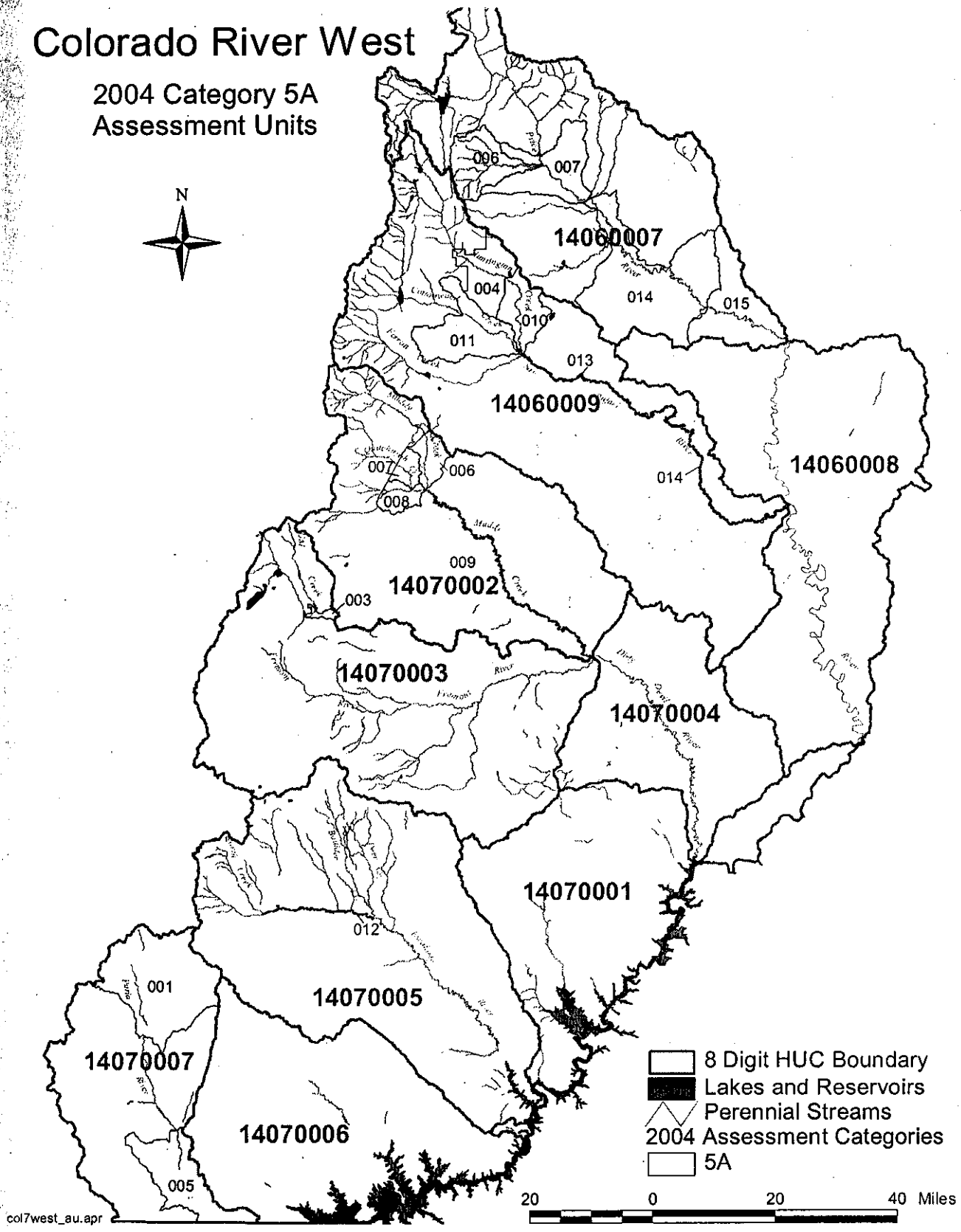
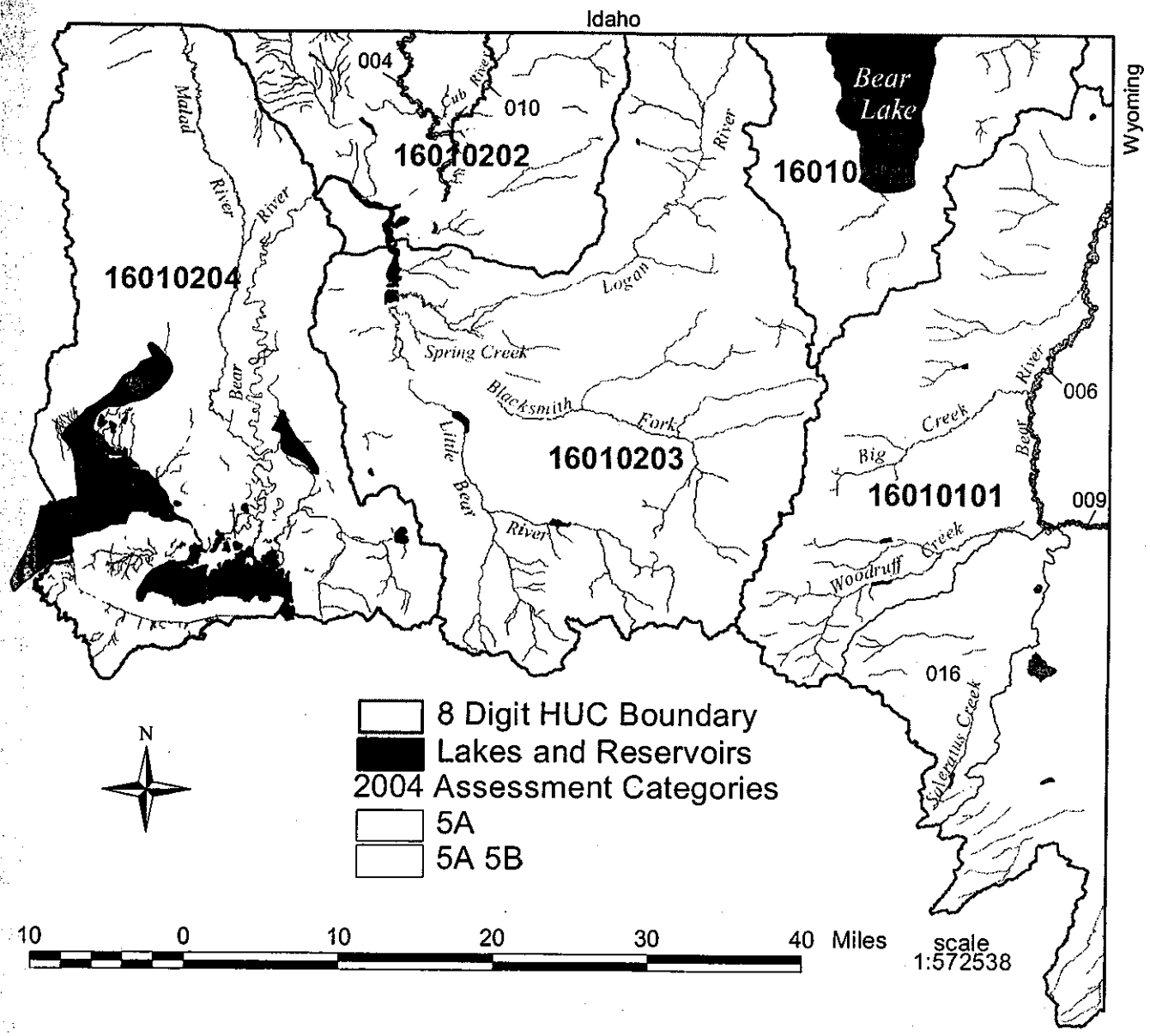


Figure 6. Colorado River West Category 5A assessment units.

Bear River Management Unit

Category 5A Assessment Units



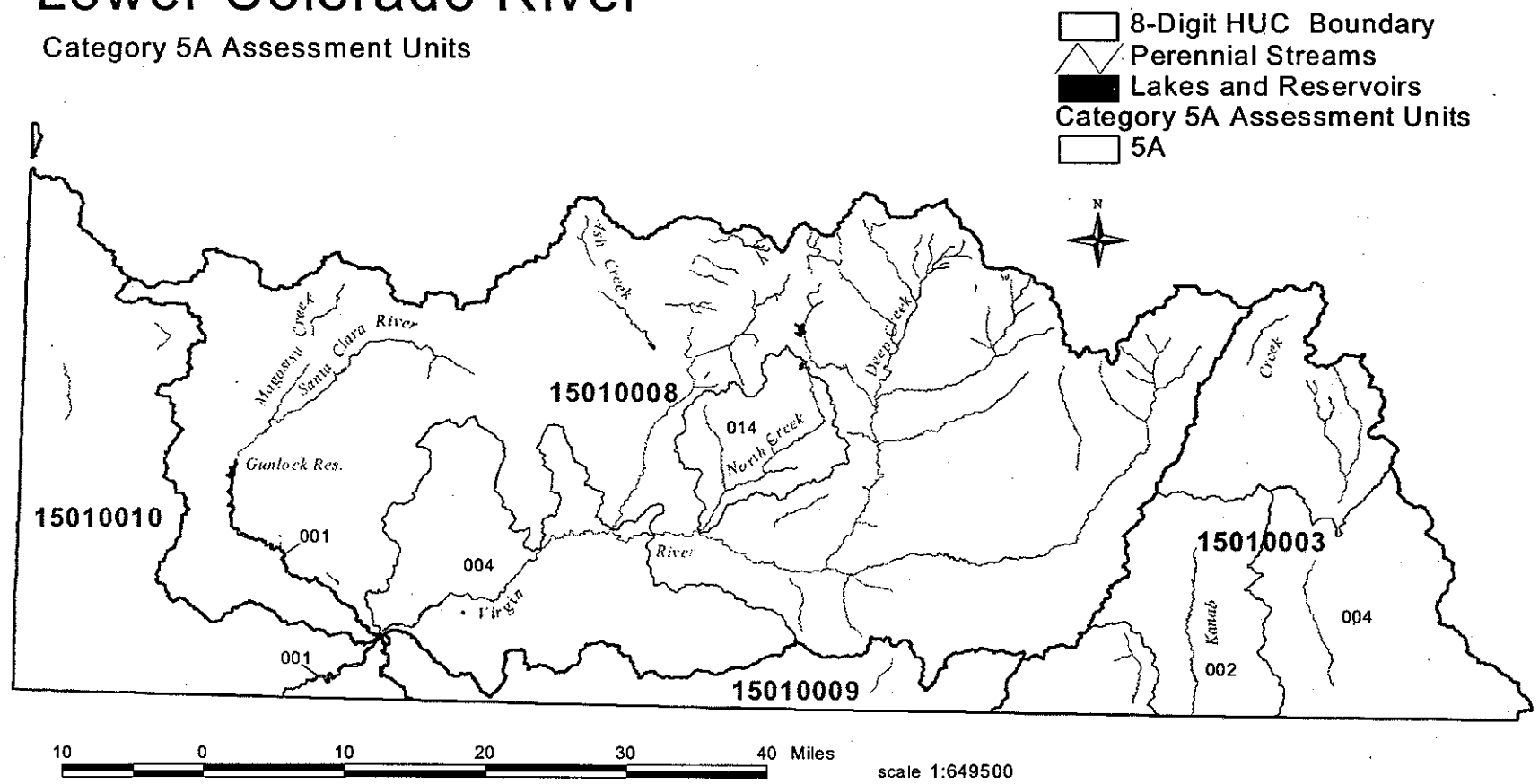
Assessment Unit	Assessment	Name	Assessment Unit Description
UT16010101-006	5A	Bear River-4	Bear River from Woodruff Creek north to Sage Creek Junction
UT16010101-009	5A	Bear River-5	Bear River from Woodruff Creek to Utah-Wyoming border
UT16010101-016	5A	Saleratus Creek	Saleratus Creek & tribs from confluence with Woodruff Creek to headwaters
UT16010202-004	5A 5B	Bear River-3	Bear River from Cutler Reservoir to Idaho Stateline
UT16010202-010	5A 5B	Cub River	Cub River from confluence w/ Bear River to Utah-Idaho Stateline bear2004au.apr

Figure 7. Jordan River / Utah Lake Category 5A assessment units.

24362

Lower Colorado River

Category 5A Assessment Units



Assessment Unit	Name	Assessment Unit Description
UT15010003-002	Kanab Creek-1	Kanab Creekand tributaries from state line to US 189 Crossing
UT15010003-004	Johnson Wash-1	Johnson Wash and tributaries from stateline to Redwash confluence
UT15010008-001	Santa Clara-1	Santa Clara River from confluence w/Virgin River to Gunlock Reservoir
UT15010008-004	Virgin River-2	Virgin River and tributaries from Santa Clara River confluence to Quail Creek diversion (excludes Quail amd Leeds Creek)
UT15010008-014	North Creek	North Creek and tributaries from confluence with Virgin River to headwaters
UT15010010-001	Virgin River-1	Virgin River from state line to Santa Clara Confluence

low2004colorado_au.apr

Figure 8. Lower Colorado Watershed Management Unit Category 5A assessment units.

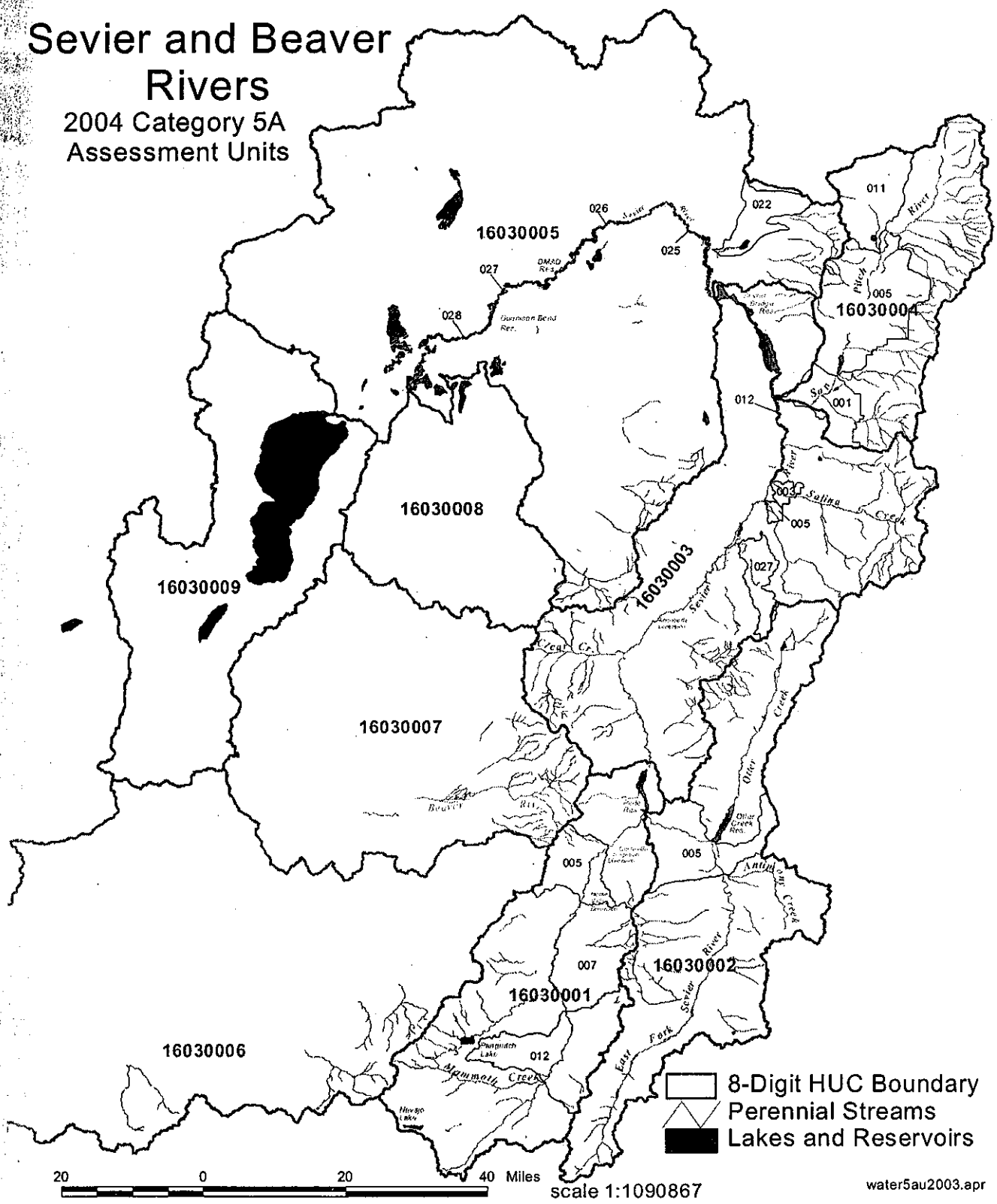
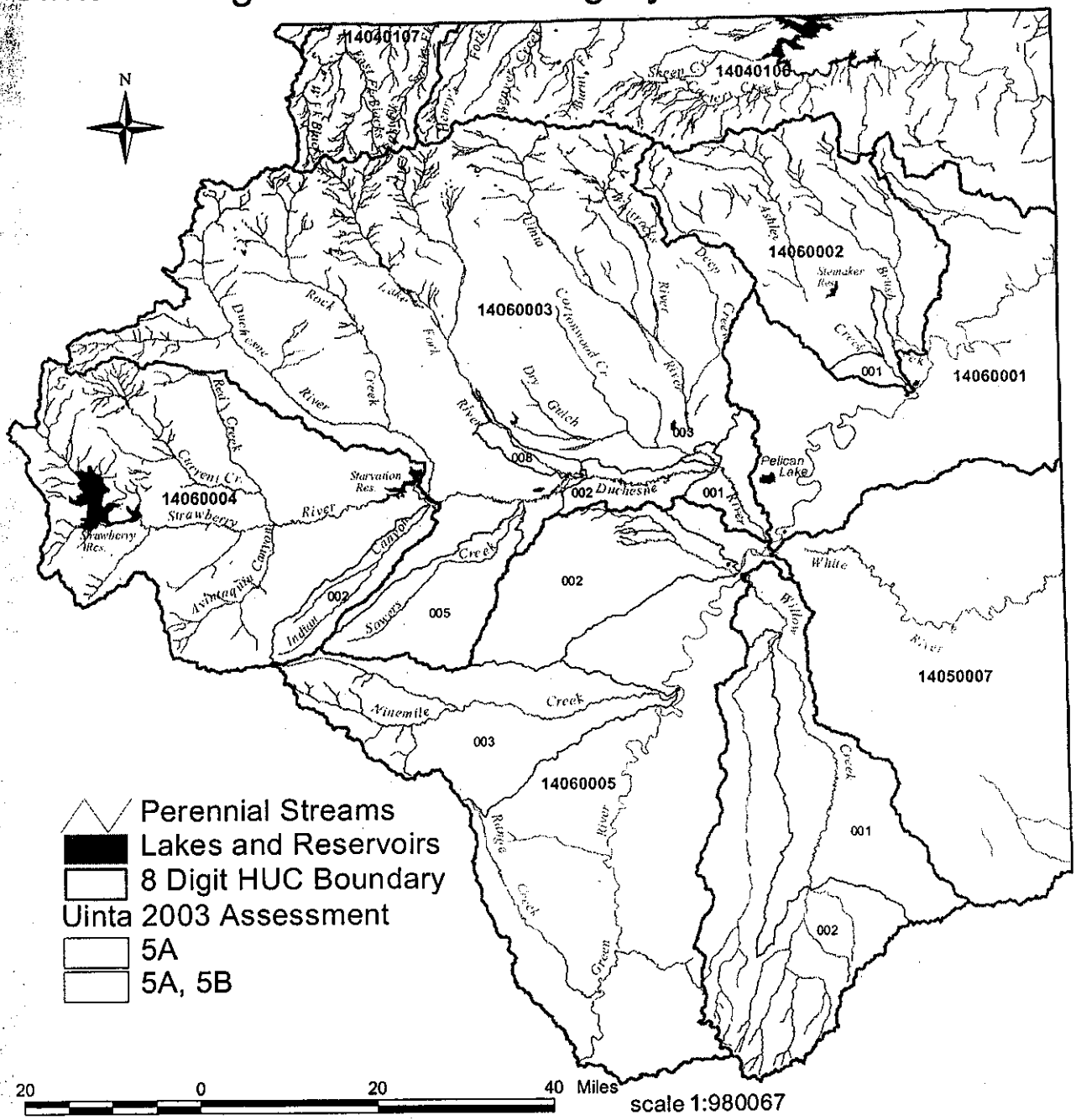


Figure 9. Sevier and Cedar / Beaver Watershed Management Unit Category 5A assessment units.

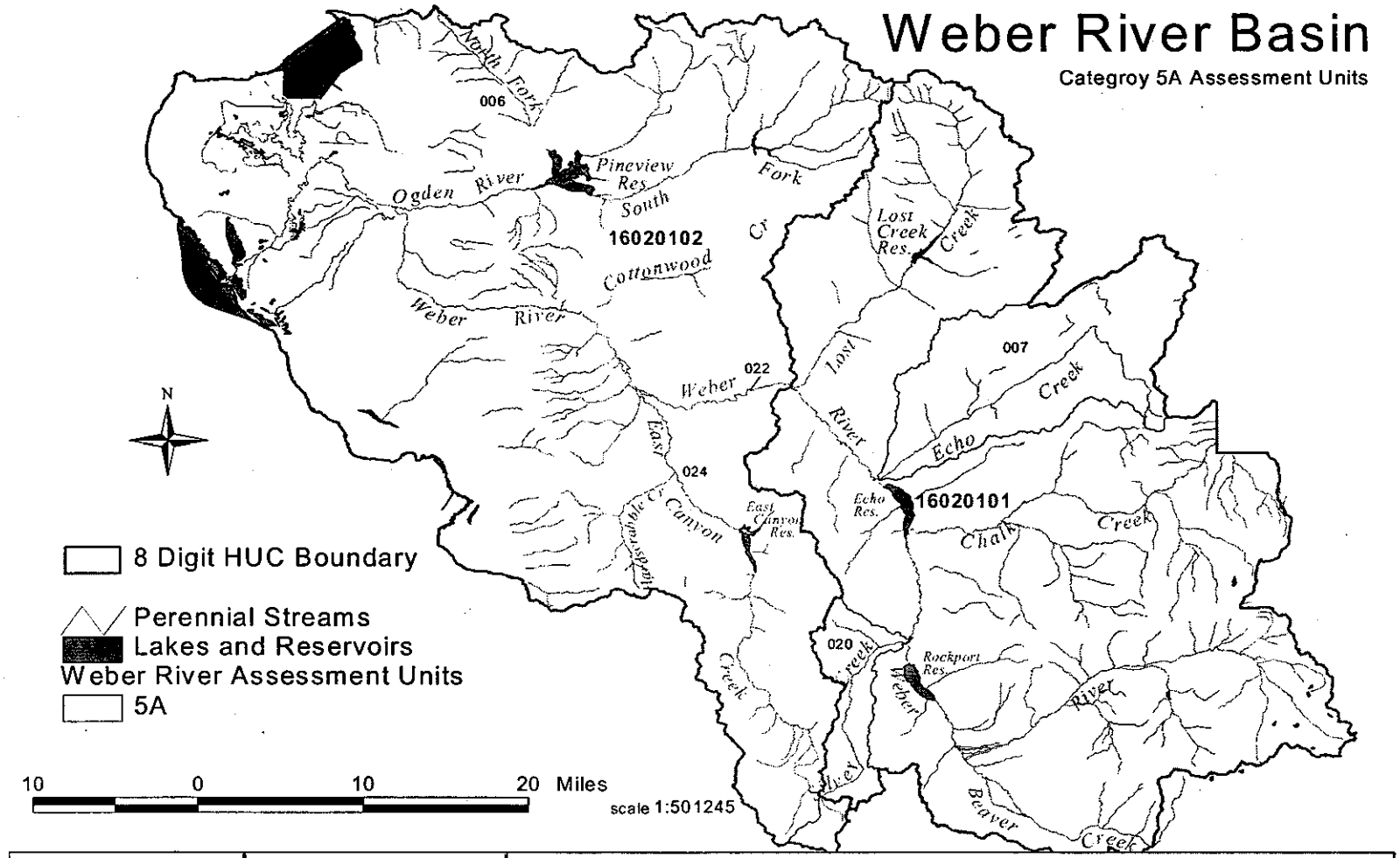
Uinta Management Unit: Category 5A Assessment Units



Assessment Unit	Assessment	Name	Assessment Unit Description
UT14060005-003	5A	Nine Mile	Nine Mile Creek-tribs: confluence Green River to headwaters.
UT14060002-001	5A	Lower Ashley Creek	Ashley Creek-tribs: from confluece Green River Vernal Sewage Lagoons.
UT14060003-005	5A	Antelope Creek	Antelope Creek-tribs: confluence Duchesne River to headwaters.
UT14060003-003	5A, 5B	Uinta River-1	Uinta River and tributaries from the Duchesne river confluence to the Dry Gulch confluence
UT14060003-001	5A	Duchesne River-1	Duchesne River-tribs: confluence Green River to Randlett.
UT14060003-008	5A, 5B	Lake Fork-1	Lake Fork River-tribs: confluence Duchesne River to Pigeon Water Creek confluence.
UT14060003-002	5A	Duchesne River-2	Duchesne River: Randlett to Myton.
UT14060006-001	5A	Willow Creek	Willow Creek-tribs: confluence Green River to Meadow Creek confluence (excluding Hill Creek).
UT14060005-002	5A	Pariette Draw Creek	Pariette Draw Creek-tribs: confluence Green River to headwaters. assessment.apr

Figure 10. Uinta Watershed Management Unit Category 5A assessment units.

24368



Assessment Unit	Name	Assessment Unit Description
UT16020101-007	Echo Creek	confluence w/ Weber River to headwaters-tribs
UT16020101-020	Silver Creek	Silver Creek from confluence w/Weber River to headwaters-tribs

weber2003au.apr

Figure 11. Weber River Watershed Management Unit Category 5A assessment units.

Table 9. Category 5A – Lakes and Reservoirs Needing Total Maximum Daily Load Analysis.									
Map ID	Watershed Mangement Unit	Assessment Unit ID	Assessment Unit Decription	Beneficial Use Class	Lake Acreage	Beneficial Use Support	Pollutant	Priority	Targeted For TMDL
1	Bear River	UT-L-16010202-013	Newton Reservoir	3A	350	NS	TP,DO	High	Yes
2	Bear River	UT-L-16010203-012	Tony Grove Lake	3A	25	PS	TP,DO,pH	Low	No
3	Bear River	UT-L-16010202-002	Cutler Reservoir	3B	7,184	PS	TP,DO	Low	No
4	Bear River	UT-L-16010203-009	Porcupine Reservoir	3A	190	PS	Temp*		
5	Bear River	UT-L-16010204-033	Mantua Reservoir	3A	554	PS	Temp*	Low	No
6	Weber River	UT-L-16020102-014	Pineview Reservoir	3A	2,874	PS	Temp*	Low	No
7	Weber River	UT-L-16020101-001	Echo Reservoir	3A	1,394	PS	TP,DO	High	Yes
8	Uinta	UT-L-14060003-002	Lyman Lake	3A	27	PS	DO	Low	No
9	Uinta	UT-L-14040107-004	Bridger Lake	3A	288	PS	DO	Low	No
10	Uinta	UT-L-14040107-003	Marsh Lake	3A	38	PS	DO	Low	No
11	Uinta	UT-L-14040107-006	China Lake	3A	47	PS	DO,Temp*	Low	No
12		UT-L-14040106-003	Matt Warner Reservoir	3A	433	PS	Temp*	Low	No
13	Uinta	UT-L-14040106-034	Calder Reservoir	3A	99	NS	TP,DO	High	Yes
14	Uinta	UT-L-14060002-006	Red Fleet Reservoir	3A	520	PS	DO,Temp*	Low	No
15	Uinta	UT-L-14060002-004	Steinaker Reservoir	3A	829	PS	Temp*, DO(added)	Low	No
16	Uinta	UT-L-14060001-002	Brough Reservoir	3A	128	PS	DO,Temp*	Low	No
17	Uinta	UT-L-14060001-001	Pelican Lake	3B	1,680	NS	pH, Temp*	Low	No
18	Jordan River / Utah Lake	UT-L-16020203-004	Mill Hollow Reservoir	3A	15	PS	TP,pH	Low	No
19	Jordan River / Utah Lake	UT-L-16020201-004	Utah Lake	3B	96,900	PS	TP,TDS	High	Yes
20	Uinta	UT-L-14060004-001	Strawberry Reservoir	3A	17,160	PS	TP, DO	High	Yes
21	Jordan River / Utah Lake	UT-L-16020202-002	Big East Lake	3A	23	PS	DO	Low	No
22	Colorado River West	UT-L-14060007-004	Lower Gooseberry Reservoir	3A	57	PS	DO,pH	Low	No
23	Sevier	UT-L-16030004-005	Palisade Lake	3A	66	PS	Temp*	Low	No
24	Sevier	UT-L-16030004-001	Ninemile Reservoir	3A	197	NS	TP,DO	Low	No
25	Sevier	UT-L-16030002-011	Koosharem Reservoir	3A	310	PS	TP	High	Yes
26	Sevier	UT-L-16030003-006	Manning Meadow Reservoir	3A	59	PS	TP,DO	Low	No
27	Sevier	UT-L-16030002-005	Lower Box Creek Reservoir	3A	50	PS	TP,DO	High	Yes
28	Sevier	UT-L-16030001-011	Piute Reservoir	3A	2,508	PS	TP,Temp*	Low	No
29	Sevier	UT-L-16030002-004	Otter Creek Reservoir	3A	2,520	PS	TP,Temp*	High	Yes

Table 9. Category 5A – Lakes and Reservoirs Needing Total Maximum Daily Load Analysis.									
Map ID	Watershed Mangement Unit	Assessment Unit ID	Assessment Unit Decription	Beneficial Use Class	Lake Acreage	Beneficial Use Support	Pollutant	Priority	Targeted For TMDL
30	Sevier	UT-L-16030006-019	Red Creek Reservoir (Iron Co)	3A	39	NS	DO		
31	Sevier	UT-L-16030006-017	Yankee Meadow Reservoir	3A	53	PS	DO	Low	No
32	Sevier	UT-L-16030001-006	Panguitch Lake	3A	1,248	PS	TP,DO	High	Yes
33	Colorado River Southeast	UT-L-14080201-007	Recapture Reservoir	3A	17	PS	DO	Low	No
34	Sevier	UT-L-16030006-008	Newcastle Reservoir	3A	163	PS	TP,DO	Low	No
35	Sevier	UT-L-16030001-001	Navajo Lake	3A	714	PS	DO	High	Yes
36	Lower Colorado	UT-L-15010008-008	Baker Dam Reservoir	3A	63	PS	TP,DO, Temp*	High	Yes
37	Lower Colorado	UT-L-15010008-001	Gunlock Reservoir	3B	266	PS	TP,DO	High	Yes

*** Heat budget analyses resulted in the conclusion that the temperature violations were caused by solar radiation. Because of this natural source of heat, the DWQ is proceeding to develop specific temperature criteria for each of these reservoirs.**

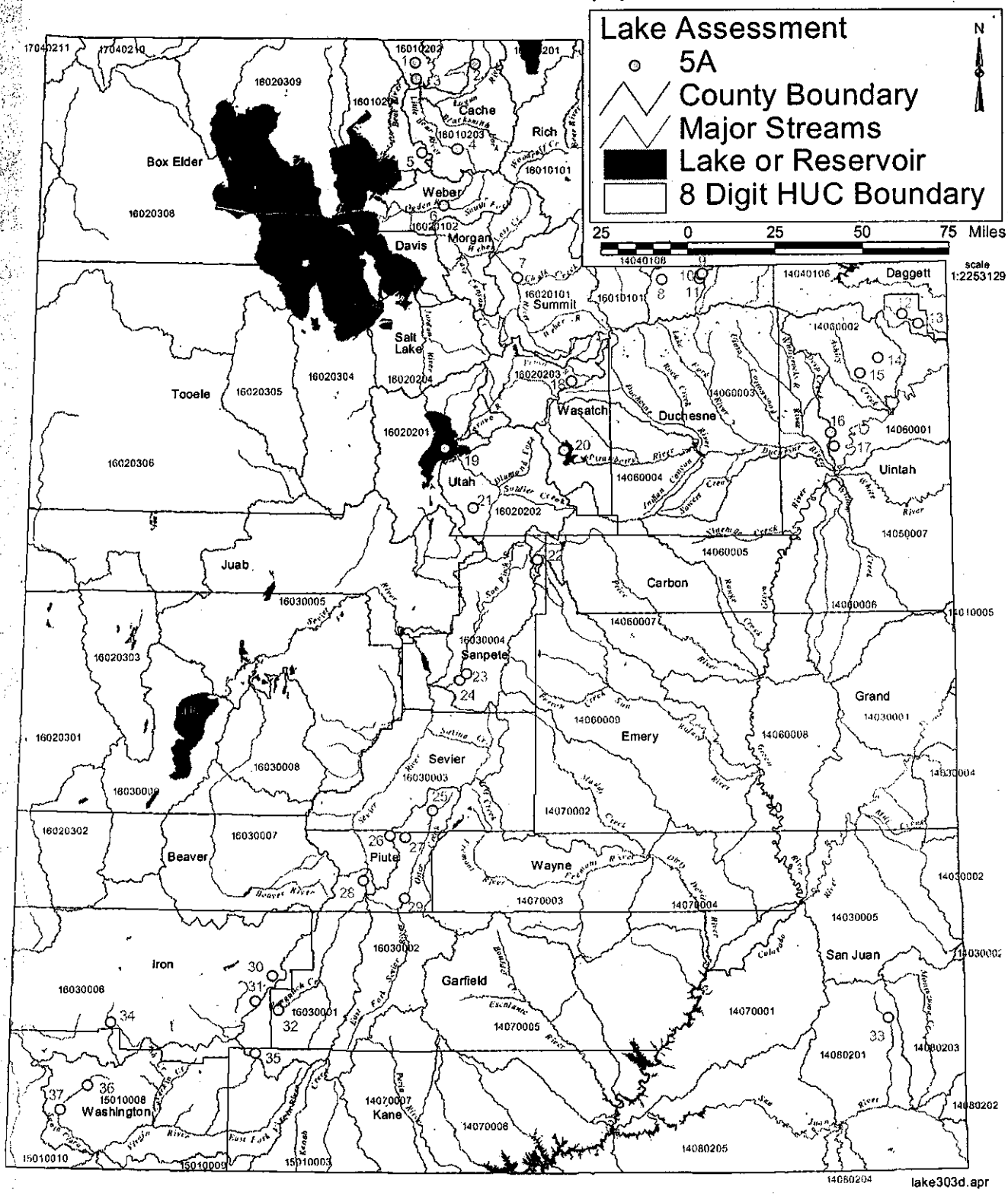


Figure 12. Category 5 Lakes and Reservoirs.

24374

Table 10. Category 5B: River and Stream Assessment Units for which some TMDLs have been approved, but TMDLs still remain for other pollutants identified for the AU; the most recent water quality assessment indicates that water quality standards are being met; errors in previous assessments; a new delineation of an assessment unit is the cause for meeting water quality standards; or a change in the water quality standards was made and it resulted in the AU meeting standards.

Watershed Management Unit	Assessment Unit ID	Assessment Unit Name	Assessment Unit Decription	Beneficial Use Class	Stream Miles	Beneficial Use Support	Pollutant or Pollution	Evaluation Information	Date
Assessment Unit Having Some Approved TMDLs									
Bear River	UT16010202-004	Bear River-3	Cutler Reservoir to Idaho Stateline	3A	26.80	PS	Total Phosphorus	Approved TMDL	23-Oct-97
Uinta	UT14060003-003	Uinta River-1	Uinta River and tributaries from the Duchesne River confluence to the Dry Gulch confluence	4	8.82	NS	Total Dissolved Solids	Approved TMDL	7-Oct-02
Assessment Units Currently Meeting Standards									
Lower Colorado	UT15010008-001	Santa Clara-1	Santa Clara River: from confluence w/Virgin River to Gunlock Reservoir	3A	23.49	FS	Temperature	Most recent survey (2001-2002), temperature was meeting standard	
Colorado River Southeast	UT14080203-008	North Creek	North Creek and tributaries from confluence w/Montezuma Creek to headwaters	3A	12.72	FS	pH	Most recent survey (2002-2003), pH was meeting standard	
Colorado River Southeast	UT14030005-002	Indian Creek-2	Indian Creek from Newspaper Rock north boundary to headwaters	3A	14.72	FS	pH	Most recent survey (2002-2003), pH was meeting standard	
Uinta	UT14060003-008	Lake Fork-1	Lake Fork River and tributaries from confluence Duchesne River to Pigeon Water Creek confluence.	4	22.36	FS	Temperature	Most recent survey (2000-2001), temperature was meeting standard.	
Jordan River / Utah Lake	UT16020201-002	American Fork River-2	American Fork River and tributaries from Tibble Fork Dam to headwaters	3A	30.80	FS	Arsenic	Health advisory for arsenic in fish tissue was	

Table 10. Category 5B: River and Stream Assessment Units for which some TMDLs have been approved, but TMDLs still remain for other pollutants identified for the AU; the most recent water quality assessment indicates that water quality standards are being met; errors in previous assessments; a new delineation of an assessment unit is the cause for meeting water quality standards; or a change in the water quality standards was made and it resulted in the AU meeting standards.

Watershed Management Unit	Assessment Unit ID	Assessment Unit Name	Assessment Unit Decription	Beneficial Use Class	Stream Miles	Beneficial Use Support	Pollutant or Pollution	Evaluation Information	Date
								removed from this assessment unit.	
Lower Colorado	UT15010010-002	Beaver Dam Wash	Beaver Dam Wash from Matoqua to headwaters	3B	8.51	FS	Temperature	Study by DWQ in 2001, classification changed from 3A to 3B, meets temperature standard	
Colorado River Southeast	UT14080201-004	Johnson Creek	Johnson Creek and tributaries from confluence with Recapture Creek to headwaters	2B,1C,3A,4	3.9	FS	pH	Survey of 2002-2003, pH meeting standard, not listed for temperature because violations evaluated as natural because of extreme drought.	
West Colorado	UT14060007-013	Upper Grassy Trail Creek	Grassy Trail Creek from confluence with Price River to Grassy Trail Creek Reservoir	2B,3C,4	13.52	FS	pH	Assessment of 2002-2003, pH meeting standards.	
Assessment Unit Delineation Change									
Lower Colorado	UT15010003-003	Kanab Creek-2	Kanab Creek and tributaries from Reservoir Canyon to headwaters	3A	6.9	NA	Temperature	Assessment Unit was incorrectly delineated for 2002 303(d) list. Assessment Unit re-delineated and was not assessed because of lack of data.	

24377

Table 11. Category 5B – Lake and Reservoir Approved TMDLs for Some But Not All Pollutants, Assessment Units Meeting Standards, Errors in Assessments.								
Watershed Management Unit	Assessment Unit ID	Assessment Unit Name	Assessment Unit Description	Assessment Use Class	Lake Acres	Beneficial Use Support	Pollutant	Justification for Change
Some But Not All TMDLs Completed								
Bear River	UT-L-16010204-033	Mantua Reservoir	Mantua Reservoir	3A	554	PS	TP,DO,pH	TMDL approved 9/1/2000
Weber River	UT-L-16020102-014	Pineview Reservoir	Pineview Reservoir	3A	2,874	FS	TP,DO	12/9/02
Assessment Unit Meeting Standards								
Uinta	UT-L-14060003-006	Mirror Lake	Mirror Lake	3A	50	FS	DO	See Accompanying Report

Table 12. Category 5C: UPDES Permit Renewal TMDLs, 2004-2006.								
Watershed Management Unit	Receiving Water Assessment Unit ID		Permit Number	Facility Name	Renewal Date	Pollutants	Priority For TMDL	Targeted for TMDL
	Receiving Water							
Bear River	Malad River	UT16010204-006	UT0020311	BEAR RIVER- TOWN OF	30-Sep-04	TOTAL RESIDUAL CHLORINE	High	Yes
Bear River	Box Elder Creek	UT16010204-001	UT0022365	BRIGHAM CITY CORP	30-Jun-05	AMMONIA	High	Yes
Bear River	Box Elder Creek	UT16010204-001	UT0022365	BRIGHAM CITY CORP	30-Jun-05	TOTAL CHLORINE RESIDUAL	High	Yes
Bear River	Gully to Malad River	UT16010204-006	UT0023850	NUCOR STEEL-DIV OF NUCOR CORP	31-Mar-06	TDS	High	Yes
Bear River	Gully to Malad River	UT16010204-006	UT0023850	NUCOR STEEL-DIV OF NUCOR CORP	31-Mar-06	TOTAL RESIDUAL CHLORINE	High	Yes
Cedar / Beaver	Shoal Creek	UT16030006-004	UT0025330	ENTERPRISE CITY WWTF	31-May-04	TOTAL RESIDUAL CHLORINE	High	Yes
Colorado River Southeast	Montezuma Creek	UT14080203-003	UT0024503	MONTICELLO, CITY STP	31-Aug-04	RESIDUAL CHLORINE	High	Yes

Table 12. Category 5C: UPDES Permit Renewal TMDLs, 2004-2006.								
Watershed Management Unit	Receiving Water	Receiving Water Assessment Unit ID	Permit Number	Facility Name	Renewal Date	Pollutants	Priority For TMDL	Targeted for TMDL
Colorado River Southeast	Montezuma Creek	UT14080203-003	UT0024503	MONTICELLO, CITY STP	31-Aug-04	TOTAL NITROGEN AMMONIA	High	Yes
Colorado River Southeast	Montezuma Creek	UT14080203-003	UT0024503	MONTICELLO, CITY STP	31-Aug-04	TRC	High	Yes
Colorado River West	Ferron Creek	UT14060009-012	UT0020052	FERRON- CITY OF	31-May-04	RESIDUAL CHLORINE	High	Yes
Colorado River West	Ferron Creek	UT14060009-012	UT0020052	FERRON- CITY OF	31-May-04	TOTAL AMMONIA	High	Yes
Colorado River West	Huntington Creek	UT14060009-010	UT0021296	CASTLE VALLEY SSD-(HUNTINGTON)	30-Nov-04	AMMONIA	High	Yes
Colorado River West	Huntington Creek	UT14060009-010	UT0021296	CASTLE VALLEY SSD-(HUNTINGTON)	30-Nov-04	NITROGEN	High	Yes
Colorado River West	Huntington Creek	UT14060009-010	UT0021296	CASTLE VALLEY SSD-(HUNTINGTON)	30-Nov-04	TOTAL RESIDUAL CLHLORINE	High	Yes
Colorado River West	Quitchupah Creek	UT14070002-007	UT0022616	CONSOL. COAL CO-UNDERGROUND	30-Jun-04	IRON	High	Yes
Colorado River West	Quitchupah Creek	UT14070002-007	UT0022616	CONSOL. COAL CO-UNDERGROUND	30-Jun-04	TRICHLOROETHENE	High	Yes
Colorado River West	Cedar & Miller Creek	UT14060007-010	UT0023094	HIAWATHA COAL COMPANY	30-Sep-04	IRON	High	Yes
Colorado River West	Cedar & Miller Creek	UT14060007-010	UT0023094	HIAWATHA COAL COMPANY	30-Sep-04	TDS	High	Yes
Colorado River West	Eccles Creek	UT14060007-002	UT0023540	CANYON FUEL CO., LLC - SKYLINE	30-Sep-04	IRON	High	Yes
Colorado River West	Eccles Creek	UT14060007-002	UT0023540	CANYON FUEL CO., LLC - SKYLINE	30-Sep-04	TDS	High	Yes
Colorado River West	Eccles Creek	UT14060007-002	UT0023540	CANYON FUEL CO., LLC - SKYLINE	30-Sep-04	TOTAL	High	Yes
Colorado River West	Huntington	UT14060009-003	UT0024368	GENWAL RESOURCES, INC.	31-Aug-05	TOTAL IRON	High	Yes
Colorado River West	Green River	UT14060008-001	UT0025232	GREEN RIVER WTF	31-Jan-06	TOTAL RESIDUAL CHLORINE	High	Yes
GSL / Columbia	Blue Creek	not defined	UT0024805	THIOKOL CORPORATION	30-Jun-04	1-1 DICHLORETHYLENE	High	Yes
GSL / Columbia	Blue Creek	not defined	UT0024805	THIOKOL CORPORATION	30-Jun-04	1-1-1 TRICHLOROETHANE	High	Yes
GSL / Columbia	Blue Creek	not defined	UT0024805	THIOKOL CORPORATION	30-Jun-04	ALUMINUM	High	Yes
GSL / Columbia	Blue Creek	not defined	UT0024805	THIOKOL CORPORATION	30-Jun-04	CARBON TETRACHLORIDE	High	Yes
GSL / Columbia	Blue Creek	not defined	UT0024805	THIOKOL CORPORATION	30-Jun-04	ISOPROPANAL	High	Yes
GSL / Columbia	Blue Creek	not defined	UT0024805	THIOKOL CORPORATION	30-Jun-04	OZONE	High	Yes
GSL / Columbia	Blue Creek	not defined	UT0024805	THIOKOL CORPORATION	30-Jun-04	PERCHLORATE	High	Yes
GSL / Columbia	Blue Creek	not defined	UT0024805	THIOKOL CORPORATION	30-Jun-04	TOTAL AMMONIA	High	Yes
GSL / Columbia	Blue Creek	not defined	UT0024805	THIOKOL CORPORATION	30-Jun-04	TOTAL RECOVERABLE SILVER	High	Yes

Table 12. Category 5C: UPDES Permit Renewal TMDLs, 2004-2006.								
Watershed Management Unit	Receiving Water	Receiving Water Assessment Unit ID	Permit Number	Facility Name	Renewal Date	Pollutants	Priority For TMDL	Targeted for TMDL
GSL / Columbia	Blue Creek	not defined	UT0024805	THIOKOL CORPORATION	30-Jun-04	TSS	High	Yes
GSL / Columbia	Blue Creek	not defined	UT0024805	THIOKOL CORPORATION	30-Jun-04	VOLATILE ORGANICS	High	Yes
Jordan River / Utah Lake	Utah Lake	UT-L-16020201-004	UT0000361	GENEVA STEEL	31-May-05	AMMONIA	High	Yes
Jordan River / Utah Lake	Utah Lake	UT-L-16020201-004	UT0000361	GENEVA STEEL	31-May-05	BOD	High	Yes
Jordan River / Utah Lake	Utah Lake	UT-L-16020201-004	UT0000361	GENEVA STEEL	31-May-05	TDS	High	Yes
Jordan River / Utah Lake	Utah Lake	UT-L-16020201-004	UT0000361	GENEVA STEEL	31-May-05	TOTAL CYANIDE	High	Yes
Jordan River / Utah Lake	Utah Lake	UT-L-16020201-004	UT0000361	GENEVA STEEL	31-May-05	TOTAL LEAD	High	Yes
Jordan River / Utah Lake	Utah Lake	UT-L-16020201-004	UT0000361	GENEVA STEEL	31-May-05	TOTAL ZINC	High	Yes
Jordan River / Utah Lake	Kersey Creek	not defined	UT0021440	MAGNA WATER & SEWER DIST	30-Sep-04	AMMONIA	High	Yes
Jordan River / Utah Lake	Kersey Creek	not defined	UT0021440	MAGNA WATER & SEWER DIST	30-Sep-04	BOD	High	Yes
Jordan River / Utah Lake	Kersey Creek	not defined	UT0021440	MAGNA WATER & SEWER DIST	30-Sep-04	TOTAL RESIDUAL CHLORINE	High	Yes
Jordan River / Utah Lake	Utah Lake	UT-L-16020201-004	UT0023639	TIMPANOGOS SPECIAL SERVICE DIS	31-Oct-04	TOTAL RESIDUAL CHLORINE	High	Yes
Jordan River / Utah Lake	Cottonwood Creek	UT14060009-011	UT0023663	CASTLE VALLEY SPECIAL SERVICE	31-Jul-05	AMMONIA	High	Yes
Jordan River / Utah Lake	Cottonwood Creek	UT14060009-011	UT0023663	CASTLE VALLEY SPECIAL SERVICE	31-Jul-05	TOTAL CHLORINE RESIDUAL	High	Yes
Jordan River / Utah Lake	Soldier Creek	UT14060007-009	UT0023680	CANYON FUEL CO., LLC - SOLDIER	31-Mar-06	TDS	High	Yes
Jordan River / Utah Lake	Soldier Creek	UT14060007-009	UT0023680	CANYON FUEL CO., LLC - SOLDIER	31-Mar-06	TOTAL IRON	High	Yes
Jordan River / Utah Lake	Ditch to Jordan River	UT16020204-008	UT0024082	UTAH STATE PRISON	31-Oct-05	TDS	High	Yes
Jordan River / Utah Lake	Jordan River	UT16020204-005	UT0024384	SOUTH VALLEY WATER RECLAM FAC	31-Aug-05	CHEMICAL BOD	High	Yes
Jordan River / Utah Lake	Jordan River	UT16020204-005	UT0024384	SOUTH VALLEY WATER RECLAM FAC	31-Aug-05	TOTAL RESIDUAL CHLORINE	High	Yes
Jordan River / Utah Lake	Mill Creek to Jordan River	UT16020204-026	UT0024392	CENTRAL VALLEY WTR RFB-CENTRAL	31-Jul-04	DISSOLVED OXYGEN	High	Yes
Jordan River / Utah Lake	Mill Creek to Jordan River	UT16020204-026	UT0024392	CENTRAL VALLEY WTR RFB-CENTRAL	31-Jul-04	TOTAL AMMONIA	High	Yes
Jordan River / Utah Lake	Mill Creek to Jordan River	UT16020204-026	UT0024392	CENTRAL VALLEY WTR RFB-CENTRAL	31-Jul-04	TOTAL RESIDUAL CHLORINE	High	Yes
Jordan River / Utah Lake	700 West Ditch	UT16020204-003	UT0025119	WASATCH CHEMICAL SITE	31-Dec-04	TOTAL TOXIC ORGANICS	High	Yes
Jordan River / Utah Lake	Spanish Fork River	UT16020202-001	UT0025275	ENSIGN-BICKFORD - SPANISH FORK	31-May-04	NITRATE	High	Yes

Table 12. Category 5C: UPDES Permit Renewal TMDLs, 2004-2006.								
Watershed Management Unit	Receiving Water	Receiving Water Assessment Unit ID	Permit Number	Facility Name	Renewal Date	Pollutants	Priority For TMDL	Targeted for TMDL
Jordan River / Utah Lake	Spanish Fork River	UT16020202-001	UT0025275	ENSIGN-BICKFORD - SPANISH FORK	31-May-04	OXYGEN	High	Yes
Jordan River / Utah Lake	Spanish Fork River	UT16020202-001	UT0025275	ENSIGN-BICKFORD - SPANISH FORK	31-May-04	TOTAL NITROGEN	High	Yes
Jordan River / Utah Lake	Spanish Fork River	UT16020202-001	UT0025275	ENSIGN-BICKFORD - SPANISH FORK	31-May-04	TOTAL RDX	High	Yes
Jordan River / Utah Lake	Jordan River	UT16020204-001	UTL021636	S DAVIS CO SEWER - NORTH	30-Sep-04	TOTAL RESIDUAL CHLORINE	High	Yes
Lower Colorado	Virgin River	UT15010008-012	UT0025224	SPRINGDALE, TOWN OF	31-Dec-05	TDS	High	Yes
Sevier River	San Pitch River	UT16030004-005	UT0020222	MORONI FEED/WASTEWATER	31-Oct-05	TOTAL AMMONIA	High	Yes
Sevier River	San Pitch River	UT16030004-005	UT0020222	MORONI FEED/WASTEWATER	31-Oct-05	TOTAL RESIDUAL CHLORINE	High	Yes
Uinta	Gully to Ashley Creek	UT14060002-001	UT0000035	EQUITY OIL CO	30-Apr-04	TDS	High	Yes
Uinta	Gully to Ashley Creek	UT14060002-001	UT0000124	EQUITY OIL COMPANY	30-Apr-04	BOD	High	Yes
Uinta	Gully to Ashley Creek	UT14060002-001	UT0000124	EQUITY OIL COMPANY	30-Apr-04	TDS	High	Yes
Uinta	Gully to Ashley Creek	UT14060002-001	UT0000124	EQUITY OIL COMPANY	30-Apr-04	TSS	High	Yes
Uinta	Gully to Ashley Creek	UT14060002-001	UT0021768	CIMA PETROLEUM.	31-Jan-06	TDS	High	Yes
Uinta	Gully to Ashley Creek	UT14060002-001	UT0021792	HOLLANDSWORTH & TRAVIS	30-Apr-04	BOD	High	Yes
Uinta	Gully to Ashley Creek	UT14060002-001	UT0021792	HOLLANDSWORTH & TRAVIS	30-Apr-04	TDS	High	Yes
Uinta	Gully to Ashley Creek	UT14060002-001	UT0021792	HOLLANDSWORTH & TRAVIS	30-Apr-04	TSS	High	Yes
Uinta	To Ditch Then to Ashley Creek	UT14060002-002	UT0025348	WHITE MESA WASTEWATER LAGOONS	31-Jan-06	TDS	High	Yes
Uinta	To Ditch Then to Ashley Creek	UT14060002-002	UT0025348	WHITE MESA WASTEWATER LAGOONS	31-Jan-06	TOTAL AMMONIA	High	Yes
Uinta	To Ditch Then to Ashley Creek	UT14060002-002	UT0025348	WHITE MESA WASTEWATER LAGOONS	31-Jan-06	TOTAL SELENIUM	High	Yes
Weber River	Weber River	UT16020102-022	UT0020893	MORGAN CITY CORP	30-Apr-05	TOTAL CHLORINE RESIDUAL	High	Yes
Weber River	Ditch to Beaver Creek	UT16020101-029	UT0020966	KAMAS CITY WASTEWATER	31-Oct-05	DISSOLVED OXYGEN	High	Yes
Weber River	Ditch to Beaver Creek	UT16020101-029	UT0020966	KAMAS CITY WASTEWATER	31-Oct-05	OXYGEN	High	Yes
Weber River	Ditch to Beaver Creek	UT16020101-029	UT0020966	KAMAS CITY WASTEWATER	31-Oct-05	TOTAL AMMONIA	High	Yes
Weber River	Ditch to Beaver Creek	UT16020101-029	UT0020966	KAMAS CITY WASTEWATER	31-Oct-05	TSS	High	Yes

Table 12. Category 5C: UPDES Permit Renewal TMDLs, 2004-2006.								
Watershed Management Unit	Receiving Water	Receiving Water Assessment Unit ID	Permit Number	Facility Name	Renewal Date	Pollutants	Priority For TMDL	Targeted for TMDL
Weber River	Baer Creek	UT16020102-053	UT0020974	CENTRAL DAVIS CO SEWER	28-Feb-05	BOD	High	Yes
Weber River	Baer Creek	UT16020102-053	UT0020974	CENTRAL DAVIS CO SEWER	28-Feb-05	TSS	High	Yes
Weber River	Chalk Creek	UT16020101-010	UT0021288	COALVILLE CITY CORP	31-Jul-04	TOTAL AMMONIA	High	Yes
Weber River	Warren Canal & Weber River	UT16020102-003	UT0021911	CENTRAL WEBER SEWER IMPROVEMEN	31-Jan-06	DISSOLVED OXYGEN	High	Yes
Weber River	Warren Canal & Weber River	UT16020102-003	UT0021911	CENTRAL WEBER SEWER IMPROVEMEN	31-Jan-06	TOTAL AMMONIA	High	Yes
Weber River	Weber River	UT16020102-002	UT0024732	MOUNTAIN GREEN SEWER IMPROVEME	30-Apr-05	TOTAL CHLORINE RESIDUAL	High	Yes
Weber River	Warren Canal & Weber River	not defined	UT0021911	CENTRAL WEBER SEWER IMPRO DIST	30-Apr-04	AMMONIA	High	Yes
Weber River	Warren Canal & Weber River	not defined	UT0021911	CENTRAL WEBER SEWER IMPRO DIST	30-Apr-04	COPPER	High	Yes
Weber River	Warren Canal & Weber River	not defined	UT0021911	CENTRAL WEBER SEWER IMPRO DIST	30-Apr-04	MERCURY	High	Yes
Weber River	Warren Canal & Weber River	not defined	UT0021911	CENTRAL WEBER SEWER IMPRO DIST	30-Apr-04	TOTAL CHLORINE RESIDUAL	High	Yes
Weber River	Mill Creek	not defined	UT0023752	FRESENIUS MEDICAL CARE	31-Dec-05	TDS	High	Yes

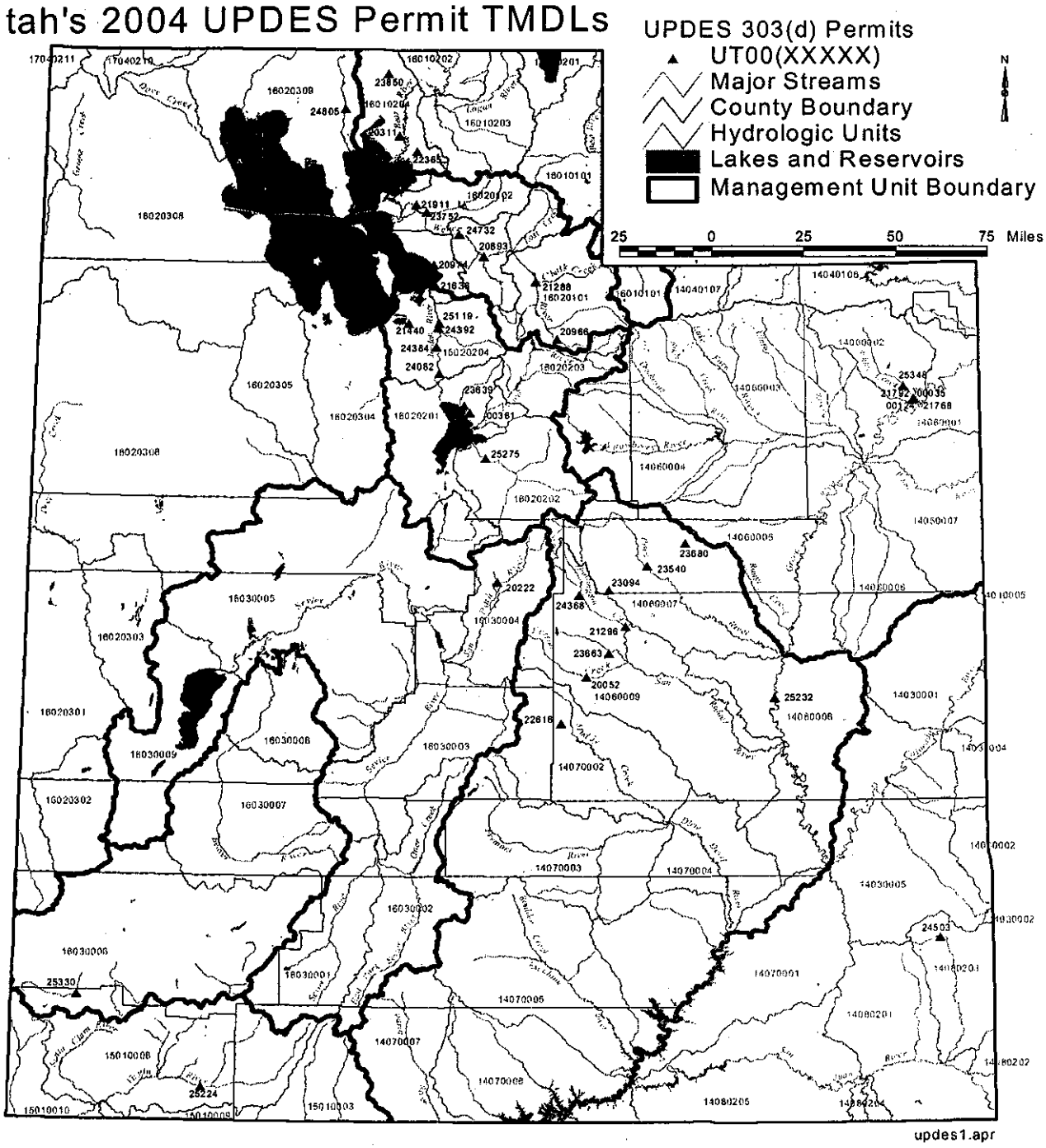


Figure 13. Utah UPDES permit TMDLs targeted for completion by April 1, 2004.

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Table 13. Category 5D: Lakes Not Fully Supporting Beneficial Uses for 2004 That Will Not be Listed Until Two Consecutive Assessment Cycles Demonstrate Impairment.							
Watershed Management Unit	Assessment Unit ID	Lake Name	Beneficial Use Class	Lake Acreage	Beneficial Use Support	Pollutant	Comments
Bear River	UT-L-16010202-013	Newton Reservoir	3A	350	PS	Temperature	Severe draw down
Cedar / Beaver	UT-L-16030006-017	Yankee Meadow Reservoir	3A	5	PS	pH	Previously listed for DO. pH exceedence is new.
Colorado River West	UT-L-14060007-005	Scofield Reservoir	3A	2,815	PS	pH	The TMDL for DO/TP was completed in 2000. Remedial actions should also reduce pH.
Colorado River West	UT-L-14070003-044	Lower Bowns Reservoir	3A	90	PS	pH	
Colorado River West	UT-L-14070005-011	Wide Hollow Reservoir	3A	145	NS	Temp*, pH	Severe draw down
Jordan River/Utah Lake	UT-L-16020203-005	Washington Lake	3A	94	PS	DO	
Lower Colorado	UT-L-15010008-018	Kolob Reservoir	3A	335	PS	DO	
Sevier River	UT-L-16030002-004	Otter Creek Reservoir	3A	2,520	PS	pH	Should be remedied by reducing P
Sevier River	UT-L-16030003-012	Redmond Lake	3A	160	NS	Temperature	Severe draw down
Sevier River	UT-L-16030004-005	Palisades Lake	3A	66	PS	DO	

Table 14. Status of TMDLs Targeted for April 2004 and other TMDLs.									
								Targeted	
							2002	for	
Watershed				Beneficial	Size		Priority	TMDL	
Management	Waterbody	Waterbody	Waterbody	Use	Miles/		for	2002	TMDL
Unit	ID	Name	Description	Class	Acres	Pollutant	TMDL	2004	Completed
			River and Streams						
Colorado River Southeast	UT14030005-009	Castle Creek	Castle Creek and tributaries from confluence with Colorado River to headwaters	4	11.88	Total Dissolved Solids	Low	No	Yes
Colorado River West	UT14060007-006	Gordon Creek	Gordon Creek from confluence with Price River to headwaters	4	51.07	Total Dissolved Solids	Low	No	Yes
Colorado River West	UT14060007-007	Price River-3	Price River and tributaries from Coal Creek confluence to Carbon Canal Diversion	4	16.66	Total Dissolved Solids	Low	No	Yes
Colorado River West	UT14060007-014	Price River-4	Price River and tributaries from near Woodside to Soldier Creek confluence	4	68.08	Total Dissolved Solids	Low	No	Yes
Colorado River West	UT14060007-015	Price River-5	Price River and tributaries from confluence w/Green River to near Woodside	4	24.53	Total Dissolved Solids	Low	No	Yes
Colorado River West	UT14060009-010	Huntington Creek-4	Huntington Creek tributaries from confluence w/Cottonwood Creek to Highway 10 crossing	4	26.95	Total Dissolved Solids	Low	No	Yes
Colorado River West	UT14060009-011	Lower Cottonwood Creek	Cottonwood Creek from confluence w/Huntington Creek to Highway 57	4	17.62	Total Dissolved Solids	Low	No	Yes
Colorado River West	UT14060009-012	Upper San Rafael	San Rafael River from Buckhorn Crossing to confluence Huntington and Cottonwood Creeks	4	30.42	Total Dissolved Solids	Low	No	Yes
Colorado River West	UT14060009-014	Lower San Rafael	San Rafael River form confluence w/Green River to Buckhorn Crossing	4	86.05	Total Dissolved Solids	Low	No	Yes
Colorado River West	UT14070002-006	Middle Muddy	Muddy Cr. and tributaries from Quitchipah Cr. confluence to U-10 xing	4	20.62	Total Dissolved Solids	Low	No	Yes
Colorado River West	UT14070002-007	Lower Quitchipah Creek	Quitchipah Cr. from confluence of Ivie Cr. to U-10 xing	4	9.33	Total Dissolved Solids	Low	No	Yes
Colorado River West	UT14070002-008	Lower Ivie Creek	Ivie Creek and tributaries from confluence w/Muddy R. to U-10 highway	4	14.1	Total Dissolved Solids	Low	No	Yes
Colorado River West	UT14070002-009	Lower Muddy Creek	Muddy Creek from confluence w/Fremont River to Quitchipah Creek confluence	4	75.87	Total Dissolved Solids	Low	No	Yes
Jordan River / Utah Lake	UT16020201-002	American Fork River-2	American Fork River and other tributaries above Tibble Fork Dam	3A	30.8	Arsenic	Low	Yes	Health Advsiory Rescinded,

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Table 14. Status of TMDLs Targeted for April 2004 and other TMDLs.									
								Targeted	
							2002	for	
Watershed				Beneficial	Size		Priority	TMDL	
Management	Waterbody	Waterbody	Waterbody	Use	Miles/		for	2002	TMDL
Unit	ID	Name	Description	Class	Acres	Pollutant	TMDL	2004	Completed
									TMDL Not Needed
Lower Colorado	UT15010003-003	Kanab Creek-2	Kanab Creek and tributaries from Reservoir Canyon to headwaters	3A	16.74	Temperature	Low	No	Incorrect delineation, did not meet description in standards, re-delineated, not assessed.
Lower Colorado	UT15010008-001	Santa Clara River-1	Santa Clara River from confluence w/ Virgin River Gunlock Reservoir	3C	23.49	Temperature	Low	Yes	Evaluating data to determine if Water Quality Standard Needs to be Changed
Lower Colorado	UT15010008-001	Santa Clara River-1	Santa Clara River from confluence w/ Virgin River Gunlock Reservoir	4	23.49	Total Dissolved Solids	Low	Yes	Yes
Lower Colorado	UT15010008-004	Virgin River-2	Virgin River and tributaries from Santa Clara confluence to Laverkin Creek confluence (except Quail Creek and Leeds Creek)	4	21.1	Total Dissolved Solids	Low	Yes	Yes, Standard to be Evaluated for Changed
Lower Colorado	UT15010008-014	North Creek-b	North from confluence with Virgin River to headwaters	4	32.02	Total Dissolved Solids	Low	Yes	Yes, Standard to be Evaluated for Changed
Lower Colorado	UT15010010-001	Virgin River-1	Virgin River from state line to Santa Clara Confluence	4	41.13	Total Dissolved Solids	Low	Yes	Yes, Standard to be Evaluated for Changed
Sevier	UT16030001-005	Sevier River-3	Sevier River and tributaries from Circleville Irrigation Diversion upstream to Horse Valley Diversion	3A	20.38	Total Phosphorus	Low	Yes	Yes, Standard to be Evaluated for Changed
Sevier	UT16030001-005	Sevier River-3	Sevier River and tributaries from Circleville Irrigation Diversion upstream to Horse Valley	3A	20.38	Sediment	High	Yes	Yes
Sevier	UT16030001-005	Sevier River-3	Sevier River and tributaries from Circleville Irrigation Diversion upstream to Horse Valley Diversion	3A	20.38	Habitat Alteration	High	Yes	New Category, TMDL Not Required
Sevier	UT16030001-007	Sevier River-2	Sevier River and tributaries from Horse Valley Diversion upstream to Long Canal Diversion excluding Panguitch Creek& Bear Creek& and	3A	65.71	Total Phosphorus	High	Yes	Yes

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Table 14. Status of TMDLs Targeted for April 2004 and other TMDLs.									
Watershed Management Unit	Waterbody ID	Waterbody Name	Waterbody Description	Beneficial Use Class	Size Miles/ Acres	Pollutant	2002 Priority for TMDL	Targeted for TMDL 2002 2004	TMDL Completed
			their tributaries						
Sevier	UT16030001-007	Sevier River-2	Sevier River and tributaries from Horse Valley Diversion upstream to Long Canal Diversion excluding Panguitch Creek& Bear Creek& and	3A	65.71	Sediment	High	Yes	Yes
Sevier	UT16030001-007	Sevier River-2	Sevier River and tributaries from Horse Valley Diversion upstream to Long Canal Diversion excluding Panguitch Creek& Bear Creek& and their tributaries	3A	65.71	Habitat Alteration	High	Yes	New Category, TMDL Not Required
Sevier	UT16030001-012	Sevier River-1	Sevier River and tributaries from Long Canal to Mammouth Creek confluence	3A	27.12	Total Phosphorus	High	Yes	Yes
Sevier	UT16030001-012	Sevier River-1	Sevier River and tributaries from Long Canal to Mammouth Creek confluence	3A	27.12	Sediment	High	Yes	Yes
Sevier	UT16030002-005	Sevier River-4	East Fork Sevier River and tributaries from confluence with Sevier River upstream to Antimony Creek confluence& excluding Otter Creek and	3A	25.32	Total Phosphorus	High	Yes	Yes
Sevier	UT16030003-003	Salina Creek-1	Salina Creek and tributaries from confluence w/Sevier River to USFS boundary	4	4.15	Total Dissolved Solids	Low	No	Yes
Sevier	UT16030003-005	Lost Creek-1	Lost Creek and tributaries from confluence w/Sevier River upstream ~ 6 miles	4	5.69	Total Dissolved Solids	Low	Yes	Yes
Sevier	UT16030003-012	Sevier River-18	Sevier River from Sevier Bridge Reservoir Dam upstream to the confluence with Salina Creek.	3B	43.64	Total Phosphorus	Low	Yes	Yes
Sevier	UT16030003-012	Sevier River-18	Sevier River from Sevier Bridge Reservoir upstream to the confluence with Salina Creek.	3B	43.64	Sediment	Low	Yes	Yes
Sevier	UT16030003-012	Sevier River-18	Sevier River from Sevier Bridge Reservoir upstream to the confluence with Salina Creek.	3B	43.64	Habitat Alteration	Low	Yes	New Category, TMDL Not Required
Sevier	UT16030003-012	Sevier River-18	Sevier River from Sevier Bridge Reservoir upstream to the confluence with Salina Creek.	4	43.64	Total Dissolved Solids	Low	Yes	Yes
Sevier	UT16030003-014	Sevier River-14	East side tributaries of Sevier River from Rocky Ford Reservoir upstream to Annabelle Diversion and below USFS boundary	4	17.96	Total Dissolved Solids	Low	Yes	Yes
Sevier	UT16030003-015	Sevier River-13	Sevier River from Rocky Ford Reservoir upstream to Annabelle Diversion	4	27.09	Total Dissolved Solids	Low	Yes	Yes
Sevier	UT16030004-001	San Pitch-1	San Pitch River and tributaries from confluence w/Sevier River to tailwater of Gunnison Reservoir	4	15.82	Total Dissolved Solids	Low	Yes	Yes

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Table 14. Status of TMDLs Targeted for April 2004 and other TMDLs.

Watershed Management Unit	Waterbody ID	Waterbody Name	Waterbody Description	Beneficial Use Class	Size Miles/ Acres	Pollutant	2002 Priority for TMDL	Targeted for TMDL 2002 2004	TMDL Completed
			excluding tributaries above USFS boundary						
Sevier	UT16030004-005	San Pitch-3	San Pitch River and tributaries from Gunnison Reservoir to U132 crossing below USFS boundary	4	59.46	Total Dissolved Solids	Low	Yes	Rollover, Evaluating Data to Determine if a new Water Quality Standard should be developed.
Sevier	UT16030005-022	Chicken Creek-2	Chicken Creek and tributaries from confluence w/Sevier River to Levan	4	4.73	Total Dissolved Solids	Low	No	Rolled Over
Sevier	UT16030005-025	Sevier River-21	Sevier River from U-132 at the northern most point of the Sevier River (near Dog Valley Wash confluence) upstream to Sevier Bridge Reservoir.	3B	33.38	Total Phosphorus	Low	Yes	Yes
Sevier	UT16030005-025	Sevier River-21	Sevier River from U-132 at the northern most point of the Sevier River (near Dog Valley Wash confluence) upstream to Sevier Bridge Reservoir.	3B	33.38	Sediment	Low	Yes	Yes
Sevier	UT16030005-025	Sevier River-21	Sevier River from U-132 at the northern most point of the Sevier River (near Dog Valley Wash confluence) upstream to Sevier Bridge Reservoir.	3B	33.38	Habitat Alteration	Low	Yes	New Category, TMDL Not Required
Sevier	UT16030005-026	Sevier River-23	Sevier River from DMAD Reservoir upstream to U-132 crossing at the northern most point of the Sevier River (near Dog Valley Wash confluence)	3B	41.45	Total Phosphorus	Low	Yes	Yes
Sevier	UT16030005-026	Sevier River-23	Sevier River from DMAD Reservoir upstream to U-132 crossing at the northern most point of the Sevier River (near Dog Valley Wash confluence)	3B	41.45	Sediment	Low	Yes	Yes
Sevier	UT16030005-026	Sevier River-23	Sevier River from DMAD Reservoir upstream to U-132 crossing at the northern most point of the Sevier River (near Dog Valley Wash confluence)	3B	41.45	Habitat Alteration	Low	Yes	New Category, TMDL Not Required
Sevier	UT16030005-026	Sevier River-23	Sevier River from DMAD Reservoir upstream to U-132 crossing at the northern most point of the Sevier River (near Dog Valley Wash confluence)	4	41.45	Total Dissolved Solids	Low	Yes	Yes
Sevier	UT16030005-027	Sevier River-25	Sevier River from Gunnison Bend Reservoir to DMAD Reservoir	3B	18.73	Total Phosphorus	Low	Yes	Yes
Sevier	UT16030005-027	Sevier River-25	Sevier River from Gunnison Bend Reservoir to DMAD Reservoir	3B	18.73	Sediment	Low	Yes	Yes
Sevier	UT16030005-027	Sevier River-25	Sevier River from Gunnison Bend Reservoir to DMAD Reservoir	3B	18.73	Habitat Alteration	Low	Yes	New Category, TMDL Not

Table 14. Status of TMDLs Targeted for April 2004 and other TMDLs.

Watershed Management Unit	Waterbody ID	Waterbody Name	Waterbody Description	Beneficial Use Class	Size Miles/ Acres	Pollutant	2002 Priority for TMDL	Targeted for TMDL 2002 2004	TMDL Completed Required
Sevier	UT16030005-027	Sevier River-25	Sevier River from Gunnison Bend Reservoir to DMAD Reservoir	4	18.73	Total Dissolved Solids	Low	Yes	Yes
Sevier	UT16030005-028	Sevier River-27	Sevier River from Crear Lake to Gunnison Bend Reservoir	4	17.99	Total Dissolved Solids	Low	Yes	Yes
Southeast Colorado River	UT14030005-009	Castle Creek	Castle Creek and tributaries from confluence with Colorado River to headwaters	4	11.88	Total Dissolved Solids	High	Yes	Yes
Uinta	UT14060002-001	Lower Ashley Creek	Ashley Creek and tributaries from confluence w/Green River upstream to Vernal Lagoons	4	15.19	Total Dissolved Solids	Low	No	TMDL Approved
Uinta	UT14060002-001	Lower Ashley Creek	Ashley Creek and tributaries from confluence w/Green River upstream to Vernal Lagoons	3B	15.19	Boron	Low	No	TMDL Approved
Weber	UT16020101-020	Silver Creek	Silver Creek from confluence w/ Weber River to headwaters	3A	21.4	Zinc	High	Yes	Yes
Weber	UT16020101-020	Silver Creek	Silver Creek from confluence w/ Weber River to headwaters	3A	21.4	Cadmium	High	Yes	Yes
			East Canyon Creek						
			Lakes and Reservoirs						
Bear River	UT-L-16010202-013	Newton Reservoir	Newton Reservoir	3A	350	Dissolved Oxygen	High	Yes	Yes
Bear River	UT-L-16010202-013	Newton Reservoir	Newton Reservoir	3A	350	Total Phosphorus	High	Yes	Yes
Lower Colorado	UT-L-15010008-001	Gunlock Reservoir	Gunlock Reservoir	3A	266	Total Phosphorus	High	Yes	Yes
Lower Colorado	UT-L-15010008-001	Gunlock Reservoir	Gunlock Reservoir	3A	266	Dissolved Oxygen	High	Yes	Yes
Sevier River	UT-L-16030001-001	Navajo Lake	Navajo Lake	3A	714	Dissolved Oxygen	High	Yes	Yes
Sevier River	UT-L-16030001-006	Panguitch Lake	Panguitch Lake	3A	1,248	Total Phosphorus	High	Yes	Yes
Sevier River	UT-L-16030001-006	Panguitch Lake	Panguitch Lake	3A	1,248	Dissolved Oxygen	High	Yes	Yes

Table 14. Status of TMDLs Targeted for April 2004 and other TMDLs.									
								Targeted	
							2002	for	
Watershed				Beneficial	Size		Priority	TMDL	
Management	Waterbody	Waterbody	Waterbody	Use	Miles/		for	2002	TMDL
Unit	ID	Name	Description	Class	Acres	Pollutant	TMDL	2004	Completed
Uinta	UT-L-14040106-019	Browne Reservoir	Browne Reservoir	3A	54	Total Phosphorus	High	Yes	TMDL Approved
Uinta	UT-L-14060003-006	Mirror Lake	Mirror Lake	3A	50	Dissolved Oxygen	High	Yes	Study Completed, Removed from List
Weber River	UT-L-16020101-001	Echo Reservoir	Echo Reservoir	3A	1,394	Total Phosphorus	High	Yes	Request Rollover, Other TMDLs completed
Weber River	UT-L-16020101-001	Echo Reservoir	Echo Reservoir	3A	1,394	Dissolved Oxygen	High	Yes	Request Rollover, Other TMDLs completed
Weber River	UT-L-16020102-014	Pineview Reservoir	Pineview Reservoir	3A	2,874	Temperature	High	Yes	Request Rollover, Other TMDLs completed

Table 15. Status of UPDES Permit TMDLs Targeted for Completion April 1, 2004								
Watershed Management Unit	Receiving Water	Waterbody ID	HUC Unit	UPDES Permit Number	Facility	Permit Renewal Date	UPDES Parameter	Status of TMDL 2002-2004
Bear River	Malad River	UT16010204-006	16010204	UT0020303	TREMONTON CITY CORP	31-Mar-03	Oxygen Dissolved	Completed
Bear River	Malad River	UT16010204-006	16010204	UT0020303	TREMONTON CITY CORP	31-Mar-03	Chlorine Total Residual	Completed
Bear River	Ditch To Cub River	UT16010202-007	16010202	UT0020907	RICHMOND- CITY	30-Sep-03	Oxygen Dissolved	Completed
Bear River	Ditch To Cub River	UT16010202-007	16010202	UT0020907	RICHMOND- CITY	30-Sep-03	Chlorine Total Residual	Completed
Bear River	Bear River Bay-GSL	UT16010204-002	16010204	UT0021148	PERRY CITY	31-Dec-03	Chlorine Total Residual	Completed
Bear River	Bear River Bay-GSL	UT16010204-002	16010204	UT0021148	PERRY CITY	31-Dec-03	Ammonia Nitrogen (N)	Completed
Cedar / Beaver River	Unnamed Dry Wash	Undefined	16030006	UT0025062	AMERICAN AZIDE CORPORATION	30-Nov-02	Milligrams per Liter	Completed
Colorado River West	Grimes Wash	UT14060009-007	14060009	UT0022896	PACIFICORP WILBERG	31-Oct-02	Total Iron	Completed
Colorado River West	Grimes Wash	UT14060009-007	14060009	UT0022896	PACIFICORP WILBERG	31-Oct-02	Solids Total Dissolved	Completed
Colorado River West	Grassy Trail Creek Rest-1	UT14060007-012	14060007	UT0024759	SUNNYSIDE COGENERATION ASSOC.	31-Jul-02	Chromium Total	Completed
Colorado River West	Grassy Trail Creek Rest-1	UT14060007-012	14060007	UT0024759	SUNNYSIDE COGENERATION ASSOC.	31-Jul-02	Zinc Total	Completed
Colorado River West	Grassy Trail Creek Rest-1	UT14060007-012	14060007	UT0024759	SUNNYSIDE COGENERATION ASSOC.	31-Jul-02	Oxygen Dissolved	Completed
Colorado River West	Grassy Trail Creek Rest-1	UT14060007-012	14060007	UT0024759	SUNNYSIDE COGENERATION ASSOC.	31-Jul-02	Chlorine Total Residual	Completed
Colorado River West	Grassy Trail Creek Rest-1	UT14060007-012	14060007	UT0024759	SUNNYSIDE COGENERATION ASSOC.	31-Jul-02	Solids Total Dissolved	Completed
Colorado River West	Cottonwood Creek	UT14060009-007	14060009	UTG040003	PACIFICORP - TRAIL MTN. MINE	30-Apr-03	Total Iron	Completed
Colorado River West	Cottonwood Creek	UT14060009-007	14060009	UTG040003	PACIFICORP - TRAIL MTN. MINE	30-Apr-03	Total Dissolved Solids	Completed
Colorado River West	Gordon Creek	UT14060007-006	14060007	UTG040004	MOUNTAIN COAL COMPANY	30-Apr-03	Total Iron	Completed
Colorado River West	Gordon Creek	UT14060007-006	14060007	UTG040004	MOUNTAIN COAL COMPANY	30-Apr-03	Total Dissolved Solids	Completed
Colorado River West	Gordon Creek	UT14060007-006	14060007	UTG040005	SAVAGE INDUSTRIES	30-Apr-03	Total Iron	Completed
Colorado River West	Gordon Creek	UT14060007-006	14060007	UTG040005	SAVAGE INDUSTRIES	30-Apr-03	Total Dissolved Solids	Completed
Colorado River West	Huntington and Bear River Creeks	UT14060009-003	14060009	UTG040006	CO-OP MINING--BEAR/TRAIL	30-Apr-03	Total Iron	Completed
Colorado River West	Huntington and Bear River Creeks	UT14060009-003	14060009	UTG040006	CO-OP MINING--BEAR/TRAIL	30-Apr-03	Total Dissolved Solids	Completed
Colorado River West	Gordon Creek Wildcat	UT14060007-005	14060007	UTG040007	ANDALEX RESOURCES-CENTENNIAL	30-Apr-03	Total Iron	Completed
Colorado River West	Gordon Creek Wildcat	UT14060007-005	14060007	UTG040007	ANDALEX RESOURCES-CENTENNIAL	30-Apr-03	Total Dissolved Solids	Completed
Colorado River West	Deadman Creek	UT14060007-007	14060007	UTG040008	ANDALEX RESOURCES-CENTENNIAL	30-Apr-03	Total Iron	Completed

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Table 15. Status of UPDES Permit TMDLs Targeted for Completion April 1, 2004

Watershed Management Unit	Receiving Water	Waterbody ID	HUC Unit	UPDES Permit Number	Facility	Permit Renewal Date	UPDES Parameter	Status of TMDL 2002-2004
Colorado River West	Deadman Creek	UT14060007-007	14060007	UTG040008	ANDALEX RESOURCES-CENTENNIAL	30-Apr-03	Total Dissolved Solids	Completed
Colorado River West	Cottonwood Creek	UT14060009-011	14060009	UTG040009	INTERWEST COAL MINING-HUNTER	30-Apr-03	Total Iron	Completed
Colorado River West	Cottonwood Creek	UT14060009-011	14060009	UTG040009	INTERWEST COAL MINING-HUNTER	30-Apr-03	Total Dissolved Solids	Completed
Colorado River West	Price River	UT14060007-014	14060007	UTG040010	NEICO (CASTLE VAL RESOURCES)	30-Apr-03	Total Iron	Completed
Colorado River West	Price River	UT14060007-014	14060007	UTG040010	NEICO (CASTLE VAL RESOURCES)	30-Apr-03	Total Dissolved Solids	Completed
Colorado River West	Grassy Trail Creek	UT14060007-012	14060007	UTG040011	CANYON FUEL CO. LCC - BANNING	30-Apr-03	Total Iron	Completed
Colorado River West	Grassy Trail Creek	UT14060007-012	14060007	UTG040011	CANYON FUEL CO. LCC - BANNING	30-Apr-03	Total Dissolved Solids	Completed
Colorado River West	Sowbelly Hardscrabble Price	UT14060007-005	14060007	UTG040012	PLATEAU MINING CORP-WILLOW CK	30-Apr-03	Total Iron	Completed
Colorado River West	Sowbelly Hardscrabble Price	UT14060007-005	14060007	UTG040012	PLATEAU MINING CORP-WILLOW CK	30-Apr-03	Total Dissolved Solids	Completed
Colorado River West	Horse Canyon	UT14060007-012	14060007	UTG040013	(IPA) HORSE CANYON MINE	30-Apr-03	Total Iron	Completed
Colorado River West	Horse Canyon	UT14060007-012	14060007	UTG040013	(IPA) HORSE CANYON MINE	30-Apr-03	Total Dissolved Solids	Completed
Colorado River West	Mud Creek/Whiskey Creek	UT14060007-002	14060007	UTG040019	LODESTAR ENERGY INC.	30-Apr-03	Total Iron	Completed
Colorado River West	Mud Creek/Whiskey Creek	UT14060007-002	14060007	UTG040019	LODESTAR ENERGY INC.	30-Apr-03	Total Dissolved Solids	Completed
Colorado River West	Dugout Creek	UT14060007-012	14060007	UTG040020	CANYON FUEL CO. LCC - DUGOUT	30-Apr-03	Total Iron	Completed
Colorado River West	Dugout Creek	UT14060007-012	14060007	UTG040020	CANYON FUEL CO. LCC - DUGOUT	30-Apr-03	Total Dissolved Solids	Completed
Colorado River West	North Fork Gordon Creek	UT14060007-006	14060007	UTG040021	LODESTAR ENERGY INC.	30-Apr-03	Total Iron	Completed
Colorado River West	North Fork Gordon Creek	UT14060007-006	14060007	UTG040021	LODESTAR ENERGY INC.	30-Apr-03	Total Dissolved Solids	Completed
Colorado River West	Grimes Wash	UT14060009-010	14060009	UTG040022	INTERWEST MINING CO	30-Apr-03	Total Iron	Completed
Colorado River West	Grimes Wash	UT14060009-010	14060009	UTG040022	INTERWEST MINING CO	30-Apr-03	Total Dissolved Solids	Completed
GSL Desert / Columbia	Blue Lakes to Great Salt Lake	Undefined	16020304	UT0021130	GRANTSVILLE CITY	31-Jan-04	Ammonia Nitrogen (N)	Scheduled 2004
GSL Desert / Columbia	Mercur and Manning Creeks	Undefined	16020304	UT0023884	BARRICK MERCUR GOLD MINES INC	31-Dec-02	Cadium Total	Completed
GSL Desert / Columbia	Mercur and Manning Creeks	Undefined	16020304	UT0023884	BARRICK MERCUR GOLD MINES INC	31-Dec-02	Copper Total	Completed
GSL Desert / Columbia	Mercur and Manning Creeks	Undefined	16020304	UT0023884	BARRICK MERCUR GOLD MINES INC	31-Dec-02	Lead Total	Completed
GSL Desert / Columbia	Mercur and Manning Creeks	Undefined	16020304	UT0023884	BARRICK MERCUR GOLD MINES INC	31-Dec-02	Zinc Total	Completed
GSL Desert / Columbia	Mercur and Manning Creeks	Undefined	16020304	UT0023884	BARRICK MERCUR GOLD MINES INC	31-Dec-02	Nitrogen	Completed
GSL Desert / Columbia	Mercur and Manning Creeks	Undefined	16020304	UT0023884	BARRICK MERCUR GOLD MINES INC	31-Dec-02	Solids Total Dissolved	Completed
GSL Desert / Columbia	Mercur and Manning Creeks	Undefined	16020304	UT0023884	BARRICK MERCUR GOLD MINES INC	31-Dec-02	Mercury Total Recoverable	Completed

Table 15. Status of UPDES Permit TMDLs Targeted for Completion April 1, 2004

Watershed Management Unit	Receiving Water	Waterbody ID	HUC Unit	UPDES Permit Number	Facility	Permit Renewal Date	UPDES Parameter	Status of TMDL 2002-2004
GSL Desert / Columbia	Mercur and Manning Creeks	Undefined	16020304	UT0023884	BARRICK MERCUR GOLD MINES INC	31-Dec-02	Cyanide Total (as CN)	Completed
GSL Desert / Columbia	Mercur and Manning Creeks	Undefined	16020304	UT0023884	BARRICK MERCUR GOLD MINES INC	31-Dec-02	Sulfate Total	Completed
Jordan River / Utah Lake	Oil Drain Canal	Undefined	16020204	UT0000175	CHEVRON U.S.A. INC	31-Dec-02	Hexavalent Chromium	Completed
Jordan River / Utah Lake	Oil Drain Canal	Undefined	16020204	UT0000175	CHEVRON U.S.A. INC	31-Dec-02	Total Chromium	Completed
Jordan River / Utah Lake	Oil Drain Canal	Undefined	16020204	UT0000175	CHEVRON U.S.A. INC	31-Dec-02	Total Recoverable Phenolics	Completed
Jordan River / Utah Lake	Oil Drain Canal	Undefined	16020204	UT0000175	CHEVRON U.S.A. INC	31-Dec-02	Ammonia Nitrogen (N)	Completed
Jordan River / Utah Lake	Oil Drain Canal	Undefined	16020204	UT0000175	CHEVRON U.S.A. INC	31-Dec-02	Total Sulfide	Completed
Jordan River / Utah Lake	Unnamed Ditch to C-7 Ditch	Undefined	16020204	UT0000701	VARIAN X-RAY TUBE PRODUCTS	31-Mar-03	Zinc Total Recoverable	Completed
Jordan River / Utah Lake	Unnamed Ditch to C-7 Ditch	Undefined	16020204	UT0000701	VARIAN X-RAY TUBE PRODUCTS	31-Mar-03	Copper Total Recoverable	Completed
Jordan River / Utah Lake	Dry Creek	UT16020202-035	16020202	UT0020109	SPANISH FORK CITY CORP	31-Jul-02	Oxygen Dissolved	Completed
Jordan River / Utah Lake	Dry Creek	UT16020202-035	16020202	UT0020109	SPANISH FORK CITY CORP	31-Jul-02	Chlorine Total Residual	Completed
Jordan River / Utah Lake	Dry Creek	UT16020202-035	16020202	UT0020109	SPANISH FORK CITY CORP	31-Jul-02	Ammonia Nitrogen (N)	Completed
Jordan River / Utah Lake	Beer Creek	UT16020202-027	16020202	UT0020249	SALEM CITY CORP	30-Nov-02	Oxygen Dissolved	Completed
Jordan River / Utah Lake	Beer Creek	UT16020202-027	16020202	UT0020249	SALEM CITY CORP	30-Nov-02	Chlorine Total Residual	Completed
Jordan River / Utah Lake	Beer Creek	UT16020202-027	16020202	UT0020249	SALEM CITY CORP	30-Nov-02	Ammonia Nitrogen (N)	Completed
Jordan River / Utah Lake	Beer Creek	UT16020202-027	16020202	UT0020427	PAYSON CITY	1-Oct-02	Arsenic Total	Completed
Jordan River / Utah Lake	Beer Creek	UT16020202-027	16020202	UT0020427	PAYSON CITY	1-Oct-02	Oxygen Dissolved	Completed
Jordan River / Utah Lake	Beer Creek	UT16020202-027	16020202	UT0020427	PAYSON CITY	1-Oct-02	Chlorine Total Residual	Completed
Jordan River / Utah Lake	Beer Creek	UT16020202-027	16020202	UT0020427	PAYSON CITY	1-Oct-02	Ammonia Nitrogen (N)	Completed
Jordan River / Utah Lake	Spring Creek	UT16020202-003	16020202	UT0020834	SPRINGVILLE- CITY OF	30-Jun-02	Oxygen Dissolved	Completed
Jordan River / Utah Lake	Spring Creek	UT16020202-003	16020202	UT0020834	SPRINGVILLE- CITY OF	30-Jun-02	Chlorine Total Residual	Completed
Jordan River / Utah Lake	Spring Creek	UT16020202-003	16020202	UT0020834	SPRINGVILLE- CITY OF	30-Jun-02	Ammonia Nitrogen (N)	Completed
Jordan River / Utah Lake	State Canal to Farmington Bir	UT16020102-050	16020204	UT0021636	S DAVIS.CO SEWER - NORTH	31-Jul-03	Oxygen Dissolved	Completed
Jordan River / Utah Lake	State Canal to Farmington Bir	UT16020102-050	16020204	UT0021636	S DAVIS CO SEWER - NORTH	31-Jul-03	Chlorine Total Residual	Completed
Jordan River / Utah Lake	State Canal to Farmington Bir	UT16020102-050	16020204	UT0021636	S DAVIS CO SEWER - NORTH	31-Jul-03	Nitrogen	Completed
Jordan River / Utah Lake	Millrace Creek	UT16020203-029	16020203	UT0021717	PROVO CITY CORP	31-Dec-03	Oxygen Dissolved	Completed
Jordan River / Utah Lake	Millrace Creek	UT16020203-029	16020203	UT0021717	PROVO CITY CORP	31-Dec-03	Chlorine Total Residual	Completed
Jordan River / Utah Lake	Millrace Creek	UT16020203-029	16020203	UT0021717	PROVO CITY CORP	31-Dec-03	Nitrogen	Completed

Table 15. Status of UPDES Permit TMDLs Targeted for Completion April 1, 2004

Watershed Management Unit	Receiving Water	Waterbody ID	HUC Unit	UPDES Permit Number	Facility	Permit Renewal Date	UPDES Parameter	Status of TMDL 2002-2004
Jordan River / Utah Lake	Oil Drain Canal	Undefined	16020204	UT0021725	SALT LAKE CITY CORP-WASTE WATER	30-Sep-03	Chlorine Total Residual	Completed
Jordan River / Utah Lake	Jordanelle Reservoir	UT16020203-026	16020203	UT0022403	UNITED PARK CITY MINES	30-Jun-02	Zinc Total Recoverable	Completed
Jordan River / Utah Lake	Jordanelle Reservoir	UT16020203-026	16020203	UT0022403	UNITED PARK CITY MINES	30-Jun-02	Aluminum Total recoverable	Completed
Jordan River / Utah Lake	Jordanelle Reservoir	UT16020203-026	16020203	UT0022403	UNITED PARK CITY MINES	30-Jun-02	Lead Total recoverable	Completed
Jordan River / Utah Lake	Jordanelle Reservoir	UT16020203-026	16020203	UT0022403.	UNITED PARK CITY MINES	30-Jun-02	Copper Total Recoverable	Completed
Jordan River / Utah Lake	Jordanelle Reservoir	UT16020203-026	16020203	UT0022403	UNITED PARK CITY MINES	30-Jun-02	Mercury Total Recoverable	Completed
Jordan River / Utah Lake	Coon Creek	Undefined	16020204	UT0024546	ALLIANT TECHSYSTEMS	31-Aug-02	Copper Total	Completed
Jordan River / Utah Lake	Coon Creek	Undefined	16020204	UT0024546	ALLIANT TECHSYSTEMS	31-Aug-02	Lead Total	Completed
Jordan River / Utah Lake	Coon Creek	Undefined	16020204	UT0024546	ALLIANT TECHSYSTEMS	31-Aug-02	Zinc Total	Completed
Jordan River / Utah Lake	Coon Creek	Undefined	16020204	UT0024546	ALLIANT TECHSYSTEMS	31-Aug-02	Aluminum Total	Completed
Jordan River / Utah Lake	Coon Creek	Undefined	16020204	UT0024546	ALLIANT TECHSYSTEMS	31-Aug-02	Benzene	Completed
Jordan River / Utah Lake	Coon Creek	Undefined	16020204	UT0024546	ALLIANT TECHSYSTEMS	31-Aug-02	Nitrogen	Completed
Jordan River / Utah Lake	Coon Creek	Undefined	16020204	UT0024546	ALLIANT TECHSYSTEMS	31-Aug-02	Phosphorus Total	Completed
Jordan River / Utah Lake	Hobble Creek	UT16020202-001	16020202	UT0025283	ENSIGN-BICKFORD - HOBBLE CREEK	31-Jan-03	Oxygen Dissolved	Completed
Jordan River / Utah Lake	Hobble Creek	UT16020202-001	16020202	UT0025283	ENSIGN-BICKFORD - HOBBLE CREEK	31-Jan-03	Nitrogen	Completed
Jordan River / Utah Lake	Hobble Creek	UT16020202-001	16020202	UT0025283	ENSIGN-BICKFORD - HOBBLE CREEK	31-Jan-03	RDX Total	Completed
Sevier River	Sevier River	UT16030003-012	16030003	UT0025291	SALINA CITY SANITARY SEWER LGN	31-Jul-02	Oxygen Dissolved	Completed
Sevier River	Sevier River	UT16030003-012	16030003	UT0025291	SALINA CITY SANITARY SEWER LGN	31-Jul-02	Chlorine Total Residual	Completed
Sevier River	Sevier River	UT16030003-012	16030003	UT0025291	SALINA CITY SANITARY SEWER LGN	31-Jul-02	Ammonia Nitrogen (N)	Completed
Uinta Basin	Duchesne River	UT14060003-006	14060003	UT0020095	DUCHESNE CITY CORP	30-Jun-02	Chlorine Total Residual	Completed
Uinta Basin	Duchesne River	UT14060003-006	14060003	UT0020095	DUCHESNE CITY CORP	30-Jun-02	Total Dissolved Solids	Completed
Weber River	Drain to Great Salt Lake	Undefined	16020102	UT0021326	PLAIN CITY CORPORATION	31-Dec-03	Chlorine Total Residual	Completed
Weber River	Ditch to Farmington Bay	Undefined	16020102	UT0021741	N DAVIS CO SEWER DIST	31-Jan-03	Chlorine Total Residual	Completed
Weber River	Ditch to Farmington Bay	Undefined	16020102	UT0021741	N DAVIS CO SEWER DIST	31-Jan-03	Ammonia Nitrogen (N)	Completed
Weber River	Ditch to Farmington Bay	Undefined	16020102	UT0021741	N DAVIS CO SEWER DIST	31-Jan-03	Mercury Total	Completed
Weber River	Stone Creek To State Canal	UT16020102-46	16020102	UT0024210	AIR PRODUCTS & CHEMICAL INC	30-Sep-03	Chlorine Total Residual	Completed
Weber River	Stone Creek To State Canal	UT16020102-46	16020102	UT0024210	AIR PRODUCTS & CHEMICAL INC	30-Sep-03	Solids Total Dissolved	Completed

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Table 15. Status of UPDES Permit TMDLs Targeted for Completion April 1, 2004

Watershed Management Unit	Receiving Water	Waterbody ID	HUC Unit	UPDES Permit Number	Facility	Permit Renewal Date	UPDES Parameter	Status of TMDL 2002-2004
Weber River	Marsh to Silver Creek	UT16020101-020	16020101	UT0024414	SNYDERVILLE BSID-SILVER CREEK	31-Aug-02	Oxygen Dissolved	Completed
Weber River	Marsh to Silver Creek	UT16020101-020	16020101	UT0024414	SNYDERVILLE BSID-SILVER CREEK	31-Aug-02	Ammonia Nitrogen (N)	Completed
Weber River	Salt Lake Canal	Undefined	16020102	UT0025305	HEXCEL CORP. - SL OPERATIONS	31-Aug-02	Arsenic Total	Completed
Weber River	Salt Lake Canal	Undefined	16020102	UT0025305	HEXCEL CORP. - SL OPERATIONS	31-Aug-02	Boron Total	Completed
Weber River	Salt Lake Canal	Undefined	16020102	UT0025305	HEXCEL CORP. - SL OPERATIONS	31-Aug-02	Cadium Total	Completed
Weber River	Salt Lake Canal	Undefined	16020102	UT0025305	HEXCEL CORP. - SL OPERATIONS	31-Aug-02	Chromium	Completed
Weber River	Salt Lake Canal	Undefined	16020102	UT0025305	HEXCEL CORP. - SL OPERATIONS	31-Aug-02	Copper Total	Completed
Weber River	Salt Lake Canal	Undefined	16020102	UT0025305	HEXCEL CORP. - SL OPERATIONS	31-Aug-02	Lead Total	Completed
Weber River	Salt Lake Canal	Undefined	16020102	UT0025305	HEXCEL CORP. - SL OPERATIONS	31-Aug-02	Selenium Total	Completed
Jordan River / Utah Lake	Powell Slough	Undefined	16020201	UT0020915	OREM CITY CORP	31-Mar-04	Oxygen Dissolved	On Schedule
Jordan River / Utah Lake	Powell Slough	Undefined	16020201	UT0020915	OREM CITY CORP	31-Mar-04	Chlorine Total Residual	On Schedule
Jordan River / Utah Lake	Storm Drain to Mill Creek	Undefined	16020204	UT0024767	RUBBER ENGINEERING	24-Feb-04	Copper Total	On Schedule
Jordan River / Utah Lake	Storm Drain to Mill Creek	Undefined	16020204	UT0024767	RUBBER ENGINEERING	24-Feb-04	Lead Total	On Schedule
Jordan River / Utah Lake	Utah Lake	Undefined	16020201	UT0025321	SARATOGA SPRINGS	31-Mar-04	Chlorine Total Residual	On Schedule

Table 16. Status of UPDES Permit TMDLs for 1998 and 2000 Cycles.

Watershed Management Unit	Receiving Water	Permit Number	Facility Name	HUC	Renewal Date	Pollutants	Status	Justification for Removal
Status of 2002 Permit TMDLs								
Bear River	Ditch To Spring Creek	UT0000281	Miller-E A Inc	16010203	31-Mar-01	Total Dissolved Solids	Completed	Awaiting Letter of Approval
Bear River	Little Bear River	UT0020371	Wellsville City Corporation	16010203	31-Dec-01	Ammonia	Completed	Awaiting Letter of Approval
Bear River	Little Bear River	UT0020371	Wellsville City Corporation	16010203	31-Dec-01	Dissolved Oxygen	Completed	Awaiting Letter of Approval
Bear River	Box Elder Creek	UT0022365	Brigham City Corp	16010204	30-Jun-00	Ammonia	Completed	Awaiting Letter of Approval
Bear River	Box Elder Creek	UT0022365	Brigham City Corp	16010204	30-Jun-00	Chlorine Residual	Completed	Awaiting Letter of Approval
Bear River	Box Elder Creek	UT0022365	Brigham City Corp	16010204	30-Jun-00	Dissolved Oxygen	Completed	Awaiting Letter of Approval
Bear River	Gully To Malad River	UT0023850	Nucor Steel-Div Of Nucor Corp	16010204	28-Feb-01	Total Dissolved Solids	Completed	Awaiting Letter of Approval
Bear River	Hansen Spring	UT0024872	Magic Valley Milk	16010203	30-May-00	Ammonia	Completed	Awaiting Letter of Approval
Bear River	Hansen Spring	UT0024872	Magic Valley Milk	16010203	30-May-00	Dissolved Oxygen	Completed	Awaiting Letter of Approval
Bear River	Hansen Spring	UT0024872	Magic Valley Milk	16010203	30-May-00	Temperature	Completed	Awaiting Letter of Approval
Cedar/Beaver	Dick Palmer Wash	UT0024848	Western Electrochemical Co	16010203	31-Aug-00	Total Dissolved Solids	Completed	Awaiting Letter of Approval
Colorado River Southeast	Ditch To Spring Creek	UT0000281	Moab- City Of	14030005	30-Sep-01	Chlorine Residual	Completed	Awaiting Letter of Approval
Colorado River Southeast	Dry Wash	UT0023922	Internation Uranium (Usa) Corp	14030005	30-Apr-00	Radium 226	Completed	Awaiting Letter of Approval
Colorado River Southeast	Dry Wash	UT0023922	Internation Uranium (Usa) Corp	14030005	30-Apr-00	Radium 226	Completed	Awaiting Letter of Approval
Colorado River Southeast	Dry Wash	UT0023922	Internation Uranium (Usa) Corp	14030005	30-Apr-00	Uranium	Completed	Awaiting Letter of Approval
Colorado River West	Price River	UT0000094	Pacificorp--Carbon	14060007	30-Nov-01	Chlorine	Completed	Awaiting Letter of Approval
Colorado River West	Price River	UT0000094	Pacificorp--Carbon	14060007	30-Nov-01	Chlorine Residual	Completed	Awaiting Letter of Approval

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Table 16. Status of UPDES Permit TMDLs for 1998 and 2000 Cycles.

Watershed Management Unit	Receiving Water	Permit Number	Facility Name	HUC	Renewal Date	Pollutants	Status	Justification for Removal
Colorado River West	Price River	UT0000094	Pacificorp--Carbon	14060007	30-Nov-01	Iron	Completed	Awaiting Letter of Approval
Colorado River West	Price River	UT0000094	Pacificorp--Carbon	14060007	30-Nov-01	Temperature	Completed	Awaiting Letter of Approval
Colorado River West	Price River	UT0000094	Pacificorp--Carbon	14060007	30-Nov-01	Total Dissolved Solids	Completed	Awaiting Letter of Approval
Colorado River West	Price River	UT0021814	Price R Water Imp Dist	14060007	31-Dec-01	Ammonia	Completed	Awaiting Letter of Approval
Colorado River West	Price River	UT0021814	Price R Water Imp Dist	14060007	31-Dec-01	Chlorine Residual	Completed	Awaiting Letter of Approval
Colorado River West	Price River	UT0021814	Price R Water Imp Dist	14060007	31-Dec-01	Dissolved Oxygen	Completed	Awaiting Letter of Approval
Colorado River West	Price River	UT0021814	Price R Water Imp Dist	14060007	31-Dec-01	Total Dissolved Solids	Completed	Awaiting Letter of Approval
Colorado River West	Quitchupah Creek	UT0022918	Canyon Fuel Co. Llc - Sufco	14070002	30-Apr-01	Iron	Completed	Awaiting Letter of Approval
Colorado River West	QuitchupUtah Creek	UT0022918	Canyon Fuel Co. Llc - Sufco	14070002	30-Apr-01	Total Dissolved Solids	Completed	Awaiting Letter of Approval
Colorado River West	Soldier Creek	UT0023680	Canyon Fuel Co. Llc - Soldier	14060007	31-Mar-01	Iron	Completed	Awaiting Letter of Approval
Colorado River West	Soldier Creek	UT0023680	Canyon Fuel Co. Llc - Soldier	14060007	31-Mar-01	Total Dissolved Solids	Completed	Awaiting Letter of Approval
Colorado River West	Serviceberry & Mudwater Creek	UT0023736	Cyprus Plateau Mining Corp.	14060009	31-Dec-01	Iron	Completed	Awaiting Letter of Approval
Colorado River West	Serviceberry & Mudwater Creek	UT0023736	Cyprus Plateau Mining Corp.	14060009	31-Dec-01	Total Dissolved Solids	Completed	Awaiting Letter of Approval
Colorado River West	Price River	UT0024635	Price R Water Imp Dist-Wtp	14060007	31-Jul-00	Aluminum	Completed	Awaiting Letter of Approval
Colorado River West	Price River	UT0024635	Price R Water Imp Dist-Wtp	14060007	31-Jul-00	Chlorine Residual	Completed	Awaiting Letter of Approval
Colorado River West	Price River	UT0024635	Price R Water Imp Dist-Wtp	14060007	31-Jul-00	Dissolved Oxygen	Completed	Awaiting Letter of Approval
Colorado River West	Green River	UT0025232	Green River Wtf	14060008	31-Jan-01	Chlorine Residual	Completed	Awaiting Letter of Approval
Colorado River West	Green River	UT0025232	Green River Wtf	14060008	31-Jan-01	Total Dissolved Solids	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	S L Abatement Canal -> Jordan River	UT0000016	Pacificorp--Gadsby*	16020204	31-Dec-01	Chlorine Residual	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	S L Abatement Canal -> Jordan River	UT0000016	Pacificorp--Gadsby*	16020204	31-Dec-01	Iron	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	Ironton Canal	UT0000370	Reilly Industries Inc	16020202	30-Jun-01	Phenolics	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	Ironton Canal	UT0000370	Reilly Industries Inc	16020202	30-Jun-01	Temperature	Completed	Awaiting Letter of Approval

Table 16. Status of UPDES Permit TMDLs for 1998 and 2000 Cycles.

Watershed Management Unit	Receiving Water	Permit Number	Facility Name	HUC	Renewal Date	Pollutants	Status	Justification for Removal
Jordan River / Utah Lake	Ironton Canal	UT0000612	Pacific States Cast Iron Pipe	14060004	30-Jun-01	Copper	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	Ironton Canal	UT0000612	Pacific States Cast Iron Pipe	14060004	30-Jun-01	Lead	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	Ironton Canal	UT0000612	Pacific States Cast Iron Pipe	14060004	30-Jun-01	Zinc	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	Kersey Creek	UT0021440	Magna Water & Sewer Dist	16020204	30-Nov-01	Chlorine Residual	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	Jordan River	UT0021628	S Davis Co Sewer - South	16020204	31-Mar-01	Ammonia	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	Jordan River	UT0021628	S Davis Co Sewer - South	16020204	31-Mar-01	Chlorine Residual	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	Jordan River	UT0021628	S Davis Co Sewer - South	16020204	31-Mar-01	Dissolved Oxygen	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	Ditch To Jordan River	UT0024082	Utah State Prison	16020204	30-Sep-00	Total Dissolved Solids	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	Ditch To Jordan River & Salt Lake	UT0024317	Utah Roses Inc-Bluffdale	16020204	30-Sep-00	Total Dissolved Solids	Completed	Awaiting Letter of Approval
Lower Colorado	Virgin River	UT0024686	St George City Corporation	15010010	31-Jul-01	Ammonia	Completed	Awaiting Letter of Approval
Lower Colorado	Virgin River	UT0024686	St George City Corporation	15010010	31-Jul-01	Dissolved Oxygen	Completed	Awaiting Letter of Approval
Lower Colorado	Virgin River	UT0024686	St George City Corporation	15010010	31-Jul-01	Silver	Completed	Awaiting Letter of Approval
Lower Colorado	Virgin River	UT0024686	St George City Corporation	15010010	31-Jul-01	Total Dissolved Solids	Completed	Awaiting Letter of Approval
Lower Colorado	Virgin River	UT0025224	Springdale Town Of	15010008	31-Dec-00	Total Dissolved Solids	Completed	Awaiting Letter of Approval
Uinta	Dry Wash	UT0023868	Ziegler Chemical & Mineral Cor	14050007	31-Jan-01	Total Dissolved Solids	Completed	Awaiting Letter of Approval
Uinta	Green River	UT0024015	Intermountain Concrete	14060001	30-Jun-01	Total Dissolved Solids	Completed	Awaiting Letter of Approval
Uinta	Unnamed Drywash Intersects Willow Creek	UT0025259	Lexco Inc.	14060006	31-Aug-01	Total Dissolved Solids	Completed	Awaiting Letter of Approval
Weber River	Ditch To Beaver Creek	UT0020966	Kamas- City Of	16020101	31-Oct-00	Ammonia	Completed	Awaiting Letter of Approval
Weber River	Ditch To Beaver Creek	UT0020966	Kamas- City Of	16020101	31-Oct-00	Dissolved Oxygen	Completed	Awaiting Letter of Approval
Weber River	Irrigation Ditch	UT0023752	Fresenius Usa Incorporated	16020102	31-Dec-00	Chlorine Residual	Completed	Awaiting Letter of Approval

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Table 16. Status of UPDES Permit TMDLs for 1998 and 2000 Cycles.

Status of 1998 Permit TMDLs

Watershed Management Unit	Receiving Water	Permit Number	Facility Name	HUC	Renewal Date	Pollutants	Status	Justification for Removal
Bear River	Ditch->Little Bear River	UT0023205	Hyrum City Corportation	16010203	30-May-98	Chlorine Residual	Completed	Awaiting Letter of Approval
Bear River	Cutler Reservoir	UT0021920	Logan City Corporation	16010203	31-Oct-98	Ammonia	Completed	Awaiting Letter of Approval
Bear River	Cutler Reservoir	UT0021920	Logan City Corporation	16010203	31-Oct-98	Chlorine Residual	Completed	Awaiting Letter of Approval
Bear River	Cutler Reservoir	UT0021920	Logan City Corporation	16010203	31-Oct-98	Dissolved Oxygen	Completed	Awaiting Letter of Approval
Bear River	Great Salt Lake	UT0021148	Perry City	16010204	28-Feb-99	Chlorine Residual	Completed	Awaiting Letter of Approval
Bear River	Malad River	UT0020311	Bear River Town of	16010204	30-Sep-99	Chlorine Residual	Completed	Awaiting Letter of Approval
GSL/Columbia	Blue Creek	UT0024805	Thiokol Corporation	16020309	28-Feb-99	Aluminum	Completed	Awaiting Letter of Approval
GSL/Columbia	Blue Creek	UT0024805	Thiokol Corporation	16020309	28-Feb-99	Ammonia	Completed	Awaiting Letter of Approval
GSL/Columbia	Blue Creek	UT0024805	Thiokol Corporation	16020309	28-Feb-99	Chlorine Residual	Completed	Awaiting Letter of Approval
GSL/Columbia	Blue Creek	UT0024805	Thiokol Corporation	16020309	28-Feb-99	Cyanide	Completed	Awaiting Letter of Approval
GSL/Columbia	Blue Creek	UT0024805	Thiokol Corporation	16020309	28-Feb-99	Silver	Completed	Awaiting Letter of Approval
GSL/Columbia	Blue Creek	UT0024805	Thiokol Corporation	16020309	28-Feb-99	Total Dissolved Solids	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	C-7 Ditch>Pine Canyon Creek>Butterfield Creek>Jordan River>West C-7 Ditch>LittleValley Wash>Great Salt Lake	UT0000005	Kennecott Copper Co.	16020204	23-May-01	Arsenic	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	C-7 Ditch>Pine Canyon Creek>Butterfield Creek>Jordan River>West C-7 Ditch>LittleValley Wash>Great Salt Lake	UT0000005	Kennecott Copper Co.	16020204	23-May-01	Cadmium	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	C-7 Ditch>Pine Canyon Creek>Butterfield Creek>Jordan River>West C-7 Ditch>LittleValley Wash>Great Salt Lake	UT0000005	Kennecott Copper Co.	16020204	23-May-01	Copper	Completed	Awaiting Letter of Approval

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Table 16. Status of UPDES Permit TMDLs for 1998 and 2000 Cycles.

Watershed Management Unit	Receiving Water	Permit Number	Facility Name	HUC	Renewal Date	Pollutants	Status	Justification for Removal
Jordan River / Utah Lake	C-7 Ditch>Pine Canyon Creek>Butterfield Creek>Jordan River>West C-7 Ditch>LittleValley Wash>Great Salt Lake	UT0000005	Kennecott Copper Co.	16020204	23-May-01	Cyanide	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	C-7 Ditch>Pine Canyon Creek>Butterfield Creek>Jordan River>West C-7 Ditch>LittleValley Wash>Great Salt Lake	UT0000005	Kennecott Copper Co.	16020204	23-May-01	Lead	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	C-7 Ditch>Pine Canyon Creek>Butterfield Creek>Jordan River>West C-7 Ditch>LittleValley Wash>Great Salt Lake	UT0000005	Kennecott Copper Co.	16020204	23-May-01	Mercury	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	C-7 Ditch>Pine Canyon Creek>Butterfield Creek>Jordan River>West C-7 Ditch>LittleValley Wash>Great Salt Lake	UT0000005	Kennecott Copper Co.	16020204	23-May-01	Total Dissolved Solids	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	C-7 Ditch>Pine Canyon Creek>Butterfield Creek>Jordan River>West C-7 Ditch>LittleValley Wash>Great Salt Lake	UT0000005	Kennecott Copper Co.	16020204	23-May-01	Total Suspended Solids	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	C-7 Ditch>Pine Canyon Creek>Butterfield Creek>Jordan River>West C-7 Ditch>LittleValley Wash>Great Salt Lake	UT0000005	Kennecott Copper Co.	16020204	23-May-01	Zinc	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	State Canal	UT0021636	S Davis Co Sewer North	16020204	30-Jun-98	Chlorine Residual	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	Oil Drain Canal	UT0021725	Salt Lake City Corp Waste Water	16020204	30-Sep-98	Chlorine Residual	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	700 West Ditch	UT0025119	Wasatch Chemical Site	16020204	31-Dec-98	Toxic Organics	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	Utah Lake	UT0020915	Orem City Corp	16020201	31-Mar-99	Ammonia	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	City Drain-Surplus Canal	UT0024988	Salt Lake City Intrntnl Airprt	16020204	31-Mar-99	Ethylene Glycol	Completed	Awaiting Letter of Approval

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Watershed Management Unit	Receiving Water	Permit Number	Facility Name	HUC	Renewal Date	Pollutants	Status	Justification for Removal
Jordan River / Utah Lake	Mill Creek	UT0024392	Central Valley Wtr Rfb Central	16020204	31-Jul-99	Ammonia	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	Mill Creek	UT0024392	Central Valley Wtr Rfb Central	16020204	31-Jul-99	Chlorine Residual	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	Mill Creek	UT0024392	Central Valley Wtr Rfb Central	16020204	31-Jul-99	Dissolved Oxygen	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	Utah Lake	UT0000361	Geneva Steel	16020201	30-Sep-99	Ammonia	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	Utah Lake	UT0000361	Geneva Steel	16020201	30-Sep-99	Benzene	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	Utah Lake	UT0000361	Geneva Steel	16020201	30-Sep-99	Benzo(a)pyrene	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	Utah Lake	UT0000361	Geneva Steel	16020201	30-Sep-99	BOD	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	Utah Lake	UT0000361	Geneva Steel	16020201	30-Sep-99	Chlorine Residual	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	Utah Lake	UT0000361	Geneva Steel	16020201	30-Sep-99	Cyanide	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	Utah Lake	UT0000361	Geneva Steel	16020201	30-Sep-99	Lead	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	Utah Lake	UT0000361	Geneva Steel	16020201	30-Sep-99	Napthalene	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	Utah Lake	UT0000361	Geneva Steel	16020201	30-Sep-99	Phenolics	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	Utah Lake	UT0000361	Geneva Steel	16020201	30-Sep-99	Total Dissolved Solids	Completed	Awaiting Letter of Approval
Jordan River / Utah Lake	Utah Lake	UT0000361	Geneva Steel	16020201	30-Sep-99	Total Suspended Solids	Completed	Awaiting Letter of Approval
Uinta	Union Irrigation Canal	UT0000035	Equity Oil Co	14060002	30-Apr-99	Total Dissolved Solids	Completed	Awaiting Letter of Approval
Uinta	Big Wash	UT0000124	Denver American Petroleum	14060002	30-Apr-99	Total Dissolved Solids	Completed	Awaiting Letter of Approval
Uinta	Union Irrigation Canal	UT0021792	Hollandsworth & Travis	14060002	30-Apr-99	Total Dissolved Solids	Completed	Awaiting Letter of Approval
Uinta	Union Irrigation Canal	UT0021768	United ilities Corp.	14060002	30-Apr-99	Total Dissolved Solids	Completed	Awaiting Letter of Approval
Weber River	Stone Creek	UT0024210	Air Products & Chemical Inc.	16020102	30-Sep-98	Chlorine Residual	Completed	Awaiting Letter of Approval
Weber River	Stone Creek	UT0024210	Air Products & Chemical Inc.	16020102	30-Sep-98	Total Dissolved Solids	Completed	Awaiting Letter of Approval
Weber River	Ditch->Dry Creek	UT0021326	Plain City Corporation	16020102	31-Dec-98	Fecal Coliform	Completed	Awaiting Letter of Approval
Weber River	East Canyon	UT0020001	Snyderville Basin Sewer Imp. District	16020101	31-Dec-98	Ammonia	Completed	Awaiting Letter of Approval

Table 16. Status of UPDES Permit TMDLs for 1998 and 2000 Cycles.

Watershed Management Unit	Receiving Water	Permit Number	Facility Name	HUC	Renewal Date	Pollutants	Status	Justification for Removal
Weber River	East Canyon	UT0020001	Snyderville Basin Sewer Imp. District	16020101	31-Dec-98	Chlorine Residual	Completed	Awaiting Letter of Approval
Weber River	Ditch->Hooper Canal->Weber River	UT0025135	Farmers Grain Cooperative	16020102	31-May-99	Trichloroethene	Completed	Awaiting Letter of Approval
Colorado River West	Ferron Creek	UT0020052	Ferron City of	14060009	31-Mar-99	BOD	Completed	Awaiting Letter of Approval
Colorado River West	Quitchupah Creek	UT0022616	Consol. Coal Co. Underground Mine	14070002	31-May-99	Total Dissolved Solids	Completed	Awaiting Letter of Approval
Colorado River West	Price River	UT0024589	Price City Water Treatment Plt	14060007	31-Jul-99	Chlorine Residual	Completed	Awaiting Letter of Approval
Colorado River West	Eccles Creek-UP Canyon Creek	UT0023540	Canyon Fuel Co. LLC Skyline	14060007	30-Sep-99	Aluminum	Completed	Awaiting Letter of Approval
Colorado River West	Huntington Creek	UT0021296	Castle Valley SSD(Huntington)	14060009	31-Oct-99	Ammonia	Completed	Awaiting Letter of Approval

REFERENCES

DWQ. 2001. Standards of quality for waters of the State, R317-2, Utah Administrative Code, Utah Department of Environmental Quality, Utah Division of Water Quality. 62 pp.

USEPA. 2004. Guidance for 2004 assessment, listing and reporting requirements pursuant to Sections 303(d) and 305(b) of the Clean Water Act. United States Environmental Protection Agency.