



# Riparian Habitat Condition Assessment

Gabriel Park

Report Date: 4/12/2007

Reach ID: rGAB\*405

Survey date: 9/18/06 Length: 587 feet along Vermont Creek

EPA Rapid Assessment Scores	Supplemental Information	Management Issues						
<table border="1"> <tr> <td>Epifaunal Substrate/ Available Cover:</td> <td>9 /20</td> </tr> </table>	Epifaunal Substrate/ Available Cover:	9 /20	Vegetative Stream Shading Left Bank: 80% Right Bank: 75%					
Epifaunal Substrate/ Available Cover:	9 /20							
<table border="1"> <tr> <td>Embeddedness:</td> <td>11 /20</td> </tr> <tr> <td colspan="2"><i>(high gradient)</i></td> </tr> </table>	Embeddedness:	11 /20	<i>(high gradient)</i>		Riparian Vegetative Buffer Width Left Bank: 10 m. Right Bank: 10 m.			
Embeddedness:	11 /20							
<i>(high gradient)</i>								
<table border="1"> <tr> <td>Velocity/Depth Regimes:</td> <td>9 /20</td> </tr> <tr> <td colspan="2"><i>(high gradient)</i></td> </tr> </table>	Velocity/Depth Regimes:	9 /20	<i>(high gradient)</i>		Bank Slope Left Bank: Steep Right Bank: Steep			
Velocity/Depth Regimes:	9 /20							
<i>(high gradient)</i>								
<table border="1"> <tr> <td>Sediment Deposition:</td> <td>5 /20</td> </tr> </table>	Sediment Deposition:	5 /20	Large Woody Debris count					
Sediment Deposition:	5 /20							
<table border="1"> <tr> <td>Channel Flow Status:</td> <td>8 /20</td> </tr> </table>	Channel Flow Status:	8 /20	Small <i>(diameter 10 cm. to 30 cm.)</i> 36					
Channel Flow Status:	8 /20							
<table border="1"> <tr> <td>Channel Alteration:</td> <td>14 /20</td> </tr> </table>	Channel Alteration:	14 /20	Medium <i>(diameter 30 cm. to 60 cm.)</i> 17					
Channel Alteration:	14 /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>		Large <i>(diameter &gt;60 cm.)</i> 9			
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>1 /10</td> </tr> <tr> <td>  Right Bank:</td> <td>1 /10</td> </tr> </table>	Bank Stability		Left Bank:	1 /10	Right Bank:	1 /10	Has LWD been placed? no	
Bank Stability								
Left Bank:	1 /10							
Right Bank:	1 /10							
<table border="1"> <tr> <td>Vegetative Protection</td> <td></td> </tr> <tr> <td>  Left Bank:</td> <td>3 /10</td> </tr> <tr> <td>  Right Bank:</td> <td>3 /10</td> </tr> </table>	Vegetative Protection		Left Bank:	3 /10	Right Bank:	3 /10		
Vegetative Protection								
Left Bank:	3 /10							
Right Bank:	3 /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><b>Total Score:</b></td> <td><b>99 /200</b></td> </tr> <tr> <td><b>Overall Condition:</b></td> <td>Fair</td> </tr> </table>	<b>Total Score:</b>	<b>99 /200</b>	<b>Overall Condition:</b>	Fair	<b>Field Notes</b> endpoint- narrow v-shaped valley very constrained- deep incision- heavy invasives-mostly undercut banks			
<b>Total Score:</b>	<b>99 /200</b>							
<b>Overall Condition:</b>	Fair							







# Riparian Habitat Condition Assessment

Gabriel Park

Report Date: 4/12/2007

Reach ID: rGAB\*416

Survey date: 9/19/06 Length: 563 feet along Vermont Creek tributary

EPA Rapid Assessment Scores	Supplemental Information	Management Issues
Epifaunal Substrate/ Available Cover: 5 /20	Vegetative Stream Shading Left Bank: 85% Right Bank: 75%	
Embeddedness: 4 /20 <i>(high gradient)</i>	Riparian Vegetative Buffer Width Left Bank: 15 m. Right Bank: 15 m.	
Velocity/Depth Regimes: 4 /20 <i>(high gradient)</i>	Bank Slope Left Bank: Steep Right Bank: Steep	
Sediment Deposition: 2 /20	Large Woody Debris count Small <i>(diameter 10 cm. to 30 cm.)</i> 47	
Channel Flow Status: 6 /20	Medium <i>(diameter 30 cm. to 60 cm.)</i> 29	
Channel Alteration: 15 /20	Large <i>(diameter &gt;60 cm.)</i> 18	
Frequency of Riffles or Bends: 10 /20 <i>(high gradient)</i>	Has LWD been placed? no	
Bank Stability Left Bank: 2 /10 Right Bank: 2 /10	<b>Field Notes</b>	
Vegetative Protection Left Bank: 5 /10 Right Bank: 5 /10	endpoint- narrow v shaped valley, very constrained- heavy invasives, deep incision- partly undergoing revegetation project	
Riparian Vegetation Zone Width Left Bank: 10 /10 Right Bank: 9 /10		
<b>Total Score: 79 /200</b> <b>Overall Condition:</b> Poor		





# Riparian Habitat Condition Assessment

## Gabriel Park

Report Date: 4/12/2007

Reach ID: rGAB\*420

Survey date: 9/19/06 Length: 139 feet along Gabriel Park tributary

EPA Rapid Assessment Scores	
Epifaunal Substrate/ Available Cover:	4 /20
Embeddedness: <i>(high gradient)</i>	5 /20
Velocity/Depth Regimes: <i>(high gradient)</i>	1 /20
Sediment Deposition:	2 /20
Channel Flow Status:	2 /20
Channel Alteration:	15 /20
Frequency of Riffles or Bends: <i>(high gradient)</i>	3 /20
Bank Stability Left Bank:	6 /10
Right Bank:	6 /10
Vegetative Protection Left Bank:	3 /10
Right Bank:	3 /10
Riparian Vegetation Zone Width Left Bank:	4 /10
Right Bank:	9 /10
<b>Total Score:</b>	<b>63 /200</b>
<b>Overall Condition:</b>	Poor

Supplemental Information	
Vegetative Stream Shading	
Left Bank:	65%
Right Bank:	70%
Riparian Vegetative Buffer Width	
Left Bank:	11 m.
Right Bank:	11 m.
Bank Slope	
Left Bank:	Moderate
Right Bank:	Moderate
Large Woody Debris count	
Small ( <i>diameter 10 cm. to 30 cm.</i> )	22
Medium ( <i>diameter 30 cm. to 60 cm.</i> )	9
Large ( <i>diameter &gt;60 cm.</i> )	4
Has LWD been placed?	no

Management Issues

**Field Notes**  
 endpoint-flow begins here at spring- narrow u-shaped valley, medium constraint- heavy erosion on streambanks, as well as undercutting

