Rivers and Streams Field Sheet

Sheet ___ of ___.

Organization: _____
SARIS #: _____
River Name: _____
Town: _____
Site ID #: _____
Site Name: _____

General weather conditions last 3 days:

date:			**Temp:**	
		(cm)		

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:**	**Wind Conditions:**	**Odor:**	**Water Clarity:**	**Water Color:**
Clear		Calm (0-2 km/h)	None	**(check all that apply)**	Clear/Blue
Partly sunny	(^{o}C)	Slight breeze (2-8 km/h)	Sulfide (rotten egg)	Clear	Grayish
Partly cloudy	< 0	Moderate winds (8-25 km/h)	Chlorine	Suspended	Light yellow/tan
Overcast	0 - 5	Gusty (15-40 km/h)	Petroleum	solids/murky	Dark tan
Foggy	5 - 10	Storm winds (> 40 km/h)	Musty (basement)	Slightly turbid	Light green tint
Drizzly	10 -15	Strong gusts (25-40 km/h)	Rotting vegetables	Highly cloudy	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%)
D ense (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

Aquatic Plant Description (list plants in general vicinity of station; note genus and species if known and location [streambed or near bank])**:**

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

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 wast e 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
																Grab			Composite							
	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**	Manual Grab	Basket	Vandorn/Kemmerer	Depth Integrated	Flow Composite	Time Composite	Other**	Field Blank	Duplicate***	Other**	

*** preservatives used** (for water matrix nutrients) (check one) 1:1 H_2SO_4 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)	Scond (µ S/cm)	pH	% Sat	Turb (ntu)	TDS (mg/l)	Redox (mV)

Cooler Temperature (post sampling at Lab): _____