

**ODFW AQUATIC INVENTORY PROJECT**  
**OREGON PLAN FOR SALMON & WATERSHEDS**  
**STREAM RESTORATION HABITAT REPORT**

STREAM: Yellow Creek (U-262)  
BASIN: Umpqua River  
SURVEY TYPE: Post-Tx  
DATE: July 6, 2006  
SURVEY CREW: Jennifer Jacobs, Andy Livesay  
REPORT PREPARED BY: Paul Jacobsen  
BASIN AREA: 54.1 km<sup>2</sup>  
USGS MAPS: Tyee Mountain, Yellow Butte  
ECOREGION: Coast Range Sedimentary

**GENERAL DESCRIPTION:**

The Yellow Creek habitat survey extended 5,480 meters. The channel was constrained by terraces in a broad valley floor. The average valley width index was 4.2 (range: 1.0-20.0). Land use for the reach was second growth (15-30 cm dbh) and mature (50-90 cm dbh) trees. The average unit gradient was 1.5 percent. Scour pools (42%) and riffles (38%) dominated stream habitat. Bedrock (34%) and cobble (22%) dominated stream substrate. Wood volume was low at 12.3 m<sup>3</sup>/100m.

**COMMENTS:**

There were no potential barriers to upstream fish migration in the surveyed length.

The crew noted several habitat structures during the survey.

REACH 1

T24S-R07W-S12SE

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	4.2	VWI Range:	1 - 20

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 Channel	5,480	43,075	0
Secondary Channel	931	4,253	21
Off-Channel Units	129	249	0

Channel Dimensions (m)

<u>Wetted</u>	<u>Active</u>	<u>Floodprone</u> n = 23	<u>First Terrace</u> n = 18
Width: 6.8	Width: 14.0	20.1 ( 10.1 - 46.9 )	22.2 ( 14.3 - 42.6 )
Depth: 0.34	Height: 0.8	1.6 ( 1.3 - 1.9 )	2.4 ( 1.7 - 4.54 )

W:D ratio: 18.2

Entrenchment (ACW:FPW ratio): 1.4

Stream Flow Type: MF

Habitat Units/100m (total channel length): 4.8

Average Unit Gradient: 1.5%

Habitat Units/100m (primary channel length): 5.7

Water temperature (°C): 14.0 - 14.0

**Riparian, Bank, and Wood Summary**

	<u>Primary</u>	<u>Secondary</u>
Land Use:	ST	MT
Riparian Vegetation:	D15	D30

Bank Condition and Shade

<u>Bank Status</u>	<u>Percent Reach Length</u>	<u>Shade (% of 180)</u>
Actively Eroding:	5%	Reach avg: 77%
Undercut Banks:	8%	Range: 39 - 100

Large Wood Debris

	<u>Total</u>	<u>Total / 100m primary channel</u>
All pieces (>=3m x 0.15m):	585	10.7
Volume (m <sup>3</sup> ):	672	12.3
Key pieces (>=12m x 0.60m):	34	0.6

OREGON DEPT OF FISH AND WILDLIFE

YELLOW CREEK POST-TX (4-UJP, 262)

HABITAT INVENTORY

Report Date: 3/5/2007

Survey Date:

7/18/2006

REACH 1

T24S-R07W-S12SE

REACH 1

HABITAT DETAIL

Habitat Type	Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m <sup>2</sup> )	Large Boulders (#>0.5m)	Substrate Percent Wetted Area					
							S/O	Snd	Grvl	Cbl	Bldr	Bdrk
CASCADE/BEDROCK	6	104	5.5	0.13	629	47	0	2	3	5	8	83
CASCADE/BOULDERS	7	135	3.9	0.10	789	167	0	5	10	52	33	0
CULVERT CROSSING	1	18	0.2	0.02	4	0	0	0	25	25	25	25
DRY UNIT	21	696	5.2	0.00	3,602	21	3	66	10	14	5	2
GLIDE	2	30	3.1	0.13	96	6	3	8	75	15	0	0
POOL-BACKWATER	3	31	1.8	0.42	55	0	15	16	37	19	0	12
POOL-BEAVER DAM	2	18	3.9	0.58	70	0	15	15	33	38	0	0
POOL-ISOLATED	3	12	3.1	0.22	40	0	31	38	11	3	0	16
POOL-LATERAL SCOUR	123	2,494	7.4	0.67	19,205	829	6	12	14	18	14	37
POOL-PLUNGE	3	32	4.7	0.43	284	46	7	8	3	17	21	44
POOL-STRAIGHT SCOUR	3	45	8.2	0.55	384	15	3	12	15	24	21	24
RAPID/BEDROCK	2	35	9.2	0.13	315	7	0	4	4	14	4	74
RAPID/BOULDERS	9	200	7.2	0.14	1,462	158	0	4	9	38	37	11
RIFFLE	74	2,373	7.5	0.13	18,282	957	1	5	15	32	16	32
STEP/BEAVER DAM	3	2	2.0	0.03	3	0	5	20	49	26	0	0
STEP/BEDROCK	28	170	8.1	0.06	1,525	47	0	1	2	2	2	92
STEP/BOULDERS	9	62	5.8	0.15	423	106	0	3	9	16	65	7
STEP/COBBLE	13	84	4.9	0.19	409	5	0	6	28	57	8	1
STEP/STRUCTURE	1	1	0.4	0.02	0	0	0	0	0	25	25	50
<b>Total:</b>	<b>313</b>	<b>6,539</b>	<b>6.8</b>	<b>0.34</b>	<b>47,576</b>	<b>2,411</b>	<b>Avg: 3</b>	<b>12</b>	<b>14</b>	<b>22</b>	<b>14</b>	<b>34</b>

HABITAT SUMMARY

Habitat Group	Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Wetted Area		Large Boulders	
					(m <sup>2</sup> )	Percent	Number	(# / 100m <sup>2</sup> )
Dammed & BW Pools	8	60	2.8	0.39	164	0.35%	0	0.0
Scour Pools	129	2,571	7.4	0.66	19,873	41.77%	890	4.5
Glides	2	30	3.1	0.13	96	0.20%	6	6.3
Riffles	74	2,373	7.5	0.13	18,282	38.43%	957	5.2
Rapids	11	235	7.5	0.14	1,777	3.73%	165	9.3
Cascades	13	239	4.6	0.11	1,418	2.98%	214	15.1
Step/Falls	54	319	6.4	0.10	2,360	4.96%	158	6.7
Dry	21	696	5.2	0.00	3,602	7.57%	21	0.6
Culverts	1	18	0.2	0.02	4	0.01%	0	0.0

REACH 1

T24S-R07W-S12SE

REACH 1

**POOL SUMMARY**

	<u>Total</u>	Total of all Channel Lengths <u># / Km</u>	Primary Channel Length <u># / Km</u>
All Pools:	137	21.0	25.0
Pools >=1m deep:	14	2.1	2.6
Complex pools (LWD pieces>=3):	37	5.7	6.8
Pool frequency (channel widths/pool):	3.4		
Residual pool depth (avg):	0.56		

OREGON DEPARTMENT OF FISH AND WILDLIFE  
HABITAT INVENTORY

YELLOW CREEK POST-TX  
GCG: 4-UMP SITE ID: 262

Survey Date 7/6/2006  
Report Date: 3/5/2007

RIPARIAN ZONE  
VEGETATION SUMMARY

REACH 1

Summary of Riparian Zone (0-30m) 21 transects

Total hardwoods/1000	761
Total conifers/1000 ft	232
Total conifers >20" dbh/1000 ft	9
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	3.6	0.3	2.1	0.5	1.0	1.0	6.7
15-30cm	0.4	3.1	0.6	0.9	1.0	0.9	1.9	4.9
30-50cm	0.1	0.4	0.1	0.1	0.4	0.1	0.7	0.6
50-90cm	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.2
>90cm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total/100m2	0.8	7.2	1.0	3.2	2.0	2.0	1.3	4.2

Canopy closure and ground cover

	Zone 1 0-10 meters		Zone 2 10 - 20 meters		Zone 3 20 - 30 meters	
	(%)		(%)		(%)	
Canopy closure	64		56		61	
Shrub cover	43		34		30	
Grass/forb cover	39		43		51	

Predominant landform in each zone

	Zone 1 0-10 meters		Zone 2 10 - 20 meters		Zone 3 20 - 30 meters	
	(%)		(%)		(%)	
Hillslope	40		48		67	
High terrace	43		29		21	
Low terrace	0		0		0	
Floodplain	12		5		5	
Wetland/meadow	0		0		0	
Stream channel	0		0		0	
Roadbed/Railroad	5		19		7	
Riprap	0		0		0	
Surface slope (%)	26		26		36	

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

21 transects

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

Total hardwoods/1000	761
Total conifers/1000 ft	232
Total conifers >20" dbh/1000 ft	9
Total conifers >35" dbh/1000 ft	0

**Average number of trees in a 5-m wide band**

Diameter class (cm)	Zones 1-3	
	<u>0-30 meters</u>	
	<u>Conifer</u>	<u>Hardwood</u>
3-15cm	1.0	6.7
15-30cm	1.9	4.9
30-50cm	0.7	0.6
50-90cm	0.1	0.2
>90cm	0.0	0.0

**RIPARIAN ZONE VEGETATION**

Reach 1

Reach 1

Unit	Side	Zone	Surface	Slope	Cover (percent)				Diameter class (cm)					Notes	
					Canopy	Shrub	Grass		3-15	15-30	30-50	50-90	>90		
14	RT	3	HT	0	0	0	100	Conifer							PASTURE
								Hardwood							
14	RT	2	HT	0	0	0	100	Conifer							PASTURE
								Hardwood							
14	RT	1	HT	0	65	45	20	Conifer		1					LANDOWNER YARD WASTE ON BANK
								Hardwood							BLACKBERRY THICKET
14	LF	3	HS	45	75	100	0	Conifer							
								Hardwood	1						
14	LF	2	HS	20	30	100	0	Conifer							HT/HS, BLACKBERRY THICKET
								Hardwood							
14	LF	1	HT	0	60	70	30	Conifer							
								Hardwood		3					
26	RT	3	HT	0	0	0	100	Conifer	1						
								Hardwood	3	3					
26	LF	2	HT	0	85	10	5	Conifer							
								Hardwood							
26	LF	3	HS	45	85	10	5	Conifer							
								Hardwood							
26	RT	1	HT	0	0	40	50	Conifer							RESIDENTIAL LOT, DRIVEWAY & LAWN NEAR HOME & ART BLDGS
								Hardwood	7	8					
26	RT	2	HT	0	0	0	100	Conifer							
								Hardwood	2	3					
26	LF	1	HT	0	75	10	10	Conifer							
								Hardwood		1					
39	LF	2	HT	0	0	80	20	Conifer							
								Hardwood	1						
39	RT	3	HT	0	40	60	30	Conifer							
								Hardwood		2					
39	LF	1	HT	0	80	40	40	Conifer							
								Hardwood	3	1					
39	RT	1	HT	0	90	35	60	Conifer							
								Hardwood	3	4					
39	RT	2	RB	0	60	15	15	Conifer							HT/RB
								Hardwood		1					
39	LF	3	HT	0	20	75	30	Conifer				1			HT/HS
								Hardwood	1						

48	RT	2	HT	0	0	100	0	Conifer					
								Hardwood			1		
48	LF	1	HT	0	90	10	25	Conifer					
								Hardwood	2	5	1		
48	RT	3	HT	0	0	100	0	Conifer					
								Hardwood			1		
48	RT	1	HT	0	40	70	15	Conifer					
								Hardwood	2	3			
48	LF	3	HT	0	0	10	85	Conifer					BROKEN FERNS
								Hardwood					
48	LF	2	HT	0	20	50	40	Conifer					
								Hardwood					
71	LF	2	FP	0	90	30	40	Conifer					
								Hardwood					
71	LF	3	FP	0	90	0	40	Conifer					FP/HS, BARE SAND
								Hardwood			1		
71	RT	1	RB	50	50	40	10	Conifer					HS/RB
								Hardwood	1	1			
71	RT	2	HS	50	65	40	50	Conifer					
								Hardwood	3				
71	RT	3	HS	40	85	20	80	Conifer				1	
								Hardwood	1				
71	LF	1	FP	0	80	80	10	Conifer			3		
								Hardwood					
93	RT	1	HT	0	80	60	30	Conifer					
								Hardwood	6				
93	RT	2	HT	0	50	70	20	Conifer					
								Hardwood	2	1			
93	LF	2	HS	50	30	100	0	Conifer					
								Hardwood	3				
93	RT	3	HT	0	60	30	20	Conifer					HT/RB
								Hardwood	4				
93	LF	3	HS	75	75	40	40	Conifer					
								Hardwood	1	1			
93	LF	1	HT	0	0	100	0	Conifer					
								Hardwood	2				
111	LF	1	HT	0	70	70	25	Conifer					
								Hardwood	7	3			
111	LF	2	HT	0	85	50	40	Conifer					
								Hardwood	2	1			
111	LF	3	RB	0	0	10	90	Conifer					HT/RB
								Hardwood					
111	RT	1	HT	0	65	10	20	Conifer					
								Hardwood	5	4			
111	RT	2	HT	0	90	0	15	Conifer					
								Hardwood	2	3			





165	RT	2	HS	90	10	85	10	Conifer						
								Hardwood						
165	RT	1	HS	90	30	60	30	Conifer		1				
								Hardwood						
180	LF	1	HT	0	85	40	55	Conifer			1			
								Hardwood	5					
180	LF	2	HS	80	75	10	80	Conifer		1				
								Hardwood	3	1				
180	LF	3	HS	80	80	25	60	Conifer		1				
								Hardwood	2	1				
180	RT	1	RB	0	40	35	10	Conifer						HS/RB
								Hardwood	5	1				
180	RT	2	HS	50	60	55	30	Conifer		1				
								Hardwood	1					
180	RT	3	HS	50	80	10	60	Conifer	3	1				
								Hardwood						
194	LF	3	HS	65	80	35	50	Conifer						
								Hardwood	2	2				
194	LF	1	HS	30	50	60	40	Conifer						
								Hardwood	1					
194	LF	2	HS	55	85	40	40	Conifer						
								Hardwood	2		1			
194	RT	1	HT	0	75	60	30	Conifer						FP/HT
								Hardwood		3				
194	RT	3	HT	0	50	40	20	Conifer						HT/RB
								Hardwood	1					
194	RT	2	HT	0	75	30	60	Conifer						
								Hardwood	2	1	1	1		
205	LF	3	HS	55	70	35	65	Conifer		1				
								Hardwood						
205	LF	2	HS	40	50	65	30	Conifer						HT/HS
								Hardwood	1	1				
205	RT	1	HS	90	75	10	85	Conifer						HS/RB
								Hardwood	1	4				
205	RT	2	RB	0	50	30	20	Conifer						RB/HS
								Hardwood						
205	RT	3	HS	85	75	80	20	Conifer						
								Hardwood		3				
205	LF	1	FP	0	50	60	40	Conifer						FP/HT
								Hardwood	1	2				
221	LF	1	HT	0	70	35	65	Conifer						
								Hardwood		2				
221	LF	2	RB	0	70	25	60	Conifer						RB/HS
								Hardwood	3					
221	LF	3	HS	50	85	10	70	Conifer		3				
								Hardwood						

221	RT	1	HS	40	0	35	65	Conifer	1			
								Hardwood				
221	RT	2	RB	0	0	5	40	Conifer	1	2		RB/HS
								Hardwood	2			
221	RT	3	HS	40	75	20	75	Conifer				
								Hardwood				
233	RT	3	HS	80	90	35	55	Conifer				
								Hardwood	1	2		
233	LF	1	HS	120	90	10	85	Conifer				
								Hardwood	1		2	
233	LF	2	HS	120	85	20	70	Conifer		2		
								Hardwood				
233	LF	3	HS	100	70	10	85	Conifer			1	
								Hardwood				
233	RT	1	HS	90	85	55	40	Conifer				
								Hardwood	2	1		
233	RT	2	HS	90	85	20	70	Conifer				
								Hardwood	4			
247	RT	1	HS	50	90	30	40	Conifer				HT/HS
								Hardwood				
247	LF	1	HS	45	85	40	30	Conifer				HT/HS
								Hardwood	5		1	
247	LF	3	HS	30	50	40	30	Conifer			1	
								Hardwood				
247	RT	2	HS	95	90	35	55	Conifer				
								Hardwood				
247	RT	3	HS	30	90	35	55	Conifer			1	
								Hardwood	2			
247	LF	2	HS	30	75	30	60	Conifer	1	1		
								Hardwood				
259	LF	1	FP	0	0	50	50	Conifer				
								Hardwood				
259	LF	2	FP	0	0	80	20	Conifer				
								Hardwood				
259	LF	3	FP	0	50	90	10	Conifer				
								Hardwood				
259	RT	1	HS	40	40	90	10	Conifer	1			
								Hardwood				
259	RT	2	HS	60	70	30	60	Conifer				
								Hardwood		3		
259	RT	3	HS	60	85	10	75	Conifer		1		
								Hardwood		1		
265	RT	3	HS	70	90	10	80	Conifer	1	2		
								Hardwood				
265	LF	2	HS	30	80	0	60	Conifer		1		1
								Hardwood				

265	LF	3	HS	40	85	0	60	Conifer		1	
								Hardwood			2
265	RT	1	FP	0	80	40	40	Conifer			
								Hardwood		1	
265	RT	2	HS	80	90	10	85	Conifer			
								Hardwood		1	
265	LF	1	HS	25	80	5	75	Conifer			
								Hardwood			1
279	LF	2	HS	40	50	40	60	Conifer			
								Hardwood	2		
279	LF	3	HS	40	90	10	70	Conifer	1	2	
								Hardwood			
279	RT	1	HS	85	75	35	60	Conifer		2	
								Hardwood		1	
279	RT	2	HS	20	85	10	90	Conifer		1	1
								Hardwood			
279	RT	3	HS	20	85	25	70	Conifer		1	
								Hardwood			
279	LF	1	HS	50	70	25	70	Conifer	1		
								Hardwood			1
294	LF	3	HS	60	85	35	55	Conifer	1	1	
								Hardwood			
294	LF	2	HS	60	90	20	70	Conifer		1	
								Hardwood			
294	RT	2	HS	3	65	30	60	Conifer			
								Hardwood			1
294	LF	1	HS	150	75	30	40	Conifer	2		
								Hardwood		1	
294	RT	1	HS	5	75	60	40	Conifer			
								Hardwood		2	
294	RT	3	HS	5	75	20	65	Conifer		1	1
								Hardwood			

HS/FP

# Comment Summary

## Restoration Monitoring Sites 2006

MONITORING AREA: 4-UMP    SITE ID: 262    YELLOW CREEK POST-TX

UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTE ESTIMATOR	NOTE NUMERATOR
1	SR	00	15			T=16.0C
3	SR	00	48	BC		
8	RI	00	104.5		RSN	
10	RI	00	191.5	HS		PLACED BOULDERS
11	SR	00	206.5	HS		PLACED BOULDERS
14	LP	00	257	HS	0461025-4815423	PLACED BOULDERS
15	SR	00	271.5	HS		PLACED BOULDERS
18	LP	00	323	SD		SMALL 2" DIA IRRIGATION
22	LP	00	392.5	HS		PLACED BOULDERS
23	RI	00	430.5	HS		PLACED BOULDERS
24	LP	00	458.5		CONCERNED LANDOWNER -	
25	RI	00	480.5		WITH JAM & FLOODING	
26	LP	00	499.5	HS	2D-0461236-4815517	PLACED BOULDERS
27	RI	00	526.5	HS		PLACED BOULDERS & LO
28	LP	00	540.5	HS		PLACED BOULDERS
32	RI	00	631			SOME VERY LARGE BOUL
34	PP	00	666			2M+ BOULDERS
35	SB	00	666.5	PN	H=0.65M	PN TO FRY, LARGE BOUL
36	LP	00	683.5			2M+ BOULDERS
39	RB	00	764.5		2D-0461491-4815523	
42	LP	00	828.5			SMALL PUMP

# Comment Summary

## Restoration Monitoring Sites 2006

MONITORING AREA: 4-UMP    SITE ID: 262    YELLOW CREEK POST-TX

UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTE ESTIMATOR	NOTE NUMERATOR
48	SC	01	966		3D-0461669-4815594	
49	BW	10	966	BV		ORANGE GROWTH
51	RI	01	1068			COHO FRY
53	SC	01	1107.5	BV		
56	LP	03	1107.5	BV		
57	DU	03	1107.5	BV		
64	LP	01	1260.5	DJ		MULTIPLE ALDERS IN STR
65	DU	02	1260.5		EST. DUE TO BRUSH -VERY	
71	LP	01	1322.5	CS	3D-0461940-4815780	
72	RI	01	1337.5		DONE WITH 02 ON LEFT DU	
73	DU	03	1337.5		PROLIFERATION OF 02'S TH	
75	LP	01	1349.5	BV		
79	LP	01	1443	BV		PARTLY BUILT BV DAM
85	GL	02	1484	BV		
86	SD	02	1484	BD		VERY SMALL BV DAM
87	BP	02	1484	BV		
89	SD	02	1484	BD		VERY SMALL BV DAM
90	BP	02	1484	BV		
91	SD	02	1484	BD		SMALL BV DAM
92	LP	00	1490.9		3D-0462139-4815871	
95	LP	01	1608.9	BV		

# Comment Summary

## Restoration Monitoring Sites 2006

MONITORING AREA: 4-UMP    SITE ID: 262    YELLOW CREEK POST-TX

UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTE ESTIMATOR	NOTE NUMERATOR
102	LP	03	1653.9			DEAD LAMPFRAY 5 INCHES
111	RI	00	1731.9		3D-0462378-4815911	
113	RI	00	1827.9			RESTORATION WOOD ON
117	RI	01	1947.9	HS		LOGS HALFWAY IN STRE
119	RI	01	2011.9		2D-0462629-4815826	
121	LP	02	2011.9			2M+ BOULDERS
122	RR	01	2030.9	/TJ	T=13.5	
124	LP	11	2030.9	PA	LEADS TO CC W/TIDES IN B	CC AHEAD OF POOL ON T
127	LP	00	2085.4	/SS		
131	RB	00	2189.4		2D-0462711-4815487, SITE #5	
132	LP	00	2206.4			2M+ BOULDERS
140	RI	01	2325.1	TJ/		LOGS WAITING TO GO IN
141	CB	11	2325.1		T=13.5C, ACW=2.50M	
146	SR	00	2387.6	/CE		DRY
148	RI	00	2452.6	/SS	3D-0462906-4816039	LOGS WAITING ON SIDE -
149	RI	00	2474.4	/SS		
154	LP	00	2554.3			RESTORATION SITE #9
159	SR	00	2613.8	/SS		
164	LP	00	2693.3		2D-0463097-4816257	
169	LP	00	2783.8		CH,MV,D15,S,ST	
171	RI	01	2883.8	/TJ		

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172	SC	11	2883.8		ON MAP, T=14.0C	
173	PP	11	2883.8	CE		
174	SS	11	2883.8		H=0.90M	CULVERT
175	CC	11	2883.8	CC		METAL
177	RI	00	2924.3	BC	SALMON SPAWN SRVY STA	
180	SR	00	2962.8		2D-0463320-4816361	
181	RI	00	2986.8	/CE		DRY CULVERT
182	LP	01	2996.8			RESTORATION SITE #11
184	SR	00	3001.3		HAB SITE FLAGGED	
189	LP	00	3106.8			RESTORATION SITE #12
194	RI	00	3261.3		3D-0463575-4816410	
197	LP	00	3297.8	/CE	CA,CT,D15,S,ST	
199	RI	00	3353.8	WL	SALAMANDER SPP UNKNO	GIANT PACIFIC SALAMAN
203	RB	00	3414.8	/CE		
205	RI	00	3475.8		0463838-4816488, CH,MV,S,S	
207	RI	01	3554.8	/TJ		
212	SR	01	3616.3	/SS		
217	LP	00	3650.8			COHO
219	BW	10	3666.8			COHO
221	RI	00	3737.8	HS	3D-0464068-4816586	PLACED BOULDERS
223	RI	00	3812.3	HS		PLACED BOULDERS & LO



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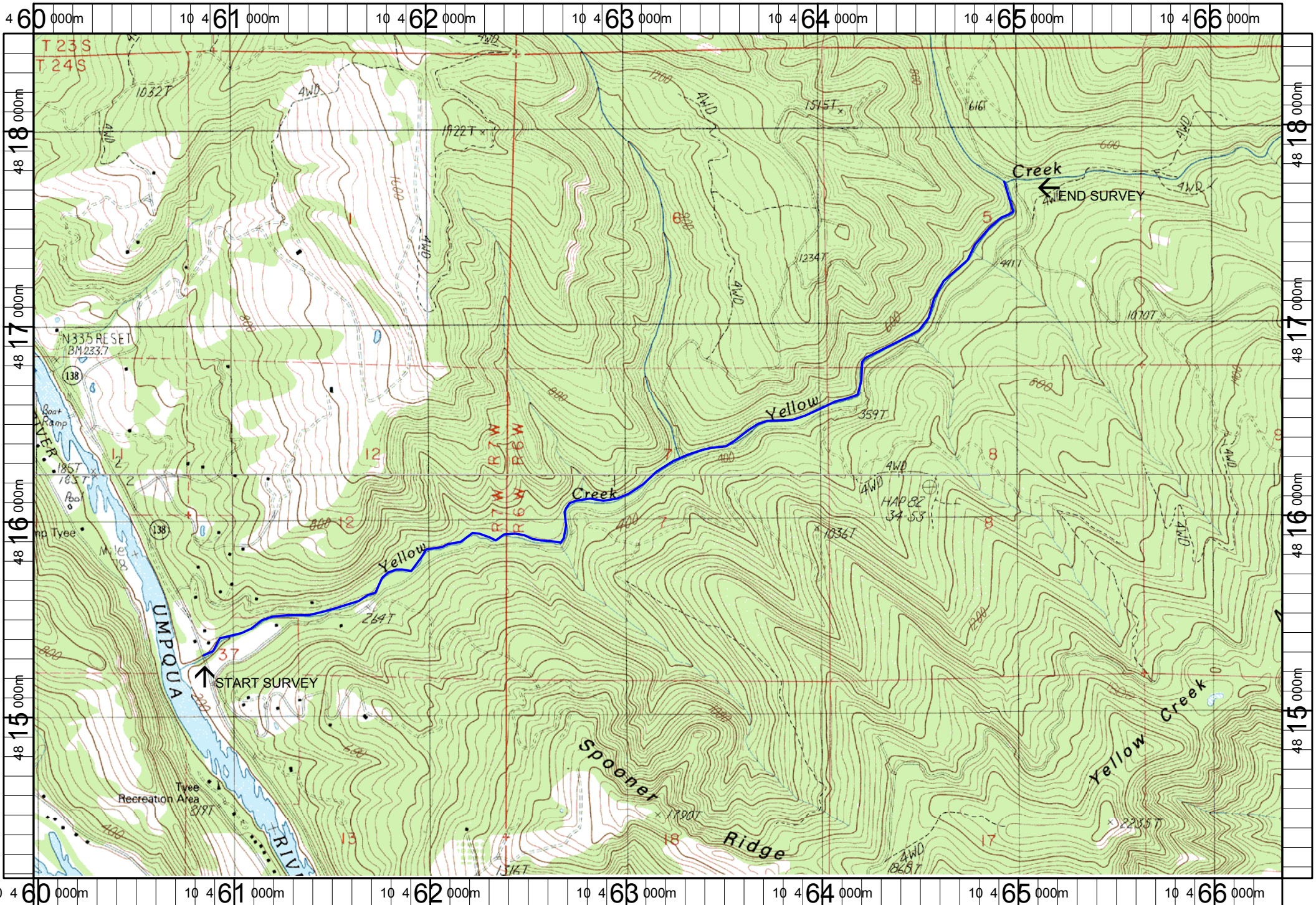
<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
224	LP	00	3829.3	HS, WL		RED-LEGGED FROG
225	SB	01	3839.3	HS		
226	LP	01	3856.3	HS		
227	RI	01	3883.3	DJ		
228	RI	02	3883.3	HS		
229	LP	02	3883.3	HS		
230	DU	02	3883.3		SUBSURFACE FLOW	
232	LP	00	3935.3	/SS		
233	CR	00	3961.3		CH,SV,D30,ST,LT	
234	LP	00	3971.3	BV, DJ		DJ ACROSS HALF OF CHA
244	LP	00	4138.3			VERY LARGE BOULDERS
247	RI	00	4214.8		0464305-4816873	
253	SB	01	4392.3	/TJ		
254	CR	11	4392.3		ON MAP	
259	RI	02	4476.3	BV	0464544-4816960	COHO FRY?
260	LP	00	4557.3	BV		
262	LP	00	4603.3		US,WF,S,D15,ST	
265	RI	00	4704.3	WL	3D-0464633-4817185	RED-LEGGED FROG
270	LP	01	4822.8	/TJ, BV		
274	BW	10	4843.8			COHO FRY
276	SC	00	4862.8	BV		

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279	LP	00	4987.8		0464791-4817594	
282	RB	01	5045.8	/TJ	SALMON SPAWNING SURVE	
287	SB	00	5107.8			WOULD BE SR IN HIGH FL
294	SR	00	5216.5		2D-0464945-4817551	
303	LP	01	5308	/TJ		SMALL TRIB
312	RI	00	5467		METRIC INFLUENCED BY BE	
313	LP	00	5479.5		0464978-4817703	END SIGN LEFT BELOW T



Name: TYEE MT  
 Date: 6/13/2005  
 Scale: 1 inch equals 2000 feet

Location: 10 463172 E 4816321 N  
 Caption: YELLOW CREEK RESTORATION SITE - UMPQUA BASIN