

OREGON DEPARTMENT OF FISH AND WILDLIFE CLACKAMAS SIDE CHANNEL UPPER (L-270)
HABITAT INVENTORY Report Date: 10/27/2004 Survey Date: 10/25/2004

REACH 1		T02S-R03E-S22NW					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	
DRY CHANNEL	1	80	6.0	0.00	480	0	0	11	33	56	0	0	
GLIDE	3	133	4.6	0.35	622	0	15	26	28	31	0	0	
POOL-LATERAL SCOUR	12	259	4.3	0.98	1,179	5	21	29	24	25	1	0	
RIFFLE	1	29	2.4	0.10	70	1	0	10	50	40	1	0	
STEP/COBBLE	7	48	2.2	0.09	103	0	5	15	54	26	0	0	
Total:	24	548	3.7	0.56	2,454	6	Avg: 14	23	35	28	0	0	

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	0	0			0	0.00%	0	0.0	
Scour Pools	12	259	4.3	0.98	1,179	48.05%	5	0.4	
Glides	3	133	4.6	0.35	622	25.35%	0	0.0	
Riffles	1	29	2.4	0.10	70	2.84%	1	1.4	
Rapids	0	0			0	0.00%	0	0.0	
Cascades	0	0			0	0.00%	0	0.0	
Step/Falls	7	48	2.2	0.09	103	4.19%	0	0.0	
Dry	1	80	6.0	0.00	480	19.56%	0	0.0	
Culverts	0	0			0	0.00%	0	0.0	

POOL SUMMARY			
	Total of all Channel Lengths		Primary Channel Length
	<u>Total</u>	<u># / Km</u>	<u># / Km</u>
All Pools:	12	21.9	25.6
Pools >=1m deep:	6	10.9	12.8
Complex pools (LWD pieces>=3):	10	18.2	21.4
Pool frequency (channel widths/pool):			
Residual pool depth (avg):	0.86		

RIPARIAN ZONE VEGETATION SUMMARY

REACH 1	REACH 1
Summary of Riparian Zone (0-30m) 3 transects	
Total hardwoods/1000	224
Total conifers/1000 ft	41
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	0.3	0.0	0.7	0.0	1.0	0.0	2.0
15-30cm	0.0	0.0	0.0	0.3	0.0	0.7	0.0	1.0
30-50cm	0.0	0.0	0.0	0.7	0.7	0.0	0.7	0.7
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/100m2	0.0	0.3	0.0	1.7	0.7	1.7	0.2	1.2

Canopy closure and ground cover

	Zone 1 0-10 meters (%)	Zone 2 10 - 20 meters (%)	Zone 3 20 - 30 meters (%)
Canopy closure	4	12	21
Shrub cover	27	48	46
Grass/forb cover	22	38	42

Predominant landform in each zone

	Zone 1 0-10 meters (%)	Zone 2 10 - 20 meters (%)	Zone 3 20 - 30 meters (%)
Hillslope	17	17	17
High terrace	83	83	83
Low terrace	0	0	0
Floodplain	0	0	0
Wetland/meadow	0	0	0
Stream channel	0	0	0
Roadbed/Railroad	0	0	0
Riprap	0	0	0
Surface slope (%)	17	13	10

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		
6	LF	2	HT	0	5	75	25	Conifer							
								Hardwood		1					
6	LF	3	HT	0	0	80	20	Conifer							
								Hardwood							
6	RT	1	HT	4	0	40	0	Conifer							60 PERCENT GRAVEL
								Hardwood							
6	RT	2	HT	10	5	70	10	Conifer							
								Hardwood	2						
6	RT	3	HT	0	5	5	20	Conifer							75 PERCENT GRAVEL
								Hardwood	2						
6	LF	1	HT	5	5	20	10	Conifer							70 PERCENT BARE
								Hardwood	1						
9	RT	2	HT	2	15	40	40	Conifer							20 PERCENT BARE
								Hardwood			1				
9	LF	1	HS	60	10	80	20	Conifer							
								Hardwood							
9	LF	2	HS	60	25	40	60	Conifer							
								Hardwood							
9	RT	1	HT	10	0	0	10	Conifer							90 PERCENT BARE
								Hardwood							
9	RT	3	HT	0	40	60	40	Conifer				1			
								Hardwood		1					
9	LF	3	HS	60	50	40	60	Conifer					1		
								Hardwood							
17	RT	3	HT	0	20	50	50	Conifer							
								Hardwood	1						
17	LF	1	HT	10	0	0	10	Conifer							90 PERCENT BARE
								Hardwood							
17	LF	2	HT	5	0	25	35	Conifer							40 PERCENT BARE
								Hardwood							
17	LF	3	HT	0	10	40	60	Conifer							
								Hardwood			1				
17	RT	1	HT	10	10	20	80	Conifer							
								Hardwood							
17	RT	2	HT	0	20	40	60	Conifer							
								Hardwood				1			

Comment Summary

Oregon Plan Monitoring Sites 2002

MONITORING AREA: 7-L SITE ID: 270 CLACKAMAS SIDE CHANNEL UPPER

UNIT#	TYPE	CHAN	DIST. (m)	COMMENTS	NOTE ESTIMATOR	NOTE NUMERATOR
1	GL	00	50	HS		START AT MOUTH, BV PRIN
2	GL	00	104	HS x 4		FISH
4	LP	00	137	HS x 2		
6	LP	01	174.8	HS x 3		
7	DC	02	174.8	HS	CHANNEL FROM LEFT	ONE LARGE STRUCTURE
9	LP	00	246.8	HS x 2		/HEADGATE FOR PIPE UNDE
10	LP	00	270.3	HS x 2		
12	LP	00	286.3	HS		
14	LP	00	307.8	HS		
15	LP	00	322.8	HS		
16	LP	00	341.8	HS		
18	LP	00	359.3	HS		
20	LP	00	384.3	HS		
22	LP	00	405.8	HS		
23	LP	00	439.8	HS x 4	END UNIT AT LOG CRIB	END THIS UNIT AT PINCH P
24	GL	00	468.3			END SURVEY AT CLACKAMA