Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **M23 -C**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**8,231.6**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**0.0**	**0.0**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**138.5**	**0.0**
	Erosion Height (ft.):	**2.4**	**0.0**
	Revetment Type:	**Multiple**	**Rip-Rap**
	Revetment length	**1,123.6**	**661.6**
3.2	Buffer Less Than 25 ft.	**0**	**0**
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	**None**	
	Average Heigh (ft.):		
	Gullies:	**None**	
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies		

Step	Description	Value
4.4	Number of Debris Jams:	**3**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	

Overland Flow	**0**	Road Ditch	**0**
Field Ditch	**0**	Tile Drain	**0**
Other	**7**	Ub Strm Wtr Pipe	**0**

4.9	Beaver Dams:	**2**
	Affected length (ft.):	**1,250.0**
5.2	Migration Features	
	Flood Chutes:	**1**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**1**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**3**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**Straightening**
	Length (ft.):	**1,134.1**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **M05 -0**

Step	Description	Value
1.2	Alluvial Fan:	**None**
1.3	Encroachments - Side	One / Both
	Berm Length (ft.):	**0.0** / **0.0**
	Path Length (ft.):	**0.0** / **0.0**
	Road Length (ft.):	**7,443.5** / **2,356.5**
	Railroad Lenth (ft.):	**0.0** / **0.0**
	Development Length:	**1,472.0** / **284.3**
3.1	Erosion - Bank	Left / Right
	Erosion Length (ft.):	**1,139.2** / **2,148.7**
	Erosion Height (ft.):	**3.0** / **3.4**
	Revetment Type:	**Rip-Rap** / **Rip-Rap**
	Revetment length	**2,769.8** / **984.0**
3.2	Buffer Less Than 25 ft.	
3.3	Riparian Corridor	Left / Right
	Mass Failures:	
	Average Height (ft.):	**0.0** / **0.0**
	Mass Failures:	**None**
	Average Heigh (ft.):	**0.0**
	Gullies:	**None**
	Number of Gullies	
	Total Length of Gullies (ft.):	
	Average Height of Gullies	**0.0**

Step	Description	Value
4.4	Number of Debris Jams:	**0**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	

Overland Flow	**0**	Road Ditch	**0**
Field Ditch	**0**	Tile Drain	**0**
Other	**3**	Ub Strm Wtr Pipe	**0**

4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**1**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**Yes**
5.5	Channel Alterations	
	Straightening:	**Straightening**
	Length (ft.):	**6,228.5**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **M17 -0**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**1,225.4**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**0.0**	**0.0**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**104.4**	**0.0**
	Erosion Height (ft.):	**3.0**	**0.0**
	Revetment Type:	**Rip-Rap**	**None**
	Revetment length	**50.5**	**0.0**
3.2	Buffer Less Than 25 ft.		
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):	**0.0**	**0.0**
	Mass Failures:	**None**	
	Average Heigh (ft.):	**0.0**	
	Gullies:	**None**	
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies	**0.0**	

Step	Description	Value
4.4	Number of Debris Jams:	**0**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**0**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**2**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**None**
	Length (ft.):	**0.0**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T13.01 -0**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**217.5**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**370.0**	**836.8**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**0.0**	**96.5**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**35.5**	**79.7**
	Erosion Height (ft.):	**4.0**	**5.4**
	Revetment Type:	**None**	**Rip-Rap**
	Revetment length	**0.0**	**726.7**
3.2	Buffer Less Than 25 ft.	**0**	**0**
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	**None**	
	Average Heigh (ft.):		
	Gullies:	**None**	
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies		

Step	Description	Value
4.4	Number of Debris Jams:	**0**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	

Overland Flow	**0**	Road Ditch	**0**
Field Ditch	**0**	Tile Drain	**0**
Other	**1**	Ub Strm Wtr Pipe	**0**

4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**1**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**1**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**1**
	Head Cuts:	**0**
5.4	Animal Crossings:	**Yes**
5.5	Channel Alterations	
	Straightening:	**None**
	Length (ft.):	**0.0**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T3.01 -B**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**0.0**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**59.0**	**0.0**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**779.5**	**470.3**
	Erosion Height (ft.):	**2.9**	**1.9**
	Revetment Type:	**Hard Bank**	**None**
	Revetment length	**12.1**	**0.0**
3.2	Buffer Less Than 25 ft.	**0**	**0**
3.3	Riparian Corridor	Left	Right
	Mass Failures:	**165.7895**	
	Average Height (ft.):	**20.0**	
	Mass Failures:	**One**	
	Average Heigh (ft.):	**20.0**	
	Gullies:	**None**	
	Number of Gullies	**0**	
	Total Length of Gullies (ft.):	**0.0**	
	Average Height of Gullies		

Step	Description	Value
4.4	Number of Debris Jams:	**7**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**19**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**1**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**12**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**With Windrowing**
	Length (ft.):	**99.8**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **M09 -A**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**1,282.6**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**236.4**	**0.0**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**0.0**	**0.0**
	Erosion Height (ft.):	**0.0**	**0.0**
	Revetment Type:	**Rip-Rap**	**Rip-Rap**
	Revetment length	**38.3**	**114.9**
3.2	Buffer Less Than 25 ft.	**146**	**165**
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	**None**	
	Average Heigh (ft.):		
	Gullies:	**None**	
	Number of Gullies	**0**	
	Total Length of Gullies (ft.):		
	Average Height of Gullies		

Step	Description	Value
4.4	Number of Debris Jams:	**0**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**0**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**Straightening**
	Length (ft.):	**70.3**
	Dredging:	**None**

VERMONT

Stream Geomorphic Assessment

Agency of Natural Resouces

VT DEC

Vermont.gov

April, 08 2026

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **M21 -0**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**148.2**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**1,067.4**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**576.9**	**0.0**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**0.0**	**75.9**
	Erosion Height (ft.):	**0.0**	**4.0**
	Revetment Type:	**Rip-Rap**	**None**
	Revetment length	**502.2**	**0.0**
3.2	Buffer Less Than 25 ft.	**0**	**0**
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	**None**	
	Average Heigh (ft.):		
	Gullies:	**None**	
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies		

Step	Description	Value
4.4	Number of Debris Jams:	**0**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	

Overland Flow	**0**	Road Ditch	**0**
Field Ditch	**0**	Tile Drain	**0**
Other	**1**	Ub Strm Wtr Pipe	**0**

4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**0**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**1**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**Straightening**
	Length (ft.):	**1,114.1**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **M23 -A**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**3,593.4**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**0.0**	**0.0**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**0.0**	**31.7**
	Erosion Height (ft.):	**0.0**	**3.0**
	Revetment Type:	**Rip-Rap**	**Rip-Rap**
	Revetment length	**666.6**	**510.5**
3.2	Buffer Less Than 25 ft.	**0**	**0**
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	**None**	
	Average Heigh (ft.):		
	Gullies:	**None**	
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies		

Step	Description	Value
4.4	Number of Debris Jams:	**1**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	

Overland Flow	**0**	Road Ditch	**0**
Field Ditch	**0**	Tile Drain	**0**
Other	**3**	Ub Strm Wtr Pipe	**0**

4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**0**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**Straightening**
	Length (ft.):	**571.8**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **M13 -0**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**2,821.7**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**618.3**	**0.0**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**1,575.0**	**1,441.3**
	Erosion Height (ft.):	**5.2**	**4.7**
	Revetment Type:	**Multiple**	**Multiple**
	Revetment length	**528.7**	**613.3**
3.2	Buffer Less Than 25 ft.		
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):	**0.0**	**0.0**
	Mass Failures:	**None**	
	Average Heigh (ft.):	**0.0**	
	Gullies:	**None**	
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies	**0.0**	

Step	Description	Value
4.4	Number of Debris Jams:	**0**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**6**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**Yes**
5.5	Channel Alterations	
	Straightening:	**Straightening**
	Length (ft.):	**660.2**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T12.02 -A**

Step	Description	Value
1.2	Alluvial Fan:	**None**

Step	Encroachments - Side	One	Both
1.3	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**0.0**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**423.8**	**0.0**

Step	Erosion - Bank	Left	Right
3.1	Erosion Length (ft.):	**0.0**	**0.0**
	Erosion Height (ft.):	**0.0**	**0.0**
	Revetment Type:	**None**	**Rip-Rap**
	Revetment length	**0.0**	**93.9**
3.2	Buffer Less Than 25 ft.	**0**	**0**

Step	Riparian Corridor	Left	Right
3.3	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	**None**	
	Average Heigh (ft.):		
	Gullies:	**None**	
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies		

Step	Description	Value
4.4	Number of Debris Jams:	**1**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**1**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**2**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**None**
	Length (ft.):	**0.0**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T13.03 -0**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**996.1**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**0.0**	**0.0**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**491.0**	**209.4**
	Erosion Height (ft.):	**6.4**	**5.5**
	Revetment Type:	**None**	**None**
	Revetment length	**0.0**	**0.0**
3.2	Buffer Less Than 25 ft.	**0**	**0**
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	**None**	
	Average Heigh (ft.):		
	Gullies:	**None**	
	Number of Gullies	**1**	
	Total Length of Gullies (ft.):		
	Average Height of Gullies		

Step	Description	Value
4.4	Number of Debris Jams:	**16**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**12**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**1**
	Braiding:	**2**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**4**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**None**
	Length (ft.):	**0.0**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **M06 -0**

Step	Description	Value
1.2	Alluvial Fan:	**None**
1.3	Encroachments - Side	One / Both
	Berm Length (ft.):	**0.0** / **0.0**
	Path Length (ft.):	**0.0** / **0.0**
	Road Length (ft.):	**1,851.1** / **550.8**
	Railroad Lenth (ft.):	**0.0** / **0.0**
	Development Length:	**2,371.6** / **227.1**
3.1	Erosion - Bank	Left / Right
	Erosion Length (ft.):	**545.0** / **102.2**
	Erosion Height (ft.):	**2.0** / **3.0**
	Revetment Type:	**Multiple** / **Multiple**
	Revetment length	**232.0** / **931.8**
3.2	Buffer Less Than 25 ft.	**1541** / **2300**
3.3	Riparian Corridor	Left / Right
	Mass Failures:	**101.0585**
	Average Height (ft.):	**12.0**
	Mass Failures:	**One**
	Average Heigh (ft.):	**12.0**
	Gullies:	**None**
	Number of Gullies	**0**
	Total Length of Gullies (ft.):	**0.0**
	Average Height of Gullies	

Step	Description	Value
4.4	Number of Debris Jams:	**0**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**0**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**Straightening**
	Length (ft.):	**2,338.2**
	Dredging:	**Dredging**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **M18 -0**

Step	Description	Value
1.2	Alluvial Fan:	**None**
1.3	Encroachments - Side	One / Both
	Berm Length (ft.):	**0.0** / **0.0**
	Path Length (ft.):	**0.0** / **0.0**
	Road Length (ft.):	**1,066.6** / **196.1**
	Railroad Lenth (ft.):	**0.0** / **0.0**
	Development Length:	**649.8** / **533.5**
3.1	Erosion - Bank	Left / Right
	Erosion Length (ft.):	**148.4** / **0.0**
	Erosion Height (ft.):	**8.0** / **0.0**
	Revetment Type:	**Rip-Rap** / **Rip-Rap**
	Revetment length	**85.8** / **45.1**
3.2	Buffer Less Than 25 ft.	
3.3	Riparian Corridor	Left / Right
	Mass Failures:	
	Average Height (ft.):	**0.0** / **0.0**
	Mass Failures:	**None**
	Average Heigh (ft.):	**0.0**
	Gullies:	**None**
	Number of Gullies	
	Total Length of Gullies (ft.):	
	Average Height of Gullies	**0.0**

Step	Description	Value
4.4	Number of Debris Jams:	**0**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	

Overland Flow	**0**	Road Ditch	**0**
Field Ditch	**0**	Tile Drain	**0**
Other	**2**	Ub Strm Wtr Pipe	**0**

4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**0**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**None**
	Length (ft.):	**0.0**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **M16 -0**

Step	Description	Value		
1.2	Alluvial Fan:		**None**	
1.3	Encroachments - Side	One		Both
	Berm Length (ft.):	**0.0**		**0.0**
	Path Length (ft.):	**0.0**		**0.0**
	Road Length (ft.):	**6,605.1**		**706.8**
	Railroad Lenth (ft.):	**0.0**		**0.0**
	Development Length:	**1,527.0**		**0.0**
3.1	Erosion - Bank	Left		Right
	Erosion Length (ft.):	**1,251.1**		**1,366.2**
	Erosion Height (ft.):	**4.4**		**5.0**
	Revetment Type:	**Multiple**		**None**
	Revetment length	**1,279.0**		**0.0**
3.2	Buffer Less Than 25 ft.			
3.3	Riparian Corridor	Left		Right
	Mass Failures:			
	Average Height (ft.):	**0.0**		**0.0**
	Mass Failures:		**None**	
	Average Heigh (ft.):		**0.0**	
	Gullies:		**None**	
	Number of Gullies			
	Total Length of Gullies (ft.):			
	Average Height of Gullies		**0.0**	

Step	Description	Value
4.4	Number of Debris Jams:	**0**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	

Overland Flow	**0**	Road Ditch	**0**
Field Ditch	**0**	Tile Drain	**0**
Other	**4**	Ub Strm Wtr Pipe	**0**

4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**4**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**6**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**Straightening**
	Length (ft.):	**304.0**
	Dredging:	**Dredging**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T2.01 -B**

Step	Description	Value
1.2	Alluvial Fan:	**None**
1.3	Encroachments - Side	One / Both
	Berm Length (ft.):	**0.0** / **0.0**
	Path Length (ft.):	**0.0** / **0.0**
	Road Length (ft.):	**0.0** / **0.0**
	Railroad Lenth (ft.):	**0.0** / **0.0**
	Development Length:	**0.0** / **0.0**
3.1	Erosion - Bank	Left / Right
	Erosion Length (ft.):	**658.9** / **377.1**
	Erosion Height (ft.):	**3.6** / **4.3**
	Revetment Type:	**Rip-Rap** / **None**
	Revetment length	**100.8** / **0.0**
3.2	Buffer Less Than 25 ft.	**188** / **12**
3.3	Riparian Corridor	Left / Right
	Mass Failures:	**53.14209** / **83.54874**
	Average Height (ft.):	**9.3** / **30.0**
	Mass Failures:	**Multiple**
	Average Heigh (ft.):	**16.3**
	Gullies:	**None**
	Number of Gullies	**0**
	Total Length of Gullies (ft.):	
	Average Height of Gullies	

Step	Description	Value
4.4	Number of Debris Jams:	**0**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**4**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**1**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**4**
	Head Cuts:	**0**
5.4	Animal Crossings:	**Yes**
5.5	Channel Alterations	
	Straightening:	**Straightening**
	Length (ft.):	**75.5**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T12.02 -B**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**0.0**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**498.6**	**0.0**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**234.5**	**419.5**
	Erosion Height (ft.):	**4.0**	**4.1**
	Revetment Type:	**None**	**None**
	Revetment length	**0.0**	**0.0**
3.2	Buffer Less Than 25 ft.	**0**	**0**
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	**None**	
	Average Heigh (ft.):		
	Gullies:	**None**	
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies		

Step	Description	Value
4.4	Number of Debris Jams:	**6**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**2**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**1**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**2**
	Head Cuts:	**0**
5.4	Animal Crossings:	**Yes**
5.5	Channel Alterations	
	Straightening:	**Straightening**
	Length (ft.):	**369.4**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T9.03 -B**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**456.8**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**338.8**	**509.1**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**184.0**	**339.6**
	Erosion Height (ft.):	**3.9**	**2.8**
	Revetment Type:	**Multiple**	**Multiple**
	Revetment length	**444.8**	**445.5**
3.2	Buffer Less Than 25 ft.		
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):	**0.0**	**0.0**
	Mass Failures:	**None**	
	Average Heigh (ft.):	**0.0**	
	Gullies:	**None**	
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies	**0.0**	

Step	Description	Value
4.4	Number of Debris Jams:	**0**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	

Overland Flow	**0**	Road Ditch	**0**
Field Ditch	**0**	Tile Drain	**0**
Other	**1**	Ub Strm Wtr Pipe	**0**

4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**1**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**Straightening**
	Length (ft.):	**935.9**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **M14 -0**

Step	Description	Value
1.2	Alluvial Fan:	**None**
1.3	Encroachments - Side	One / Both
	Berm Length (ft.):	**0.0** / **0.0**
	Path Length (ft.):	**0.0** / **0.0**
	Road Length (ft.):	**334.1** / **0.0**
	Railroad Lenth (ft.):	**0.0** / **0.0**
	Development Length:	**267.8** / **0.0**
3.1	Erosion - Bank	Left / Right
	Erosion Length (ft.):	**500.6** / **469.3**
	Erosion Height (ft.):	**6.0** / **2.5**
	Revetment Type:	**None** / **Hard Bank**
	Revetment length	**0.0** / **150.9**
3.2	Buffer Less Than 25 ft.	
3.3	Riparian Corridor	Left / Right
	Mass Failures:	
	Average Height (ft.):	**0.0** / **0.0**
	Mass Failures:	**None**
	Average Heigh (ft.):	**0.0**
	Gullies:	**None**
	Number of Gullies	
	Total Length of Gullies (ft.):	
	Average Height of Gullies	**0.0**

Step	Description	Value
4.4	Number of Debris Jams:	**0**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**0**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**None**
	Length (ft.):	**0.0**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **M15 -0**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**4,118.5**	**586.2**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**1,136.2**	**0.0**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**1,125.1**	**2,505.4**
	Erosion Height (ft.):	**4.4**	**5.9**
	Revetment Type:	**Multiple**	**Multiple**
	Revetment length	**612.4**	**855.3**
3.2	Buffer Less Than 25 ft.		
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):	**0.0**	**0.0**
	Mass Failures:	**None**	
	Average Heigh (ft.):	**0.0**	
	Gullies:	**None**	
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies	**0.0**	

Step	Description	Value
4.4	Number of Debris Jams:	**0**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	

Overland Flow	**0**	Road Ditch	**0**
Field Ditch	**0**	Tile Drain	**0**
Other	**1**	Ub Strm Wtr Pipe	**0**

4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**0**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**Straightening**
	Length (ft.):	**2,646.0**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T12.2-S3.01 -0**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**0.0**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**0.0**	**0.0**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**0.0**	**0.0**
	Erosion Height (ft.):	**0.0**	**0.0**
	Revetment Type:	**None**	**None**
	Revetment length	**0.0**	**0.0**
3.2	Buffer Less Than 25 ft.	**0**	**0**
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	**None**	
	Average Heigh (ft.):		
	Gullies:	**None**	
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies		

Step	Description	Value
4.4	Number of Debris Jams:	**4**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**0**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**Yes**
5.5	Channel Alterations	
	Straightening:	**None**
	Length (ft.):	**0.0**
	Dredging:	**None**

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Mad River

SGAT Version: **4.56**

Reach: **M10 -0**

Step	Description	Value	
1.2	Alluvial Fan:		
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):		
	Path Length (ft.):		
	Road Length (ft.):		
	Railroad Lenth (ft.):		
	Development Length:		
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):		
	Erosion Height (ft.):		
	Revetment Type:		
	Revetment length		
3.2	Buffer Less Than 25 ft.		
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:		
	Average Heigh (ft.):		
	Gullies:		
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies		

Step	Description	Value
4.4	Number of Debris Jams:	
4.5	Flow Regulation Type:	
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	
	Affected length (ft.):	
5.2	Migration Features	
	Flood Chutes:	
	Neck Cutoffs:	
	Channel Avulsions:	
	Braiding:	
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	
	Head Cuts:	
5.4	Animal Crossings:	
5.5	Channel Alterations	
	Straightening:	
	Length (ft.):	**0.0**
	Dredging:	

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T13.2-S1.01 -0**

Step	Description	Value
1.2	Alluvial Fan:	**None**

Step	Encroachments - Side	One	Both
1.3	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**0.0**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**0.0**	**0.0**

Step	Erosion - Bank	Left	Right
3.1	Erosion Length (ft.):	**486.5**	**310.2**
	Erosion Height (ft.):	**2.9**	**3.5**
	Revetment Type:	**None**	**None**
	Revetment length	**0.0**	**0.0**
3.2	Buffer Less Than 25 ft.	**0**	**0**

Step	Riparian Corridor	Left	Right
3.3	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	**None**	
	Average Heigh (ft.):		
	Gullies:	**None**	
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies		

Step	Description	Value
4.4	Number of Debris Jams:	**8**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	

Overland Flow	Road Ditch
Field Ditch	Tile Drain
Other	Ub Strm Wtr Pipe

Step	Description	Value
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**6**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**2**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**3**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**None**
	Length (ft.):	**0.0**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **M12 -0**

Step	Description	Value
1.2	Alluvial Fan:	**None**
1.3	Encroachments - Side	One / Both
	Berm Length (ft.):	**0.0** / **0.0**
	Path Length (ft.):	**0.0** / **0.0**
	Road Length (ft.):	**1,784.5** / **377.1**
	Railroad Lenth (ft.):	**0.0** / **0.0**
	Development Length:	**1,731.8** / **522.9**
3.1	Erosion - Bank	Left / Right
	Erosion Length (ft.):	**1,608.4** / **1,129.3**
	Erosion Height (ft.):	**4.6** / **3.8**
	Revetment Type:	**Multiple** / **Rip-Rap**
	Revetment length	**558.8** / **866.3**
3.2	Buffer Less Than 25 ft.	
3.3	Riparian Corridor	Left / Right
	Mass Failures:	
	Average Height (ft.):	**60.0** / **60.0**
	Mass Failures:	**One**
	Average Heigh (ft.):	**60.0**
	Gullies:	**None**
	Number of Gullies	
	Total Length of Gullies (ft.):	
	Average Height of Gullies	**0.0**

Step	Description	Value
4.4	Number of Debris Jams:	**0**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	

Overland Flow	**0**	Road Ditch	**0**
Field Ditch	**0**	Tile Drain	**0**
Other	**1**	Ub Strm Wtr Pipe	**0**

4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**1**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**1**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**Straightening**
	Length (ft.):	**2,304.8**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T12.2-S4.01 -0**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**60.6**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**1,750.0**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**0.0**	**0.0**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**0.0**	**0.0**
	Erosion Height (ft.):	**0.0**	**0.0**
	Revetment Type:	**Rip-Rap**	**None**
	Revetment length	**55.8**	**0.0**
3.2	Buffer Less Than 25 ft.	**0**	**0**
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	**None**	
	Average Heigh (ft.):		
	Gullies:	**None**	
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies		

Step	Description	Value
4.4	Number of Debris Jams:	**6**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**1**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**1**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**Yes**
5.5	Channel Alterations	
	Straightening:	**None**
	Length (ft.):	**0.0**
	Dredging:	**Commercial Mining**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **M20 -B**

Step	Description	Value
1.2	Alluvial Fan:	**None**
1.3	Encroachments - Side	One / Both
	Berm Length (ft.):	**0.0** / **0.0**
	Path Length (ft.):	**0.0** / **0.0**
	Road Length (ft.):	**0.0** / **0.0**
	Railroad Lenth (ft.):	**0.0** / **0.0**
	Development Length:	**0.0** / **0.0**
3.1	Erosion - Bank	Left / Right
	Erosion Length (ft.):	**210.4** / **595.8**
	Erosion Height (ft.):	**4.0** / **5.0**
	Revetment Type:	**None** / **None**
	Revetment length	**0.0** / **0.0**
3.2	Buffer Less Than 25 ft.	**0** / **0**
3.3	Riparian Corridor	Left / Right
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	**None**
	Average Heigh (ft.):	
	Gullies:	**None**
	Number of Gullies	
	Total Length of Gullies (ft.):	
	Average Height of Gullies	

Step	Description	Value
4.4	Number of Debris Jams:	**0**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**0**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**1**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**None**
	Length (ft.):	**0.0**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T6.1-S1.01 -0**

Step	Description	Value
1.2	Alluvial Fan:	**Yes**
1.3	Encroachments - Side	One / Both
	Berm Length (ft.):	**0.0** / **0.0**
	Path Length (ft.):	**0.0** / **0.0**
	Road Length (ft.):	**731.7** / **0.0**
	Railroad Lenth (ft.):	**0.0** / **0.0**
	Development Length:	**723.5** / **0.0**
3.1	Erosion - Bank	Left / Right
	Erosion Length (ft.):	**602.5** / **759.1**
	Erosion Height (ft.):	**3.1** / **3.1**
	Revetment Type:	**Rip-Rap** / **Rip-Rap**
	Revetment length	**24.5** / **24.3**
3.2	Buffer Less Than 25 ft.	
3.3	Riparian Corridor	Left / Right
	Mass Failures:	
	Average Height (ft.):	**20.2** / **20.2**
	Mass Failures:	**Multiple**
	Average Heigh (ft.):	**20.2**
	Gullies:	**One**
	Number of Gullies	
	Total Length of Gullies (ft.):	
	Average Height of Gullies	**3.0**

Step	Description	Value
4.4	Number of Debris Jams:	**4**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**10**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**1**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**Straightening**
	Length (ft.):	**2,301.2**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T9.2-S1.01 -0**

Step	Description	Value		
1.2	Alluvial Fan:	**None**		
1.3	Encroachments - Side	One	Both	
	Berm Length (ft.):	**0.0**	**0.0**	
	Path Length (ft.):	**0.0**	**0.0**	
	Road Length (ft.):	**1,250.8**	**0.0**	
	Railroad Lenth (ft.):	**0.0**	**0.0**	
	Development Length:	**683.0**	**0.0**	
3.1	Erosion - Bank	Left	Right	
	Erosion Length (ft.):	**326.2**	**294.2**	
	Erosion Height (ft.):	**2.5**	**2.4**	
	Revetment Type:	**None**	**None**	
	Revetment length	**0.0**	**0.0**	
3.2	Buffer Less Than 25 ft.			
3.3	Riparian Corridor	Left	Right	
	Mass Failures:			
	Average Height (ft.):	**25.0**	**25.0**	
	Mass Failures:	**Multiple**		
	Average Heigh (ft.):	**25.0**		
	Gullies:	**None**		
	Number of Gullies			
	Total Length of Gullies (ft.):			
	Average Height of Gullies	**0.0**		

Step	Description	Value
4.4	Number of Debris Jams:	**2**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**0**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**Straightening**
	Length (ft.):	**331.1**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T2.01 -A**

Step	Description	Value	
1.2	Alluvial Fan:	**Yes**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**56.9**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**308.9**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**0.0**	**979.7**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**582.9**	**207.4**
	Erosion Height (ft.):	**4.7**	**3.8**
	Revetment Type:	**Multiple**	**Multiple**
	Revetment length	**393.4**	**608.1**
3.2	Buffer Less Than 25 ft.	**897**	**1062**
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	**None**	
	Average Heigh (ft.):		
	Gullies:	**None**	
	Number of Gullies	**0**	
	Total Length of Gullies (ft.):	**0.0**	
	Average Height of Gullies		

Step	Description	Value
4.4	Number of Debris Jams:	**0**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**1**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**4**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**Straightening**
	Length (ft.):	**1,246.1**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T13.04 -0**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**953.5**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**0.0**	**0.0**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**245.8**	**69.0**
	Erosion Height (ft.):	**3.7**	**5.0**
	Revetment Type:	**None**	**None**
	Revetment length	**0.0**	**0.0**
3.2	Buffer Less Than 25 ft.	**0**	**0**
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	**None**	
	Average Heigh (ft.):		
	Gullies:	**None**	
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies		

Step	Description	Value
4.4	Number of Debris Jams:	**14**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**9**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**3**
	Braiding:	**4**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**None**
	Length (ft.):	**0.0**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **M20 -A**

Step	Description	Value
1.2	Alluvial Fan:	**None**
1.3	Encroachments - Side	One / Both
	Berm Length (ft.):	**0.0** / **0.0**
	Path Length (ft.):	**0.0** / **0.0**
	Road Length (ft.):	**693.2** / **0.0**
	Railroad Lenth (ft.):	**0.0** / **0.0**
	Development Length:	**0.0** / **0.0**
3.1	Erosion - Bank	Left / Right
	Erosion Length (ft.):	**75.5** / **132.6**
	Erosion Height (ft.):	**5.0** / **9.0**
	Revetment Type:	**None** / **Hard Bank**
	Revetment length	**0.0** / **177.1**
3.2	Buffer Less Than 25 ft.	**0** / **0**
3.3	Riparian Corridor	Left / Right
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	**None**
	Average Heigh (ft.):	
	Gullies:	**None**
	Number of Gullies	
	Total Length of Gullies (ft.):	
	Average Height of Gullies	

Step	Description	Value
4.4	Number of Debris Jams:	**0**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**0**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**3**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**None**
	Length (ft.):	**0.0**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **M23 -B**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**1,620.0**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**0.0**	**0.0**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**37.0**	**0.0**
	Erosion Height (ft.):	**2.0**	**0.0**
	Revetment Type:	**Multiple**	**None**
	Revetment length	**686.1**	**0.0**
3.2	Buffer Less Than 25 ft.	**0**	**0**
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	**None**	
	Average Heigh (ft.):		
	Gullies:	**None**	
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies		

Step	Description	Value
4.4	Number of Debris Jams:	**0**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	

Overland Flow	**0**	Road Ditch	**0**
Field Ditch	**0**	Tile Drain	**0**
Other	**4**	Ub Strm Wtr Pipe	**0**

4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**0**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**Straightening**
	Length (ft.):	**614.4**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T9.04 -0**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**676.2**	**316.2**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**109.2**	**73.4**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**1,980.1**	**1,343.8**
	Erosion Height (ft.):	**3.8**	**4.7**
	Revetment Type:	**Rip-Rap**	**Rip-Rap**
	Revetment length	**105.9**	**69.4**
3.2	Buffer Less Than 25 ft.		
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):	**40.4**	**40.4**
	Mass Failures:	**Multiple**	
	Average Heigh (ft.):	**40.4**	
	Gullies:	**None**	
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies	**0.0**	

Step	Description	Value
4.4	Number of Debris Jams:	**3**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	

Overland Flow	**0**	Road Ditch	**0**
Field Ditch	**0**	Tile Drain	**0**
Other	**4**	Ub Strm Wtr Pipe	**0**

4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**18**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**None**
	Length (ft.):	**0.0**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T12.03 -A**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**373.6**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**0.0**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**261.9**	**0.0**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**117.3**	**89.2**
	Erosion Height (ft.):	**4.4**	**3.7**
	Revetment Type:	**Rip-Rap**	**None**
	Revetment length	**41.6**	**0.0**
3.2	Buffer Less Than 25 ft.	**0**	**0**
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	**None**	
	Average Heigh (ft.):		
	Gullies:	**None**	
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies		

Step	Description	Value
4.4	Number of Debris Jams:	**3**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	

Overland Flow	**0**	Road Ditch	**0**
Field Ditch	**0**	Tile Drain	**0**
Other	**2**	Ub Strm Wtr Pipe	**0**

4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**1**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**1**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**Yes**
5.5	Channel Alterations	
	Straightening:	**None**
	Length (ft.):	**0.0**
	Dredging:	**Dredging**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T3.01 -A**

Step	Description	Value
1.2	Alluvial Fan:	**None**
1.3	Encroachments - Side	One / Both
	Berm Length (ft.):	**23.2** / **0.0**
	Path Length (ft.):	**0.0** / **0.0**
	Road Length (ft.):	**0.0** / **0.0**
	Railroad Lenth (ft.):	**0.0** / **0.0**
	Development Length:	**0.0** / **0.0**
3.1	Erosion - Bank	Left / Right
	Erosion Length (ft.):	**750.9** / **475.1**
	Erosion Height (ft.):	**2.9** / **3.4**
	Revetment Type:	**Multiple** / **Multiple**
	Revetment length	**168.8** / **485.6**
3.2	Buffer Less Than 25 ft.	**648** / **627**
3.3	Riparian Corridor	Left / Right
	Mass Failures:	**50.82751**
	Average Height (ft.):	**15.0**
	Mass Failures:	**One**
	Average Heigh (ft.):	**15.0**
	Gullies:	**None**
	Number of Gullies	**0**
	Total Length of Gullies (ft.):	**0.0**
	Average Height of Gullies	

Step	Description	Value
4.4	Number of Debris Jams:	**1**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**2**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**3**
	Head Cuts:	**1**
5.4	Animal Crossings:	**Yes**
5.5	Channel Alterations	
	Straightening:	**Straightening**
	Length (ft.):	**1,093.1**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T13.02 -0**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**4,437.5**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**0.0**	**0.0**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**324.0**	**163.5**
	Erosion Height (ft.):	**4.8**	**9.1**
	Revetment Type:	**None**	**None**
	Revetment length	**0.0**	**0.0**
3.2	Buffer Less Than 25 ft.	**0**	**0**
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	**None**	
	Average Heigh (ft.):		
	Gullies:	**None**	
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies		

Step	Description	Value
4.4	Number of Debris Jams:	**4**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	

Overland Flow	**0**	Road Ditch	**0**
Field Ditch	**0**	Tile Drain	**0**
Other	**4**	Ub Strm Wtr Pipe	**0**

4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**4**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**1**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**None**
	Length (ft.):	**0.0**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **M08 -0**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**1,319.6**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**1,465.8**	**0.0**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**81.3**	**42.7**
	Erosion Height (ft.):	**5.0**	**5.0**
	Revetment Type:	**None**	**Rip-Rap**
	Revetment length	**0.0**	**178.7**
3.2	Buffer Less Than 25 ft.	**0**	**1475**
3.3	Riparian Corridor	Left	Right
	Mass Failures:	**135.6728**	
	Average Height (ft.):	**15.0**	
	Mass Failures:	**One**	
	Average Heigh (ft.):	**15.0**	
	Gullies:	**None**	
	Number of Gullies	**0**	
	Total Length of Gullies (ft.):	**0.0**	
	Average Height of Gullies		

Step	Description	Value
4.4	Number of Debris Jams:	**0**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**0**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**Straightening**
	Length (ft.):	**1,134.5**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **M03 -0**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**3,486.2**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**0.0**	**0.0**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**659.9**	**501.0**
	Erosion Height (ft.):	**3.1**	**7.0**
	Revetment Type:	**Rip-Rap**	**None**
	Revetment length	**983.6**	**0.0**
3.2	Buffer Less Than 25 ft.	**3042**	**0**
3.3	Riparian Corridor	Left	Right
	Mass Failures:		**73.73038**
	Average Height (ft.):		**25.0**
	Mass Failures:	**One**	
	Average Heigh (ft.):	**25.0**	
	Gullies:	**None**	
	Number of Gullies	**0**	
	Total Length of Gullies (ft.):	**0.0**	
	Average Height of Gullies		

Step	Description	Value
4.4	Number of Debris Jams:	**0**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	

Overland Flow	**0**	Road Ditch	**2**
Field Ditch	**0**	Tile Drain	**0**
Other	**0**	Ub Strm Wtr Pipe	**0**

4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**1**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**Straightening**
	Length (ft.):	**967.7**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T1.01 -A**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**1,673.9**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**337.2**	**0.0**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**168.9**	**190.8**
	Erosion Height (ft.):	**3.9**	**3.2**
	Revetment Type:	**Multiple**	**Rip-Rap**
	Revetment length	**337.3**	**37.6**
3.2	Buffer Less Than 25 ft.	**409**	**26**
3.3	Riparian Corridor	Left	Right
	Mass Failures:	**21.72099**	**29.80509**
	Average Height (ft.):	**20.0**	**15.0**
	Mass Failures:	**Multiple**	
	Average Heigh (ft.):	**17.5**	
	Gullies:	**None**	
	Number of Gullies	**0**	
	Total Length of Gullies (ft.):	**0.0**	
	Average Height of Gullies		

Step	Description	Value
4.4	Number of Debris Jams:	**1**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	

Overland Flow	**0**	Road Ditch	**4**
Field Ditch	**0**	Tile Drain	**0**
Other	**0**	Ub Strm Wtr Pipe	**0**

4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**4**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**1**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**Straightening**
	Length (ft.):	**666.5**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T3.01 -C**

Step	Description	Value
1.2	Alluvial Fan:	**None**
1.3	Encroachments - Side	One / Both
	Berm Length (ft.):	**340.6** / **0.0**
	Path Length (ft.):	**0.0** / **0.0**
	Road Length (ft.):	**0.0** / **187.3**
	Railroad Lenth (ft.):	**0.0** / **0.0**
	Development Length:	**1,006.5** / **318.3**
3.1	Erosion - Bank	Left / Right
	Erosion Length (ft.):	**1,003.0** / **1,103.8**
	Erosion Height (ft.):	**3.8** / **4.3**
	Revetment Type:	**Rip-Rap** / **Rip-Rap**
	Revetment length	**99.9** / **112.2**
3.2	Buffer Less Than 25 ft.	**635** / **258**
3.3	Riparian Corridor	Left / Right
	Mass Failures:	**5.109276**
	Average Height (ft.):	**20.0**
	Mass Failures:	**One**
	Average Heigh (ft.):	**20.0**
	Gullies:	**None**
	Number of Gullies	**0**
	Total Length of Gullies (ft.):	**0.0**
	Average Height of Gullies	

Step	Description	Value
4.4	Number of Debris Jams:	**2**
4.5	Flow Regulation Type:	**Small Withdrawal**
	Use:	**Other**
4.7	Stormwater Inputs	
	Overland Flow: **1**	Road Ditch: **0**
	Field Ditch: **0**	Tile Drain: **0**
	Other: **0**	Ub Strm Wtr Pipe: **0**
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**6**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**2**
	Head Cuts:	**1**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**With Windrowing**
	Length (ft.):	**1,115.4**
	Dredging:	**Dredging,Gravel Mining**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T9.3-S2.01 -A**

Step	Description	Value
1.2	Alluvial Fan:	**Yes**
1.3	Encroachments - Side	One / Both
	Berm Length (ft.):	**0.0** / **0.0**
	Path Length (ft.):	**0.0** / **0.0**
	Road Length (ft.):	**46.8** / **0.0**
	Railroad Lenth (ft.):	**0.0** / **0.0**
	Development Length:	**207.5** / **0.0**
3.1	Erosion - Bank	Left / Right
	Erosion Length (ft.):	**364.9** / **654.1**
	Erosion Height (ft.):	**2.0** / **2.5**
	Revetment Type:	**Rip-Rap** / **Rip-Rap**
	Revetment length	**29.9** / **33.6**
3.2	Buffer Less Than 25 ft.	
3.3	Riparian Corridor	Left / Right
	Mass Failures:	
	Average Height (ft.):	**50.0** / **50.0**
	Mass Failures:	**Multiple**
	Average Heigh (ft.):	**50.0**
	Gullies:	**None**
	Number of Gullies	
	Total Length of Gullies (ft.):	
	Average Height of Gullies	**0.0**

Step	Description	Value
4.4	Number of Debris Jams:	**2**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	

Overland Flow	**0**	Road Ditch	**0**
Field Ditch	**0**	Tile Drain	**0**
Other	**1**	Ub Strm Wtr Pipe	**0**

4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**1**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**None**
	Length (ft.):	**0.0**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **M22 -0**

Step	Description	Value
1.2	Alluvial Fan:	**None**
1.3	Encroachments - Side	One / Both
	Berm Length (ft.):	**0.0** / **0.0**
	Path Length (ft.):	**0.0** / **0.0**
	Road Length (ft.):	**699.3** / **0.0**
	Railroad Lenth (ft.):	**0.0** / **0.0**
	Development Length:	**0.0** / **0.0**
3.1	Erosion - Bank	Left / Right
	Erosion Length (ft.):	**101.8** / **95.9**
	Erosion Height (ft.):	**5.0** / **5.0**
	Revetment Type:	**Rip-Rap** / **Rip-Rap**
	Revetment length	**317.9** / **319.5**
3.2	Buffer Less Than 25 ft.	**0** / **0**
3.3	Riparian Corridor	Left / Right
	Mass Failures:	
	Average Height (ft.):	
	Mass Failures:	**None**
	Average Heigh (ft.):	
	Gullies:	**None**
	Number of Gullies	
	Total Length of Gullies (ft.):	
	Average Height of Gullies	

Step	Description	Value
4.4	Number of Debris Jams:	**1**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**1**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**2**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**None**
	Length (ft.):	**0.0**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T12.01 -0**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**0.0**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**130.1**	**0.0**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**0.0**	**93.3**
	Erosion Height (ft.):	**0.0**	**5.0**
	Revetment Type:	**None**	**None**
	Revetment length	**0.0**	**0.0**
3.2	Buffer Less Than 25 ft.	**0**	**0**
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	**None**	
	Average Heigh (ft.):		
	Gullies:	**None**	
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies		

Step	Description	Value
4.4	Number of Debris Jams:	**1**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**1**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**None**
	Length (ft.):	**0.0**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **M20 -C**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**0.0**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**546.8**	**0.0**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**79.7**	**0.0**
	Erosion Height (ft.):	**3.0**	**0.0**
	Revetment Type:	**Rip-Rap**	**Rip-Rap**
	Revetment length	**91.6**	**92.7**
3.2	Buffer Less Than 25 ft.	**0**	**0**
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	**None**	
	Average Heigh (ft.):		
	Gullies:	**None**	
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies		

Step	Description	Value
4.4	Number of Debris Jams:	**0**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**0**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**1**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**None**
	Length (ft.):	**0.0**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **M04 -0**

Step	Description	Value
1.2	Alluvial Fan:	**None**
1.3	Encroachments - Side	One / Both
	Berm Length (ft.):	**0.0** / **0.0**
	Path Length (ft.):	**0.0** / **0.0**
	Road Length (ft.):	**9,055.2** / **0.0**
	Railroad Lenth (ft.):	**0.0** / **0.0**
	Development Length:	**1,589.5** / **672.8**
3.1	Erosion - Bank	Left / Right
	Erosion Length (ft.):	**206.2** / **360.5**
	Erosion Height (ft.):	**6.3** / **3.7**
	Revetment Type:	**Rip-Rap** / **Rip-Rap**
	Revetment length	**1,832.7** / **246.4**
3.2	Buffer Less Than 25 ft.	**7072** / **1118**
3.3	Riparian Corridor	Left / Right
	Mass Failures:	**587.0739**
	Average Height (ft.):	**41.5**
	Mass Failures:	**Multiple**
	Average Heigh (ft.):	**40.0**
	Gullies:	**None**
	Number of Gullies	**0**
	Total Length of Gullies (ft.):	**0.0**
	Average Height of Gullies	

Step	Description	Value
4.4	Number of Debris Jams:	**0**
4.5	Flow Regulation Type:	**Small Run of River**
	Use:	**Other**
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**2**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**Straightening**
	Length (ft.):	**6,918.8**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T9.01 -0**

Step	Description	Value	
1.2	Alluvial Fan:	**Yes**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**195.1**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**477.1**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**498.2**	**97.4**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**465.8**	**795.7**
	Erosion Height (ft.):	**2.4**	**4.1**
	Revetment Type:	**Rip-Rap**	**None**
	Revetment length	**376.3**	**0.0**
3.2	Buffer Less Than 25 ft.		
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):	**0.0**	**0.0**
	Mass Failures:	**None**	
	Average Heigh (ft.):	**0.0**	
	Gullies:	**None**	
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies	**0.0**	

Step	Description	Value
4.4	Number of Debris Jams:	**0**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**0**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**Straightening**
	Length (ft.):	**631.6**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T9.02 -0**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**0.0**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**124.5**	**0.0**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**513.9**	**330.2**
	Erosion Height (ft.):	**5.1**	**3.5**
	Revetment Type:	**None**	**None**
	Revetment length	**0.0**	**0.0**
3.2	Buffer Less Than 25 ft.		
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):	**39.8**	**39.8**
	Mass Failures:	**Multiple**	
	Average Heigh (ft.):	**39.8**	
	Gullies:	**None**	
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies	**0.0**	

Step	Description	Value
4.4	Number of Debris Jams:	**4**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**4**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**1**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**None**
	Length (ft.):	**0.0**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T1.01 -B**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**0.0**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**0.0**	**0.0**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**284.7**	**151.0**
	Erosion Height (ft.):	**2.6**	**1.6**
	Revetment Type:	**Rip-Rap**	**Multiple**
	Revetment length	**22.6**	**19.0**
3.2	Buffer Less Than 25 ft.	**0**	**0**
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	**None**	
	Average Heigh (ft.):		
	Gullies:	**None**	
	Number of Gullies	**0**	
	Total Length of Gullies (ft.):	**0.0**	
	Average Height of Gullies		

Step	Description	Value
4.4	Number of Debris Jams:	**0**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**10**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**3**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**None**
	Length (ft.):	**0.0**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T12.2-S1.01 -0**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**0.0**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**0.0**	**0.0**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**0.0**	**0.0**
	Erosion Height (ft.):	**0.0**	**0.0**
	Revetment Type:	**None**	**None**
	Revetment length	**0.0**	**0.0**
3.2	Buffer Less Than 25 ft.	**0**	**0**
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	**None**	
	Average Heigh (ft.):		
	Gullies:	**None**	
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies		

Step	Description	Value
4.4	Number of Debris Jams:	**6**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**1**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**Yes**
5.5	Channel Alterations	
	Straightening:	**None**
	Length (ft.):	**0.0**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T5.02 -B**

Step	Description	Value
1.2	Alluvial Fan:	**None**
1.3	Encroachments - Side	One / Both
	Berm Length (ft.):	**0.0** / **0.0**
	Path Length (ft.):	**0.0** / **0.0**
	Road Length (ft.):	**0.0** / **0.0**
	Railroad Lenth (ft.):	**0.0** / **0.0**
	Development Length:	**0.0** / **0.0**
3.1	Erosion - Bank	Left / Right
	Erosion Length (ft.):	**559.4** / **1,409.7**
	Erosion Height (ft.):	**4.1** / **3.1**
	Revetment Type:	**None** / **None**
	Revetment length	**0.0** / **0.0**
3.2	Buffer Less Than 25 ft.	
3.3	Riparian Corridor	Left / Right
	Mass Failures:	
	Average Height (ft.):	**20.0** / **20.0**
	Mass Failures:	**One**
	Average Heigh (ft.):	**20.0**
	Gullies:	**None**
	Number of Gullies	
	Total Length of Gullies (ft.):	
	Average Height of Gullies	**0.0**

Step	Description	Value
4.4	Number of Debris Jams:	**0**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**4**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**Yes**
5.5	Channel Alterations	
	Straightening:	**Straightening**
	Length (ft.):	**1,106.1**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **M19 -B**

Step	Description	Value
1.2	Alluvial Fan:	**None**
1.3	Encroachments - Side	One / Both
	Berm Length (ft.):	**0.0** / **0.0**
	Path Length (ft.):	**0.0** / **0.0**
	Road Length (ft.):	**274.6** / **1,016.8**
	Railroad Lenth (ft.):	**0.0** / **0.0**
	Development Length:	**438.8** / **59.1**
3.1	Erosion - Bank	Left / Right
	Erosion Length (ft.):	**370.3** / **0.0**
	Erosion Height (ft.):	**5.8** / **0.0**
	Revetment Type:	**Rip-Rap** / **Rip-Rap**
	Revetment length	**290.2** / **405.4**
3.2	Buffer Less Than 25 ft.	
3.3	Riparian Corridor	Left / Right
	Mass Failures:	
	Average Height (ft.):	**0.0** / **0.0**
	Mass Failures:	**None**
	Average Heigh (ft.):	**0.0**
	Gullies:	**None**
	Number of Gullies	
	Total Length of Gullies (ft.):	
	Average Height of Gullies	**0.0**

Step	Description	Value
4.4	Number of Debris Jams:	**0**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	

Overland Flow	**0**	Road Ditch	**0**
Field Ditch	**0**	Tile Drain	**0**
Other	**2**	Ub Strm Wtr Pipe	**0**

4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**1**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**Straightening**
	Length (ft.):	**921.0**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T12.2-S2.01 -0**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**0.0**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**0.0**	**0.0**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**0.0**	**163.9**
	Erosion Height (ft.):	**0.0**	**4.1**
	Revetment Type:	**None**	**None**
	Revetment length	**0.0**	**0.0**
3.2	Buffer Less Than 25 ft.	**0**	**0**
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	**None**	
	Average Heigh (ft.):		
	Gullies:	**None**	
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies		

Step	Description	Value
4.4	Number of Debris Jams:	**7**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**3**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**None**
	Length (ft.):	**0.0**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T9.3-S1.01 -B**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**299.7**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**822.5**	**546.8**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**378.1**	**338.4**
	Erosion Height (ft.):	**2.5**	**2.5**
	Revetment Type:	**None**	**None**
	Revetment length	**0.0**	**0.0**
3.2	Buffer Less Than 25 ft.		
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):	**0.0**	**0.0**
	Mass Failures:	**None**	
	Average Heigh (ft.):	**0.0**	
	Gullies:	**None**	
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies	**0.0**	

Step	Description	Value
4.4	Number of Debris Jams:	**0**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**3**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**Straightening**
	Length (ft.):	**292.1**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T9.3-S1.01 -A**

Step	Description	Value
1.2	Alluvial Fan:	**Yes**

1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**0.0**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**382.9**	**127.1**

3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**475.8**	**61.2**
	Erosion Height (ft.):	**3.3**	**3.0**
	Revetment Type:	**None**	**None**
	Revetment length	**0.0**	**0.0**

3.2	Buffer Less Than 25 ft.		

3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):	**27.1**	**27.1**
	Mass Failures:	**Multiple**	
	Average Heigh (ft.):	**27.1**	
	Gullies:	**None**	
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies	**0.0**	

Step	Description	Value
4.4	Number of Debris Jams:	**2**
4.5	Flow Regulation Type:	**None**
	Use:	

4.7	Stormwater Inputs			
	Overland Flow	**0**	Road Ditch	**0**
	Field Ditch	**0**	Tile Drain	**0**
	Other	**3**	Ub Strm Wtr Pipe	**0**

4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**

5.2	Migration Features	
	Flood Chutes:	**0**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**

5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**None**
	Length (ft.):	**0.0**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T5.02 -A**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**0.0**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**0.0**	**0.0**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**365.2**	**463.1**
	Erosion Height (ft.):	**3.9**	**5.2**
	Revetment Type:	**None**	**None**
	Revetment length	**0.0**	**0.0**
3.2	Buffer Less Than 25 ft.		
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):	**33.4**	**33.4**
	Mass Failures:	**Multiple**	
	Average Heigh (ft.):	**33.4**	
	Gullies:	**None**	
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies	**0.0**	

Step	Description	Value
4.4	Number of Debris Jams:	**1**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**14**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**2**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**1**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**None**
	Length (ft.):	**0.0**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T9.03 -A**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**0.0**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**0.0**	**0.0**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**72.2**	**197.3**
	Erosion Height (ft.):	**12.0**	**8.3**
	Revetment Type:	**None**	**None**
	Revetment length	**0.0**	**0.0**
3.2	Buffer Less Than 25 ft.		
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):	**41.9**	**41.9**
	Mass Failures:	**Multiple**	
	Average Heigh (ft.):	**41.9**	
	Gullies:	**None**	
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies	**0.0**	

Step	Description	Value
4.4	Number of Debris Jams:	**6**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**2**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**1**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**None**
	Length (ft.):	**0.0**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **M19 -A**

Step	Description	Value
1.2	Alluvial Fan:	**None**
1.3	Encroachments - Side	One / Both
	Berm Length (ft.):	**0.0** / **0.0**
	Path Length (ft.):	**0.0** / **0.0**
	Road Length (ft.):	**656.3** / **1,434.1**
	Railroad Lenth (ft.):	**0.0** / **0.0**
	Development Length:	**899.3** / **142.4**
3.1	Erosion - Bank	Left / Right
	Erosion Length (ft.):	**0.0** / **0.0**
	Erosion Height (ft.):	**0.0** / **0.0**
	Revetment Type:	**Rip-Rap** / **Multiple**
	Revetment length	**619.7** / **334.1**
3.2	Buffer Less Than 25 ft.	
3.3	Riparian Corridor	Left / Right
	Mass Failures:	
	Average Height (ft.):	**0.0** / **0.0**
	Mass Failures:	**None**
	Average Heigh (ft.):	**0.0**
	Gullies:	**None**
	Number of Gullies	
	Total Length of Gullies (ft.):	
	Average Height of Gullies	**0.0**

Step	Description	Value
4.4	Number of Debris Jams:	**0**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	

Overland Flow	**0**	Road Ditch	**0**
Field Ditch	**0**	Tile Drain	**0**
Other	**1**	Ub Strm Wtr Pipe	**0**

4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**0**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**Straightening**
	Length (ft.):	**1,180.3**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T12.03 -B**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**0.0**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**0.0**	**0.0**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**0.0**	**52.2**
	Erosion Height (ft.):	**0.0**	**6.0**
	Revetment Type:	**None**	**None**
	Revetment length	**0.0**	**0.0**
3.2	Buffer Less Than 25 ft.	**0**	**0**
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	**None**	
	Average Heigh (ft.):		
	Gullies:	**None**	
	Number of Gullies	**1**	
	Total Length of Gullies (ft.):		
	Average Height of Gullies		

Step	Description	Value
4.4	Number of Debris Jams:	**1**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**3**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**None**
	Length (ft.):	**0.0**
	Dredging:	**None**

VERMONT

Stream Geomorphic Assessment

Agency of Natural Resouces

VT DEC

Vermont.gov

April, 08 2026

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **M11 -0**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**6,031.6**	**855.4**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**2,954.9**	**0.0**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**4,441.8**	**3,238.6**
	Erosion Height (ft.):	**4.2**	**4.0**
	Revetment Type:	**Multiple**	**Rip-Rap**
	Revetment length	**2,271.3**	**2,866.1**
3.2	Buffer Less Than 25 ft.		
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):	**0.0**	**0.0**
	Mass Failures:	**None**	
	Average Heigh (ft.):	**0.0**	
	Gullies:	**None**	
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies	**0.0**	

Step	Description	Value
4.4	Number of Debris Jams:	**0**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	

Overland Flow	**0**	Road Ditch	**0**
Field Ditch	**0**	Tile Drain	**0**
Other	**1**	Ub Strm Wtr Pipe	**0**

4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**6**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**1**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**2**
	Head Cuts:	**0**
5.4	Animal Crossings:	**Yes**
5.5	Channel Alterations	
	Straightening:	**Straightening**
	Length (ft.):	**13,279.0**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **M09 -B**

Step	Description	Value	
1.2	Alluvial Fan:	**None**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**0.0**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**813.2**	**0.0**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**369.1**	**0.0**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**689.1**	**432.5**
	Erosion Height (ft.):	**6.0**	**5.8**
	Revetment Type:	**Rip-Rap**	**None**
	Revetment length	**405.4**	**0.0**
3.2	Buffer Less Than 25 ft.	**495**	**275**
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):		
	Mass Failures:	**None**	
	Average Heigh (ft.):		
	Gullies:	**None**	
	Number of Gullies	**0**	
	Total Length of Gullies (ft.):	**0.0**	
	Average Height of Gullies		

Step	Description	Value
4.4	Number of Debris Jams:	**0**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	
Overland Flow	Road Ditch	
Field Ditch	Tile Drain	
Other	Ub Strm Wtr Pipe	
4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**1**
	Neck Cutoffs:	**1**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**1**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**Straightening**
	Length (ft.):	**722.4**
	Dredging:	**None**

Phase 2 - FIT - Legacy Data Report

Mad River

SGAT Version: **4.56**

Reach: **T9.3-S2.01 -B**

Step	Description	Value	
1.2	Alluvial Fan:	**Yes**	
1.3	Encroachments - Side	One	Both
	Berm Length (ft.):	**230.5**	**0.0**
	Path Length (ft.):	**0.0**	**0.0**
	Road Length (ft.):	**821.7**	**203.4**
	Railroad Lenth (ft.):	**0.0**	**0.0**
	Development Length:	**874.7**	**367.5**
3.1	Erosion - Bank	Left	Right
	Erosion Length (ft.):	**77.4**	**273.1**
	Erosion Height (ft.):	**3.0**	**3.5**
	Revetment Type:	**None**	**Rip-Rap**
	Revetment length	**0.0**	**163.8**
3.2	Buffer Less Than 25 ft.		
3.3	Riparian Corridor	Left	Right
	Mass Failures:		
	Average Height (ft.):	**0.0**	**0.0**
	Mass Failures:	**None**	
	Average Heigh (ft.):	**0.0**	
	Gullies:	**None**	
	Number of Gullies		
	Total Length of Gullies (ft.):		
	Average Height of Gullies	**0.0**	

Step	Description	Value
4.4	Number of Debris Jams:	**1**
4.5	Flow Regulation Type:	**None**
	Use:	
4.7	Stormwater Inputs	

Overland Flow	**0**	Road Ditch	**0**
Field Ditch	**0**	Tile Drain	**0**
Other	**1**	Ub Strm Wtr Pipe	**0**

4.9	Beaver Dams:	**0**
	Affected length (ft.):	**0.0**
5.2	Migration Features	
	Flood Chutes:	**3**
	Neck Cutoffs:	**0**
	Channel Avulsions:	**0**
	Braiding:	**0**
5.3	Steep Riffles and Head Cuts	
	Steep Riffles:	**0**
	Head Cuts:	**0**
5.4	Animal Crossings:	**No**
5.5	Channel Alterations	
	Straightening:	**None**
	Length (ft.):	**0.0**
	Dredging:	**None**