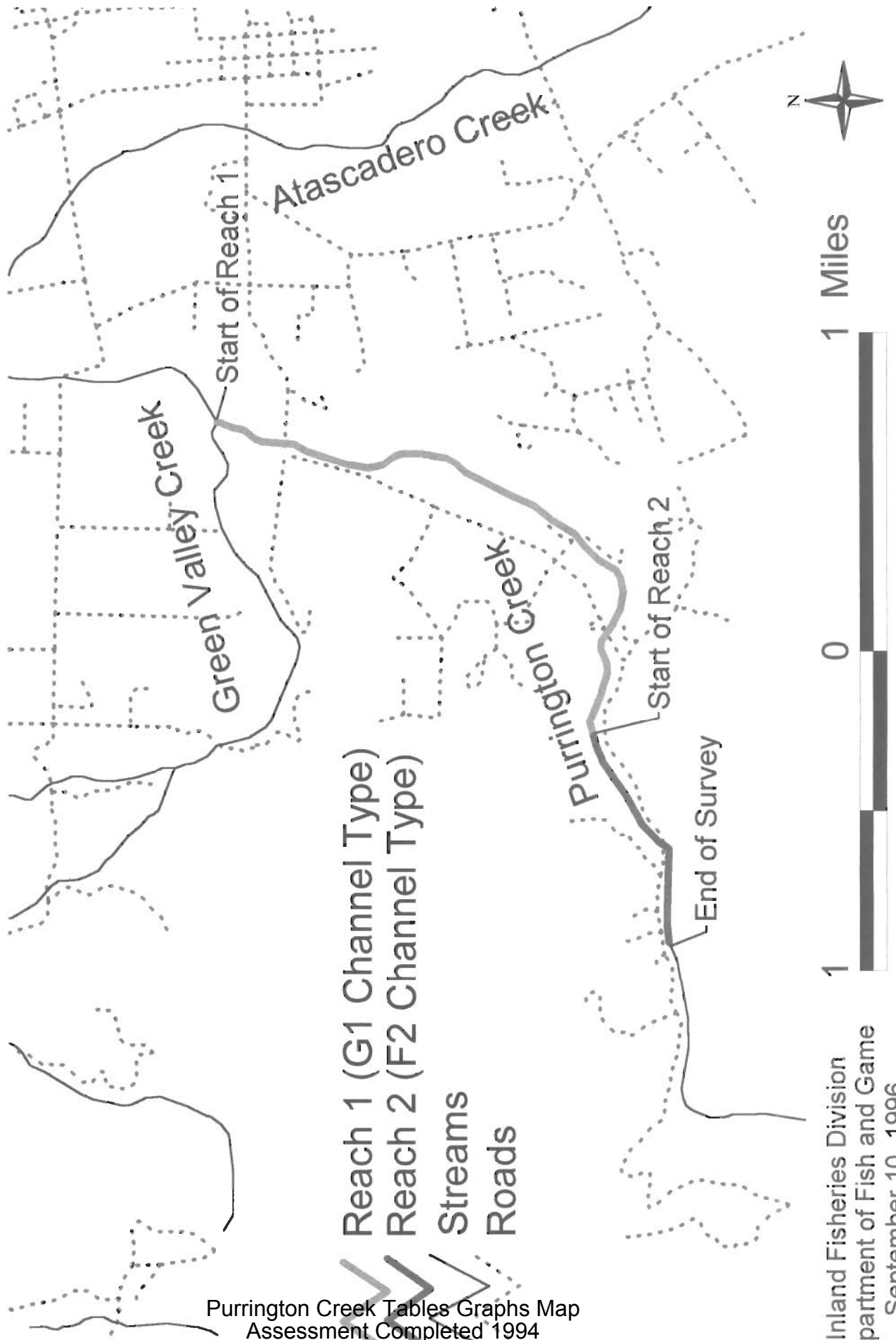


# Purrington Creek



Reach 1 (G1 Channel Type)  
Reach 2 (F2 Channel Type)

Streams  
Roads

PURRINGTON CREEK Drainage: GREEN VALLEY CREEK, TRIBUTARY TO RUSSIAN RIVER

Table 1 - SUMMARY OF RIFLE, FLATWATER, AND POOL HABITAT TYPES Survey Dates: 11/07/94, 11/08/94

confluence Location: QUAD: CMP MEEKER LEGAL DESCRIPTION: T07NR09WS19 LATITUDE: 38°26'14" LONGITUDE: 122°53'20"

UNITS MEASURED	HABITAT TYPE	HABITAT PERCENT OCCURRENCE	MEAN LENGTH (ft.)	TOTAL LENGTH (ft.)	PERCENT LENGTH	MEAN WIDTH (ft.)	MEAN DEPTH (ft.)	MEAN AREA (sq.ft.)	TOTAL AREA (sq.ft.)	MEAN VOLUME (cu.ft.)	TOTAL VOLUME (cu.ft.)	MEAN RESIDUAL POOL VOL (cu.ft.)	MEAN SHELTER RATING
81	RIFLE	24	61	4950	25	6.7	0.3	276	22362	92	7442	0	6
19	FLATWATER	35	75	8977	46	8.6	0.5	1125	133885	484	57631	3	6
86	POOL	40	40	5455	28	12.6	1.1	1088	148012	2744	373139	2486	18
4	DRY	1	45	178	1	0.0	0.0	0	0	0	0	0	0
		TOTAL LENGTH (ft.)		19559	TOTAL AREA (sq. ft.)		304258	TOTAL VOL. (cu. ft.)		438212			

PURRINGTON CREEK

Drainage: GREEN VALLEY CREEK, TRIBUTARY TO RUSSIAN RIVER

Table 2 - SUMMARY OF HABITAT TYPES AND MEASURED PARAMETERS

Survey Dates: 11/07/94, 11/08/94

Confluence Location: QUAD: CMP MEEKER LEGAL DESCRIPTION: T07NR09ws19 LATITUDE: 38°26'14" LONGITUDE: 122°53'20"

#	UNITS MEASURED	HABITAT TYPE	HABITAT OCCURRENCE	MEAN LENGTH		MEAN WIDTH		MEAN DEPTH		MEAN MAXIMUM DEPTH		MEAN AREA		MEAN VOLUME		MEAN RESIDUAL VOLUME		MEAN SHELTER		MEAN RT. BANK		MEAN LT. BANK		MEAN CANOPY		
				ft.	%	ft.	%	ft.	%	ft.	%	sq.ft.	%	sq.ft.	%	cu.ft.	%	cu.ft.	%	cu.ft.	%	cu.ft.	%	cu.ft.	%	cu.ft.
64	LSR	19	58	3708	19	6	0.2	1.5	258	16524	75	4816	0	6	70	75	92									
16	HGR	5	77	1231	6	8	0.8	1.7	362	5786	164	2620	0	5	72	58	88									
1	BRS	0	11	11	0	8	0.1	0.6	53	53	5	5	0	0	40	60	80									
40	GLD	12	48	1921	10	9	0.6	20.0	451	18031	345	13791	8	6	77	83	87									
76	RUN	22	91	6897	35	8	0.4	1.5	1514	115031	571	43358	0	6	78	80	92									
3	SRN	1	53	159	1	6	0.5	1.3	274	822	161	482	0	7	73	77	97									
4	TRP	1	146	585	3	21	1.4	3.8	5917	23669	4467	17867	530	5	70	63	90									
33	MCP	10	47	1559	8	18	1.2	22.0	2158	71227	8561	282523	8255	7	69	72	90									
3	STP	1	35	106	1	7	0.9	3.0	163	488	168	503	156	8	87	73	93									
14	CRP	4	43	604	3	14	1.0	2.6	1896	26542	1895	26530	1691	21	70	81	80									
14	LSL	4	24	340	2	10	0.9	2.5	255	3573	246	3450	204	34	85	80	91									
31	LSR	9	28	878	4	9	1.0	3.3	249	7710	247	7671	215	28	81	81	91									
12	LSBK	4	29	348	2	7	1.2	4.0	219	2629	319	3829	290	7	76	75	91									
12	LSBO	4	21	246	1	15	0.9	2.6	298	3572	331	3974	296	15	73	80	93									
4	PLP	1	25	100	1	10	1.1	1.5	231	925	259	1035	140	24	65	90	70									
1	SCP	0	20	20	0	4	0.5	0.9	80	80	40	40	40	0	60	10	100									
1	BPB	0	26	26	0	7	1.2	2.4	182	182	218	182	182	40	100	100	80									
1	BPR	0	33	33	0	15	2.3	3.0	495	495	1139	1139	1089	90	50	30	90									
6	DPL	2	102	610	3	13	1.9	6.8	1153	6919	4060	24360	3491	11	77	77	95									
4	DRY	1	45	178	1	0	0.0	0.0	0	0	0	0	0	0	78	83	91									

TOTAL UNITS	340	TOTAL LENGTH (ft.)	19559	AREA (sq.ft)	304258	TOTAL VOLUME (cu.ft)	438212
-------------	-----	--------------------	-------	--------------	--------	----------------------	--------

PURRINGTON CREEK

Drainage: GREEN VALLEY CREEK, TRIBUTARY TO RUSSIAN RIVER

Table 3 - SUMMARY OF POOL TYPES

Survey Dates: 11/07/94, 11/08/94

Confluence Location: QUAD: CMP MEEKER LEGAL DESCRIPTION: T07NR09NS19 LATITUDE: 38°26'14" LONGITUDE: 122°53'20"

UNITS MEASURED	HABITAT TYPE	HABITAT PERCENT OCCURRENCE	MEAN LENGTH (ft.)	TOTAL LENGTH (ft.)	MEAN WIDTH (ft.)	TOTAL WIDTH (ft.)	MEAN DEPTH (ft.)	TOTAL DEPTH (ft.)	MEAN AREA (sq.ft.)	TOTAL AREA (sq.ft.)	MEAN VOLUME (cu.ft.)	TOTAL VOLUME (cu.ft.)	MEAN RESIDUAL POOL VOL. (cu.ft.)	TOTAL RESIDUAL POOL VOL. (cu.ft.)	MEAN SHELTER RATING			
40	MAIN	29	56	2250	41	17.1	1.2	2385	95384	7522	300894	6875	7					
87	SCOUR	64	29	2516	46	10.6	1.0	517	44951	534	46490	469	23					
9	BACKWATER	7	77	689	13	11.4	1.7	853	7676	2862	25756	2473	22					
TOTAL													TOTAL LENGTH (ft.)	5455	TOTAL AREA (sq.ft.)	148012	TOTAL VOL. (cu.ft.)	373139

PURRINGTON CREEK Drainage: GREEN VALLEY CREEK, TRIBUTARY TO RUSSIAN RIVER

Table 4 . SUMMARY OF MAXIMUM POOL DEPTHS BY POOL HABITAT TYPES Survey Dates: 11/07/94, 11/08/94

Confluence Location: QUAD: CMP MEEKER LEGAL DESCRIPTION: T07NR09MS19 LATITUDE: 38°26'14" LONGITUDE: 122°53'20"

UNITS MEASURED	HABITAT TYPE	HABITAT PERCENT OCCURRENCE	<1 FOOT		1-<2 FOOT		2-<3 FOOT		3-<4 FT.		>=4 FOOT		>=4 FEET	
			MAXIMUM DEPTH OCCURRENCE	PERCENT OCCURRENCE	MAXIMUM DEPTH OCCURRENCE	PERCENT OCCURRENCE	MAXIMUM DEPTH OCCURRENCE	PERCENT OCCURRENCE	MAXIMUM DEPTH OCCURRENCE	PERCENT OCCURRENCE	MAXIMUM DEPTH OCCURRENCE	PERCENT OCCURRENCE	MAXIMUM DEPTH OCCURRENCE	PERCENT OCCURRENCE
4	TRP	3	0	0	1	25	2	50	1	25	0	0	0	0
33	MCP	24	1	3	22	67	8	24	1	3	1	3	0	3
3	STP	2	0	0	2	67	0	0	1	33	0	0	0	0
14	CRP	10	0	0	9	64	5	36	0	0	0	0	0	0
14	LSL	10	0	0	12	86	2	14	0	0	0	0	0	0
31	LSR	23	0	0	16	52	14	45	1	3	0	0	0	0
12	LSBK	9	0	0	6	50	4	33	1	8	1	8	0	8
12	LSBO	9	0	0	8	67	4	33	0	0	0	0	0	0
4	PLP	3	0	0	4	100	0	0	0	0	0	0	0	0
1	SCP	1	1	100	0	0	0	0	0	0	0	0	0	0
1	BPB	1	0	0	0	0	1	100	0	0	0	0	0	0
1	BPR	1	0	0	0	0	0	0	1	100	0	0	0	0
6	DPL	4	0	0	2	33	1	17	0	0	3	0	3	50

PURRINGTON CREEK

Drainage: GREEN VALLEY CREEK, TRIBUTARY TO RUSSIAN RIVER

Table 5 - SUMMARY OF MEAN PERCENT COVER BY HABITAT TYPE

Survey Dates: 11/07/94, 11/08/94

Confluence Location: QUAD: CMP MEËKER LEGAL DESCRIPTION: T07NR09WS19 LATITUDE: 38°26'14" LONGITUDE: 122°53'20"

UNITS MEASURED	HABITAT TYPE	MEAN % UNDERCUT BANKS	MEAN % SMD	MEAN % LWD	MEAN % ROOT MASS VEGETATION	MEAN % TERR.	MEAN % AQUATIC VEGETATION	MEAN % WHITE WATER	MEAN % BOULDERS	MEAN % BEDROCK LEDGES
64	LGR	1	3	1	1	8	0	0	5	0
6	HGR	6	1	0	3	0	0	0	31	0
1	BRS	0	0	0	0	0	0	0	0	0
40	GLD	13	2	3	0	17	0	0	3	0
6	RUN	9	5	3	1	18	1	1	4	1
3	SRN	0	0	17	0	0	0	0	17	0
4	TRP	0	0	0	0	0	0	0	0	75
33	MCP	15	1	3	2	6	0	0	22	2
3	STP	33	0	0	0	0	0	0	33	0
4	CRP	20	9	9	7	11	0	0	1	0
4	LSL	12	14	39	1	11	1	0	0	0
1	LSR	43	5	1	25	6	0	0	0	0
2	LSBK	36	0	6	0	17	0	0	0	8
2	LSBo	20	3	8	5	8	0	0	31	0
4	PLP	50	0	0	0	15	0	3	33	0
1	SCP	0	0	0	0	0	0	0	0	0
1	BPB	0	0	0	0	0	0	0	100	0
1	BPR	0	30	0	0	0	0	0	0	0
6	DPL	3	2	0	15	30	0	0	17	0
4	DRY	0	0	0	0	0	0	0	0	0

102

130

297

PURRINGTON CREEK

Drainage: GREEN VALLEY CREEK, TRIBUTARY TO RUSSIAN RIVER

Table 6 - SUMMARY OF DOMINANT SUBSTRATES BY HABITAT TYPE

Survey Dates: 11/07/94, 11/08/94

Confluence Location: QUAD: CMP MEEKER LEGAL DESCRIPTION: T07NR09WS19 LATITUDE: 38°26'14" LONGITUDE: 122°53'20"

UNITS MEASURED	HABITAT TYPE	SILT/CLAY		SAND		GRAVEL		SM COBBLE		LG COBBLE		BOULDER		BEDROCK	
		#	%	#	%	#	%	#	%	#	%	#	%	#	%
64	LGR	1	2	0	0	0	0	2	3	2	3	2	3	2	3
16	HGR	0	0	0	0	0	0	0	0	0	0	0	38	0	0
4	BRS	0	0	0	0	0	0	0	0	0	0	0	0	1	100
7	GLD	9	23	15	38	15	38	0	0	0	0	0	0	0	0
7	RUN	7	9	10	13	54	71	4	5	0	0	0	0	1	1
3	SRN	0	0	0	0	1	33	0	0	0	0	1	33	0	0
3	TRP	0	0	0	0	1	25	0	0	0	0	0	0	3	75
3	MCP	3	9	20	61	9	27	0	0	0	0	1	3	0	0
1	STP	1	33	0	0	1	33	0	0	0	0	1	33	0	0
1	CRP	1	7	7	50	6	43	0	0	0	0	0	0	0	0
3	LSL	3	21	4	29	7	50	0	0	0	0	0	0	0	0
3	LSR	3	10	23	74	5	16	0	0	0	0	0	0	0	0
1	LSBK	6	50	5	42	1	8	0	0	0	0	0	0	0	0
12	LSBO	1	8	6	50	4	33	1	8	0	0	0	0	0	0
6	PLP	0	0	1	25	3	75	0	0	0	0	0	0	0	0
1	SCP	0	0	1	100	0	0	0	0	0	0	0	0	0	0
1	BPS	1	100	0	0	0	0	0	0	0	0	0	0	0	0
1	BPR	0	0	1	100	0	0	0	0	0	0	0	0	0	0
6	DPL	1	17	0	0	5	83	0	0	0	0	0	0	0	0
4	DRY	0	0	0	0	4	100	0	0	0	0	0	0	0	0

# APPENDIX A.

## FISH HABITAT INVENTORY DATA SUMMARY

STREAM NAME: PURRINGTON CREEK  
SAMPLE DATES: 11/07/94, 11/08/94  
STREAM LENGTH: 19371 ft.  
LOCATION OF STREAM MOUTH:

USGS Quad Map: CMP MEEKER  
Legal Description: T07NR09WS19

Latitude: 38°26'14"  
Longitude: 122°53'20"

### SUMMARY OF FISH HABITAT ELEMENTS BY STREAM REACH

#### STREAM REACH 01

Channel Type: G1  
Channel Length: 15072 ft.  
Flowing Water Mean Width: 8 ft.  
Flowing Water Mean Depth: 0.4 ft.  
Base Flow: 0.1 cfs  
Water: 56 - 66 °F Air: 58 - 82 °F  
Dom. Bank Veg.: Deciduous Trees  
Vegetation  
Vegetative Cover: 80%  
Dom. Bank Substrate: No Data  
Embeddness Value: 1. 1% 2. 27% 3. 22% 4. 51%

Canopy Density: 90%  
Coniferous Component: 5%  
Deciduous Component: 95%  
Pools by Stream Length: 33%  
Pools >=3 ft.deep: 10%  
Mean Pool Shelter Rtn: 17  
Dom. Shelter: Terrestrial

Occurrence of LOD: 5%  
Dry Channel: 0%

#### STREAM REACH 02

Channel Type: F2  
Channel Length: 4299 ft.  
Flowing Water Mean Width: 7 ft.  
Flowing Water Mean Depth: 0.4 ft.  
Base Flow: 0.1 cfs  
Water: 50 - 58 °F Air: 50 - 72 °F  
Dom. Bank Veg.: Deciduous Trees  
Vegetative Cover: 61%  
Dom. Bank Substrate: No Data  
Embeddness Value: 1. 9% 2. 45% 3. 27% 4. 18%

Canopy Density: 91%  
Coniferous Component: 29%  
Deciduous Component: 67%  
Pools by Stream Length: 11%  
Pools >=3 ft.deep: 0%  
Mean Pool Shelter Rtn: 25  
Dom. Shelter: Boulders  
Occurrence of LOD: 1%  
Dry Channel: 2%

# APPENDIX B.

## Mean Percentage of Dominant Substrate

Dominant Class of Substrate	Number Units Right Bank	Number Units Left Bank	Total Mean Percent
Bedrock	75	66	20.74
Boulder	34	37	10.44
Cobble/Gravel	101	110	31.03
Silt/clay	130	127	37.79

## Mean Percentage of Dominant Vegetation

Dominant Class of Vegetation	Number Units Right Bank	Number Units Left Bank	Total Mean Percent
Grass	2	5	1.03
Brush	17	18	5.15
Decid. Trees	273	282	81.62
Conif. Trees	42	27	10.15
No Vegetation	0	0	0

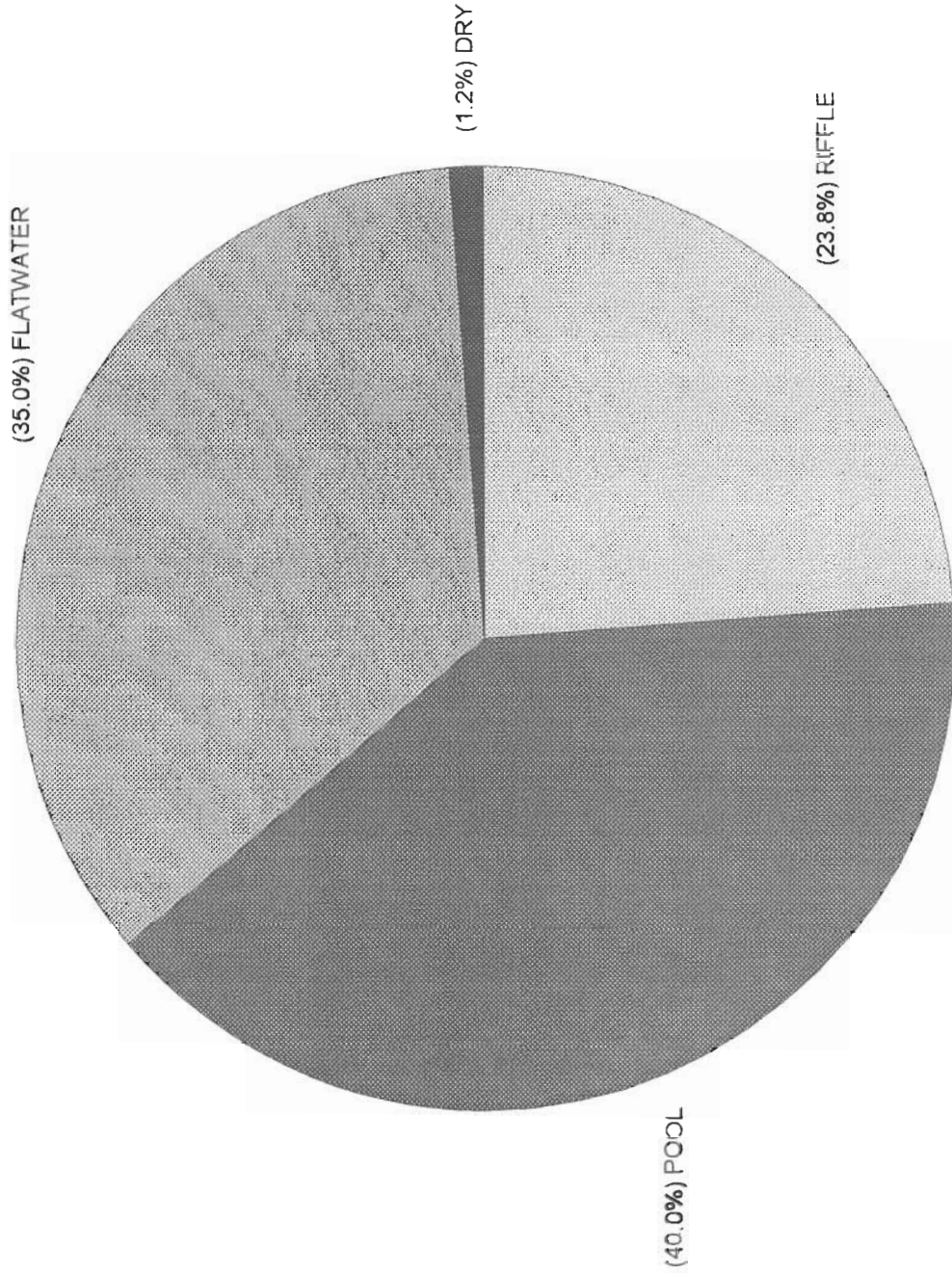
# APPENDIX C.

## Summary of Mean Percent Vegetative Cover for Entire Stream

Mean Percent Canopy	Mean Percent Conifer	Mean Percent Deciduous	Mean Right bank % Cover	Mean Left Bank % Cover
90.18	10.47	88.38	74.64	77.09

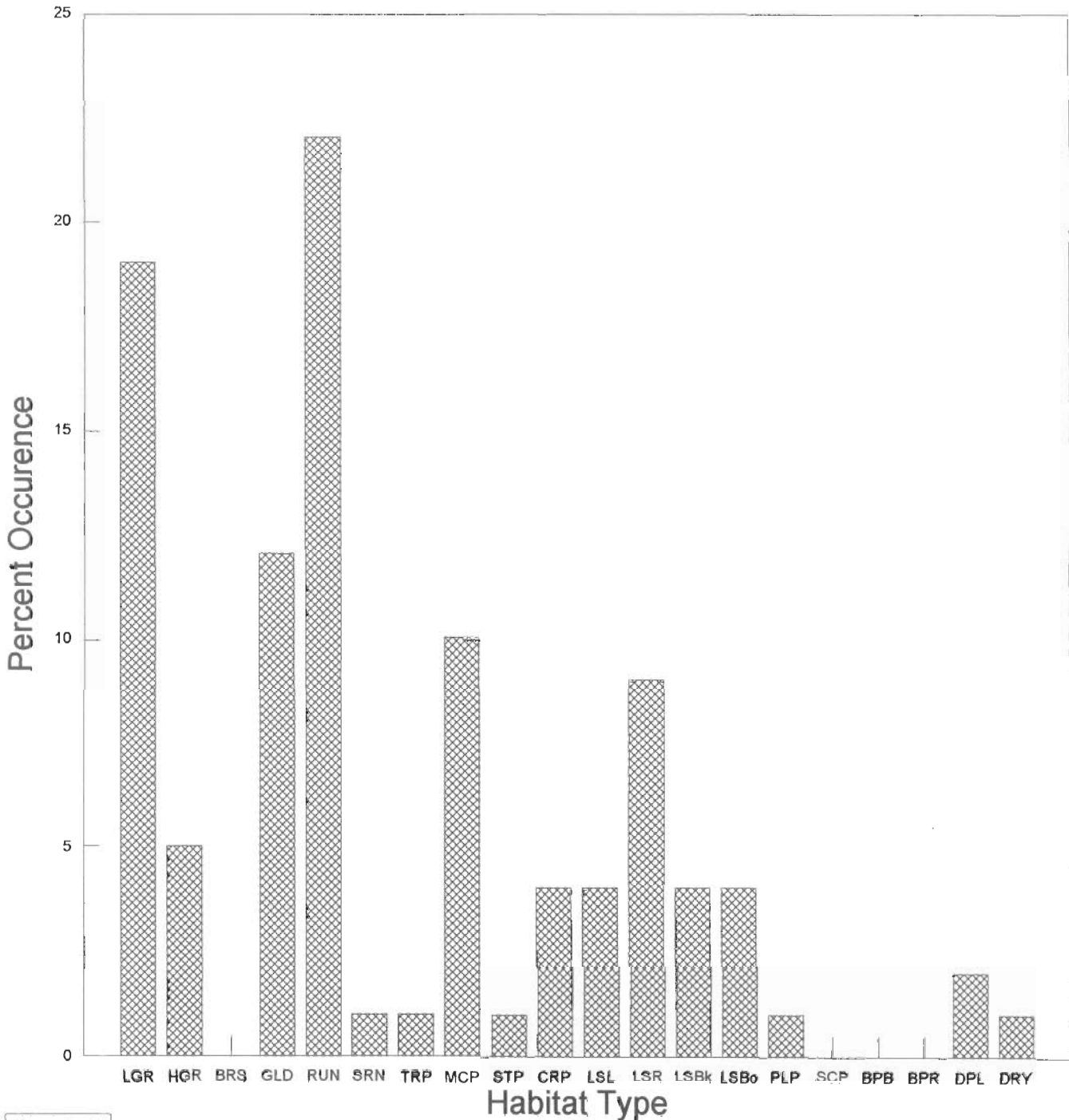
# LEVEL 2 HABITAT TYPES BY % OCCURENCE

PURRINGTON CREEK



# Purrington Creek

## Level IV Habitat Types by Percent Occurrence



Graph 2

**POOL HABITAT TYPES BY % OCCURENCE**

PURRINGTON CREEK

