



Streamwalk Program

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IMPAIRED SITE ASSESSMENT SHEET

Segment Code: _____ **Stream Name** _____

*****All observations are to be made while walking UPSTREAM.*****

Name: _____
Phone: _____ Time: _____
Date: _____ Weather: _____
Past 48 hour weather conditions: _____

GPS Location (using UTM NAD83 Datum): Waypoint # 18 T 5 _____
UTM 4 _____

Photographs # _____ through _____

1. Identify specific site's impairment(s): (can check more than one)

<input type="checkbox"/> Excessive Algae	<input type="checkbox"/> Impoundment/Fish Blockage
<input type="checkbox"/> Stream Bank Erosion	<input type="checkbox"/> Diminished Riparian Vegetation
<input type="checkbox"/> Sedimentation	<input type="checkbox"/> High Temperature (.21C, or 69.8F)
<input type="checkbox"/> Channel/Bank Manipulation	<input type="checkbox"/> Litter (describe quantity and type of litter)_
<input type="checkbox"/> Pipe Discharges	_____

PART A: Visual Assessment

2. Describe Location (Approximate distance and direction from nearest landmarks (i.e. roads, buildings): _____

Locate impaired site on provided map and diagram below:

Impaired Site Diagram



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6. Visually describe water conditions at impaired site:

<input type="checkbox"/> Clear	<input type="checkbox"/> Turbid	<input type="checkbox"/> Green	<input type="checkbox"/> Rusty	<input type="checkbox"/> Milky
<input type="checkbox"/> Brown	<input type="checkbox"/> Tea Color	<input type="checkbox"/> Foamy	<input type="checkbox"/> Oil Slick	

7. Is there an oily film or grease globules present on the water's surface at this location? ___

8. Describe the smell of water and sediments at the impaired site (check all that apply):

<input type="checkbox"/> Oil/Gas	<input type="checkbox"/> Sulfur (rotten eggs)	<input type="checkbox"/> Sewage
<input type="checkbox"/> Normal	<input type="checkbox"/> Decomposed Organic Matter (Musty)	
<input type="checkbox"/> Other (describe): _____		

9. Describe the streambank vegetation (check all that apply):

Type	Few	Common	Abundant
Conifers (pines)			
Deciduous (maples/oaks)			
Small trees and shrubs			
Grasses/Emergent (cattails)			
Grasses/Meadow			
Artificial (concrete/riprap)			

Vegetation appears Natural Cultivated (mowed)

10. Approximate the composition of substrate materials at impaired site (%): (Pick up a handful of stream bottom material and evaluate its texture)

_____ Silt (smooth) _____ Sand (gritty) _____ Gravel (0.1-2")
 _____ Cobbles (2-10") _____ Boulders (>10") _____ Bedrock
 _____ Organic (plant debris, muck, and shells) _____ Concrete or Riprap

Do you see excessive fine sediment deposits on the streambanks, or piles of sediment around storm pipe outlets or tributaries? _____

11. Estimate the cobble embeddedness:

Pick up several cobbles (if present) to estimate the average embeddedness of your site:

Average Embeddedness _____%



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12. Are there any discharge pipes located in this area? _____

If yes, how many? _____ Mark location on maps provided

Can you identify the source (i.e. stormdrain from parking lot) _____

Is there any algae, trash, oils or sediment near the pipe(s)? _____ If yes, describe:

13. Is there evidence of Canada Geese or ducks in the area? _____

14. If streambank erosion is observed, describe:

Height of exposed bank _____

Length of exposed bank _____

Slope of bank at eroded site: _____ Moderate _____ Steep

Are any roads, buildings, or land threatened by the erosion problem? (If yes, describe):

15. Signs of stream manipulation (check all that apply):

<input type="checkbox"/> Straightness/Channelization	<input type="checkbox"/> Pond(s)	<input type="checkbox"/> Fill
<input type="checkbox"/> Dam	*If dam, give height from <i>downstream</i> water level to top of dam. _____ft.	
*If dam, describe type:		
<input type="checkbox"/> beaver	<input type="checkbox"/> earth	<input type="checkbox"/> concrete
		<input type="checkbox"/> stone

16. Describe surrounding land uses from 1 - 10 (1=most occurring, 10=least occurring):

_____ High Density Residential (<50ft/du)	
_____ Medium Density Residential (50-200ft/du)	*du = dwelling unit
_____ Low Density Residential (>200ft/du)	
_____ Recreational	_____ Agriculture
_____ Forest	_____ Commercial
_____ Non-Residential Roads	_____ Industrial
	_____ School
If commercial or industrial, describe type: _____	



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17. Describe the human land uses that are present near the impaired site:

<input type="checkbox"/> Dams	<input type="checkbox"/> Roads	<input type="checkbox"/> Culverts	<input type="checkbox"/> Garbage
<input type="checkbox"/> Houses	<input type="checkbox"/> Septic systems	<input type="checkbox"/> Stores	<input type="checkbox"/> Factories/Industrial Use
<input type="checkbox"/> Logging	<input type="checkbox"/> Mining	<input type="checkbox"/> Recreation	<input type="checkbox"/> Stream channel altered
<input type="checkbox"/> Lawns/gardens	<input type="checkbox"/> Storm Drain Pipes	<input type="checkbox"/> Sewage plant pipes	<input type="checkbox"/> Farms/Nurseries
<input type="checkbox"/> Golf Courses	<input type="checkbox"/> Commercial Dumpsters	<input type="checkbox"/> Other(list)_____	

Describe how they may be impacting the stream _____

PART B: Hands-On Assessment

1. What is the pH of the stream at the impaired location? _____
2. What is the temperature of the air? _____
3. What is the temperature of the water on the right side of the bank? _____
On the Left side of the bank? _____
In the center of the stream? _____
4. What is the stream depth at the impaired location? _____
5. What is the stream width at the impaired location? _____