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Ex. 279-US-444

Oregon Department of Fish and Wildlife

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REACH 2

REACH 2

RIPARIAN ZONE VEGETATION SUMMARY

Reach 2 is represented by 1 transects

Predominant landform in each zone

	Zone 1		Zone 2		Zone 3	
	0-10 meters		10-20 meters		20-30 meters	
Hillslope	0		0		100	
High terrace	100		100		0	
Low terrace	0		0		0	
Floodplain	0		0		0	
Wetland/meadow	0		0		0	
Roadbed	0		0		0	
Surface slope (%)	0		0		18	

Canopy closure and ground cover

	Zone 1		Zone 2		Zone 3	
	0-10 meters (%)		10-20 meters (%)		20-30 meters (%)	
Canopy closure	5		0		20	
Shrub cover	18		20		0	
Grass/forb cover	80		78		65	

Average number of trees in a 5-meter wide band

Diameter class (cm)	Zone 1		Zone 2		Zone 3	
	0-10 meters		10-20 meters		20-30 meters	
	Conifer	Hardwood	Conifer	Hardwood	Conifer	Hardwood
3-15cm	2.0	0.0	10.0	0.0	21.0	0.0
15-30cm	2.0	0.0	0.0	0.0	1.0	0.0
30-50cm	4.0	0.0	0.0	0.0	1.0	0.0
50-90cm	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
Total/100m ²	8.0	0.0	10.0	0.0	23.0	0.0

REACH 3

RIPARIAN ZONE VEGETATION SUMMARY

REACH 3

Reach 3 is represented by 1 transects

Predominant landform in each zone

	Zone 1 0-10 meters	Zone 2 10-20 meters	Zone 3 20-30 meters
Hillslope	100	100	100
High terrace	0	0	0
Low terrace	0	0	0
Floodplain	0	0	0
Wetland/meadow	0	0	0
Roadbed	0	0	0
Surface slope (%)	30	38	40

Canopy closure and ground cover

	Zone 1 0-10 meters (%)	Zone 2 10-20 meters (%)	Zone 3 20-30 meters (%)
Canopy closure	10	5	25
Shrub cover	5	8	3
Grass/forb cover	50	5	5

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	
	Conifer	Hardwood	Conifer	Hardwood	Conifer	Hardwood
3-15cm	0.0	0.0	3.0	0.0	4.0	0.0
15-30cm	2.0	0.0	1.0	0.0	5.0	0.0
30-50cm	1.0	0.0	0.0	0.0	0.0	0.0
50-90cm	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
Total/100m ²	3.0	0.0	4.0	0.0	9.0	0.0

REACH 4

REACH 4

RIPARIAN ZONE VEGETATION SUMMARY

Reach 4 is represented by 1 transects

Predominant landform in each zone

	Zone 1 0-10 meters	Zone 2 10-20 meters	Zone 3 20-30 meters
Hillslope	0	50	50
High terrace	100	50	50
Low terrace	0	0	0
Floodplain	0	0	0
Wetland/meadow	0	0	0
Roadbed	0	0	0
Surface slope (%)	0	10	10

Canopy closure and ground cover

	Zone 1 0-10 meters (%)	Zone 2 10-20 meters (%)	Zone 3 20-30 meters (%)
Canopy closure	5	5	10
Shrub cover	0	0	0
Grass/forb cover	100	53	53

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	
	Conifer	Hardwood	Conifer	Hardwood	Conifer	Hardwood
3-15cm	4.0	0.0	7.0	0.0	5.0	0.0
15-30cm	1.0	0.0	0.0	0.0	2.0	0.0
30-50cm	0.0	0.0	0.0	0.0	0.0	0.0
50-90cm	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
Total/100m ²	5.0	0.0	7.0	0.0	7.0	0.0

REACH 5

REACH 5

RIPARIAN ZONE VEGETATION SUMMARY

Reach 5 is represented by 3 transects

Predominant landform in each zone

	Zone 1 0-10 meters	Zone 2 10-20 meters	Zone 3 20-30 meters
Hillslope	67	100	100
High terrace	17	0	0
Low terrace	17	0	0
Floodplain	0	0	0
Wetland/meadow	0	0	0
Roadbed	0	0	0
Surface slope (%)	4	18	28

Canopy closure and ground cover

	Zone 1 0-10 meters (%)	Zone 2 10-20 meters (%)	Zone 3 20-30 meters (%)
Canopy closure	7	18	22
Shrub cover	10	3	0
Grass/forb cover	86	49	28

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	
	Conifer	Hardwood	Conifer	Hardwood	Conifer	Hardwood
3-15cm	3.3	0.0	3.7	0.0	5.3	0.0
15-30cm	0.3	0.0	2.3	0.0	2.7	0.0
30-50cm	0.3	0.0	1.7	0.0	0.7	0.0
50-90cm	0.3	0.0	0.0	0.0	0.0	0.0
>90cm	0.0	0.0	0.0	0.0	0.0	0.0
Total/100m ²	4.3	0.0	7.7	0.0	8.7	0.0

REACH 6

RIPARIAN ZONE VEGETATION SUMMARY

REACH 6

Reach 6 is represented by 1 transects

Predominant landform in each zone

	Zone 1 0-10 meters	Zone 2 10-20 meters	Zone 3 20-30 meters
Hillslope	0	0	0
High terrace	100	100	100
Low terrace	0	0	0
Floodplain	0	0	0
Wetland/meadow	0	0	0
Roadbed	0	0	0
Surface slope (%)	0	0	0

Canopy closure and ground cover

	Zone 1 0-10 meters (%)	Zone 2 10-20 meters (%)	Zone 3 20-30 meters (%)
Canopy closure	0	20	20
Shrub cover	0	0	0
Grass/forb cover	100	95	90

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	
	Conifer	Hardwood	Conifer	Hardwood	Conifer	Hardwood
3-15cm	0.0	0.0	0.0	0.0	0.0	0.0
15-30cm	0.0	0.0	0.0	0.0	0.0	0.0
30-50cm	0.0	0.0	1.0	0.0	0.0	0.0
50-90cm	0.0	0.0	1.0	0.0	1.0	0.0
>90cm	0.0	0.0	0.0	0.0	0.0	0.0
Total/100m ²	0.0	0.0	2.0	0.0	1.0	0.0

REACH 7

REACH 7

RIPARIAN ZONE VEGETATION SUMMARY

Reach 7 is represented by 1 transects

Predominant landform in each zone

	Zone 1 0-10 meters	Zone 2 10-20 meters	Zone 3 20-30 meters
Hillslope	100	100	100
High terrace	0	0	0
Low terrace	0	0	0
Floodplain	0	0	0
Wetland/meadow	0	0	0
Roadbed	0	0	0
Surface slope (%)	25	23	18

Canopy closure and ground cover

	Zone 1 0-10 meters (%)	Zone 2 10-20 meters (%)	Zone 3 20-30 meters (%)
Canopy closure	10	15	15
Shrub cover	10	0	0
Grass/forb cover	30	8	8

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	
	Conifer	Hardwood	Conifer	Hardwood	Conifer	Hardwood
3-15cm	4.0	0.0	9.0	0.0	11.0	0.0
15-30cm	2.0	0.0	1.0	0.0	2.0	0.0
30-50cm	0.0	0.0	0.0	0.0	0.0	0.0
50-90cm	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
Total/100m ²	6.0	0.0	10.0	0.0	13.0	0.0

RIPARIAN ZONE VEGETATION

Reach 2

Reach 2

VEGETATION DETAIL

Unit	Side	Zone	Surface	Slope	Cover (percent)				Diameter class (cm)					Notes
					Canopy	Shrub	Grass		3-15	15-30	30-50	50-90	>90	
30	LF	1	HT	0.0	10	5	90	Conifer	2	1	2	0	0	
								Hardwood	0	0	0	0	0	
30	LF	2	HT	0.0	0	0	95	Conifer	10	0	0	0	0	
								Hardwood	0	0	0	0	0	
30	LF	3	HS	20.0	20	0	80	Conifer	20	0	1	0	0	
								Hardwood	0	0	0	0	0	
30	RT	1	HT	0.0	0	30	70	Conifer	0	1	2	0	0	
								Hardwood	0	0	0	0	0	
30	RT	2	HT	0.0	0	40	60	Conifer	0	0	0	0	0	
								Hardwood	0	0	0	0	0	4 WILLOW CLUMPS
30	RT	3	HS	15.0	20	0	50	Conifer	1	1	0	0	0	
								Hardwood	0	0	0	0	0	

RIPARIAN ZONE VEGETATION

Reach 3

Reach 3

VEGETATION DETAIL

Unit	Side	Zone	Surface	Slope	Cover (percent)			Diameter class (cm)					Notes	
					Canopy	Shrub	Grass	3-15	15-30	30-50	50-90	>90		
60	LF	1	HS	50.0	10	5	10	Conifer	0	2	0	0	0	
								Hardwood	0	0	0	0	0	
60	LF	2	HS	60.0	0	10	5	Conifer	0	0	0	0	0	
								Hardwood	0	0	0	0	0	
60	LF	3	HS	40.0	20	5	10	Conifer	2	1	0	0	0	
								Hardwood	0	0	0	0	0	
60	RT	1	HS	10.0	10	5	90	Conifer	0	0	1	0	0	
								Hardwood	0	0	0	0	0	
60	RT	2	HS	15.0	10	5	5	Conifer	3	1	0	0	0	
								Hardwood	0	0	0	0	0	
60	RT	3	HS	40.0	30	0	0	Conifer	2	4	0	0	0	
								Hardwood	0	0	0	0	0	

RIPARIAN ZONE VEGETATION

Reach 4

Reach 4

VEGETATION DETAIL

Unit	Side	Zone	Surface	Slope	Cover (percent)			Diameter class (cm)					Notes	
					Canopy	Shrub	Grass	3-15	15-30	30-50	50-90	>90		
90	LF	1	HT	0.0	5	0	100	Conifer	3	0	0	0	0	
								Hardwood	0	0	0	0	0	
90	LF	2	HT	0.0	0	0	100	Conifer	1	0	0	0	0	
								Hardwood	0	0	0	0	0	
90	LF	3	HT	0.0	0	0	100	Conifer	2	0	0	0	0	
								Hardwood	0	0	0	0	0	
90	RT	1	HT	0.0	5	0	100	Conifer	1	1	0	0	0	
								Hardwood	0	0	0	0	0	
90	RT	2	HS	20.0	10	0	5	Conifer	6	0	0	0	0	
								Hardwood	0	0	0	0	0	
90	RT	3	HS	20.0	20	0	5	Conifer	3	2	0	0	0	
								Hardwood	0	0	0	0	0	

RIPARIAN ZONE VEGETATION

Reach 5

Reach 5

VEGETATION DETAIL

Unit	Side	Zone	Surface	Slope	Cover (percent)			Diameter class (cm)					Notes	
					Canopy	Shrub	Grass	3-15	15-30	30-50	50-90	>90		
120	LF	1	HT	0.0	0	5	90	Conifer	1	1	0	0	0	
								Hardwood	0	0	0	0	0	
120	LF	2	HS	15.0	30	5	45	Conifer	0	4	1	0	0	
								Hardwood	0	0	0	0	0	
120	LF	3	HS	70.0	30	0	5	Conifer	2	2	1	0	0	
								Hardwood	0	0	0	0	0	
120	RT	1	HS	0.0	30	5	95	Conifer	6	0	0	0	0	
								Hardwood	0	0	0	0	0	
120	RT	2	HS	0.0	20	5	90	Conifer	1	1	1	0	0	
								Hardwood	0	0	0	0	0	
120	RT	3	HS	0.0	20	0	80	Conifer	5	2	0	0	0	
								Hardwood	0	0	0	0	0	
150	LF	1	HS	5.0	0	5	95	Conifer	1	0	0	0	0	
								Hardwood	0	0	0	0	0	
150	LF	2	HS	20.0	20	0	20	Conifer	0	2	1	0	0	
								Hardwood	0	0	0	0	0	
150	LF	3	HS	20.0	20	0	20	Conifer	3	1	1	0	0	
								Hardwood	0	0	0	0	0	
150	RT	1	HS	10.0	0	45	55	Conifer	0	0	0	0	0	
								Hardwood	0	0	0	0	0	
150	RT	2	HS	20.0	0	5	80	Conifer	1	0	0	0	0	
								Hardwood	0	0	0	0	0	
150	RT	3	HS	30.0	20	0	20	Conifer	2	1	0	0	0	
								Hardwood	0	0	0	0	0	
180	LF	1	LT	0.0	10	0	80	Conifer	0	0	1	0	0	
								Hardwood	0	0	0	0	0	
180	LF	2	HS	20.0	20	0	20	Conifer	4	0	2	0	0	
								Hardwood	0	0	0	0	0	
180	LF	3	HS	20.0	20	0	20	Conifer	3	0	0	0	0	
								Hardwood	0	0	0	0	0	
180	RT	1	HS	10.0	0	0	100	Conifer	2	0	0	1	0	
								Hardwood	0	0	0	0	0	
180	RT	2	HS	30.0	20	0	40	Conifer	5	0	0	0	0	
								Hardwood	0	0	0	0	0	
180	RT	3	HS	30.0	20	0	20	Conifer	1	2	0	0	0	
								Hardwood	0	0	0	0	0	

RIPARIAN ZONE VEGETATION

Reach 6

Reach 6

VEGETATION DETAIL

Unit	Side	Zone	Surface	Slope	Cover (percent)				Diameter class (cm)					Notes
					Canopy	Shrub	Grass		3-15	15-30	30-50	50-90	>90	
210	LF	1	HT	0.0	0	0	100	Conifer	0	0	0	0	0	
								Hardwood	0	0	0	0	0	
210	LF	2	HT	0.0	40	0	90	Conifer	0	0	1	1	0	
								Hardwood	0	0	0	0	0	
210	LF	3	HT	0.0	40	0	80	Conifer	0	0	0	1	0	
								Hardwood	0	0	0	0	0	
210	RT	1	HT	0.0	0	0	100	Conifer	0	0	0	0	0	
								Hardwood	0	0	0	0	0	
210	RT	2	HT	0.0	0	0	100	Conifer	0	0	0	0	0	
								Hardwood	0	0	0	0	0	
210	RT	3	HT	0.0	0	0	100	Conifer	0	0	0	0	0	
								Hardwood	0	0	0	0	0	

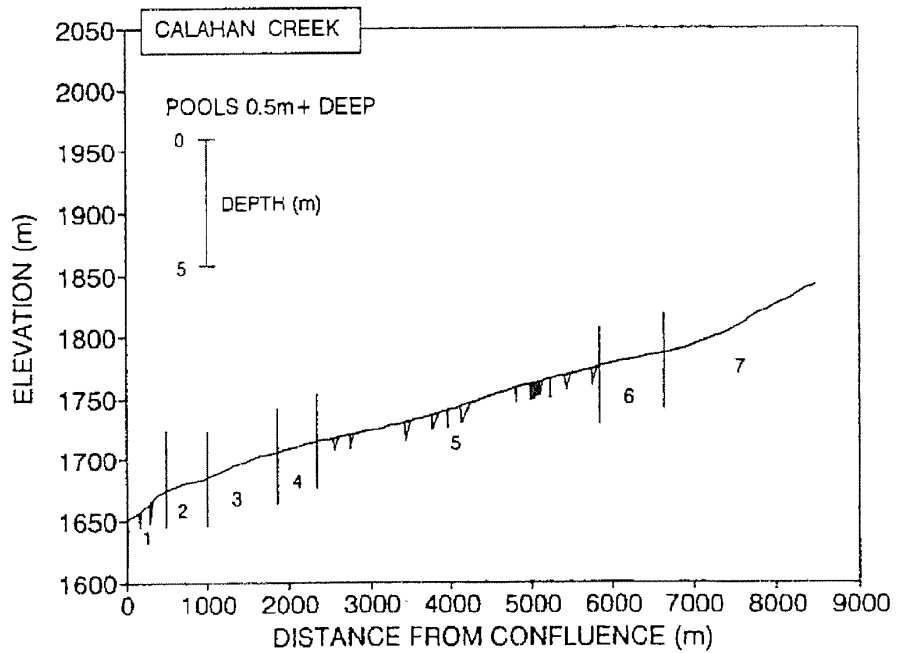
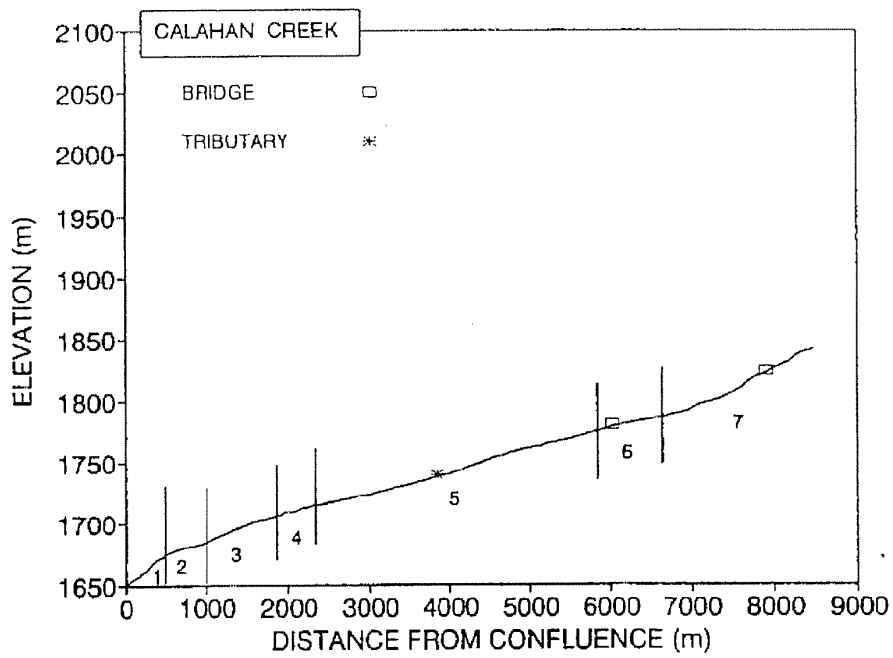
RIPARIAN ZONE VEGETATION

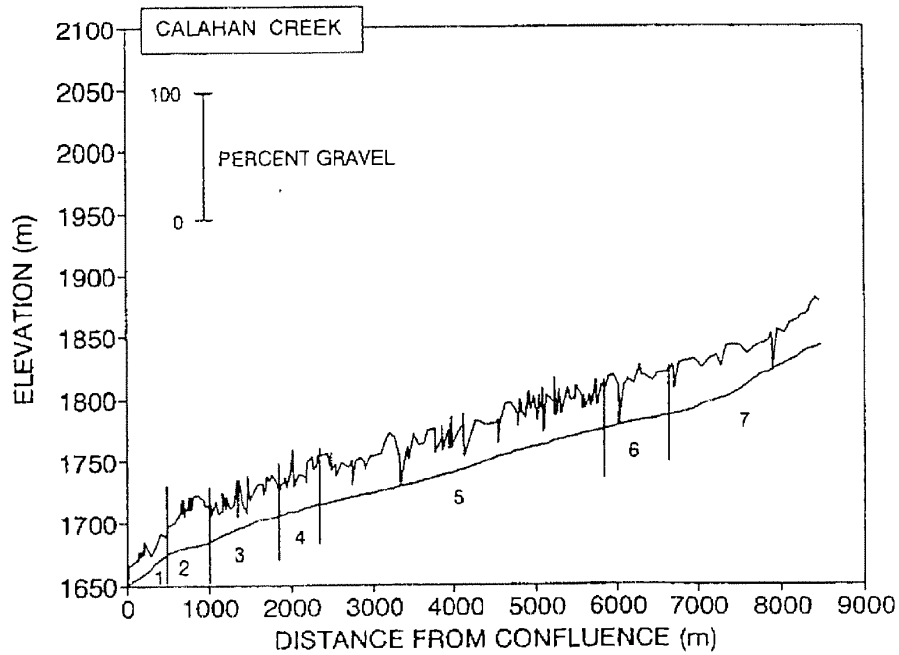
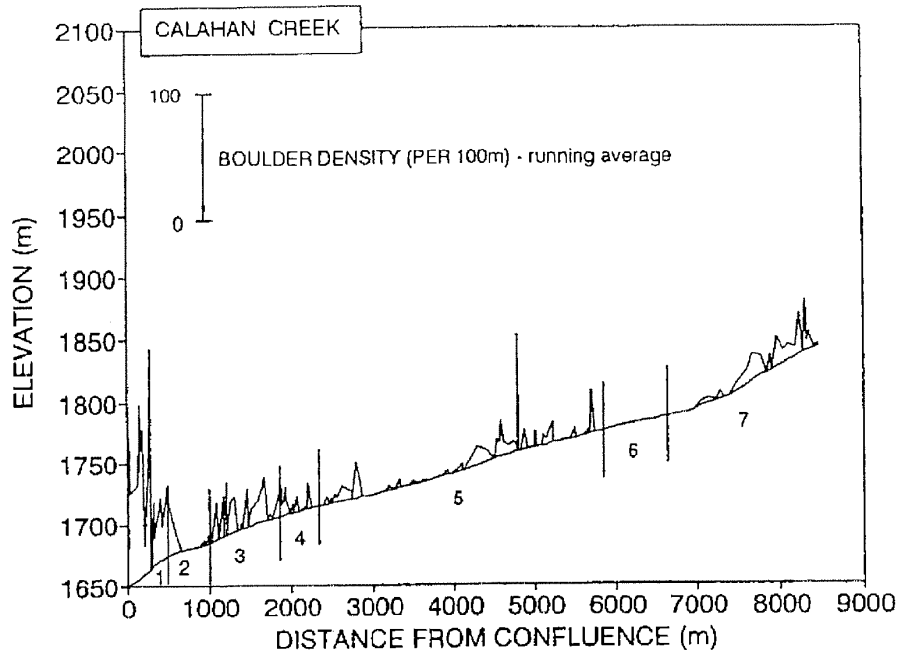
Reach 7

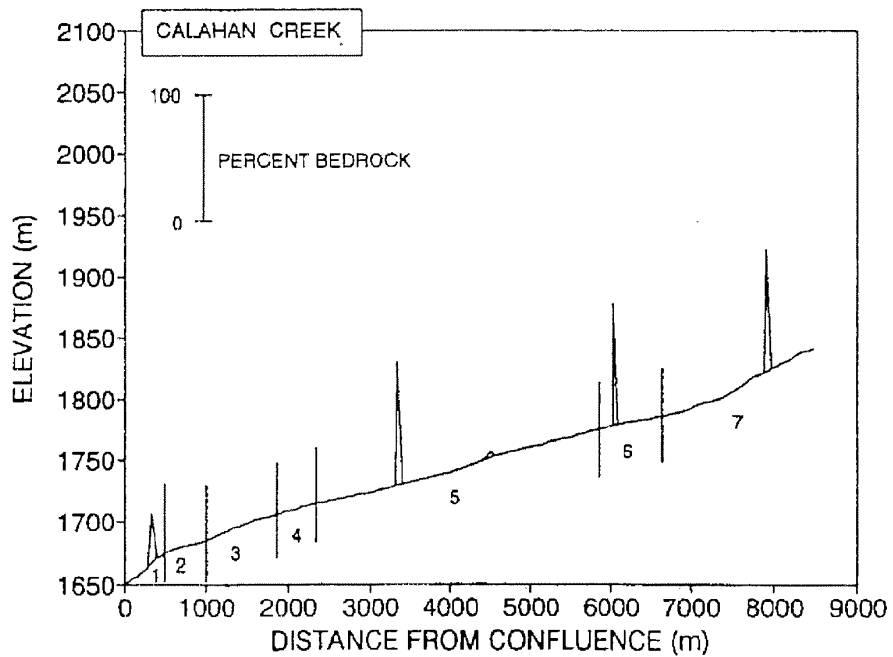
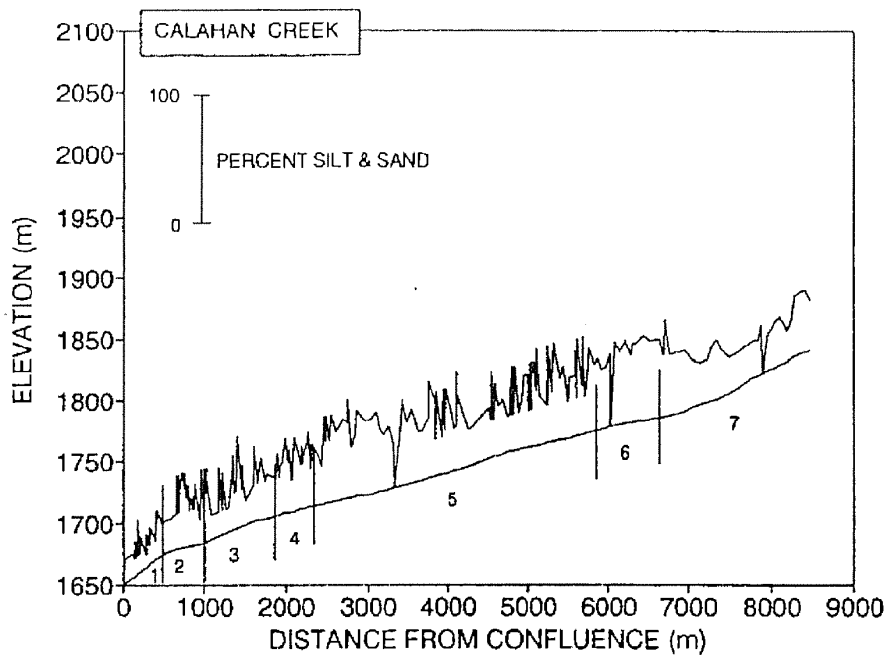
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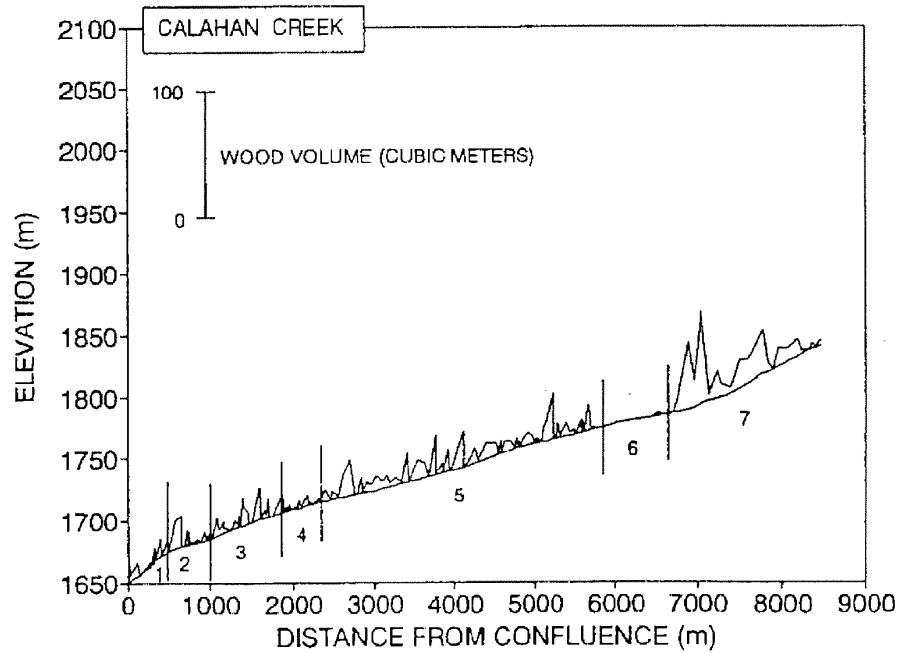
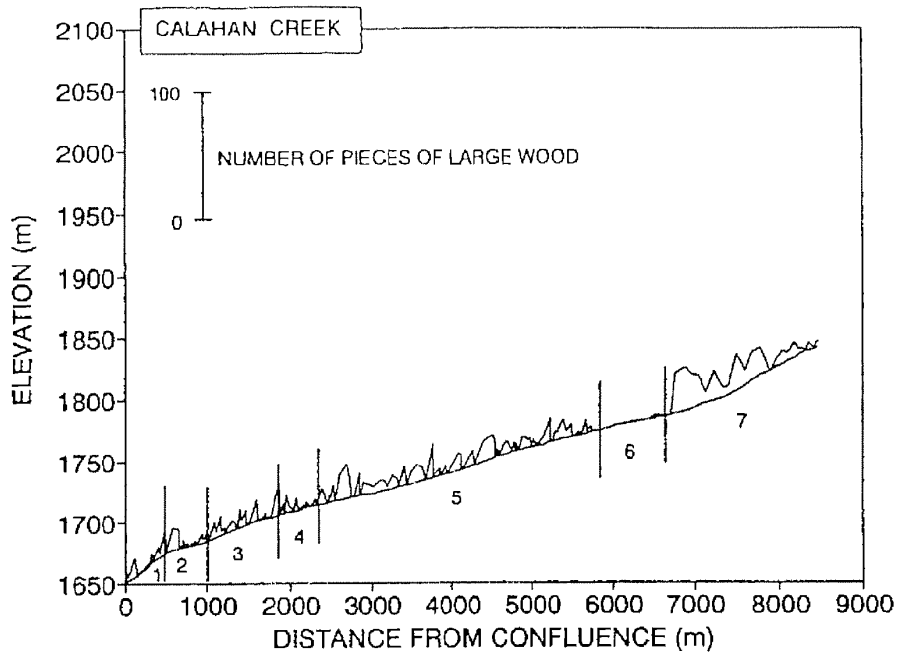
VEGETATION DETAIL

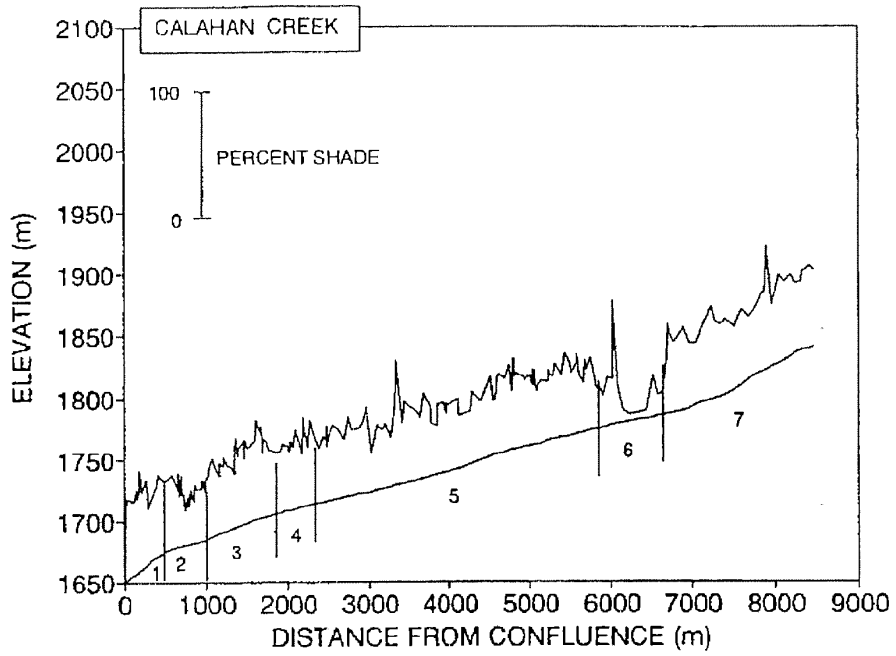
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					Canopy	Shrub	Grass	3-15	15-30	30-50	50-90	>90		
240	LF	1	HS	30.0	10	20	40	Conifer	4	0	0	0	0	
								Hardwood	0	0	0	0	0	
240	LF	2	HS	30.0	0	0	10	Conifer	3	0	0	0	0	
								Hardwood	0	0	0	0	0	
240	LF	3	HS	20.0	10	0	10	Conifer	4	1	0	0	0	
								Hardwood	0	0	0	0	0	
240	RT	1	HS	20.0	10	0	20	Conifer	0	2	0	0	0	
								Hardwood	0	0	0	0	0	
240	RT	2	HS	15.0	30	0	5	Conifer	6	1	0	0	0	
								Hardwood	0	0	0	0	0	
240	RT	3	HS	15.0	20	0	5	Conifer	7	1	0	0	0	
								Hardwood	0	0	0	0	0	



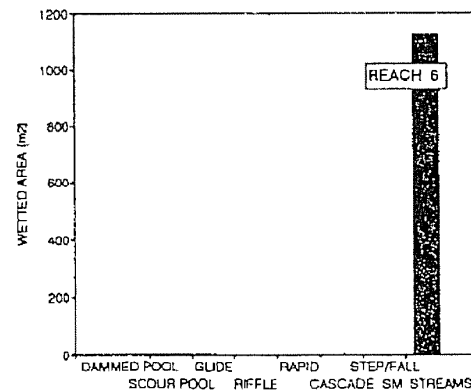
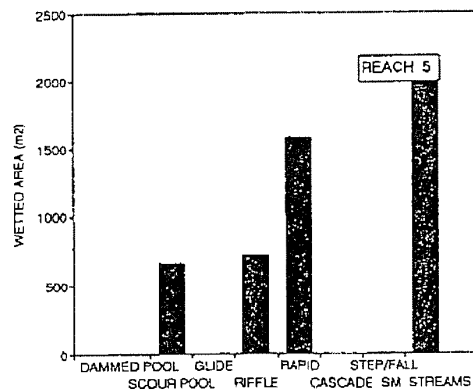
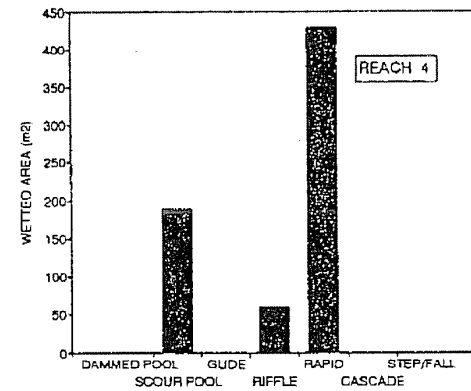
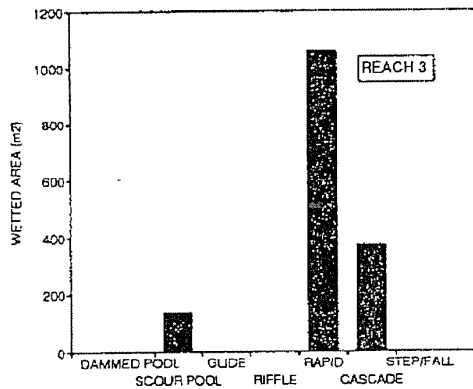
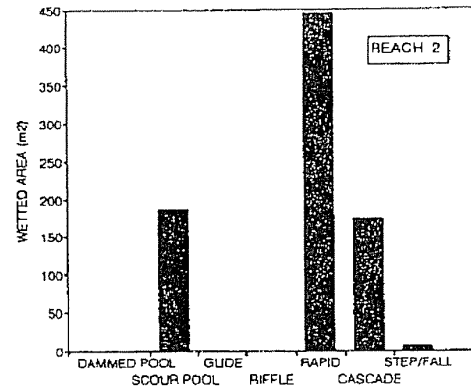
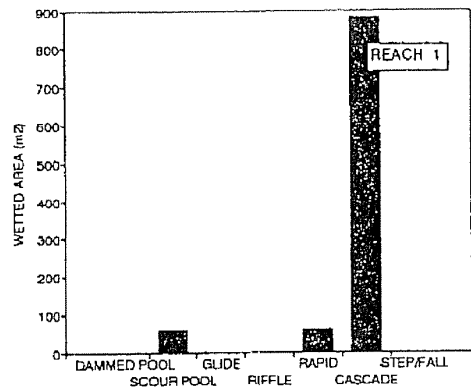




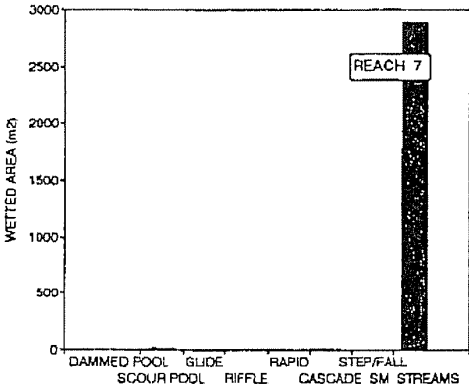




CALAHAN CREEK: HABITAT DISTRIBUTION



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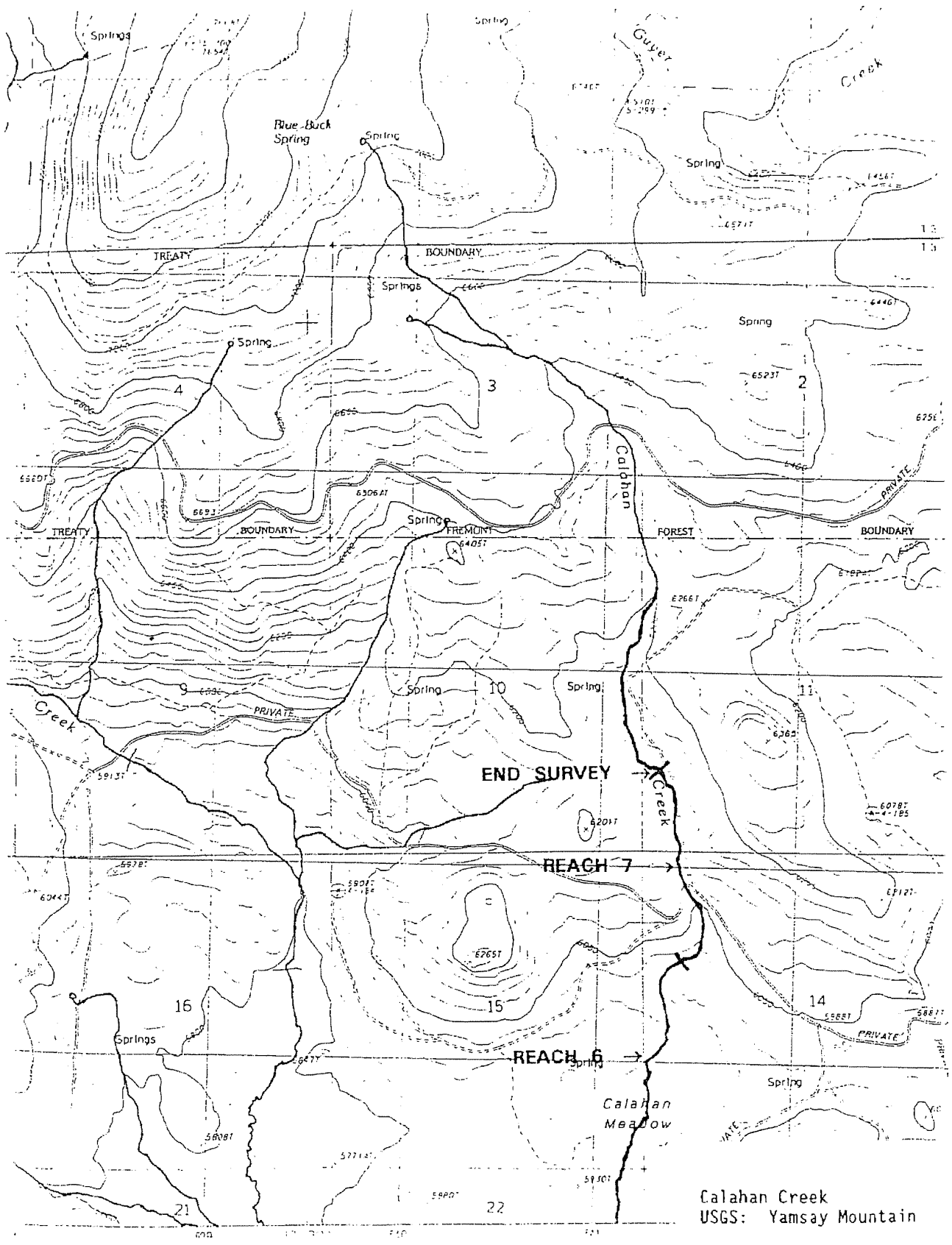


CALAHAN CREEK COMMENT SUMMARY

UNIT	TYPE	DISTANCE	CODE	NOTE_1	NOTE_2
28	SL	671		H= .2M	
30	RB	685			FLAGGED+RIP SURVEY
47	LP	881			FRY
53	SL	1017		H= 25M	
60	CB	1210			FLAGGED+RIP SURVEY
73	LP	1466			FRY
79	LP	1609			TOAD
90	LP	1927			FLAGGED+RIP SURVEY
96	LP	2092			GRAZING
97	RB	2177			OLD CAMP/
105	PR	2386			FLAGGED, START SECONDARY METHO
107	LP	2459			FRY
120	PR	2970			FLAGGED+RIP SURVEY, /CUT STUMP
122	PR	3102			TOAD,
125	PR	3266			FRY, FLAGGED
126	PR	3323			/CAMPS
127	CC	3337		1M DIAM CULVERT	1.0M DIAM, 400-00 RD
129	PR	3425		TOADS, TADPOLES	TOADS, TADPOLES
130	LP	3428			FRY
131	PR	3488			FRY
132	PR	3551	SS/	SS/	
133	PR	3633			TOAD TADPOLES
134	PR	3683		TOADS, TADPOLES	FRY
136	LP	3768			FRY
137	PR	3845			FRY
138	RB	3850	TJ/	TJ/, AT START OF UNIT	FLAGGED
146	RB	4076	/SS	/SS, /SS	
148	LP	4118			FRY
150	LP	4126			FLAGGED+RIP SURVEY
151	RB	4258	/SS	/SS+/SS	WET HILLSIDE
155	RB	4538	/SS		
157	RB	4578	/SS	/SS	
158	LP	4585	/SS	/SS	TREE FROGS
159	RB	4623	/SS		
160	RI	4691			FRY
161	RB	4743			FRY
163	LP	4788			FRY
166	SL	4803		H= .25M	
167	LP	4815			FISH+FRY
169	LP	4838			FRY
178	LP	5053		TOAD, TADPOLES	
180	LP	5075			FLAGGED+RIP SURVEY
182	LP	5105			FRY
185	LP	5240			FISH
189	LP	5325			FRY
191	LP	5442			FRY
197	LP	5614			FRY
199	LP	5691			FISH
201	RI	5741			FRY
203	RI	5823			FRY

CALAHAN CREEK COMMENT SUMMARY

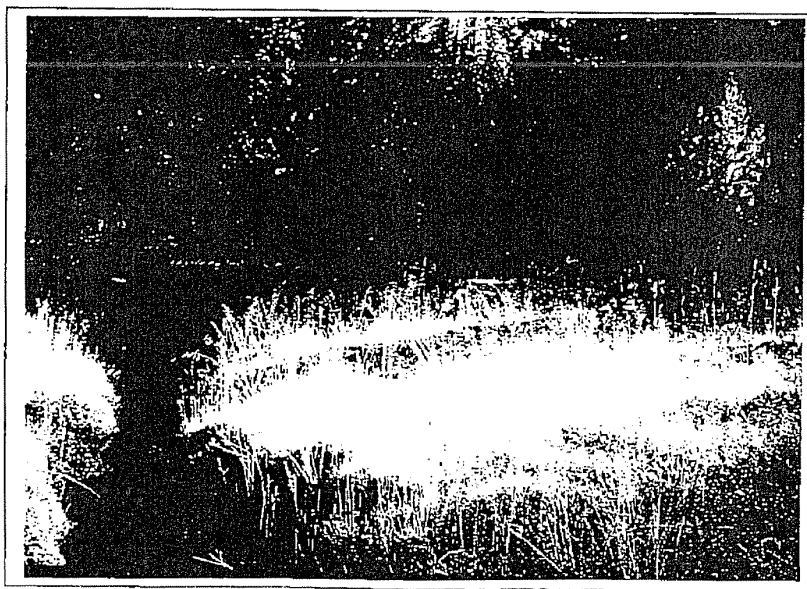
UNIT	TYPE	DISTANCE	CODE	NOTE_1	NOTE_2
204	MT	5864			FLAGGED, FRY
206	MT	5973			/CAMP
208	CC	6033	CC	.5M DIAM CULVERT	5M DIAM CULVERT
210	MT	6153			FLAGGED + RIP SURVEY
216	MT	6516		LOTS CATTLE TROMPING	CUT DEEP
217	MT	6584			CUT DEEP, FISH
219	PR	6690			FLAGGED
225	CA	7051		LONG RAPID	
229	PR	7338			WET HILL/
231	CA	7508		LONG RAPID	
232	CA	7595			WET HILL/
233	CA	7686			WET HILL/
237	CC	7902	CC	400-00 ROAD, 1.0M DIAM	1.0M DIAM CULVERT, 400-00 RD
239	CA	8052		LONG RAPID	
240	CA	8113			FLAGGED + RIP SURVEY
248	CA	8475			/OLD CAMP, BRUSHY, WILLOWY



Calahan Creek
USGS: Yamsay Mountain



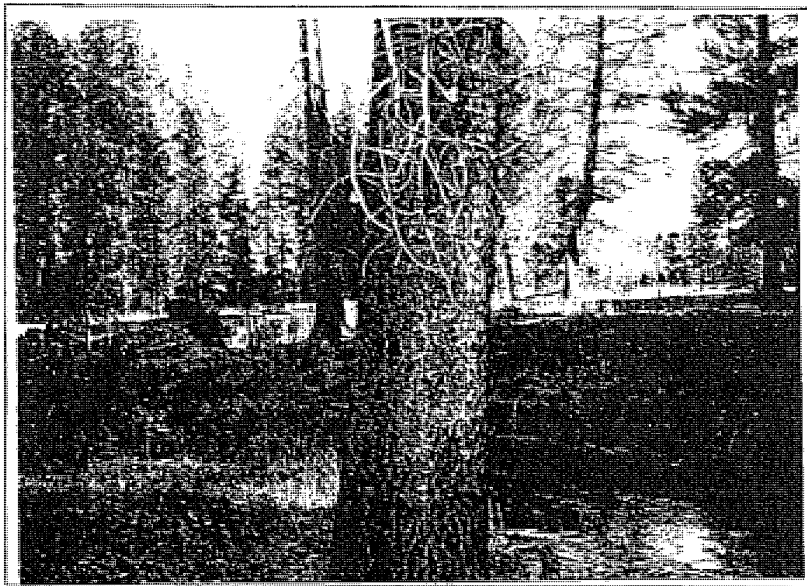
Calahan Creek - Reach 6 - Unit 204. Meadow trench.



Calahan Creek - Reach 7 - Unit 219. Pool--Riffle.



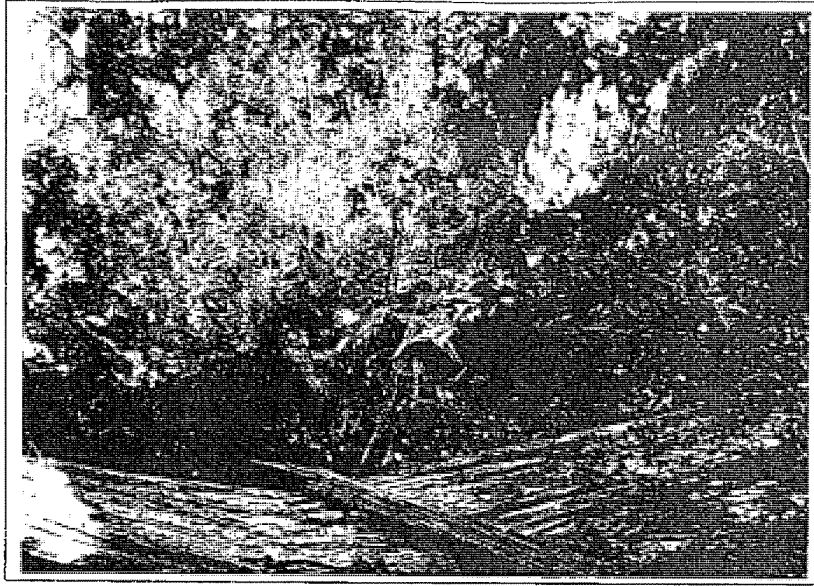
Calahan Creek - Reach 4 - Unit 89. Rapid over boulders.



Calahan Creek - Reach 5 - Unit 105. Pool--Riffle.

Calahan Creek - Reach 3 -
Unit 55. Cascade
over boulders.





Upper: Calahan Creek -
Reach 1 - Unit 1.
Cascade over
boulders.

Right: Calahan Creek -
Reach 2 - Unit 23.
Cascade over
boulders.

