

**PART 2**  
**Draft 2010 Utah Integrated Report**  
**Water Quality Assessment 305(b) Report**



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**Utah Division of Water Quality**

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Appendix A-2	Draft Great Salt Lake Assessment for Mercury Part 2 Ecological Risk Assessment Approach
Appendix B-1	Comments and Responses for Draft 2010 Integrated Report (reserved)

1.1 INTRODUCTION

Utah’s surface water resources include 14,250 perennial miles of rivers and streams and over 2000 lakes and reservoirs. Utah is the second driest state in the country and these waters play a major role in the private, commercial and industrial development of the state. They are sources of drinking water, provide enormous recreational opportunities, sustain a wide variety of wildlife, and provide water for agricultural production. An overview of the Utah’s waters are listed Table 1-1.

**Table 1-1 Atlas of State's Characteristics**

Atlas of State’s Characteristics	
Total Miles of Rivers and Streams	85,916
-Miles of Perennial Rivers / Streams	14,250
-Miles of Intermittent Rivers and Streams	66,649
-Miles of Ditches and Canals	4,017
Number of Lakes / Reservoirs / Ponds	2,085
- Acres of Lakes / Reservoirs / Ponds	461,717
Wetlands	
- Acres of Freshwater Wetlands	510,359
-Linear Miles of Wetlands	1,902

Utah assesses the quality of its surface water resources to protect the beneficial uses of drinking water, recreation, agriculture, and aquatic life. Data are compared against State water quality numeric and narrative standards (UAC R317-2) to determine beneficial use support. Assessments are also made using biological and habitat data. These assessments of water quality data are used to identify impaired Assessment Units. The water quality data are also used for Total Maximum Daily Load (TMDL) analyses to establish a plan to restore impaired waters that are not meeting the beneficial uses.

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## 1.2 RESULTS

Utah uses a basin rotation type of monitoring for its rivers and streams. This allows the State to collect more detailed data that increases confidence in the assessments. The State is divided into five monitoring regions and ten watershed management units. All readily available data collected statewide, including data submitted by entities other than DWQ, are used to make assessments. For the 2010 reporting cycle, data collected from January 1, 2007 through December 31, 2008 were used in addition to data collected from up to ten years ago. If no new data is available for the 2010 reporting cycle, the assessments were made on the available existing data.

### **1.2.1 Fish Consumption Advisories**

Seventeen AUs currently have fish consumption advisories, sixteen of which are for mercury and one that is for polychlorinated biphenyls (Table 1-2). Of these, only Newcastle Reservoir is classified as impaired.

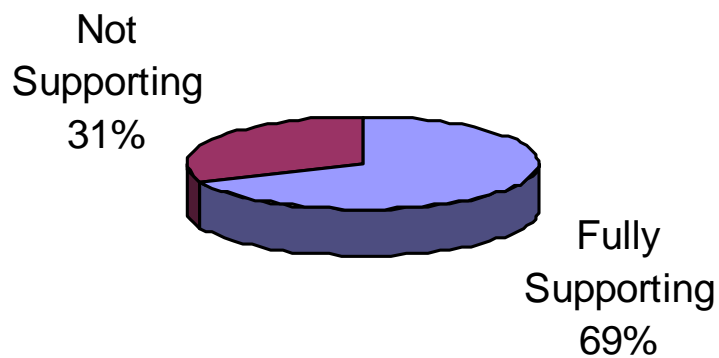
**Table 1-2 Assessment Units That Have Fish Consumption Advisories**

<b>Assessment Units That Have Fish Consumption Advisories</b>		
<b>Watershed</b>	<b>Assessment</b>	<b>Assessment</b>
	<b>Unit</b>	<b>Unit</b>
	<b>ID</b>	<b>Name</b>
Bear River	UT-L-16010203-009	Porcupine Reservoir
Cedar / Beaver River	UT-L-16030006-008	Newcastle Reservoir
Cedar / Beaver River	UT-L-16030006-002	Upper Enterprise Reservoir
Colorado River West	UT-L-14060009-017	Joes Valley Reservoir
Colorado River West	UT14070005-007	Calf Creek
Colorado River West	UT14070005-004	Pine Creek
Jordan River / Utah Lake	UT-L-16020203-003	Jordanelle Reservoir
Jordan River / Utah Lake	UT-L-16020201-004	Utah Lake
Lower Colorado River	UT-L-15010008-001	Gunlock Reservoir
Lower Colorado River		Sand Hollow Reservoir <sup>1</sup>
Sevier River	UT16030002-005	East Fork Sevier-4
Colorado River Southeast	UT14030005-005	Mill Creek-1

Assessment Units That Have Fish Consumption Advisories		
Uinta Basin	UT-L-14060002-006	Red Fleet Reservoir
Uinta Basin	UT-L-14060002-004	Steinaker Reservoir
Uinta Basin	UT14060005-008	Rock Creek
Uinta Basin	UT14060005-009	Green River-3
Weber River	UT16020102-022	Weber River-6
<sup>1</sup> New reservoir in 2003 and no other data currently available		

**1.2.2 Streams**

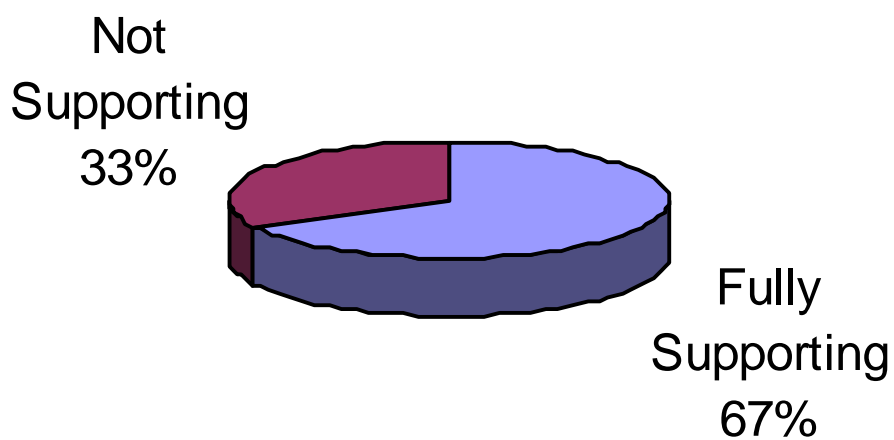
Of the 10,434 stream miles assessed, 69 percent are fully supporting and 31 percent are not supporting at least one beneficial use (Figure 1-1).



**Figure 1-1 Summary of Support Status for Stream Miles**

### **1.2.3 Lakes**

The 132 lakes and reservoirs assessed during this reporting cycle account for 97 of the total lake acreage in the state. When accounting by acreage, 67 percent support the designated uses and 33 percent do not support at least one designated beneficial use (Figure 1-2).



**Figure 1-2 Summary of Lake (acres) Support Status**