

REACH 1

T29S-R11W-S21NW

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 4.2		VWI Range: 2 - 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	565	870	0
Secondary	10	7	0

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	1.3	Width	4.8	7.0	9.9
Depth	0.23	Height	0.5	0.9	2.9
		W:D ratio	10.2	Entrenchment	1.5
Stream Flow Type:	LF	Water temp (C): 14.5 - 14.5			
Avg. Unit Gradient:	1.2%	Habitat Units/100m: 9.2			

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	TH
Riparian Vegetation:	M30	G

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	12%	Reach avg: 91%
Undercut Banks:	19%	Range: 75 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m</u>
All pieces (>=3m x 0.15m):	21	3.7
Volume (m ³):	17	3.0
Key pieces (>=10m x 0.60m):	0	0.0

OREGON DEPARTMENT OF FISH AND WILDLIFE

KING CREEK - UPPER PRE-TX (MS-167)

HABITAT INVENTORY

Report Date: 3/17/03

Survey Date:

7/8/02

REACH 1		T29S-R11W-S21NW					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	Cbl	Bldr	Bdrk
POOL-BACKWATER	2	4	0.8	0.40	3	0	8	66	24	0	0	2
POOL-DAMMED	1	6	0.6	0.35	3	0	0	45	27	5	14	9
POOL-LATERAL SCOUR	24	332	1.7	0.43	627	1	0	36	57	5	1	1
RIFFLE	19	219	0.9	0.02	234	4	0	27	64	7	2	1
STEP/COBBLE	5	15	0.6	0.01	10	0	0	18	73	8	1	0
STEP/LOG	1	0	1.3	0.01	0	0	0	20	45	20	15	0
Total:	52	575	1.3	0.23	878	5	Avg	0	32	59	6	1

HABITAT SUMMARY									
Habitat Group	Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area		Large Boulders		
					(m ²)	Percent	Number	(# / 100m ²)	
Dammed & BW Pools	3	9	0.7	0.38	6	0.68%	0	0.0	
Scour Pools	24	332	1.7	0.43	627	71.48%	1	0.2	
Glides	0	0			0	0.00%	0	0.0	
Riffles	19	219	0.9	0.02	234	26.71%	4	1.7	
Rapids	0	0			0	0.00%	0	0.0	
Cascades	0	0			0	0.00%	0	0.0	
Step/Falls	6	15	0.7	0.01	10	1.13%	0	0.0	
Dry	0	0			0	0.00%	0	0.0	
Culverts	0	0			0	0.00%	0	0.0	

POOL SUMMARY		
	Total	# / Km
All Pools:	27	47.8
Pools >=1m deep:	1	1.8
Complex pools (LWD pieces>=3):	1	1.8
Pool frequency (channel widths/pool):	4.4	
Residual pool depth (avg):	0.40	

RIPARIAN ZONE VEGETATION SUMMARY

REACH 1 **REACH 1**

Summary of Riparian Zone (0-30m) 3 transects

Total hardwoods/1000	488
Total conifers/1000 ft	284
Total conifers >20" dbh/1000 ft	142
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	3.3	0.0	0.3	0.7	1.3	0.7	5.0
15-30cm	0.3	0.3	0.7	0.0	0.0	0.7	1.0	1.3
30-50cm	0.0	0.3	0.0	0.0	0.7	1.0	0.7	1.3
50-90cm	0.3	0.0	1.3	0.0	0.7	0.3	2.3	0.3
>90cm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total/100m2	0.7	4.0	2.0	0.3	2.0	3.3	1.6	2.7

Canopy closure and ground cover

	Zone 1 0-10 meters (%)	Zone 2 10 - 20 meters (%)	Zone 3 20 - 30 meters (%)
Canopy closure	69	70	48
Shrub cover	37	19	21
Grass/forb cover	38	49	55

Predominant landform in each zone

	Zone 1 0-10 meters (%)	Zone 2 10 - 20 meters (%)	Zone 3 20 - 30 meters (%)
Hillslope	33	83	67
High terrace	0	0	0
Low terrace	0	0	0
Floodplain	33	0	0
Wetland/meadow	0	0	0
Stream channel	0	0	0
Roadbed/Railroad	17	17	33
Riprap	0	0	0
Surface slope (%)	10	35	25

RIPARIAN ZONE VEGETATION

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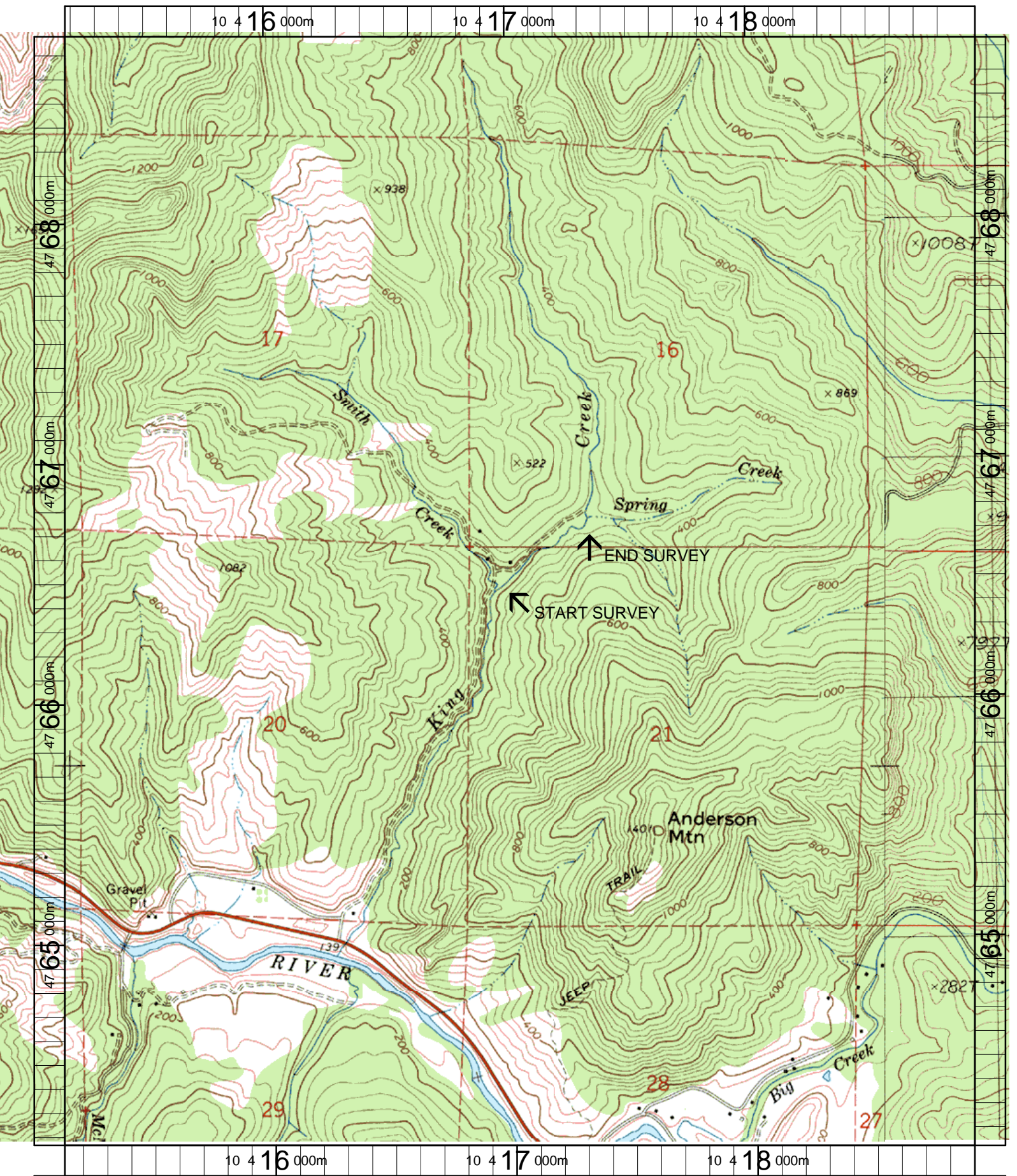
Unit	Side	Zone	Surface	Slope	Cover (percent)				Diameter class (cm)					Notes	
					Canopy	Shrub	Grass		3-15	15-30	30-50	50-90	>90		
15	LF	1	RB	0	25	15	10	Conifer							
								Hardwood	1	1					
15	LF	2	HS	80	80	25	75	Conifer							
								Hardwood	1						
15	LF	3	HS	45	0	25	75	Conifer							
								Hardwood							
15	RT	1	FP	0	100	60	15	Conifer							
								Hardwood	1						
15	RT	2	HS	50	100	5	85	Conifer		1		2			
								Hardwood							
15	RT	3	HS	39	100	5	85	Conifer	1		2	1			
								Hardwood	4						
23	LF	1	HS	20	75	30	70	Conifer							
								Hardwood		1					
23	LF	2	HS	15	60	5	20	Conifer							OLD ROAD BED
								Hardwood							
23	LF	3	RB	0	0	20	5	Conifer							
								Hardwood							
23	RT	1	FP	10	60	70	25	Conifer							
								Hardwood	2						
23	RT	2	HS	35	90	70	10	Conifer				2			
								Hardwood							
23	RT	3	HS	35	90	70	10	Conifer				1			
								Hardwood							
34	LF	2	RB	8	0	5	40	Conifer							
								Hardwood							
34	LF	3	RB	5	0	0	90	Conifer	1						
								Hardwood							
34	LF	34	HT	15	10	65	30	Conifer							
								Hardwood		1					
34	RT	1	HS	19	85	10	70	Conifer		1		1			
								Hardwood	6						
34	RT	2	HS	19	90	5	65	Conifer		1					
								Hardwood							
34	RT	3	HS	25	100	5	65	Conifer							
								Hardwood		2	3	1			

Comment Summary

Oregon Plan Monitoring Sites 2002

MONITORING AREA: 3-MS SITE ID: 167 KING CREEK - UPPER PRE-TX (MS-1)

UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTE ESTIMATOR	NOTE NUMERATOR
2	RI	00	17.5			NEWT
3	LP	00	35.2		JUVENILE COHO	COHO
4	SC	00	39.2			COHO
13	SL	00	115.1		H = .2	H = .2
15	LP	00	151.1		RIPARIAN @ TOP, PHOTO	
17	LP	00	203.9		JUVENILE COHO	
18	SC	00	204.4			FLAG "KING CR SITE #2"
21	LP	00	243.9		JUVENILE COHO	
23	LP	00	263.1		RIPARIAN AT BOTTOM, P	
26	SC	00	284.9		YELLOW BELLIED NEWT	
27	LP	00	296.9		20 TO 30 - 5" COHO	ORANGE FLAG
31	LP	00	353.5			T = 14.5
35	RI	00	403.4			FLAG "KING CR SITE #19"
47	RI	00	497.8			FLAG
50	LP	00	553.1			ORANGE FLAG "SITE #24"
51	RI	01	565.4	TJ/	END SURVEY, T = 15	



Name: BRIDGE
 Date: 3/20/2003
 Scale: 1 inch equals 1666 feet

Location: 10 417034 E 4766455 N
 Caption: KING CREEK (UPPER) RESTORATION SITE - MF
 COQUILLE BASIN