R317. Environmental Quality, Water Quality. R317-2. Standards of Quality for Waters of the State. R317-2-1A. Statement of Intent.

Whereas the pollution of the waters of this state constitute a menace to public health and welfare, creates public nuisances, is harmful to wildlife, fish and aquatic life, and impairs domestic, agricultural, industrial, recreational and other legitimate beneficial uses of water, and whereas such pollution is contrary to the best interests of the state and its policy for the conservation of the water resources of the state, it is hereby declared to be the public policy of this state to conserve the waters of the state and to protect, maintain and improve the quality thereof for public water supplies, for the propagation of wildlife, fish and aquatic life, and for domestic, agricultural, industrial, recreational and other legitimate beneficial uses; to provide that no waste be discharged into any waters of the state without first being given the degree of treatment necessary to protect the legitimate beneficial uses of such waters; to provide for the prevention, abatement and control of new or existing water pollution; to place first in priority those control measures directed toward elimination of pollution which creates hazards to the public health; to insure due consideration of financial problems imposed on water polluters through pursuit of these objectives; and to cooperate with other agencies of the state, agencies of other states and the federal government in carrying

R317-2-1B. Authority.

out these objectives.

These standards are promulgated pursuant to Sections 19-5-104 and 19-5-110.

R317-2-1C. Triennial Review.

The water quality standards shall be reviewed and updated, if necessary, at least once every three years. The Executive Secretary will seek input through a cooperative process from stakeholders representing state and federal agencies, various interest groups, and the public to develop a preliminary draft of changes. Proposed changes will be presented to the Water Quality Board for information. Informal public meetings may be held to present preliminary proposed changes to the public for comments and suggestions. Final proposed changes will be presented to the Water Quality Board for approval and authorization to initiate formal rulemaking. Public hearings will be held to solicit formal comments from the public. The Executive Secretary will incorporate appropriate changes and return to the Water Quality Board to petition for formal adoption of the proposed changes following the Division of Administrative Rules' rulemaking procedures.

R317-2-2. Scope.

These standards shall apply to all waters of the state and shall be assigned to specific waters through the classification procedures prescribed by Sections 19-5-104(5) and 19-5-110 and 1 5/18/2011

Comment [C1]: Significant revisions from 05102011 draft have yellow highlighting R317-2-6.

R317-2-3. Antidegradation Policy.

3.1 Maintenance of Water Quality

Waters whose existing quality is better than the established standards for the designated uses will be maintained at high quality unless it is determined by the Board, after appropriate intergovernmental coordination and public participation in concert with the Utah continuing planning process, allowing lower water quality is necessary to accommodate important economic or social development in the area in which the waters are located. However, existing instream water uses shall be maintained and protected. No water quality degradation is allowable which would interfere with or become injurious to existing instream water uses.

In those cases where potential water quality impairment associated with a thermal discharge is involved, the antidegradation policy and implementing method shall be consistent with Section 316 of the Federal Clean Water Act.

3.2 Category 3.5 Waters Waters which have been determined by the Board to be of exceptional recreational or ecological significance or have been determined to be a State or National resource requiring protection, shall be maintained at existing high quality through designation, by the Board after public hearing, as Category $\frac{3.5}{2.5}$ Waters. New point source discharges of wastewater, treated or otherwise, are prohibited in such segments after the effective date of designation. Protection of such segments from pathogens in diffuse, underground sources is covered in R317-5 and R317-7 and the Regulations for Individual Wastewater Disposal Systems (R317-501 through R317-515). Other diffuse sources (nonpoint sources) of wastes shall be controlled to the extent feasible through implementation of best management practices or regulatory programs.

Discharges may be allowed where pollution will be temporary limited after consideration of the factors in R317-2-<u>an</u>d .3.5.b.(4), and where best management practices will be employed to minimize pollution effects.

Waters of the state designated as Category 3.5 Waters are listed in R317-2-12.1.

3.3 Category <u>3</u> Waters

Category <u>3</u> Waters are designated surface water segments which are treated as Category $\frac{3.5}{3.5}$ Waters except that a point source discharge may be permitted provided that the discharge does not degrade existing water quality. Discharges may be allowed where pollution will be temporary and limited after consideration of the factors in R317-2-.3.5.b.(4), and where best management practices will be employed to minimize pollution effects. Waters of the state designated as Category <u>3</u> Waters are listed in R317-2-12.2.

3.4 Category <u>2</u> Waters

For all other waters of the state, point source discharges are allowed and degradation may occur, pursuant to the conditions and review procedures outlined in Section 3.5.

3.5 Antidegradation Review (ADR)

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An antidegradation review will determine whether the proposed activity complies with the applicable antidegradation requirements for receiving waters that may be affected.

An antidegradation review (ADR) may consist of two parts or levels. A Level I review is conducted to insure that existing uses will be maintained and protected.

Both Level I and Level II reviews will be conducted on a parameter-by-parameter basis. A decision to move to a Level II review for one parameter does not require a Level II review for other parameters. Discussion of parameters of concern is those expected to be affected by the proposed activity.

Antidegradation reviews shall include opportunities for public participation, as described in Section 3.5e.

a. Activities Subject to Antidegradation Review (ADR)

1. For all State waters, antidegradation reviews will be conducted for proposed federally regulated activities, such as those under Clean Water Act Sections 401 (FERC and other Federal actions), 402 (UPDES permits), and 404 (Army Corps of Engineers permits). The Executive Secretary may conduct an ADR on any projects with the potential for major impact on the quality of waters of the state. The review will determine whether the proposed activity complies with the applicable antidegradation requirements for the particular receiving waters that may be affected.

2. For Category <u>3.5</u> Waters and Category <u>3</u> Waters, reviews shall be consistent with the requirement established in Sections 3.2 and 3.3, respectively.

3. For Category <u>2 Waters</u>, reviews shall be consistent with the requirements established in this section

b. An Anti-degradation Level II review is not required where any of the following conditions apply:

1. Water quality will not be lowered by the proposed activity or for existing permitted facilities, water quality will not be further lowered by the proposed activity, examples include situations where:

(a) the proposed concentration-based effluent limit is less than or equal to the ambient concentration in the receiving water during critical conditions; or

(b) a UPDES permit is being renewed and the proposed effluent concentration and loading limits are equal to or less than the concentration and loading limits in the previous permit; or

(c) a UPDES permit is being renewed and new effluent limits are to be added to the permit, but the new effluent limits are based on maintaining or improving upon effluent concentrations and loads that have been observed, including variability; or

2. Assimilative capacity (based upon concentration) is not available or has previously been allocated, as indicated by water quality monitoring or modeling information. This includes situations where:

(a) the water body is included on the current 303(d) list for the parameter of concern; or

(b) existing water quality for the parameter of concern does 3 5/18/2011

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not satisfy applicable numeric or narrative water quality criteria; or

discharge limits are established in an approved TMDL (C) that is consistent with the current water quality standards for the receiving water (i.e., where TMDLs are established, and changes in effluent limits that are consistent with the existing load allocation would not trigger an antidegradation review).

Under conditions (a) or (b) the effluent limit in an UPDES permit may be equal to the water quality numeric criterion for the parameter of concern.

Water quality impacts will be temporary and related only 3. to sediment or turbidity and fish spawning will not be impaired,

4. The water quality effects of the proposed activity are expected to be temporary and limited. As general guidance, CWA Section 402 general permits, CWA Section 404 nationwide and general permits, or activities of short duration, will be deemed to have a temporary and limited effect on water quality where there is a reasonable factual basis to support such a conclusion. The 404 nationwide permits decision will be made at the time of permit issuance, as part of the Division's water quality certification under CWA Section 401. Where it is determined that the category of activities will result in temporary and limited effects, subsequent individual activities authorized under such permits will not be subject to further antidegradation review. Factors to be considered in determining whether water quality effects will be temporary and limited may include the following:

Length of time during which water quality will be (a) lowered.

Percent change in ambient concentrations of pollutants (b) of concern

(c) Pollutants affected

(d) Likelihood for long-term water quality benefits to the segment (e.g., dredging of contaminated sediments)

Potential for any residual long-term influences on (e) existing uses.

(f) Impairment of the fish spawning, survival and development of aquatic fauna excluding fish removal efforts.

c. Anti-degradation Review Process

For all activities requiring a Level II review, the Division will notify affected agencies and the public with regards to the requested proposed activity and discussions with stakeholders may In the case of Section 402 discharge permits, if it is be held. determined that a discharge will be allowed, the Division of Water Quality will develop any needed UPDES permits for public notice following the normal permit issuance process.

will following The ADR cover the requirements or determinations:

1. Will all Statutory and regulatory requirements be met?

The Executive Secretary will review to determine that there will be achieved all statutory and regulatory requirements for all new and existing point sources and all required cost-effective and reasonable best management practices for nonpoint source control in the area of the discharge. If point sources exist in the area 5/18/2011

that have not achieved all statutory and regulatory requirements, the Executive Secretary will consider whether schedules of compliance or other plans have been established when evaluating whether compliance has been assured. Generally, the "area of the discharge" will be determined based on the parameters of concern associated with the proposed activity and the portion of the receiving water that would be affected.

2. Are there any reasonable less-degrading alternatives?

There will be an evaluation of whether there are any reasonable non-degrading or less degrading alternatives for the proposed activity. This question will be addressed by the Division based on information provided by the project proponent. Control alternatives for a proposed activity will be evaluated in an effort to avoid or minimize degradation of the receiving water.

Alternatives to be considered, evaluated, and implemented to the extent feasible, could include pollutant trading, water conservation, water recycling and reuse, land application, total containment, etc.

For proposed UPDES permitted discharges, the following list of alternatives should be considered, evaluated and implemented to the extent feasible:

(a) innovative or alternative treatment options

(b) more effective treatment options or higher treatment levels

(c) connection to other wastewater treatment facilities

(d) process changes or product or raw material substitution

(e) seasonal or controlled discharge options to minimize discharging during critical water quality periods

(f) pollutant trading

(g) water conservation

(h) water recycle and reuse

(i) alternative discharge locations or alternative receiving waters

- (j) land application
- (k) total containment

(1) improved operation and maintenance of existing treatment systems

(m) other appropriate alternatives

An option more costly than the cheapest alternative may have to be implemented if a substantial benefit to the stream can be realized. Alternatives would generally be considered feasible where costs are no more than 20% higher than the cost of the discharging alternative, and (for POTWs) where the projected per connection service fees are not greater than 1.4% of MAGHI (median adjusted gross household income), the current affordability criterion now being used by the Water Quality Board in the wastewater revolving loan program. Alternatives within these cost ranges should be carefully considered by the discharger. Where State financing is appropriate, a financial assistance package may be influenced by this evaluation, i.e., a less polluting alternative may receive a more favorable funding arrangement in order to make it a more financially attractive alternative.

It must also be recognized in relationship to evaluating 5 5/18/2011

options that would avoid or reduce discharges to the stream, that in some situations it may be more beneficial to leave the water in the stream for instream flow purposes than to remove the discharge to the stream.

3. Special Procedures for 404 Permits.

For 404 permitted activities, all appropriate alternatives to avoid and minimize degradation should be evaluated. Activities involving a discharge of dredged or fill materials that are considered to have more than minor adverse affects on the aquatic environment are regulated by individual CWA Section 404 permits. The decision-making process relative to the 404 permitting program is contained in the 404(b)(1) guidelines (40 CFR Part 230). Prior to issuing a permit under the 404(b)(1) guidelines, the Corps of Engineers:

(a) makes a determination that the proposed activity discharges are unavoidable (i.e., necessary):

(b) examines alternatives to the proposed activity and authorize only the least damaging practicable alternative; and

(c) requires mitigation for all impacts associated with the activity. A 404(b)(1) finding document is produced as a result of this procedure and is the basis for the permit decision. Public participation is provided for in the process. Because the 404(b)(1) guidelines contains an alternatives analysis, the executive secretary will not require development of a separate alternatives analysis for the anti-degradation review. The division will use the analysis in the 404(b)(1) finding document in completing its anti-degradation review and 401 certification.

4. Does the proposed activity have economic and social importance?

Although it is recognized that any activity resulting in a discharge to surface waters will have positive and negative aspects, information must be submitted by the applicant that any discharge or increased discharge will be of economic or social importance in the area.

The factors addressed in such a demonstration may include, but are not limited to, the following:

(a) employment (i.e., increasing, maintaining, or avoiding a reduction in employment);

(b) increased production;

(c) improved community tax base;

(d) housing;

(e) correction of an environmental or public health problem; and

(f) other information that may be necessary to determine the social and economic importance of the proposed surface water discharge.

5. The applicant may submit a proposal to mitigate any adverse environmental effects of the proposed activity (e.g., instream habitat improvement, bank stabilization). Such mitigation plans should describe the proposed mitigation measures and the costs of such mitigation. Mitigation plans will not have any effect on effluent limits or conditions included in a permit (except possibly where a previously completed mitigation project 6 5/18/2011 has resulted in an improvement in background water quality that affects a water quality-based limit). Such mitigation plans will be developed and implemented by the applicant as a means to further minimize the environmental effects of the proposed activity and to increase its socio-economic importance. An effective mitigation plan may, in some cases, allow the Executive Secretary to authorize proposed activities that would otherwise not be authorized.

6. Will water quality standards be violated by the discharge?

Proposed activities that will affect the quality of waters of the state will be allowed only where the proposed activity will not violate water quality standards.

7. Will existing uses be maintained and protected?

Proposed activities can only be allowed if "existing uses" will be maintained and protected. No UPDES permit will be allowed which will permit numeric water quality standards to be exceeded in a receiving water outside the mixing zone. In the case of nonpoint pollution sources, the non-regulatory Section 319 program now in place will address these sources through application of best management practices to ensure that numeric water quality standards are not exceeded.

8. If a situation is found where there is an existing use which is a higher use (i.e., more stringent protection requirements) than that current designated use, the Division will apply the water quality standards and anti-degradation policy to protect the existing use. Narrative criteria may be used as a basis to protect existing uses for parameters where numeric criteria have not been adopted. Procedures to change the stream use designation to recognize the existing use as the designated use would be initiated.

d. Special Procedures for Drinking Water Sources

An Antidegradation Level II Review will be required by the Executive Secretary for discharges to waters with a Class 1C drinking water use assigned.

Depending upon the locations of the discharge and its proximity to downstream drinking water diversions, additional treatment or more stringent effluent limits or additional monitoring, beyond that which may otherwise be required to meet minimum technology standards or in stream water quality standards, may be required by the Executive Secretary in order to adequately protect public health and the environment. Such additional treatment may include additional disinfection, suspended solids removal to make the disinfection process more effective, removal of any specific contaminants for which drinking water maximum contaminant levels (MCLs) exists, and/or nutrient removal to reduce the organic content of raw water used as a source for domestic water systems.

Additional monitoring may include analyses for viruses, Giardia, Cryptosporidium, other pathogenic organisms, and/or any contaminant for which drinking water MCLs exist. Depending on the results of such monitoring, more stringent treatment may then be required.

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The additional treatment/effluent limits/monitoring which may be required will be determined by the Executive Secretary after consultation with the Division of Drinking Water and the downstream drinking water users.

e. Public Notice

The public will be provided notice and an opportunity to comment on the conclusions of all completed antidegradation reviews. Where possible, public notice on the antidegradation review conclusions will be combined with the public notice on the proposed permitting action. In the case of UPDES permits, public notice will be provided through the normal permitting process, as all draft permits are public noticed for 30 days, and public comment solicited, before being issued as a final permit. The Statement of Basis for the draft UPDES permit will contain information on how the ADR was addressed including results of the Level I and Level II reviews. In the case of Section 404 permits from the Corps of Engineers, the Division of Water Quality will develop any needed 401 Certifications and the public notice will be published in conjunction with the US Corps of Engineers public notice procedures. Other permits requiring a Level II review will receive a separate public notice according to the normal State public notice procedures.

f. Implementation Procedures

The Executive Secretary shall establish reasonable protocols and guidelines (1) for completing technical, social, and economic need demonstrations, (2) for review and determination of adequacy of Level II ADRs and (3) for determination of additional treatment requirements. Protocols and guidelines will consider federal guidance and will include input from local governments, the regulated community, and the general public. The Executive Secretary will inform the Water Quality Board of any protocols or guidelines that are developed.

R317-2-4. Colorado River Salinity Standards.

In addition to quality protection afforded by these regulations to waters of the Colorado River and its tributaries, such waters shall be protected also by requirements of "Proposed Water Quality Standards for Salinity including Numeric Criteria and Plan of Implementation for Salinity Control, Colorado River System, June 1975" and a supplement dated August 26, 1975, entitled "Supplement, including Modifications to Proposed Water Quality Standards for Salinity including Numeric Criteria and Plan of Implementation for Salinity Control, Colorado River System, June 1975", as approved by the seven Colorado River Basin States and the U.S. Environmental Protection Agency, as updated by the 1978 Revision and the 1981, 1984, 1987, 1990, 1993, 1996, 1999, 2002, 2005, and 2008 Reviews of the above documents.

R317-2-5. Mixing Zones.

A mixing zone is a limited portion of a body of water, contiguous to a discharge, where dilution is in progress but has not yet resulted in concentrations which will meet certain standards for all pollutants. At no time, however, shall 8 5/18/2011

concentrations within the mixing zone be allowed which are acutely lethal as determined by bioassay or other approved procedure. Mixing zones may be delineated for the purpose of guiding sample collection procedures and to determine permitted effluent limits. The size of the chronic mixing zone in rivers and streams shall not to exceed 2500 feet and the size of an acute mixing zone shall not exceed 50% of stream width nor have a residency time of greater than 15 minutes. Streams with a flow equal to or less than twice the flow of a point source discharge may be considered to be totally mixed. The size of the chronic mixing zone in lakes and reservoirs shall not exceed 200 feet and the size of an acute mixing zone shall not exceed 35 feet. Domestic wastewater effluents discharged to mixing zones shall meet effluent requirements specified in R317-1-3.

requirements specified in R317-1-3. 5.1 Individual Mixing Zones. Individual mixing zones may be further limited or disallowed in consideration of the following factors in the area affected by the discharge:

a. Bioaccumulation in fish tissues or wildlife,

b. Biologically important areas such as fish spawning/nursery areas or segments with occurrences of federally listed threatened or endangered species,

c. Potential human exposure to pollutants resulting from drinking water or recreational activities,

d. Attraction of aquatic life to the effluent plume, where toxicity to the aquatic life is occurring.

e. Toxicity of the substance discharged,

f. Zone of passage for migrating fish or other species (including access to tributaries), or

g. Accumulative effects of multiple discharges and mixing zones.

R317-2-6. Use Designations.

The Board as required by Section 19-5-110, shall group the waters of the state into classes so as to protect against controllable pollution the beneficial uses designated within each class as set forth below. Surface waters of the state are hereby classified as shown in R317-2-13.

6.1 Class 1 -- Protected for use as a raw water source for domestic water systems.

a. Class 1A -- Reserved.

b. Class 1B -- Reserved.

c. Class 1C -- Protected for domestic purposes with prior treatment by treatment processes as required by the Utah Division of Drinking Water

6.2 Class 2 -- Protected for recreational use and aesthetics.

a. Class 2A -- Protected for frequent primary contact recreation where there is a high likelihood of ingestion of water or a high degree of bodily contact with the water. Examples include, but are not limited to, swimming, rafting, kayaking, diving, and water skiing.

b. Class 2B -- Protected for infrequent primary contact recreation. Also protected for secondary contact recreation where 9 5/18/2011 there is a low likelihood of ingestion of water or a low degree of bodily contact with the water. Examples include, but are not limited to, wading, hunting, and fishing.

6.3 Class 3 -- Protected for use by aquatic wildlife.

a. Class 3A -- Protected for cold water species of game fish and other cold water aquatic life, including the necessary aquatic organisms in their food chain.

b. Class 3B -- Protected for warm water species of game fish and other warm water aquatic life, including the necessary aquatic organisms in their food chain.

c. Class 3C -- Protected for nongame fish and other aquatic life, including the necessary aquatic organisms in their food chain.

d. Class 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.

e. Class 3E -- Severely habitat-limited waters. Narrative standards will be applied to protect these waters for aquatic wildlife.

6.4 Class 4 -- Protected for agricultural uses including irrigation of crops and stock watering.

6.5 Class 5 -- The Great Salt Lake.

a. Class 5A Gilbert Bay

Geographical Boundary -- All open waters at or below approximately 4,208-foot elevation south of the Union Pacific Causeway, excluding all of the Farmington Bay south of the Antelope Island Causeway and salt evaporation ponds.

Beneficial Uses -- Protected for frequent primary and secondary contact recreation, waterfowl, shore birds and other water-oriented wildlife including their necessary food chain.

b. Class 5B Gunnison Bay

Geographical Boundary -- All open waters at or below approximately 4,208-foot elevation north of the Union Pacific Causeway and west of the Promontory Mountains, excluding salt evaporation ponds.

Beneficial Uses -- Protected for infrequent primary and secondary contact recreation, waterfowl, shore birds and other water-oriented wildlife including their necessary food chain.

c. Class 5C Bear River Bay

Geographical Boundary -- All open waters at or below approximately 4,208-foot elevation north of the Union Pacific Causeway and east of the Promontory Mountains, excluding salt evaporation ponds.

Beneficial Uses -- Protected for infrequent primary and secondary contact recreation, waterfowl, shore birds and other water-oriented wildlife including their necessary food chain.

d. Class 5D Farmington Bay

Geographical Boundary -- All open waters at or below approximately 4,208-foot elevation east of Antelope Island and south of the Antelope Island Causeway, excluding salt evaporation ponds.

Beneficial Uses -- Protected for infrequent primary and secondary contact recreation, waterfowl, shore birds and other 10 5/18/2011 water-oriented wildlife including their necessary food chain.

e. Class 5E Transitional Waters along the Shoreline of the Great Salt Lake Geographical Boundary -- All waters below approximately 4,208-foot elevation to the current lake elevation of the open water of the Great Salt Lake receiving their source water from naturally occurring springs and streams, impounded wetlands, or facilities requiring a UPDES permit. The geographical areas of these transitional waters change corresponding to the fluctuation of open water elevation.

Beneficial Uses -- Protected for infrequent primary and secondary contact recreation, waterfowl, shore birds and other water-oriented wildlife including their necessary food chain.

R317-2-7. Water Quality Standards. 7.1 Application of Standards

The numeric criteria listed in R317-2-14 shall apply to each of the classes assigned to waters of the State as specified in R317-2-6. It shall be unlawful and a violation of these regulations for any person to discharge or place any wastes or other substances in such manner as may interfere with designated uses protected by assigned classes or to cause any of the applicable standards to be violated, except as provided in R317-1-3.1. At a minimum, assessment of the beneficial use support for waters of the state will be conducted biennially and available for a 30-day period of public comment and review. Monitoring locations and target indicators of water quality standards shall be prioritized and published yearly. For water quality assessment purposes, up to 10 percent of the representative samples may exceed the minimum or maximum criteria for dissolved oxygen, pH, E. coli, total dissolved solids, and temperature, including situations where such criteria have been adopted on a sitespecific basis. <u>Site-specific criterion may be allowed if</u> promulgated in R317-2 and where:

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a. Natural conditions prevent the attainment of a criterion. b. Irreversible conditions prevent the attainment of a criterion. <u>c. Modifications are supported by standardized tests such as</u> <u>bioassays, biotic liqand model, water effects ratio, or other</u> <u>scientific</u>ally rigorous methods approved by the Executive Secretary. In addition to the criteria specified in R317-2-7.1.a., b., and <u>c. Site-specific TDS criterion can be adopted when a less</u> stringent criterion and/or date-specified criterion is protective existing and attainable agricultural uses or a more stringent

riterion is attainable and necessary for the protection of

ensitive crops 7.2 Narrative Standards

It shall be unlawful, and a violation of these regulations, for any person to discharge or place any waste or other substance in such a way as will be or may become offensive such as unnatural deposits, floating debris, oil, scum or other nuisances such as color, odor or taste; or cause conditions which produce undesirable aquatic life or which produce objectionable tastes in edible aquatic organisms; or result in concentrations or 11 5/18/2011

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combinations of substances which produce undesirable physiological responses in desirable resident fish, or other desirable aquatic life, or undesirable human health effects, as determined by bioassay or other tests performed in accordance with standard procedures.

R317-2-8. Protection of Downstream Uses.

All actions to control waste discharges under these regulations shall be modified as necessary to protect downstream designated uses.

R317-2-9. Intermittent Waters.

Failure of a stream to meet water quality standards when stream flow is either unusually high or less than the 7-day, 10year minimum flow shall not be cause for action against persons discharging wastes which meet both the requirements of R317-1 and the requirements of applicable permits.

R317-2-10. Laboratory and Field Analyses.

10.1 Laboratory Analyses

All laboratory examinations of samples collected to determine compliance with these regulations shall be performed in accordance with standard procedures as approved by the Utah Division of Water Quality by the Utah Office of State Health Laboratory or by a laboratory certified by the Utah Department of Health. 10.2 Field Analyses All field analyses to determine compliance with these

regulations shall be conducted in accordance with standard procedures specified by the Utah Division of Water Quality.

R317-2-11. Public Participation.

Public hearings will be held to review all proposed revisions of water quality standards, designations and classifications, and public meetings may be held for consideration of discharge requirements set to protect water uses under assigned classifications.

R317-2-12. Category <u>3.5</u> and Category <u>3</u> Waters.

12.1 Category 3.5 Waters. In addition to assigned use classes, the following surface waters of the State are hereby designated as Category 3.5 Waters: All surface waters geographically located within the a. outer boundaries of U.S. National Forests whether on public or

private lands with the following exceptions:

Category 3 Waters as listed in R317-2-12.2. Weber River, a tributary to the Great Salt Lake, in the Weber River Drainage from Uintah to Mountain Green.

b. Other surface waters, which may include segments within U.S. National Forests as follows:

1. Colorado River Drainage

Calf	Creek	and	tributaries,	from	confluence	with	Escalante		
River to headwaters.									
Sand	Creek	and	tributaries,	from	confluence	with	Escalante		
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River to headwaters. Mamie Creek and tributaries, from confluence with Escalante River to headwaters. Deer Creek and tributaries, from confluence with Boulder Creek to headwaters (Garfield County). Indian Creek and tributaries, through Newspaper Rock State Park to headwaters. 2. Green River Drainage Price River (Lower Fish Creek from confluence with White River to Scofield Dam. Range Creek and tributaries, from confluence with Green River to headwaters. Strawberry River and tributaries, from confluence with Red Creek to headwaters. Ashley Creek and tributaries, from Steinaker diversion to headwaters. Jones Hole Creek and tributaries, from confluence with Green River to headwaters. Green River, from state line to Flaming Gorge Dam. Tollivers Creek, from confluence with Green River to headwaters. Allen Creek, from confluence with Green River to headwaters. 3. Virgin River Drainage North Fork Virgin River and tributaries, from confluence with East Fork Virgin River to headwaters. East Fork Virgin River and tributaries from confluence with North Fork Virgin River to headwaters. 4. Kanab Creek Drainage Kanab Creek and tributaries, from irrigation diversion at confluence with Reservoir Canyon to headwaters. 5. Bear River Drainage Swan Creek and tributaries, from Bear Lake to headwaters. North Eden Creek, from Upper North Eden Reservoir to headwaters. Big Creek and tributaries, from Big Ditch diversion to headwaters. Woodruff Creek and tributaries, from Woodruff diversion to headwaters. 6. Weber River Drainage Burch Creek and tributaries, from Harrison Boulevard in Ogden to headwaters. Hardscrabble Creek and tributaries, from confluence with East Canyon Creek to headwaters. Chalk Creek and tributaries, from Main Street in Coalville to headwaters. Weber River and tributaries, from Utah State Route 32 pear Oakley to headwaters. 7. Jordan River Drainage City Creek and tributaries, from City Creek Water Treatment Plant to headwaters (Salt Lake County). Emigration Creek and tributaries, from Hogle Zoo to headwaters (Salt Lake County). Red Butte Creek and tributaries, from Foothill Boulevard in 13 5/18/2011

Comment [C8]: #16 on 04202011 2011 List Deleted: U.S. Highway 189 Comment [C9]: #16 on 04202011 2011 List Deleted: U.S. Highway 189 Deleted: Salt Lake City to headwaters. Parley's Creek and tributaries, from 13th East in Salt Lake City to headwaters. Mill Creek and tributaries, from Wasatch Boulevard in Salt Lake City to headwaters. Big Cottonwood Creek and tributaries, from Wasatch Boulevard in Salt Lake City to headwaters. Little Willow Creek and tributaries, from diversion to headwaters (Salt Lake County.) Bell Canyon Creek and tributaries, from Lower Bells Canyon Reservoir to headwaters (Salt Lake County). South Fork of Dry Creek and tributaries, from Draper Irrigation Company diversion to headwaters (Salt Lake County). 8. Provo River Drainage Upper Falls drainage above Provo City diversion (Utah County). Bridal Veil Falls drainage above Provo City diversion (Utah County). Lost Creek and tributaries, above Provo City diversion (Utah County). 9. Sevier River Drainage Chicken Creek and tributaries, from diversion at canyon mouth to headwaters. Pigeon Creek and tributaries, from diversion to headwaters. East Fork of Sevier River and tributaries, from Kingston diversion to headwaters. Parowan Creek and tributaries, from Parowan City to headwaters. Summit Creek and tributaries, from Summit City to headwaters. Braffits Creek and tributaries, from canyon mouth to headwaters. Right Hand Creek and tributaries, from confluence with Coal Creek to headwaters. 10. Raft River Drainage Clear Creek and tributaries, from state line to headwaters (Box Elder County). Birch Creek (Box Elder County), from state line to headwaters. Cotton Thomas Creek from confluence with South Junction Creek to headwaters. 11. Western Great Salt Lake Drainage All streams on the south slope of the Raft River Mountains above 7000' mean sea level. Donner Creek (Box Elder County), from irrigation diversion to Utah-Nevada state line. Bettridge Creek (Box Elder County), from irrigation diversion to Utah-Nevada state line. Clover Creek, from diversion to headwaters. All surface waters on public land on the Deep Creek Mountains. 12. Farmington Bay Drainage Creek and tributaries, from Highway Holmes US-89 to headwaters (Davis County). 5/18/2011 14

	Shepard Creek and tributa headwaters (Davis County). Farmington Creek and tr diversion to headwaters (Davis Steed Creek and tributar: (Davis County). 12.2 Category <u>3</u> Waters. In addition to assigned waters of the State are hereby a. Green River Drainage Deer Creek, a tributary	ributaries s County). ies, from use clas designate	, from Highwa ses, t ed as (Heigh Y US-89 The fol Category	Bench (to headwa lowing sur <u>3</u> Waters	Canal aters rface	Deleted: 2 Deleted: 2
	boundary to 4800 feet upstream	1.					
	Electric Lake.						Comment [C10]: #17 on the 04202011 2011 List
	R317-2-13. Classification of a. Colorado River Draina 13.1 Upper Colorado Rive	age	the St	tate (se	e R317-2-	6).	Deleted: b. Weber River Drainage¶ Weber River from Uintah to Mountain Green.
		TABLE					
	Paria River and tributaries, from state line to headwaters			2B	3C	4	
	All tributaries to Lake Powell, except as listed below Tributaries to Escalante River confluence with Boulder Creek	from		2B 3	В	4	
	headwaters, including Boulder			2B 3A		4	
	Dirty Devil River and tributaries, from Lake Powell to Fremont River			2B	3C	4	
	Deer Creek and tributaries,						
	from confluence with Boulder Creek to headwaters			2B 3A		4	
	Fremont River and tributaries, from confluence with Muddy Creek to Capitol						
	Reef National Park, except as listed below		1C	2B	3C	4	
	Pleasant Creek and tributaries, from confluenc with Fremont Rive to East boundary of Capitol Reef National Park	e.		2B	3C	4	
	Pleasant Creek and tributaries, from East	15			5/18/	2011	

boundary of Capitol Reef National Park to headwaters 1C 2B 3A

tribu Reef	nt River and taries, through Capitol National Park to aters	1C 2A	<u> </u>	3A			4	Comment [C11]: #5 on the 04202011 2011 List
	Creek and tributaries,							Deleted:
	confluence with Fremont to Highway U-10						` `.	Deleted: 2B
	ing, except as listed		2B		3C		4	
Tr	itchupah Creek and ibutaries, from Highway 10 crossing to headwaters		2B	ЗA			4	
fr	ie Creek and tributaries, om Highway U-10 to adwaters		2B	3A			4	
from	[.] Creek and tributaries, Highway U-10 crossing adwaters	1C	2B	3A			4	
Tribu Powel	uan River and taries, from Lake l to state line except As d below:	1C 2A			3B		4	
t W	ohnson Creek and ributaries, from confluence rith Recapture Creek to eadwaters	1C	2B	3A			4	
f	erdure Creek and tributaries, rom Highway US-191 crossing o headwaters		2B	3A			4	
f	orth Creek and tributaries, rom confluence with Montezuma reek to headwaters	1C	2B	ЗA			4	
f	outh Creek and tributaries, rom confluence with Montezuma reek to headwaters	1C	2B	3A			4	
f	pring Creek and tributaries, rom confluence with Vega reek to headwaters		2B	3A			4	
Μ	Contezuma Creek and tributaries, 16					5/18/2	2011	

from U.S. Highway 191 to headwaters	1C		2B	3A			4
Colorado River and tributaries, from Lake Powell to state line except as listed below	1C	2A			3B		4
Indian Creek and tributaries, through Newspaper Rock State Park to headwaters	1C		2B	3A			4
Kane Canyon Creek and tributaries, from confluence with Colorado River to headwaters			2B			3C	4
Mill Creek and tributaries, from confluence with Colorado River to headwaters	1C		2B	3A			4
Dolores River and tributaries, from confluence with Colorado River to state line			2B			3C	4
Roc Creek and tributaries, from confluence with Dolores River to headwaters			2B	3A			4
LaSal Creek and tributaries, from state line to headwaters			2B	3A			4
Lion Canyon Creek and tributaries, from state line to headwaters			2B	3A			4
Little Dolores River and tributaries, from confluence with Colorado River to state line			2B			3C	4
Bitter Creek and tributaries, from confluence with Colorado River to headwaters			2B			3C	4
b. Green River Drainage							
TABLE							
Green River and tributaries, from confluence with Colorado River to state line except as listed below:	1C	2A			3B		4
Thompson Creek and tributaries from Interstate Highway 70 to headwaters 17			2B			3C 5/18/2	4 2011

with Green River to confluence with Ferron Creek2B3C4Ferron Creek and tributaries, from confluence with San2B3C4Rafael River to Millsite Reservoir2B3C4Perron Creek and tributaries, from Millsite Reservoir to headwaters1C2B3A4Huntington Creek and tributaries, from confluence with Cottonwood Creek to Highway U-10 crossing1C2B3A4Huntington Creek and tributaries, from Highway U-10 crossing to headwaters1C2B3A4Cottonwood Creek and tributaries, from confluence with Huntington Creek to2B3C4Highway U-57 crossing tributaries, from Highway U-57 crossing to headwaters1C2B3A4Cottonwood Creek and tributaries, from Highway U-57 crossing to headwaters1C2B3A4Cottonwood Canal, Emery County1C2B3E4Price River and tributaries, from confluence with Green River to Carbon Canal Diversion at Price City Golf Course2B3C4Price River and tributaries, from Grassy Trail Creek and tributaries, from Grassy1C2B3A4Price River and tributaries, from Grabon Canal Diversion at Price City Golf Course2B3A4Price River and tributaries, from Grabon Canal Diversion at Price City Golf Course2B3A4Price River and tributaries, from Grabon Canal Diversion at Price City Golf Course2B3A4Price River and tributari	San Rafael River and tributaries, from confluence					
from confluence with San Rafael River to Millsite Reservoir 2B 3C 4 Ferron Creek and tributaries, from Millsite Reservoir to headwaters 1C 2B 3A 4 Huntington Creek and tributaries, from Confluence with Cottonwood Creek to Highway U-10 crossing 2B 3C 4 Huntington Creek and tributaries, from Highway U-10 crossing to headwaters 1C 2B 3A 4 Cottonwood Creek and tributaries, from confluence with Huntington Creek to Highway U-57 crossing 2B 3C 4 Cottonwood Creek and tributaries, from Highway U-57 crossing to headwaters 1C 2B 3A 4 Cottonwood Creek and tributaries, from Highway U-57 crossing to headwaters 1C 2B 3A 4 Cottonwood Canal, Emery County 1C 2B 3E 4 Price River and tributaries, from Grassy Trail Creek Reservoir to headwaters 1C 2B 3A 4 Price River and tributaries, from Grassy Trail Creek Reservoir to headwaters 1C 2B 3A 4 Price River and tributaries, from Grassy Trail Creek Reservoir to headwaters 1C 2B 3A 4 Price River and tributaries, from Grassy Trail Creek Reservoir to headwaters 1C 2B 3A 4 Price River and tributaries, from Canal Diversion at Price City Golf Course to Price City Water Water Treatment Plant intake. 2B 3A 4	with Green River to confluence	ce	2B	3C		4
Reservoir2B3C4Ferron Creek and tributaries, from Millsite Reservoir to headwaters1C2B3A4Huntington Creek and tributaries, from confluence with Cottonwood Creek to Highway U-10 crossing2B3C4Huntington Creek and tributaries, from Highway U-10 crossing to headwaters1C2B3A4Cottonwood Creek and tributaries, from confluence with Huntington Creek and tributaries, from confluence with Huntington Creek and tributaries, from Highway U-57 crossing2B3C4Cottonwood Creek and tributaries, from Highway U-57 crossing to headwaters1C2B3A4Cottonwood Creek and tributaries, from Highway U-57 crossing to headwaters1C2B3C4Cottonwood Canal, Emery County1C2B3E4Price River and tributaries, from confluence with Green River to Carbon Canal Diversion at Price City Golf Course2B3C4Except as listed below Grassy Trail Creek and tributaries, from Grassy1C2B3A4Price River and tributaries, from Carbon Canal Diversion at Price City Golf Course to Price City Water Water Treatment Plant intake.2B3A4						
from Millsite Reservoir to headwaters 1C 2B 3A 4 Huntington Creek and tributaries, from confluence with Cottonwood Creek to Highway U-10 crossing 2B 3C 4 Huntington Creek and tributaries, from Highway U-10 crossing to headwaters 1C 2B 3A 4 Cottonwood Creek and tributaries, from confluence with Huntington Creek to Highway U-57 crossing 2B 3C 4 Cottonwood Creek and tributaries, from Highway U-57 crossing to headwaters 1C 2B 3A 4 Cottonwood Canal, Emery County 1C 2B 3A 4 Price River and tributaries, from confluence with Green River to Carbon Canal Diversion at Price City Golf Course 2B 3C 4 Except as listed below Grassy Trail Creek and tributaries, from Grassy Trail Creek Reservoir to headwaters 1C 2B 3A 4 Price River and tributaries, from Carbon Canal Diversion at Price City Golf Course to Price City Water We Carbon Canal Diversion at Price City Golf Course to Price City Water We Carbon Canal Diversion at Price City Golf Course to Price City Water We Carbon Canal Diversion at Price City Golf Course to Price City Water We Carbon Canal Diversion at Price City Golf Course to Price City Water We Carbon Canal Diversion at Price City Golf Course to Price City Water We Carbon Canal Diversion at Price City Water Carbon Canal Diversion at Price City Water Carbon Canal Diversion Carbon Canal Diversion at Price City Water Carbon Canal Diversion at Price City Water Carbon Canal Diversion A Price City Water Carbon Canal Diversion Carbon Carbon Canal Diversion Carbon Carbon Carbon Carbon Carbon Carbon Carbon			2B	3C		4
Highway U-10 crossing2B3C4Huntington Creek and tributaries, from Highway U-10 crossing to headwaters1C2B3A4Cottonwood Creek and tributaries, from confluence with Huntington Creek to2B3C4Highway U-57 crossing tributaries, from Highway U-57 crossing to headwaters1C2B3C4Cottonwood Creek and tributaries, from Highway U-57 crossing to headwaters1C2B3C4Cottonwood Canal, Emery County1C2B3E4Price River and tributaries, from confluence with Green River to Carbon Canal Diversion at Price City Golf Course2B3C4Except as listed below Grassy Trail Creek and tributaries, from Grassy1C2B3A4Price River and tributaries, from Carbon Canal Diversion at Price City Golf Course to Price City Water Water Treatment Plant intake.2B3A4	from Millsite Reservoir to headwaters Huntington Creek and tributaries, from confluence		2B 3A			4
tributaries, from Highway U-10 crossing to headwaters 1C 2B 3A 4 Cottonwood Creek and tributaries, from confluence with Huntington Creek to Highway U-57 crossing 2B 3C 4 Cottonwood Creek and 1C 2B 3A 4 Cottonwood Canek and 1C 2B 3A 4 Cottonwood Canal, Emery 1C 2B 3A 4 Cottonwood Canal, Emery 1C 2B 3E 4 Price River and tributaries, from confluence with Green River to Carbon Canal Diversion at Price City Golf Course 2B 3C 4 Except as listed below Grassy Trail Creek and tributaries, from Grassy Trail Creek Reservoir to headwaters 1C 2B 3A 4 Price River and tributaries, from Carbon Canal Diversion at Price City Golf Course to Price City Water Water Treatment Plant intake. 2B 3A 4			2B	3C		4
tributaries, from confluence with Huntington Creek to Highway U-57 crossing 2B 3C 4 Cottonwood Creek and tributaries, from Highway U-57 crossing to headwaters 1C 2B 3A 4 Cottonwood Canal, Emery County 1C 2B 3E 4 Price River and tributaries, from confluence with Green River to Carbon Canal Diversion at Price City Golf Course 2B 3C 4 Except as listed below Grassy Trail Creek and tributaries, from Grassy Trail Creek Reservoir to headwaters 1C 2B 3A 4 Price River and tributaries, from Carbon Canal Diversion at Price City Golf Course to Price City Water Water Treatment Plant intake. 2B 3A 4	tributaries, from Highway	1C	2B 3A			4
Cottonwood Creek and tributaries, from Highway U-57 crossing to headwaters 1C 2B 3A 4 Cottonwood Canal, Emery County 1C 2B 3E 4 Price River and tributaries, from confluence with Green River to Carbon Canal Diversion at Price City Golf Course 2B 3C 4 Except as listed below Grassy Trail Creek and tributaries, from Grassy Trail Creek Reservoir to headwaters 1C 2B 3A 4 Price River and tributaries, from Carbon Canal Diversion at Price City Golf Course to Price City Water Water Treatment Plant intake. 2B 3A 4	tributaries, from confluence					
U-57 crossing to headwaters1C2B 3A4Cottonwood Canal, Emery County1C2B3E 4Price River and tributaries, from confluence with Green River to Carbon Canal Diversion at Price City Golf Course2B3C4Except as listed below Grassy Trail Creek and tributaries, from Grassy2B3C4Price River and tributaries, from Carbon Canal Diversion at Price City Golf Course1C2B 3A4Price River and tributaries, from Carbon Canal Diversion at Price City Golf Course to Price City Water Water Treatment Plant intake.2B 3A4	Cottonwood Creek and		2B	3C		4
County1C2B3E 4Price River and tributaries, from confluence with Green River to Carbon Canal Diversion at Price City Golf Course2B3C4Except as listed below Grassy Trail Creek and tributaries, from Grassy2B3C4Price Reservoir to headwaters1C2B 3A4Price River and tributaries, from Carbon Canal Diversion at Price City Golf Course to Price City Water Water Treatment Plant intake.2B 3A4		1C	2B 3A			4
from confluence with Green River to Carbon Canal Diversion at Price City Golf Course 2B 3C 4 Except as listed below Grassy Trail Creek and tributaries, from Grassy Trail Creek Reservoir to headwaters 1C 2B 3A 4 Price River and tributaries, from Carbon Canal Diversion at Price City Golf Course to Price City Water Water Treatment Plant intake. 2B 3A 4		1C	2B		3E	4
Except as listed below Grassy Trail Creek and tributaries, from Grassy Trail Creek Reservoir to headwaters 1C 2B 3A 4 Price River and tributaries, from Carbon Canal Diversion at Price City Golf Course to Price City Water Water Treatment Plant intake. 2B 3A 4	from confluence with Green River to Carbon Canal	Course	28	3C		4
headwaters1C2B 3A4Price River and tributaries, from Carbon Canal Diversion at Price City Golf Course to Price City Water Water Treatment Plant intake.2B 3A4	Except as listed below Grassy Trail Creek and					
from Carbon Canal Diversion at Price City Golf Course to Price City Water Water Treatment Plant intake. 2B 3A 4		1C	2B 3A			4
	from Carbon Canal Diversion a City Golf Course to Price Cit	ty Water	2B 3A			4
				5/1	.8/2	011

from Price City Water Treatment Plant intake to headwaters	1C	2B 3 <i>P</i>	A		4
Range Creek and tributaries, from confluence with Green River to Range Creek Ranch		2B 37	A		4
Range Creek and tributaries, from Range Creek Ranch to headwaters	1C	2B 37	A		4
Rock Creek and tributaries, from confluence with Green River to headwaters		2B 37	A		4
Nine Mile Creek and tributaries, from confluence with Green River to headwaters		2B 37	A		4
Pariette Draw and tributaries, from confluence with Green River to headwaters		2B	3B	3D	4
Willow Creek and tributaries (Uintah County), from confluence with Green River to headwaters		2B 3 <i>F</i>	A		4
White River and tributaries, from confluence with Green River to state line, except as listed below		2B	3B		4
Bitter Creek and Tributaries from White River to Headwaters		2B 3 <i>I</i>	7		4
Duchesne River and tributaries, from confluence with Green River to Myton Water Treatment Plant intake, except as listed below		2B	3B		4
Uinta River and tributaries, From confluence with Duchesne River to Highway US-40 crossing		2B	3B		4
Uinta River and tributaries, From Highway US-4- crossing to headwaters		2B 3 <i>P</i>	A		4
Power House Canal from 19				5/18/	2011

Confluence with Uinta River to headwaters	2B 3A 4
Whiterocks River and Canal, From Tridell Water Treatment Plant to Headwaters	1C 2B 3A 4
Duchesne River and tributaries, from Myton Water Treatment Plant intak to headwaters	e 1C 2B 3A 4
Lake Fork River and tributaries, from confluenc with Duchesne River to headwaters	e 1C 2B 3A 4
Lake Fork Canal from Dry Gulch Canal Diversion to Moon Lake	1C 2B 3E 4
Dry Gulch Canal, from Myton Water Treatment Plant to Lake Fork Canal	1C 2B 3E 4
Ashley Creek and tributaries, from confluenc with Green River to Steinaker diversion	e 2B 3B 4
Ashley Creek and tributarie from Steinaker diversion to headwaters	5, 1C 2B 3A 4
Big Brush Creek and tributaries, from confluenc with Green River to Tyzack (Red Fleet) Dam	e 2B 3B 4
Big Brush Creek and tributaries, from Tyzack (Red Fleet) Dam to headwaters	1C 2B 3A 4
Jones Hole Creek and tributaries, from confluenc with Green River to headwaters	2B 3A
Diamond Gulch Creek and tributaries, from confluenc with Green River to	e 20 5/18/2011

headwaters		2B 3A		4
Pot Creek and tributaries, from Crouse Reservoir to headwaters		2B 3A		4
Green River and tributaries, from Utah-Colorado state line to Flaming Gorge Dam except as listed below:	2A	3A		4
Sears Creek and tributaries, Daggett County		2B 3A		
Tolivers Creek and tributaries, Daggett County		2B 3A		
Red Creek and tributaries, from confluence with Green River to state line		2B	3C	4
Jackson Creek and tributaries, Daggett County		2B 3A		
Davenport Creek and tributaries, Daggett County		2B 3A		
Goslin Creek and tributaries, Daggett County		2B 3A		
Gorge Creek and tributaries, Daggett County		2B 3A		
Beaver Creek and tributaries, Daggett County		2B 3A		
O-Wi-Yu-Kuts Creek and tributaries, County		2B 3A		
Tributaries to Flaming Gorge Reservoir, except as listed below		2B 3A		4
Birch Spring Draw and tributaries, from Flaming Gorge Reservoir to headwaters		2B	3C	4
Spring Creek and tributaries, from Flaming Gorge Reservoir to headwaters		2B 3A		
All Tributaries of Flaming Gorge Reservoir from Utah-Wyoming state line to headwaters		2B 3A		4
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13.2 Lower Colorado River Basin a. Virgin River Drainage

TABLE

	ver Dam Wash and tributaries m Motoqua to headwaters	5,		2B		3B		4
fro	gin River and tributaries m state line to Quail Creek ersion except as listed belo	ЭW		2B		3B		4
	Santa Clara River from confluence with Virgin Rive to Gunlock Reservoir	er	1C	2B		3B		4
	Santa Clara River and tributaries, from Gunlock Reservoir to headwaters			2B	3A			4
	Leed's Creek, from confluer with Quail Creek to headwat			2B	3A			4
	Quail Creek from Quail Cree Reservoir to headwaters	ek	1C	2B	3A			4
	Ash Creek and tributaries, from confluence with Virgin River to Ash Creek Reservo:			2B	3A			4
	Ash Creek and tributaries, From Ash Creek Reservoir to headwaters			2B	3A			4
froi to 1	gin River and tributaries, m the Quail Creek diversion headwaters, except as listed	l	10	0.5				
bel	WC		1C	2B		3	C	4
	North Fork Virgin River and tributaries	đ	1C 2A		3A			4
	East Fork Virgin River, fro town of Glendale to headwat			2B	3A			4
	Kolob Creek, from confluend with Virgin River to headwaters	ce		2B	3A			4
	b. Kanab Creek Drainage							
		TABLE						
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Kanab Creek and tributaries, from state line to irrigation diversion at confluence with Reservoir Canyon	2B		3C	4
Kanab Creek and tributaries, from irrigation diversion at confluence with Reservoir Canyon to headwaters	2B 3A			4
Johnson Wash and tributaries, from state line to confluence with Skutumpah Canyon	2B		3C	4
Johnson Wash and tributaries, from confluence with Skutumpah Canyon to headwaters	2B 3A	L		4
13.3 Bear River Basin a. Bear River Drainage				
TABLE				
Bear River and tributaries, from Great Salt Lake to Utah-Idaho border, except as listed below:	2B	3B	3D	4
Perry Canyon Creek from U.S. Forest boundary to headwaters	2B 3A	L		4
Box Elder Creek from confluence with Black Slough to Brigham City Reservoir (the Mayor's Pond)	2B		3C	4
Box Elder Creek, from Brigham City Reservoir (the Mayor's Pond) to headwaters	2B 3A			4
Salt Creek, from confluence with Bear River to Crystal Hot Springs	2B	3B	3D	
Malad River and tributaries, from confluence with Bear River to state line	2B		3C	
Little Bear River and tributaries, from Cutler Reservoir to headwaters	2B 3A	L	3D	4
Logan River and tributaries, from Cutler Reservoir to headwaters	2B 3A	L	3D	4
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Blacksmith Fork and tributarie from confluence with Logan Riv to headwaters			2B	ЗA			4
Newton Creek and tributaries, from Cutler Reservoir to Newto Reservoir	n		2B	3A			4
Clarkston Creek and tributarie from Newton Reservoir to headwaters	s,		2B	3A			4
Birch Creek and tributaries, f confluence with Clarkston Cree to headwaters			2B	ЗA			4
Summit Creek and tributaries, from confluence with Bear Rive to headwaters	r		2B	3A			4
Cub River and tributaries, fro confluence with Bear River to state line, except as listed below:	m		2B		3B		4
High Creek and tributaries from confluence with Cub R to headwaters			2B	3A			4
All tributaries to Bear Lake f Bear Lake to headwaters, excep listed below			2B	3A			4
Swan Springs tributary to S Creek	wan	1C	2B	3A			
Bear River and tributaries in Rich County			2B	3A			4
Bear River and tributaries, fr Utah-Wyoming state line to headwaters (Summit County)	om		2B	3A			4
Mill Creek and tributaries, fr state line to headwaters (Summ County)			2B	3A			4
13.4 Weber River Basin a. Weber River Drainage							
	TABLE						
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	Willard Creek, from Willard Bay Reservoir to headwaters		2B	3A				4	
	Weber River, from Great Salt Lake to Slaterville diversion, except as listed below:		2B			3C	3D	4	
	Four Mile Creek from I-15 To headwaters		2B	3A				4	
	Weber River and tributaries, from Slaterville diversion to Stoddard diversion, except as listed below		2B	3A				4	
	Ogden River and tributaries, From confluence with Weber River To Pineview Dam, except as listed Below	2A	37	Ą			4	4	Comment [C12]: #17 on the
-	Wheeler Creek from								04202011 2011 List
	Confluence with Ogden River to headwaters	1C	ар	3A				4	Deleted:
		IC	ZB	ЗA				4	Deleted: 2B
	All tributaries to Pineview Reservoir	1C	2B	3A				4	
	Strongs Canyon Creek and Tributaries, from U.S. National Forest boundary to headwaters	1C	2B	3A				4	
	Burch Creek and tributaries, from Harrison Boulevard in Ogden to Headwaters	1C	2B	3A					
	Spring Creek and tributaries, From U.S. National Forest Boundary to headwaters	1C	2B	3A				4	
	Weber River and tributaries, from Stoddard diversion to headwaters	1C	2B	3A				4	
	13.5 Utah Lake-Jordan River Basin a. Jordan River Drainage								
	TABLE								
	Jordan River, from Farmington Bay to North Temple Street, Salt Lake City		2B		3B *	*	3D	4	
	State Canal, from Farmington 25					5	5/18/	201	1

Bay to confluence with the Jordan River		2B	3B *	3D	4	
Jordan River, from North Temple Street in Salt Lake City to confluence with Little Cottonwood Creek		2B	3B *		4	
Surplus Canal from Great Salt Lake to the diversion from the Jordan River		2B	3B *	3D	4	
Jordan River from confluence with Little Cottonwood Creek to Narrows Diversion		2B 3 <i>I</i>	A		4	
Jordan River, from Narrows Diversion to Utah Lake	1C	2B	3B		4	
City Creek, from Memory Park in Salt Lake City to City Creek Water Treatment Plant		2B 37	A			
City Creek, from City Creek Water Treatment Plant to headwaters	1C	2B 37	A			
Red Butte Creek and tributaries from Liberty Park pond inlet to Red Butte Reservoir		<u>_2B_3</u> 2	4		4	Comment [C13]: #4 on the 04202011 2011 List
Red Butte Creek and tributaries, from Red Butte Reservoir to headwaters	1C	2B 37	A			
Emigration Creek and tributaries, from <u>1100 East in Salt</u> Lake City to headwaters		2B 37	4			Comment [C14]: #4 on the 04202011 2011 List
Parley's Creek and tributaries, from 1300 East in Salt Lake City to Mountain Dell Reservoir to						Deleted: Foothill Boulevard
headwaters	1C	2B 3 <i>I</i>	7			
Parley's Creek and tributaries, from Mountain Dell Reservoir to headwaters	1C	2B 37	A			
Mill Creek (Salt Lake County) from confluence with Jordan River to Interstate Highway 15		2B	30	С	4	
Mill Creek (Salt Lake County) and tributaries from Interstate 26				5/18	/2011	

Highway 15 to headwaters		2B 3A		4
Big Cottonwood Creek and tributaries, from confluence with Jordan River to Big Cottonwood Water Treatment Plant		2B 3A		4
Big Cottonwood Creek and tributaries, from Big Cottonwood Water Treatment Plant to headwaters	1C	75 77		
Deaf Smith Canyon Creek and tributaries	1C	2B 3A 2B 3A		4
Little Cottonwood Creek and tributaries, from confluence with Jordan River to Metropolitan		2B 3A		4
Water Treatment Plant Little Cottonwood Creek and		2B 3A		4
tributaries, from Metropolitan Water Treatment Plant to headwaters	1C	2B 3A		
Bell Canyon Creek and tributaries, from lower Bell's Canyon reservoir to headwaters	1C	2B 3A		
Little Willow Creek and tributaries, from Draper Irrigation Company diversion to headwaters	1C	2B 3A		
Big Willow Creek and tributaries, from Draper Irrigation Company diversion to headwaters	1C	2B 3A		
South Fork of Dry Creek and tributaries, from Draper				
Irrigation Company diversion to headwaters All permanent streams on east slope of Oquirrh Mountains (Coon, Barney's, Bingham, Butterfield,	1C	2B 3A		
and Rose Creeks)		2B	3D	4
Kersey Creek from confluence of C-7 Ditch to headwaters		2B	3D	
* Site specific criteria for dissolved	oxygen	. See Table	e 2.14.	5.
b. Provo River Drainage				
27			5/18/2	2011

TABLE

Provo River and tributaries, from Utah Lake to Murdock diversion Provo River and tributaries, from Murdock Diversion to headwaters, except as listed below Upper Falls drainage above Provo			2B	3A			4
	2010	1C	2B	3A			4
City diversion Bridal Veil Falls drainage a		1C	2B	3A			
Provo City diversion Lost Creek and tributaries a		1C	2B	3A			
Provo City diversion	bove	1C	2B	3A			
c. Utah Lake Drainage							
	TABLE						
Dry Creek and tributaries (abov Alpine), from U.S. National Forest boundary to headwaters	e		2B	3A			4
American Fork Creek and tributaries, from diversion at mouth of American Fork Canyon t headwaters	0		2B	3A			4
Spring Creek and tributaries, from Utah Lake near Lehi to headwaters			2B	3A			4
Lindon Hollow Creek and tributaries, from Utah Lake to headwaters			2B		3B		4
Rock Canyon Creek and tributari (East of Provo) from U.S. National Forest boundary to headwaters	es	1C	2B	3A			4
Mill Race (except from Intersta Highway 15 to the Provo City WW discharge) and tributaries from Utah Lake to headwaters	TP		2B		3B		4
Mill Race from Interstate Highw 15 to the Provo City wastewater treatment plant discharge			2B		3B		4
Spring Creek and tributaries fr	0m 28					5/18/2	2011

Utah Lake (Provo Bay) to 50 feet upstream from the east boundary of the Industrial Parkway Road Right-of-way	2B	3B		4
Tributary to Spring Creek (Utah County) which receives the Springville City WWTP effluent from confluence with Spring Creek to headwaters	2B		3D	4
Spring Creek and tributaries from 50 feet upstream from the east boundary of the Industrial Parkway Road right-of-way to the headwaters	2B 3A			4
Ironton Canal from Utah Lake (Provo Bay) to the east boundary of the Denver and Rio Grande Western Railroad right-of-way	2B	30	1	4
Ironton Canal from the east boundary of the Denver and Rio Grande Western Railroad right-of-way to the point of diversion from Spring Creek	2B 3A			4
Hobble Creek and tributaries, from Utah Lake to headwaters Dry Creek and tributaries from Utah Lake (Provo Bay) to	2B 3A			4
Highway-US 89	2B		3	E 4
Dry Creek and tributaries from Highway-US 89 to headwaters	2B 3A			4
Spanish Fork River and tributaries, from Utah Lake to diversion at Moark Junction	2B	3B	3D	4
Spanish Fork River and tributaries, from diversion at Moark Junction to headwaters	2B 3A			4
Benjamin Slough and tributaries from Utah Lake to headwaters, except as listed below	2B	3B		4
Beer Creek (Utah County) from 4850 West (in NE1/4NE1/4 sec. 36, T.8 S., R.1 E.) to 29			5/18,	/2011

headwaters	2B		3C	4
Salt Creek, from Nephi diversion to headwaters	2B	3A		4
Currant Creek, from mouth of Goshen Canyon to Mona Reservoir Burriston Creek, from Mona Reservoir to headwaters		3A 3A		4 4
Peteetneet Creek and tributaries, from irrigation diversion above Maple Dell to headwaters	2B	3A		4
Summit Creek and tributaries (above Santaquin), from U.S. National Forest boundary to headwaters	2B	ЗA		4
All other permanent streams entering Utah Lake	2B	31	3	4
13.6 Sevier River Basin a. Sevier River Drainage				
TABLE				
Sevier River and tributaries from Sevier Lake to Gunnison Bend Reservoir to U.S.National Forest boundary except as listed below	28		3C	4
Beaver River and tributaries from Minersville City to headwaters	2B	3A		4
Little Creek and tributaries, From irrigation diversion to Headwaters	2B	ЗA		4
Pinto Creek and tributaries, From Newcastle Reservoir to Headwaters	2B	3A		4
Coal Creek and tributaries	2B	ЗA		4
Summit Creek and tributaries	2B	3A		4
Parowan Creek and tributaries	2B	3A		4
Tributaries to Sevier River from Sevier Lake to Gunnison 30			5/18/2	2011

Bend Reservoir from U.S. National Forest boundary to					
headwaters, including: Pioneer Creek and tributaries, Millard County		3A 3A			4 4
Chalk Creek and tributaries, Millard County	2B	3A			4
Meadow Creek and tributaries, Millard County	2B	3A			4
Corn Creek and tributaries, Millard County	2B	3A			4
Sevier River and tributaries below U.S. National Forest boundary from Gunnison Bend Reservoir to Annabella Diversion except					
except as listed below	2B		3B		4
Oak Creek and tributaries, Millard County	2B	3A			4
Round Valley Creek and tributaries, Millard County	2B	3A			4
Judd Creek and tributaries, Juab County	2B	3A			4
Meadow Creek and tributaries, Juab County	2B	3A			4
Cherry Creek and tributaries Juab County	2B	3A			4
Tanner Creek and tributaries, Juab County	2B			3E	4
Baker Hot Springs, Juab County	2B		31)	4
Chicken Creek and tributaries, Juab County	2B	3A			4
San Pitch River and tributaries, from confluence with Sevier River to Highway U-132 crossing except As listed below:	2B		3C 3I)	4
Twelve Mile Creek (South Creek) and tributaries, from U.S. Forest Service boundary 31			5/	18/2	011

to headwaters	2B 3A	4
Six Mile Creek and tributaries, Sanpete C	ounty 2B 3A	4
Manti Creek (South Cre and tributaries, from Forest Service boundary to headwaters	U.S.	4
Ephraim Creek (Cottonw Creek) and tributaries from U.S. Forest Servi headwaters	,	4
Oak Creek and tributar from U.S. Forest Servi boundary near Spring C headwaters	ce	4
Fountain Green Creek a tributaries, from U.S. Forest Service boundar headwaters		4
San Pitch River and trib from Highway U-132 cross headwaters		4
Tributaries to Sevier River Gunnison Bend Reservoir to Annabelle Diversion from U.S National Forest boundary to headwaters		4
Sevier River and tributaries from Annabella diversion to headwaters	, 2B 3A	4
Monroe Creek and tributaries from diversion to headwaters		4
Little Creek and tributaries from irrigation diversion to headwaters		4
Pinto Creek and tributaries, from Newcastle Reservoir to headwaters	2B 3A	4
Coal Creek and tributaries	2B 3A	4
Summit Creek and tributaries	2B 3A 32	4 5/18/2011

Parowan Creek and tributaries		2B	3A			4
Duck Creek and tributaries	1C	2B	3A			4
13.7 Great Salt Lake Basin a. Western Great Salt Lake	Drainage					
TA	BLE					
Grouse Creek and tributaries, Box Elder County	۲ ۲	2B	3A			4
Muddy Creek and tributaries, Box Elder County		2B	3A			4
Dove Creek and tributaries, Box Elder County		2B	3A			4
Pine Creek and tributaries, Box Elder County		2B	3A			4
Rock Creek and tributaries, Box Elder County		2B	3A			4
Fisher Creek and tributaries, Box Elder County	Σ	2B	3A			4
Dunn Creek and tributaries, Box Elder County		2B	3A			4
Indian Creek and tributaries, Box Elder County		2B	3A			4
Tenmile Creek and tributaries, Box Elder County		2B	3A			4
Curlew (Deep) Creek, Box Elder County		2B	3A			4
Blue Creek and tributaries, from Great Salt Lake to Blue Creek Reservoir		2B			3D	4
Blue Creek and tributaries, from Blue Creek Reservoir to headwater	ŝ	2B		3B		4
All perennial streams on the east slope of the Pilot Mountain Range	1C	2B	3A			4
Donner Creek and tributaries, from irrigation diversion to 33	i				5/18	/2011

Utah-Nevada state line	2B 3A	4
Bettridge Creek and tributaries from irrigation diversion to Utah-Nevada state line	, 2B 3A	4
North Willow Creek and tributaries, Tooele County	2B 3A	4
South Willow Creek and tributaries, Tooele County	2B 3A	4
Hickman Creek and tributaries, Tooele County	2B 3A	4
Barlow Creek and tributaries, Tooele County	2B 3A	4
Clover Creek and tributaries, Tooele County	2B 3A	4
Faust Creek and tributaries, Tooele County	2B 3A	4
Vernon Creek and tributaries, Tooele County	2B 3A	4
Ophir Creek and tributaries, Tooele County	2B 3A	4
Soldier Creek and Tributaries from the Drinking Water Treatme	nt	
Facility Headwaters, Tooele County	1C 2B 3A	4
Settlement Canyon Creek and tributaries, Tooele County	2B 3A	4
Middle Canyon Creek and tributaries, Tooele County	2B 3A	4
Tank Wash and tributaries, Tooele County	2B 3A	4
Basin Creek and tributaries, Juab and Tooele Counties	2B 3A	4
Thomas Creek and tributaries, Juab County	2B 3A	4
Indian Farm Creek and tributaries, Juab County	2B 3A	4
	34	5/18/2011

Cottonwood Creek and tributaries, Juab County		2B	3A				4
Red Cedar Creek and tributarie Juab County	s,	2B	3A				4
Granite Creek and tributaries, Juab County		2B	3A				4
Trout Creek and tributaries, Juab County		2B	ЗA				4
Birch Creek and tributaries, Juab County		2B	3A				4
Deep Creek and tributaries, from Rock Spring Creek to headwaters, Juab and Tooele Counties		2B	3A				4
Cold Spring, Juab County		2B			3C	3D	
Cane Spring, Juab County		2B			3C	3D	
Lake Creek, from Garrison (Pruess) Reservoir to Nevada state line		2B	3A				4
Snake Creek and tributaries, Millard County		2B		3B			4
Salt Marsh Spring Complex, Millard County		2B	3A				
Twin Springs, Millard County		2B		3B			
Tule Spring, Millard County		2B			3C	3D	
Coyote Spring Complex, Millard County		2B			3C	3D	
Hamblin Valley Wash and tributaries, from Nevada state line to headwaters (Beaver and Iron Counties)		2B				3D	4
Indian Creek and tributaries, Beaver County, from Indian Cre Reservoir to headwaters	ek	2B	3A				4
Shoal Creek and tributaries, Iron County		2B	3A				4
	35					5/18/	2011

b. Farmington Bay Drainage

TABLE

Corbett Creek and tributaries, from Highway to headwaters		2B	3A			4
Kays Creek and tributaries, from Farmington Bay to U.S. National Forest boundary		2B		3B		4
North Fork Kays Creek and tributaries, from U.S. Nationa Forest boundary to headwaters	1	2B	ЗA			4
Middle Fork Kays Creek and tributaries, from U.S. Nationa Forest boundary to headwaters	1 1C	2B	ЗA			4
South Fork Kays Creek and tributaries, from U.S. Nationa Forest boundary to headwaters	1 1C	2B	ЗA			4
Snow Creek and tributaries		2B			3C	4
Holmes Creek and tributaries, from Farmington Bay to U.S. National Forest boundary		2B		3B		4
Holmes Creek and tributaries, from U.S. National Forest boundary to headwaters	1C	2B	3A			4
Baer Creek and tributaries, from Farmington Bay to Interstate Highway 15		2B			3C	4
Baer Creek and tributaries, from Interstate Highway 15 to Highway US-89		2B		3B		4
Baer Creek and tributaries, fr Highway US-89 to headwaters		2B	3A			4
Shepard Creek and tributaries, from U.S. National Forest boundary to headwaters	1C	2B	ЗA			4
Farmington Creek and tributari from Farmington Bay Waterfowl Management Area to U.S. Nation Forest boundary		2B		3B		4
	36				5/18/2	2011

Farmington Creek and tributaries, from U.S. National Forest boundary to headwaters	1C	2B 1	3A		4
Rudd Creek and tributaries, from Davis aqueduct to headwaters		2B 1	3A		4
Steed Creek and tributaries, from U.S. National Forest boundary to headwaters	1C	2B 3	3A		4
Davis Creek and tributaries, from Highway US-89 to headwaters		2B	3A		4
Lone Pine Creek and tributaries, from Highway US-89 to headwaters Ricks Creek and tributaries, from Highway I-15 to headwaters	1C	2B 2B			4
Barnard Creek and tributaries, from Highway US-89 to headwaters Parrish Creek and tributaries, from Davis Aqueduct to headwaters		28 28			4
Deuel Creek and tributaries, (Cent Canyon) from Davis Aqueduct to headwaters	erville	2B 1	3A		4
Stone Creek and tributaries, from Farmington Bay Waterfowl Management Area to U.S. National Forest boundary		2B 1	3A		4
Stone Creek and tributaries, from U.S. National Forest boundary to headwaters	1C	2B :	3A		4
Barton Creek and tributaries, from U.S. National Forest boundary to headwaters		2B 1	3A		4
Mill Creek (Davis County) and tributaries, from confluence with State Canal to U.S. National Forest boundary		2B		3B	4
Mill Creek (Davis County) and tributaries, from U.S. National Forest boundary to headwaters	1C	2B 3	3A		4
North Canyon Creek and tributaries, from U.S. National 37					5/18/2011

Forest boundary to headwaters			2B 3	7		4
-			2B 3	A	3C	4
Howard Slough						-
Hooper Slough			2B		3C	4
Willard Slough			2B		3C	4
Willard Creek to Headwaters		1C	2B 3	A		4
Chicken Creek to Headwaters		1C	2B 3	А		4
Cold Water Creek to Headwaters		1C	2B 3	A		4
One House Creek to Headwaters		1C	2B 3	A		4
Garner Creek to Headwaters		1C	2B 3	А		4
13.8 Snake River Basin a. Raft River Drainage (Box Elder	Count	y)			
	TABLE					
Raft River and tributaries			2B 3	A		4
Clear Creek and tributaries, from Utah-Idaho state line to headwaters			2B 3	A		4
Onemile Creek and tributaries, from Utah-Idaho state line to headwaters			2B 3	A		4
George Creek and tributaries, from Utah-Idaho state line to headwaters			2B 3	A		4
Johnson Creek and tributaries, from Utah-Idaho state line to headwaters			2B 3	A		4
Birch Creek and tributaries, from state line to headwaters			2B 3	A		4
Pole Creek and tributaries, from state line to headwaters			2B 3	A		4
Goose Creek and tributaries			2B 3	А		4
Hardesty Creek and tributaries from state line to headwaters	,		2B 3	A		4
Meadow Creek and tributaries,	38				5/18/2	2011

the Great Salt Lake

TABLE

Bear River National Wildlife Refuge, Box Elder County	2B	3B	3D	
Bear River Bay Open Water below approximately 4,208 ft. Transitional Waters approximately 4,208 ft. to Open Water Open Water above approximately 4,208 ft.	2B	3B	3D	5C 5E
Brown's Park Waterfowl Management Area, Daggett County	2B 3A	<u>.</u>	3D	
Clear Lake Waterfowl Management Area, Millard County	2B	30	2 3D	
Desert Lake Waterfowl Management Area, Emery County	2B	30	2 3D	
Farmington Bay Waterfowl Management Area, Davis and Salt Lake Counties	2B	30	C 3D	
Farmington Bay Open Water below approximately 4,208 ft. Transitional Waters approximately 4,208 ft. to Open Water Open Water above approximately 4,208 ft.	2B	3B	3D	5D 5E
Fish Springs National Wildlife Refuge, Juab County	2B	30	2 3D	
Harold Crane Waterfowl Management Area, Box Elder County	2B	30	C 3D	
Gilbert Bay Open Water below approximately 39			5/18/	2011

4,208 ft. Transitional Waters approximately			5A
4,208 ft. to Open Water Open Water above approximately 4,208 ft.	2B	3B 3D	5E
Gunnison Bay Open Water below approximately 4,208 ft.			5B
Transitional Waters approximately 4,208 ft. to Open Water Open Water above approximately 4,208 ft.	2B	3B 3D	5E
Howard Slough Waterfowl Management Area, Weber County	2B	3C 3D	
Locomotive Springs Waterfowl Management Area, Box Elder County	2B	3B 3D	
Ogden Bay Waterfowl Management Area, Weber County	2B	3C 3D	
Ouray National Wildlife Refuge, Uintah County	2B	3B 3D	
Powell Slough Waterfowl Management Area, Utah County	2B	3C 3D	
Public Shooting Grounds Waterfowl Management Area, Box Elder County	2B	3C 3D	
Salt Creek Waterfowl Management Area, Box Elder County	2B	3C 3D	
Stewart Lake Waterfowl Management Area, Uintah County	2B	3B 3D	
Timpie Springs Waterfowl Management Area, Tooele County	2B	3B 3D	

13.12 Lakes and Reservoirs. All lakes and any reservoirs greater than 10 acres not listed in 13.12 are assigned by default to the classification of the stream with which they are associated.

a. Beaver County

	TABLE			
Anderson Meadow Reservoir		2B	3A	4
Manderfield Reservoir		2B	3A	4
	40			5/18/2011

LaBaron Reservoir			2B 3	3A			4				
Kent's Lake			2B 3	3A			4				
Minersville Reservoir			2B 3	3A		3D	4				
Puffer Lake			2B 3	3A							
Three Creeks Reservoir			2B 3	3A			4				
b. Box Elder County											
	TABLE										
Cutler Reservoir (including portion in Cache County)			2B		3B	3D	4				
Etna Reservoir			2B 3	3A			4				
Lynn Reservoir			2B 3	3A			4				
Mantua Reservoir			2B 3	3A			4				
Willard Bay Reservoir		1C 2A	2B		3B	3D	4				
c. Cache County											
	TABLE										
Hyrum Reservoir		2A	2B	3A		2	1	Cc	omment [C1	5]: #19 oi	n the
Newton Reservoir			2B 3	3A			4		eleted: **	I LISC	
Porcupine Reservoir			2B 3	3A			4		includ.		
Pelican Pond			2B		3B		4				
Tony Grove Lake			2B 3	3A			4				
d. Carbon County											
	TABLE										
Grassy Trail Creek Reservoir		1C	2B 3	3A			4				

2B 3B 4

4

5/18/2011

1C 2B 3A

TABLE

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Olsen Pond

Scofield Reservoir

e. Daggett County

Browne Reservoir			2B	3A			4
Daggett Lake			2B	3A			4
Flaming Gorge Reservoir (Utah portion)		1C 2A	2B	3A			4
Long Park Reservoir		1C	2B	3A			4
Sheep Creek Reservoir			2B	3A			4
Spirit Lake			2B	3A			4
Upper Potter Lake			2B	3A			4
f. Davis County							
	TABLE						
Farmington Ponds			2B	3A			4
Kaysville Highway Ponds			2B	3A			4
Holmes Creek Reservoir			2B		3B		4
g. Duchesne County							
	TABLE						
Allred Lake			2B	3A			4
Atwine Lake			2B	3A			4
Atwood Lake			2B	3A			4
Betsy Lake			2B	3A			4
Big Sandwash Reservoir		1C	2B	3A			4
Bluebell Lake			2B	3A			4
Brown Duck Reservoir			2B	3A			4
Butterfly Lake			2B	3A			4
Cedarview Reservoir			2B	3A			4
Chain Lake #1			2B	3A			4
Chepeta Lake			2B	3A			4
Clements Reservoir			2B	3A			4
	42					5/18/	2011

Cleveland Lake		2B 3	3A	4
Cliff Lake		2B 3	3A	4
Continent Lake		2B 3	3A	4
Crater Lake		2B 3	3A	4
Crescent Lake		2B 3	3A	4
Daynes Lake		2B 3	3A	4
Dean Lake		2B 3	3A	4
Doll Lake		2B 3	3A	4
Drift Lake		2B 3	3A	4
Elbow Lake		2B 3	3A	4
Farmer's Lake		2B 3	3A	4
Fern Lake		2B 3	3A	4
Fish Hatchery Lake		2B 3	3A	4
Five Point Reservoir		2B 3	3A	4
Fox Lake Reservoir		2B 3	3A	4
Governor's Lake		2B 3	3A	4
Granddaddy Lake		2B 3	3A	4
Hoover Lake		2B 3	3A	4
Island Lake		2B 3	3A	4
Jean Lake		2B 3	3A	4
Jordan Lake		2B 3	3A	4
Kidney Lake		2B 3	3A	4
Kidney Lake West		2B 3	3A	4
Lily Lake		2B 3	3A	4
Midview Reservoir (Lake Boreha	um)	2B	3B	4
Milk Reservoir		2B 3	3A	4
Mirror Lake	43	2B 3	3A	4 5/18/2011

Mohawk Lake	2B 3A	4
Moon Lake	1C 2A 2B 3A	4
North Star Lake	2B 3A	4
Palisade Lake	2B 3A	4
Pine Island Lake	2B 3A	4
Pinto Lake	2B 3A	4
Pole Creek Lake	2B 3A	4
Potter's Lake	2B 3A	4
Powell Lake	2B 3A	4
Pyramid Lake	2A 2B 3A	4
Queant Lake	2B 3A	4
Rainbow Lake	2B 3A	4
Red Creek Reservoir	2B 3A	4
Rudolph Lake	2B 3A	4
Scout Lake	2A 2B 3A	4
Spider Lake	2B 3A	4
Spirit Lake	2B 3A	4
Starvation Reservoir	1C 2A 2B 3A	4
Superior Lake	2B 3A	4
Swasey Hole Reservoir	2B 3A	4
Taylor Lake	2B 3A	4
Thompson Lake	2B 3A	4
Timothy Reservoir #1	2B 3A	4
Timothy Reservoir #6	2B 3A	4
Timothy Reservoir #7	2B 3A	4
Twin Pots Reservoir	1C 2B 3A	4
	44	5/18/2011

Upper Stillwater Reservoir	1C 2H	3 3 A		4
X - 24 Lake	21	3 3A		4
h. Emery County				
TABLI	Ξ			
Cleveland Reservoir	21	3 3A		4
Electric Lake	21	3 3A		4
Huntington Reservoir	21	3 3A		4
Huntington North Reservoir	2A 21	3 31	В	4
Joe's Valley Reservoir	2A 21	3 3 A		4
Millsite Reservoir	1C 2A 2E	3 3 A		4
i. Garfield County				
TABLI	Ξ			
Barney Lake	21	3 3 A		4
Cyclone Lake	21	3 3 A		4
Deer Lake	21	3 3 A		4
Jacob's Valley Reservoir	21	3	3C 3D	4
Lower Bowns Reservoir	21	3 3 A		4
North Creek Reservoir	21	3 3 A		4
Panguitch Lake	21	3 3 A		4
Pine Lake	21	3 3 A		4
Oak Creek Reservoir (Upper Bowns)	21	3 3 A		4
Pleasant Lake	21	3 3 A		4
Posey Lake	21	3 3 A		4
Purple Lake	21	3 3 A		4
Raft Lake	21	3 A		4
Row Lake #3	21	3 3 A		4
Row Lake #7 45	21	3 A	5/18/2	4 2011

Spectacle Reservoir				2B	3A				4
Tropic Reservoir				2B	3A				4
West Deer Lake				2B	3A				4
Wide Hollow Reservoir				2B	3A				4
j. Iron County									
	TABLE								
Newcastle Reservoir				2B	3A				4
Red Creek Reservoir				2B	3A				4
Yankee Meadow Reservoir				2B	3A				4
k. Juab County									
	TABLE								
Chicken Creek Reservoir				2B			3C	3D	4
Mona Reservoir				2B		3B			4
Sevier Bridge (Yuba) Reservoir	c		2A	2B		3B			4
1. Kane County									
	TABLE								
Navajo Lake				2B	3A				4
m. Millard County									
	TABLE								
DMAD Reservoir				2B		3B			4
Fools Creek Reservoir				2B			3C	3D	4
Garrison Reservoir (Pruess Lak	ce)			2B		3B			4
Gunnison Bend Reservoir				2B		3B			4
n. Morgan County									
	TABLE								
East Canyon Reservoir		1C	2A	2B	3A				4
	46							5/18/2	2011

Lost Creek Reservoir		1C	2B 3	3A		4
o. Piute County						
	TABLE					
Barney Reservoir			2B 3	3A		4
Lower Boxcreek Reservoir			2B 3	3A		4
Manning Meadow Reservoir			2B 3	3A		4
Otter Creek Reservoir			2B 3	3A		4
Piute Reservoir			2B 3	3A		4
Upper Boxcreek Reservoir			2B 3	3A		4
p. Rich County						
	TABLE					
Bear Lake (Utah portion)		2A	2B 3	3A		4
Birch Creek Reservoir			2B 3	3A		4
Little Creek Reservoir			2B 3	3A		4
Woodruff Creek Reservoir			2B 3	3A		4
q. Salt Lake County						
	TABLE					
Decker Lake			2B	3B	3D	4
Lake Mary		1C	2B 3	3A		
Little Dell Reservoir		1C	2B 3	3A		
Mountain Dell Reservoir		1C	2B 3	3A		
r. San Juan County						
	TABLE					
Blanding Reservoir #4		1C	2B 3	3A		4
Dark Canyon Lake		1C	2B 3	3A		4
Ken's Lake			2B 3	3A**		4
Lake Powell (Utah portion)	47	1C 2A	2B	3B	5/18/	4 2011

Lloyd's Lake		1C	2B 3A		4
Monticello Lake			2B 3A		4
Recapture Reservoir			2B 3A		4
s. Sanpete County					
	TABLE				
Duck Fork Reservoir			2B 3A		4
Fairview Lakes		1C	2B 3A		4
Ferron Reservoir			2B 3A		4
Lower Gooseberry Reservoir		1C	2B 3A		4
Gunnison Reservoir			2B	3C	4
Island Lake			2B 3A		4
Miller Flat Reservoir			2B 3A		4
Ninemile Reservoir			2B 3A		4
Palisade Reservoir		2A	2B 3A		4
Rolfson Reservoir			2B	3C	4
Twin Lakes			2B 3A		4
Willow Lake			2B 3A		4
t. Sevier County					
	TABLE				
Annabella Reservoir			2B 3A		4
Big Lake			2B 3A		4
Farnsworth Lake			2B 3A		4
Fish Lake			2B 3A		4
Forsythe Reservoir			2B 3A		4
Johnson Valley Reservoir			2B 3A		4
Koosharem Reservoir			2B 3A		4
	48			5/18/	2011

Lost Creek Reservoir			2B 3A		4
Redmond Lake			2B	3B	4
Rex Reservoir			2B 3A		4
Salina Reservoir			2B 3A		4
Sheep Valley Reservoir			2B 3A		4
u. Summit County					
	TABLE				
Abes Lake			2B 3A		4
Alexander Lake			2B 3A		4
Amethyst Lake			2B 3A		4
Beaver Lake			2B 3A		4
Beaver Meadow Reservoir			2B 3A		4
Big Elk Reservoir			2B 3A		4
Blanchard Lake			2B 3A		4
Bridger Lake			2B 3A		4
China Lake			2B 3A		4
Cliff Lake			2B 3A		4
Clyde Lake			2B 3A		4
Coffin Lake			2B 3A		4
Cuberant Lake			2B 3A		4
East Red Castle Lake			2B 3A		4
Echo Reservoir		1C 2A	2B 3A		4
Fish Lake			2B 3A		4
Fish Reservoir			2B 3A		4
Haystack Reservoir #1			2B 3A		4
Henry's Fork Reservoir			2B 3A		4
Hoop Lake	4.0		2B 3A		4
	49			5/18/2	20TT

Island Lake			2B	3A		4
Island Reservoir			2B	3A		4
Jesson Lake			2B	ЗA		4
Kamas Lake			2B	3A		4
Lily Lake			2B	3A		4
Lost Reservoir			2B	3A		4
Lower Red Castle Lake			2B	3A		4
Lyman Lake		2A	2B	3A		4
Marsh Lake			2B	3A		4
Marshall Lake			2B	3A		4
McPheters Lake			2B	3A		4
Meadow Reservoir			2B	3A		4
Meeks Cabin Reservoir			2B	3A		4
Notch Mountain Reservoir			2B	3A		4
Red Castle Lake			2B	3A		4
Rockport Reservoir		1C 2A	2B	3A		4
Ryder Lake			2B	3A		4
Sand Reservoir			2B	3A		4
Scow Lake			2B	3A		4
Smith Moorehouse Reservoir		1C	2B	3A		4
Star Lake			2B	3A		4
Stateline Reservoir			2B	3A		4
Tamarack Lake			2B	3A		4
Trial Lake		1C	2B	3A		4
Upper Lyman Lake			2B	3A		4
Upper Red Castle			2B	3A		4
	50				5/18/2	011

Wall Lake Reservoir			2B 3	BA			4
Washington Reservoir			2B 3	BA			4
Whitney Reservoir			2B 3	BA			4
v. Tooele County							
	TABLE						
Blue Lake			2B		3B		4
Clear Lake			2B		3B		4
Grantsville Reservoir			2B 3	BA			4
Horseshoe Lake			2B		3B		4
Kanaka Lake			2B		3B		4
Rush Lake			2B		3B		
Settlement Canyon Reservoir			2B 3	BA			4
Stansbury Lake			2B		3B		4
Vernon Reservoir			2B 3	BA			4
w. Uintah County							
	TABLE						
Ashley Twin Lakes (Ashley Cree)	k)	1C	2B 3	BA			4
Bottle Hollow Reservoir			2B 3	BA			4
Brough Reservoir			2B 3	BA			4
Calder Reservoir			2B 3	BA			4
Crouse Reservoir			2B 3	BA			4
East Park Reservoir			2B 3	BA			4
Fish Lake			2B 3	BA			4
Goose Lake #2			2B 3	BA			4
Matt Warner Reservoir			2B 3	BA			4
Oaks Park Reservoir			2B 3	BA			4
Paradise Park Reservoir	51		2B 3	BA		5/18/2	4 2011

Pelican Lake		2B	3B	4
Red Fleet Reservoir	1C 2A	2B 32	/	4
Steinaker Reservoir	1C 2A	2B 32	/	4
Towave Reservoir		2B 32	Ð	4
Weaver Reservoir		2B 32	J	4
Whiterocks Lake		2B 32	/	4
Workman Lake		2B 32	J	4
x. Utah County				

TABLE

Big East Lake			<u>2</u> B	3A			4	Comment [C16]: #4 on the
Salem Pond		2A		ЗA			4	04202011 2011 List http://www.waterquality.utah .gov/watersheds/lakes/BIGEAS T.pdf
Silver Flat Lake Reservoir			2B	3A			4	
Tibble Fork Resevoir			2B	3A			4	
Utah Lake			2B		3B	3D	4	
y. Wasatch County								
	TABLE							
Currant Creek Reservoir		1C	2B	3A			4	
Deer Creek Reservoir		1C 2A	2B	3A			4	
Jordanelle Reservoir		1C 2A		3A			4	
Mill Hollow Reservoir			2B	3A			4	
Strawberry Reservoir		1C	2B	3A			4	
z. Washington County								
	TABLE							
Baker Dam Reservoir			2B	3A			4	
Gunlock Reservoir		1C 2A	2B		3B		4	
Ivins Reservoir			2B		3B		4	
	52					5/18/2	2011	

Kolob Reservoir	2B 3A	. 4	
Lower Enterprise Reservoir	2B 3A	. 4	
Quail Creek Reservoir	1C 2A 2B	3B 4	
Sand Hollow Reservoir	1C 2A	3B 4	- Comment [C17]: #4 on the 04202011 2011 List
Upper Enterprise Reservoir	2B 3A	. 4	
aa. Wayne County			
Т	ABLE		
Blind Lake	2B 3A	4	
Cook Lake	2B 3A	4	
Donkey Reservoir	2B 3A	4	
Fish Creek Reservoir	2B 3A	. 4	
Mill Meadow Reservoir	2B 3A	. 4	
Raft Lake	2B 3A	. 4	
bb. Weber County			
Т	ABLE		
Causey Reservoir	2B 3A	4	
Pineview Reservoir <u>** Denotes site-specific tempera</u>	1C 2A 2B 3A		Comment [C18]: #19 on the 04202011 2011 List
13.13 Unclassified Waters All waters not specifica classified: 2B, 3D			Deleted: **
R317-2-14. Numeric Criteria.			
NUMERIC CRITER	E 2.14.1 RIA FOR DOMESTIC, AGRICULTURAL USES		
Parameter Domestic Source 1C	Recreation and Aesthetics 2A 2B	Agri- culture 4	
BACTERIOLOGICAL (30-DAY GEOMETRIC MEAN) (NO.)/100 ML) (7) E. coli 206	126 206		

MAXIMUM

E.	(NO.)/100 ML) (7) coli	668	409	66	8	
	PHYSICAL					
	pH (RANGE) Turbidity Increase	6.5-9.0		-9.0		6.5-9.0
	(NTU)		10		10	
	METALS (DISSOLVED, MG/L) (2)	MAXIMUM				
	Arsenic Barium	0.01 1.0				0.1
	Beryllium Cadmium	<0.004 0.01				0.01
	Chromium	0.05				0.10
	Copper Lead	0.015				0.2 0.1
	Mercury Selenium Silver	0.002 0.05 0.05				0.05
	INORGANICS (MAXIMUM MG/L)					
	Bromate Boron	0.01				0.75
	Chlorite Fluoride (3) Nitrates as N Total Dissolved	<1.0 1.4-2.4 10				0.75
	Solids (4)		TGAT			1200
	(MAXIMUM pCi/L)	RADIOLOG	ICAL			
	Gross Alpha Gross Beta (Combined) Strontium 90 Tritium Uranium	15 4 mrem/y 5 8 20000 30	r	Radi	um 226, 2	15 228
	ORGANICS (MAXIMUM UG/L)					
	Chlorophenoxy Herbicides 2,4-D 2,4,5-TP Methoxychlor	70 10 40				
	POLLUTION INDICATORS (5)					
	BOD (MG/L)	54	5		5	5 5/18/2011

Nitrate as N (MG/L Total Phosphorus a (MG/L)(6) FOOTNOTES:		4 5 0.05		
 (1) Reserved (2) The dissolved sample in the field, ac digestion process in th laboratory methods for (3) Maximum conce maximum mean air temper 	e laboratory, and the required dete ntration varies a	e sample in the analysis by app ction levels.	field, no proved	
TEMP (C) MG/	L			
12.02.412.1-14.62.214.7-17.62.017.7-21.41.821.5-26.21.626.3-32.51.4				
(4) For water qual representative samples				Deleted: Site-specific criteria for total dissolved solids may
SITE SPECIFIC STANDARDS	FOR TOTAL DISSOL	VED SOLIDS (TDS)		be adopted by rulemaking where it is demonstrated that: (a) a
Castle Creek from confl Day Adventist Diversion		lorado River to	Seventh	less stringent criterion is appropriate because of natural or un-alterable conditions; or (b) a less stringent, site-
Cottonwood Creek from 57: 3,500 mg/l;	the confluence w	ith Huntington C	reek to 1-	<pre>specific1 criterion and/or date- specified criterion is protective of1 existing and attainable agricultural uses; or (c) a</pre>
Ferron Creek from the (10: 3,500 mg/l;	confluence with S	an Rafael River	to Highway	more stringent criterion is attainable and necessary for the protection of sensitive crops.
Huntington Creek and Cottonwood Creek to U-10: 4,800 mg	tributaries f: /l;	rom the conflu	lence with	
Ivie Creek and its to Creek	ributaries from	the confluence	with Muddy	
to the confluence with 3,800 mg/l provided tha protect the livestock w	t total sulfate n	ot exceed 2,000		
Ivie Creek and its trib Creek to U10: 2,600 mg/		confluence with	Quitchupah	
Lost Creek from the con Service Boundary: 4,600		er River to U.S.	Forest 5/18/2011	

Muddy Creek and tributaries from the confluence with Ivie Creek toU-10: 2,600 mg/l; Muddy Creek from confluence with Fremont River to confluence with Ivie Creek: 5,800 mg/l; North Creek from the confluence with Virgin River to headwaters: 2,035 mg/l; Onion Creek from the confluence with Colorado River to road crossing above Stinking Springs: 3000 mg/l; Brine Creek-Petersen Creek, from the confluence with the Sevier River to U-119 Crossing: 9,700 mg/l; Price River and tributaries from confluence with Green River to confluence with Soldier Creek: Comment [C19]: #14 on the 04202011 2011 List 3,000 mg/l; Deleted: Coal Price River and tributaries from the confluence with <u>Soldier Creek</u> to Carbon Canal Diversion: Deleted: Coal Creek 1,700 mg/l Quitchupah Creek from the confluence with Ivie Creek to U-10: 3,800 mg/l provided that total sulfate not exceed 2,000 mg/l to protect the livestock watering agricultural existing use; Rock Canyon Creek from the confluence with Cottonwood Creek to headwaters: 3,500 mg/l; San Pitch River from below Gunnison Reservoir to the Sevier River: 2,400 mg/l; San Rafael River from the confluence with the Green River to Buckhorn Crossing: 4,100 mg/l; San Rafael River from the Buckhorn Crossing to the confluence with Huntington Creek and Cottonwood Creek: 3,500 mg/l; Sevier River between Gunnison Bend Reservoir and DMAD Reservoir: 1,725 mg/l;Sevier River from Gunnison Bend Reservoir to Clear Lake: 3,370 mq/l;South Fork Spring Creek from confluence with Pelican Pond Slough Stream to US 89 1,450 mg/l (Apr.-Sept.) 1,950 mg/l (Oct.-March) Virgin River from the Utah/Arizona border to Pah Tempe Springs: 56 5/18/2011

2,360 mg/l

(5) Investigations should be conducted to develop more information where these pollution indicator levels are exceeded. (6) Total Phosphorus as P (mg/l) indicator for lakes and reservoirs shall be 0.025. (7) Where the criteria are exceeded and there is a reasonable basis for concluding that the indicator bacteria E. coli are primarily from natural sources (wildlife), e.g., in National Wildlife Refuges and State Waterfowl Management Areas, the criteria may be considered attained provided the density attributable to non-wildlife sources is less than the criteria. Exceedences of E. coli from nonhuman nonpoint sources will generally be addressed through appropriate Federal, State, and local nonpoint source programs. Measurement of E. coli using the "Quanti-Tray 2000" procedure is approved as a field analysis. Other EPA approved methods may also be used. For water quality assessment purposes, up to 10% of representative samples may exceed the 668 per 100 ml criterion (for 1C and 2B waters) and 409 per 100 ml (for 2A waters). For small datasets, where exceedences of these criteria are observed, follow-up ambient monitoring should be conducted to better characterize water quality. TABLE 2.14.2 NUMERIC CRITERIA FOR AQUATIC WILDLIFE

Parameter	Aquatic 3A	Wildlife 3B	3C	3D	5		
PHYSICAL	511	50	50	50	5		
Total Dissolved Gases	(1)	(1)					
Minimum Dissolved Oxy (MG/L) (2)(2a)	gen						
30 Day Average 7 Day Average	6.5 9.5/5.0	5.5 6.0/4.0	5.0	5.0			
Minimum	8.0/4.0	5.0/3.0	3.0	3.0			
Max. Temperature(C)	20	_27	_27			Deleted: (3)	
Max. Temperature Change (C)(3)	2	4	4				
pH (Range)(2a) 6	.5-9.0 6.	5-9.0 6.	5-9.0	6.5-9.0			
Turbidity Increase (NTU)	10 57	10	15	15 5/18/2	011		

	METALS (4) (DISSOLVED, UG/L)(5) Aluminum 4 Day Average (6)	87	87	87	87	
	1 Hour Average	750	750	750	750	
	Arsenic (Trivalent) 4 Day Average 1 Hour Average	150 340	150 340	150 340	150 340	
	Cadmium (7) 4 Day Average 1 Hour Average	0.25 2.0	0.25 2.0	0.25 2.0	0.25 2.0	
	Chromium (Hexavalent) 4 Day Average	11	11	11	11	
	1 Hour Average Chromium (Trivalent) (7)	16	16	16	16	
	4 Day Average 1 Hour Average	74 570	74 570	74 570	74 570	
	Copper (7) 4 Day Average 1 Hour Average	9 13	9 13	9 13	9 13	
	Cyanide (Free) 4 Day Average 1 Hour Average Iron (Maximum)	5.2 22 1000	5.2 22 1000	5.2 22 1000	22 1000	
	Lead (7) 4 Day Average 1 Hour Average	2.5 65	2.5 65	2.5 65	2.5 65	
	Mercury 4 Day Average	0.012	0.012	0.012	0.012	Commont [C20], #10, and the
1 1	Nickel (7)					Comment [C20]: #10 on the 04202011 2011 List
	4 Day Average 1 Hour Average	52 468	52 468	52 468	52 468	Deleted: 1 Hour Average 2.4 2.4 2.4 2.4
	Selenium 4 Day Average 1 Hour Average	4.6 18.4		4.6 18.4	4.6 18.4	
	Selenium (14) Gilbert Bay (Class 5A) Great Salt Lake Geometric Mean over	58			5/18/2011	

Nesting Season (n	ng/kg dry wt)				12.5
Silver 1 Hour Average (7	7) 1.6	1.6	1.6	1.6	
Tributyl Tin					Comment [C21]: #8 on the
<u>4 Day Average</u>	0.072	0.072	0.072	0.072	04202011 2011 List
<u>1 Hour Average</u>	0.46	0.46	0.46	0.46	
inc (7) 4 Day Average 1 Hour Average	120 120	120 120	120 120	120 120	
INORGANICS (MG/L) (4) Total Ammonia as 30 Day Average 1 Hour Average	N (9) (9a) (9b)	(9a) (9b)	(9a) (9b)	(9a) (9b)	
Chloride					
4 Day Average	230	230	230	230	Comment [C22]: #18 on th 04202011 2011 List
1 Hour Average	860	860	860	860	
Chlorine (Total Residual) 4 Day Average 1 Hour Average	0.011 0.019	0.011 0.019	0.011 0.019	0.011 0.019	
Hydrogen Sulfide (Undissociated, Max. UG/L) Phenol(Maximum) RADIOLOGICAL	(13) 2.0 0.01 (MAXIMUM pCi/I	2.0 0.01	2.0 0.01	2.0 0.01	
Gross Alpha (10)	15	15	15	15	
ORGANICS (UG/L) Acrolein	(4)				Comment [C23]: #8 on the 04202011 2011 List
4 Day Average	3.0	3.0	3.0	3.0	
1 Hour Average	3.0	3.0	3.0	3.0	
Aldrin 1 Hour Average	1.5	1.5	1.5	1.5	
Chlordane					
4 Day Average	0.0043	0.0043	0.0043	0.0043	6
1 Hour Average	1.2	1.2	1.2	1.2	
Chlorpyrifos					Comment [C24]: #8 on the
4 Day Average	0.041	0.041	0.041	0.041	04202011 2011 List
1 Hour Average	0.083	0.083	0.083	0.083	
4,4' -DDT	5.9			F /1 0	8/2011

	4 Day Average 1 Hour Average	0.0010 0.55	0.0010 0.55	0.0010 0.55	0.0010 0.55
	Diazinon 4 Day Average 1 Hour Average	0.17 0.17	0.17 0.17	0.17 0.17	0.17 0.17
	Dieldrin 4 Day Average 1 Hour Average	0.056 0.24	0.056 0.24	0.056 0.24	0.056 0.24
	Alpha-Endosulfan 4 Day Average 1 Hour Average	0.056 0.11	0.056 0.11	0.056 0.11	0.056 0.11
	beta-Endosulfan 4 Day Average 1 Day Average	0.056 0.11	0.056 0.11	0.056 0.11	0.056 0.11
	Endrin 4 Day Average 1 Hour Average	0.036 0.086	0.036 0.086	0.036 0.086	0.036 0.086
	Heptachlor 4 Day Average 1 Hour Average	0.0038 0.26	0.0038 0.26	0.0038 0.26	0.0038 0.26
	Heptachlor epoxide 4 Day Average 1 Hour Average	0.0038 0.26	0.0038 0.26	0.0038 0.26	0.0038 0.26
	Hexachlorocyclohexane (Lindane) 4 Day Average 1 Hour Average	0.08 1.0	0.08 1.0	0.08 1.0	0.08
	Methoxychlor (Maximum) Mirex (Maximum)	0.03	0.03	0.03	0.03
	Nonylphenol 4 Day Average 1 Hour Average	6.6 28.0	6.6 28.0	6.6 28.0	6.6 28.0
	Parathion _4 Day Average 1 Hour Average	0.013 0.066	0.013 0.066	0.013 0.066	0.013 0.066
	PCB's 4 Day Average	0.014	0.014	0.014	0.014
	Pentachlorophenol (11) 4 Day Average	15 60	15	15	15 5/18/2011

1 Hour Average	19	19	19	19
Toxaphene 4 Day Average 1 Hour Average	0.0002 0.73	0.0002 0.73	0.0002 0.73	0.0002 0.73
POLLUTION INDICATORS (11) Gross Beta (pCi/L) BOD (MG/L) Nitrate as N (MG/L) Total Phosphorus as P	50 5 4 (MG/L) (12 0.05	50 5 4 2) 0.05	50 54	50 5

FOOTNOTES:

(1)Not to exceed 110% of saturation.

These limits are not applicable to lower water levels (2) in deep impoundments. First number in column is for when early life stages are present, second number is for when all other life stages present.

(2a) These criteria are not applicable to Great Salt Lake impounded wetlands. Surface water in these wetlands shall be protected from changes in pH and dissolved oxygen that create significant adverse impacts to the existing beneficial uses. To ensure protection of uses, the Executive Secretary shall develop reasonable protocols and guidelines that quantify the physical, chemical, and biological integrity of these waters. These protocols and guidelines will include input from local governments, the regulated community, and the general public. The Executive Secretary will inform the Water Quality Board of any protocols or guidelines that are developed. (3) <u>Reserved</u>

Site Specific Standards for Temperature

Ken's Lake: From June 1st - September 20th, 27 degrees C. (4) Where criteria are listed as 4-day average and

_ _ _ _ _ _ _ _ _ _ _ _ _

1-hour average concentrations, these concentrations should not be exceeded more often than once every three years on the average.

(5) The dissolved metals method involves filtration of the sample in the field, acidification of the sample in the field, no digestion process in the laboratory, and analysis by EPA approved laboratory methods for the required detection levels.

The criterion for aluminum will be implemented as (6) follows:

Where the pH is equal to or greater than 7.0 and the hardness is equal to or greater than 50 ppm as CaCO3 in the receiving water after mixing, the 87 ug/1 chronic criterion (expressed as total recoverable) will not apply, and aluminum will be regulated based on compliance with the 750 ug/1 acute aluminum criterion (expressed as total recoverable). (7) Hardness dependent criteria. 100 mg/l used.

Conversion factors for ratio of total recoverable metals to 5/18/2011 61

Deleted: The temperature standard shall be at background where it can be shown that natural or un-alterable conditions prevent its attainment. In such cases rulemaking will such cases rulemaking will be¶ undertaken to modify the standard accordingly.

dissolved metals must also be applied. In waters with a hardness greater than 400 mg/l as CaCO3, calculations will assume a hardness of 400 mg/l as CaC03. See Table 2.14.3 for complete equations for hardness and conversion factors. (8) Reserved

(9) The following equations are used to calculate Ammonia criteria concentrations:

(9a) The thirty-day average concentration of total ammonia nitrogen (in mg/l as N) does not exceed, more than once every three years on the average, the chronic criterion calculated using the following equations.

Fish Early Life Stages are Present:

 $\begin{array}{l} mg/l \text{ as } N \text{ (Chronic)} = ((0.0577/(1+10^{7.688-pH})) + (2.487/(1+10^{pH-7.668}))) \\ * \text{ MIN } (2.85, 1.45*10^{0.028*(25-T)}) \end{array}$

Fish Early Life Stages are Absent: $mg/1 \text{ as } N \text{ (Chronic)} = ((0.0577/(1+10^{7.688-pH})) + (2.487/(1+10^{PH-7.688})))$

* 1.45*10^{0.028* (25-MAX(T,7))})

(9b) The one-hour average concentration of total ammonia nitrogen (in mg/l as N) does not exceed, more than once every three years on the average the acute criterion calculated using the following equations.

Class 3A:

 $mg/l \text{ as } N \text{ (Acute)} = (0.275/(1+10^{7.204-pH})) + (39.0/1+10^{pH-7.204}))$ Class 3B, 3C, 3D:

 $mg/l as N (Acute) = 0.411/(1+10^{7.204-pH})) + (58.4/(1+10^{pH-7.204}))$ In addition, the highest four-day average within the 30-day period should not exceed 2.5 times the chronic criterion. The "Fish Early Life Stages are Present" 30-day average total ammonia criterion will be applied by default unless it is determined by the Division, on a site-specific basis, that it

is appropriate to apply the "Fish Early Life Stages are Absent" 30-day average criterion for all or some portion of the year. At a minimum, the "Fish Early Life Stages are Present" criterion will apply from the beginning of spawning through the end of the early life stages. Early life stages include the pre-hatch embryonic stage, the post-hatch free embryo or yolk-sac fry stage, and the larval stage for the species of fish expected to occur at the site. The division will consult with the Division of Wildlife Resources in making such determinations. The Division will maintain information regarding the waterbodies and time periods where application of the "Early Life Stages are Absent" criterion is determined to be appropriate.

(10) Investigation should be conducted to develop more information where these levels are exceeded.

(11) pH dependent criteria. pH 7.8 used in table. See Table 2.14.4 for equation.

(12) Total Phosphorus as P (mq/l) as a pollution indicator for lakes and reservoirs shall be 0.025.

(13) Formula to convert dissolved sulfide to un-disassociated hydrogen sulfide is: H_2S = Dissolved Sulfide * $e^{((-1.92 + pH) + 12.05)}$

(14) The selenium water quality standard of 12.5 (mg/kg dry 5/18/2011 62

weight) for Gilbert Bay is a tissue based standard using the complete egg/embryo of aquatic dependent birds using Gilbert Bay based upon a minimum of five samples over the nesting season. Assessment procedures are incorporated as a part of this standard as follows:

Egg Concentration Triggers: DWQ Responses

Below 5.0 mg/kg: Routine monitoring with sufficient intensity to determine if selenium concentrations within the Great Salt Lake ecosystem are increasing.

5.0 mg/kg: Increased monitoring to address data gaps, loadings, and areas of uncertainty identified from initial Great Salt Lake selenium studies.

6.4 mg/kg: Initiation of a Level II Antidegradation review by the State for all discharge permit renewals or new discharge permits to Great Salt Lake. The Level II Antidegradation review may include an analysis of loading reductions.

9.8 mg/kg: Initiation of preliminary TMDL studies to evaluate selenium loading sources.

12.5 mg/kg and above: Declare impairment. Formalize and implement TMDL.

Antidegradation Level II Review procedures associated with this standard are referenced at R317-2-3.5.C.

> TABLE 1-HOUR AVERAGE (ACUTE) CONCENTRATION OF TOTAL AMMONIA AS N (MG/L)

PН	Class 3A	Class 3B, 3C,	3D
6.5	32.6	48.8	
6.6	31.3	46.8	
6.7	29.8	44.6	
6.8	28.1	42.0	
6.9	26.2	39.1	
7.0	24.1	36.1	
7.1	22.0	32.8	
7.2	19.7	29.5	
7.3	17.5	26.2	
7.4	15.4	23.0	
7.5	13.3	19.9	
7.6	11.4	17.0	
7.7	9.65	14.4	
7.8	8.11	12.1	
7.9	6.77	10.1	
8.0	5.62	8.40	
	63		5/18/2011

4.64	6.95
3.83	5.72
3.15	4.71
2.59	3.88
2.14	3.20
1.77	2.65
1.47	2.20
1.23	1.84
1.04	1.56
0.89	1.32
	3.83 3.15 2.59 2.14 1.77 1.47 1.23 1.04

TABLE 30-DAY AVERAGE (CHRONIC) CONCENTRATION OF TOTAL AMMONIA AS N (MG/1)

Fish Early Life Stages Present Temperature, C

T	0	7 4	10	-	acure,		24	20	20	2.0
pH	0	14	16	18	20	22	24	26	28	30
6.5	6.67	6.67	6.06	5.33	4.68	4.12	3.62	3.18	2.80	2.46
6.6	6.57	6.57	5.97	5.25	4.61	4.05	3.56	3.13	2.75	2.42
6.7	6.44	6.44	5.86	5.15	4.52	3.98	3.50	3.07	2.70	2.37
6.8	6.29	6.29	5.72	5.03	4.42	3.89	3.42	3.00	2.64	2.32
6.9	6.12	6.12	5.56	4.89	4.30	3.78	3.32	2.92	2.57	2.25
7.0	5.91	5.91	5.37	4.72	4.15	3.65	3.21	2.82	2.48	2.18
7.1	5.67	5.67	5.15	4.53	3.98	3.50	3.08	2.70	2.38	2.09
7.2	5.39	5.39	4.90	4.31	3.78	3.33	2.92	2.57	2.26	1.99
7.3	5.08	5.08	4.61	4.06	3.57	3.13	2.76	2.42	2.13	1.87
7.4	4.73	4.73	4.30	3.78	3.32	2.92	2.57	2.26	1.98	1.74
7.5	4.36	4.36	3.97	3.49	3.06	2.69	2.37	2.08	1.83	1.61
7.6	3.98	3.98	3.61	3.18	2.79	2.45	2.16	1.90	1.67	1.47
7.7	3.58	3.58	3.25	2.86	2.51	2.21	1.94	1.71	1.50	1.32
7.8	3.18	3.18	2.89	2.54	2.23	1.96	1.73	1.52	1.33	1.17
7.9	2.80	2.80	2.54	2.24	1.96	1.73	1.52	1.33	1.17	1.03
8.0	2.43	2.43	2.21	1.94	1.71	1.50	1.32	1.16	1.02	0.90
8.1	2.10	2.10	1.91	1.68	1.47	1.29	1.14	1.00	0.88	0.77
8.2	1.79	1.79	1.63	1.43	1.26	1.11	0.97	0.86	0.75	0.66
8.3	1.52	1.52	1.39	1.22	1.07	0.94	0.83	0.73	0.64	0.56
8.4	1.29	1.22	1.17	1.03	0.91	0.80	0.00	0.62	0.54	0.48
	1.09	1.09	0.99	0.87	0.91	0.80	0.59	0.62	0.34	0.40
8.5										
8.6	0.92	0.92	0.84	0.73	0.65	0.57	0.50	0.44	0.39	0.34
8.7	0.78	0.78	0.71	0.62	0.55	0.48	0.42	0.37	0.33	0.29
8.8	0.66	0.66	0.60	0.53	0.46	0.41	0.36	0.32	0.28	0.24
8.9	0.56	0.56	0.51	0.45	0.40	0.35	0.31	0.27	0.24	0.21
9.0	0.49	0.49	0.44	0.39	0.34	0.30	0.26	0.23	0.20	0.18

TABLE 30-DAY AVERAGE (CHRONIC) CONCENTRATION OF TOTAL AMMONIA AS N (MG/l)

Fish Early Life Stages Absent Temperature, C 64

pH 6.5 6.6 6.7 6.8 6.9 7.0 7.1 7.2 7.3 7.4 7.5 7.7 7.8 7.9 8.1 8.2 8.3 8.4 8.5 8.4 8.5 8.5 8.9 9.0			0.806	$\begin{array}{c} 10\\ 8.92\\ 9.37\\ 8.62\\ 8.19\\ 7.91\\ 7.58\\ 7.21\\ 6.79\\ 6.33\\ 5.84\\ 5.32\\ 4.79\\ 4.26\\ 3.74\\ 3.26\\ 2.81\\ 2.40\\ 2.04\\ 1.73\\ 1.46\\ 1.23\\ 1.04\\ 0.885\\ 0.758\\ 0.651\\ \end{array}$	0.829 0.709	0.778 0.664	0.623	0.805 0.684 0.584	0.601 0.513
pH 6.5 6.6 6.7 6.8 6.9 7.0 7.1 7.2 7.3 7.4 7.5 7.6 7.7 7.8 7.9 8.0 8.1 8.2 8.3 8.4 8.5 8.6 8.7 8.8	0.735 0.622	0.765 0.646 0.547	0.796 0.672 0.568 0.480	$\begin{array}{c} 24\\ 3.62\\ 3.56\\ 3.50\\ 3.42\\ 3.32\\ 3.21\\ 3.08\\ 2.92\\ 2.76\\ 2.57\\ 2.37\\ 2.16\\ 1.94\\ 1.73\\ 1.52\\ 1.32\\ 1.14\\ 0.073\\ 0.827\\ 0.700\\ 0.591\\ 0.499\\ 0.422\\ 0.359\\ 65 \end{array}$	0.615 0.520 0.439 0.371	0.752 0.639 0.541 0.457 0.396 0.326	0.562 0.475 0.401 0.339 0.287	5	/18/2011

8.9	0.451 0).397	0.349	0.306	0.269	0.237	0.208
9.0	0.389 0	0.342	0.300	0.264	0.232	0.204	0.179

TABLE 2.14.3a

EQUATIONS TO CONVERT TOTAL RECOVERABLE METALS STANDARD WITH HARDNESS (1) DEPENDENCE TO DISSOLVED METALS STANDARD BY APPLICATION OF A CONVERSION FACTOR (CF).

Parameter	4-Day Average (Chronic) Concentration (UG/L)
CADMIUM	$CF * e^{(0.7409 (ln(hardness)) -4.719}$ CF = 1.101672 - ln(hardness) (0.041838)
CHROMIUM III	$CF \star e^{(0.8190(ln(hardness)) + 0.6848)}$ CF = 0.860
COPPER	$CF \star e^{(0.8545(ln(hardness)) - 1.702)}$ CF = 0.960
LEAD	$CF * e^{(1.273 (\ln(hardness)) - 4.705)}$ $CF = 1.46203 - \ln(hardness) (0.145712)$
NICKEL	$CF * e^{(0.8460(ln(hardness))+0.0584)}$ CF = 0.997
SILVER	N/A
ZINC	Cf * $e^{(0.8473 (\ln(hardness))+0.884)}$ CF = 0.986

TABLE 2.14.3b

EQUATIONS TO CONVERT TOTAL RECOVERABLE METALS STANDARD WITH HARDNESS (1) DEPENDENCE TO DISSOLVED METALS STANDARD BY APPLICATION OF A CONVERSION FACTOR (CF).

Parameter	1-Hour Average (Acute) Concentration (UG/L)	
CADMIUM	CF * e $^{(1.0166(\ln(hardness))-3.924)}$ CF = 1.136672 - ln(hardness)(0.041838)	
CHROMIUM (III	I) CF * e ^{(0.8190(ln(hardness)) +3.7256)} CF = 0.316	
COPPER	$CF * e^{(0.9422(\ln(hardness)) - 1.700)} CF = 0.960$	
LEAD	$CF \star e^{(1.273(\ln(hardness))-1.460)}$ 66	5/18/2011

CF = 1.46203 - ln(hardness)(0.145712)

NICKEL	CF	*	e ^{(0.8460(ln(hardness)) +2.255}
			CF= 0.998

SILVER

 $CF \star e^{(1.72(\ln(hardness)) - 6.59)}$ CF = 0.85

ZINC

CF * $e^{(0.8473(\ln(hardness)) + 0.884)}$ CF = 0.978

FOOTNOTE:

(1) Hardness as $mg/l CaCO_3$.

TABLE 2.14.4 EQUATIONS FOR PENTACHLOROPHENOL (pH DEPENDENT)

4-Day Average (Chronic) Concentration (UG/L) 1-Hour Average (Acute) Concentration (UG/L)

e^{(1.005(pH))-5.134}

e^{(1.005(pH))-4.869}

TABLE 2.14.5 SITE SPECIFIC CRITERIA FOR DISSOLVED OXYGEN FOR JORDAN RIVER, SURPLUS CANAL, AND STATE CANAL (SEE SECTION 2.13)

DISSOLVED OXYGEN:	
May-July	
7-day average	5.5 mg/l
30-day average	5.5 mg/l
Instantaneous minimum	4.5 mg/l
August-April	
30-day average	5.5 mg/l
Instantaneous minimum	4.0 mg/l

TABLE 2.14.6 LIST OF HUMAN HEALTH CRITERIA (CONSUMPTION)

	Chemical Parameter	Water and Organism Organism Only
	(ug/L)	(ug/L)
	Class 1C	Class 3A,3B,3C,3D
Antimony	5.6	640
Arsenic	A	A
Beryllium	С	C
Cadmium	С	С
Chromium III	С	C
Chromium VI	С	C
	67	5/18/2011

Copper	1,300		
Lead	С	С	
Mercury	A	A	
Nickel	100 MCL	4,600	
Selenium	A	4,200	
Silver			
Thallium	0.24	0.47	
Zinc	7,400	26,000	
Cyanide	140	140	
Asbestos	7 million		
	Fibers/L		
2,3,7,8-TCDD Dioxin	5.0 E -9 B	5.1 E-9 B	
Acrolein	<u>6.0</u>	9.0	Comment [C25]: #8 on the
Acrylonitrile	0.051 B	0.25 B	04202011 2011 List
Alachlor	2.0		
Atrazine	3.0	Т. Х.	Deleted: 190
Benzene	2.2 B	51 B	Deleted: 290
Bromoform	4.3 B	140 B	
Carbofuran	40		
Carbon Tetrachloride	0.23 B	1.6 B	
Chlorobenzene	100 MCL	1,600	
Chlorodibromomethane	0.40 B	13 B	
Chloroethane			
2-Chloroethylvinyl Ether			
Chloroform	5.7 B	470 B	
Dalapon	200		
Di(2ethylhexl)adipate	400		
Dibromochloropropane	0.2		
Dichlorobromomethane	0.55 B	17 B	
1,1-Dichloroethane			
1,2-Dichloroethane	0.38 B	37 B	
1,1-Dichloroethylene	7 MCL	7,100	
Dichloroethylene (cis-1,2)	70	.,	
Dinoseb	7.0		
Diquat	20		
1,2-Dichloropropane	0.50 B	15 B	
1,3-Dichloropropene	0.34	21	
Endothall	100		
Ethylbenzene	530	2,100	
Ethylene Dibromide	0.05	_,,	
Glyphosate	700		
Haloacetic acids	60 E		
Methyl Bromide	47	1,500	
Methyl Chloride	F	F	
Methylene Chloride	4.6 B	590 B	
Ocamyl (vidate)	200		
Picloram	500		
Simazine	4		
Styrene	100		
1,1,2,2-Tetrachloroethane	0.17 B	4.0 B	
Tetrachloroethylene	0.69 B	3.3 B	
Toluene	1,000	15,000	
1,2 -Trans-Dichloroethylene	100 MCL	10,000	
,	68	5/18/2011	
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1,1,1-Trichloroethane	200 MCL	F		
1,1,2-Trichloroethane	0.59 B	16 B		
Trichloroethylene	2.5 B	30 B		
Vinyl Chloride	0.025	2.4		
Xylenes	10,000			
2-Chlorophenol	81	150		
2,4-Dichlorophenol	77	2902,4-		
Dimethylphenol	380	850		
2-Methyl-4,6-Dinitrophenol	13.0	280		
2,4-Dinitrophenol	69	5,300		
2-Nitrophenol	09	5,500		
4-Nitrophenol				
3-Methyl-4-Chlorophenol				
Penetachlorophenol	0.27 B	3.0 B		
Phenol	<u>10</u> ,000	<u>860,000</u>		
2,4,6-Trichlorophenol	1.4 B	2.4 B	Comment [C26]: #8 04202011 2011 Lis	
Acenaphthene	670	990		
Acenaphthylene	870	996	Deleted: 21	
Anthracene	8,300	40,000	Deleted: 1,7	
Benzidine	0.000086 B	0.00020 B		
BenzoaAnthracene	0.0038 B	0.018 B	Deleted: 0,	
BenzoaPyrene	0.0038 B	0.018 B	Deleted: 0	
BenzobFluoranthene	0.0038 B	0.018 B		
BenzoghiPerylene				
BenzokFluoranthene	0.0038 B	0.018 B		
Bis2-ChloroethoxyMethane				
Bis2-ChloroethylÉther	0.030 B	0.53 B		
Bis2-Chloroisopropy1Ether	1,400	65,000		
Bis2-EthylhexylPhthalate	1.2 B	2.2 B		
4-Bromophenyl Phenyl Ether				
Butylbenzyl Phthalate	1,500	1,900		
2-Chloronaphthalene	1,000	1,600		
4-Chlorophenyl Phenyl Ether				
Chrysene	0.0038 B	0.018 B		
Dibenzoa, hAnthracene	0.0038 B	0.018 B		
1,2-Dichlorobenzene	420	1,300		
1,3-Dichlorobenzene	320	960		
1,4-Dichlorobenzene	63	190		
3,3-Dichlorobenzidine	0.021 B	0.028 B		
Diethyl Phthalate	17,000	44,000		
Dimethyl Phthalate	270,000	1,100,000		
Di-n-Butyl Phthalate	2,000	4,500		
2,4-Dinitrotoluene	0.11 B	3.4 B		
2,6-Dinitrotoluene	0.11 D	5.1 2		
Di-n-Octyl Phthalate				
1,2-Diphenylhydrazine	0.036 B	0.20 B		
Fluoranthene	130 14			
Fluorene	1,100	5,300		
Hexachlorobenzene	0.00028 B	0.00029 B		
Hexachlorobutedine	0.44 B	18 B		
Hexachloroethane	1.4 B	3.3 B		
Hexachlorocyclopentadiene	40	1,100		
Ideno 1,2,3-cdPyrene	0.0038 B	0.018 B		
	69	5/18/2011		
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Isophorone	35 B	960 B				
Naphthalene Nitrobenzene	17	690				
N-Nitrosodimethylamine	0.00069 B	3.0 B				
N-Nitrosodi-n-Propylamine		0.51 B				
N-Nitrosodiphenylamine	3.3 B	6.0 B				
Phenanthrene						
Pyrene	830	4,000				
1,2,4-Trichlorobenzene Aldrin	35 0.000049 B	70 0.000050 B				
alpha-BHC	0.0026 B	0.0049 B				
beta-BHC	0.0091 B	0.017 B				
gamma-BHC (Lindane)	0.2 MCL	1.8				
delta-BHC						
Chlordane	0.00080 B	0.00081 B				
4,4-DDT 4,4-DDE	0.00022 B 0.00022 B	0.00022 B 0.00022 B				
4,4-DDE 4,4-DDD	0.00022 B 0.00031 B	0.00022 B 0.00031 B				
Dieldrin	0.000052 B	0.000054 B				
alpha-Endosulfan	62	89				
	62	89				
Endosulfan Sulfate	62	89				
Endrin Endrin Aldobudo	0.059 0.29	0.060 0.30				
Endrin Aldehyde Heptachlor	0 000079 B	0.30 0.000079 B				
Heptachlor Epoxide	0.000039 B	0.000039 B				
Polychlorinated Biphenyls	0.000064 B,D	0.000064 B,D				
PCB's						
Toxaphene	0.00028 B	0.00028 B				
Footnotes:						
A. See Table 2.14.2 B. Based on carcinogenicity of 10-6 risk.						
C. EPA has not calculated a human criterion for this						
contaminant. However, permit authorities should address						
this contaminant in NPDES permit actions using the State's						
existing						
narrative criteria for toxics						
D. This standard applies to total PCBs.						
KEV. water pollution water quality standards						

KEY: water pollution, water quality standards
Date of Enactment or Last Substantive Amendment: April 1, 2010
Notice of Continuation: October 2, 2007
Authorizing, and Implemented or Interpreted Law: 19-5

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