

REACH 1

T24S-R11W-S25SW

REACH 1

**Valley and Channel Summary**

Valley Characteristics (Percent Reach Length)

<u>Narrow Valley Floor</u>		<u>Broad Valley Floor</u>	
Steep V-shape	0%	Constraining Terraces	0%
Moderate V-shape	0%	Multiple Terraces	100%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	2.9	VWI Range:	2.6 - 3.3

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	0%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	Braided Channel	0%
Alt. Terrace/Hill	100%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	3,233	62,649	0
Secondary	305	2,380	2

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 5	<u>First Terrace</u> n = 5
Width: 14.4	Width: 26.8	33.6 ( 28 - 39 )	43.0 ( 32 - 56 )
Depth: 0.59	Height: 1.6	3.1 ( 2.9 - 3.4 )	5.7 ( 4 - 8.7 )

W:D ratio: 17.0

Stream Flow Type: MF

Average Unit Gradient: 0.8%

Water temperature (°C): 64.0 - 64.0

Entrenchment (ACW:FPW ratio): 1.3

Habitat Units/100m (total channel length): 1.8

Habitat Units/100m (primary channel length): 2.0

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	RR
Riparian Vegetation:	D30	G

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	6%	Reach avg: 72%
Undercut Banks:	2%	Range: 56 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m primary channel</u>
All pieces (>=3m x 0.15m):	147	4.5
Volume (m <sup>3</sup> ):	138	4.3
Key pieces (>=12m x 0.60m):	3	0.1

REACH 2

T25S-R11W-S01NE

REACH 2

**Valley and Channel Summary**

Valley Characteristics (Percent Reach Length)

<u>Narrow Valley Floor</u>		<u>Broad Valley Floor</u>	
Steep V-shape	0%	Constraining Terraces	0%
Moderate V-shape	0%	Multiple Terraces	100%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	2.8	VWI Range:	2.8 - 2.8

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	0%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	Braided Channel	0%
Alt. Terrace/Hill	100%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	620	12,322	0
Secondary	13	10	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 1	<u>First Terrace</u> n = 1
Width: 18.3	Width: 29.0	33.0 ( 33 - 33 )	37.0 ( 37 - 37 )
Depth: 0.50	Height: 1.5	3.0 ( 3 - 3 )	6.3 ( 6.3 - 6.3 )

W:D ratio: 19.3  
Stream Flow Type: MF  
Average Unit Gradient: 0.5%  
Water temperature (°C): 65.0 - 65.0

Entrenchment (ACW:FPW ratio): 1.1  
Habitat Units/100m (total channel length): 2.2  
Habitat Units/100m (primary channel length): 2.3

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	LT	ST
Riparian Vegetation:	D30	C50

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	12%	Reach avg: 73%
Undercut Banks:	0%	Range: 56 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m primary channel</u>
All pieces (>=3m x 0.15m):	33	5.3
Volume (m <sup>3</sup> ):	43	7.0
Key pieces (>=12m x 0.60m):	4	0.6

REACH 3

T25S-R11W-S01NE

REACH 3

**Valley and Channel Summary**

Valley Characteristics (Percent Reach Length)

<u>Narrow Valley Floor</u>		<u>Broad Valley Floor</u>	
Steep V-shape	0%	Constraining Terraces	0%
Moderate V-shape	100%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index 1.6		VWI Range: 1.5 - 1.7	

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	100%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	Braided Channel	0%
Alt. Terrace/Hill	0%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	527	7,659	0
Secondary	12	6	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 2	<u>First Terrace</u> n = 0
Width: 13.0	Width: 24.0	31.5 ( 28 - 35 )	( - )
Depth: 0.68	Height: 1.8	3.5 ( 3.4 - 3.6 )	( - )

W:D ratio: 13.7  
Stream Flow Type: MF  
Average Unit Gradient: 0.7%  
Water temperature (°C): 62.0 - 62.0

Entrenchment (ACW:FPW ratio): 1.3  
Habitat Units/100m (total channel length): 2.6  
Habitat Units/100m (primary channel length): 2.7

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	LT
Riparian Vegetation:	D30	C50

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	7%	Reach avg: 64%
Undercut Banks:	0%	Range: 47 - 81

Large Wood Debris

	<u>Total</u>	<u>Total / 100m primary channel</u>
All pieces (>=3m x 0.15m):	8	1.5
Volume (m <sup>3</sup> ):	11	2.0
Key pieces (>=12m x 0.60m):	2	0.4

REACH 4

T25S-R11W-S01SE

REACH 4

**Valley and Channel Summary**

Valley Characteristics (Percent Reach Length)

<u>Narrow Valley Floor</u>		<u>Broad Valley Floor</u>	
Steep V-shape	0%	Constraining Terraces	0%
Moderate V-shape	0%	Multiple Terraces	100%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	2.7	VWI Range:	2.6 - 2.8

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	0%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	Braided Channel	0%
Alt. Terrace/Hill	100%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	1,297	20,394	0
Secondary	16	22	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 2	<u>First Terrace</u> n = 2
Width: 12.5	Width: 22.5	29.0 ( 28 - 30 )	33.0 ( 33 - 33 )
Depth: 0.62	Height: 1.6	3.1 ( 3 - 3.2 )	4.5 ( 3.4 - 5.5 )

W:D ratio: 14.5  
Stream Flow Type: MF  
Average Unit Gradient: 0.5%  
Water temperature (°C): 63.0 - 63.0

Entrenchment (ACW:FPW ratio): 1.3  
Habitat Units/100m (total channel length): 2.0  
Habitat Units/100m (primary channel length): 2.0

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	TH
Riparian Vegetation:	D30	S

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	13%	Reach avg: 77%
Undercut Banks:	0%	Range: 61 - 94

Large Wood Debris

	<u>Total</u>	<u>Total / 100m primary channel</u>
All pieces (>=3m x 0.15m):	121	9.3
Volume (m <sup>3</sup> ):	86	6.6
Key pieces (>=12m x 0.60m):	1	0.1

REACH 5

T25S-R11W-S12NE

REACH 5

**Valley and Channel Summary**

Valley Characteristics (Percent Reach Length)

<u>Narrow Valley Floor</u>		<u>Broad Valley Floor</u>	
Steep V-shape	0%	Constraining Terraces	0%
Moderate V-shape	100%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	2.0	VWI Range:	1.6 - 2.2

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	100%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	Braided Channel	0%
Alt. Terrace/Hill	0%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	2,116	35,336	0
Secondary	68	422	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 4	<u>First Terrace</u> n = 3
Width: 14.7	Width: 24.8	31.3 ( 27 - 36 )	34.3 ( 32 - 37 )
Depth: 0.68	Height: 1.4	2.8 ( 2.5 - 3.2 )	4.2 ( 4 - 4.4 )

W:D ratio: 18.1  
Stream Flow Type: MF  
Average Unit Gradient: 0.6%  
Water temperature (°C): 60.0 - 60.0

Entrenchment (ACW:FPW ratio): 1.3  
Habitat Units/100m (total channel length): 1.7  
Habitat Units/100m (primary channel length): 1.8

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	LT
Riparian Vegetation:	D30	S

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	3%	Reach avg: 81%
Undercut Banks:	0%	Range: 61 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m primary channel</u>
All pieces (>=3m x 0.15m):	83	3.9
Volume (m <sup>3</sup> ):	82	3.9
Key pieces (>=12m x 0.60m):	2	0.1

REACH 1

T25s-R10w-S06se

REACH 1

**Valley and Channel Summary**

Valley Characteristics (Percent Reach Length)

<u>Narrow Valley Floor</u>		<u>Broad Valley Floor</u>	
Steep V-shape	0%	Constraining Terraces	0%
Moderate V-shape	100%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	1.8	VWI Range:	1.4 - 2.1

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	100%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	Braided Channel	0%
Alt. Terrace/Hill	0%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	2,128	34,820	0
Secondary	163	595	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 6	<u>First Terrace</u> n = 4
Width: 14.4	Width: 26.8	33.3 ( 29 - 43 )	39.5 ( 29 - 48 )
Depth: 0.54	Height: 1.1	2.2 ( 1.8 - 2.6 )	3.2 ( 2.2 - 4.5 )

W:D ratio: 25.0  
 Stream Flow Type: MF  
 Average Unit Gradient: 1.2%  
 Water temperature (°C): 50.0 - 50.0

Entrenchment (ACW:FPW ratio): 1.3  
 Habitat Units/100m (total channel length): 2.6  
 Habitat Units/100m (primary channel length): 2.8

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	YT
Riparian Vegetation:	D30	S

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	5%	Reach avg: 83%
Undercut Banks:	1%	Range: 56 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m primary channel</u>
All pieces (>=3m x 0.15m):	252	11.8
Volume (m <sup>3</sup> ):	253	11.9
Key pieces (>=12m x 0.60m):	11	0.5

REACH 2

T25s-R10w-S08se

REACH 2

**Valley and Channel Summary**

Valley Characteristics (Percent Reach Length)

<u>Narrow Valley Floor</u>		<u>Broad Valley Floor</u>	
Steep V-shape	0%	Constraining Terraces	0%
Moderate V-shape	100%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	1.6	VWI Range:	1.2 - 2

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	100%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	Braided Channel	0%
Alt. Terrace/Hill	0%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	3,060	38,279	0
Secondary	133	544	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 8	<u>First Terrace</u> n = 3
Width: 10.9	Width: 19.9	26.6 ( 17 - 31 )	27.0 ( 19 - 33 )
Depth: 0.53	Height: 1.0	2.0 ( 1.8 - 2.4 )	2.2 ( 2 - 2.33 )

W:D ratio: 20.0  
 Stream Flow Type: LF  
 Average Unit Gradient: 0.8%  
 Water temperature (°C): 54.0 - 54.0

Entrenchment (ACW:FPW ratio): 1.3  
 Habitat Units/100m (total channel length): 2.6  
 Habitat Units/100m (primary channel length): 2.7

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	YT
Riparian Vegetation:	D30	S

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	2%	Reach avg: 84%
Undercut Banks:	1%	Range: 53 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m primary channel</u>
All pieces (>=3m x 0.15m):	358	11.7
Volume (m <sup>3</sup> ):	243	8.0
Key pieces (>=12m x 0.60m):	6	0.2

REACH 3

T25s-R10w-S09ne

REACH 3

**Valley and Channel Summary**

Valley Characteristics (Percent Reach Length)

<u>Narrow Valley Floor</u>		<u>Broad Valley Floor</u>	
Steep V-shape	0%	Constraining Terraces	0%
Moderate V-shape	100%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	1.7	VWI Range:	1.2 - 2.3

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	100%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	Braided Channel	0%
Alt. Terrace/Hill	0%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	3,537	38,713	0
Secondary	458	2,266	1

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 15	<u>First Terrace</u> n = 12
Width: 9.5	Width: 17.4	21.1 ( 15 - 28 )	25.0 ( 18 - 33 )
Depth: 0.54	Height: 0.9	1.7 ( 1.6 - 2 )	2.5 ( 1.9 - 5.4 )

W:D ratio: 20.0  
Stream Flow Type: LF  
Average Unit Gradient: 2.0%  
Water temperature (°C): 54.0 - 54.0

Entrenchment (ACW:FPW ratio): 1.2  
Habitat Units/100m (total channel length): 3.7  
Habitat Units/100m (primary channel length): 4.2

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	YT
Riparian Vegetation:	D30	G

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	6%	Reach avg: 90%
Undercut Banks:	2%	Range: 64 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m primary channel</u>
All pieces (>=3m x 0.15m):	376	10.6
Volume (m <sup>3</sup> ):	481	13.6
Key pieces (>=12m x 0.60m):	20	0.6



REACH 4

T25s-R10w-S02ww

REACH 4

**Valley and Channel Summary**

Valley Characteristics (Percent Reach Length)

<u>Narrow Valley Floor</u>		<u>Broad Valley Floor</u>	
Steep V-shape	0%	Constraining Terraces	0%
Moderate V-shape	100%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	1.3	VWI Range:	1.2 - 1.3

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	100%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	Braided Channel	0%
Alt. Terrace/Hill	0%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	725	6,298	0
Secondary	59	93	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 3	<u>First Terrace</u> n = 0
Width: 7.6	Width: 13.5	16.2 ( 15 - 18.5 )	( - )
Depth: 0.65	Height: 1.0	2.1 ( 2 - 2.2 )	( - )

W:D ratio: 13.1  
 Stream Flow Type: LF  
 Average Unit Gradient: 2.9%  
 Water temperature (°C): 58.0 - 58.0

Entrenchment (ACW:FPW ratio): 1.2  
 Habitat Units/100m (total channel length): 4.8  
 Habitat Units/100m (primary channel length): 5.2

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	LT
Riparian Vegetation:	D30	G

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	2%	Reach avg: 89%
Undercut Banks:	0%	Range: 50 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m primary channel</u>
All pieces (>=3m x 0.15m):	39	5.4
Volume (m <sup>3</sup> ):	50	6.9
Key pieces (>=12m x 0.60m):	2	0.3

REACH 5

T25s-R10w-S02nn

REACH 5

**Valley and Channel Summary**

Valley Characteristics (Percent Reach Length)

<u>Narrow Valley Floor</u>		<u>Broad Valley Floor</u>	
Steep V-shape	100%	Constraining Terraces	0%
Moderate V-shape	0%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	1.4	VWI Range:	1.2 - 1.6

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	100%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	Braided Channel	0%
Alt. Terrace/Hill	0%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	1,288	10,659	0
Secondary	104	124	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 6	<u>First Terrace</u> n = 0
Width: 7.5	Width: 14.3	18.3 ( 15 - 22 )	( - )
Depth: 0.57	Height: 0.8	1.7 ( 1.6 - 1.8 )	( - )

W:D ratio: 17.4  
Stream Flow Type: LF  
Average Unit Gradient: 3.2%  
Water temperature (°C): 57.0 - 57.0

Entrenchment (ACW:FPW ratio): 1.3  
Habitat Units/100m (total channel length): 4.9  
Habitat Units/100m (primary channel length): 5.3

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	
Riparian Vegetation:	D15	G

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	3%	Reach avg: 95%
Undercut Banks:	0%	Range: 78 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m primary channel</u>
All pieces (>=3m x 0.15m):	186	14.4
Volume (m <sup>3</sup> ):	198	15.4
Key pieces (>=12m x 0.60m):	6	0.5

REACH 1

T25S-R10W-S58SW

REACH 1

**Valley and Channel Summary**

Valley Characteristics (Percent Reach Length)

<u>Narrow Valley Floor</u>		<u>Broad Valley Floor</u>	
Steep V-shape	100%	Constraining Terraces	0%
Moderate V-shape	0%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	1.3	VWI Range:	1.2 - 1.5

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	100%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	Braided Channel	0%
Alt. Terrace/Hill	0%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	668	1,264	0
Secondary	0	0	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 3	<u>First Terrace</u> n = 0
Width: 1.9	Width: 4.5	6.3 ( 5.5 - 7 )	( - )
Depth: 0.14	Height: 0.4	0.8 ( 0.8 - 0.9 )	( - )

W:D ratio: 10.8  
Stream Flow Type: MF  
Average Unit Gradient: 11.5%  
Water temperature (°C): 56.0 - 56.0

Entrenchment (ACW:FPW ratio): 1.4  
Habitat Units/100m (total channel length): 4.5  
Habitat Units/100m (primary channel length): 4.5

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	LT
Riparian Vegetation:	D30	S

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	35%	Reach avg: 97%
Undercut Banks:	10%	Range: 75 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m primary channel</u>
All pieces (>=3m x 0.15m):	142	21.3
Volume (m <sup>3</sup> ):	353	52.9
Key pieces (>=12m x 0.60m):	6	0.9

REACH 1

T25S-R10W-S08SW

REACH 1

**Valley and Channel Summary**

Valley Characteristics (Percent Reach Length)

<u>Narrow Valley Floor</u>		<u>Broad Valley Floor</u>	
Steep V-shape	100%	Constraining Terraces	0%
Moderate V-shape	0%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	1.1	VWI Range:	1.1 - 1.1

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	100%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	Braided Channel	0%
Alt. Terrace/Hill	0%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	155	349	0
Secondary	0	0	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 1	<u>First Terrace</u> n = 0
Width: 2.4	Width: 4.0	5.5 ( 5.5 - 5.5 )	( - )
Depth: 0.25	Height: 0.5	0.9 ( 0.9 - 0.9 )	( - )

W:D ratio: 8.9  
Stream Flow Type: MF  
Average Unit Gradient: 14.3%  
Water temperature (°C): 56.0 - 56.0

Entrenchment (ACW:FPW ratio): 1.4  
Habitat Units/100m (total channel length): 8.4  
Habitat Units/100m (primary channel length): 8.4

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	LT
Riparian Vegetation:	D30	S

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	10%	Reach avg: 100%
Undercut Banks:	1%	Range: 97 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m primary channel</u>
All pieces (>=3m x 0.15m):	22	14.2
Volume (m <sup>3</sup> ):	29	18.8
Key pieces (>=12m x 0.60m):	2	1.3

REACH 1

T25S-R10W-S09SW

REACH 1

**Valley and Channel Summary**

Valley Characteristics (Percent Reach Length)

<u>Narrow Valley Floor</u>		<u>Broad Valley Floor</u>	
Steep V-shape	100%	Constraining Terraces	0%
Moderate V-shape	0%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	1.6	VWI Range:	1 - 2

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	100%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	Braided Channel	0%
Alt. Terrace/Hill	0%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	1,271	2,253	1
Secondary	0	0	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 6	<u>First Terrace</u> n = 0
Width: 1.9	Width: 4.5	7.1 ( 5.5 - 8.5 )	( - )
Depth: 0.21	Height: 0.4	0.8 ( 0.6 - 0.9 )	( - )

W:D ratio: 11.9  
 Stream Flow Type: MF  
 Average Unit Gradient: 8.2%  
 Water temperature (°C): 54.0 - 54.0

Entrenchment (ACW:FPW ratio): 1.6  
 Habitat Units/100m (total channel length): 5.0  
 Habitat Units/100m (primary channel length): 5.0

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	LT
Riparian Vegetation:	D15	P

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	18%	Reach avg: 100%
Undercut Banks:	3%	Range: 89 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m primary channel</u>
All pieces (>=3m x 0.15m):	129	10.1
Volume (m <sup>3</sup> ):	144	11.4
Key pieces (>=12m x 0.60m):	6	0.5

REACH 1

T25s-R10w-S09sw

REACH 1

**Valley and Channel Summary**

Valley Characteristics (Percent Reach Length)

<u>Narrow Valley Floor</u>		<u>Broad Valley Floor</u>	
Steep V-shape	0%	Constraining Terraces	0%
Moderate V-shape	100%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	1.3	VWI Range:	1.1 - 1.9

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	100%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	Braided Channel	0%
Alt. Terrace/Hill	0%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	1,204	2,682	4
Secondary	0	0	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 6	<u>First Terrace</u> n = 0
Width: 2.6	Width: 3.9	5.5 ( 4.5 - 6.5 )	( - 0 )
Depth: 0.17	Height: 0.4	0.8 ( 0.7 - 0.9 )	( - 0 )

W:D ratio: 10.0  
 Stream Flow Type: MF  
 Average Unit Gradient: 9.7%  
 Water temperature (°C): 55.0 - 55.0

Entrenchment (ACW:FPW ratio): 1.4  
 Habitat Units/100m (total channel length): 5.7  
 Habitat Units/100m (primary channel length): 5.7

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	LT
Riparian Vegetation:	D15	P

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	41%	Reach avg: 100%
Undercut Banks:	11%	Range: 83 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m primary channel</u>
All pieces (>=3m x 0.15m):	112	9.3
Volume (m <sup>3</sup> ):	157	13.0
Key pieces (>=12m x 0.60m):	2	0.2

REACH 1

T00a-R00a-S00aa

REACH 1

**Valley and Channel Summary**

Valley Characteristics (Percent Reach Length)

<u>Narrow Valley Floor</u>		<u>Broad Valley Floor</u>	
Steep V-shape	0%	Constraining Terraces	100%
Moderate V-shape	0%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	3.7	VWI Range:	3 - 4.5

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	0%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	Braided Channel	0%
Alt. Terrace/Hill	100%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	943	10,704	0
Secondary	0	0	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 3	<u>First Terrace</u> n = 3
Width: 11.1	Width: 14.7	17.0 ( 11 - 21 )	22.3 ( 15 - 30 )
Depth: 0.58	Height: 0.9	1.8 ( 1.6 - 2 )	4.9 ( 2.2 - 6.4 )

W:D ratio: 16.8

Entrenchment (ACW:FPW ratio): 1.2

Stream Flow Type: LF

Habitat Units/100m (total channel length): 3.6

Average Unit Gradient: 1.4%

Habitat Units/100m (primary channel length): 3.6

Water temperature (°C): 63.0 - 63.0

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	RR	LT
Riparian Vegetation:	M50	S

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	5%	Reach avg: 83%
Undercut Banks:	0%	Range: 58 - 97

Large Wood Debris

	<u>Total</u>	<u>Total / 100m primary channel</u>
All pieces (>=3m x 0.15m):	54	5.7
Volume (m <sup>3</sup> ):	42	4.5
Key pieces (>=12m x 0.60m):	1	0.1

REACH 2

T00a-R00a-S00aa

REACH 2

**Valley and Channel Summary**

Valley Characteristics (Percent Reach Length)

<u>Narrow Valley Floor</u>		<u>Broad Valley Floor</u>	
Steep V-shape	0%	Constraining Terraces	0%
Moderate V-shape	100%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	2.3	VWI Range:	2.3 - 2.3

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	100%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	Braided Channel	0%
Alt. Terrace/Hill	0%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	255	3,143	0
Secondary	0	0	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 1	<u>First Terrace</u> n = 1
Width: 9.6	Width: 18.0	22.0 ( 22 - 22 )	24.0 ( 24 - 24 )
Depth: 0.59	Height: 0.9	1.8 ( 1.8 - 1.8 )	2.3 ( 2.3 - 2.3 )

W:D ratio: 20.0  
Stream Flow Type: LF  
Average Unit Gradient: 2.0%  
Water temperature (°C): 62.0 - 62.0

Entrenchment (ACW:FPW ratio): 1.2  
Habitat Units/100m (total channel length): 3.9  
Habitat Units/100m (primary channel length): 3.9

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	YT	ST
Riparian Vegetation:	D15	C50

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	0%	Reach avg: 70%
Undercut Banks:	0%	Range: 61 - 86

Large Wood Debris

	<u>Total</u>	<u>Total / 100m primary channel</u>
All pieces (>=3m x 0.15m):	13	5.1
Volume (m <sup>3</sup> ):	6	2.5
Key pieces (>=12m x 0.60m):	0	0.0



REACH 3

T00a-R00a-S00aa

REACH 3

**Valley and Channel Summary**

Valley Characteristics (Percent Reach Length)

<u>Narrow Valley Floor</u>		<u>Broad Valley Floor</u>	
Steep V-shape	0%	Constraining Terraces	100%
Moderate V-shape	0%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	2.9	VWI Range:	2.5 - 3.5

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	0%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	Braided Channel	0%
Alt. Terrace/Hill	100%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	1,472	14,480	0
Secondary	45	223	1

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 5	<u>First Terrace</u> n = 5
Width: 8.9	Width: 15.5	18.7 ( 17 - 20 )	22.4 ( 20 - 26 )
Depth: 0.50	Height: 0.9	1.8 ( 1.6 - 2 )	2.1 ( 1.8 - 2.5 )

W:D ratio: 17.8

Stream Flow Type: LF

Average Unit Gradient: 0.9%

Water temperature (°C): 62.0 - 62.0

Entrenchment (ACW:FPW ratio): 1.2

Habitat Units/100m (total channel length): 3.1

Habitat Units/100m (primary channel length): 3.2

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	RR	ST
Riparian Vegetation:	D30	S

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	2%	Reach avg: 81%
Undercut Banks:	0%	Range: 53 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m primary channel</u>
All pieces (>=3m x 0.15m):	17	1.2
Volume (m <sup>3</sup> ):	12	0.8
Key pieces (>=12m x 0.60m):	0	0.0

REACH 4

T00a-R00a-S00aa

REACH 4

**Valley and Channel Summary**

Valley Characteristics (Percent Reach Length)

<u>Narrow Valley Floor</u>		<u>Broad Valley Floor</u>	
Steep V-shape	0%	Constraining Terraces	0%
Moderate V-shape	100%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	1.7	VWI Range:	1.3 - 2.2

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	100%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	Braided Channel	0%
Alt. Terrace/Hill	0%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	1,186	10,433	0
Secondary	51	143	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 4	<u>First Terrace</u> n = 0
Width: 8.2	Width: 15.1	19.0 ( 16 - 22 )	( - )
Depth: 0.52	Height: 0.8	1.6 ( 1.6 - 1.6 )	( - )

W:D ratio: 18.9  
Stream Flow Type: LF  
Average Unit Gradient: 1.5%  
Water temperature (°C): 62.0 - 62.0

Entrenchment (ACW:FPW ratio): 1.3  
Habitat Units/100m (total channel length): 3.2  
Habitat Units/100m (primary channel length): 3.3

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	MT
Riparian Vegetation:	D30	S

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	3%	Reach avg: 73%
Undercut Banks:	0%	Range: 53 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m primary channel</u>
All pieces (>=3m x 0.15m):	88	7.4
Volume (m <sup>3</sup> ):	72	6.1
Key pieces (>=12m x 0.60m):	2	0.2

REACH 1

T00X-R00X-S00XX

REACH 1

**Valley and Channel Summary**

Valley Characteristics (Percent Reach Length)

<u>Narrow Valley Floor</u>		<u>Broad Valley Floor</u>	
Steep V-shape	0%	Constraining Terraces	0%
Moderate V-shape	100%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	2.1	VWI Range:	1.2 - 3.2

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	100%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	Braided Channel	0%
Alt. Terrace/Hill	0%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	616	1,888	0
Secondary	8	12	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 4	<u>First Terrace</u> n = 0
Width: 3.3	Width: 4.3	8.7 ( 5.3 - 15.3 )	( - )
Depth: 0.25	Height: 0.4	0.8 ( 0.6 - 1 )	( - )

W:D ratio: 11.2

Entrenchment (ACW:FPW ratio): 2.0

Stream Flow Type: MF

Habitat Units/100m (total channel length): 7.5

Average Unit Gradient: 1.2%

Habitat Units/100m (primary channel length): 7.6

Water temperature (°C): 56.0 - 56.0

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	TH	LT
Riparian Vegetation:	M30	S

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:		Reach avg: 91%
Undercut Banks:	0%	Range: 53 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m primary channel</u>
All pieces (>=3m x 0.15m):	64	10.4
Volume (m <sup>3</sup> ):	97	15.7
Key pieces (>=12m x 0.60m):	5	0.8

REACH 1

T25s-R11w-S12ne

REACH 1

**Valley and Channel Summary**

Valley Characteristics (Percent Reach Length)

<u>Narrow Valley Floor</u>		<u>Broad Valley Floor</u>	
Steep V-shape	100%	Constraining Terraces	0%
Moderate V-shape	0%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	2.3	VWI Range:	2.3 - 2.3

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	100%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	Braided Channel	0%
Alt. Terrace/Hill	0%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	227	688	0
Secondary	3	4	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 1	<u>First Terrace</u> n = 1
Width: 2.9	Width: 5.5	8.0 ( 8 - 8 )	10.0 ( 10 - 10 )
Depth: 0.31	Height: 0.6	1.2 ( 1.2 - 1.2 )	1.4 ( 1.4 - 1.4 )

W:D ratio: 9.2  
Stream Flow Type: LF  
Average Unit Gradient: 3.3%  
Water temperature (°C): 59.0 - 59.0

Entrenchment (ACW:FPW ratio): 1.5  
Habitat Units/100m (total channel length): 6.5  
Habitat Units/100m (primary channel length): 6.6

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	TH	LT
Riparian Vegetation:	D30	S

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	7%	Reach avg: 83%
Undercut Banks:	1%	Range: 72 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m primary channel</u>
All pieces (>=3m x 0.15m):	33	14.6
Volume (m <sup>3</sup> ):	24	10.8
Key pieces (>=12m x 0.60m):	0	0.0

REACH 2

T25s-R11w-S12ne

REACH 2

**Valley and Channel Summary**

Valley Characteristics (Percent Reach Length)

<u>Narrow Valley Floor</u>		<u>Broad Valley Floor</u>	
Steep V-shape	100%	Constraining Terraces	0%
Moderate V-shape	0%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	2.0	VWI Range:	1.4 - 2.4

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	100%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	Braided Channel	0%
Alt. Terrace/Hill	0%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	352	820	0
Secondary	0	0	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 4	<u>First Terrace</u> n = 0
Width: 2.4	Width: 5.8	8.6 ( 7.5 - 11 )	( - )
Depth: 0.23	Height: 0.5	1.0 ( 0.9 - 1 )	( - )

W:D ratio: 11.9  
Stream Flow Type: LF  
Average Unit Gradient: 3.7%  
Water temperature (°C): 59.0 - 59.0

Entrenchment (ACW:FPW ratio): 1.6  
Habitat Units/100m (total channel length): 10.8  
Habitat Units/100m (primary channel length): 10.8

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	TH	YT
Riparian Vegetation:	D15	S

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	10%	Reach avg: 86%
Undercut Banks:	2%	Range: 61 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m primary channel</u>
All pieces (>=3m x 0.15m):	103	29.2
Volume (m <sup>3</sup> ):	69	19.7
Key pieces (>=12m x 0.60m):	3	0.9

REACH

**T25s-R11w-S12ne**

REACH

**Valley and Channel Summary**

Valley Characteristics (Percent Reach Length)

<u>Narrow Valley Floor</u>		<u>Broad Valley Floor</u>	
Steep V-shape	0%	Constraining Terraces	100%
Moderate V-shape	0%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	3.1	VWI Range:	3 - 3.2

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	0%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	100%	Braided Channel	0%
Alt. Terrace/Hill	0%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	290	703	0
Secondary	0	0	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 2	<u>First Terrace</u> n = 2
Width: 2.3	Width: 4.4	6.0 ( 4.5 - 7.5 )	6.8 ( 5 - 8.5 )
Depth: 0.24	Height: 0.6	1.1 ( 1 - 1.2 )	1.3 ( 1.1 - 1.4 )

W:D ratio: 8.2  
 Stream Flow Type: LF  
 Average Unit Gradient: 1.8%  
 Water temperature (°C): 59.0 - 59.0

Entrenchment (ACW:FPW ratio): 1.3  
 Habitat Units/100m (total channel length): 10.0  
 Habitat Units/100m (primary channel length): 10.0

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	MT	YT
Riparian Vegetation:	M50	S

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	13%	Reach avg: 93%
Undercut Banks:	3%	Range: 86 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m primary channel</u>
All pieces (>=3m x 0.15m):	50	17.3
Volume (m <sup>3</sup> ):	30	10.5
Key pieces (>=12m x 0.60m):	0	0.0

REACH 1

T25S-R10W-S06EE

REACH 1

**Valley and Channel Summary**

Valley Characteristics (Percent Reach Length)

<u>Narrow Valley Floor</u>		<u>Broad Valley Floor</u>	
Steep V-shape	0%	Constraining Terraces	0%
Moderate V-shape	100%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	1.6	VWI Range:	1.3 - 1.8

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	100%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	Braided Channel	0%
Alt. Terrace/Hill	0%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	1,379	18,843	0
Secondary	112	287	1

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 3	<u>First Terrace</u> n = 0
Width: 12.8	Width: 19.3	25.7 ( 25 - 27 )	( - )
Depth: 0.59	Height: 0.9	1.8 ( 1.7 - 1.8 )	( - )

W:D ratio: 21.9  
Stream Flow Type: MF  
Average Unit Gradient: 1.5%  
Water temperature (°C): 50.0 - 50.0

Entrenchment (ACW:FPW ratio): 1.3  
Habitat Units/100m (total channel length): 2.5  
Habitat Units/100m (primary channel length): 2.8

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	YT	ST
Riparian Vegetation:	D15	S

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	2%	Reach avg: 92%
Undercut Banks:	0%	Range: 67 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m primary channel</u>
All pieces (>=3m x 0.15m):	110	8.0
Volume (m <sup>3</sup> ):	176	12.7
Key pieces (>=12m x 0.60m):	9	0.7

REACH 2

T25s-R10w-S05nw

REACH 2

**Valley and Channel Summary**

Valley Characteristics (Percent Reach Length)

<u>Narrow Valley Floor</u>		<u>Broad Valley Floor</u>	
Steep V-shape	0%	Constraining Terraces	0%
Moderate V-shape	100%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	1.9	VWI Range:	1.3 - 2.4

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	100%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	Braided Channel	0%
Alt. Terrace/Hill	0%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	1,124	12,953	0
Secondary	161	639	1

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 5	<u>First Terrace</u> n = 4
Width: 9.6	Width: 15.3	20.5 ( 18 - 24 )	25.5 ( 21 - 28 )
Depth: 0.64	Height: 0.9	1.7 ( 1.4 - 2 )	3.1 ( 1.8 - 5.8 )

W:D ratio: 18.4  
Stream Flow Type: MF  
Average Unit Gradient: 3.4%  
Water temperature (°C): 51.0 - 51.0

Entrenchment (ACW:FPW ratio): 1.3  
Habitat Units/100m (total channel length): 4.0  
Habitat Units/100m (primary channel length): 4.5

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	YT
Riparian Vegetation:	D30	S

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	4%	Reach avg: 92%
Undercut Banks:	2%	Range: 69 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m primary channel</u>
All pieces (>=3m x 0.15m):	123	10.9
Volume (m <sup>3</sup> ):	249	22.1
Key pieces (>=12m x 0.60m):	12	1.1



REACH 1

**T27s-R10w-S05sw**

REACH 1

**Valley and Channel Summary**

Valley Characteristics (Percent Reach Length)

<u>Narrow Valley Floor</u>		<u>Broad Valley Floor</u>	
Steep V-shape	100%	Constraining Terraces	0%
Moderate V-shape	0%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	1.3	VWI Range:	1.1 - 1.7

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	100%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	Braided Channel	0%
Alt. Terrace/Hill	0%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	2,351	9,784	0
Secondary	133	252	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 9	<u>First Terrace</u> n = 0
Width: 3.9	Width: 8.0	10.4 ( 8 - 13.5 )	( - )
Depth: 0.39	Height: 0.6	1.1 ( 1 - 1.2 )	( - )

W:D ratio: 14.3  
 Stream Flow Type: MF  
 Average Unit Gradient: 3.7%  
 Water temperature (°C): 56.0 - 56.0

Entrenchment (ACW:FPW ratio): 1.3  
 Habitat Units/100m (total channel length): 4.0  
 Habitat Units/100m (primary channel length): 4.2

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	LT
Riparian Vegetation:	D15	P

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	27%	Reach avg: 97%
Undercut Banks:	7%	Range: 72 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m primary channel</u>
All pieces (>=3m x 0.15m):	425	18.1
Volume (m <sup>3</sup> ):	704	30.0
Key pieces (>=12m x 0.60m):	18	0.8

REACH 2

T24s-R10w-S33ne

REACH 2

**Valley and Channel Summary**

Valley Characteristics (Percent Reach Length)

<u>Narrow Valley Floor</u>		<u>Broad Valley Floor</u>	
Steep V-shape	100%	Constraining Terraces	0%
Moderate V-shape	0%	Multiple Terraces	0%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	1.3	VWI Range:	1.3 - 1.3

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	100%	Single Channel	0%
Bedrock	0%	Multiple Channel	0%
Terrace	0%	Braided Channel	0%
Alt. Terrace/Hill	0%		
Landuse	0%		

Channel Characteristics

<u>Type</u>	<u>Length (m)</u>	<u>Area (m2)</u>	<u>Dry Units</u>
Primary	146	526	0
Secondary	0	0	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 1	<u>First Terrace</u> n = 0
Width: 3.8	Width: 6.0	9.0 ( 9 - 9 )	( - )
Depth: 0.28	Height: 0.5	1.0 ( 1 - 1 )	( - )

W:D ratio: 12.0  
 Stream Flow Type: MF  
 Average Unit Gradient: 13.3%  
 Water temperature (°C): 59.0 - 59.0

Entrenchment (ACW:FPW ratio): 1.5  
 Habitat Units/100m (total channel length): 4.1  
 Habitat Units/100m (primary channel length): 4.1

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	LT
Riparian Vegetation:	D15	P

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	14%	Reach avg: 100%
Undercut Banks:	4%	Range: 100 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m primary channel</u>
All pieces (>=3m x 0.15m):	38	26.1
Volume (m <sup>3</sup> ):	42	28.7
Key pieces (>=12m x 0.60m):	2	1.4

