



Riparian Habitat Condition Assessment

Marshall Park

Report Date: 4/12/2007

Reach ID: rMALL*199 Survey date: 8/14/06 Length: 9 feet along Tryon Creek

EPA Rapid Assessment Scores	Supplemental Information	Management Issues
Epifaunal Substrate/ Available Cover: 12 /20	Vegetative Stream Shading Left Bank: 80% Right Bank: 80%	
Pool Substrate Characterization: 8 /20 <i>(low gradient)</i>	Riparian Vegetative Buffer Width Left Bank: 10 m. Right Bank: 10 m.	
Pool Variability: 3 /20 <i>(low gradient)</i>	Bank Slope Left Bank: Moderate Right Bank: Steep	
Sediment Deposition: 12 /20	Large Woody Debris count Small <i>(diameter 10 cm. to 30 cm.)</i> 2	
Channel Flow Status: 7 /20	Medium <i>(diameter 30 cm. to 60 cm.)</i> 2	
Channel Alteration: 18 /20	Large <i>(diameter >60 cm.)</i> 0	
Channel Sinuosity: 10 /20 <i>(low gradient)</i>	Has LWD been placed? no	
Bank Stability Left Bank: 2 /10 Right Bank: 2 /10		
Vegetative Protection Left Bank: 4 /10 Right Bank: 4 /10		
Riparian Vegetation Zone Width Left Bank: 10 /10 Right Bank: 10 /10		
Total Score: 102 /200 Overall Condition: Fair	Field Notes endpoint-- narrow constrained valley- heavily undercut banks - heavily incised banks -poor access -	





Riparian Habitat Condition Assessment

Marshall Park

Report Date: 4/12/2007

Reach ID: rMALL*205 Survey date: 8/14/06 Length: 369 feet along Tryon Creek

EPA Rapid Assessment Scores

Epifaunal Substrate/ Available Cover:	11 /20
Embeddedness: <i>(high gradient)</i>	12 /20
Velocity/Depth Regimes: <i>(high gradient)</i>	13 /20
Sediment Deposition:	11 /20
Channel Flow Status:	6 /20
Channel Alteration:	6 /20
Frequency of Riffles or Bends: <i>(high gradient)</i>	13 /20
Bank Stability Left Bank:	5 /10
Right Bank:	4 /10
Vegetative Protection Left Bank:	4 /10
Right Bank:	6 /10
Riparian Vegetation Zone Width Left Bank:	6 /10
Right Bank:	10 /10

Total Score:	107 /200
Overall Condition:	Fair

Supplemental Information

Vegetative Stream Shading	
Left Bank:	50%
Right Bank:	70%
Riparian Vegetative Buffer Width	
Left Bank:	10 m.
Right Bank:	12 m.
Bank Slope	
Left Bank:	Moderate
Right Bank:	Steep
Large Woody Debris count	
Small (<i>diameter 10 cm. to 30 cm.</i>)	42
Medium (<i>diameter 30 cm. to 60 cm.</i>)	17
Large (<i>diameter >60 cm.</i>)	2
Has LWD been placed?	no

Management Issues

Erosion

Field Notes

endpoint- narrow valley constraint - erosion under bridge --deep incision





Riparian Habitat Condition Assessment

Marshall Park

Report Date: 4/12/2007

Reach ID: rMALL*209 Survey date: 8/14/06 Length: 514 feet along Tryon Creek

EPA Rapid Assessment Scores	Supplemental Information	Management Issues
Epifaunal Substrate/ Available Cover: 11 /20	Vegetative Stream Shading Left Bank: 80% Right Bank: 90%	Erosion
Embeddedness: 15 /20 <i>(high gradient)</i>	Riparian Vegetative Buffer Width Left Bank: 12 m. Right Bank: 4 m.	
Velocity/Depth Regimes: 14 /20 <i>(high gradient)</i>	Bank Slope Left Bank: Steep Right Bank: Steep	
Sediment Deposition: 10 /20	Large Woody Debris count Small (<i>diameter 10 cm. to 30 cm.</i>) 26	
Channel Flow Status: 7 /20	Medium (<i>diameter 30 cm. to 60 cm.</i>) 9	
Channel Alteration: 12 /20	Large (<i>diameter >60 cm.</i>) 4	
Frequency of Riffles or Bends: 15 /20 <i>(high gradient)</i>	Has LWD been placed? no	
Bank Stability Left Bank: 3 /10 Right Bank: 2 /10	Field Notes endpoint- narrow valley constraint - lwd- high gradient area- plunge pools - potentially a significant fish habitat	
Vegetative Protection Left Bank: 5 /10 Right Bank: 3 /10		
Riparian Vegetation Zone Width Left Bank: 10 /10 Right Bank: 2 /10		
Total Score: 109 /200 Overall Condition: Fair		





Riparian Habitat Condition Assessment

Marshall Park

Report Date: 4/12/2007

Reach ID: rMALL*234 Survey date: 8/16/06 Length: 824 feet along Tryon Creek tributary

EPA Rapid Assessment Scores	
Epifaunal Substrate/ Available Cover:	9 /20
Embeddedness: <i>(high gradient)</i>	8 /20
Velocity/Depth Regimes: <i>(high gradient)</i>	9 /20
Sediment Deposition:	7 /20
Channel Flow Status:	6 /20
Channel Alteration:	6 /20
Frequency of Riffles or Bends: <i>(high gradient)</i>	10 /20
Bank Stability	
Left Bank:	3 /10
Right Bank:	2 /10
Vegetative Protection	
Left Bank:	4 /10
Right Bank:	4 /10
Riparian Vegetation Zone Width	
Left Bank:	2 /10
Right Bank:	9 /10
Total Score:	79 /200
Overall Condition:	Poor

Supplemental Information	
Vegetative Stream Shading	
Left Bank:	80%
Right Bank:	80%
Riparian Vegetative Buffer Width	
Left Bank:	3 m.
Right Bank:	10 m.
Bank Slope	
Left Bank:	Steep
Right Bank:	Steep
Large Woody Debris count	
Small (<i>diameter 10 cm. to 30 cm.</i>)	11
Medium (<i>diameter 30 cm. to 60 cm.</i>)	5
Large (<i>diameter >60 cm.</i>)	0
Has LWD been placed?	no

Management Issues
Erosion
Stream Bank Erosion

Field Notes
 endpoint- narrow v-shaped valley - no fish present - banks heavily eroded- ivy eradication efforts here-

