

REACH 1

T32S-R15W-14SE

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 avg: 4.0 range: 2.8-7.0

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	0	Single Channel	100
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	551	1,611	0
Secondary	50	57	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	2.9	Width	6.4	17.0	7.2
Depth	0.30	Height	0.5	1.1	0.8
		W:D ratio	12.0	Entrenchment	2.7

Stream Flow Type: MF Water Temp: 12.0-12.0°C
 Avg. Unit Gradient: 1.9% Habitat Units/100m: 8.0

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	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	7%	Reach avg: 97%
Undercut Banks	4%	Range: 56-100

Large Woody Debris

	<u>Total</u>	<u>Total/100m</u>
All pieces (≥3m x 0.15m)	139	25.2
Volume (m ³)	293	53.2
Key pieces (≥10m x 0.6m)	7	1.3

REACH 2

T32S-R15W-14SE

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	100
Moderate V-shape	0	Multiple Terraces	0
Open V-shape	0	Wide Floodplain	0

Valley Width Index avg: 4.5 range: 4.0-5.0

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	304	734	0
Secondary	6	14	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>		<u>First Terrace</u>	
Width	2.5	Width	6.9		11.5		12.5
Depth	0.29	Height	0.5		1.0		1.2
		W:D ratio	13.8	Entrenchment	1.7		

Stream Flow Type: MF Water Temp: 13.0-13.0°C
 Avg. Unit Gradient: 1.3% Habitat Units/100m: 9.4

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	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	6%	Reach avg: 99%
Undercut Banks	1%	Range: 81-100

Large Woody Debris

	<u>Total</u>	<u>Total/100m</u>
All pieces ($\geq 3m \times 0.15m$)	36	11.9
Volume (m ³)	24	7.9
Key pieces ($\geq 10m \times 0.6m$)	0	0.0

REACH 3

T32S-R15W-14SE

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	0	Multiple Terraces	0
Open V-shape	0	Wide Floodplain	100

Valley Width Index avg: 2.4 range: 1.5-3.0

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	0	Single Channel	100
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	2,297	6,678	0
Secondary	281	565	3

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	2.8	Width	9.1	20.2	10.6
Depth	0.23	Height	0.4	0.9	0.7
		W:D ratio	21.5	Entrenchment	2.2

Stream Flow Type: MF Water Temp: 13.0-13.0°C
 Avg. Unit Gradient: 3.4% Habitat Units/100m: 2.8

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	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	1%	Reach avg: 98%
Undercut Banks	1%	Range: 56-100

Large Woody Debris

	<u>Total</u>	<u>Total/100m</u>
All pieces ($\geq 3m \times 0.15m$)	85	3.7
Volume (m ³)	62	2.7
Key pieces ($\geq 10m \times 0.6m$)	1	0.0

REACH 4

T32S-R23W-23NE

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	0
Open V-shape	0	Wide Floodplain	100

Valley Width Index avg: 3.6 range: 2.3-5.0

Channel Morphology (Percent Reach Length)

<u>Constrained</u>		<u>Unconstrained</u>	
Hillslope	0	Single Channel	100
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	605	1,198	0
Secondary	23	46	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	2.0	Width	4.3	15.4	5.5
Depth	0.26	Height	0.4	0.9	0.7
		W:D ratio	9.9	Entrenchment	3.7

Stream Flow Type: MF Water Temp: 12.0-12.0°C
 Avg. Unit Gradient: 1.9% Habitat Units/100m: 8.6

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	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	6%	Reach avg: 99%
Undercut Banks	7%	Range: 75-100

Large Woody Debris

	<u>Total</u>	<u>Total/100m</u>
All pieces (≥3m x 0.15m)	48	7.9
Volume (m ³)	28	4.6
Key pieces (≥10m x 0.6m)	0	0.0

REACH 1

T32S-R15W-14SE

REACH 1

HABITAT DETAIL

Habitat Type	Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m ²)	Large Boulders (>0.5m)	Substrate Percent Wetted Area					
							S/O	Snd	Grvl	Cbbl	Bldr	Bdrk
POOL-BACKWATER	1	9	1.8	0.25	16	0	5	0	95	0	0	0
POOL-ISOLATED	1	10	0.5	0.05	5	0	30	70	0	0	0	0
POOL-LATERAL SCOUR	21	182	3.5	0.48	651	5	3	16	80	1	0	0
POOL-STRAIGHT SCOUR	2	18	3.4	0.51	63	25	3	10	69	8	10	0
RAPID/BOULDERS	3	43	2.6	0.13	108	11	0	0	83	13	3	0
RIFFLE	16	260	2.4	0.12	663	3	1	8	83	8	0	0
RIFFLE W/ POCKETS	2	72	2.0	0.18	139	0	0	15	85	0	0	0
STEP/COBBLE	2	9	2.4	0.10	22	0	0	0	65	35	0	0
Total:	48	601	2.9	0.30	1,667	44	Avg: 2	12	79	6	1	0

HABITAT SUMMARY

Habitat Group	No. Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area (m ²)	Percent	Large Boulders Number	#/100m ²
Dammed & BW Pools	2	18	1.2	0.15	21	1.24	0	0.0
Scour Pools	23	200	3.5	0.48	715	42.87	30	4.2
Glides	0	0	-	-	0	0.00	0	0.0
Riffles	18	332	2.3	0.12	802	48.10	3	0.4
Rapids	3	43	2.6	0.13	108	6.48	11	10.2
Cascades	0	0	-	-	0	0.00	0	0.0
Step/Falls	2	9	2.4	0.10	22	1.31	0	0.0
Dry	0	0	-	-	0	0.00	0	0.0

POOL SUMMARY

All Pools	<u>Total</u>	<u>#/Km</u>
	25	41.6
Pools ≥1m deep:	0	0.0
Complex pools (LWD pieces ≥3):	15	25.0
Pool Frequency (channel widths/pool):	3.8	
Residual pool depth (avg)	0.15m	

REACH 2

T32S-R15W-14SE

REACH 2

HABITAT DETAIL

Habitat Type	Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m ²)	Large Boulders (>0.5m)	Substrate Percent Wetted Area					
							S/O	Snd	Grvl	Cbbl	Bldr	Bdrk
POOL-BACKWATER	1	4	2.9	0.50	12	0	40	30	30	0	0	0
POOL-ISOLATED	1	2	1.0	0.25	2	0	5	0	95	0	0	0
POOL-LATERAL SCOUR	14	121	2.6	0.41	327	24	3	8	86	3	0	0
POOL-PLUNGE	1	4	3.0	0.50	11	0	0	10	90	0	0	0
RIFFLE	11	173	2.2	0.11	376	0	0	1	91	8	0	0
STEP/COBBLE	1	5	3.7	0.05	20	0	0	0	90	10	0	0
Total:	29	310	2.5	0.29	748	24	Avg: 3	6	86	5	0	0

HABITAT SUMMARY

Habitat Group	No. Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area (m ²)	Percent	Large Boulders Number	#/100m ²
Dammed & BW Pools	2	6	2.0	0.38	14	1.86	0	0.0
Scour Pools	15	125	2.7	0.42	338	45.23	24	7.1
Glides	0	0	-	-	0	0.00	0	0.0
Riffles	11	173	2.2	0.11	376	50.23	0	0.0
Rapids	0	0	-	-	0	0.00	0	0.0
Cascades	0	0	-	-	0	0.00	0	0.0
Step/Falls	1	5	3.7	0.05	20	2.67	0	0.0
Dry	0	0	-	-	0	0.00	0	0.0

POOL SUMMARY

All Pools	<u>Total</u>	<u>#/Km</u>
	17	54.9
Pools ≥1m deep:	0	0.0
Complex pools (LWD pieces ≥3):	3	9.7
Pool Frequency (channel widths/pool):	2.6	
Residual pool depth (avg)	0.32m	

REACH 3

T32S-R15W-14SE

REACH 3

HABITAT DETAIL

Habitat Type	Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m ²)	Large Boulders (>0.5m)	Substrate Percent Wetted Area					
							S/O	Snd	Grvl	Cbbl	Bldr	Bdrk
DRY CHANNEL	1	32	4.5	0.00	143	0	5	0	95	0	0	0
DRY UNITS	1	16	3.5	0.00	57	0	5	0	95	0	0	0
GLIDE	1	12	2.0	0.15	23	0	0	10	85	5	0	0
POOL-ALCOVE	4	40	1.8	0.21	70	0	33	46	20	1	0	0
POOL-BACKWATER	4	23	1.7	0.34	44	0	28	55	18	0	0	0
POOL-BEAVER DAM	5	55	4.4	0.47	319	0	23	21	55	0	0	0
POOL-ISOLATED	3	7	1.5	0.22	12	0	57	43	0	0	0	0
POOL-LATERAL SCOUR	9	66	2.9	0.34	209	0	10	16	74	0	0	0
POOL-PLUNGE	8	37	3.8	0.48	138	0	5	20	74	1	0	0
POOL-STRAIGHT SCOUR	4	22	2.4	0.39	54	0	3	8	89	1	0	0
PUDDLED CHANNEL	1	25	3.9	0.10	96	0	0	10	86	5	0	0
RAPID/BOULDERS	7	1,705	2.0	0.11	3,884	0	2	12	73	13	0	0
RIFFLE	18	528	3.4	0.11	2,183	0	6	7	84	3	0	0
STEP/BEAVER DAM	2	7	1.4	0.08	6	0	40	50	10	0	0	0
STEP/LOG	5	4	1.8	0.05	7	0	2	8	90	0	0	0
Total:	73	2,578	2.8	0.23	7,243	0	Avg:12	18	67	2	0	0

HABITAT SUMMARY

Habitat Group	No. Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area (m ²)	Percent	Large Boulders Number	#/100m ²
Dammed & BW Pools	16	126	2.5	0.33	444	6.13	0	0.0
Scour Pools	21	125	3.2	0.40	400	5.53	0	0.0
Glides	1	12	2.0	0.15	23	0.32	0	0.0
Riffles	18	528	3.4	0.11	2,183	30.14	0	0.0
Rapids	7	1,705	2.0	0.11	3,884	53.62	0	0.0
Cascades	0	0	-	-	0	0.00	0	0.0
Step/Falls	7	10	1.6	0.06	13	0.18	0	0.0
Dry	3	73	4.0	0.03	296	4.08	0	0.0

POOL SUMMARY

All Pools	<u>Total</u>	<u>#/Km</u>
	37	14.4
Pools ≥1m deep:	0	0.0
Complex pools (LWD pieces≥3):	6	2.3
Pool Frequency (channel widths/pool):	7.7	
Residual pool depth (avg)	0.32m	

REACH 4

T32S-R23W-23NE

REACH 4

HABITAT DETAIL

Habitat Type	Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m ²)	Large Boulders (#>0.5m)	Substrate Percent Wetted Area					
							S/O	Snd	Grvl	Cbbl	Bldr	Bdrk
POOL-ALCOVE	1	12	1.9	0.20	23	0	50	50	0	0	0	0
POOL-BACKWATER	2	3	2.2	0.28	7	0	40	50	10	0	0	0
POOL-ISOLATED	1	8	2.0	0.10	16	0	70	30	0	0	0	0
POOL-LATERAL SCOUR	21	134	1.9	0.31	259	0	4	18	65	13	0	0
POOL-PLUNGE	4	17	2.5	0.50	42	0	2	22	67	7	0	1
POOL-STRAIGHT SCOUR	2	8	2.0	0.40	16	0	5	20	75	0	0	0
RAPID/BOULDERS	5	70	2.3	0.08	169	0	0	2	65	32	1	0
RIFFLE	14	367	1.9	0.22	697	0	2	3	76	19	0	0
STEP/COBBLE	2	8	1.9	0.05	15	0	0	0	30	70	0	0
STEP/LOG	2	1	1.0	0.05	1	0	0	0	55	25	0	20
Total:	54	628	2.0	0.26	1,244	0	Avg: 6	14	62	17	0	1

HABITAT SUMMARY

Habitat Group	No. Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area (m ²)	Percent	Large Boulders Number	Boulders #/100m ²
Dammed & BW Pools	4	23	2.1	0.21	46	3.69	0	0.0
Scour Pools	27	159	2.0	0.35	317	25.46	0	0.0
Glides	0	0	-	-	0	0.00	0	0.0
Riffles	14	367	1.9	0.22	697	56.03	0	0.0
Rapids	5	70	2.3	0.08	169	13.54	0	0.0
Cascades	0	0	-	-	0	0.00	0	0.0
Step/Falls	4	9	1.4	0.05	16	1.28	0	0.0
Dry	0	0	-	-	0	0.00	0	0.0

POOL SUMMARY

All Pools	<u>Total</u>	<u>#/Km</u>
	31	49.4
Pools $\geq 1m$ deep:	0	0.0
Complex pools (LWD pieces ≥ 3):	2	3.2
Pool Frequency (channel widths/pool):	4.7	
Residual pool depth (avg)	0.33m	

STREAM SUMMARY

BEAVER CREEK RESTORATION

Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m ²)	Substrate Percent Wetted Area						Total Large Boulder
					S/O	Sand	Grvl	Cbbl	Bldr	Bdrk	
204	4,117	2.6	0.26	10,903	7	14	71	7	0	0	68

Wetted Area

Habitat Group	(m ²)	Percent
Scour Pool	1,770	16.2
Backwater Pools	525	4.8
Glide	23	0.2
Riffle	4,058	37.2
Rapid	4,160	38.2
Cascade	0	0.0
Step	71	0.7
Dry	296	2.7

REACH 1

RIPARIAN ZONE VEGETATION SUMMARY

REACH 1

Summary of Riparian Zone (0-30m) (4 transects)

Total hardwoods/1000 ft	1,935
Total conifers/1000 ft	168
Total conifers >20" dbh/1000 ft	0
Total conifers >35" dbh/1000 ft	0

Average number of trees in a 5-meter wide band

Diameter class (cm)	Zone 1 0-10 meters		Zone 2 10-20 meters		Zone 3 20-30 meters		Zones 1-3 0-30 meters	
	Conifer	Hardwood	Conifer	Hardwood	Conifer	Hardwood	Conifer	Hardwood
3-15cm	0.0	8.0	1.5	3.5	0.3	5.3	1.8	16.8
15-30cm	0.0	5.8	0.8	3.8	0.0	1.8	0.8	11.3
30-50cm	0.0	1.0	0.3	2.0	0.0	0.8	0.3	3.8
50-90cm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
>90cm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total/100m ²	0.0	14.8	2.5	9.3	0.3	7.8	0.9	10.6

Canopy closure and ground cover

	Zone 1 0-10 meters		Zone 2 10-20 meters		Zone 3 20-30 meters	
	(%)		(%)		(%)	
Canopy closure	91		84		80	
Shrub cover	12		28		44	
Grass/forb cover	85		66		43	

Predominant landform in each zone

	Zone 1 0-10 meters		Zone 2 10-20 meters		Zone 3 20-30 meters	
	Hillslope	13		50		63
High terrace	0		25		13	
Low terrace	75		0		0	
Floodplain	0		0		0	
Wetland/meadow	0		0		0	
Stream channel	0		0		0	
Roadbed/Railroad	13		25		13	
Riprap	0		0		0	
Surface slope (%)	6		25		51	

REACH 2

RIPARIAN ZONE VEGETATION SUMMARY

REACH 2

Summary of Riparian Zone (0-30m) (2 transects)

Total hardwoods/1000 ft	1,524
Total conifers/1000 ft	61
Total conifers >20" dbh/1000 ft	0
Total conifers >35" dbh/1000 ft	0

Average number of trees in a 5-meter wide band

Diameter class (cm)	Zone 1 0-10 meters		Zone 2 10-20 meters		Zone 3 20-30 meters		Zones 1-3 0-30 meters	
	Conifer	Hardwood	Conifer	Hardwood	Conifer	Hardwood	Conifer	Hardwood
3-15cm	0.0	4.5	1.0	1.0	0.0	4.0	1.0	9.5
15-30cm	0.0	4.0	0.0	2.0	0.0	2.0	0.0	8.0
30-50cm	0.0	1.5	0.0	2.5	0.0	2.5	0.0	6.5
50-90cm	0.0	0.5	0.0	0.5	0.0	0.0	0.0	1.0
>90cm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total/100m ²	0.0	10.5	1.0	6.0	0.0	8.5	0.3	8.3

Canopy closure and ground cover

	Zone 1 0-10 meters		Zone 2 10-20 meters		Zone 3 20-30 meters	
	(%)		(%)		(%)	
Canopy closure	90		94		91	
Shrub cover	33		23		50	
Grass/forb cover	68		78		40	

Predominant landform in each zone

	Zone 1 0-10 meters		Zone 2 10-20 meters		Zone 3 20-30 meters	
	Hillslope	50		25		100
High terrace	50		50		0	
Low terrace	0		0		0	
Floodplain	0		0		0	
Wetland/meadow	0		0		0	
Stream channel	0		0		0	
Roadbed/Railroad	0		25		0	
Riprap	0		0		0	
Surface slope (%)	40		25		80	

REACH 3

RIPARIAN ZONE VEGETATION SUMMARY

REACH 3

Summary of Riparian Zone (0-30m) (5 transects)

Total hardwoods/1000 ft	2,658
Total conifers/1000 ft	512
Total conifers >20" dbh/1000 ft	12
Total conifers >35" dbh/1000 ft	0

Average number of trees in a 5-meter wide band

Diameter class (cm)	Zone 1 0-10 meters		Zone 2 10-20 meters		Zone 3 20-30 meters		Zones 1-3 0-30 meters	
	Conifer	Hardwood	Conifer	Hardwood	Conifer	Hardwood	Conifer	Hardwood
3-15cm	0.2	5.0	3.2	12.0	1.2	15.4	4.6	32.4
15-30cm	0.2	3.0	1.4	2.6	1.0	1.4	2.6	7.0
30-50cm	0.0	1.6	0.2	0.6	0.8	1.6	1.0	3.8
50-90cm	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.4
>90cm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total/100m ²	0.6	9.8	4.8	15.2	3.0	18.6	2.8	14.5

Canopy closure and ground cover

	Zone 1 0-10 meters		Zone 2 10-20 meters		Zone 3 20-30 meters	
	(%)		(%)		(%)	
Canopy closure	84		87		93	
Shrub cover	41		28		27	
Grass/forb cover	51		57		62	

Predominant landform in each zone

	Zone 1 0-10 meters		Zone 2 10-20 meters		Zone 3 20-30 meters	
	Hillslope	40		80		100
High terrace	10		0		0	
Low terrace	20		10		0	
Floodplain	10		0		0	
Wetland/meadow	0		0		0	
Stream channel	20		10		0	
Roadbed/Railroad	0		0		0	
Riprap	0		0		0	
Surface slope (%)	34		71		87	

REACH 4

RIPARIAN ZONE VEGETATION SUMMARY

REACH 4

Summary of Riparian Zone (0-30m) (4 transects)

Total hardwoods/1000 ft	2,454
Total conifers/1000 ft	46
Total conifers >20" dbh/1000 ft	15
Total conifers >35" dbh/1000 ft	0

Average number of trees in a 5-meter wide band

Diameter class (cm)	Zone 1 0-10 meters		Zone 2 10-20 meters		Zone 3 20-30 meters		Zones 1-3 0-30 meters	
	Conifer	Hardwood	Conifer	Hardwood	Conifer	Hardwood	Conifer	Hardwood
3-15cm	0.3	2.3	0.0	7.3	0.0	16.3	0.3	25.8
15-30cm	0.3	1.8	0.0	5.0	0.0	2.0	0.3	8.8
30-50cm	0.0	2.0	0.0	1.8	0.0	1.3	0.0	5.0
50-90cm	0.0	0.3	0.0	0.5	0.3	0.0	0.3	0.8
>90cm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total/100m ²	0.5	6.3	0.0	14.5	0.3	19.5	0.3	13.4

Canopy closure and ground cover

	Zone 1 0-10 meters		Zone 2 10-20 meters		Zone 3 20-30 meters	
	(%)		(%)		(%)	
Canopy closure	93		94		80	
Shrub cover	43		15		13	
Grass/forb cover	41		71		81	

Predominant landform in each zone

	Zone 1 0-10 meters		Zone 2 10-20 meters		Zone 3 20-30 meters	
	Hillslope	38		75		100
High terrace	0		13		0	
Low terrace	63		0		0	
Floodplain	0		0		0	
Wetland/meadow	0		0		0	
Stream channel	0		0		0	
Roadbed/Railroad	0		13		0	
Riprap	0		0		0	
Surface slope (%)	39		54		95	

Summary of Riparian Zone (0-30m) for all reaches (15 transects)

Summary of riparian zone (0-100ft) extrapolated to 1,000 feet along stream

Total hardwoods/1000 ft	2,260
Total conifers/1000 ft	236
Total conifers >20" dbh/1000 ft	8

Average number of trees in a 5-meter wide band

<u>Diameter</u> <u>class (cm)</u>	<u>Zones 1-3</u>	
	<u>Conifer</u>	<u>Hardwood</u>
3-15cm	2.2	23.4
15-30cm	1.1	8.7
30-50cm	0.4	4.5
50-90cm	0.1	0.5
>90cm	0.0	0.0

RIPARIAN ZONE VEGETATION

Reach 1

Reach 1

VEGETATION DETAIL

Unit	Side	Zone	Surface	Slope	Cover (percent)				Diameter class (cm)					Notes
					Canopy	Shrub	Grass		3-15	15-30	30-50	50-90	>90	
15	LF	1	LT	0.0	90	10	90	Conifer	0	0	0	0	0	
								Hardwood	4	4	0	0	0	
15	LF	2	HT	0.0	100	30	70	Conifer	0	0	0	0	0	
								Hardwood	1	3	2	0	0	
15	LF	3	HT	0.0	90	30	70	Conifer	0	0	0	0	0	
								Hardwood	3	1	1	0	0	ALDER, ELDERBERRY
15	RT	1	LT	0.0	90	0	100	Conifer	0	0	0	0	0	
								Hardwood	3	3	0	0	0	
15	RT	2	HS	35.0	80	30	70	Conifer	0	2	0	0	0	
								Hardwood	0	1	1	0	0	
15	RT	3	RB	0.0	30	0	30	Conifer	0	0	0	0	0	
								Hardwood	1	1	0	0	0	
27	LF	1	LT	0.0	90	10	90	Conifer	0	0	0	0	0	
								Hardwood	2	5	1	0	0	
27	LF	2	RB	0.0	90	10	80	Conifer	1	0	0	0	0	
								Hardwood	0	0	1	0	0	OLD ROAD
27	LF	3	HS	90.0	90	40	60	Conifer	1	0	0	0	0	
								Hardwood	0	1	0	0	0	
27	RT	1	LT	0.0	90	20	80	Conifer	0	0	0	0	0	
								Hardwood	4	3	1	0	0	
27	RT	2	HS	40.0	80	10	70	Conifer	2	1	0	0	0	
								Hardwood	3	0	1	0	0	
27	RT	3	HS	50.0	100	60	30	Conifer	0	0	0	0	0	
								Hardwood	8	1	0	0	0	
35	LF	1	LT	0.0	90	30	70	Conifer	0	0	0	0	0	
								Hardwood	3	4	1	0	0	
35	LF	2	RB	0.0	60	50	40	Conifer	0	0	0	0	0	
								Hardwood	2	3	0	0	0	SMALL CONIF. IN RB{
35	LF	3	HS	120.0	50	40	40	Conifer	0	0	0	0	0	
								Hardwood	1	0	0	0	0	
35	RT	1	HS	50.0	100	10	90	Conifer	0	0	0	0	0	
								Hardwood	15	0	0	0	0	VINE MAPLE
35	RT	2	HS	25.0	90	20	80	Conifer	0	0	1	0	0	
								Hardwood	1	3	2	0	0	
35	RT	3	HS	20.0	95	60	30	Conifer	0	0	0	0	0	
								Hardwood	4	0	0	0	0	
46	LF	1	RB	0.0	90	5	70	Conifer	0	0	0	0	0	
								Hardwood	0	0	1	0	0	
46	LF	2	HS	100.0	80	30	60	Conifer	3	0	0	0	0	
								Hardwood	2	3	1	0	0	
46	LF	3	HS	100.0	95	60	40	Conifer	0	0	0	0	0	
								Hardwood	3	2	1	0	0	
46	RT	1	LT	0.0	90	10	90	Conifer	0	0	0	0	0	
								Hardwood	1	4	0	0	0	
46	RT	2	HT	0.0	95	40	60	Conifer	0	0	0	0	0	

46	RT	3	HS	30.0	90	60	40	Hardwood	5	2	0	0	0
								Conifer	0	0	0	0	0
								Hardwood	1	1	1	0	0

RIPARIAN ZONE VEGETATION

Reach 2

Reach 2

VEGETATION DETAIL

Unit	Side	Zone	Surface	Slope	Cover (percent)				Diameter class (cm)					Notes
					Canopy	Shrub	Grass		3-15	15-30	30-50	50-90	>90	
56	LF	1	HT	0.0	100	60	40	Conifer	0	0	0	0	0	
								Hardwood	0	1	1	0	0	
56	LF	2	HT	0.0	95	10	90	Conifer	0	0	0	0	0	
								Hardwood	0	2	2	0	0	
56	LF	3	HS	70.0	95	90	10	Conifer	0	0	0	0	0	
								Hardwood	0	2	2	0	0	
56	RT	1	HS	60.0	90	40	60	Conifer	0	0	0	0	0	
								Hardwood	1	2	1	1	0	LOOSE SHALE SLOPE
56	RT	2	HS	100.0	90	30	70	Conifer	0	0	0	0	0	
								Hardwood	0	0	0	0	0	
56	RT	3	HS	100.0	100	10	90	Conifer	0	0	0	0	0	
								Hardwood	1	0	1	0	0	1 MYRTLE
69	LF	1	HS	100.0	90	10	90	Conifer	0	0	0	0	0	
								Hardwood	1	4	1	0	0	
69	LF	2	RB	0.0	100	10	90	Conifer	2	0	0	0	0	
								Hardwood	2	2	1	0	0	
69	LF	3	HS	100.0	90	70	30	Conifer	0	0	0	0	0	
								Hardwood	2	2	2	0	0	
69	RT	1	HT	0.0	80	20	80	Conifer	0	0	0	0	0	
								Hardwood	7	1	0	0	0	
69	RT	2	HT	0.0	90	40	60	Conifer	0	0	0	0	0	
								Hardwood	0	0	2	1	0	
69	RT	3	HS	50.0	80	30	30	Conifer	0	0	0	0	0	
								Hardwood	5	0	0	0	0	

RIPARIAN ZONE VEGETATION

Reach 3

Reach 3

VEGETATION DETAIL

Unit	Side	Zone	Surface	Slope	Cover (percent)				Diameter class (cm)					Notes
					Canopy	Shrub	Grass		3-15	15-30	30-50	50-90	>90	
80	LF	1	HT	5.0	90	15	85	Conifer	1	0	0	0	0	
								Hardwood	6	3	0	0	0	ALLUVIAL FAN OF DRA
80	LF	2	HS	20.0	90	5	95	Conifer	0	0	0	0	0	
								Hardwood	1	2	0	0	0	SOME SM. CONIFERS
80	LF	3	HS	40.0	90	10	90	Conifer	1	0	0	0	0	
								Hardwood	1	2	1	0	0	W/ OLD RB - 30%
80	RT	1	HS	90.0	100	30	60	Conifer	0	1	0	1	0	
								Hardwood	0	0	0	0	0	SEVERE SLOP, CEDAR
80	RT	2	HS	90.0	100	15	30	Conifer	13	7	0	0	0	
								Hardwood	8	0	0	0	0	ALL FROM 1 NURSE LO
80	RT	3	HS	90.0	100	20	30	Conifer	0	0	0	0	0	
								Hardwood	15	1	1	0	0	VINE MAPEL , ALDER
92	LF	1	HS	100.0	90	10	80	Conifer	0	0	0	0	0	
								Hardwood	4	3	1	0	0	W/ 30% OLD ROAD
92	LF	2	HS	120.0	100	20	20	Conifer	2	0	1	0	0	
								Hardwood	4	0	0	0	0	
92	LF	3	HS	120.0	70	80	10	Conifer	0	1	1	0	0	
								Hardwood	8	0	0	0	0	
92	RT	1	HS	120.0	15	30	70	Conifer	0	0	0	0	0	
								Hardwood	0	0	0	0	0	
92	RT	2	HS	110.0	30	20	70	Conifer	1	0	0	0	0	
								Hardwood	0	0	0	0	0	
92	RT	3	HS	100.0	100	0	90	Conifer	1	2	2	0	0	
								Hardwood	0	0	0	0	0	
107	LF	1	LT	0.0	80	50	50	Conifer	0	0	0	0	0	
								Hardwood	2	3	0	0	0	
107	LF	2	HS	30.0	85	30	70	Conifer	0	0	0	0	0	
								Hardwood	3	3	1	0	0	30% RB
107	LF	3	HS	90.0	100	10	80	Conifer	0	0	0	0	0	
								Hardwood	1	1	3	0	0	
107	RT	1	LT	0.0	90	5	95	Conifer	0	0	0	0	0	
								Hardwood	2	1	2	1	0	
107	RT	2	HS	100.0	90	40	60	Conifer	0	0	0	0	0	
								Hardwood	5	0	0	0	0	
107	RT	3	HS	100.0	80	20	80	Conifer	0	2	1	0	0	
								Hardwood	2	1	0	0	0	
120	LF	1	HS	20.0	95	80	2	Conifer	0	0	0	0	0	
								Hardwood	1	1	2	0	0	OLD RB
120	LF	2	HS	120.0	100	0	90	Conifer	0	0	0	0	0	
								Hardwood	23	0	0	0	0	
120	LF	3	HS	120.0	100	70	20	Conifer	2	0	0	0	0	
								Hardwood	15	0	0	0	0	
120	RT	1	SC	0.0	95	60	10	Conifer	0	0	0	0	0	
								Hardwood	2	3	1	0	0	
120	RT	2	SC	0.0	95	70	10	Conifer	0	0	0	0	0	

								Hardwood	2	3	1	0	0	
120	RT	3	HS	90.0	100	10	80	Conifer	0	0	0	0	0	
								Hardwood	25	0	0	0	0	VINE MAPLE
144	LF	1	FP	0.0	90	90	10	Conifer	0	0	0	0	0	
								Hardwood	8	0	0	0	0	

144	LF	2	LT	0.0	90	70	30	Conifer	0	0	0	0	0	
								Hardwood	4	4	1	0	0	
144	LF	3	HS	20.0	95	40	60	Conifer	2	0	0	0	0	
								Hardwood	0	2	3	0	0	SOME OLD ROAD BED
144	RT	1	SC	0.0	90	40	50	Conifer	0	0	0	0	0	
								Hardwood	0	1	2	0	0	
144	RT	2	HS	120.0	90	5	90	Conifer	0	0	0	0	0	
								Hardwood	10	1	0	0	0	
144	RT	3	HS	100.0	90	10	80	Conifer	0	0	0	0	0	
								Hardwood	10	0	0	1	0	

RIPARIAN ZONE VEGETATION

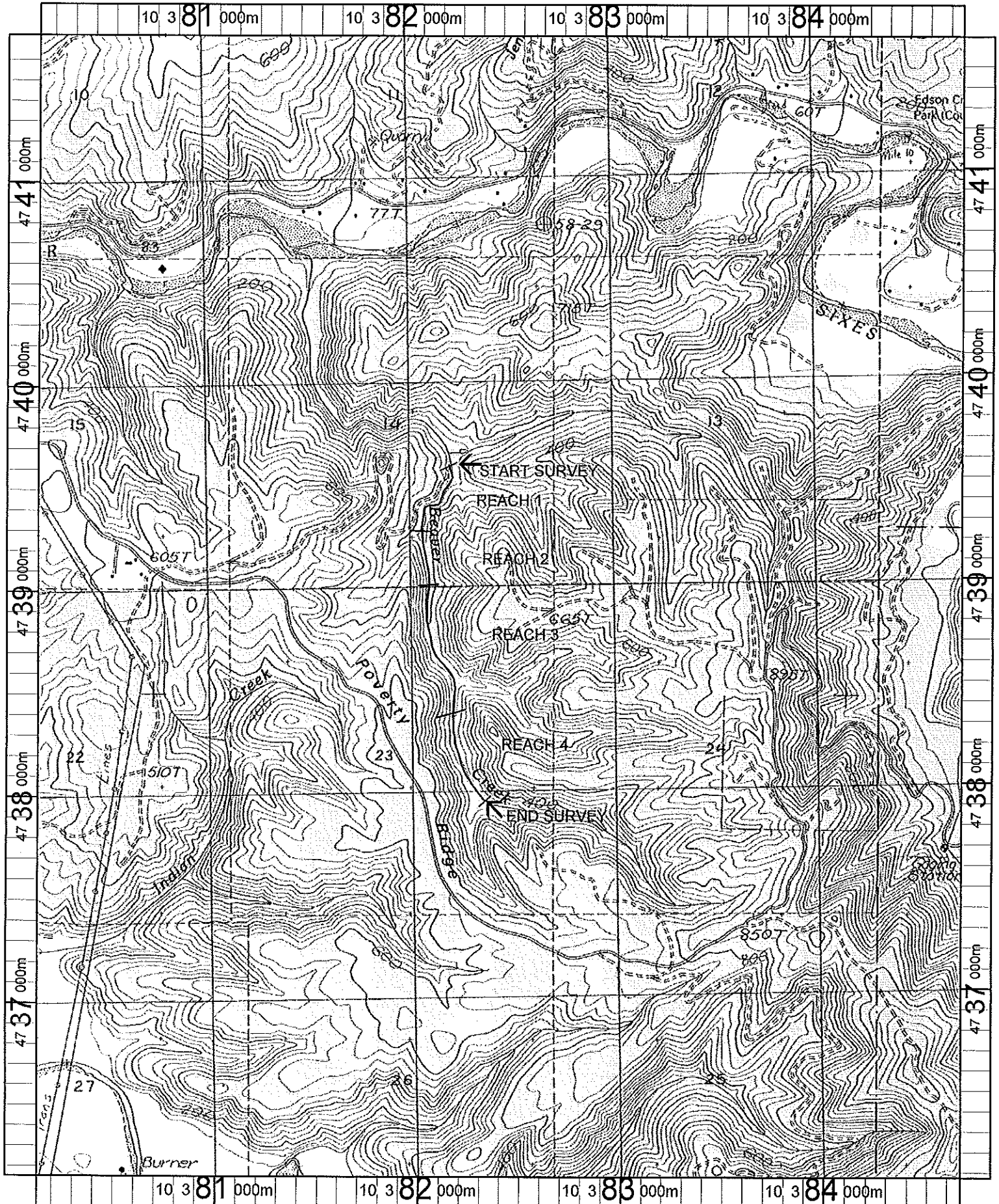
Reach 4

Reach 4

VEGETATION DETAIL

Unit	Side	Zone	Surface	Slope	Cover (percent)				Diameter class (cm)					Notes
					Canopy	Shrub	Grass		3-15	15-30	30-50	50-90	>90	
151	LF	1	HS	140.0	90	20	70	Conifer	0	0	0	0	0	
								Hardwood	4	1	3	0	0	
151	LF	2	RB	0.0	100	5	80	Conifer	0	0	0	0	0	
								Hardwood	12	2	1	0	0	
151	LF	3	HS	100.0	80	10	90	Conifer	0	0	0	0	0	
								Hardwood	15	0	1	0	0	
151	RT	1	LT	0.0	80	70	30	Conifer	1	0	0	0	0	
								Hardwood	0	1	1	0	0	
151	RT	2	HS	100.0	80	10	90	Conifer	0	0	0	0	0	
								Hardwood	0	0	0	1	0	
151	RT	3	HS	100.0	80	20	70	Conifer	0	0	0	0	0	
								Hardwood	2	1	1	0	0	
165	LF	1	LT	0.0	90	70	30	Conifer	0	0	0	0	0	
								Hardwood	0	1	0	0	0	
165	LF	2	HS	30.0	90	30	70	Conifer	0	0	0	0	0	
								Hardwood	3	1	2	0	0	
165	LF	3	HS	70.0	100	5	80	Conifer	0	0	0	0	0	
								Hardwood	10	2	1	0	0	OLD RB 30%
165	RT	1	HS	90.0	100	0	60	Conifer	0	1	0	0	0	
								Hardwood	0	2	2	0	0	CEDAR NURSE LOG, MY
165	RT	2	HS	90.0	100	0	80	Conifer	0	0	0	0	0	
								Hardwood	4	8	0	0	0	MYRTLE
165	RT	3	HS	110.0	100	0	95	Conifer	0	0	0	1	0	
								Hardwood	3	0	2	0	0	FIR
178	LF	1	HS	80.0	100	5	10	Conifer	0	0	0	0	0	
								Hardwood	2	0	1	0	0	
178	LF	2	HS	70.0	90	5	20	Conifer	0	0	0	0	0	
								Hardwood	0	2	2	1	0	20% OLD RB, MYRTLE
178	LF	3	HS	90.0	10	20	80	Conifer	0	0	0	0	0	
								Hardwood	2	0	0	0	0	OLD LANDSIDE
178	RT	1	LT	0.0	90	90	10	Conifer	0	0	0	0	0	
								Hardwood	0	1	0	1	0	
178	RT	2	HT	0.0	100	30	70	Conifer	0	0	0	0	0	
								Hardwood	1	1	1	0	0	
178	RT	3	HS	90.0	100	0	95	Conifer	0	0	0	0	0	
								Hardwood	15	0	0	0	0	
190	LF	1	LT	0.0	100	15	85	Conifer	0	0	0	0	0	
								Hardwood	1	1	1	0	0	
190	LF	2	HS	40.0	100	10	90	Conifer	0	0	0	0	0	
								Hardwood	7	3	0	0	0	20% OLD RB
190	LF	3	HS	100.0	100	20	70	Conifer	0	0	0	0	0	
								Hardwood	3	2	0	0	0	
190	RT	1	LT	0.0	90	70	30	Conifer	0	0	0	0	0	
								Hardwood	2	0	0	0	0	
190	RT	2	HS	100.0	90	30	70	Conifer	0	0	0	0	0	

190	RT	3	HS	100.0	70	30	70	Hardwood	2	3	1	0	0
								Conifer	0	0	0	0	0
								Hardwood	15	3	0	0	0



Name: SIXES
 Date: 4/24/100
 Scale: 1 inch equals 2000 feet

Location: 10 382344 E 4738880 N
 Caption: BEAVER CREEK
 RESTORATION SITE
 ODFW 1999