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)

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Stream Velocity (in seconds)

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Other Stream Assessment Observations and Notes

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