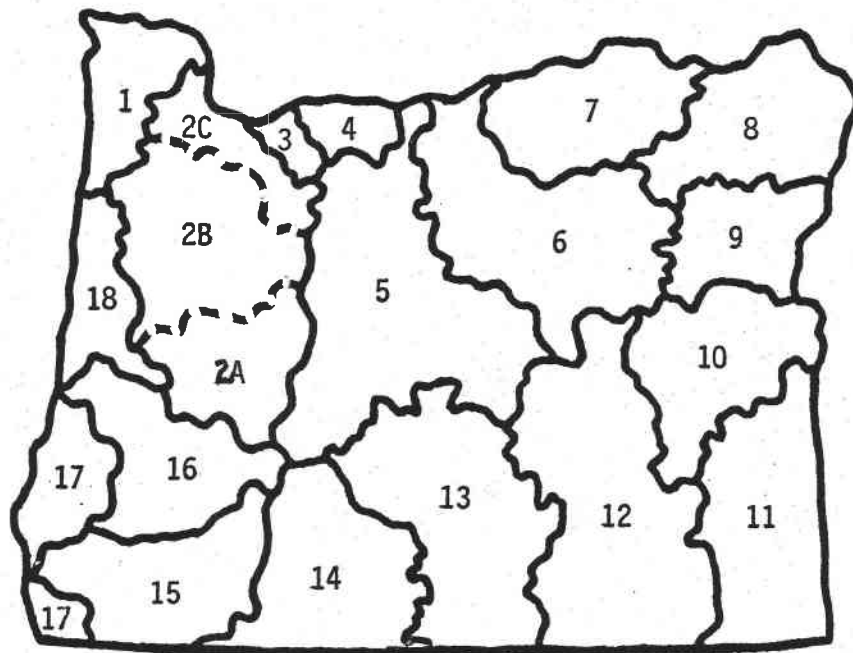
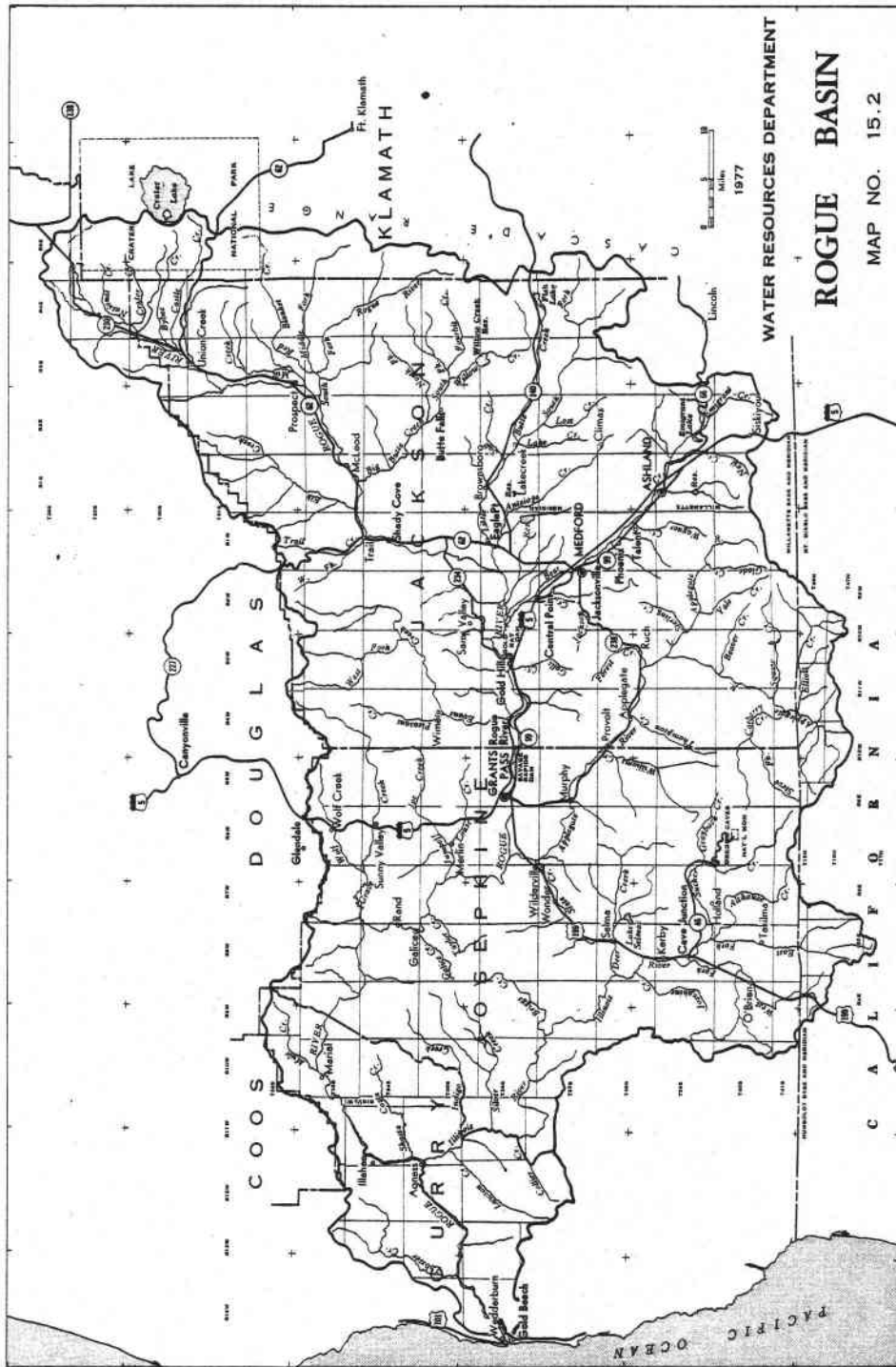


A RESOURCE SURVEY OF RIVER ENERGY
AND LOW-HEAD HYDROELECTRIC POWER POTENTIAL
IN OREGON

APPENDIX 15: ROGUE BASIN



WATER RESOURCES RESEARCH INSTITUTE
Oregon State University
Corvallis, Oregon 97331



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Curry
C. Township, Range	Sec. 9, T36S, R14W
D. Latitude, Longitude	42° 27' N, 124° 20' W
E. Stream Name	Rogue River
F. Major Basin Name	Rogue
G. River Mile	0.0 to 10.8

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

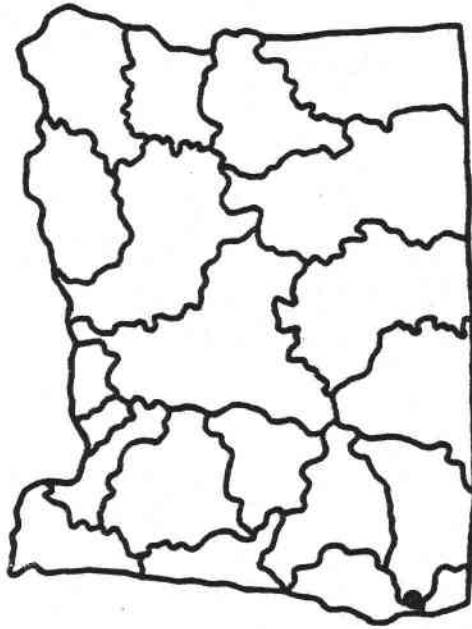
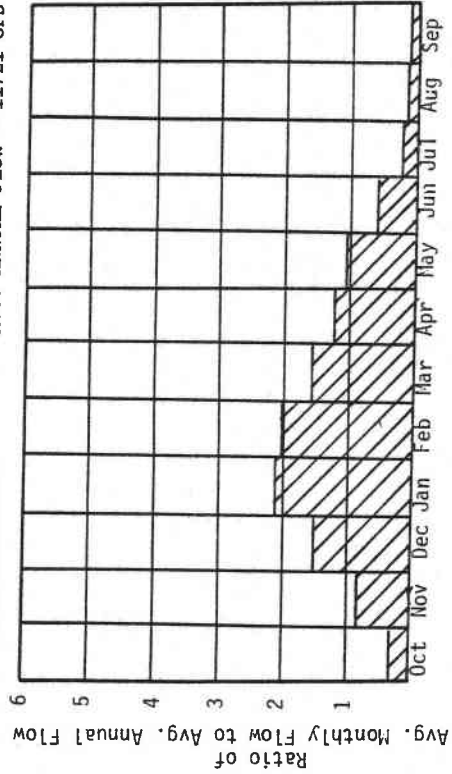
A. Upstream Elevation of Reach	20	Ft. MSL
B. Downstream Elevation of Reach	0	Ft. MSL
C. Total Available Head in Reach	20	Ft.
D. Average Slope in Reach	1.8	Ft./Mi.
E. Drainage Area above Reach Mouth	5160	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

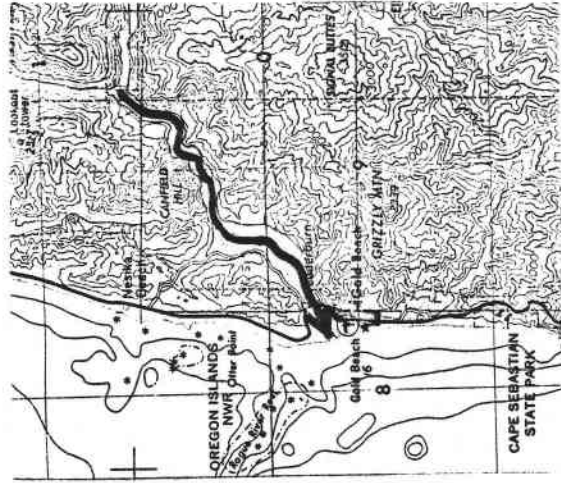
I EXCEEDANCE I PERCENTAGE I	I DISCHARGE I CFS I	I THEORETICAL I PLANT SIZE I MW I	I ANNUAL ENERGY I AVAILABLE I GWH I	I PLANT I FACTOR I
I 95 I	I 1724.7 I	I 2.92 I	I 25.61 I	I 1.000 I
I 80 I	I 2570.8 I	I 4.36 I	I 36.60 I	I .959 I
I 50 I	I 6913.0 I	I 11.72 I	I 78.51 I	I .765 I
I 30 I	I 11971.7 I	I 20.29 I	I 108.55 I	I .611 I
I 10 I	I 22382.6 I	I 37.94 I	I 139.46 I	I .420 I

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 11721 CFS



U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-002-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Curry
C. Township, Range	Sec. 8, T35S, R14W
D. Latitude, Longitude	42°34'N, 124°16'W
E. Stream Name	Lobster Creek
F. Major Basin Name	Rogue
G. River Mile	0.0 to 9.6

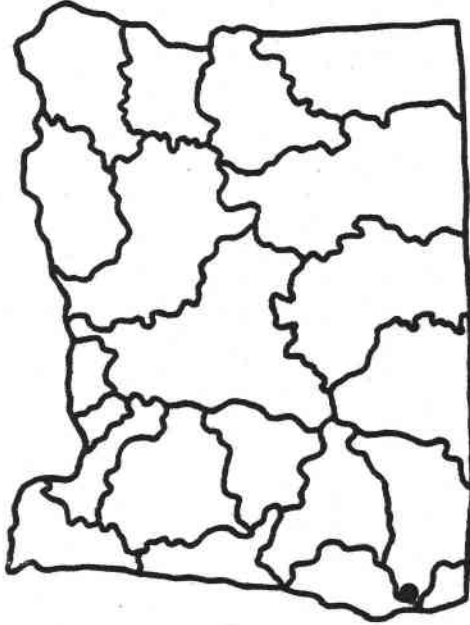
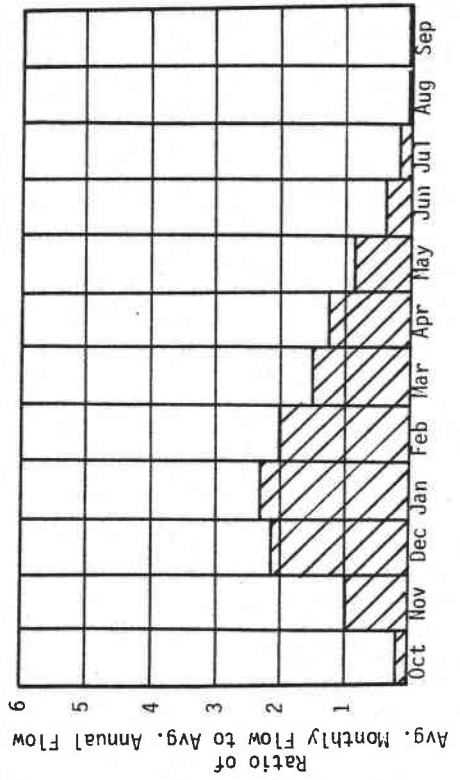
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	410	Ft. MSL
B. Downstream Elevation of Reach	20	Ft. MSL
C. Total Available Head in Reach	390	Ft.
D. Average Slope in Reach	40.6	Ft./Mi.
E. Drainage Area above Reach Mouth	69	Sq. Mi.
F. Inflow Classification	Natural	

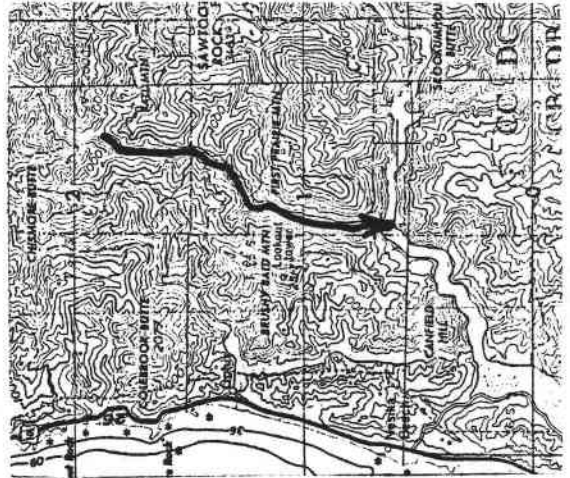
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I	PERCENTAGE I	I	CFS	I	THEORETICAL I	I	PLANT SIZE I	I	ANNUAL ENERGY I	I	PLANT I
I	I	I	I	I	I	I	I	I	I	I	I
I	I	I	I	I	I	I	I	I	I	I	I
I	95	I	22.1	I	.73	I	6.39	I	1,000	I	
I	80	I	43.8	I	1.45	I	11.89	I	.938	I	
I	50	I	127.6	I	4.22	I	27.67	I	.749	I	
I	30	I	253.7	I	8.38	I	42.27	I	.575	I	
I	10	I	522.0	I	17.25	I	57.80	I	.382	I	

IV. TYPICAL ANNUAL HYDROGRAPH



U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-002-005-000-R0001

I. LOCATION

A. State	Oregon
B. County	Curry
C. Township, Range	Sec. 11, T34S, R13W
D. Latitude, Longitude	42°41'N, 124°13'W
E. Stream Name	North Fork Lobster Creek
F. Major Basin Name	Rogue
G. River Mile	0.0 to H.W.

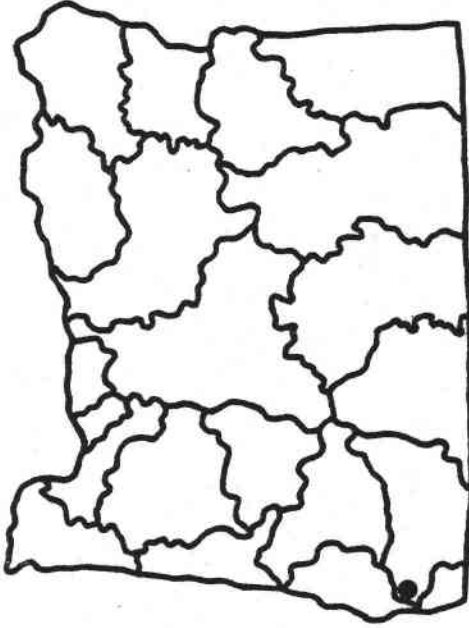
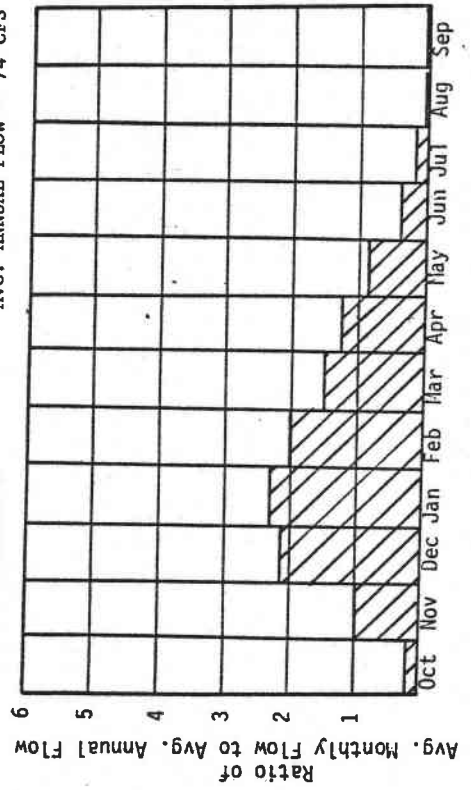
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	--	Ft. MSL
B. Downstream Elevation of Reach	--	Ft. MSL
C. Total Available Head in Reach	66	Ft.
D. Average Slope in Reach	--	Ft./Mi.
E. Drainage Area above Reach Mouth	16	Sq. Mi.
F. Inflow Classification	Natural	

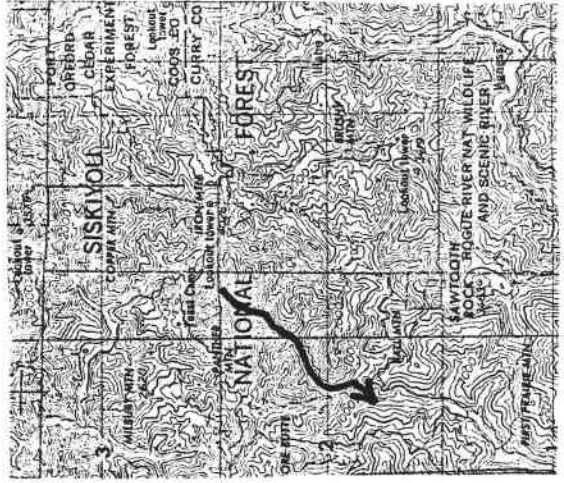
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I PERCENTAGE I	I DISCHARGE I CFS	I THEORETICAL I PLANT SIZE I MW	I ANNUAL ENERGY I AVAILABLE I GWH	I PLANT I FACTOR I
I 95 I	I 5.6 I	I .03 I	I .27 I	I 1.000 I
I 80 I	I 12.1 I	I .07 I	I .55 I	I .933 I
I 50 I	I 36.2 I	I .20 I	I 1.32 I	I .744 I
I 30 I	I 75.2 I	I .42 I	I 2.09 I	I .566 I
I 10 I	I 159.6 I	I .89 I	I 2.91 I	I .373 I

IV. TYPICAL ANNUAL HYDROGRAPH



U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-002-010-000-R0001

I. LOCATION

A. State	Oregon
B. County	Curry
C. Township, Range	Sec. 26, T34S, R13W
D. Latitude, Longitude	42°38'N, 123°13'W
E. Stream Name	South Fork Lobster Creek
F. Major Basin Name	Rogue
G. River Mile	0.0 to 4.5

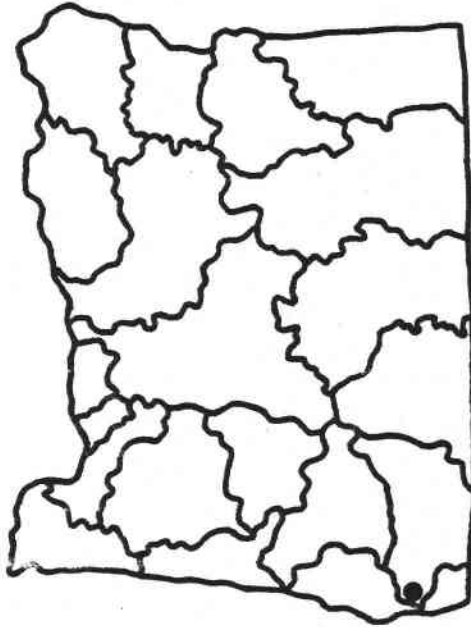
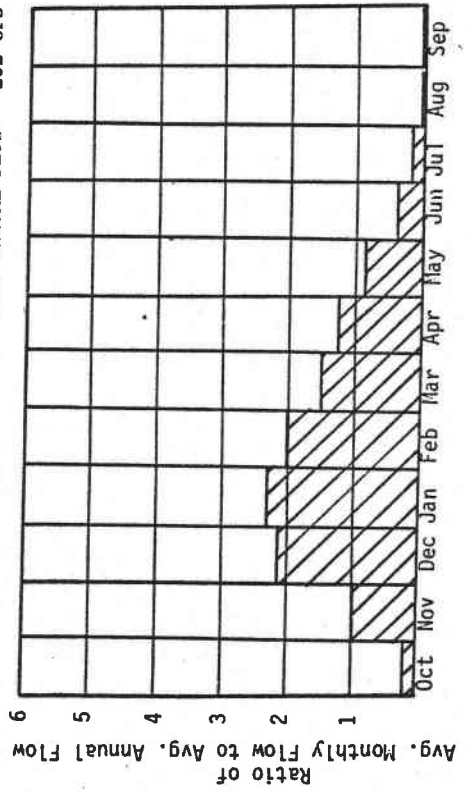
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	760	Ft. MSL
B. Downstream Elevation of Reach	410	Ft. MSL
C. Total Available Head in Reach	350	Ft.
D. Average Slope in Reach	77.8	Ft./Mi.
E. Drainage Area above Reach Mouth	25	Sq. Mi.
F. Inflow Classification	Natural	

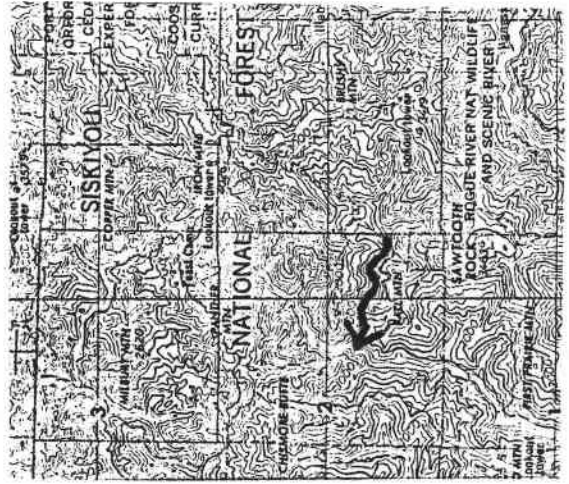
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I PERCENTAGE I	I DISCHARGE I CFS I	I THEORETICAL I PLANT SIZE I MW I	I ANNUAL ENERGY I AVAILABLE I GWH I	I PLANT I FACTOR I
I 95 I	I 8.1 I	I .24 I	I 2.10 I	I 1.000 I
I 80 I	I 17.1 I	I .51 I	I 4.16 I	I .934 I
I 50 I	I 50.9 I	I 1.51 I	I 9.86 I	I .746 I
I 30 I	I 104.5 I	I 3.10 I	I 15.43 I	I .568 I
I 10 I	I 219.7 I	I 6.52 I	I 21.42 I	I .375 I

IV. TYPICAL ANNUAL HYDROGRAPH



U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-900-002-010-000-R0002

I. LOCATION

A. State	Oregon
B. County	Curry
C. Township, Range	Sec. 20, T34S, R13W
D. Latitude, Longitude	42° 38' N, 123° 13' W
E. Stream Name	South Fork Lobster Creek
F. Major Basin Name	Rogue
G. River Mile	4.5 to H.W.

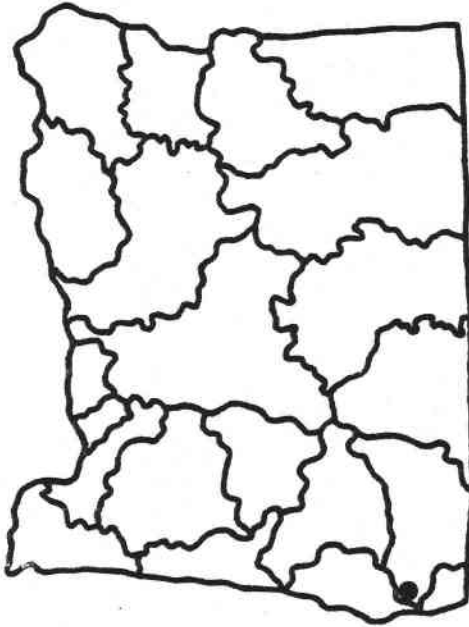
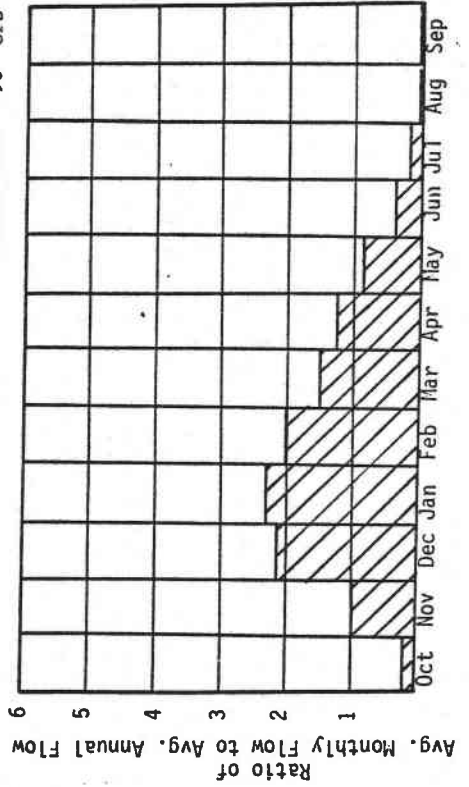
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach		Ft. MSL
B. Downstream Elevation of Reach		Ft. MSL
C. Total Available Head in Reach	66	Ft.
D. Average Slope in Reach		Ft./Mi.
E. Drainage Area above Reach Mouth	19	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I PERCENTAGE I	I DISCHARGE I CFS I	I THEORETICAL I PLANT SIZE I MW I	I ANNUAL ENERGY I AVAILABLE I GWH I	I PLANT I FACTOR I
I 95 I	I 7.0 I	I .04 I	I .34 I	I 1.000 I
I 80 I	I 14.9 I	I .08 I	I .68 I	I .933 I
I 50 I	I 44.5 I	I .25 I	I 1.62 I	I .745 I
I 30 I	I 91.7 I	I .51 I	I 2.55 I	I .567 I
I 10 I	I 193.6 I	I 1.08 I	I 3.55 I	I .374 I

IV. TYPICAL ANNUAL HYDROGRAPH



U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COOS BAY

