Chemical / Physical Assessment

*** Recommended frequency – monthly ***

Date: _____ **Time:** _____

UTM or GPS Location: _____

Other Volunteers Involved: _____

Was the stream dry when it was monitored? ☐ Yes ☐ No

Weather *(check all that apply)*

☐ Sunny ☐ Partly Sunny ☐ Cloudy ☐ Rain/Snow ☐ Windy ☐ Calm

Water Color *(check all that apply)*

☐ Clear ☐ Brown ☐ Green ☐ Oily ☐ Reddish ☐ Blackish ☐ Milky ☐ Gray

Water Odor *(check all that apply)*

☐ None ☐ Sewage/Manure ☐ Rotten Eggs ☐ Petroleum ☐ Musky

Air Temperature _____ °Fahrenheit

Precipitation _____ inches over the last 24 hours

Transparency *(record whole numbers only – no tenths)* _____ centimeters

pH

Expiration date on bottom of bottle _____

check one ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9

Dissolved Oxygen *(mg/l)*

Expiration date on color comparator _____

Expiration date on ampoules _____

check one ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 8 ☐ 10 ☐ 12

Phosphate *(mg/l)*

Expiration date on flat color comparator _____

Expiration date on round color comparator _____

Expiration date on activator solution _____

Expiration date on ampoules _____

check one ☐ 0 ☐ 0.1 ☐ 0.2 ☐ 0.3 ☐ 0.4 ☐ 0.6 ☐ 0.8
☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 10

Nitrite-N *(mg/l)*

Expiration date on bottom of bottle _____

check one ☐ 0 ☐ 0.15 ☐ 0.3 ☐ 1.0 ☐ 1.5 ☐ 3

Nitrate-N *(mg/l)*

Expiration date on bottom of bottle _____

check one ☐ 0 ☐ 1 ☐ 2 ☐ 5 ☐ 10 ☐ 20 ☐ 50

Chloride

Expiration date on bottom of bottle _____

_____ mg/l – Convert Quantab Units to mg/L using the chart provided on the bottle

Water Temperature _____ °Fahrenheit

Stream Width _____ . _____ meters

Maximum Stream Depth *(along your transect)* _____ . _____ meters

Stream Flow *(along your transect)*

☐ high ☐ normal ☐ low ☐ not sure

Estimated Stream Depth *(in meters)*

1st Meter	_____ . _____	11st Meter	_____ . _____	21st Meter	_____ . _____
2nd Meter	_____ . _____	12nd Meter	_____ . _____	22nd Meter	_____ . _____
3rd Meter	_____ . _____	13rd Meter	_____ . _____	23rd Meter	_____ . _____
4th Meter	_____ . _____	14th Meter	_____ . _____	24th Meter	_____ . _____
5th Meter	_____ . _____	15th Meter	_____ . _____	25th Meter	_____ . _____
6th Meter	_____ . _____	16th Meter	_____ . _____	26th Meter	_____ . _____
7th Meter	_____ . _____	17th Meter	_____ . _____	27th Meter	_____ . _____
8th Meter	_____ . _____	18th Meter	_____ . _____	28th Meter	_____ . _____
9th Meter	_____ . _____	19th Meter	_____ . _____	29th Meter	_____ . _____
10th Meter	_____ . _____	20th Meter	_____ . _____	30th Meter	_____ . _____

Stream Velocity *(in seconds)*

1st Meter	_____	11st Meter	_____	21st Meter	_____
2nd Meter	_____	12nd Meter	_____	22nd Meter	_____
3rd Meter	_____	13rd Meter	_____	23rd Meter	_____
4th Meter	_____	14th Meter	_____	24th Meter	_____
5th Meter	_____	15th Meter	_____	25th Meter	_____
6th Meter	_____	16th Meter	_____	26th Meter	_____
7th Meter	_____	17th Meter	_____	27th Meter	_____
8th Meter	_____	18th Meter	_____	28th Meter	_____
9th Meter	_____	19th Meter	_____	29th Meter	_____
10th Meter	_____	20th Meter	_____	30th Meter	_____

Other Stream Assessment Observations and Notes