

R 317-2-14 Numeric Criteria for Domestic Recreation, Aquatic Wildlife and Agricultural Uses

<http://www.rules.utah.gov/publicat/code/r317/r317-002.htm#T16>

Parameters	Units	Domestic Source	Recreation and Aesthetics		Aquatic Wildlife				Agriculture
			1C	2A	2B	3A	3B	3C	
pH	Range	6.5-9.0	6.5-9.0	6.5-9.0	6.5-9.0	6.5-9.0	6.5-9.0	6.5-9.0	6.5-9.0
Max. Temperature	°C				20	27	27		
Max. E. coli	(No.)/100mL	668	409	668					
Turbidity Increase	NTU		10	10	10	10	15	15	
Minimum Dissolved Oxygen	(mg/L)	First number in column is for when early life stages are present, second number is for when all other life stages present.			8.0 / 4.0	5.0 / 3.0	3.0	3.0	
Minimum Dissolved Oxygen	(mg/L) 30 Day-Average				6.5	5.5	5.0	5.0	
Minimum Dissolved Oxygen	(mg/L) 7 Day-Average	First number in column is for when early life stages are present, second number is for when all other life stages present.			9.5/5.0	6.0 / 4.0			

Use Designations:

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

Class 2A - Protected for frequent primary contact recreation where there 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.

Class 2B - Protected for infrequent primary contact recreation. Also protected for secondary contact recreation where 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.

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.

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

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

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.

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

Visit our Water Quality Interpretation Tool to further investigate water quality standards: <http://extension.usu.edu/waterquality/htm/wqtool>