



Riparian Habitat Condition Assessment

Brookside

Report Date: 4/12/2007

Reach ID: rBK*265

Survey date: 8/22/06 Length: 597 feet along Johnson Creek

EPA Rapid Assessment Scores	
Epifaunal Substrate/ Available Cover:	7 /20
Pool Substrate Characterization: <i>(low gradient)</i>	8 /20
Pool Variability: <i>(low gradient)</i>	2 /20
Sediment Deposition:	3 /20
Channel Flow Status:	13 /20
Channel Alteration:	7 /20
Channel Sinuosity: <i>(low gradient)</i>	6 /20
Bank Stability Left Bank:	6 /10
Right Bank:	6 /10
Vegetative Protection Left Bank:	4 /10
Right Bank:	4 /10
Riparian Vegetation Zone Width Left Bank:	9 /10
Right Bank:	7 /10
Total Score:	82 /200
Overall Condition:	Fair

Supplemental Information	
Vegetative Stream Shading	
Left Bank:	35%
Right Bank:	45%
Riparian Vegetative Buffer Width	
Left Bank:	12 m.
Right Bank:	12 m.
Bank Slope	
Left Bank:	Steep
Right Bank:	Steep
Large Woody Debris count	
Small <i>(diameter 10 cm. to 30 cm.)</i>	30
Medium <i>(diameter 30 cm. to 60 cm.)</i>	19
Large <i>(diameter >60 cm.)</i>	6
Has LWD been placed?	no

Management Issues
Beaver
Culvert (input stream)
Hardscape

Field Notes
endpoint- broad valley, not very constrained- saw rabbits, ducks, geese, & beaver signs





Riparian Habitat Condition Assessment

Brookside

Report Date: 4/12/2007

Reach ID: rBK*266

Survey date: 8/22/06 Length: 348 feet along Johnson Creek

EPA Rapid Assessment Scores	Supplemental Information	Management Issues						
<table border="1"> <tr><td>Epifaunal Substrate/ Available Cover:</td><td>7 /20</td></tr> </table>	Epifaunal Substrate/ Available Cover:	7 /20	Vegetative Stream Shading Left Bank: 35% Right Bank: 45%					
Epifaunal Substrate/ Available Cover:	7 /20							
<table border="1"> <tr><td>Pool Substrate Characterization: (low gradient)</td><td>8 /20</td></tr> </table>	Pool Substrate Characterization: (low gradient)	8 /20	Riparian Vegetative Buffer Width Left Bank: 12 m. Right Bank: 12 m.					
Pool Substrate Characterization: (low gradient)	8 /20							
<table border="1"> <tr><td>Pool Variability: (low gradient)</td><td>2 /20</td></tr> </table>	Pool Variability: (low gradient)	2 /20	Bank Slope Left Bank: not recorded Right Bank: not recorded					
Pool Variability: (low gradient)	2 /20							
<table border="1"> <tr><td>Sediment Deposition:</td><td>3 /20</td></tr> </table>	Sediment Deposition:	3 /20	Large Woody Debris count					
Sediment Deposition:	3 /20							
<table border="1"> <tr><td>Channel Flow Status:</td><td>13 /20</td></tr> </table>	Channel Flow Status:	13 /20	Small (diameter 10 cm. to 30 cm.) 0					
Channel Flow Status:	13 /20							
<table border="1"> <tr><td>Channel Alteration:</td><td>7 /20</td></tr> </table>	Channel Alteration:	7 /20	Medium (diameter 30 cm. to 60 cm.) 0					
Channel Alteration:	7 /20							
<table border="1"> <tr><td>Channel Sinuosity: (low gradient)</td><td>6 /20</td></tr> </table>	Channel Sinuosity: (low gradient)	6 /20	Large (diameter >60 cm.) 0					
Channel Sinuosity: (low gradient)	6 /20							
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Bank Stability								
Left Bank:	6 /10							
Right Bank:	6 /10							
<table border="1"> <tr><td>Vegetative Protection</td><td></td></tr> <tr><td> Left Bank:</td><td>4 /10</td></tr> <tr><td> Right Bank:</td><td>4 /10</td></tr> </table>	Vegetative Protection		Left Bank:	4 /10	Right Bank:	4 /10		
Vegetative Protection								
Left Bank:	4 /10							
Right Bank:	4 /10							
<table border="1"> <tr><td>Riparian Vegetation Zone Width</td><td></td></tr> <tr><td> Left Bank:</td><td>9 /10</td></tr> <tr><td> Right Bank:</td><td>7 /10</td></tr> </table>	Riparian Vegetation Zone Width		Left Bank:	9 /10	Right Bank:	7 /10		
Riparian Vegetation Zone Width								
Left Bank:	9 /10							
Right Bank:	7 /10							
<table border="1"> <tr><td>Total Score:</td><td>82 /200</td></tr> <tr><td>Overall Condition:</td><td>Fair</td></tr> </table>	Total Score:	82 /200	Overall Condition:	Fair	<table border="1"> <tr><td>Field Notes</td></tr> <tr><td>endpoint- broad valley, not very constrained- saw rabbits, ducks, geese, & beaver signs</td></tr> </table>	Field Notes	endpoint- broad valley, not very constrained- saw rabbits, ducks, geese, & beaver signs	
Total Score:	82 /200							
Overall Condition:	Fair							
Field Notes								
endpoint- broad valley, not very constrained- saw rabbits, ducks, geese, & beaver signs								





Riparian Habitat Condition Assessment

Brookside

Report Date: 4/12/2007

Reach ID: **rBK*269**

Survey date: 8/22/06 Length: 833 feet along Johnson Creek

EPA Rapid Assessment Scores	Supplemental Information	Management Issues
Epifaunal Substrate/ Available Cover: 7 /20	Vegetative Stream Shading Left Bank: 35% Right Bank: 45%	Hardscape
Pool Substrate Characterization: 8 /20 <i>(low gradient)</i>	Riparian Vegetative Buffer Width Left Bank: 12 m. Right Bank: 12 m.	
Pool Variability: 2 /20 <i>(low gradient)</i>	Bank Slope Left Bank: not recorded Right Bank: not recorded	
Sediment Deposition: 3 /20	Large Woody Debris count Small <i>(diameter 10 cm. to 30 cm.)</i> 0	
Channel Flow Status: 13 /20	Medium <i>(diameter 30 cm. to 60 cm.)</i> 0	
Channel Alteration: 2 /20	Large <i>(diameter >60 cm.)</i> 0	
Channel Sinuosity: 6 /20 <i>(low gradient)</i>	Has LWD been placed? not recorded	
Bank Stability Left Bank: 4 /10 Right Bank: 2 /10	Field Notes endpoint- broad valley, not very constrained- saw rabbits, ducks, geese, & beaver signs	
Vegetative Protection Left Bank: 4 /10 Right Bank: 2 /10		
Riparian Vegetation Zone Width Left Bank: 9 /10 Right Bank: 7 /10		
Total Score: 69 /200 Overall Condition: Poor		





Riparian Habitat Condition Assessment

Brookside

Report Date: 4/12/2007

Reach ID: rBK*270

Survey date: 8/22/06 Length: 174 feet along Johnson Creek

EPA Rapid Assessment Scores	Supplemental Information	Management Issues
Epifaunal Substrate/ Available Cover: 6 /20	Vegetative Stream Shading Left Bank: 30% Right Bank: 35%	
Pool Substrate Characterization: 6 /20 <i>(low gradient)</i>	Riparian Vegetative Buffer Width Left Bank: 14 m. Right Bank: 14 m.	
Pool Variability: 2 /20 <i>(low gradient)</i>	Bank Slope Left Bank: Moderate Right Bank: Moderate	
Sediment Deposition: 2 /20	Large Woody Debris count	
Channel Flow Status: 8 /20	Small <i>(diameter 10 cm. to 30 cm.)</i> 0	
Channel Alteration: 6 /20	Medium <i>(diameter 30 cm. to 60 cm.)</i> 0	
Channel Sinuosity: 7 /20 <i>(low gradient)</i>	Large <i>(diameter >60 cm.)</i> 0	
Bank Stability Left Bank: 8 /10 Right Bank: 8 /10	Has LWD been placed? no	
Vegetative Protection Left Bank: 5 /10 Right Bank: 5 /10	Field Notes endpoint- this unit was a pond- broad valley, little constraint- birds- muskrats, snakes, frogs, tadpoles,	
Riparian Vegetation Zone Width Left Bank: 10 /10 Right Bank: 10 /10		
Total Score: 83 /200 Overall Condition: Fair		





Riparian Habitat Condition Assessment

Brookside

Report Date: 4/12/2007

Reach ID: rBK*272

Survey date: 8/22/06 Length: 462 feet along Johnson Creek

EPA Rapid Assessment Scores	Supplemental Information	Management Issues						
<table border="1"> <tr><td>Epifaunal Substrate/ Available Cover:</td><td>5 /20</td></tr> </table>	Epifaunal Substrate/ Available Cover:	5 /20	Vegetative Stream Shading Left Bank: 75% Right Bank: 65%					
Epifaunal Substrate/ Available Cover:	5 /20							
<table border="1"> <tr><td>Pool Substrate Characterization: (low gradient)</td><td>6 /20</td></tr> </table>	Pool Substrate Characterization: (low gradient)	6 /20	Riparian Vegetative Buffer Width Left Bank: 15 m. Right Bank: 10 m.					
Pool Substrate Characterization: (low gradient)	6 /20							
<table border="1"> <tr><td>Pool Variability: (low gradient)</td><td>2 /20</td></tr> </table>	Pool Variability: (low gradient)	2 /20	Bank Slope Left Bank: Steep Right Bank: Steep					
Pool Variability: (low gradient)	2 /20							
<table border="1"> <tr><td>Sediment Deposition:</td><td>2 /20</td></tr> </table>	Sediment Deposition:	2 /20	Large Woody Debris count					
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<table border="1"> <tr><td>Channel Alteration:</td><td>6 /20</td></tr> </table>	Channel Alteration:	6 /20	Medium (diameter 30 cm. to 60 cm.) 15					
Channel Alteration:	6 /20							
<table border="1"> <tr><td>Channel Sinuosity: (low gradient)</td><td>5 /20</td></tr> </table>	Channel Sinuosity: (low gradient)	5 /20	Large (diameter >60 cm.) 22					
Channel Sinuosity: (low gradient)	5 /20							
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Bank Stability								
Left Bank:	4 /10							
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Vegetative Protection								
Left Bank:	6 /10							
Right Bank:	5 /10							
<table border="1"> <tr><td>Riparian Vegetation Zone Width</td><td></td></tr> <tr><td> Left Bank:</td><td>10 /10</td></tr> <tr><td> Right Bank:</td><td>6 /10</td></tr> </table>	Riparian Vegetation Zone Width		Left Bank:	10 /10	Right Bank:	6 /10		
Riparian Vegetation Zone Width								
Left Bank:	10 /10							
Right Bank:	6 /10							
<table border="1"> <tr><td>Total Score:</td><td>67 /200</td></tr> <tr><td>Overall Condition:</td><td>Poor</td></tr> </table>	Total Score:	67 /200	Overall Condition:	Poor	Field Notes endpoint- broad valley little constraint- beaver, snakes,birds, and crawfish--very silty substrate			
Total Score:	67 /200							
Overall Condition:	Poor							

