

REACH

T03S-R05E-S01SW

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	0%
Moderate V-shape	0%	Multiple Terraces	100%
Open V-shape	0%	Wide Floodplain	0%
Valley Width Index	5.2	VWI Range:	3.5 - 8

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	535	2,290	0
Secondary	129	160	2

Channel Dimensions (m)

<u>Wetted</u>		<u>Active</u>		<u>Floodprone</u>	<u>First Terrace</u>
Width	4.0	Width	5.8	25.0	
Depth	0.32	Height	0.6	1.1	
		W:D ratio	10.5	Entrenchment	4.4

Stream Flow Type:	HF	Water temp (C):	6.0 - 6.0
Avg. Unit Gradient:	3.5%	Habitat Units/100m:	5.6

Riparian, Bank, and Wood Summary

	<u>Primary</u>	<u>Secondary</u>
Land Use:	TH	ST
Riparian Vegetation:	D15	C30

Bank Condition and Shade

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

Large Wood Debris

	<u>Total</u>	<u>Total / 100m</u>
All pieces (>=3m x 0.15m):	76	14.2
Volume (m ³):	98	18.3
Key pieces (>=10m x 0.60m):	3	0.6

OREGON DEPARTMENT OF FISH AND WILDLIFE

TROUT CREEK LOWER POST-TX (L-204)

HABITAT INVENTORY

Report Date: 5/6/03

Survey Date:

2/18/03

REACH		T03S-R05E-S01SW						REACH					
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	
CASCADE/BOULDERS	1	10	3.0	0.30	31	0	0	0	14	48	38	0	
DRY UNIT	1	10	2.5	0.00	25	0	100	0	0	0	0	0	
POOL-BACKWATER	1	4	1.8	0.35	7	0	0	9	22	57	13	0	
POOL-DAMMED	4	31	4.6	0.50	142	0	1	15	39	33	12	0	
POOL-LATERAL SCOUR	2	15	3.9	0.65	58	0	0	5	32	49	15	0	
POOL-PLUNGE	1	7	5.0	0.90	37	0	0	24	57	14	5	0	
PUDDLED UNIT	1	75	0.9	0.10	68	0	10	20	45	20	5	0	
RAPID/BOULDERS	17	496	4.2	0.25	2,029	0	0	5	23	53	19	0	
RIFFLE	1	15	3.5	0.25	53	0	0	10	50	30	10	0	
STEP/LOG	1	0	4.5	0.10	1	0	0	26	63	11	0	0	
Total:	30	664	4.0	0.32	2,450	0	Avg	4	8	29	43	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	5	35	4.1	0.47	150	6.10%	0	0.0	
Scour Pools	3	22	4.3	0.73	95	3.86%	0	0.0	
Glides	0	0			0	0.00%	0	0.0	
Riffles	1	15	3.5	0.25	53	2.14%	0	0.0	
Rapids	17	496	4.2	0.25	2,029	82.81%	0	0.0	
Cascades	1	10	3.0	0.30	31	1.25%	0	0.0	
Step/Falls	1	0	4.5	0.10	1	0.06%	0	0.0	
Dry	2	85	1.7	0.05	93	3.78%	0	0.0	
Culverts	0	0			0	0.00%	0	0.0	

POOL SUMMARY		
	<u>Total</u>	<u># / Km</u>
All Pools:	8	15.0
Pools >=1m deep:	0	0.0
Complex pools (LWD pieces>=3):	0	0.0
Pool frequency (channel widths/pool):	14.3	
Residual pool depth (avg):	0.31	

STREAM SUMMARY

TROUT CREEK LOWER POST-TX (L-204)

Number Units	Total Length (m)	Avg Width (m)	Avg Depth (m)	Total Area (m ²)	Substrate Percent Wetted Area						Large Boulders (#>0.5m)
					S/O	Snd	Grvl	Cbl	Bldr	Bdrk	
30	664	4.0	0.32	2,450	4	8	29	43	16	0	

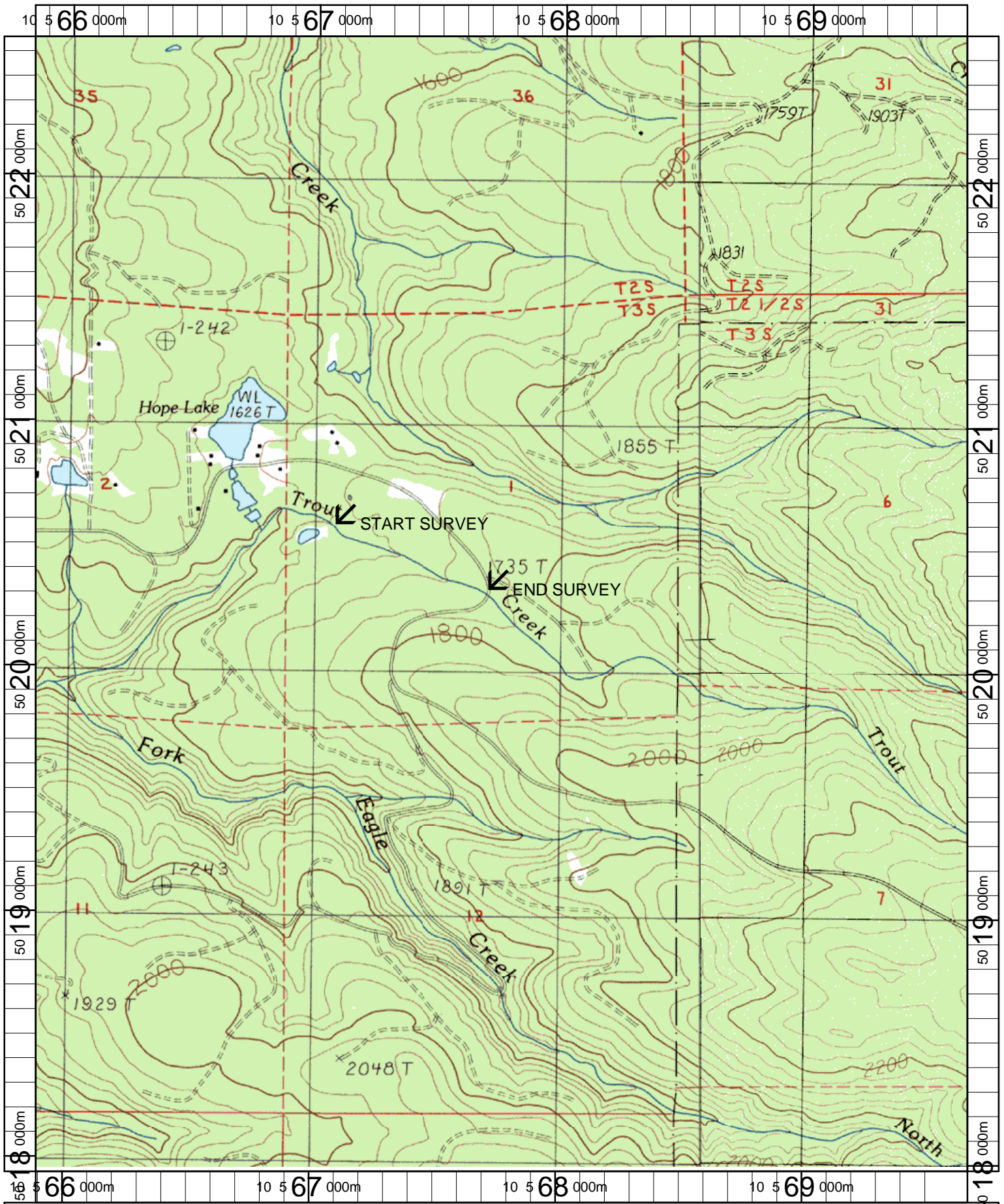
Habitat Group	Wetted Area	
	(m ²)	Percent
Dammed & BW Pools	150	6.10%
Scour Pools	95	3.86%
Glides	0	0.00%
Riffles	53	2.14%
Rapids	2,029	82.81%
Cascades	31	1.25%
Step/Falls	1	0.06%
Dry	93	3.78%
Culverts	0	0.00%

Comment Summary

Restoration Monitoring Sites 2003

MONITORING AREA: 7-L SITE ID: 204 TROUT CREEK LOWER POST-TX (L-204)

<u>UNIT#</u>	<u>TYPE</u>	<u>CHAN</u>	<u>DIST. (m)</u>	<u>COMMENTS</u>	<u>NOTE ESTIMATOR</u>	<u>NOTE NUMERATOR</u>
1	RB	00	25	/SS	T=6C/1040	
2	RB	00	55	BC	START ~50M DWST OLD L	
4	BW	10	80		METRICS TAKEN TOP OF	
5	RB	00	105		CLEARCUT BNDRY @ BC	
8	DP	00	147.1	HS, BV		
13	DP	00	208.6		WINDFALL IN CR	
14	RB	00	233.6		BUFFER BLOWDOWN	
15	RB	00	263.6	HS	POSS 02 CHNL RT	
16	RB	00	283.6	HS	YOUNG 02 CHNL RT	
17	RB	01	313.6		/02 CHNL	
18	CB	01	323.8	SS/		
20	RB	01	347.8	HS	ANOTHER OLDER 02 ON	
22	RB	01	386.3		TERR EPERATES 01/02	
23	RI	01	401.3	HS	CHNL BOUNCES BTWN HI	
24	SL	01	401.6		H=.45M	
25	DP	01	409.1	HS		
26	PD	02	409.1	/SS	SS PROVIDES 100% FLO	
28	RB	00	438.1	SS/		
29	RB	00	500.1	SS/, HS		
30	PP	00	507.5	CC	EOS, NO STEP INTO CC	



Name: CHERRYVILLE
 Date: 6/11/2003
 Scale: 1 inch equals 1666 feet

Location: 10 567757 E 5020270 N
 Caption: TROUT CREEK LOWER RESTORATION MAP -
 CLACKAMAS BASIN