Lake Field Datasheet (Tier 1)
Utah Water Watch

Site Name: _____ **Date Sampled:** _____ **Time Sampled:** _____

Field Monitor Name(s): _____

UWW ID: _____ **Hours Sampling/traveling:** _____ **Miles traveled:** _____

UWW Site ID: _____ **# of participants:** _____ **Decontamination:** **Yes** **No**

FIELD OBSERVATIONS *(Circle one for each, unless instructed otherwise)*:

Water Odor:	None	Chlorine	Oil	Musty	Sewage	Fishy	Rotten Egg
Water Surface:	Clear	Scummy	Foamy	Natural Debris	Trash	Sheen/ Oily	
Water Clarity:	Clear	Cloudy/ Murky	Turbid				
Water Condition:	Calm	Ripples	Small Waves	Moderate Waves	Whitecaps		
Water Color:	Clear	Brownish	Greenish	Reddish	Blue	Orange	
Dead Fish:	None	1 to 3	4 to 10	>10			
Current Weather:	Clear	Cloudy	Overcast	Light Right	Heavy Rain	Snow	
Photo Point *(Circle one for each photo taken)*:	Right Bank	Left Bank	Scope of the Lake				
	On Shore	Dock/Pier	Boat	Other:_____			

Provide short description of each photo:

_____

_____

_____

Rainfall in last 24 hours (inches) _____

Comments: _____

_____

FIELD SAMPLES:

Location *(circle one)*: On Shore Dock/Pier Boat

Parameter	Reading (measurement)	Unit	Allowable Range in Utah
Air Temperature		°C	
Water Temperature		°C	Max temp for warm water fish = 27 °C Max temp for cold water fish = 20 °C
pH		None	6.5 to 9.0
Secchi depth		Meter(s)	0.1 to 13 meters

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Salinity Parameters	Reading (measurement)	Unit	Allowable Range in Utah
Conductivity		µS/cm	1880 µS/cm is approximately equal to TDS of 1200 mg/L
TDS		mg/L *(1 ppm = 1 mg/L)*	1200 mg/L maximum allowable value of TDS for water used for irrigation
Water Temperature (conductivity meter reading)		°C	

ALGAL MONITORING *(Circle one for each)*:

Algae observed in lake?	***Yes***	***No***	
Types Observed	*Floating Scum*	*Water column*	*Filamentous*
Harmful bloom suspected?	*Yes*	*No*	
Bloomwatch / UWW contacted?	*Yes*	*No*	

Comments *(location of blooms and percent cover)*:

_____

_____

E. coli BACTERIA- (Coliscan Easygel Method): *Monthly- May through Sept.*

Incubation start time: _____ **Total hours**: _____ **Incubation temp °C:** _____

Concentration = $\left(\frac{100}{Sample\ size\ in\ mL}\right) \times \left(\frac{colonies}{counted}\right) = \frac{cfu}{100\ mL}$

Reading #1 $\left(\frac{100}{\quad}\right) \times (\quad) = \frac{cfu}{100\ mL}$

Reading #2 $\left(\frac{100}{\quad}\right) \times (\quad) = \frac{cfu}{100\ mL}$

Average Concentration = $\frac{(\textbf{Reading \#1} + \textbf{Reading \#2})}{2}$

Average E. coli = _____ cfu / 100 ml

NOTE: If average is greater than 400 cfu / 100 ml, contact UWW.

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COMMUNITY FISHING INFORMATION:

Number of people fishing: _____

Hours spent fishing: _____

Birds Observed while Fishing:

# of Cormorants: _____

# of Pelicans: _____

Fish caught	Number
Bluegill	
Wiper (hybrid)	
Carp	
Rainbow Trout	
Catfish	
Bass	
Other	