

Rivers and Streams Field Sheet

Organization: _____ **General weather conditions last 3 days:**
SARIS #: _____ **date:** _____ **Rain:** _____ **Temp:** _____ **Notes:** _____
River Name: _____ **(cm)** _____ **(°C)** _____
Town: _____
Site ID #: _____ **Sampling Crew (names of volunteers):** _____
Site Name: _____

Date: _____ **Time (24 hr):** _____

Photos taken? yes no

Photo Negative Numbers:

Staff gage reading and source/type (if available):

Estimated water velocity none (0 m/s) low (0-1 m/s) medium (1-5 m/s) high (>5 m/s)

Current Weather:	Air Temperature: °C	Wind Conditions:	Odor:	Water Clarity:	Water Color:
Clear	_____ °C	Calm (0-2 km/h)	None	(check all that apply)	Clear/Blue
Partly sunny	(°C)	Slight breeze (2-8 km/h)	Sulfide (rotten egg)	Clear	Grayish
Partly cloudy	< 0	Moderate winds (8-25 km/h)	Chlorine	Suspended solids/murky	Light yellow/tan
Overcast	0 - 5	Gusty (15-40 km/h)	Petroleum	Slightly turbid	Dark tan
Foggy	5 - 10	Storm winds (> 40 km/h)	Musty (basement)	Highly cloudy	Light green tint
Drizzly	10 - 15	Strong gusts (25-40 km/h)	Rotting vegetables		Green
Light rain	15 - 20	River Water Level	Septic		Brownish
Heavy rain	20 - 25	Low (estimate minus ____ cm)	Other		Blue-green
Sleet	25 - 30	Normal			Reddish Blackish
Snow	>30	High (estimate plus ____ cm)			Other

Presence of Algae (check all that apply) None Unobservable (note why in description) Sparse (0-25%) Moderate (25-75%) Dense (75-100%) Suspended Floating Algae Description (general type, extent, color, condition, and location):	Density of Aquatic Plants None Unobservable (note why in description) Sparse (0-25%) Moderate (25-75%) Dense (75-100%) Emergent Floating Submerged	Presence of Periphyton None Sparse (0-25%) Moderate (25-75%) Dense (75-100%) Attached (on rocks, bottom) Epiphyton (on plants) Filamentous slime Green/brown benthic mat Green/brown rocks Brown/rusty floc
	Aquatic Plant Description (list plants in general vicinity of station; note genus and species if known and location [streambed or near bank]):	Periphyton Description (extent, color, condition, etc.):

Sampling Location Information (fill out for the visible stream reach, check multiple boxes if applicable, DETERMINE LEFT OR RIGHT BANK BY LOOKING UPSTREAM)

Scum(s) yes no (include oil sheens, pollen/dust blankets and similar **floating** layers that reduce aesthetics)
Description of Scum(s)

Observed Use(s) (include indications of use even if use not observed) none swimming boating water intake fishing other
Description of Observed Use(s) (include numbers) **or Indicators of Use(s)**

Objectionable Deposits none floating sunken garbage/trash aquatic weeds flocculent mass (rust colored or other) other
Description of Objectionable Deposits (type, extent and area affected...)

Shoreline Erosion yes no (describe any shoreline erosion observed, note location: look for existing and potential slope failures, landslides.)
Description of Erosion

Wildlife Sightings none fish mammals birds reptiles (snakes, turtles) waterfowl amphibians (frogs, salamanders) other
Description of Wildlife Sightings (include numbers) **or Indicators of Use(s)**

Potential Pollution Sources none waste outfall pipes garbage/trash dumping land clearing green lawns shoreline residences
 other:
Description of Potential Pollution Sources:

SAMPLE DATA

Notes: _____

Bottle Sample(s) collected? yes no

Time (24 hr.) _____

Samples taken from (check all that apply)

from shore off bridge wade in boat

(look upstream to determine left or right)

left bank right bank center stream

Cooler ID: _____

SAMPLE ID #	Collection Method			Matrix			Analyte/Bottle Group										Sample Type					QA/QC			Total # of bottles			
	Wade in	Bridge drop	Other**	Effluent	Sediment (Z)	Water	Chemistry (C)	Nutrients* (N)	Solids (S)	Bacteria (B)	BOD/COD (D)	TOX ** (T)	Algae (I)	Metals (M)	Color (R)	Other**	Grab			Composite		Field Blank	Duplicate***	Other**				
																	Manual Grab	Basket	Vandorn/Kemmerer	Depth Integrated	Flow Composite					Time Composite		

* preservatives used (for water matrix nutrients) (check one) 1:1 H₂SO₄ 1:1 HCl

** describe in notes

*** for duplicate samples: use different ID#s for each sample, check 'Duplicate' column for each and leave blank lines before and after duplicate sets

INSTRUMENT DATA

Meter ID # _____

Notes: _____

Thermometer ID # _____

Surveyor # _____

Time	Temp. (°C)	DO (mg/l)	Depth (meters)	Secnd (mS/cm)	pH	% Sat	Turb (ntu)	TDS (mg/l)	Redox (mV)

Cooler Temperature (post sampling at Lab): _____