

UNITED STATES FISH AND WILDLIFE - LAKE FISH AND WATER QUALITY FIELD NOTES

Lake Name _____ : Date _____ : Time Start _____

DATA RECORDER(S) _____ : Time End _____

Team Members _____

SAMPLES COLLECTED

WATER CHEMISTRY

Unfiltered MeHg equip blank

Unfiltered for methyl mercury

Filtered for metal scan

Filtered equipment blank

WATER QUALITY

Unfiltered for turbidity

Unfiltered for nutrients

Filtered for hardness

Filtered for nutrients

FISH TISSUES

Fish fillets for methyl mercury

Fish fillets for metal scan

Fish remainders for metal scan

Other Observations:

(Codes: 0-none 1-mild 2-moderate 3-serious 4-extreme)

(option: LEAVE BLANK IF NONE)

- Floating debris : _____
- Floating garbage : _____
- Floating algae mats : _____
- Fish kill : _____
- Detergent suds : _____
- Odors : _____
- Oil-grease : _____

Checked by : _____

Date: _____

Lake Edge Habitat Conditions and Weather

Weather (circle 4): Clear Partly Cloudy Cloudy
 Light Medium Heavy Rain
 Calm Light Breeze Gusty Windy
 Cold Warm Hot Other

EDGE HABITAT CONDITIONS AT EACH CARDINAL (N,S,E,W) DIRECTION:

_____ Edge Site (Latitude _____ Longitude _____)

Bank Stability: stable/vegetated some sloughing sparse veg/instable bare/sloughed
Bottom Substrate: bedrock cobble gravel sand silt organic other_____
Aquatic Vegetation: patchy lined edge cattails/rushes grasses periphyton

Comments:

_____ Edge Site (Latitude _____ Longitude _____)

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Comments:

US FISH AND WILDLIFE SERVICE - WATER QUALITY DEVICE CALIBRATION NOTES

Lake Name _____ : Date _____

RECORDER(S) _____

GPS Manufacturer: _____ Model: _____ Serial No. _____ Settings: _____

Using multiprobe? Yes No (if so, fill information below only once)

Manufacturer: _____ Model: _____ Serial No. _____

pH Manufacturer: _____ Model: _____ Serial No. _____

pH Buffer	Buffer Temp C	Initial Reading	Adj. Reading	Remarks
____.____				
____.____				
____.____				
____.____				

SPECIFIC CONDUCTANCE Manufacturer: _____ Model: _____ Serial No. _____

Standard value	Std Temp C	Initial Reading	Adj. Reading	Remarks

DISSOLVED OXYGEN Manufacturer: _____ Model: _____ Serial No. _____

- Calibration: Air Calibration using Site Water
 Air Calibration using De-ionized Water
 Air Calibration using sponge
 D.O. Zero Check (using zero D.O. solution) Yes No
 Calibration by Winkler Titration
 Thermister Check Yes No

Absolute Barometric Pressure _____ mm Hg; Salinity Correction Factor _____ H₂O Temp. _____ °C
 Chart D.O. /Sat. _____ mg/L stirrer used? Yes No if yes, magnetic stirrer manually stirred
 Meter D.O. /Sat. _____ mg/L; Adjusted to _____ (if correction factor applicable)

BALANCE

Spring scale: Manufacturer: _____ Model: _____ Serial No.: _____

Calibration Mass _____ grams Mass Before _____ grams Mass After _____ grams

Electronic Scale: Manufacturer: _____ Model: _____ Serial No.: _____

Calibration Mass _____ grams Mass Before _____ grams Mass After _____ grams

TURBIDIMETER Manufacturer: _____ Model: _____ Serial No.: _____

Primary Calibration Date? _____
 Secondary Calibration Standard (0-10) Reading _____
 Secondary Calibration Standard (10-100) Reading _____
 Secondary Calibration Standard (100-400) Reading _____

Calibration Notes and Remarks: _____

US FISH AND WILDLIFE SERVICE - FISH QUALITY MEASUREMENT NOTES

Lake Name _____ : Date _____
 Electrofishing Settings _____ : Shocking Seconds _____ Time Begin _____ &End _____
 Collection Team _____ RECORDER(S) _____

Species Name:

Fish #	Length (mm)	Weight (g)	Fillet Wt	Offal Wt	Health Notes
001					
002					
003					
004					
005					
	Avg:	Avg:	Sum:	Sum:	
			Samp ID	Samp ID	
# Redo					

Species Name:

Fish #	Length (mm)	Weight (g)	Fillet Wt	Offal Wt	Health Notes
006					
007					
008					
009					
010					
	Avg:	Avg:	Sum:	Sum:	
			Samp ID	Samp ID	

Species Name:

Fish #	Length (mm)	Weight (g)	Fillet Wt	Offal Wt	Health Notes
011					
012					
013					
014					
015					
	Avg:	Avg:	Sum:	Sum:	
			Samp ID	Samp ID	

Species Name:

Fish #	Length (mm)	Weight (g)	Fillet Wt	Offal Wt	Health Notes
016					
017					
018					
019					
020					
	Avg:	Avg:	Sum:	Sum:	
			Samp ID	Samp ID	
# Redo					

Use this page to draw map with the Lake Limnology and Water Quality Measurement Notes

– *Please Note NORTH* –

US FISH AND WILDLIFE SERVICE – LAKE MAP

Lake Name _____ : Date _____