



Riparian Habitat Condition Assessment

Forest Park

Report Date: 4/12/2007

Reach ID: rFP*245

Survey date: 8/17/06 Length: 83 feet along Miller Creek

EPA Rapid Assessment Scores	Supplemental Information	Management Issues						
<table border="1"> <tr><td>Epifaunal Substrate/ Available Cover:</td><td>15 /20</td></tr> </table>	Epifaunal Substrate/ Available Cover:	15 /20	Vegetative Stream Shading Left Bank: 45% Right Bank: 60%					
Epifaunal Substrate/ Available Cover:	15 /20							
<table border="1"> <tr><td>Embeddedness:</td><td>16 /20</td></tr> <tr><td><i>(high gradient)</i></td><td></td></tr> </table>	Embeddedness:	16 /20	<i>(high gradient)</i>		Riparian Vegetative Buffer Width Left Bank: 14 m. Right Bank: 14 m.			
Embeddedness:	16 /20							
<i>(high gradient)</i>								
<table border="1"> <tr><td>Velocity/Depth Regimes:</td><td>5 /20</td></tr> <tr><td><i>(high gradient)</i></td><td></td></tr> </table>	Velocity/Depth Regimes:	5 /20	<i>(high gradient)</i>		Bank Slope Left Bank: Steep Right Bank: Steep			
Velocity/Depth Regimes:	5 /20							
<i>(high gradient)</i>								
<table border="1"> <tr><td>Sediment Deposition:</td><td>17 /20</td></tr> </table>	Sediment Deposition:	17 /20	Large Woody Debris count					
Sediment Deposition:	17 /20							
<table border="1"> <tr><td>Channel Flow Status:</td><td>1 /20</td></tr> </table>	Channel Flow Status:	1 /20	Small <i>(diameter 10 cm. to 30 cm.)</i> 38					
Channel Flow Status:	1 /20							
<table border="1"> <tr><td>Channel Alteration:</td><td>18 /20</td></tr> </table>	Channel Alteration:	18 /20	Medium <i>(diameter 30 cm. to 60 cm.)</i> 19					
Channel Alteration:	18 /20							
<table border="1"> <tr><td>Frequency of Riffles or Bends:</td><td>5 /20</td></tr> <tr><td><i>(high gradient)</i></td><td></td></tr> </table>	Frequency of Riffles or Bends:	5 /20	<i>(high gradient)</i>		Large <i>(diameter >60 cm.)</i> 15			
Frequency of Riffles or Bends:	5 /20							
<i>(high gradient)</i>								
<table border="1"> <tr><td>Bank Stability</td><td></td></tr> <tr><td> Left Bank:</td><td>7 /10</td></tr> <tr><td> Right Bank:</td><td>5 /10</td></tr> </table>	Bank Stability		Left Bank:	7 /10	Right Bank:	5 /10	Has LWD been placed? no	
Bank Stability								
Left Bank:	7 /10							
Right Bank:	5 /10							
<table border="1"> <tr><td>Vegetative Protection</td><td></td></tr> <tr><td> Left Bank:</td><td>8 /10</td></tr> <tr><td> Right Bank:</td><td>7 /10</td></tr> </table>	Vegetative Protection		Left Bank:	8 /10	Right Bank:	7 /10	Field Notes endpoint- narrow v-shaped valley -heard osprey- very little water in channel-side channel is just upstream of endpoint	
Vegetative Protection								
Left Bank:	8 /10							
Right Bank:	7 /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>10 /10</td></tr> </table>	Riparian Vegetation Zone Width		Left Bank:	10 /10	Right Bank:	10 /10		
Riparian Vegetation Zone Width								
Left Bank:	10 /10							
Right Bank:	10 /10							
<table border="1"> <tr><td>Total Score:</td><td>124 /200</td></tr> <tr><td>Overall Condition:</td><td>Good</td></tr> </table>	Total Score:	124 /200	Overall Condition:	Good				
Total Score:	124 /200							
Overall Condition:	Good							





Riparian Habitat Condition Assessment

Forest Park

Report Date: 4/12/2007

Reach ID: rFP*247

Survey date: 8/17/06 Length: 203 feet along Miller Creek

EPA Rapid Assessment Scores	Supplemental Information	Management Issues						
<table border="1"> <tr><td>Epifaunal Substrate/ Available Cover:</td><td>18 /20</td></tr> </table>	Epifaunal Substrate/ Available Cover:	18 /20	Vegetative Stream Shading Left Bank: 65% Right Bank: 55%					
Epifaunal Substrate/ Available Cover:	18 /20							
<table border="1"> <tr><td>Embeddedness:</td><td>17 /20</td></tr> <tr><td><i>(high gradient)</i></td><td></td></tr> </table>	Embeddedness:	17 /20	<i>(high gradient)</i>		Riparian Vegetative Buffer Width Left Bank: 10 m. Right Bank: 14 m.			
Embeddedness:	17 /20							
<i>(high gradient)</i>								
<table border="1"> <tr><td>Velocity/Depth Regimes:</td><td>1 /20</td></tr> <tr><td><i>(high gradient)</i></td><td></td></tr> </table>	Velocity/Depth Regimes:	1 /20	<i>(high gradient)</i>		Bank Slope Left Bank: Steep Right Bank: Steep			
Velocity/Depth Regimes:	1 /20							
<i>(high gradient)</i>								
<table border="1"> <tr><td>Sediment Deposition:</td><td>17 /20</td></tr> </table>	Sediment Deposition:	17 /20	Large Woody Debris count					
Sediment Deposition:	17 /20							
<table border="1"> <tr><td>Channel Flow Status:</td><td>2 /20</td></tr> </table>	Channel Flow Status:	2 /20	Small <i>(diameter 10 cm. to 30 cm.)</i> 13					
Channel Flow Status:	2 /20							
<table border="1"> <tr><td>Channel Alteration:</td><td>19 /20</td></tr> </table>	Channel Alteration:	19 /20	Medium <i>(diameter 30 cm. to 60 cm.)</i> 9					
Channel Alteration:	19 /20							
<table border="1"> <tr><td>Frequency of Riffles or Bends:</td><td>6 /20</td></tr> <tr><td><i>(high gradient)</i></td><td></td></tr> </table>	Frequency of Riffles or Bends:	6 /20	<i>(high gradient)</i>		Large <i>(diameter >60 cm.)</i> 7			
Frequency of Riffles or Bends:	6 /20							
<i>(high gradient)</i>								
<table border="1"> <tr><td>Bank Stability</td><td></td></tr> <tr><td>Left Bank:</td><td>9 /10</td></tr> <tr><td>Right Bank:</td><td>8 /10</td></tr> </table>	Bank Stability		Left Bank:	9 /10	Right Bank:	8 /10	Has LWD been placed? no	
Bank Stability								
Left Bank:	9 /10							
Right Bank:	8 /10							
<table border="1"> <tr><td>Vegetative Protection</td><td></td></tr> <tr><td>Left Bank:</td><td>9 /10</td></tr> <tr><td>Right Bank:</td><td>9 /10</td></tr> </table>	Vegetative Protection		Left Bank:	9 /10	Right Bank:	9 /10	Field Notes endpoint- narrow v-shaped valley - frogs present - very little water in channel	
Vegetative Protection								
Left Bank:	9 /10							
Right Bank:	9 /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>10 /10</td></tr> </table>	Riparian Vegetation Zone Width		Left Bank:	10 /10	Right Bank:	10 /10		
Riparian Vegetation Zone Width								
Left Bank:	10 /10							
Right Bank:	10 /10							
<table border="1"> <tr><td>Total Score:</td><td>135 /200</td></tr> <tr><td>Overall Condition:</td><td>Good</td></tr> </table>	Total Score:	135 /200	Overall Condition:	Good				
Total Score:	135 /200							
Overall Condition:	Good							





Riparian Habitat Condition Assessment

Forest Park

Report Date: 4/12/2007

Reach ID: rFP*249

Survey date: 8/17/06 Length: 1,393 feet along Miller Creek

EPA Rapid Assessment Scores	Supplemental Information	Management Issues						
<table border="1"> <tr> <td>Epifaunal Substrate/ Available Cover:</td> <td>18 /20</td> </tr> </table>	Epifaunal Substrate/ Available Cover:	18 /20	Vegetative Stream Shading Left Bank: 60% Right Bank: 50%					
Epifaunal Substrate/ Available Cover:	18 /20							
<table border="1"> <tr> <td>Embeddedness:</td> <td>17 /20</td> </tr> <tr> <td colspan="2"><i>(high gradient)</i></td> </tr> </table>	Embeddedness:	17 /20	<i>(high gradient)</i>		Riparian Vegetative Buffer Width Left Bank: 14 m. Right Bank: 14 m.			
Embeddedness:	17 /20							
<i>(high gradient)</i>								
<table border="1"> <tr> <td>Velocity/Depth Regimes:</td> <td>2 /20</td> </tr> <tr> <td colspan="2"><i>(high gradient)</i></td> </tr> </table>	Velocity/Depth Regimes:	2 /20	<i>(high gradient)</i>		Bank Slope Left Bank: Steep Right Bank: Steep			
Velocity/Depth Regimes:	2 /20							
<i>(high gradient)</i>								
<table border="1"> <tr> <td>Sediment Deposition:</td> <td>18 /20</td> </tr> </table>	Sediment Deposition:	18 /20	Large Woody Debris count					
Sediment Deposition:	18 /20							
<table border="1"> <tr> <td>Channel Flow Status:</td> <td>2 /20</td> </tr> </table>	Channel Flow Status:	2 /20	Small <i>(diameter 10 cm. to 30 cm.)</i> 27					
Channel Flow Status:	2 /20							
<table border="1"> <tr> <td>Channel Alteration:</td> <td>19 /20</td> </tr> </table>	Channel Alteration:	19 /20	Medium <i>(diameter 30 cm. to 60 cm.)</i> 26					
Channel Alteration:	19 /20							
<table border="1"> <tr> <td>Frequency of Riffles or Bends:</td> <td>4 /20</td> </tr> <tr> <td colspan="2"><i>(high gradient)</i></td> </tr> </table>	Frequency of Riffles or Bends:	4 /20	<i>(high gradient)</i>		Large <i>(diameter >60 cm.)</i> 19			
Frequency of Riffles or Bends:	4 /20							
<i>(high gradient)</i>								
<table border="1"> <tr> <td>Bank Stability</td> <td></td> </tr> <tr> <td>Left Bank:</td> <td>8 /10</td> </tr> <tr> <td>Right Bank:</td> <td>8 /10</td> </tr> </table>	Bank Stability		Left Bank:	8 /10	Right Bank:	8 /10	Has LWD been placed? no	
Bank Stability								
Left Bank:	8 /10							
Right Bank:	8 /10							
<table border="1"> <tr> <td>Vegetative Protection</td> <td></td> </tr> <tr> <td>Left Bank:</td> <td>9 /10</td> </tr> <tr> <td>Right Bank:</td> <td>9 /10</td> </tr> </table>	Vegetative Protection		Left Bank:	9 /10	Right Bank:	9 /10	Field Notes endpoint- narrow v-shaped valley - frogs, osprey- lots of lwd , good habitat	
Vegetative Protection								
Left Bank:	9 /10							
Right Bank:	9 /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>10 /10</td> </tr> </table>	Riparian Vegetation Zone Width		Left Bank:	10 /10	Right Bank:	10 /10		
Riparian Vegetation Zone Width								
Left Bank:	10 /10							
Right Bank:	10 /10							
<table border="1"> <tr> <td>Total Score:</td> <td>134 /200</td> </tr> <tr> <td>Overall Condition:</td> <td>Good</td> </tr> </table>	Total Score:	134 /200	Overall Condition:	Good				
Total Score:	134 /200							
Overall Condition:	Good							





Riparian Habitat Condition Assessment

Forest Park

Report Date: 4/12/2007

Reach ID: **rFP*252**

Survey date: 8/21/06 Length: 856 feet along Miller Creek

EPA Rapid Assessment Scores	Supplemental Information	Management Issues																																																																																																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Epifaunal Substrate/ Available Cover:</td> <td style="text-align: right;">16 /20</td> </tr> <tr> <td colspan="2">Embeddedness: <i>(high gradient)</i></td> <td style="text-align: right;">16 /20</td> </tr> <tr> <td colspan="2">Velocity/Depth Regimes: <i>(high gradient)</i></td> <td style="text-align: right;">5 /20</td> </tr> <tr> <td colspan="2">Sediment Deposition:</td> <td style="text-align: right;">15 /20</td> </tr> <tr> <td colspan="2">Channel Flow Status:</td> <td style="text-align: right;">2 /20</td> </tr> <tr> <td colspan="2">Channel Alteration:</td> <td style="text-align: right;">20 /20</td> </tr> <tr> <td colspan="2">Frequency of Riffles or Bends: <i>(high gradient)</i></td> <td style="text-align: right;">16 /20</td> </tr> <tr> <td colspan="2">Bank Stability</td> <td></td> </tr> <tr> <td colspan="2"> Left Bank:</td> <td style="text-align: right;">7 /10</td> </tr> <tr> <td colspan="2"> Right Bank:</td> <td style="text-align: right;">7 /10</td> </tr> <tr> <td colspan="2">Vegetative Protection</td> <td></td> </tr> <tr> <td colspan="2"> Left Bank:</td> <td style="text-align: right;">10 /10</td> </tr> <tr> <td colspan="2"> Right Bank:</td> <td style="text-align: right;">10 /10</td> </tr> <tr> <td colspan="2">Riparian Vegetation Zone Width</td> <td></td> </tr> <tr> <td colspan="2"> Left Bank:</td> <td style="text-align: right;">10 /10</td> </tr> <tr> <td colspan="2"> Right Bank:</td> <td style="text-align: right;">10 /10</td> </tr> <tr> <td colspan="2">Total Score:</td> <td style="text-align: right;">144 /200</td> </tr> <tr> <td colspan="2">Overall Condition:</td> <td style="text-align: right;">Good</td> </tr> </table>	Epifaunal Substrate/ Available Cover:		16 /20	Embeddedness: <i>(high gradient)</i>		16 /20	Velocity/Depth Regimes: <i>(high gradient)</i>		5 /20	Sediment Deposition:		15 /20	Channel Flow Status:		2 /20	Channel Alteration:		20 /20	Frequency of Riffles or Bends: <i>(high gradient)</i>		16 /20	Bank Stability			Left Bank:		7 /10	Right Bank:		7 /10	Vegetative Protection			Left Bank:		10 /10	Right Bank:		10 /10	Riparian Vegetation Zone Width			Left Bank:		10 /10	Right Bank:		10 /10	Total Score:		144 /200	Overall Condition:		Good	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Vegetative Stream Shading</td> <td></td> </tr> <tr> <td colspan="2"> Left Bank:</td> <td style="text-align: right;">80%</td> </tr> <tr> <td colspan="2"> Right Bank:</td> <td style="text-align: right;">70%</td> </tr> <tr> <td colspan="2">Riparian Vegetative Buffer Width</td> <td></td> </tr> <tr> <td colspan="2"> Left Bank:</td> <td style="text-align: right;">15 m.</td> </tr> <tr> <td colspan="2"> Right Bank:</td> <td style="text-align: right;">15 m.</td> </tr> <tr> <td colspan="2">Bank Slope</td> <td></td> </tr> <tr> <td colspan="2"> Left Bank:</td> <td style="text-align: right;">Moderate</td> </tr> <tr> <td colspan="2"> Right Bank:</td> <td style="text-align: right;">Steep</td> </tr> <tr> <td colspan="2">Large Woody Debris count</td> <td></td> </tr> <tr> <td colspan="2"> Small <i>(diameter 10 cm. to 30 cm.)</i></td> <td style="text-align: right;">39</td> </tr> <tr> <td colspan="2"> Medium <i>(diameter 30 cm. to 60 cm.)</i></td> <td style="text-align: right;">35</td> </tr> <tr> <td colspan="2"> Large <i>(diameter >60 cm.)</i></td> <td style="text-align: right;">26</td> </tr> <tr> <td colspan="2">Has LWD been placed?</td> <td style="text-align: right;">no</td> </tr> </table>	Vegetative Stream Shading			Left Bank:		80%	Right Bank:		70%	Riparian Vegetative Buffer Width			Left Bank:		15 m.	Right Bank:		15 m.	Bank Slope			Left Bank:		Moderate	Right Bank:		Steep	Large Woody Debris count			Small <i>(diameter 10 cm. to 30 cm.)</i>		39	Medium <i>(diameter 30 cm. to 60 cm.)</i>		35	Large <i>(diameter >60 cm.)</i>		26	Has LWD been placed?		no	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Management Issues</td> </tr> <tr> <td style="padding: 5px;">Stream Bank Erosion</td> </tr> </table>	Management Issues	Stream Bank Erosion
Epifaunal Substrate/ Available Cover:		16 /20																																																																																																		
Embeddedness: <i>(high gradient)</i>		16 /20																																																																																																		
Velocity/Depth Regimes: <i>(high gradient)</i>		5 /20																																																																																																		
Sediment Deposition:		15 /20																																																																																																		
Channel Flow Status:		2 /20																																																																																																		
Channel Alteration:		20 /20																																																																																																		
Frequency of Riffles or Bends: <i>(high gradient)</i>		16 /20																																																																																																		
Bank Stability																																																																																																				
Left Bank:		7 /10																																																																																																		
Right Bank:		7 /10																																																																																																		
Vegetative Protection																																																																																																				
Left Bank:		10 /10																																																																																																		
Right Bank:		10 /10																																																																																																		
Riparian Vegetation Zone Width																																																																																																				
Left Bank:		10 /10																																																																																																		
Right Bank:		10 /10																																																																																																		
Total Score:		144 /200																																																																																																		
Overall Condition:		Good																																																																																																		
Vegetative Stream Shading																																																																																																				
Left Bank:		80%																																																																																																		
Right Bank:		70%																																																																																																		
Riparian Vegetative Buffer Width																																																																																																				
Left Bank:		15 m.																																																																																																		
Right Bank:		15 m.																																																																																																		
Bank Slope																																																																																																				
Left Bank:		Moderate																																																																																																		
Right Bank:		Steep																																																																																																		
Large Woody Debris count																																																																																																				
Small <i>(diameter 10 cm. to 30 cm.)</i>		39																																																																																																		
Medium <i>(diameter 30 cm. to 60 cm.)</i>		35																																																																																																		
Large <i>(diameter >60 cm.)</i>		26																																																																																																		
Has LWD been placed?		no																																																																																																		
Management Issues																																																																																																				
Stream Bank Erosion																																																																																																				
<p>Field Notes endpoint- narrow v-shaped valley -not enough water for fish- difficult to access-lots of wood- good potential for habitat</p>																																																																																																				





Riparian Habitat Condition Assessment

Forest Park

Report Date: 4/12/2007

Reach ID: rFP*256

Survey date: 8/21/06 Length: 957 feet along Miller Creek

EPA Rapid Assessment Scores	Supplemental Information	Management Issues						
<table border="1"> <tr> <td>Epifaunal Substrate/ Available Cover:</td> <td>16 /20</td> </tr> </table>	Epifaunal Substrate/ Available Cover:	16 /20	Vegetative Stream Shading Left Bank: 70% Right Bank: 85%					
Epifaunal Substrate/ Available Cover:	16 /20							
<table border="1"> <tr> <td>Embeddedness:</td> <td>15 /20</td> </tr> <tr> <td colspan="2"><i>(high gradient)</i></td> </tr> </table>	Embeddedness:	15 /20	<i>(high gradient)</i>		Riparian Vegetative Buffer Width Left Bank: 12 m. Right Bank: 12 m.			
Embeddedness:	15 /20							
<i>(high gradient)</i>								
<table border="1"> <tr> <td>Velocity/Depth Regimes:</td> <td>5 /20</td> </tr> <tr> <td colspan="2"><i>(high gradient)</i></td> </tr> </table>	Velocity/Depth Regimes:	5 /20	<i>(high gradient)</i>		Bank Slope Left Bank: Moderate Right Bank: Moderate			
Velocity/Depth Regimes:	5 /20							
<i>(high gradient)</i>								
<table border="1"> <tr> <td>Sediment Deposition:</td> <td>15 /20</td> </tr> </table>	Sediment Deposition:	15 /20	Large Woody Debris count Small (<i>diameter 10 cm. to 30 cm.</i>) 47 Medium (<i>diameter 30 cm. to 60 cm.</i>) 43 Large (<i>diameter >60 cm.</i>) 25 Has LWD been placed? no					
Sediment Deposition:	15 /20							
<table border="1"> <tr> <td>Channel Flow Status:</td> <td>3 /20</td> </tr> </table>	Channel Flow Status:	3 /20						
Channel Flow Status:	3 /20							
<table border="1"> <tr> <td>Channel Alteration:</td> <td>16 /20</td> </tr> </table>	Channel Alteration:	16 /20						
Channel Alteration:	16 /20							
<table border="1"> <tr> <td>Frequency of Riffles or Bends:</td> <td>15 /20</td> </tr> <tr> <td colspan="2"><i>(high gradient)</i></td> </tr> </table>	Frequency of Riffles or Bends:	15 /20	<i>(high gradient)</i>					
Frequency of Riffles or Bends:	15 /20							
<i>(high gradient)</i>								
<table border="1"> <tr> <td>Bank Stability</td> <td></td> </tr> <tr> <td>Left Bank:</td> <td>7 /10</td> </tr> <tr> <td>Right Bank:</td> <td>7 /10</td> </tr> </table>	Bank Stability		Left Bank:	7 /10	Right Bank:	7 /10		
Bank Stability								
Left Bank:	7 /10							
Right Bank:	7 /10							
<table border="1"> <tr> <td>Vegetative Protection</td> <td></td> </tr> <tr> <td>Left Bank:</td> <td>7 /10</td> </tr> <tr> <td>Right Bank:</td> <td>6 /10</td> </tr> </table>	Vegetative Protection		Left Bank:	7 /10	Right Bank:	6 /10	Field Notes endpoint- narrow v-shaped valley- frogs,deer, osprey- lots of wood-possible side channels, but too thick to see	
Vegetative Protection								
Left Bank:	7 /10							
Right Bank:	6 /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>10 /10</td> </tr> </table>	Riparian Vegetation Zone Width		Left Bank:	10 /10	Right Bank:	10 /10		
Riparian Vegetation Zone Width								
Left Bank:	10 /10							
Right Bank:	10 /10							
<table border="1"> <tr> <td>Total Score:</td> <td>132 /200</td> </tr> <tr> <td>Overall Condition:</td> <td>Good</td> </tr> </table>	Total Score:	132 /200	Overall Condition:	Good				
Total Score:	132 /200							
Overall Condition:	Good							





Riparian Habitat Condition Assessment

Forest Park

Report Date: 4/12/2007

Reach ID: rFP*351

Survey date: 9/11/06 Length: 928 feet along Miller Creek tributary

EPA Rapid Assessment Scores	Supplemental Information	Management Issues						
<table border="1"> <tr><td>Epifaunal Substrate/ Available Cover:</td><td>12 /20</td></tr> </table>	Epifaunal Substrate/ Available Cover:	12 /20	Vegetative Stream Shading Left Bank: 90% Right Bank: 85%					
Epifaunal Substrate/ Available Cover:	12 /20							
<table border="1"> <tr><td>Embeddedness:</td><td>11 /20</td></tr> <tr><td><i>(high gradient)</i></td><td></td></tr> </table>	Embeddedness:	11 /20	<i>(high gradient)</i>		Riparian Vegetative Buffer Width Left Bank: 12 m. Right Bank: 12 m.			
Embeddedness:	11 /20							
<i>(high gradient)</i>								
<table border="1"> <tr><td>Velocity/Depth Regimes:</td><td>5 /20</td></tr> <tr><td><i>(high gradient)</i></td><td></td></tr> </table>	Velocity/Depth Regimes:	5 /20	<i>(high gradient)</i>		Bank Slope Left Bank: Moderate Right Bank: Moderate			
Velocity/Depth Regimes:	5 /20							
<i>(high gradient)</i>								
<table border="1"> <tr><td>Sediment Deposition:</td><td>10 /20</td></tr> </table>	Sediment Deposition:	10 /20	Large Woody Debris count Small (<i>diameter 10 cm. to 30 cm.</i>) 65					
Sediment Deposition:	10 /20							
<table border="1"> <tr><td>Channel Flow Status:</td><td>5 /20</td></tr> </table>	Channel Flow Status:	5 /20	Medium (<i>diameter 30 cm. to 60 cm.</i>) 45					
Channel Flow Status:	5 /20							
<table border="1"> <tr><td>Channel Alteration:</td><td>19 /20</td></tr> </table>	Channel Alteration:	19 /20	Large (<i>diameter >60 cm.</i>) 20					
Channel Alteration:	19 /20							
<table border="1"> <tr><td>Frequency of Riffles or Bends:</td><td>11 /20</td></tr> <tr><td><i>(high gradient)</i></td><td></td></tr> </table>	Frequency of Riffles or Bends:	11 /20	<i>(high gradient)</i>		Has LWD been placed? no			
Frequency of Riffles or Bends:	11 /20							
<i>(high gradient)</i>								
<table border="1"> <tr><td>Bank Stability</td><td></td></tr> <tr><td> Left Bank:</td><td>6 /10</td></tr> <tr><td> Right Bank:</td><td>7 /10</td></tr> </table>	Bank Stability		Left Bank:	6 /10	Right Bank:	7 /10		
Bank Stability								
Left Bank:	6 /10							
Right Bank:	7 /10							
<table border="1"> <tr><td>Vegetative Protection</td><td></td></tr> <tr><td> Left Bank:</td><td>10 /10</td></tr> <tr><td> Right Bank:</td><td>10 /10</td></tr> </table>	Vegetative Protection		Left Bank:	10 /10	Right Bank:	10 /10		
Vegetative Protection								
Left Bank:	10 /10							
Right Bank:	10 /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>10 /10</td></tr> </table>	Riparian Vegetation Zone Width		Left Bank:	9 /10	Right Bank:	10 /10		
Riparian Vegetation Zone Width								
Left Bank:	9 /10							
Right Bank:	10 /10							
<table border="1"> <tr><td>Total Score:</td><td>125 /200</td></tr> <tr><td>Overall Condition:</td><td>Good</td></tr> </table>	Total Score:	125 /200	Overall Condition:	Good				
Total Score:	125 /200							
Overall Condition:	Good							
<table border="1"> <tr><td>Field Notes</td></tr> <tr><td>endpoint- broad u shaped valley- no fish spotted. The GPS time may be wrong, but the habitat data is for this point.</td></tr> </table>	Field Notes	endpoint- broad u shaped valley- no fish spotted. The GPS time may be wrong, but the habitat data is for this point.						
Field Notes								
endpoint- broad u shaped valley- no fish spotted. The GPS time may be wrong, but the habitat data is for this point.								





Riparian Habitat Condition Assessment

Forest Park

Report Date: 4/12/2007

Reach ID: rFP*353

Survey date: 9/12/06 Length: 822 feet along Miller Creek

EPA Rapid Assessment Scores	Supplemental Information	Management Issues
Epifaunal Substrate/ Available Cover: 12 /20	Vegetative Stream Shading Left Bank: 80% Right Bank: 95%	
Embeddedness: 11 /20 <i>(high gradient)</i>	Riparian Vegetative Buffer Width Left Bank: 0 m. Right Bank: 0 m.	
Velocity/Depth Regimes: 5 /20 <i>(high gradient)</i>	Bank Slope Left Bank: Moderate Right Bank: Moderate	
Sediment Deposition: 10 /20	Large Woody Debris count Small <i>(diameter 10 cm. to 30 cm.)</i> 0	
Channel Flow Status: 5 /20	Medium <i>(diameter 30 cm. to 60 cm.)</i> 0	
Channel Alteration: 18 /20	Large <i>(diameter >60 cm.)</i> 0	
Frequency of Riffles or Bends: 11 /20 <i>(high gradient)</i>	Has LWD been placed? no	
Bank Stability Left Bank: 6 /10 Right Bank: 7 /10	Field Notes	
Vegetative Protection Left Bank: 10 /10 Right Bank: 10 /10	endpoint - broad u shaped valley- no fish spotted	
Riparian Vegetation Zone Width Left Bank: 9 /10 Right Bank: 10 /10		
Total Score: 124 /200 Overall Condition: Good		





Riparian Habitat Condition Assessment

Forest Park

Report Date: 4/12/2007

Reach ID: **rFP*356**

Survey date: 9/12/06 Length: 768 feet along Miller Creek

EPA Rapid Assessment Scores

Epifaunal Substrate/ Available Cover:	12 /20
Embeddedness: <i>(high gradient)</i>	11 /20
Velocity/Depth Regimes: <i>(high gradient)</i>	5 /20
Sediment Deposition:	10 /20
Channel Flow Status:	5 /20
Channel Alteration:	19 /20
Frequency of Riffles or Bends: <i>(high gradient)</i>	11 /20
Bank Stability	
Left Bank:	6 /10
Right Bank:	7 /10
Vegetative Protection	
Left Bank:	10 /10
Right Bank:	10 /10
Riparian Vegetation Zone Width	
Left Bank:	9 /10
Right Bank:	10 /10

Total Score: 125 /200
Overall Condition:
 Good

Supplemental Information

Vegetative Stream Shading	
Left Bank:	90%
Right Bank:	85%
Riparian Vegetative Buffer Width	
Left Bank:	0 m.
Right Bank:	0 m.
Bank Slope	
Left Bank:	Moderate
Right Bank:	Moderate
Large Woody Debris count	
Small <i>(diameter 10 cm. to 30 cm.)</i>	0
Medium <i>(diameter 30 cm. to 60 cm.)</i>	0
Large <i>(diameter >60 cm.)</i>	0
Has LWD been placed?	no

Management Issues

Field Notes

endpoint-no water left- broad u shaped valley- no fish spotted

