



Stream Geomorphic Assessment



Agency of Natural Resources

Vermont.gov

Phase 2 Segment Summary Report **West River - Rock River**

Stream: **Rock River Main Stem**

Reach: **T02.01-0**

SGAT Version: **4.53**

Organization: **Landslide Natural Resource Planning**

Rain: **Y**

Completion Date:

8/10/2006

Observers: **ADS, JC**

Segment Length(ft): **7,999 feet** Location: **Williamsville Station 1.5 miles upstream.**

Quality Control Status - Staff: **Provisional**

Quality Control Status - Consultant: **Passed**

Notes: **This reach is dominated by ledge outcrops that have created a series of deep pools (heavily used for swimming) and riffles. It historically incised, perhaps when the dam at T08.03 was present, and widened. It is currently aggrading. We saw a mink on 08/10/2006.**

Is Segment Assessed:	#Error	Known Flood History:	Y	Is Administrative Judgment?:	#Error
Last date Segment was Edited:	4/18/2007	Sketch Done?:	N	Administrative Judgment Entity:	
Weather:	Sunny	Photo Log Done?:	Y	Administrative STD:	

Step 1. Valley and Floodplain

Watershed Zone:		<u>Side</u>	<u>Left</u>	<u>Right</u>
Has Grade Control?:	#Error	Berm (ft.):		
1.1 Segmentation Comment:		Road (ft.):		
		Railroad (ft.):		
		Improved Path (ft.):		
		Development (ft.):		

Step 2. Stream Channel

2.14 Dominant Bed Material	Consistency	Sub-dominant Bedform:
Lower:	Lower:	
Upper:	Upper:	

Step 3. Riparian Features

3.3 Riparian Corridor	Number of Mass Failures:
Has Stormwater Inputs?:	#Error Number of Gullies:
Number of Stormwater Inputs:	0
Stormwater Inputs:	

Step 4. Flow & Flow Modifiers

4.5 Has Channel Constriction?:	#Error	Bridge and Culver Assessment ?:	Yes
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Step 7. Rapid Geomorphic Assessment Data

Geo Assessment Confinement: **Confined**



Stream Geomorphic Assessment



Agency of Natural Resources

Vermont.gov

Phase 2 Segment Summary Report **West River - Rock River**

Stream: **Rock River Main Stem**

Reach: **T02.02-0**

SGAT Version: **4.53**

Organization: **Landslide Natural Resource Planning**

Rain: **Y**

Completion Date:

8/10/2006

Observers: **ADS, JC**

Segment Length(ft): **3,693 feet** Location: **Just east of Williamsville and Williamsville bridge.**

Quality Control Status - Staff: **Passed**

Quality Control Status - Consultant: **Passed**

Notes: **This reach is located downstream of the village of Williamsville in a semi-confined valley that is naturally straight. There is a gravel town road along the entire right bank and the left corridor is almost entirely mowed meadow though the stream bank is vegetated along both banks. It is aggrading with historic degradation and widening.**

Is Segment Assessed:	#Error	Known Flood History:	Y	Is Administrative Judgment?:	#Error
Last date Segment was Edited:	3/23/2007	Sketch Done?:	N	Administrative Judgment Entity:	
Weather:	Sunny	Photo Log Done?:	Y	Administrative STD:	

Step 1. Valley and Floodplain

Watershed Zone:		<u>Side</u>	<u>Left</u>	<u>Right</u>
Has Grade Control?:	#Error	Berm (ft.):		
1.1 Segmentation Comment:		Road (ft.):		
		Railroad (ft.):		
		Improved Path (ft.):		
		Development (ft.):		

Step 2. Stream Channel

2.14 Dominant Bed Material	Consistency	Sub-dominant Bedform:
Lower:	Lower:	
Upper:	Upper:	

Step 3. Riparian Features

3.3 Riparian Corridor	Number of Mass Failures:
Has Stormwater Inputs?:	#Error Number of Gullies:
Number of Stormwater Inputs:	0
Stormwater Inputs:	

Step 4. Flow & Flow Modifiers

4.5 Has Channel Constriction?:	#Error	Bridge and Culver Assessment ?:	Yes
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Step 7. Rapid Geomorphic Assessment Data

Geo Assessment Confinement: **Plane Bed**



Stream Geomorphic Assessment



Agency of Natural Resources

Vermont.gov

Phase 2 Segment Summary Report **West River - Rock River**

Stream: **Rock River Main Stem**

Reach: **T02.03-0**

SGAT Version: **4.53**

Organization: **Landslide Natural Resource Planning**

Rain: **Y**

Completion Date:

8/16/2006

Observers: **ADS, JC, SH**

Segment Length(ft): **2,883 feet** Location: **In Village of Williamsville.**

Quality Control Status - Staff: **Provisional**

Quality Control Status - Consultant: **Passed**

Notes: **This reach was historically dammed until the 1980's when the dam was allowed to "dismantle naturally". It is still adjusting to the dam removal. There is a very wide area downstream of the dam site with two flood chutes that are accessed regularly. The main flow has been in the left most channel, grade controlled area, for at least 30 years (local interview).**

Is Segment Assessed:	#Error	Known Flood History:	Y	Is Administrative Judgment?:	#Error
Last date Segment was Edited:	4/30/2007	Sketch Done?:	N	Administrative Judgment Entity:	
Weather:	Sunny	Photo Log Done?:	Y	Administrative STD:	

Step 1. Valley and Floodplain

Watershed Zone:		<u>Side</u>	<u>Left</u>	<u>Right</u>
Has Grade Control?:	#Error	Berm (ft.):		
1.1 Segmentation Comment:		Road (ft.):		
		Railroad (ft.):		
		Improved Path (ft.):		
		Development (ft.):		

Step 2. Stream Channel

2.14 Dominant Bed Material	Consistency	Sub-dominant Bedform:
Lower:	Lower:	
Upper:	Upper:	

Step 3. Riparian Features

3.3 Riparian Corridor		Number of Mass Failures:
Has Stormwater Inputs?:	#Error	Number of Gullies:
Number of Stormwater Inputs:	0	
Stormwater Inputs:		

Step 4. Flow & Flow Modifiers

4.5 Has Channel Constriction?:	#Error	Bridge and Culver Assessment ?:	Yes
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Step 7. Rapid Geomorphic Assessment Data

Geo Assessment Confinement:	Confined
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Stream Geomorphic Assessment



Agency of Natural Resources

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Phase 2 Segment Summary Report **West River - Rock River**

Stream: **Baker Brook**

Reach: **T2.03-S2.01-0**

SGAT Version: **4.53**

Organization: **Landslide Natural Resource Planning**

Rain: **Y**

Completion Date:

8/24/2006

Observers: **ADS, CH**

Segment Length(ft): **5,151 feet** Location: **Mouth of Baker Brook, Williamsville Village**

Quality Control Status - Staff: **Provisional**

Quality Control Status - Consultant: **Passed**

Notes: **This reach is in the process of re-building active floodplain. There are numerous old terraces on the RB. Abundant placed rock in the stream, possibly post 1973 flood.**

Is Segment Assessed:	#Error	Known Flood History:	Y	Is Administrative Judgment?:	#Error
Last date Segment was Edited:	4/30/2007	Sketch Done?:	N	Administrative Judgment Entity:	
Weather:	Sunny	Photo Log Done?:	Y	Administrative STD:	

Step 1. Valley and Floodplain

Watershed Zone:		<u>Side</u>	<u>Left</u>	<u>Right</u>
Has Grade Control?:	#Error	Berm (ft.):		
1.1 Segmentation Comment:		Road (ft.):		
		Railroad (ft.):		
		Improved Path (ft.):		
		Development (ft.):		

Step 2. Stream Channel

2.14 Dominant Bed Material	Consistency	Sub-dominant Bedform:
Lower:	Lower:	
Upper:	Upper:	

Step 3. Riparian Features

3.3 Riparian Corridor		Number of Mass Failures:
Has Stormwater Inputs?:	#Error	Number of Gullies:
Number of Stormwater Inputs:	1	
Stormwater Inputs:	1	

Step 4. Flow & Flow Modifiers

4.5 Has Channel Constriction?:	#Error	Bridge and Culver Assessment ?:	Yes
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Step 7. Rapid Geomorphic Assessment Data

Geo Assessment Confinement:	Plane Bed
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Stream Geomorphic Assessment



Agency of Natural Resources

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Phase 2 Segment Summary Report **West River - Rock River**

Stream: **Baker Brook**

Reach: **T2.03-S2.02-0**

SGAT Version: **4.53**

Organization: **Landslide Natural Resource Planning**

Rain: **Y**

Completion Date:

8/31/2006

Observers: **ADS, CH**

Segment Length(ft): **6,190 feet** Location: **Baker Brook, along Baker Brook Rd near Parish Hill Rd**

Quality Control Status - Staff: **Provisional**

Quality Control Status - Consultant: **Passed**

Notes: **This reach is a C riffle pool by reference but is currently an F riffle pool due to historic degradation (entrenchment) and widening. It is in stage IV of the F-stage channel evolution model is extremely sensitive (due to the stream type departure) and in fair geomorphic condition. Ford is new for acces to camp. It was 1 week old (according to a neighbor) when we saw it.**

Is Segment Assessed:	#Error	Known Flood History:	Y	Is Administrative Judgment?:	#Error
Last date Segment was Edited:	4/30/2007	Sketch Done?:	N	Administrative Judgment Entity:	
Weather:	Sunny	Photo Log Done?:	Y	Administrative STD:	

Step 1. Valley and Floodplain

Watershed Zone:		<u>Side</u>	<u>Left</u>	<u>Right</u>
Has Grade Control?:	#Error	Berm (ft.):		
1.1 Segmentation Comment:		Road (ft.):		
		Railroad (ft.):		
		Improved Path (ft.):		
		Development (ft.):		

Step 2. Stream Channel

2.14 Dominant Bed Material	Consistency	Sub-dominant Bedform:
Lower:	Lower:	
Upper:	Upper:	

Step 3. Riparian Features

3.3 Riparian Corridor	Number of Mass Failures:
Has Stormwater Inputs?:	#Error Number of Gullies:
Number of Stormwater Inputs:	8
Stormwater Inputs:	8

Step 4. Flow & Flow Modifiers

4.5 Has Channel Constriction?:	#Error	Bridge and Culver Assessment ?:	Yes
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Step 7. Rapid Geomorphic Assessment Data

Geo Assessment Confinement: **Confined**



Stream Geomorphic Assessment



Agency of Natural Resources

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Phase 2 Segment Summary Report **West River - Rock River**

Stream: **Rock River Main Stem**

Reach: **T02.04-0**

SGAT Version: **4.53**

Organization: **Landslide Natural Resource Planning**

Rain: **Y**

Completion Date:

8/11/2006

Observers: **ADS, JC**

Segment Length(ft): **2,582 feet** Location: **From covered bridge west of Williamsville to village.**

Quality Control Status - Staff: **Provisional**

Quality Control Status - Consultant: **Passed**

Notes: **There was a dredging violation on this reach in the 1990's. It is located just upstream of an old dam that was removed in the 1980's. There is an old channel on the left terrace. It is currently widening and undergoing planform adjustment.**

Is Segment Assessed:	#Error	Known Flood History:	Y	Is Administrative Judgment?:	#Error
Last date Segment was Edited:	3/23/2007	Sketch Done?:	N	Administrative Judgment Entity:	
Weather:	Sunny	Photo Log Done?:	Y	Administrative STD:	

Step 1. Valley and Floodplain

Watershed Zone:		<u>Side</u>	<u>Left</u>	<u>Right</u>
Has Grade Control?:	#Error	Berm (ft.):		
1.1 Segmentation Comment:		Road (ft.):		
		Railroad (ft.):		
		Improved Path (ft.):		
		Development (ft.):		

Step 2. Stream Channel

2.14 Dominant Bed Material	Consistency	Sub-dominant Bedform:
Lower:	Lower:	
Upper:	Upper:	

Step 3. Riparian Features

3.3 Riparian Corridor	Number of Mass Failures:
Has Stormwater Inputs?:	#Error Number of Gullies:
Number of Stormwater Inputs:	0
Stormwater Inputs:	

Step 4. Flow & Flow Modifiers

4.5 Has Channel Constriction?:	#Error	Bridge and Culver Assessment ?:	Yes
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Step 7. Rapid Geomorphic Assessment Data

Geo Assessment Confinement:	Confined
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Stream Geomorphic Assessment



Agency of Natural Resources

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Phase 2 Segment Summary Report West River - Rock River

Stream: **Rock River Main Stem**

Reach: **T02.05-A**

SGAT Version: **4.53**

Organization: **Landslide Natural Resource Planning**

Rain: **Y**

Completion Date:

8/11/2006

Observers: **ADS, JC**

Segment Length(ft): **3,533 feet** Location: **South Newfane village to covered bridge west of Williamsville.**

Quality Control Status - Staff: **Provisional**

Quality Control Status - Consultant: **Passed**

Notes: **This reach was straightened between 1935 and 1954. It has few corridor encroachments and is in reference stream type with minor widening.**

Is Segment Assessed:	#Error	Known Flood History:	Y	Is Administrative Judgment?:	#Error
Last date Segment was Edited:	3/23/2007	Sketch Done?:	N	Administrative Judgment Entity:	
Weather:	Sunny	Photo Log Done?:	Y	Administrative STD:	

Step 1. Valley and Floodplain

Watershed Zone:		<u>Side</u>	<u>Left</u>	<u>Right</u>
Has Grade Control?:	#Error	Berm (ft.):		
1.1 Segmentation Comment:		Road (ft.):		
		Railroad (ft.):		
		Improved Path (ft.):		
		Development (ft.):		

Step 2. Stream Channel

2.14 Dominant Bed Material	Consistency	Sub-dominant Bedform:
Lower:	Lower:	
Upper:	Upper:	

Step 3. Riparian Features

3.3 Riparian Corridor	Number of Mass Failures:	
Has Stormwater Inputs?:	#Error	Number of Gullies:
Number of Stormwater Inputs:	0	
Stormwater Inputs:		

Step 4. Flow & Flow Modifiers

4.5 Has Channel Constriction?:	#Error	Bridge and Culver Assessment ?:	Yes
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Step 7. Rapid Geomorphic Assessment Data

Geo Assessment Confinement: **Plane Bed**



Stream Geomorphic Assessment



Agency of Natural Resources

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Phase 2 Segment Summary Report **West River - Rock River**

Stream: **Rock River Main Stem**

Reach: **T02.05-B**

SGAT Version: **4.53**

Organization: **Landslide Natural Resource Planning**

Rain: **Y**

Completion Date:

8/16/2006

Observers: **ADS, SH**

Segment Length(ft): **1,101 feet** Location: **In middle of reach at riprapped and over widened area adjacent to road.**

Quality Control Status - Staff: **Provisional**

Quality Control Status - Consultant: **Passed**

Notes: **This reach is widening, eroding and aggrading. It used to be split by the road but was moved to the north channel between 1935 and 1954. It is extensively rip-rapped along the right bank for the road and is the first wide, bend in the river for 2,000 feet.**

Is Segment Assessed:	#Error	Known Flood History:	Y	Is Administrative Judgment?:	#Error
Last date Segment was Edited:	4/13/2007	Sketch Done?:	N	Administrative Judgment Entity:	
Weather:	Sunny	Photo Log Done?:	Y	Administrative STD:	

Step 1. Valley and Floodplain

Watershed Zone:		<u>Side</u>	<u>Left</u>	<u>Right</u>
Has Grade Control?:	#Error	Berm (ft.):		
1.1 Segmentation Comment:		Road (ft.):		
		Railroad (ft.):		
		Improved Path (ft.):		
		Development (ft.):		

Step 2. Stream Channel

2.14 Dominant Bed Material	Consistency	Sub-dominant Bedform:
Lower:	Lower:	
Upper:	Upper:	

Step 3. Riparian Features

3.3 Riparian Corridor	Number of Mass Failures:
Has Stormwater Inputs?:	#Error Number of Gullies:
Number of Stormwater Inputs:	0
Stormwater Inputs:	

Step 4. Flow & Flow Modifiers

4.5 Has Channel Constriction?:	#Error	Bridge and Culver Assessment ?:	Yes
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Step 7. Rapid Geomorphic Assessment Data

Geo Assessment Confinement: **Plane Bed**



Stream Geomorphic Assessment



Agency of Natural Resources

Vermont.gov

Phase 2 Segment Summary Report **West River - Rock River**

Stream: **Rock River Main Stem**

Reach: **T02.05-C**

SGAT Version: **4.53**

Organization: **Landslide Natural Resource Planning**

Rain: **Y**

Completion Date:

8/11/2006

Observers: **ADS, JC**

Segment Length(ft): **2,651 feet** Location: **South Newfane Village to covered bridge in Williamsville.**

Quality Control Status - Staff: **Provisional**

Quality Control Status - Consultant: **Passed**

Notes: **The right bank is dominated by the road. There is one bridge that is a floodplain constriction with deposition below and scour above it.**

The segment is a C riffle pool stream type currently and by reference. It is in good geomorphic condition and is in stage II of the F-stage channel evolution model with minor widening as the dominant adjustment process. The left bank provides critical floodplain along this straight segment.

Is Segment Assessed:	#Error	Known Flood History:	Y	Is Administrative Judgment?:	#Error
Last date Segment was Edited:	3/23/2007	Sketch Done?:	N	Administrative Judgment Entity:	
Weather:	Sunny	Photo Log Done?:	Y	Administrative STD:	

Step 1. Valley and Floodplain

Watershed Zone:		<u>Side</u>	<u>Left</u>	<u>Right</u>
Has Grade Control?:	#Error	Berm (ft.):		
1.1 Segmentation Comment:		Road (ft.):		
		Railroad (ft.):		
		Improved Path (ft.):		
		Development (ft.):		

Step 2. Stream Channel

2.14 Dominant Bed Material	Consistency	Sub-dominant Bedform:
Lower:	Lower:	
Upper:	Upper:	

Step 3. Riparian Features

3.3 Riparian Corridor		Number of Mass Failures:
Has Stormwater Inputs?:	#Error	Number of Gullies:
Number of Stormwater Inputs:	0	
Stormwater Inputs:		

Step 4. Flow & Flow Modifiers

4.5 Has Channel Constriction?:	#Error	Bridge and Culver Assessment ?:	Yes
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Step 7. Rapid Geomorphic Assessment Data

Geo Assessment Confinement:	Plane Bed
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Stream Geomorphic Assessment



Agency of Natural Resources

Vermont.gov

Phase 2 Segment Summary Report **West River - Rock River**

Stream: **Rock River Main Stem**

Reach: **T02.06-A**

SGAT Version: **4.53**

Organization: **Landslide Natural Resource Planning**

Rain: **N**

Completion Date:

8/12/2006

Observers: **ADS, CH**

Segment Length(ft): **3,931 feet** Location: **West of South Newfane.**

Quality Control Status - Staff: **Provisional**

Quality Control Status - Consultant: **Passed**

Notes: **This reach was segmented due to channel dimension, substrate size and depositional features. It is located in a narrowly confined valley with no human caused changes to the valley width. This reach is currently in planform adjustment and is aggrading.**

Is Segment Assessed:	#Error	Known Flood History:	Y	Is Administrative Judgment?:	#Error
Last date Segment was Edited:	4/26/2007	Sketch Done?:	N	Administrative Judgment Entity:	
Weather:	Sunny	Photo Log Done?:	Y	Administrative STD:	

Step 1. Valley and Floodplain

Watershed Zone:		<u>Side</u>	<u>Left</u>	<u>Right</u>
Has Grade Control?:	#Error	Berm (ft.):		
1.1 Segmentation Comment:		Road (ft.):		
		Railroad (ft.):		
		Improved Path (ft.):		
		Development (ft.):		

Step 2. Stream Channel

2.14 Dominant Bed Material	Consistency	Sub-dominant Bedform:
Lower:	Lower:	
Upper:	Upper:	

Step 3. Riparian Features

3.3 Riparian Corridor	Number of Mass Failures:
Has Stormwater Inputs?:	#Error Number of Gullies:
Number of Stormwater Inputs:	0
Stormwater Inputs:	

Step 4. Flow & Flow Modifiers

4.5 Has Channel Constriction?:	#Error	Bridge and Culver Assessment ?:	Yes
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Step 7. Rapid Geomorphic Assessment Data

Geo Assessment Confinement: **Plane Bed**



Stream Geomorphic Assessment



Agency of Natural Resources

Vermont.gov

Phase 2 Segment Summary Report **West River - Rock River**

Stream: **Rock River Main Stem**

Reach: **T02.06-B**

SGAT Version: **4.53**

Organization: **Landslide Natural Resource Planning**

Rain: **N**

Completion Date:

8/17/2006

Observers: **ADS, CH**

Segment Length(ft): **1,428 feet** Location: **Southwest of Deer Hill, ends at Stratton Hill Road.**

Quality Control Status - Staff: **Passed**

Quality Control Status - Consultant: **Passed**

Notes: **This reach is currently aggrading after historically incising and widening.**

Is Segment Assessed:	#Error	Known Flood History:	Y	Is Administrative Judgment?:	#Error
Last date Segment was Edited:	4/23/2007	Sketch Done?:	N	Administrative Judgment Entity:	
Weather:	Sunny	Photo Log Done?:	Y	Administrative STD:	

Step 1. Valley and Floodplain

Watershed Zone:		<u>Side</u>	<u>Left</u>	<u>Right</u>
Has Grade Control?:	#Error	Berm (ft.):		
1.1 Segmentation Comment:		Road (ft.):		
		Railroad (ft.):		
		Improved Path (ft.):		
		Development (ft.):		

Step 2. Stream Channel

2.14 Dominant Bed Material	Consistency	Sub-dominant Bedform:
Lower:	Lower:	
Upper:	Upper:	

Step 3. Riparian Features

3.3 Riparian Corridor		Number of Mass Failures:
Has Stormwater Inputs?:	#Error	Number of Gullies:
Number of Stormwater Inputs:	0	
Stormwater Inputs:		

Step 4. Flow & Flow Modifiers

4.5 Has Channel Constriction?:	#Error	Bridge and Culver Assessment ?:	Yes
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Step 7. Rapid Geomorphic Assessment Data

Geo Assessment Confinement:	Plane Bed
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Stream Geomorphic Assessment



Agency of Natural Resources

Vermont.gov

Phase 2 Segment Summary Report West River - Rock River

Stream: **Rock River Main Stem**

Reach: **T02.07-0**

SGAT Version: **4.53**

Organization: **Landslide Natural Resource Planning**

Rain: **N**

Completion Date:

8/18/2006

Observers: **ADS, CH**

Segment Length(ft): **3,802 feet** Location: **Rock River main stem, along Dover Rd, beginning at Stratton Hill Rd. and continuing .7 miles up stream.**

Quality Control Status - Staff: **Provisional**

Quality Control Status - Consultant: **Passed**

Notes: **Historically, this reach functioned as a sediment storage and flood attenuation asset, as do all C type streams, but it has degraded from a C to an F type stream. The multiple flood chutes are indicative of planform adjustment. Some time between 1935 and 1954 the road and river were moved south to their present location. Floodplain access could be restored along portions of this reach, making it a good candidate for active geomorphic restoration.**

Is Segment Assessed:	#Error	Known Flood History: Y	Is Administrative Judgment?:	#Error
Last date Segment was Edited:	4/27/2007	Sketch Done?: N	Administrative Judgment Entity:	
Weather:	Sunny	Photo Log Done?: Y	Administrative STD:	

Step 1. Valley and Floodplain

Watershed Zone:		<u>Side</u>	<u>Left</u>	<u>Right</u>
Has Grade Control?:	#Error	Berm (ft.):		
1.1 Segmentation Comment:		Road (ft.):		
		Railroad (ft.):		
		Improved Path (ft.):		
		Development (ft.):		

Step 2. Stream Channel

2.14 Dominant Bed Material	Consistency	Sub-dominant Bedform:
Lower:	Lower:	
Upper:	Upper:	

Step 3. Riparian Features

3.3 Riparian Corridor		Number of Mass Failures:
Has Stormwater Inputs?:	#Error	Number of Gullies:
Number of Stormwater Inputs:	0	
Stormwater Inputs:		

Step 4. Flow & Flow Modifiers

4.5 Has Channel Constriction?:	#Error	Bridge and Culver Assessment ?:	Yes
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Step 7. Rapid Geomorphic Assessment Data

Geo Assessment Confinement:	Plane Bed
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Stream Geomorphic Assessment



Agency of Natural Resources

Vermont.gov

Phase 2 Segment Summary Report **West River - Rock River**

Stream: **Rock River Main Stem**

Reach: **T02.08-0**

SGAT Version: **4.53**

Organization: **Landslide Natural Resource Planning**

Rain: **N**

Completion Date:

8/17/2006

Observers: **ADS, CH**

Segment Length(ft): **1,781 feet** Location: **Rock River main stem, along Dover Rd, ending just u/s from trib T2.08-S1.01 that comes in from the north.**

Quality Control Status - Staff: **Provisional**

Quality Control Status - Consultant: **Passed**

Notes: **The town road used to cross the downstream end of this reach to continue along the left bank of the river. At some point between 1935 and 1954 a new road was put in on the south side of the river and is the main road today. The river appears to be closer to its original planform after this adjustment.**

Is Segment Assessed:	#Error	Known Flood History:	Y	Is Administrative Judgment?:	#Error
Last date Segment was Edited:	4/28/2007	Sketch Done?:	N	Administrative Judgment Entity:	
Weather:	Sunny	Photo Log Done?:	Y	Administrative STD:	

Step 1. Valley and Floodplain

Watershed Zone:		Side	<u>Left</u>	<u>Right</u>
Has Grade Control?:	#Error	Berm (ft.):		
1.1 Segmentation Comment:		Road (ft.):		
		Railroad (ft.):		
		Improved Path (ft.):		
		Development (ft.):		

Step 2. Stream Channel

2.14 Dominant Bed Material	Consistency	Sub-dominant Bedform:
Lower:	Lower:	
Upper:	Upper:	

Step 3. Riparian Features

3.3 Riparian Corridor		Number of Mass Failures:
Has Stormwater Inputs?:	#Error	Number of Gullies:
Number of Stormwater Inputs:	0	
Stormwater Inputs:		

Step 4. Flow & Flow Modifiers

4.5 Has Channel Constriction?:	#Error	Bridge and Culver Assessment ?:	Yes
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Step 7. Rapid Geomorphic Assessment Data

Geo Assessment Confinement:	Confined
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Stream Geomorphic Assessment



Agency of Natural Resources

Vermont.gov

Phase 2 Segment Summary Report **West River - Rock River**

Stream: **Rock River Main Stem**

Reach: **T02.09-0**

SGAT Version: **4.53**

Organization: **Landslide Natural Resource Planning**

Rain: **N**

Completion Date:

8/18/2006

Observers: **ADS, CH**

Segment Length(ft): **4,506 feet** Location: **Rock River main stem, below Brookside**

Quality Control Status - Staff: **Provisional**

Quality Control Status - Consultant: **Passed**

Notes: **This reach is dominated by the Dover Road. It is difficult to see on the historic topographic maps, but it was likely moved in the past for road construction. The valley width has been narrowed by the road. There are two mass failures, one very large one, that dates to the 1937 flood.**

Is Segment Assessed:	#Error	Known Flood History:	Y	Is Administrative Judgment?:	#Error
Last date Segment was Edited:	4/26/2007	Sketch Done?:	N	Administrative Judgment Entity:	
Weather:	Sunny	Photo Log Done?:	Y	Administrative STD:	

Step 1. Valley and Floodplain

Watershed Zone:		<u>Side</u>	<u>Left</u>	<u>Right</u>
Has Grade Control?:	#Error	Berm (ft.):		
1.1 Segmentation Comment:		Road (ft.):		
		Railroad (ft.):		
		Improved Path (ft.):		
		Development (ft.):		

Step 2. Stream Channel

2.14 Dominant Bed Material	Consistency	Sub-dominant Bedform:
Lower:	Lower:	
Upper:	Upper:	

Step 3. Riparian Features

3.3 Riparian Corridor	Number of Mass Failures:
Has Stormwater Inputs?:	#Error Number of Gullies:
Number of Stormwater Inputs:	0
Stormwater Inputs:	

Step 4. Flow & Flow Modifiers

4.5 Has Channel Constriction?:	#Error	Bridge and Culver Assessment ?:	Yes
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Step 7. Rapid Geomorphic Assessment Data

Geo Assessment Confinement: **Confined**



Stream Geomorphic Assessment



Agency of Natural Resources

Vermont.gov

Phase 2 Segment Summary Report **West River - Rock River**

Stream: **Rock River Main Stem**

Reach: **T02.10-0**

SGAT Version: **4.53**

Organization: **Landslide Natural Resource Planning**

Rain: **Y**

Completion Date:

8/30/2006

Observers: **ADS, CH**

Segment Length(ft): **2,245 feet** Location: **Rock River main stem through Brookside.**

Quality Control Status - Staff: **Provisional**

Quality Control Status - Consultant: **Passed**

Notes: **This reach starts in Brookside and ends just upstream of the Adam's Brook confluence. It is located in a narrowly confined valley and the Dover Road runs along its entire length. The left and right banks are 25% rip-rapped and there are two mass failures on the right bank. One thousand feet of the reach are straightened and there are multiple point and side bars present in the channel.**

Is Segment Assessed:	#Error	Known Flood History:	Y	Is Administrative Judgment?:	#Error
Last date Segment was Edited:	4/23/2007	Sketch Done?:	N	Administrative Judgment Entity:	
Weather:	Sunny	Photo Log Done?:	Y	Administrative STD:	

Step 1. Valley and Floodplain

Watershed Zone:		<u>Side</u>	<u>Left</u>	<u>Right</u>
Has Grade Control?:	#Error	Berm (ft.):		
1.1 Segmentation Comment:		Road (ft.):		
		Railroad (ft.):		
		Improved Path (ft.):		
		Development (ft.):		

Step 2. Stream Channel

2.14 Dominant Bed Material	Consistency	Sub-dominant Bedform:
Lower:	Lower:	
Upper:	Upper:	

Step 3. Riparian Features

3.3 Riparian Corridor	Number of Mass Failures:
Has Stormwater Inputs?:	#Error Number of Gullies:
Number of Stormwater Inputs:	1
Stormwater Inputs:	1

Step 4. Flow & Flow Modifiers

4.5 Has Channel Constriction?:	#Error	Bridge and Culver Assessment ?:	Yes
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Step 7. Rapid Geomorphic Assessment Data

Geo Assessment Confinement: **Confined**



Stream Geomorphic Assessment



Agency of Natural Resources

Vermont.gov

Phase 2 Segment Summary Report **West River - Rock River**

Stream: **Rock River Main Stem**

Reach: **T02.11-0**

SGAT Version: **4.53**

Organization: **Landslide Natural Resource Planning**

Rain: **Y**

Completion Date:

8/30/2006

Observers: **ADS, CH**

Segment Length(ft): **3,873 feet** Location: **Rock River main stem, between Brookside and East Dover**

Quality Control Status - Staff: **Provisional**

Quality Control Status - Consultant: **Passed**

Notes: **This reach has a gorge on the d/s end and in the u/s section where a mill used to be. There is unique conglomerate rock in the d/s gorge. The majority of this reach is well away from the road which makes it unique for the Rock River. However, it appears, from historic topographic maps, that the town road used to be adjacent to the left bank. This feature was identified as an old logging road in the field.**

Is Segment Assessed:	#Error	Known Flood History: Y	Is Administrative Judgment?:	#Error
Last date Segment was Edited:	4/28/2007	Sketch Done?:	N	Administrative Judgment Entity:
Weather:	Sunny	Photo Log Done?:	Y	Administrative STD:

Step 1. Valley and Floodplain

Watershed Zone:		<u>Side</u>	<u>Left</u>	<u>Right</u>
Has Grade Control?:	#Error	Berm (ft.):		
1.1 Segmentation Comment:		Road (ft.):		
		Railroad (ft.):		
		Improved Path (ft.):		
		Development (ft.):		

Step 2. Stream Channel

2.14 Dominant Bed Material	Consistency	Sub-dominant Bedform:
Lower:	Lower:	
Upper:	Upper:	

Step 3. Riparian Features

3.3 Riparian Corridor	Number of Mass Failures:	
Has Stormwater Inputs?:	#Error	Number of Gullies:
Number of Stormwater Inputs:	0	
Stormwater Inputs:		

Step 4. Flow & Flow Modifiers

4.5 Has Channel Constriction?:	#Error	Bridge and Culver Assessment ?:	Yes
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Step 7. Rapid Geomorphic Assessment Data

Geo Assessment Confinement:	Confined
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Stream Geomorphic Assessment



Agency of Natural Resources

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Phase 2 Segment Summary Report **West River - Rock River**

Stream: **Rock River Main Stem**

Reach: **T02.12-0**

SGAT Version: **4.53**

Organization: **Landslide Natural Resource Planning**

Rain: **Y**

Completion Date:

8/22/2006

Observers: **ADS, CH**

Segment Length(ft): **7,821 feet** Location: **Rock River main stem, through Goose City**

Quality Control Status - Staff: **Provisional**

Quality Control Status - Consultant: **Passed**

Notes: **This reach is a B plane bed by reference but is currently an F. It is entrenched and incised, having undergone historic degradation. It is presently in planform adjustment. The river was historically closer to the LVW according to a30+ yr. resident, whose Father used to tell her about it. It may have been moved for the road or ag. The channel bermed in many places. Old channel bed obvious in many places.**

Is Segment Assessed:	#Error	Known Flood History: Y	Is Administrative Judgment?:	#Error
Last date Segment was Edited:	4/23/2007	Sketch Done?:	N	Administrative Judgment Entity:
Weather:	Sunny	Photo Log Done?:	Y	Administrative STD:

Step 1. Valley and Floodplain

Watershed Zone:		<u>Side</u>	<u>Left</u>	<u>Right</u>
Has Grade Control?:	#Error	Berm (ft.):		
1.1 Segmentation Comment:		Road (ft.):		
		Railroad (ft.):		
		Improved Path (ft.):		
		Development (ft.):		

Step 2. Stream Channel

2.14 Dominant Bed Material	Consistency	Sub-dominant Bedform:
Lower:	Lower:	
Upper:	Upper:	

Step 3. Riparian Features

3.3 Riparian Corridor		Number of Mass Failures:
Has Stormwater Inputs?:	#Error	Number of Gullies:
Number of Stormwater Inputs:	1	
Stormwater Inputs:	1	

Step 4. Flow & Flow Modifiers

4.5 Has Channel Constriction?:	#Error	Bridge and Culver Assessment ?:	Yes
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Step 7. Rapid Geomorphic Assessment Data

Geo Assessment Confinement:	Plane Bed
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Stream Geomorphic Assessment



Agency of Natural Resources

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Phase 2 Segment Summary Report **West River - Rock River**

Stream: **Taft Brook**

Reach: **T02.11-S1.01-A**

SGAT Version: **4.53**

Organization: **Landslide Natural Resource Planning**

Rain: **Y**

Completion Date:

8/23/2006

Observers: **ADS, CH**

Segment Length(ft): **4,571 feet** Location: **First reach of Taft west of East Dover.**

Quality Control Status - Staff: **Provisional**

Quality Control Status - Consultant: **Passed**

Notes: **This reach is highly affected by undersized bridges and culverts and narrowing and straightening from the road as well as numerous grade controls. The constrictions cause u/s aggradation. There are also numerous mf that seem to be caused by seeps high in the banks.**

Is Segment Assessed:	#Error	Known Flood History:	Y	Is Administrative Judgment?:	#Error
Last date Segment was Edited:	5/23/2008	Sketch Done?:	N	Administrative Judgment Entity:	
Weather:	Sunny	Photo Log Done?:	Y	Administrative STD:	

Step 1. Valley and Floodplain

Watershed Zone:		<u>Side</u>	<u>Left</u>	<u>Right</u>
Has Grade Control?:	#Error	Berm (ft.):		
1.1 Segmentation Comment:		Road (ft.):		
		Railroad (ft.):		
		Improved Path (ft.):		
		Development (ft.):		

Step 2. Stream Channel

2.14 Dominant Bed Material	Consistency	Sub-dominant Bedform:
Lower:	Lower:	
Upper:	Upper:	

Step 3. Riparian Features

3.3 Riparian Corridor		Number of Mass Failures:
Has Stormwater Inputs?:	#Error	Number of Gullies:
Number of Stormwater Inputs:	4	
Stormwater Inputs:	4	

Step 4. Flow & Flow Modifiers

4.5 Has Channel Constriction?:	#Error	Bridge and Culver Assessment ?:	Yes
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Step 7. Rapid Geomorphic Assessment Data

Geo Assessment Confinement:	Confined
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Stream Geomorphic Assessment



Agency of Natural Resources

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Phase 2 Segment Summary Report **West River - Rock River**

Stream: **Taft Brook**

Reach: **T02.11-S1.01-B**

SGAT Version: **4.53**

Organization: **Landslide Natural Resource Planning**

Rain: **Y**

Completion Date:

8/23/2006

Observers: **ADS, CH**

Segment Length(ft): **2,749 feet** Location: **Mid-segment grade control to u/s of farm opening on road.**

Quality Control Status - Staff: **Provisional**

Quality Control Status - Consultant: **Passed**

Notes: **This segment is currently a C stream type. The slope is 2.9% which makes the subclass slope b still. There is significant aggradation exacerbated by a d/s debris jam and u/s erosion at the horse farm. There was evidence of gravel removal at one site in this segment near the horse farm.**

Is Segment Assessed:	#Error	Known Flood History:	Y	Is Administrative Judgment?:	#Error
Last date Segment was Edited:	4/30/2007	Sketch Done?:	N	Administrative Judgment Entity:	
Weather:	Sunny	Photo Log Done?:	Y	Administrative STD:	

Step 1. Valley and Floodplain

Watershed Zone:		<u>Side</u>	<u>Left</u>	<u>Right</u>
Has Grade Control?:	#Error	Berm (ft.):		
1.1 Segmentation Comment:		Road (ft.):		
		Railroad (ft.):		
		Improved Path (ft.):		
		Development (ft.):		

Step 2. Stream Channel

2.14 Dominant Bed Material	Consistency	Sub-dominant Bedform:
Lower:	Lower:	
Upper:	Upper:	

Step 3. Riparian Features

3.3 Riparian Corridor	Number of Mass Failures:	
Has Stormwater Inputs?:	#Error	Number of Gullies:
Number of Stormwater Inputs:	2	
Stormwater Inputs:	2	

Step 4. Flow & Flow Modifiers

4.5 Has Channel Constriction?:	#Error	Bridge and Culver Assessment ?:	Yes
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Step 7. Rapid Geomorphic Assessment Data

Geo Assessment Confinement:	Confined
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Stream Geomorphic Assessment



Agency of Natural Resources

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Phase 2 Segment Summary Report **West River - Rock River**

Stream: **Taft Brook**

Reach: **T02.11-S1.01-C**

SGAT Version: **4.53**

Organization: **Landslide Natural Resource Planning**

Rain: **Y**

Completion Date:

8/23/2006

Observers: **ADS, CH**

Segment Length(ft): **4,038 feet** Location: **U/S from horse farm to end of reach.**

Quality Control Status - Staff: **Provisional**

Quality Control Status - Consultant: **Passed**

Notes: **This reach is highly affected by undersized bridges and culverts and narrowing and straightening from the road as well as numerous grade controls. The constrictions cause u/s aggradation. There are also numerous mf that seem to be caused by seeps high in the banks. The first bridge entered for this segment (11') has no abutments, thus no full bridge and culvert survey was done for it.**

Is Segment Assessed:	#Error	Known Flood History:	Y	Is Administrative Judgment?:	#Error
Last date Segment was Edited:	4/30/2007	Sketch Done?:	N	Administrative Judgment Entity:	
Weather:	Sunny	Photo Log Done?:	Y	Administrative STD:	

Step 1. Valley and Floodplain

Watershed Zone:		<u>Side</u>	<u>Left</u>	<u>Right</u>
Has Grade Control?:	#Error	Berm (ft.):		
1.1 Segmentation Comment:		Road (ft.):		
		Railroad (ft.):		
		Improved Path (ft.):		
		Development (ft.):		

Step 2. Stream Channel

2.14 Dominant Bed Material	Consistency	Sub-dominant Bedform:
Lower:	Lower:	
Upper:	Upper:	

Step 3. Riparian Features

3.3 Riparian Corridor		Number of Mass Failures:
Has Stormwater Inputs?:	#Error	Number of Gullies:
Number of Stormwater Inputs:	1	
Stormwater Inputs:	1	

Step 4. Flow & Flow Modifiers

4.5 Has Channel Constriction?:	#Error	Bridge and Culver Assessment ?:	Yes
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Step 7. Rapid Geomorphic Assessment Data

Geo Assessment Confinement:	Confined
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Stream Geomorphic Assessment



Agency of Natural Resources

Vermont.gov

Phase 2 Segment Summary Report **West River - Rock River**

Stream: **Marlboro Branch**

Reach: **T02.05-S1.01-0**

SGAT Version: **4.53**

Organization: **Landslide Natural Resource Planning**

Rain: **Y**

Completion Date:

8/31/2006

Observers: **ADS, CH**

Segment Length(ft): **2,268 feet** Location: **Starts in South Newfane at the confluence with the Rock and continues south .44 miles along the road until the river turns sharply west away from the road.**

Quality Control Status - Staff: **Provisional**

Quality Control Status - Consultant: **Passed**

Notes: **A review of the historic topographic maps reveals that some time between 1935 and 1954 the river was moved toward the right valley wall in this reach. An old channel was noted near the left valley wall during the assessment. The reach is C riffle pool by reference and is currently a C plane bed due to aggradation. It is in stage IV of the F-stage channel evolution process with the dominant adjustment process being aggradation due to the loss of step-pool bed features.**

Is Segment Assessed:	#Error	Known Flood History: Y	Is Administrative Judgment?:	#Error
Last date Segment was Edited:	4/26/2007	Sketch Done?: N	Administrative Judgment Entity:	
Weather:	Sunny	Photo Log Done?: Y	Administrative STD:	

Step 1. Valley and Floodplain

Watershed Zone:		Side	<u>Left</u>	<u>Right</u>
Has Grade Control?:	#Error	Berm (ft.):		
1.1 Segmentation Comment:		Road (ft.):		
		Railroad (ft.):		
		Improved Path (ft.):		
		Development (ft.):		

Step 2. Stream Channel

2.14 Dominant Bed Material	Consistency	Sub-dominant Bedform:
Lower:	Lower:	
Upper:	Upper:	

Step 3. Riparian Features

3.3 Riparian Corridor		Number of Mass Failures:
Has Stormwater Inputs?:	#Error	Number of Gullies:
Number of Stormwater Inputs:	0	
Stormwater Inputs:		

Step 4. Flow & Flow Modifiers

4.5 Has Channel Constriction?:	#Error	Bridge and Culver Assessment ?:	Yes
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Step 7. Rapid Geomorphic Assessment Data

Geo Assessment Confinement:	Confined
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Stream Geomorphic Assessment



Agency of Natural Resources

Vermont.gov

Phase 2 Segment Summary Report West River - Rock River

Stream: **Marlboro Branch**

Reach: **T02.05-S1.02-0**

SGAT Version: **4.53**

Organization: **Landslide Natural Resource Planning**

Rain: **Y**

Completion Date:

9/1/2006

Observers: **ADS, CH**

Segment Length(ft): **8,326 feet** Location: **1.6 miles long, beginning where the Marlboro Branch moves west away from the road and continues south until just past the Gulf Brook.**

Quality Control Status - Staff: **Provisional**

Quality Control Status - Consultant: **Passed**

Notes: **A review of the historic topographic maps reveals that some time between 1935 and 1954 the river was moved toward the left valley wall in this reach. An old channel was noted near the left valley wall in some places during the assessment, in one case it is a current flood chute. Many point bars, abandoned channels and flood chutes. This reach is re-establishing meanders after having been straightened.**

Is Segment Assessed:	#Error	Known Flood History:	Y	Is Administrative Judgment?:	#Error
Last date Segment was Edited:	4/30/2007	Sketch Done?:	N	Administrative Judgment Entity:	
Weather:	Sunny	Photo Log Done?:	Y	Administrative STD:	

Step 1. Valley and Floodplain

Watershed Zone:		Side	<u>Left</u>	<u>Right</u>
Has Grade Control?:	#Error	Berm (ft.):		
1.1 Segmentation Comment:		Road (ft.):		
		Railroad (ft.):		
		Improved Path (ft.):		
		Development (ft.):		

Step 2. Stream Channel

2.14 Dominant Bed Material	Consistency	Sub-dominant Bedform:
Lower:	Lower:	
Upper:	Upper:	

Step 3. Riparian Features

3.3 Riparian Corridor	Number of Mass Failures:
Has Stormwater Inputs?:	#Error
Number of Stormwater Inputs:	0
Stormwater Inputs:	

Step 4. Flow & Flow Modifiers

4.5 Has Channel Constriction?:	#Error	Bridge and Culver Assessment ?:	Yes
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Step 7. Rapid Geomorphic Assessment Data

Geo Assessment Confinement:	Unconfined
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Stream Geomorphic Assessment



Agency of Natural Resources

Vermont.gov

Phase 2 Segment Summary Report **West River - Rock River**

Stream: **Marlboro Branch**

Reach: **T02.05-S1.03-0**

SGAT Version: **4.53**

Organization: **Landslide Natural Resource Planning**

Rain: **Y**

Completion Date:

9/6/2006

Observers: **ADS, CH**

Segment Length(ft): **6,788 feet** Location: **From the confluence with the Gulf Brook, the reach continues south 1.3 miles to the confluence with T2.05-S1.03-S1.01. Lahar Road heads south and Auger Hole Road turns west here.**

Quality Control Status - Staff: **Provisional**

Quality Control Status - Consultant: **Passed**

Notes: **The reach is a C riffle pool by reference but is currently a F riffle pool due to moderate entrenchment. It is in stage IV of the F-stage channel evolution model with aggradation and planform adjustment being the dominant current adjustment processes. There is significant evidence from historic topographic maps that the river was moved and straightened between 1935 and 1954.**

Is Segment Assessed:	#Error	Known Flood History:	Y	Is Administrative Judgment?:	#Error
Last date Segment was Edited:	4/30/2007	Sketch Done?:	N	Administrative Judgment Entity:	
Weather:	Sunny	Photo Log Done?:	Y	Administrative STD:	

Step 1. Valley and Floodplain

Watershed Zone:		<u>Side</u>	<u>Left</u>	<u>Right</u>
Has Grade Control?:	#Error	Berm (ft.):		
1.1 Segmentation Comment:		Road (ft.):		
		Railroad (ft.):		
		Improved Path (ft.):		
		Development (ft.):		

Step 2. Stream Channel

2.14 Dominant Bed Material	Consistency	Sub-dominant Bedform:
Lower:	Lower:	
Upper:	Upper:	

Step 3. Riparian Features

3.3 Riparian Corridor		Number of Mass Failures:
Has Stormwater Inputs?:	#Error	Number of Gullies:
Number of Stormwater Inputs:	0	
Stormwater Inputs:		

Step 4. Flow & Flow Modifiers

4.5 Has Channel Constriction?:	#Error	Bridge and Culver Assessment ?:	Yes
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Step 7. Rapid Geomorphic Assessment Data

Geo Assessment Confinement:	Confined
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Stream Geomorphic Assessment



Agency of Natural Resources

Vermont.gov

Phase 2 Segment Summary Report **West River - Rock River**

Stream: **Marlboro Branch**

Reach: **T02.05-S1.04-0**

SGAT Version: **4.53**

Organization: **Landslide Natural Resource Planning**

Rain: **Y**

Completion Date:

9/7/2006

Observers: **ADS, CH**

Segment Length(ft): **2,372 feet** Location: **Continues along Augerhole Road after Lahar Rd. heads south for .45 miles to just after confluence with Adam's Brook.**

Quality Control Status - Staff: **Provisional**

Quality Control Status - Consultant: **Passed**

Notes: **The reach is C riffle pool both by reference and currently. It is in stage IV of the F-stage channel evolution process with minor planform being the dominant adjustment process.**

Is Segment Assessed:	#Error	Known Flood History:	Y	Is Administrative Judgment?:	#Error
Last date Segment was Edited:	4/30/2007	Sketch Done?:	N	Administrative Judgment Entity:	
Weather:	Sunny	Photo Log Done?:	Y	Administrative STD:	

Step 1. Valley and Floodplain

Watershed Zone:		<u>Side</u>	<u>Left</u>	<u>Right</u>
Has Grade Control?:	#Error	Berm (ft.):		
1.1 Segmentation Comment:		Road (ft.):		
		Railroad (ft.):		
		Improved Path (ft.):		
		Development (ft.):		

Step 2. Stream Channel

2.14 Dominant Bed Material	Consistency	Sub-dominant Bedform:
Lower:	Lower:	
Upper:	Upper:	

Step 3. Riparian Features

3.3 Riparian Corridor	Number of Mass Failures:
Has Stormwater Inputs?:	#Error Number of Gullies:
Number of Stormwater Inputs:	0
Stormwater Inputs:	

Step 4. Flow & Flow Modifiers

4.5 Has Channel Constriction?:	#Error	Bridge and Culver Assessment ?:	Yes
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Step 7. Rapid Geomorphic Assessment Data

Geo Assessment Confinement: **Unconfined**



Stream Geomorphic Assessment



Agency of Natural Resources

Vermont.gov

Phase 2 Segment Summary Report **West River - Rock River**

Stream: **Marlboro Branch**

Reach: **T02.05-S1.05-0**

SGAT Version: **4.53**

Organization: **Landslide Natural Resource Planning**

Rain: **Y**

Completion Date:

9/7/2006

Observers: **ADS, CH**

Segment Length(ft): **5,876 feet** Location: **From just past the confluence with Adam's Brook 1.1 miles to just past the confluence with Worden Brook.**

Quality Control Status - Staff: **Provisional**

Quality Control Status - Consultant: **Passed**

Notes: **RB dominated by bedrock; LB contained by road.**

Is Segment Assessed:	#Error	Known Flood History:	Y	Is Administrative Judgment?:	#Error
Last date Segment was Edited:	4/27/2007	Sketch Done?:	N	Administrative Judgment Entity:	
Weather:	Sunny	Photo Log Done?:	Y	Administrative STD:	

Step 1. Valley and Floodplain

Watershed Zone:		<u>Side</u>	<u>Left</u>	<u>Right</u>
Has Grade Control?:	#Error	Berm (ft.):		
1.1 Segmentation Comment:		Road (ft.):		
		Railroad (ft.):		
		Improved Path (ft.):		
		Development (ft.):		

Step 2. Stream Channel

2.14 Dominant Bed Material	Consistency	Sub-dominant Bedform:
Lower:	Lower:	
Upper:	Upper:	

Step 3. Riparian Features

3.3 Riparian Corridor		Number of Mass Failures:
Has Stormwater Inputs?:	#Error	Number of Gullies:
Number of Stormwater Inputs:	4	
Stormwater Inputs:	4	

Step 4. Flow & Flow Modifiers

4.5 Has Channel Constriction?:	#Error	Bridge and Culver Assessment ?:	Yes
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Step 7. Rapid Geomorphic Assessment Data

Geo Assessment Confinement:	Confined
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