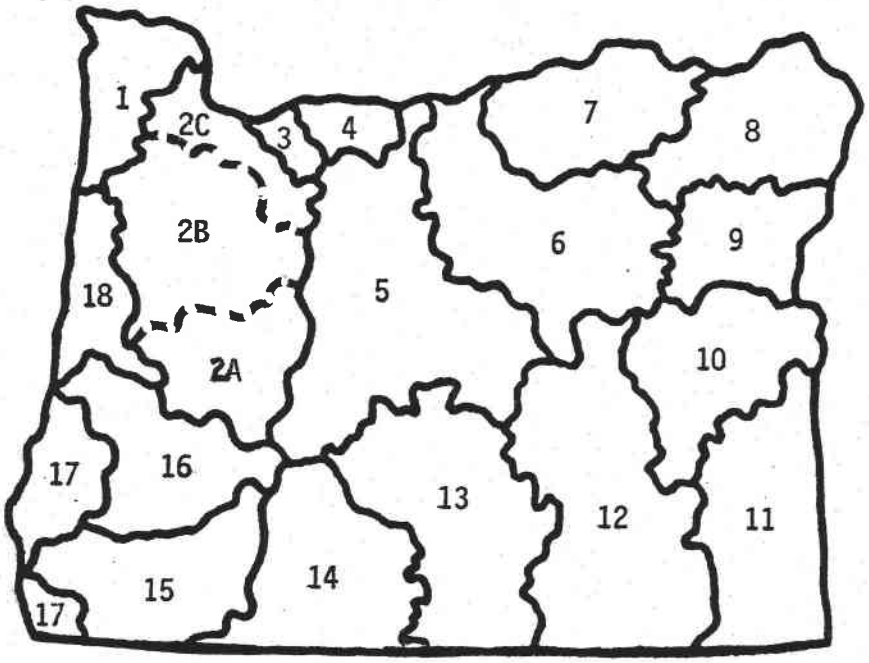
A RESOURCE SURVEY OF RIVER ENERGY AND LOW-HEAD HYDROELECTRIC POWER POTENTIAL IN OREGON

APPENDIX 17: SOUTH COAST BASIN

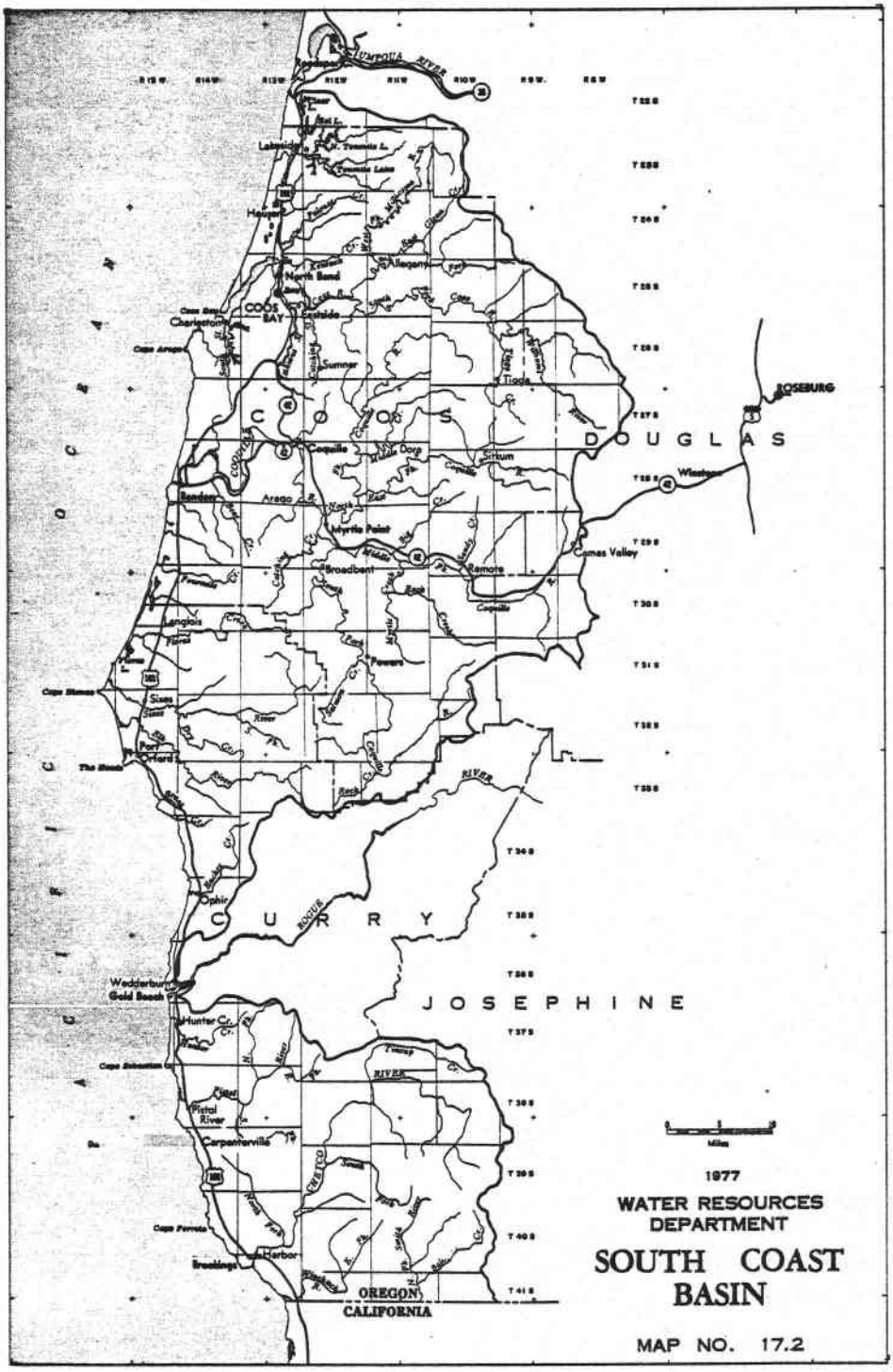


WATER RESOURCES RESEARCH INSTITUTE
Oregon State University
Corvallis, Oregon 97331

Appendix to
WRRI-61

April 1979

INDEX TO APPENDIX 17, SOUTH COAST BASIN


COOS
DOUGLAS
CURRY
JOSEPHINE
COOS BAY
ROSEBURG
Bandon
Coquille
Broadbent
Remote
Langlois
Sixes
Port Orford
Gold Beach
Wedderburn
Ophir
Pistol River
Carpenterville
Brookings
Harbor
OREGON
CALIFORNIA
1977
WATER RESOURCES DEPARTMENT
SOUTH COAST BASIN
MAP NO. 17.2

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.27, T25S, R12W
D.	Latitude, Longitude	43°22'N,24°22'W
E.	Stream Name	Coos River
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 5.5

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

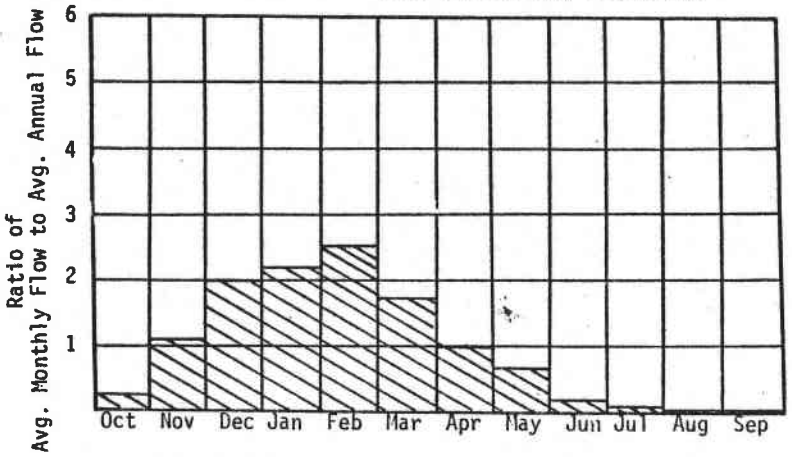
A.	Upstream Elevation of Reach	1	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	1	Ft.
D.	Average Slope in Reach	0.2	Ft./Mi.
E.	Drainage Area above Reach Mouth	411.0	Sq.Mi.
F.	Inflow Classification	Natural	

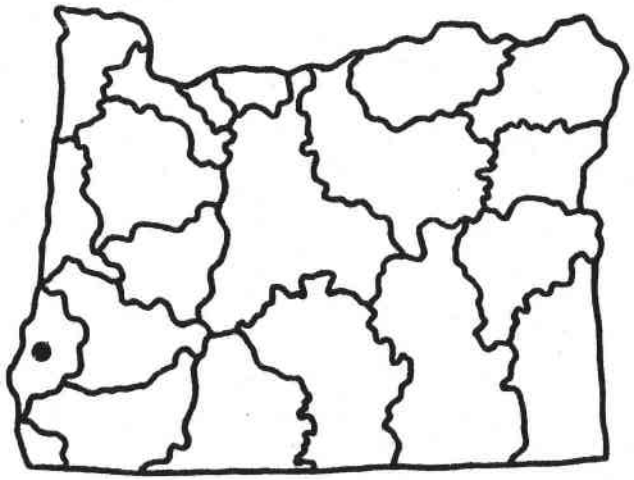
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	60.4	.01	.04	1.000
80	108.1	.01	.08	.945
50	570.4	.05	.30	.706
30	1536.8	.13	.59	.514
10	4617.4	.39	1.04	.304

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1613 CFS





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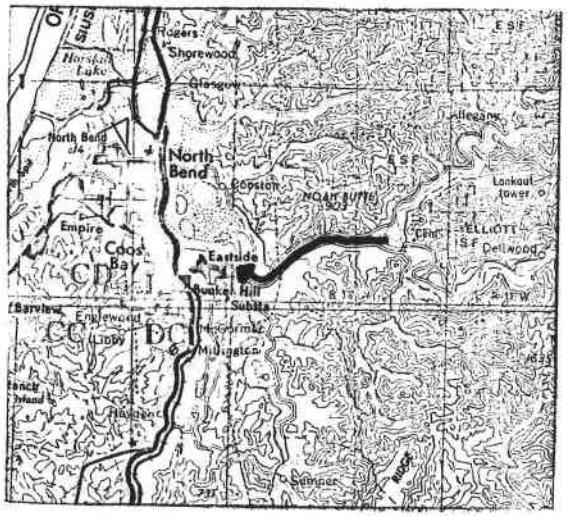
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-006-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.16, T25S, R11W
D.	Latitude, Longitude	43°23'N,124°03'W
E.	Stream Name	Millicoma River
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 8.7

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

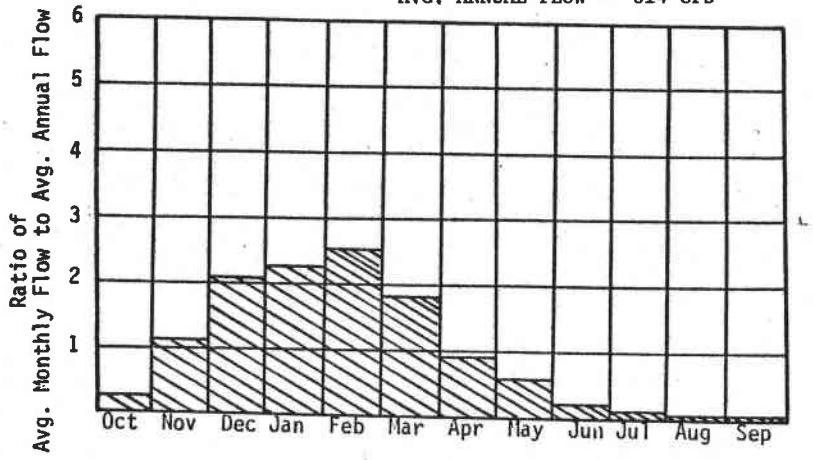
A.	Upstream Elevation of Reach	43	Ft. MSL
B.	Downstream Elevation of Reach	1	Ft. MSL
C.	Total Available Head in Reach	42	Ft.
D.	Average Slope in Reach	4.8	Ft./Mi.
E.	Drainage Area above Reach Mouth	150	Sq.Mi.
F.	Inflow Classification	Natural	

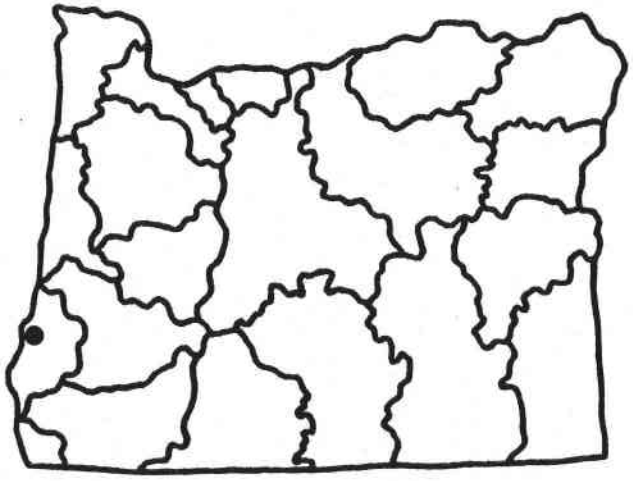
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	16.4	.06	.51	1.000
80	34.8	.12	1.01	.934
50	216.1	.77	4.69	.696
30	604.2	2.15	9.53	.506
10	1761.8	6.27	16.75	.305

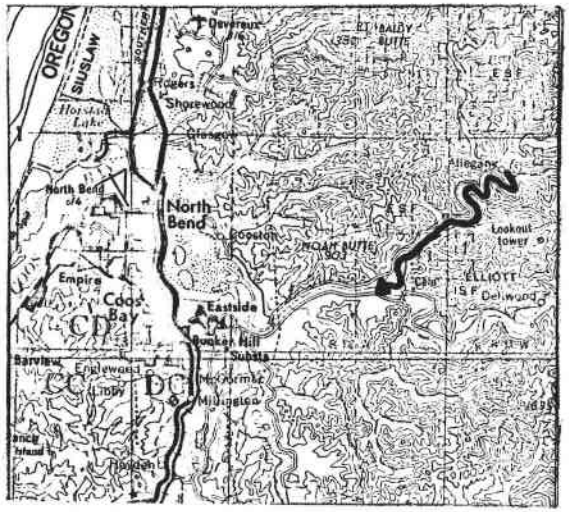
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 614 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-006-002-000-R0001

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.30, T24S, R11W	
D. Latitude, Longitude	43°27'N,123°57'W	
E. Stream Name	West Fork Millicoma	River
F. Major Basin Name	South Coast	
G. River Mile	0.0 to 8.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

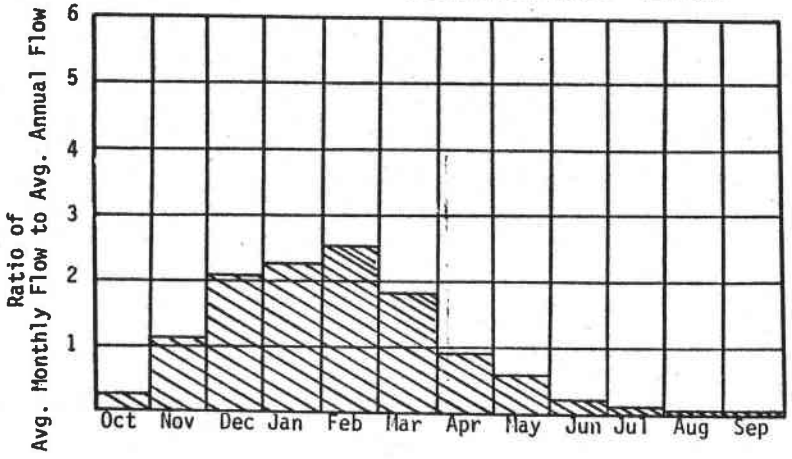
A. Upstream Elevation of Reach	111	Ft. MSL
B. Downstream Elevation of Reach	43	Ft. MSL
C. Total Available Head in Reach	68	Ft.
D. Average Slope in Reach	8.5	Ft./Mi.
E. Drainage Area above Reach Mouth	55.1	Sq.Mi.
F. Inflow Classification	Natural	

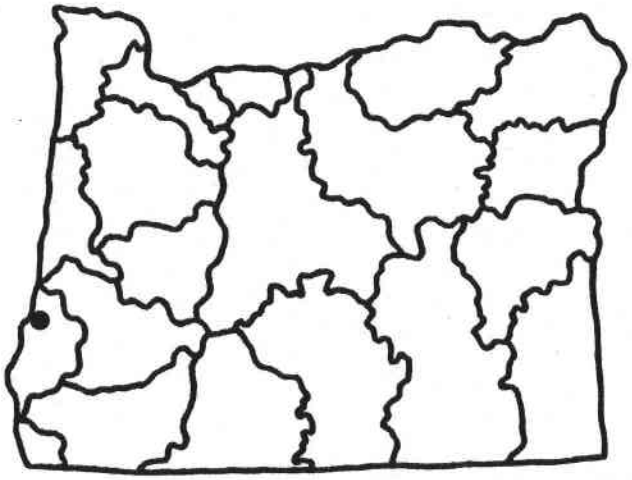
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.2	.02	.21	1.000
80	10.6	.06	.50	.925
50	78.4	.45	2.72	.687
30	227.8	1.31	5.74	.499
10	643.9	3.71	9.94	.306

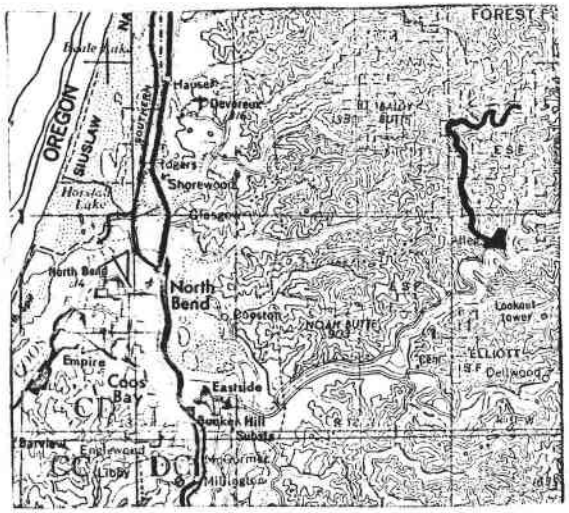
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 224 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-006-002-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.16, T24S, R11W
D.	Latitude, Longitude	43°29'N,123°59'W
E.	Stream Name	West Fork Millicoma River
F.	Major Basin Name	South Coast
G.	River Mile	8.0 to 17.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

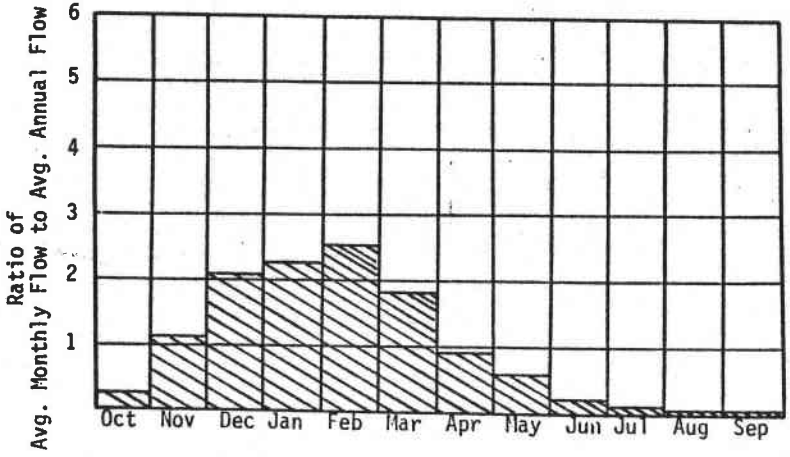
A.	Upstream Elevation of Reach	496	Ft. MSL
B.	Downstream Elevation of Reach	111	Ft. MSL
C.	Total Available Head in Reach	385	Ft.
D.	Average Slope in Reach	42.8	Ft./Mi.
E.	Drainage Area above Reach Mouth	44.9	Sq.Mi.
F.	Inflow Classification	Natural	

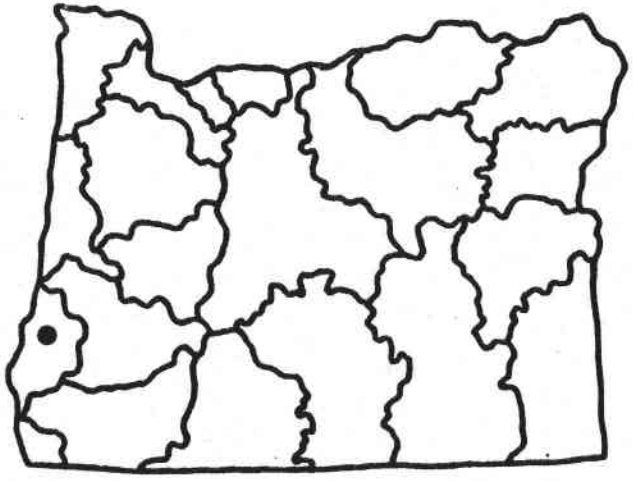
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	3.3	.11	.94	1.000
80	8.5	.28	2.25	.923
50	64.9	2.12	12.72	.686
30	189.9	6.20	27.01	.498
10	533.6	17.41	46.66	.306

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 186 CFS





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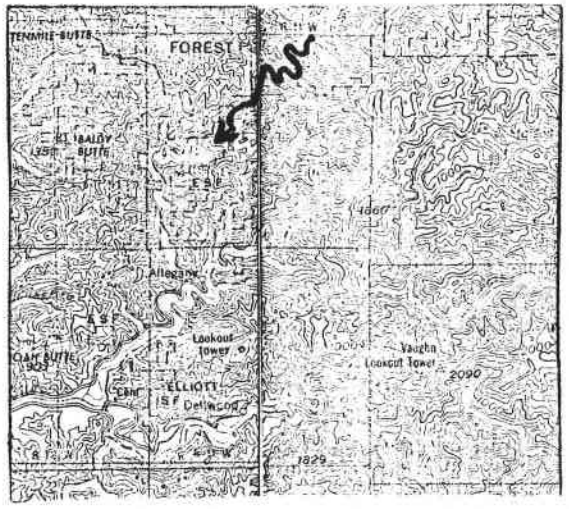
MAP NAME: COOS BAY-ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-006-002-000-R0003

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.26, T23S, R11W	
D. Latitude, Longitude	43°33'N,124°02'W	
E. Stream Name	West Fork Millicoma	River
F. Major Basin Name	South Coast	
G. River Mile	17.0 to 27.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

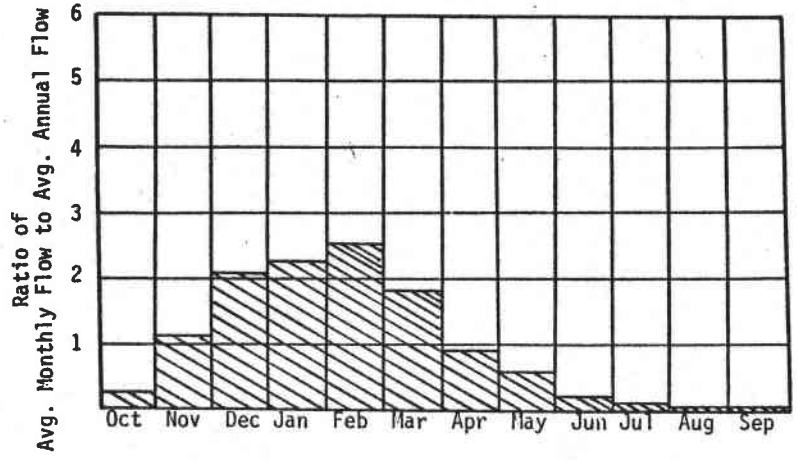
A. Upstream Elevation of Reach	778	Ft. MSL
B. Downstream Elevation of Reach	496	Ft. MSL
C. Total Available Head in Reach	282	Ft.
D. Average Slope in Reach	28.1	Ft./Mi.
E. Drainage Area above Reach Mouth	36.8	Sq.Mi.
F. Inflow Classification	Natural	

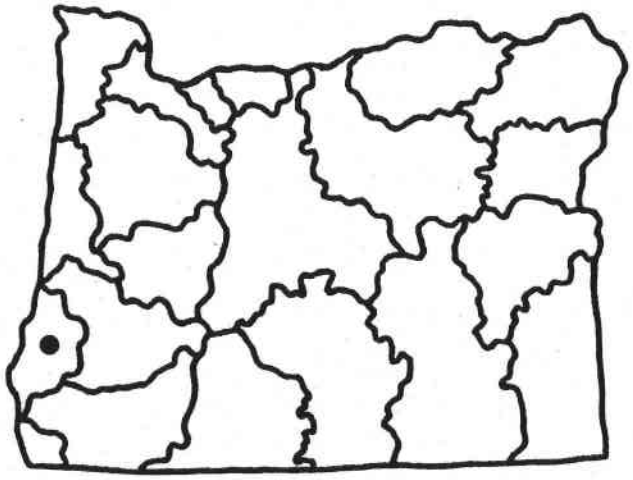
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.2	.05	.47	1.000
80	6.1	.15	1.18	.921
50	48.7	1.16	6.97	.684
30	144.0	3.44	14.95	.496
10	401.1	9.59	25.72	.306

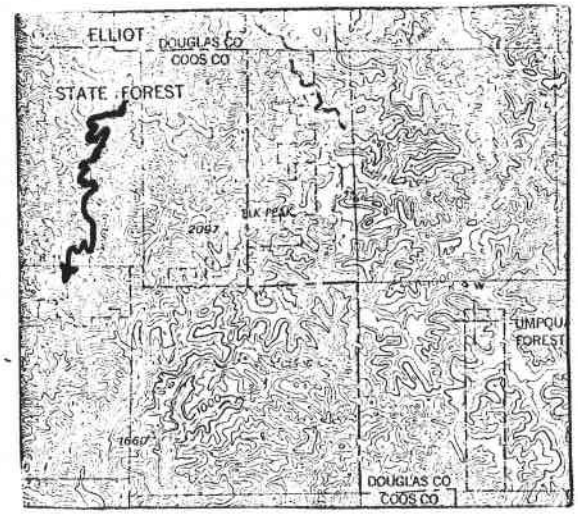
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 137 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-006-002-000-R0004

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.14, T23S, R10W
D.	Latitude, Longitude	43°33'N,123°57'W
E.	Stream Name	West Fork Millicoma River
F.	Major Basin Name	South Coast
G.	River Mile	27.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

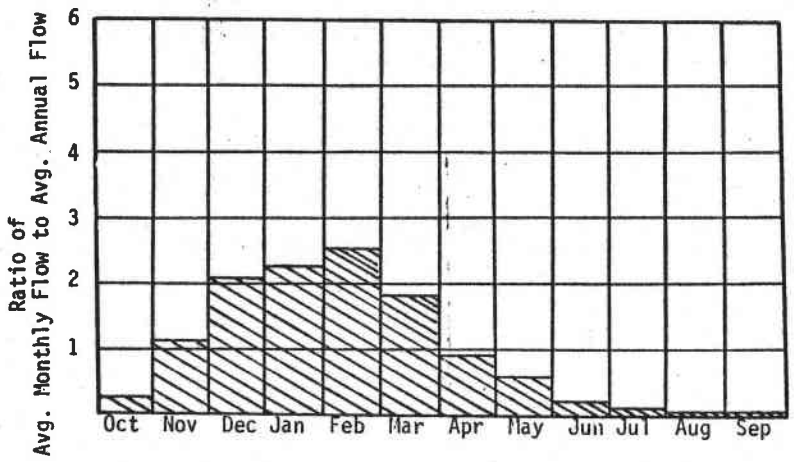
A.	Upstream Elevation of Reach	-----	Ft. MSL
B.	Downstream Elevation of Reach	-----	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	-----	Ft./Mi.
E.	Drainage Area above Reach Mouth	25	Sq.Mi.
F.	Inflow Classification	Natural	

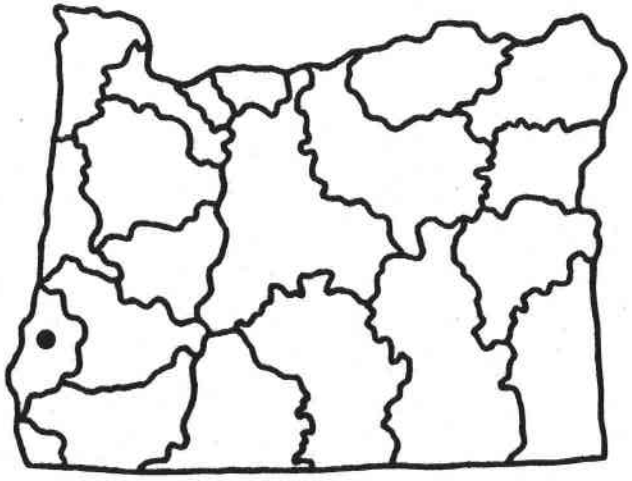
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.6	.01	.08	1.000
80	4.7	.03	.21	.919
50	38.7	.22	1.30	.682
30	115.6	.65	2.80	.495
10	319.6	1.79	4.80	.307

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 111 CFS





U.S.G.S. TOPO. SERIES
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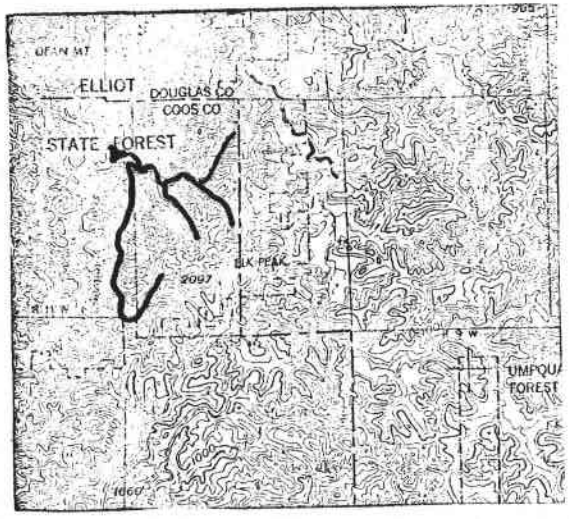
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-006-005-000-R0001

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.35, T24S, R11W	
D. Latitude, Longitude	43°27'N,124°02'W	
E. Stream Name	East Fork Millicoma	River
F. Major Basin Name	South Coast	
G. River Mile	0.0 to 12.6	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

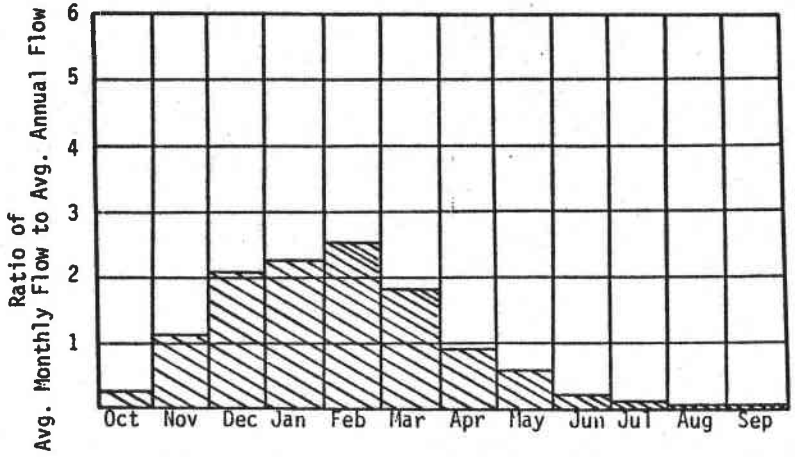
A. Upstream Elevation of Reach	248	Ft. MSL
B. Downstream Elevation of Reach	42	Ft. MSL
C. Total Available Head in Reach	205	Ft.
D. Average Slope in Reach	16.3	Ft./Mi.
E. Drainage Area above Reach Mouth	77.5	Sq.Mi.
F. Inflow Classification	Natural	

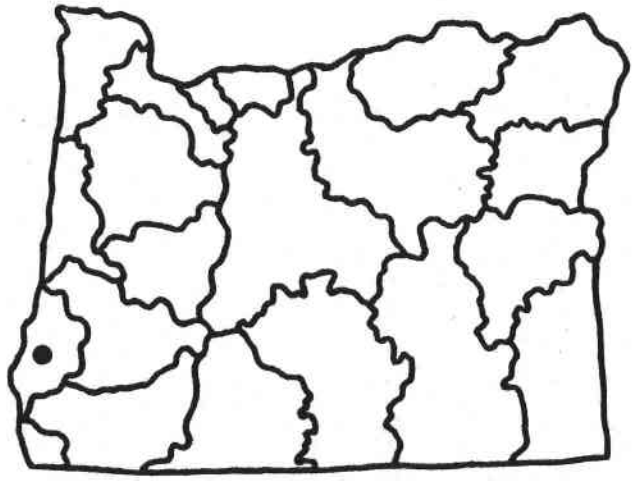
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.9	.09	.76	1.000
80	12.2	.21	1.73	.926
50	88.1	1.54	9.28	.688
30	254.9	4.45	19.48	.500
10	723.1	12.62	33.80	.306

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 251 CFS





U.S.G.S. TOPO. SERIES
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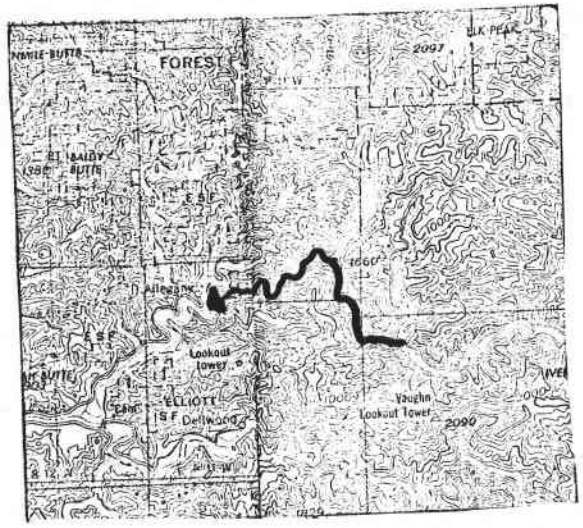


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-006-005-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.6, T25S, R10W
D.	Latitude, Longitude	43°25'N,124°10'W
E.	Stream Name	East Fork Millicoma River
F.	Major Basin Name	South Coast
G.	River Mile	12.6 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

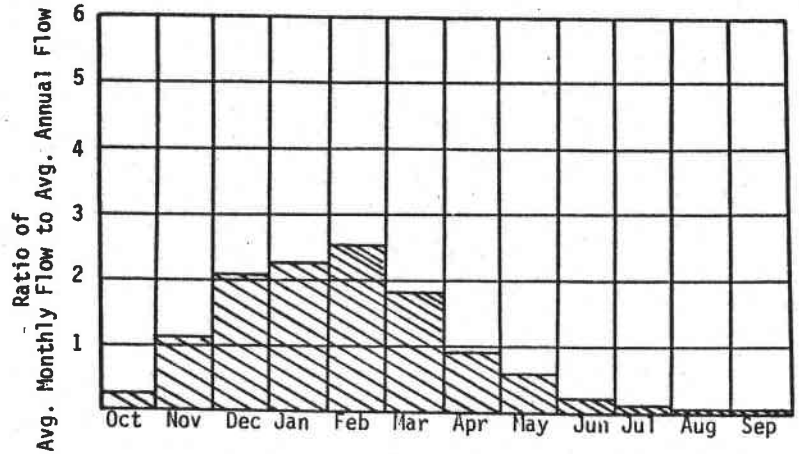
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	41.3	Sq.Mi.
F.	Inflow Classification	Natural	

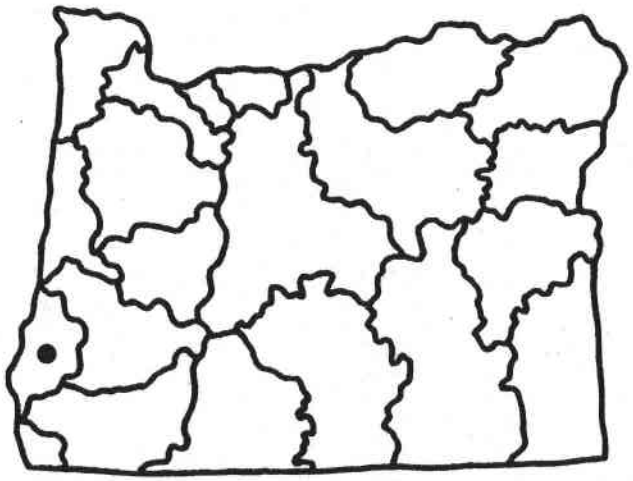
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.9	.02	.14	1.000
80	7.7	.04	.35	.922
50	59.2	.33	1.99	.685
30	173.9	.97	4.24	.497
10	487.2	2.73	7.31	.306

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 169 CFS





U.S.G.S. TOPO. SERIES
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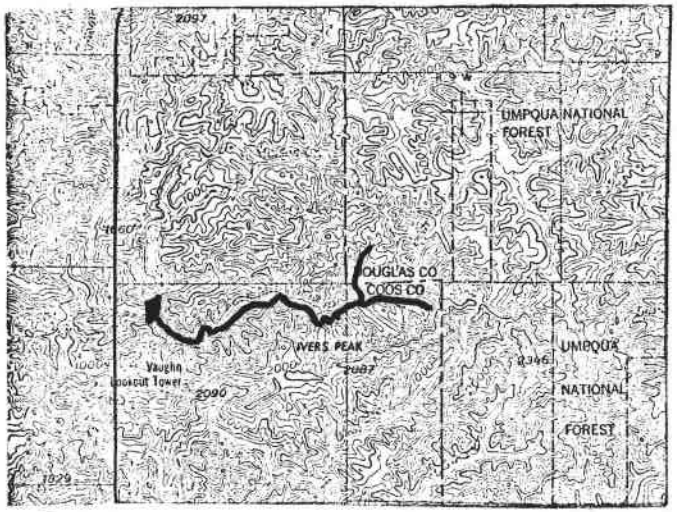
MAP NAME: ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-009-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.31, T25S, R11W
D.	Latitude, Longitude	43°21'N,123°57'W
E.	Stream Name	South Fork Coos River
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 10.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

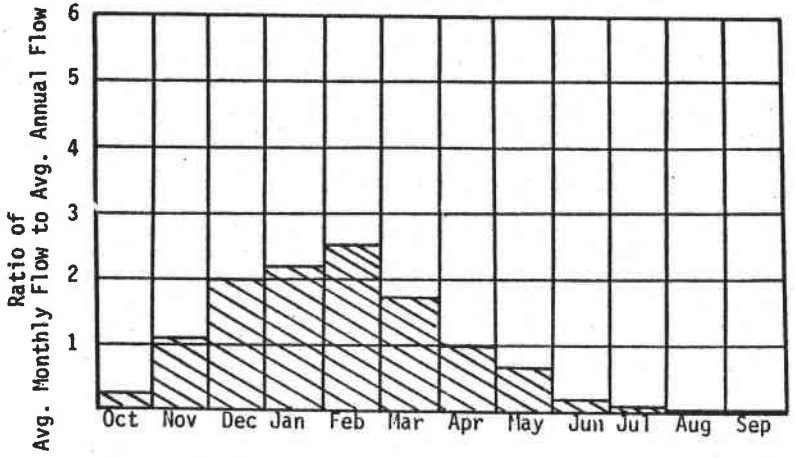
A.	Upstream Elevation of Reach	19	Ft. MSL
B.	Downstream Elevation of Reach	1	Ft. MSL
C.	Total Available Head in Reach	18	Ft.
D.	Average Slope in Reach	1.7	Ft./Mi.
E.	Drainage Area above Reach Mouth	252	Sq.Mi.
F.	Inflow Classification	Natural	

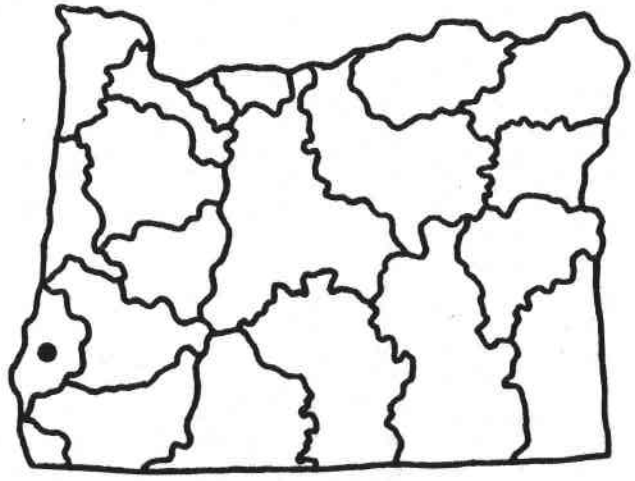
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	27.1	.04	.36	1.000
80	53.8	.08	.67	.938
50	313.7	.48	2.93	.699
30	864.6	1.32	5.88	.509
10	2550.3	3.89	10.38	.305

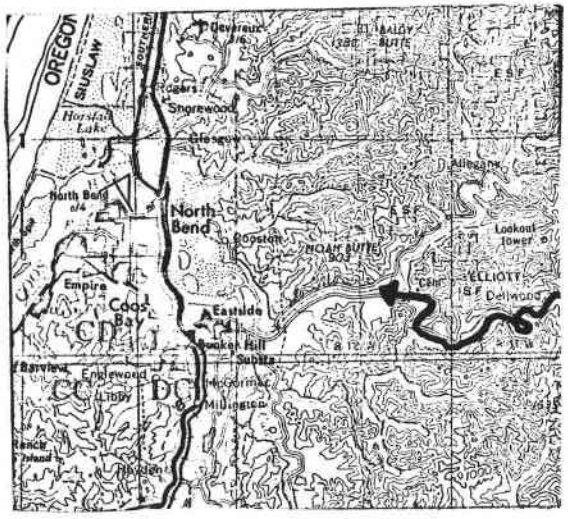
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 890 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-009-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.24, T25S, R11W
D.	Latitude, Longitude	43°23'N,123°57'W
E.	Stream Name	South Fork Coos River
F.	Major Basin Name	South Coast
G.	River Mile	10.0 to 20.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

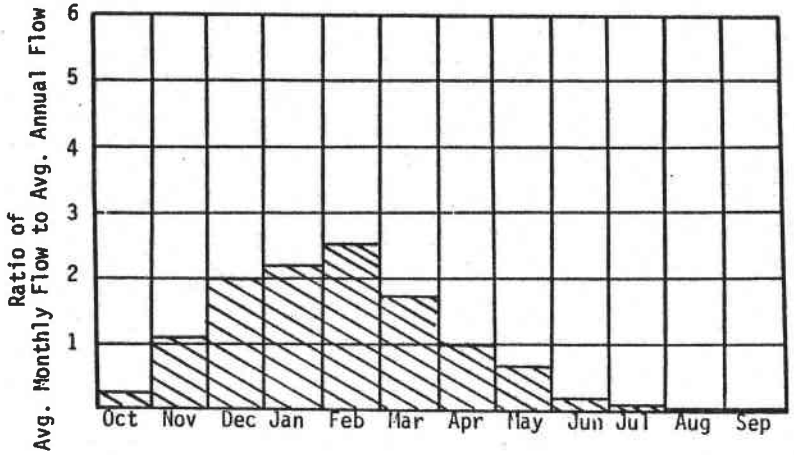
A.	Upstream Elevation of Reach	202	Ft. MSL
B.	Downstream Elevation of Reach	19	Ft. MSL
C.	Total Available Head in Reach	183	Ft.
D.	Average Slope in Reach	18.3	Ft./Mi.
E.	Drainage Area above Reach Mouth	229.8	Sq.Mi.
F.	Inflow Classification	Natural	

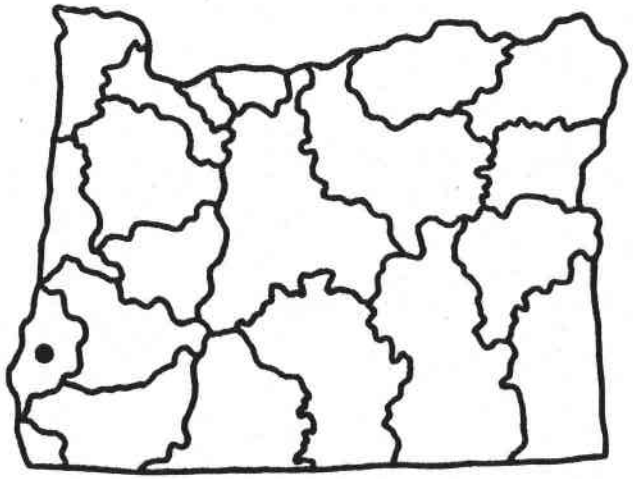
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	23.2	.36	3.15	1.000
80	47.0	.73	5.98	.937
50	279.6	4.34	26.52	.698
30	773.9	12.00	53.38	.508
10	2274.6	35.28	94.15	.305

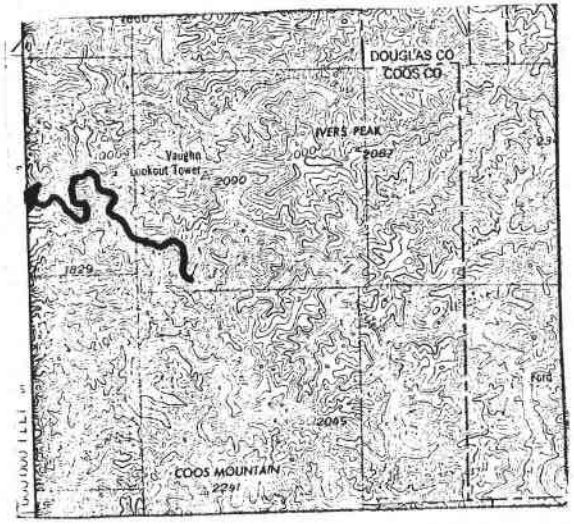
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 794 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-009-000-000-R0003

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.35, T25S, R10W	
D. Latitude, Longitude	43°22'N,123°51'W	
E. Stream Name	South Fork Coos River	
F. Major Basin Name	South Coast	
G. River Mile	20.0 to 31.5	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

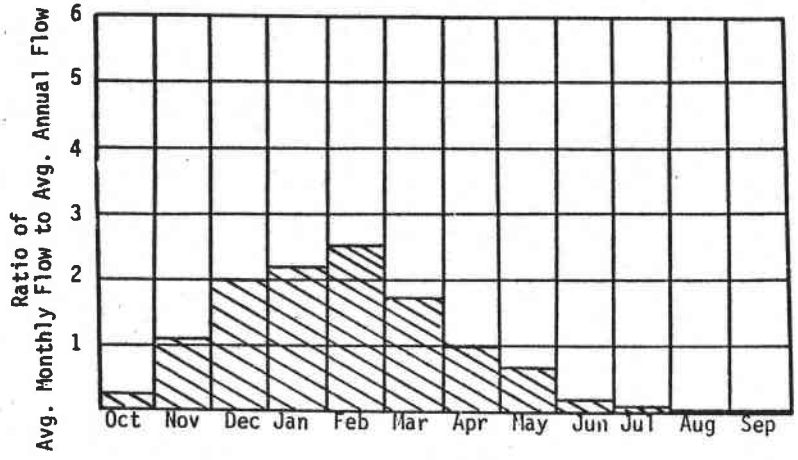
A. Upstream Elevation of Reach	451	Ft. MSL
B. Downstream Elevation of Reach	202	Ft. MSL
C. Total Available Head in Reach	249	Ft.
D. Average Slope in Reach	21.7	Ft./Mi.
E. Drainage Area above Reach Mouth	204.1	Sq.Mi.
F. Inflow Classification	Natural	

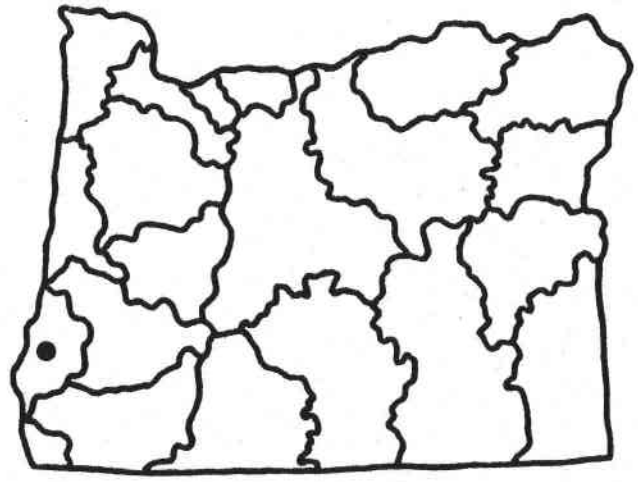
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	18.6	.39	3.44	1.000
80	38.7	.82	6.69	.935
50	236.8	5.00	30.50	.697
30	659.7	13.92	61.76	.506
10	1929.1	40.71	108.69	.305

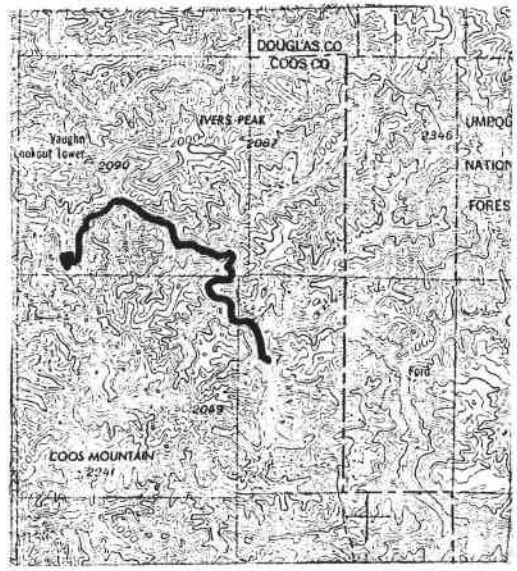
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 672 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-009-008-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.9, T26S, R9W
D.	Latitude, Longitude	43°20'N,123°48'W
E.	Stream Name	Williams River
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 7.8

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

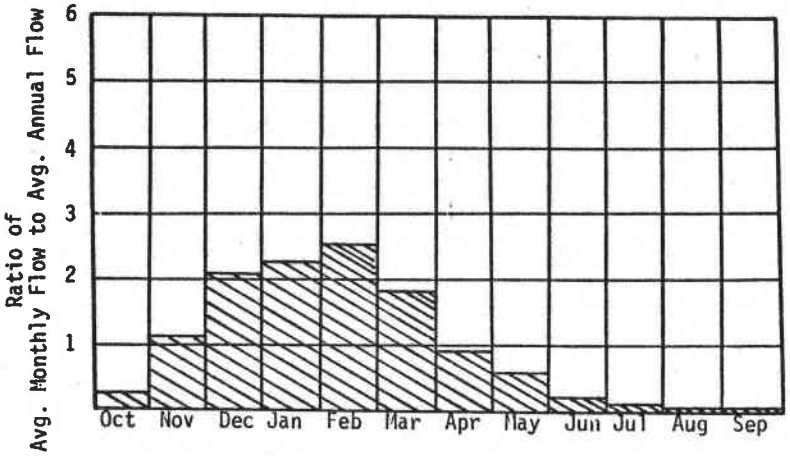
A.	Upstream Elevation of Reach	625	Ft. MSL
B.	Downstream Elevation of Reach	450	Ft. MSL
C.	Total Available Head in Reach	175	Ft.
D.	Average Slope in Reach	22.4	Ft./Mi.
E.	Drainage Area above Reach Mouth	124	Sq.Mi.
F.	Inflow Classification	Natural	

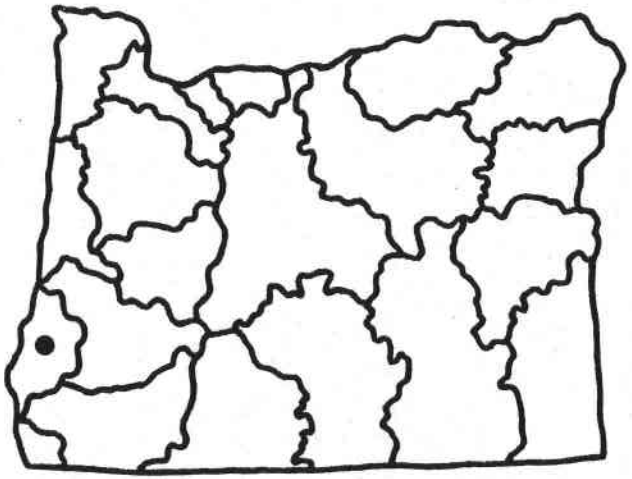
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.9	.13	1.16	1.000
80	20.4	.30	2.47	.930
50	137.0	2.03	12.31	.692
30	389.6	5.78	25.44	.503
10	1120.3	16.61	44.42	.305

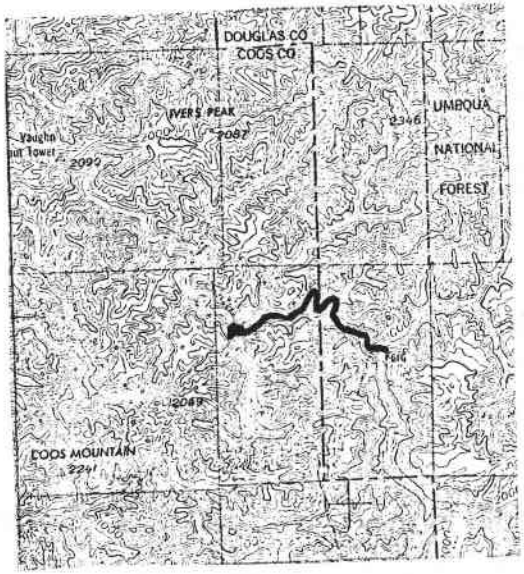
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 390 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-009-008-001-R0001

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.12, T26S, R9W
D.	Latitude, Longitude	43°14'N,123°48'W
E.	Stream Name	Cedar Creek
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 3.3

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

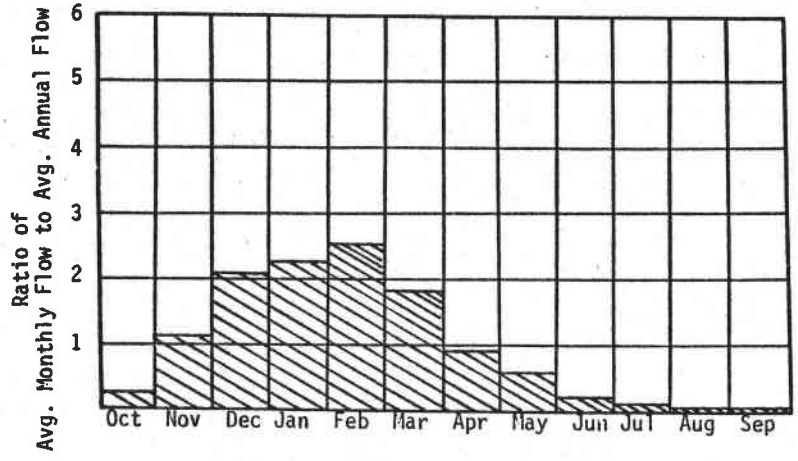
A.	Upstream Elevation of Reach	690	Ft. MSL
B.	Downstream Elevation of Reach	625	Ft. MSL
C.	Total Available Head in Reach	65	Ft.
D.	Average Slope in Reach	19.7	Ft./Mi.
E.	Drainage Area above Reach Mouth	35.7	Sq.Mi.
F.	Inflow Classification	Natural	

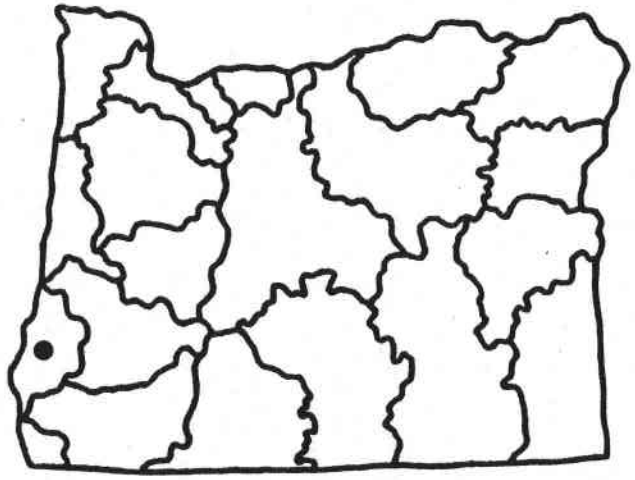
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE 'GWH	PLANT FACTOR
95	1.7	.01	.08	1.000
80	4.7	.03	.21	.919
50	39.2	.22	1.29	.682
30	116.8	.64	2.79	.495
10	323.1	1.78	4.78	.307

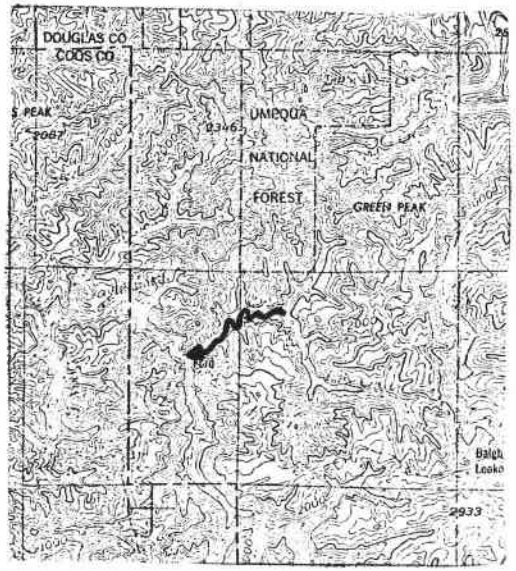
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 112 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-009-008-001-R0002

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.8, T26S, R8W
D.	Latitude, Longitude	43°18'N,124°02'W
E.	Stream Name	Cedar Creek
F.	Major Basin Name	South Coast
G.	River Mile	3.3 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

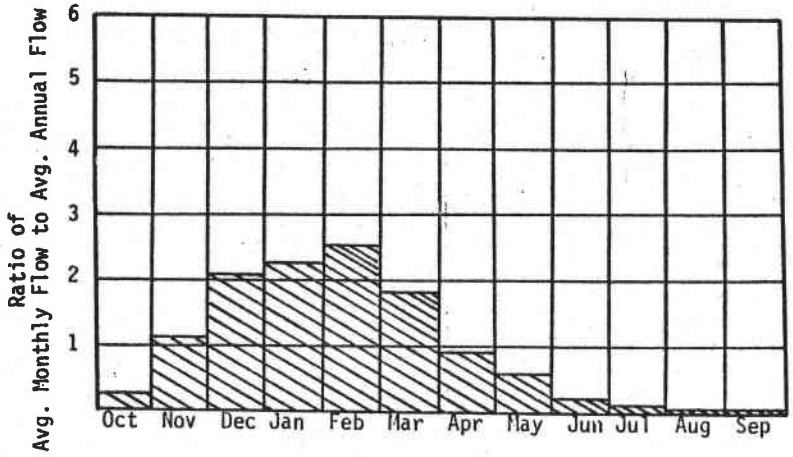
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	29.4	Sq.Mi.
F.	Inflow Classification	Natural	

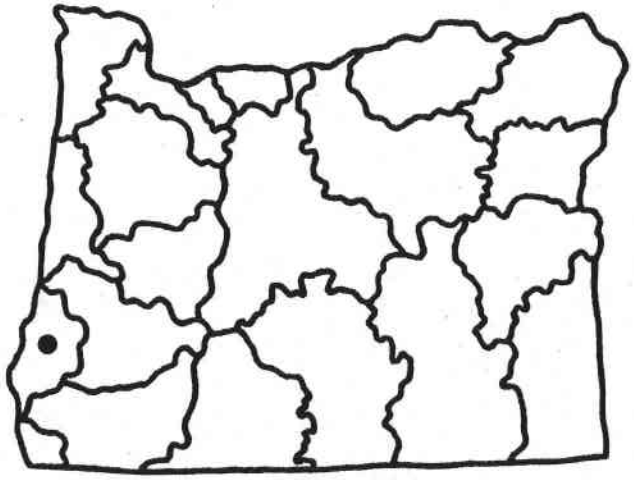
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.4	.01	.07	1.000
80	4.2	.02	.19	.918
50	35.1	.20	1.17	.682
30	105.0	.59	2.54	.494
10	289.6	1.62	4.35	.307

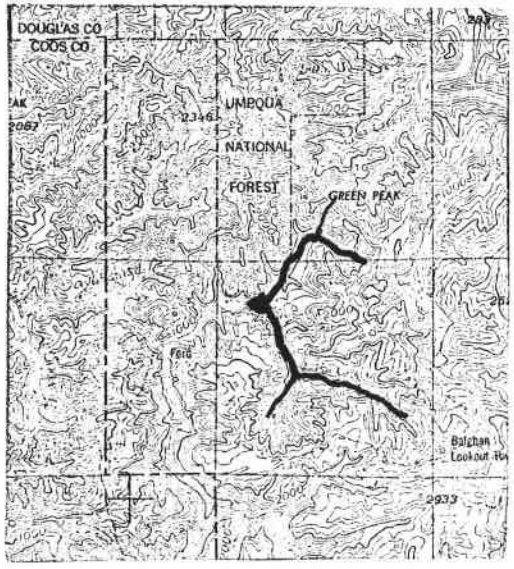
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 100 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-009-008-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.35, T27S, R9W
D.	Latitude, Longitude	43°15'N,123°49'W
E.	Stream Name	Williams Creek
F.	Major Basin Name	South Coast
G.	River Mile	7.8 to 17.2

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

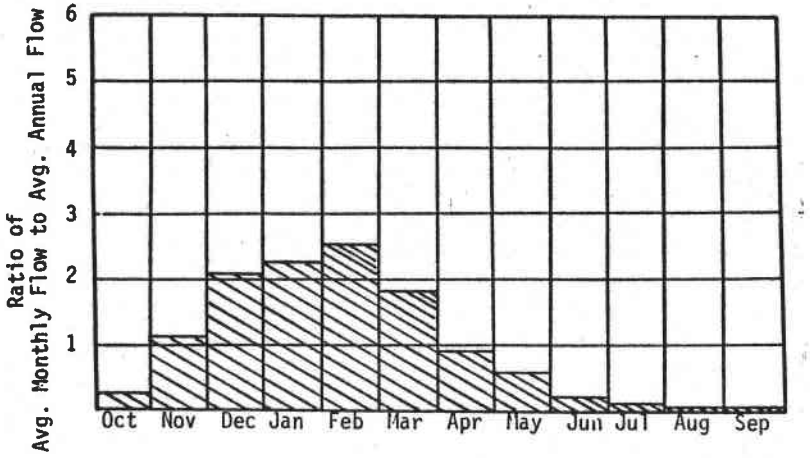
A.	Upstream Elevation of Reach	1160	Ft. MSL
B.	Downstream Elevation of Reach	625	Ft. MSL
C.	Total Available Head in Reach	535	Ft.
D.	Average Slope in Reach	56.9	Ft./Mi.
E.	Drainage Area above Reach Mouth	62.1	Sq.Mi.
F.	Inflow Classification	Natural	

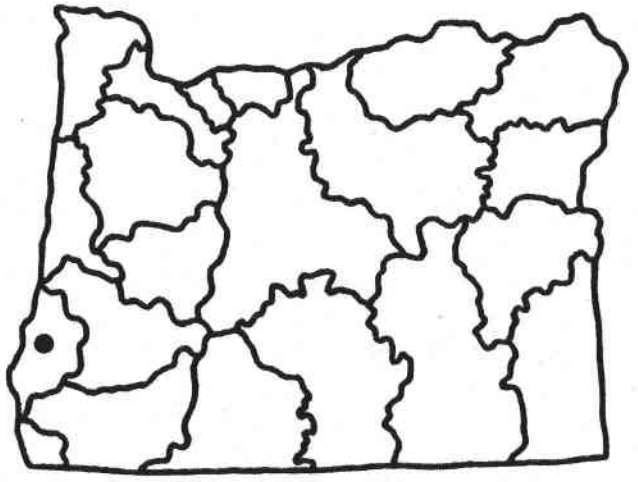
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.6	.12	1.05	1.000
80	7.1	.32	2.58	.922
50	55.1	2.50	15.00	.685
30	162.3	7.36	32.03	.497
10	453.9	20.58	55.19	.306

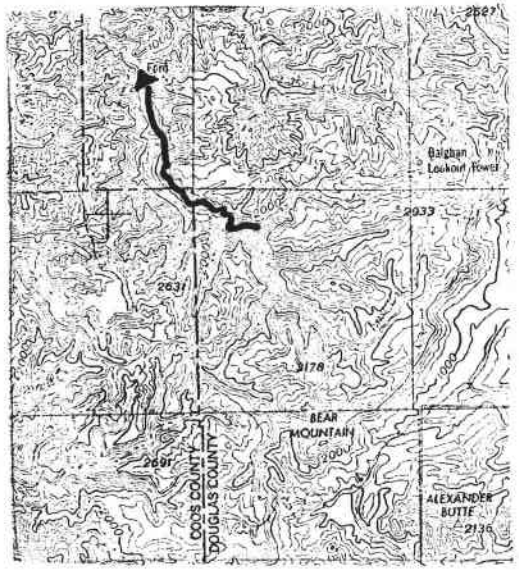
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 158 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-009-008-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Douglas
C.	Township, Range	Sec.8, T27S, R8W
D.	Latitude, Longitude	43°12'N,123°52'W
E.	Stream Name	Williams River
F.	Major Basin Name	South Coast
G.	River Mile	17.2 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

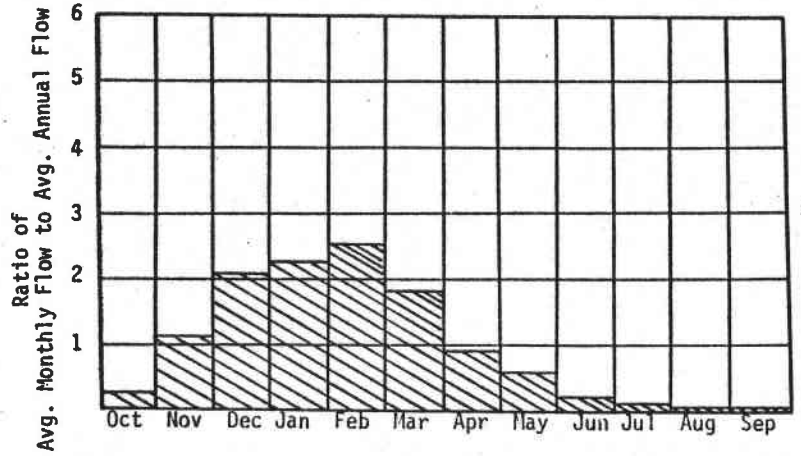
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	30.3	Sq.Mi.
F.	Inflow Classification	Natural	

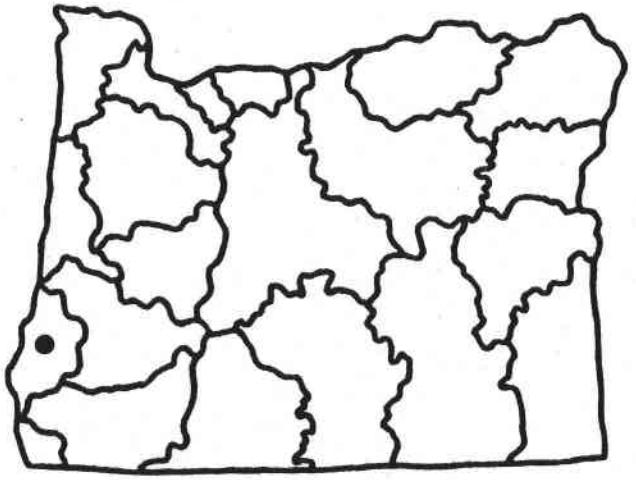
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.4	.01	.07	1.000
80	4.1	.02	.18	.918
50	34.6	.19	1.16	.682
30	103.8	.58	2.51	.494
10	286.2	1.60	4.30	.307

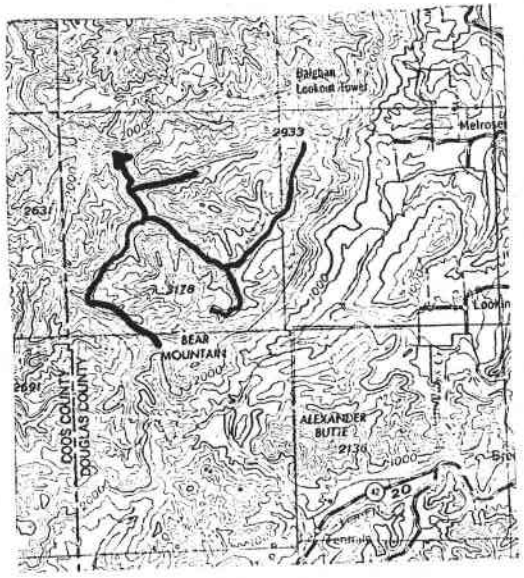
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 99 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-009-011-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.20, T26S, R9W
D.	Latitude, Longitude	43°18'N,123°48'W
E.	Stream Name	Tioga Creek
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 4.9

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

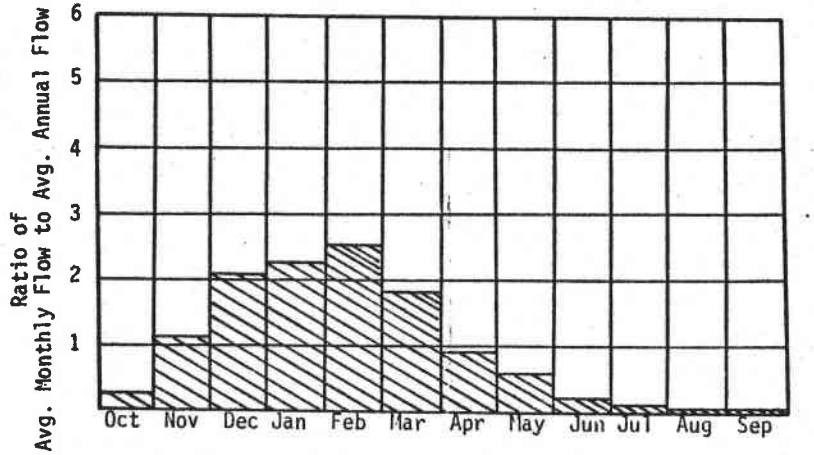
A.	Upstream Elevation of Reach	588	Ft. MSL
B.	Downstream Elevation of Reach	451	Ft. MSL
C.	Total Available Head in Reach	137	Ft.
D.	Average Slope in Reach	28.0	Ft./Mi.
E.	Drainage Area above Reach Mouth	38.7	Sq.Mi.
F.	Inflow Classification	Natural	

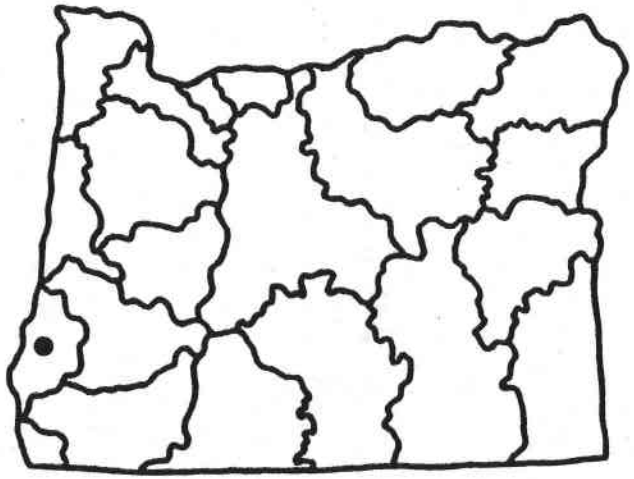
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.9	.02	.20	1.000
80	5.4	.06	.50	.920
50	43.8	.51	3.04	.683
30	130.1	1.51	6.55	.495
10	361.2	4.19	11.25	.306

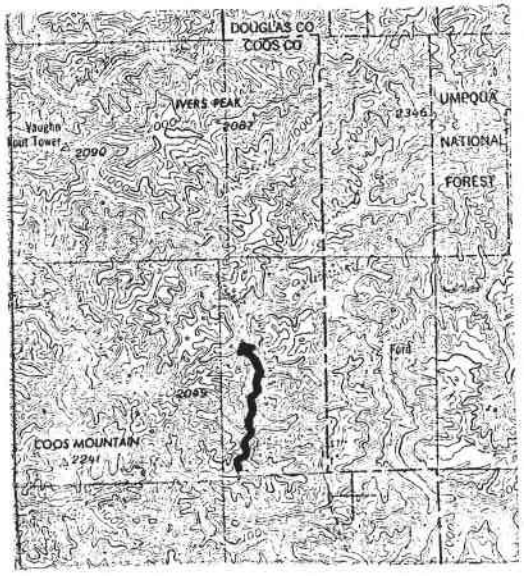
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 125 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-810-009-011-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.31, T27S, R9W
D.	Latitude, Longitude	43°13'N,123°48'W
E.	Stream Name	Tioga Creek
F.	Major Basin Name	South Coast
G.	River Mile	4.9 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

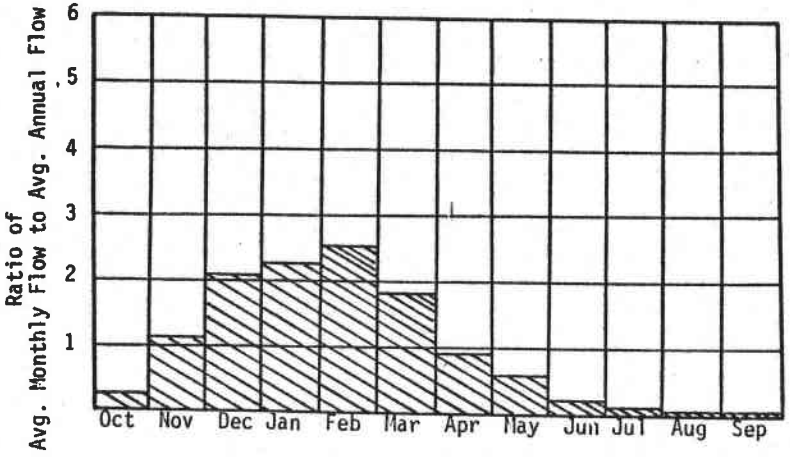
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	25.5	Sq.Mi.
F.	Inflow Classification	Natural	

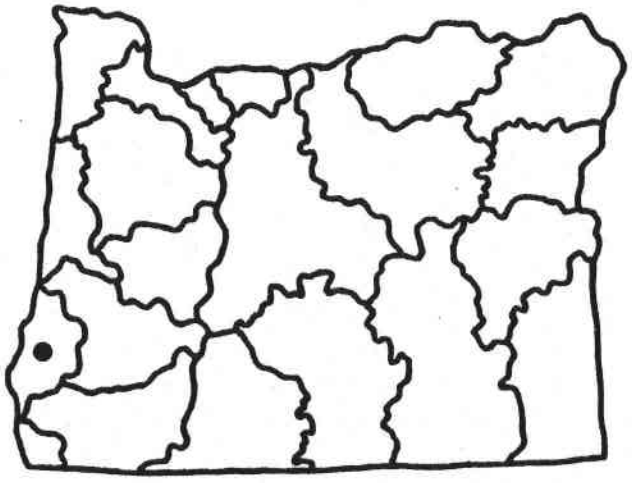
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.4	.01	.07	1.000
80	4.1	.02	.18	.918
50	34.5	.19	1.15	.682
30	103.5	.58	2.51	.494
10	285.3	1.60	4.29	.307

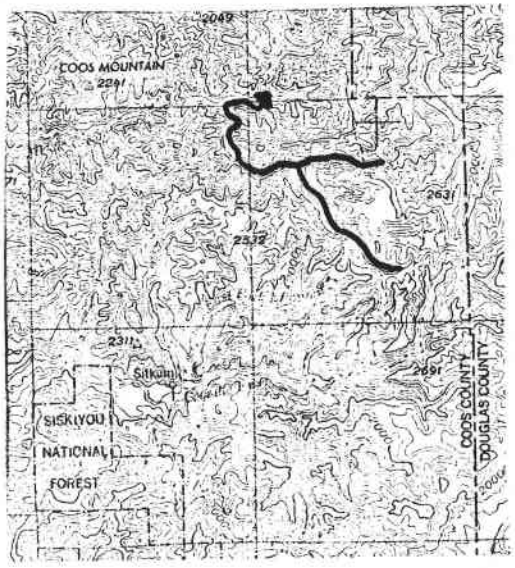
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 99 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.17, T28S, R14W
D.	Latitude, Longitude	43°10'N,124°22'W
E.	Stream Name	Coquille River
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 8.4

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

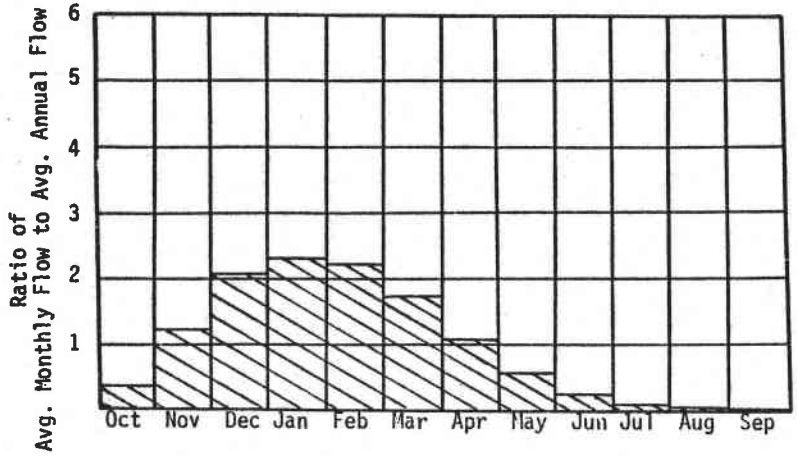
A.	Upstream Elevation of Reach	1	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	1	Ft.
D.	Average Slope in Reach	0	Ft./Mi.
E.	Drainage Area above Reach Mouth	1051.9	Sq.Mi.
F.	Inflow Classification	Natural	

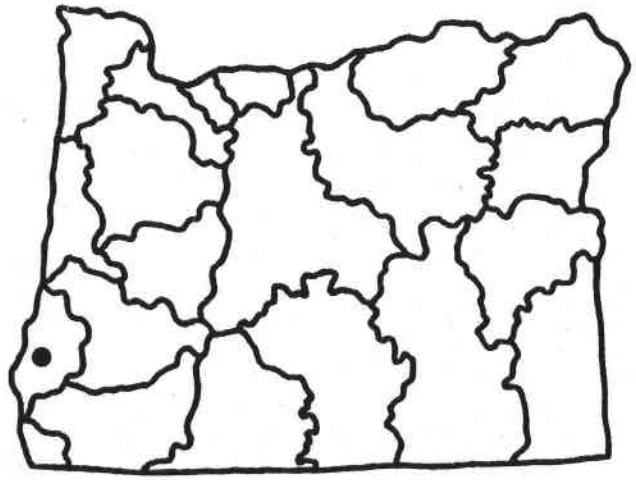
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	169.7	.01	.13	1.000
80	266.3	.02	.19	.955
50	1234.0	.10	.66	.716
30	3228.8	.27	1.25	.521
10	9933.7	.84	2.24	.304

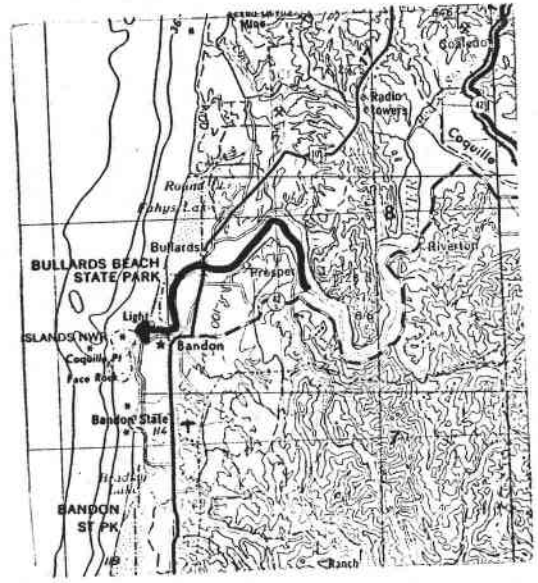
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 3478 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-000-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.18, T28S, R13W
D.	Latitude, Longitude	43°08'N,124°17'W
E.	Stream Name	Coquille River
F.	Major Basin Name	South Coast
G.	River Mile	8.4 to 19.7

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

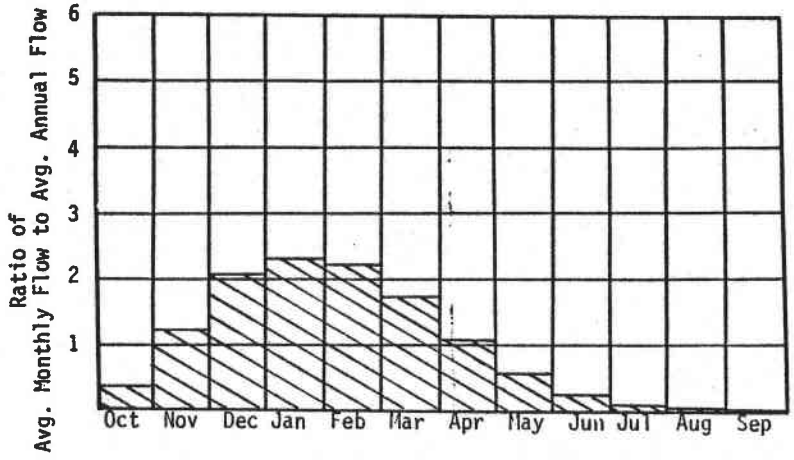
A.	Upstream Elevation of Reach	9	Ft. MSL
B.	Downstream Elevation of Reach	1	Ft. MSL
C.	Total Available Head in Reach	8	Ft.
D.	Average Slope in Reach	0.7	Ft./Mi.
E.	Drainage Area above Reach Mouth	1000.0	Sq.Mi.
F.	Inflow Classification	Natural	

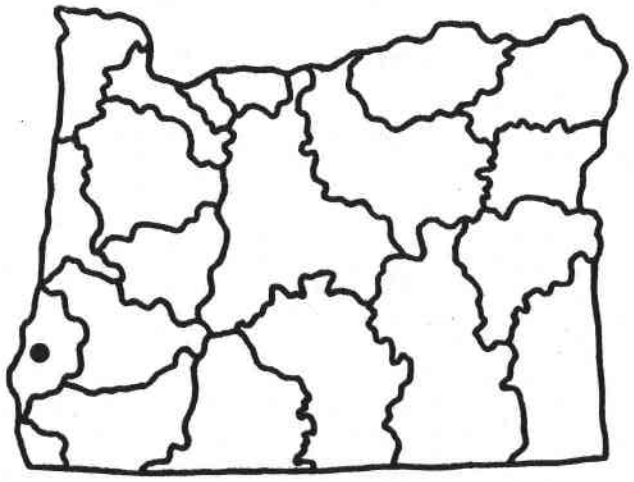
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	161.6	.11	.96	1.000
80	255.1	.17	1.45	.954
50	1189.4	.81	5.05	.715
30	3116.3	2.11	9.63	.520
10	9577.0	6.49	17.30	.304

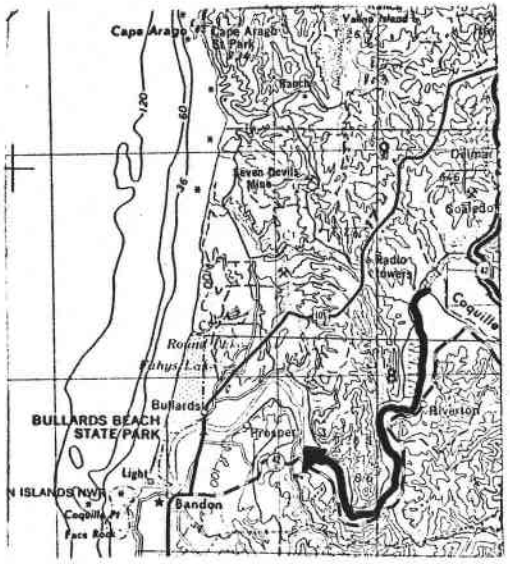
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 3353 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-000-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.1, T28S, R13W
D.	Latitude, Longitude	43°10'N,124°11'W
E.	Stream Name	Coquille River
F.	Major Basin Name	South Coast
G.	River Mile	19.7 to 30.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

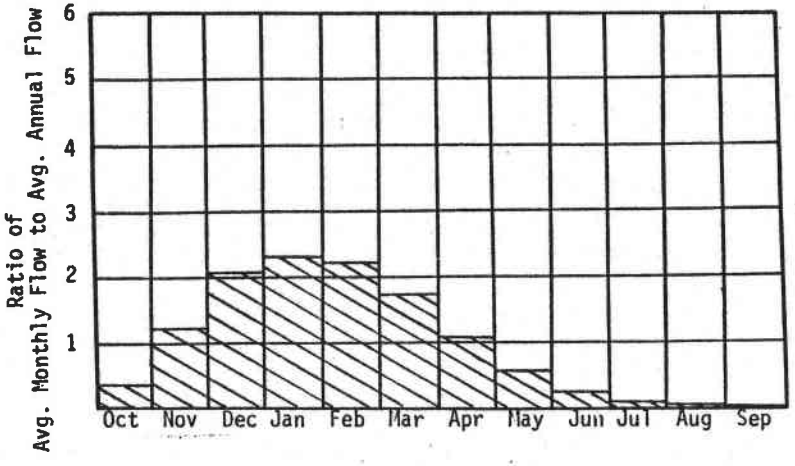
A.	Upstream Elevation of Reach	16	Ft. MSL
B.	Downstream Elevation of Reach	8	Ft. MSL
C.	Total Available Head in Reach	7	Ft.
D.	Average Slope in Reach	0.7	Ft./Mi.
E.	Drainage Area above Reach Mouth	957.4	Sq.Mi.
F.	Inflow Classification	Natural	

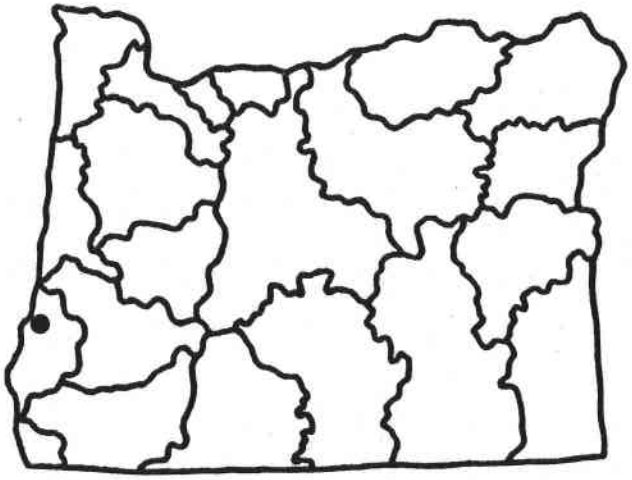
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	153.5	.09	.80	1.000
80	243.9	.14	1.21	.954
50	1144.9	.68	4.25	.715
30	3004.1	1.78	8.12	.520
10	9221.1	5.47	14.58	.304

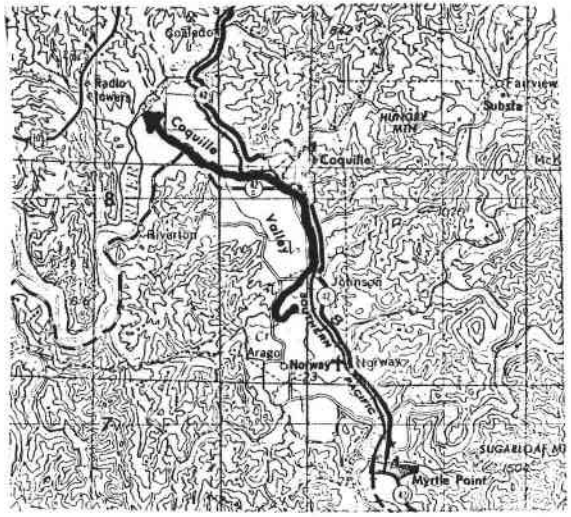
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 3229 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-000-000-000-R0005

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.36, T28S, R12W
D.	Latitude, Longitude	43°06'N,124°10'W
E.	Stream Name	Coquille River
F.	Major Basin Name	South Coast
G.	River Mile	30.0 to 36.4

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

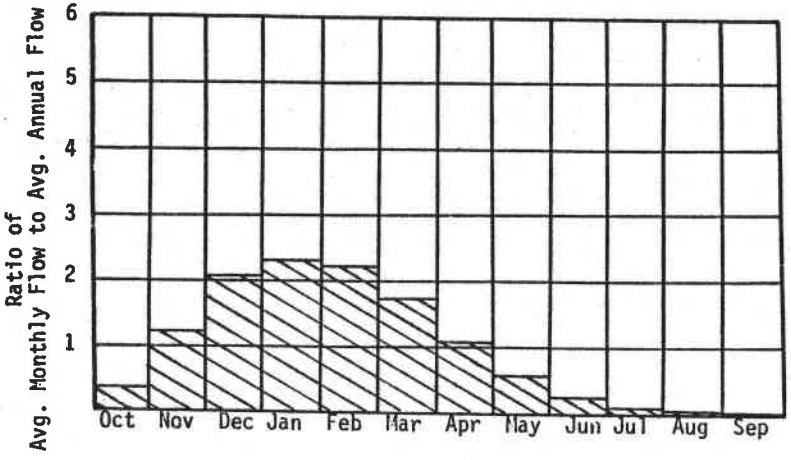
A.	Upstream Elevation of Reach	20	Ft. MSL
B.	Downstream Elevation of Reach	16	Ft. MSL
C.	Total Available Head in Reach	4	Ft.
D.	Average Slope in Reach	0.6	Ft./Mi.
E.	Drainage Area above Reach Mouth	905.1	Sq.Mi.
F.	Inflow Classification	Natural	

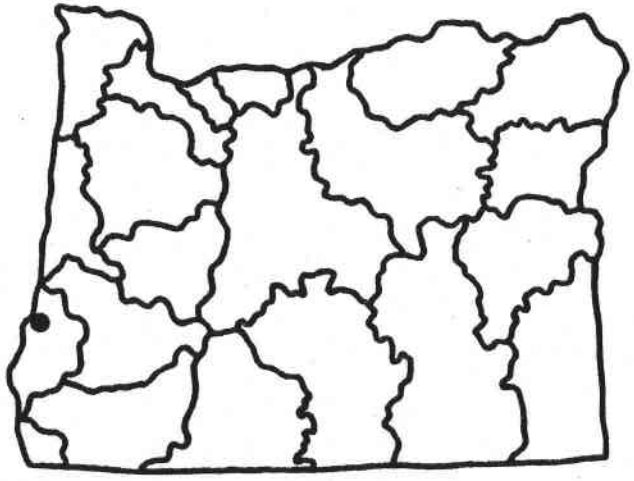
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	147.1	.05	.44	1.000
80	235.0	.08	.67	.953
50	1109.0	.38	2.35	.714
30	2913.4	.99	4.50	.520
10	8934.2	3.03	8.07	.304

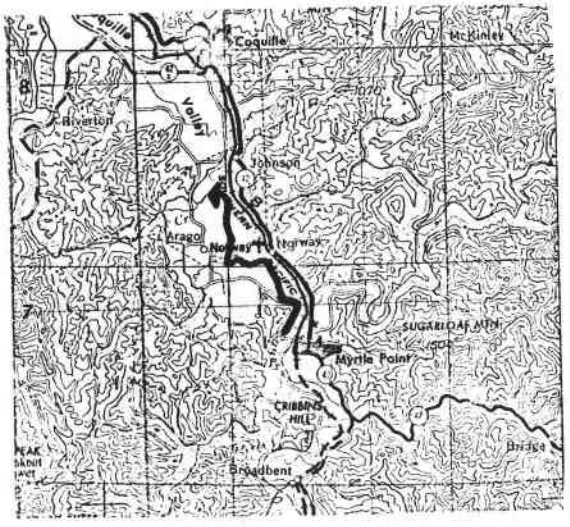
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 3128 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-004-000-000-R0001

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.10, T29S, R12W	
D. Latitude, Longitude	43°04'N, 124°06'W	
E. Stream Name	North Fork Coquille	River
F. Major Basin Name	South Coast	
G. River Mile	0.0 to 9.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

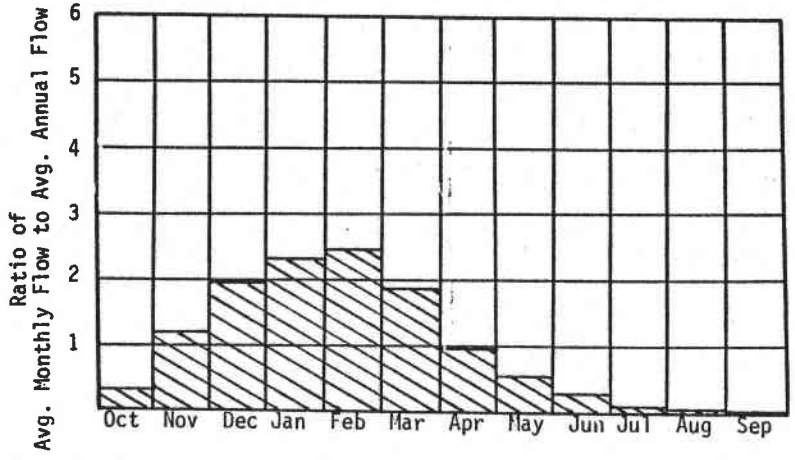
A. Upstream Elevation of Reach	40	Ft. MSL
B. Downstream Elevation of Reach	20	Ft. MSL
C. Total Available Head in Reach	20	Ft.
D. Average Slope in Reach	2.2	Ft./Mi.
E. Drainage Area above Reach Mouth	289.0	Sq.Mi.
F. Inflow Classification	Natural	

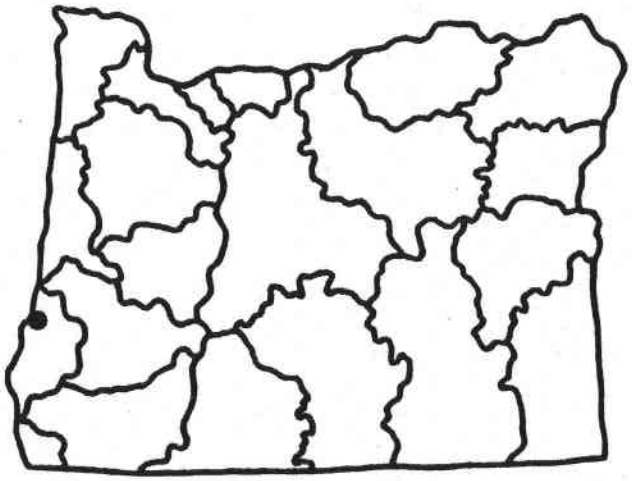
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	36.8	.06	.55	1.000
80	70.2	.12	.98	.940
50	394.2	.67	4.11	.702
30	1076.9	1.83	8.16	.510
10	3199.1	5.42	14.46	.305

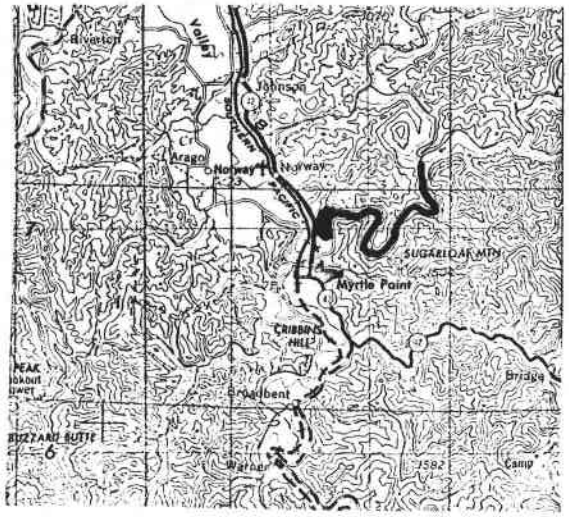
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1116 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-004-003-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.21, T26S, R11W
D.	Latitude, Longitude	43°08'N,124°00'W
E.	Stream Name	East Fork Coquille River
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 11.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

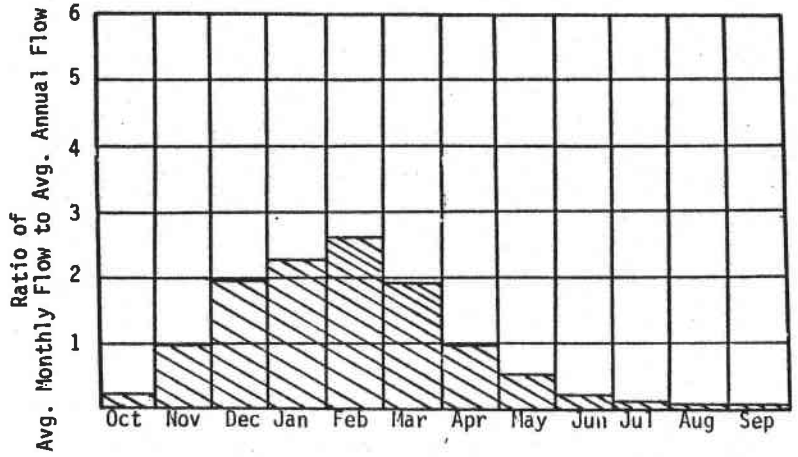
A.	Upstream Elevation of Reach	75	Ft. MSL
B.	Downstream Elevation of Reach	40	Ft. MSL
C.	Total Available Head in Reach	35	Ft.
D.	Average Slope in Reach	3.2	Ft./Mi.
E.	Drainage Area above Reach Mouth	135.0	Sq.Mi.
F.	Inflow Classification	Natural	

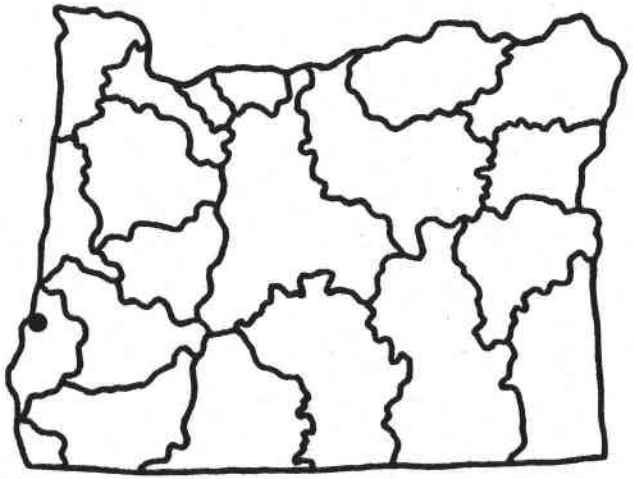
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	9.6	.03	.25	1.000
80	21.8	.06	.53	.930
50	144.9	.43	2.61	.692
30	411.2	1.22	5.37	.503
10	1184.5	3.51	9.39	.305

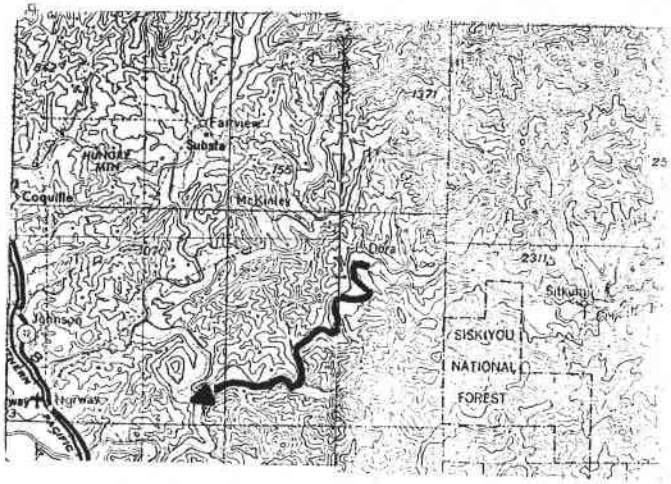
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 413 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-004-003-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.6, T28S, R10W
D.	Latitude, Longitude	43°09'N,123°56'W
E.	Stream Name	East Fork Coquille River
F.	Major Basin Name	South Coast
G.	River Mile	11.0 to 20.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

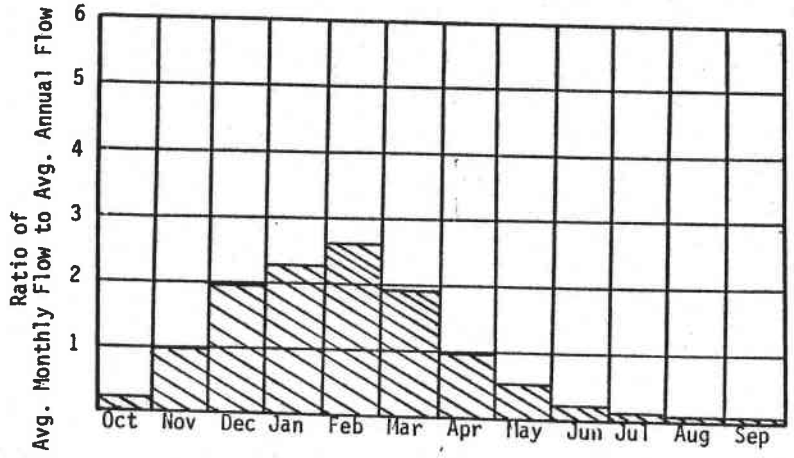
A.	Upstream Elevation of Reach	593	Ft. MSL
B.	Downstream Elevation of Reach	75	Ft. MSL
C.	Total Available Head in Reach	518	Ft.
D.	Average Slope in Reach	54	Ft./Mi.
E.	Drainage Area above Reach Mouth	101	Sq.Mi.
F.	Inflow Classification	Natural	

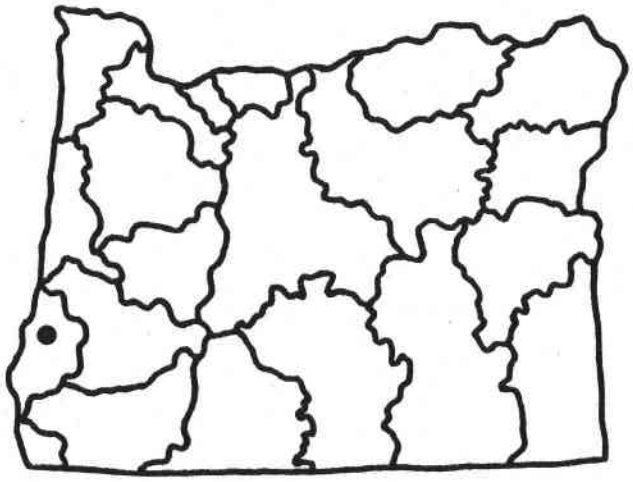
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.9	.30	2.65	1.000
80	16.3	.71	5.81	.928
50	112.8	4.95	29.94	.690
30	323.2	14.19	62.31	.501
10	923.9	40.56	108.50	.305

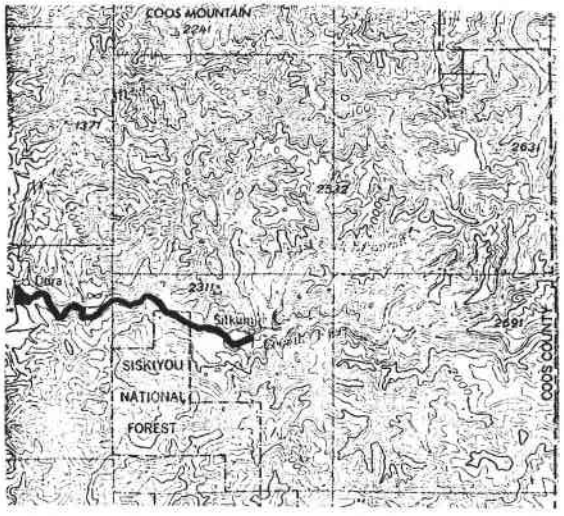
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 322 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-004-003-000-R0003

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.11, T28S, R10W	
D. Latitude, Longitude	43°09'N,123°50'W	
E. Stream Name	East Fork Coquille River	
F. Major Basin Name	South Coast	
G. River Mile	20.6 to 23.4	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

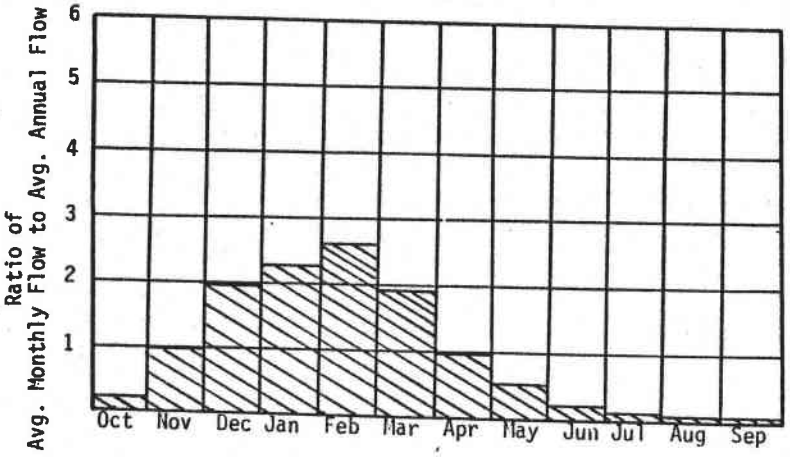
A. Upstream Elevation of Reach	626	Ft. MSL
B. Downstream Elevation of Reach	593	Ft. MSL
C. Total Available Head in Reach	33	Ft.
D. Average Slope in Reach	11.8	Ft./Mi.
E. Drainage Area above Reach Mouth	77.6	Sq.Mi.
F. Inflow Classification	Natural	

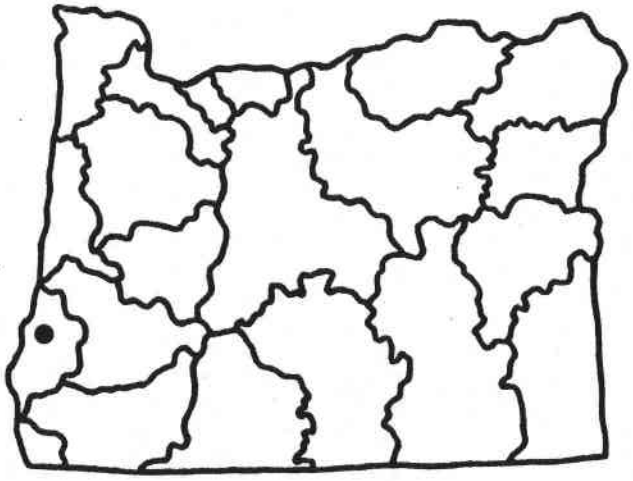
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.4	.01	.11	1.000
80	11.0	.03	.25	.925
50	80.8	.23	1.36	.688
30	234.4	.66	2.87	.499
10	663.2	1.85	4.97	.306

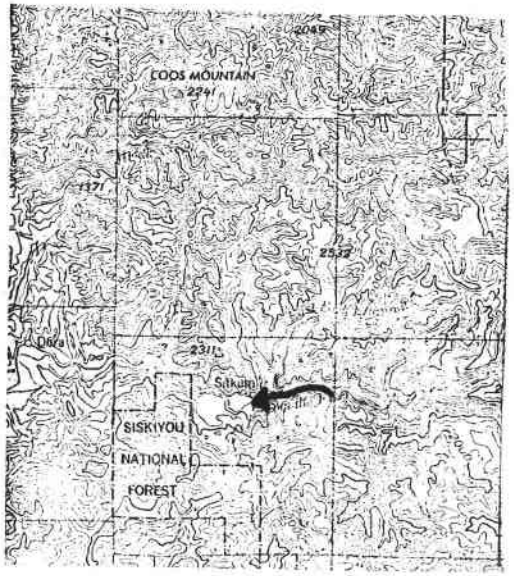
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 230 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-004-003-000-R0004

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.12, T28S, R9W
D.	Latitude, Longitude	43°08'N,123°45'W
E.	Stream Name	East Fork Coquille River
F.	Major Basin Name	South Coast
G.	River Mile	23.4 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

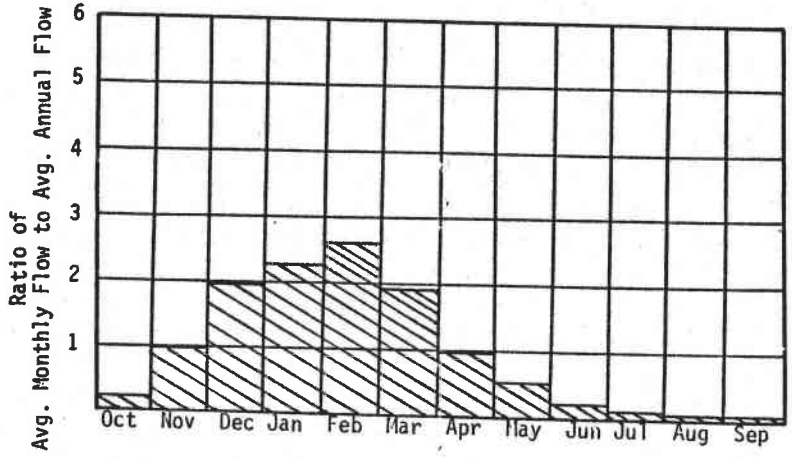
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	50.8	Sq.Mi.
F.	Inflow Classification	Natural	

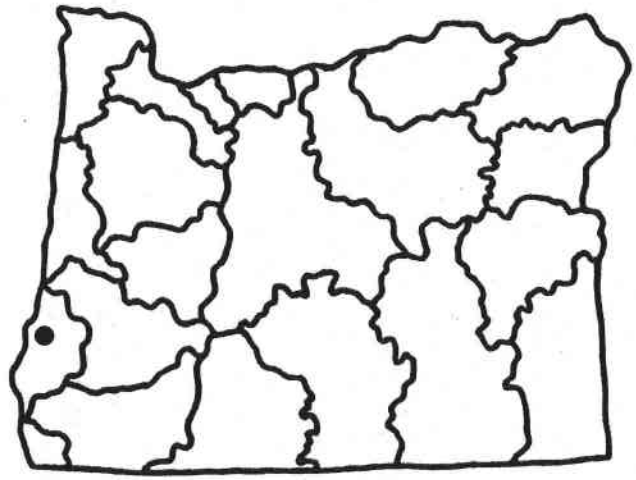
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	3.1	.02	.15	1.000
80	8.2	.05	.37	.923
50	63.0	.35	2.12	.686
30	184.4	1.03	4.50	.498
10	517.8	2.90	7.76	.306

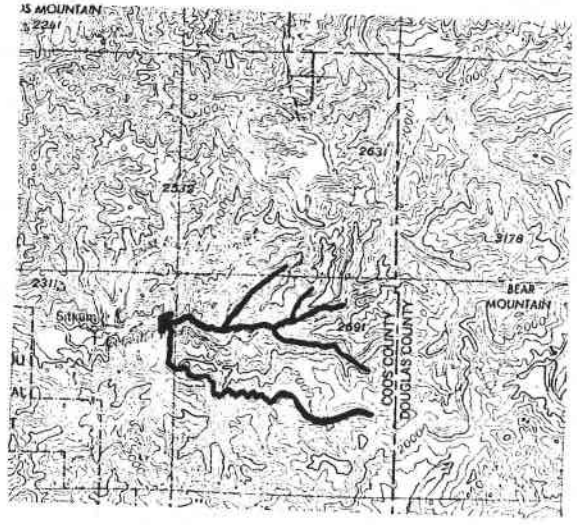
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 180 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-004-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.22, T28S, R12W
D.	Latitude, Longitude	43°08'N,123°50'W
E.	Stream Name	North Fork Coquille River
F.	Major Basin Name	South Coast
G.	River Mile	9.0 to 18.8

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

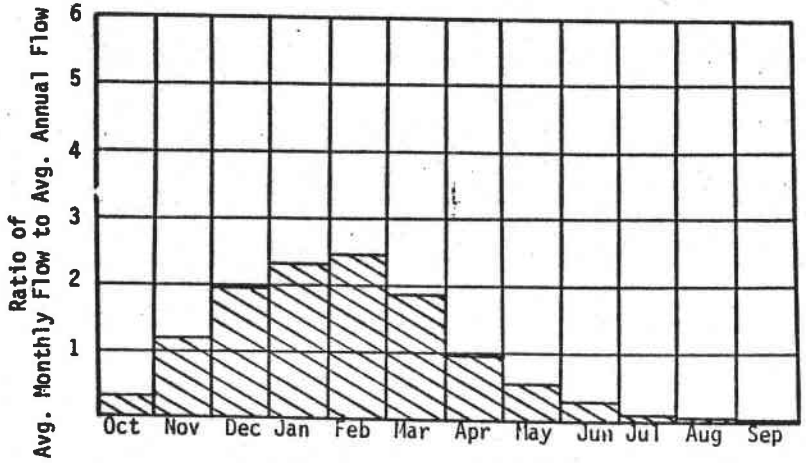
A.	Upstream Elevation of Reach	60	Ft. MSL
B.	Downstream Elevation of Reach	40	Ft. MSL
C.	Total Available Head in Reach	20	Ft.
D.	Average Slope in Reach	2.0	Ft./Mi.
E.	Drainage Area above Reach Mouth	140.0	Sq.Mi.
F.	Inflow Classification	Natural	

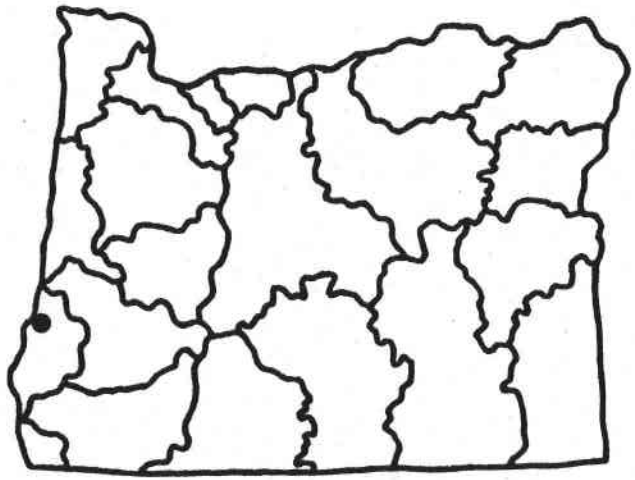
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	16.5	.03	.24	1.000
80	34.9	.06	.48	.934
50	216.6	.37	2.24	.696
30	605.4	1.03	4.55	.506
10	1765.4	2.99	7.99	.305

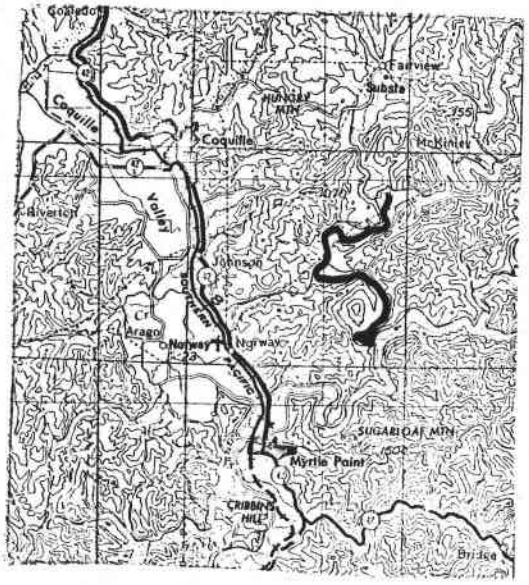
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 616 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-004-005-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.5, T28S, R11W
D.	Latitude, Longitude	43°11'N,124°02'W
E.	Stream Name	Middle Creek
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 8.4

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

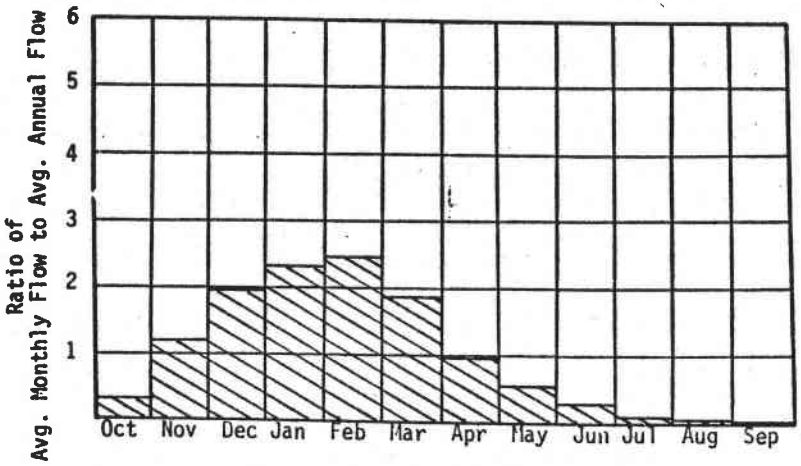
A.	Upstream Elevation of Reach	130	Ft. MSL
B.	Downstream Elevation of Reach	60	Ft. MSL
C.	Total Available Head in Reach	70	Ft.
D.	Average Slope in Reach	8.3	Ft./Mi.
E.	Drainage Area above Reach Mouth	57.1	Sq.Mi.
F.	Inflow Classification	Natural	

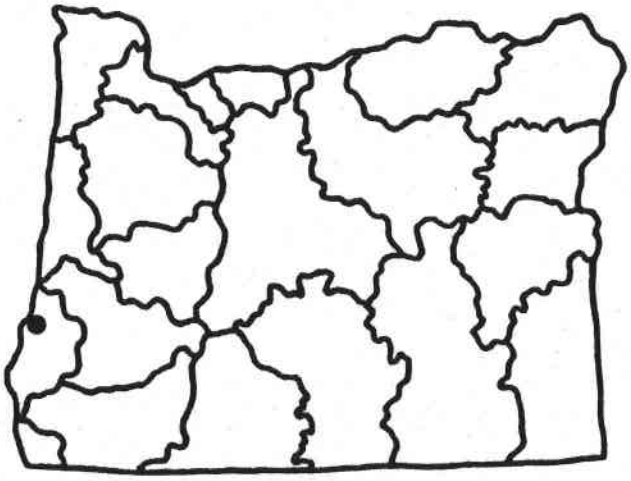
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.4	.01	.12	1.000
80	6.4	.04	.31	.921
50	50.9	.30	1.81	.684
30	150.2	.89	3.87	.496
10	419.0	2.49	6.67	.306

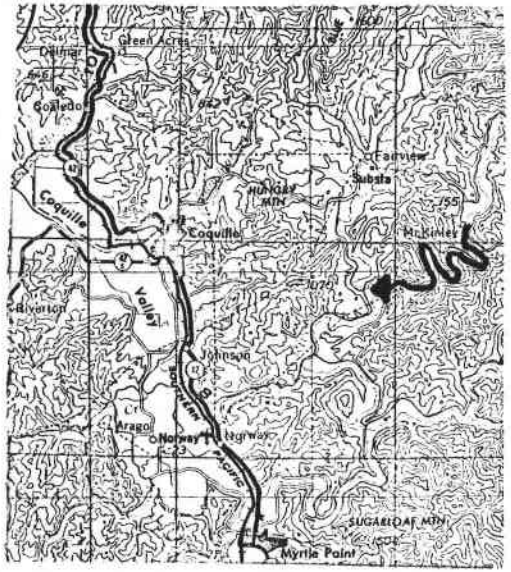
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 145 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-004-005-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.33, T27S, R11W
D.	Latitude, Longitude	43°15'N,123°57'W
E.	Stream Name	Middle Creek
F.	Major Basin Name	South Coast
G.	River Mile	8.4 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

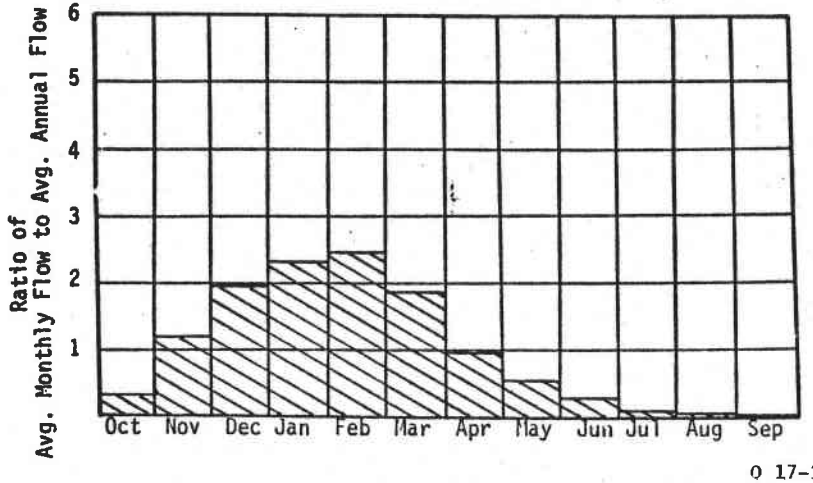
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	30.4	Sq.Mi.
F.	Inflow Classification	Natural	

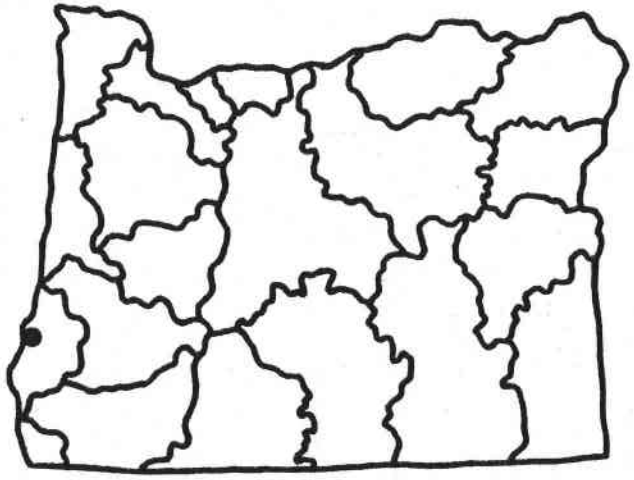
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.7	.01	.08	1.000
80	4.7	.03	.21	.919
50	39.0	.22	1.30	.682
30	116.2	.65	2.82	.495
10	321.6	1.80	4.83	.307

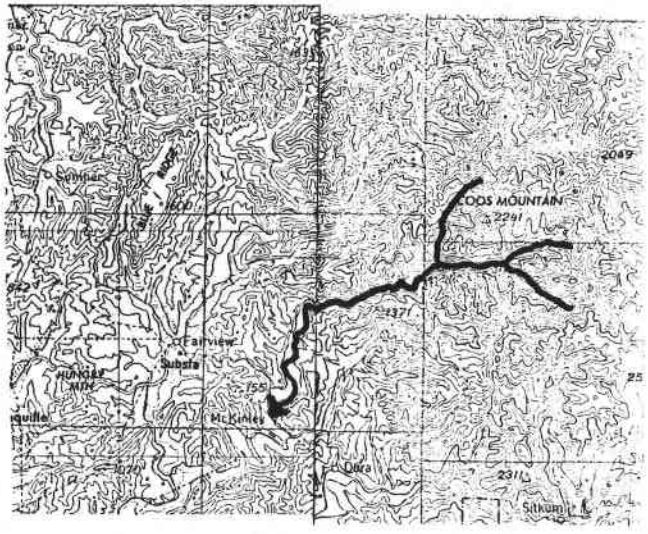
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 112 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-004-000-000-R0004

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.26, T27S. R12W	
D. Latitude, Longitude	43°13'N,124°05'W	
E. Stream Name	North Fork Coquille	River
F. Major Basin Name	South Coast	
G. River Mile	18.8 to 29.5	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

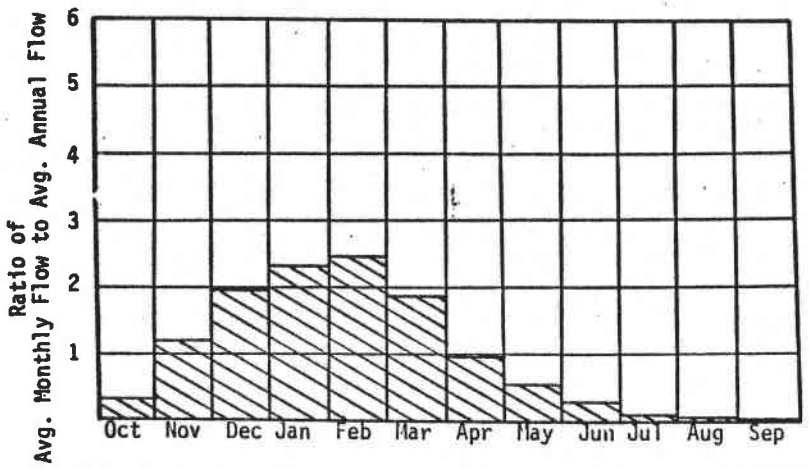
A. Upstream Elevation of Reach	137	Ft. MSL
B. Downstream Elevation of Reach	60	Ft. MSL
C. Total Available Head in Reach	77	Ft.
D. Average Slope in Reach	7.2	Ft./Mi.
E. Drainage Area above Reach Mouth	75.7	Sq.Mi.
F. Inflow Classification	Natural	

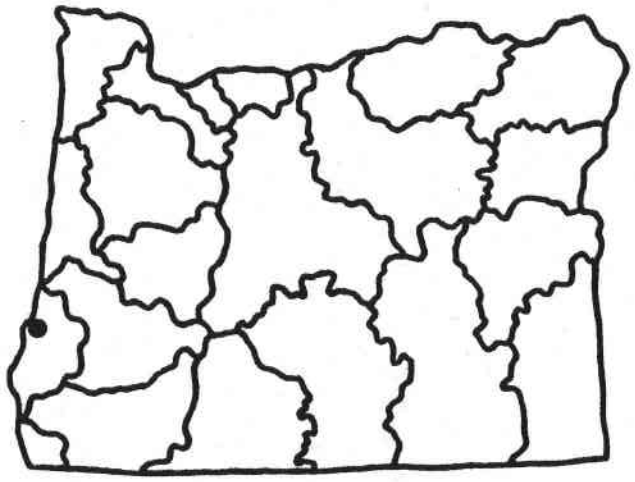
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.4	.06	.48	1.000
80	19.5	.13	1.03	.929
50	131.4	.86	5.19	.691
30	374.3	2.44	10.75	.502
10	1074.9	7.01	18.76	.305

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 375 CFS





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

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-004-000-000-R0005

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.4, T26S, R11W	
D. Latitude, Longitude	43°16'N,124°00'W	
E. Stream Name	North Fork Coquille	River
F. Major Basin Name	South Coast	
G. River Mile	29.5 to 37.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

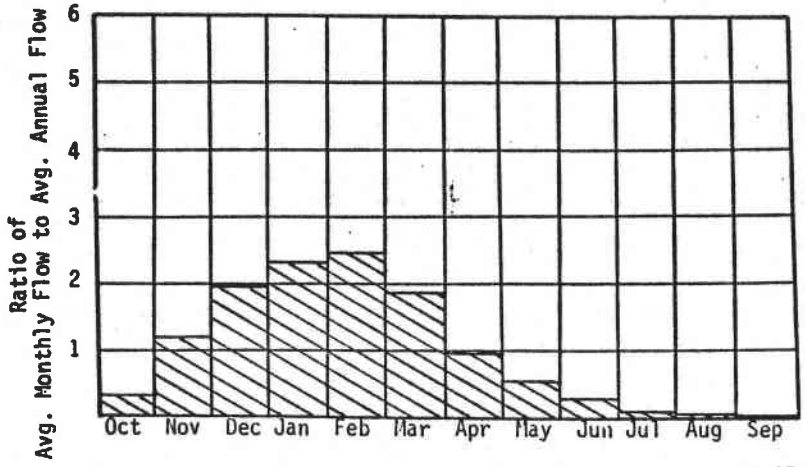
A. Upstream Elevation of Reach	252	Ft. MSL
B. Downstream Elevation of Reach	137	Ft. MSL
C. Total Available Head in Reach	115	Ft.
D. Average Slope in Reach	15.3	Ft./Mi.
E. Drainage Area above Reach Mouth	48.5	Sq.Mi.
F. Inflow Classification	Natural	

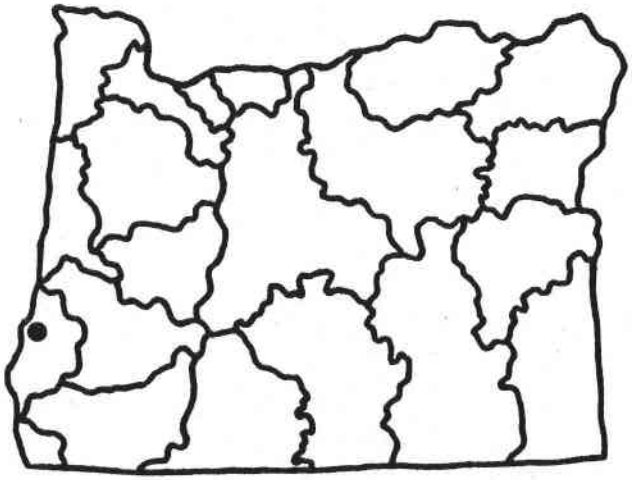
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.1	.04	.35	1.000
80	10.4	.10	.82	.924
50	76.6	.75	4.49	.687
30	222.7	2.17	9.48	.499
10	629.0	6.13	16.42	.306

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 219 CFS





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

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-004-000-000-R0006

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.20, T26S, R11W
D.	Latitude, Longitude	43°19'N,123°57'W
E.	Stream Name	North Fork Coquille River
F.	Major Basin Name	South Coast
G.	River Mile	37.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

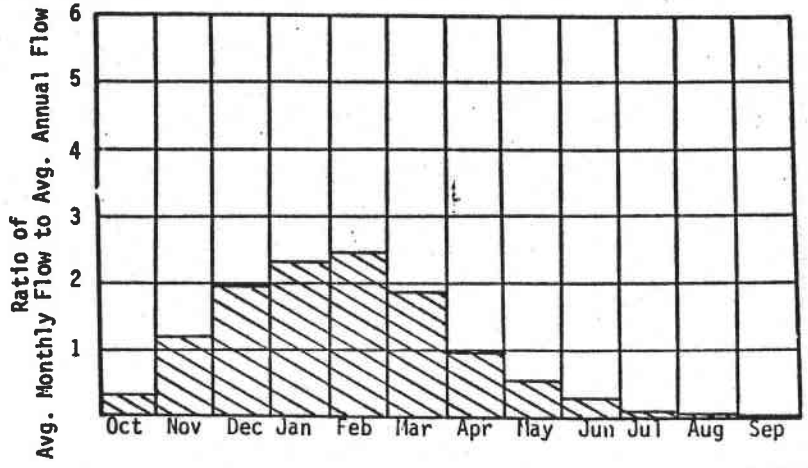
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	26.7	Sq.Mi.
F.	Inflow Classification	Natural	

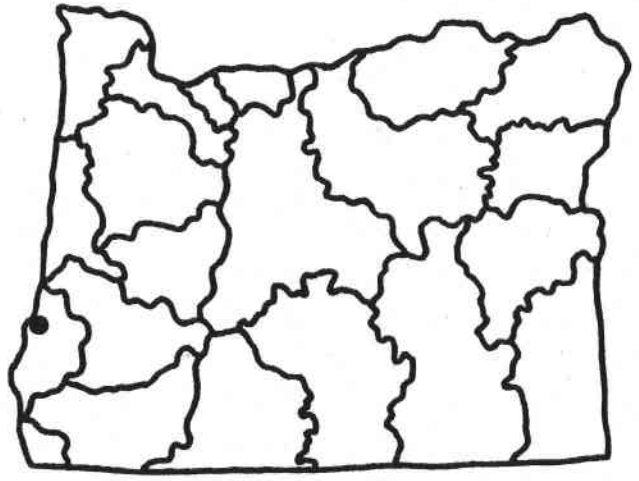
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.5	.01	.08	1.000
80	4.4	.02	.20	.919
50	36.9	.21	1.23	.682
30	110.4	.62	2.67	.494
10	304.9	1.71	4.58	.307

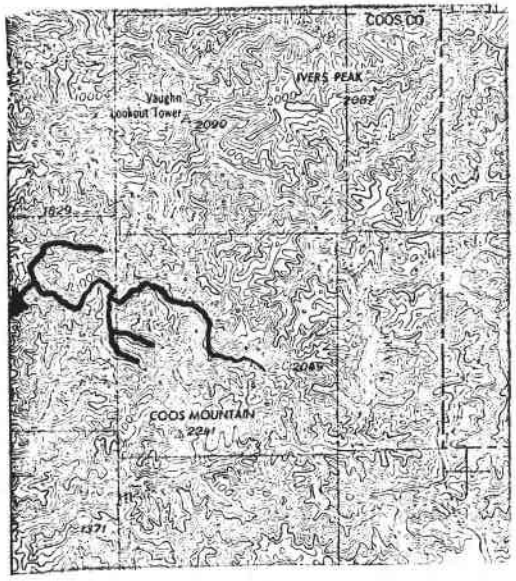
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 106 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: COS BAY-ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-008-000-000-R0001

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.20, T29S, R12W	
D. Latitude, Longitude	43°03'N,124°09'W	
E. Stream Name	South Fork Coquille	River
F. Major Basin Name	South Coast	
G. River Mile	0.0 to 4.8	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

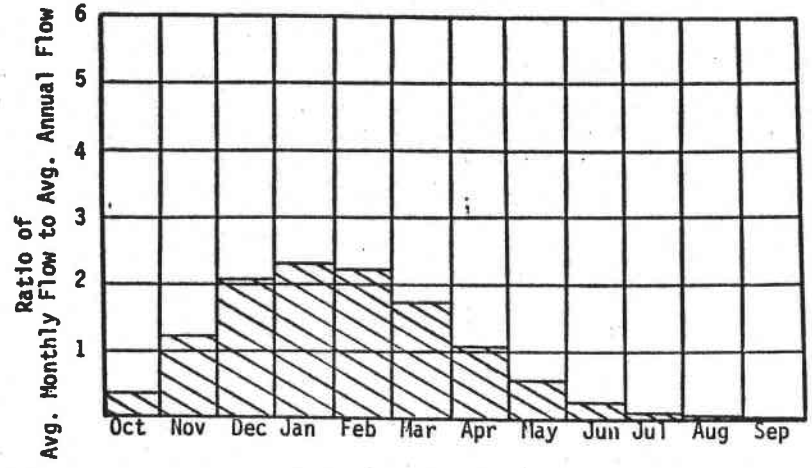
A. Upstream Elevation of Reach	39	Ft. MSL
B. Downstream Elevation of Reach	32	Ft. MSL
C. Total Available Head in Reach	7	Ft.
D. Average Slope in Reach	1.5	Ft./Mi.
E. Drainage Area above Reach Mouth	591	Sq.Mi.
F. Inflow Classification	Natural	

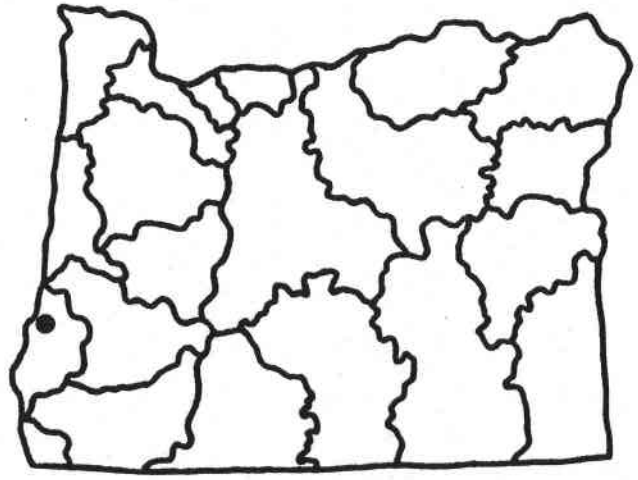
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	75.9	.05	.39	1.000
80	132.0	.08	.65	.947
50	676.6	.40	2.49	.708
30	1811.0	1.07	4.85	.515
10	5469.8	3.24	8.65	.304

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1913 CFS





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

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-008-003-000-R0001

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.24, T29S, R12W	
D. Latitude, Longitude	43°02'N,124°04'W	
E. Stream Name	Middle Fork Coquille	River
F. Major Basin Name	South Coast	
G. River Mile	0.0 to 8.8	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

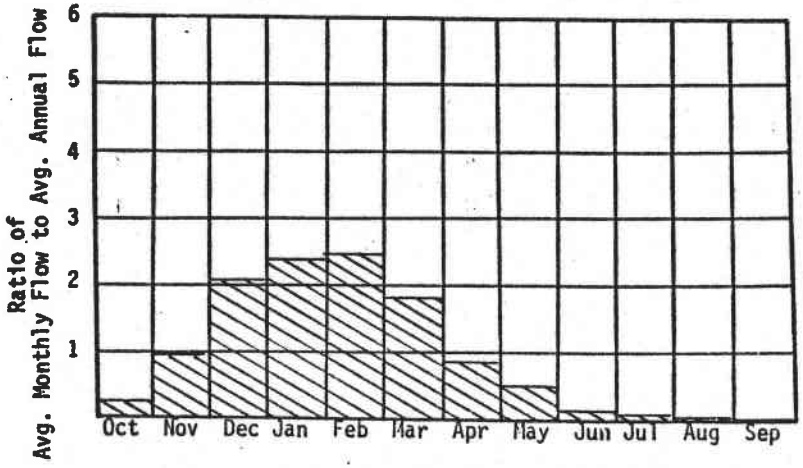
A. Upstream Elevation of Reach	100	Ft. MSL
B. Downstream Elevation of Reach	39	Ft. MSL
C. Total Available Head in Reach	61	Ft.
D. Average Slope in Reach	6.9	Ft./Mi.
E. Drainage Area above Reach Mouth	307	Sq.Mi.
F. Inflow Classification	Natural	

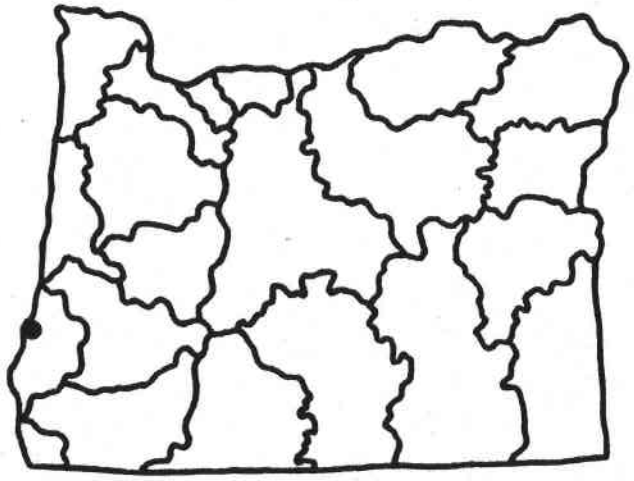
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	25.0	.13	1.13	1.000
80	50.1	.26	2.12	.937
50	295.1	1.53	9.34	.699
30	815.0	4.21	18.76	.508
10	2399.6	12.40	33.11	.305

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 837 CFS





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

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-008-003-002-R0001

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.4, T30S, R11W
D.	Latitude, Longitude	43°00'N,124°00'W
E.	Stream Name	Myrtle Creek
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 4.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

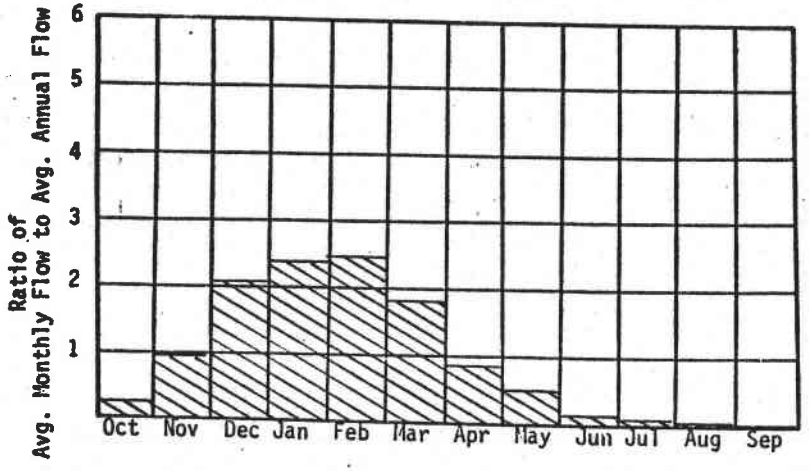
A.	Upstream Elevation of Reach	210	Ft. MSL
B.	Downstream Elevation of Reach	100	Ft. MSL
C.	Total Available Head in Reach	110	Ft.
D.	Average Slope in Reach	27.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	71.2	Sq.Mi.
F.	Inflow Classification	Natural	

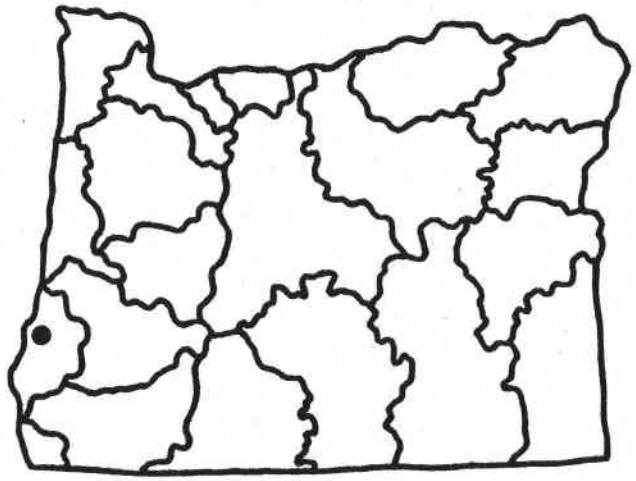
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.2	.04	.34	1.000
80	10.6	.10	.80	.925
50	77.9	.73	4.37	.687
30	226.2	2.11	9.22	.499
10	639.3	5.96	15.96	.306

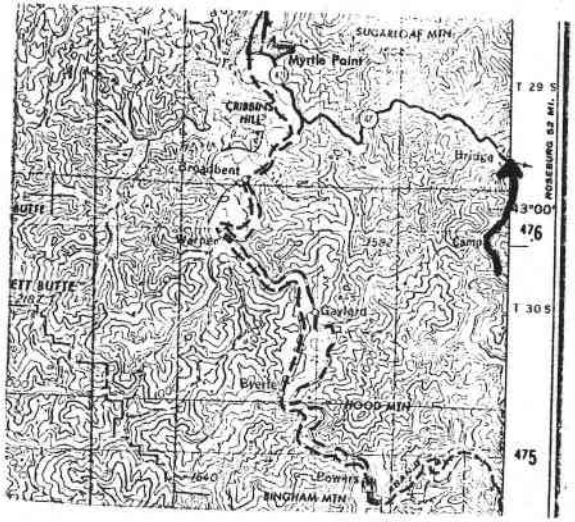
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 222 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-008-003-002-R0002

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.16, T30S, R10W
D.	Latitude, Longitude	42°55'N,123°55'W
E.	Stream Name	Rock Creek
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

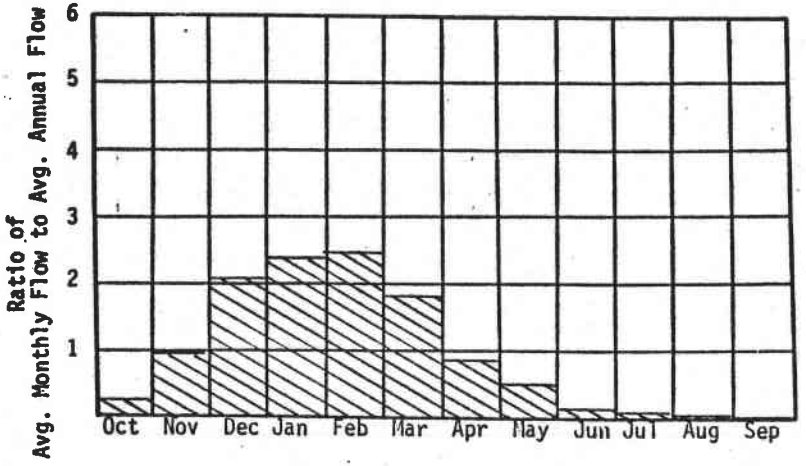
A.	Upstream Elevation of Reach	---	Ft. MSL
B.	Downstream Elevation of Reach	---	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	---	Ft./Mi.
E.	Drainage Area above Reach Mouth	36.8	Sq.Mi.
F.	Inflow Classification	Natural	

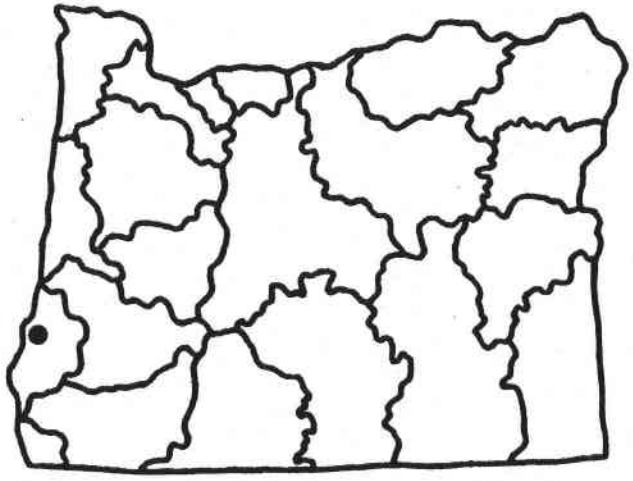
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.0	.01	.10	1.000
80	5.5	.03	.25	.920
50	44.7	.25	1.50	.683
30	132.8	.74	3.22	.495
10	368.9	2.06	5.54	.306

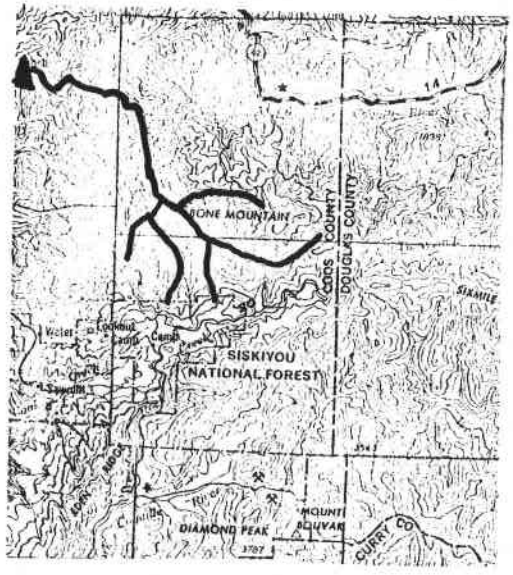
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 128 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-008-003-002-R0003

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.16, T30S, R11W
D.	Latitude, Longitude	42°56'N,124°00'W
E.	Stream Name	Myrtle Creek
F.	Major Basin Name	South Coast
G.	River Mile	4.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

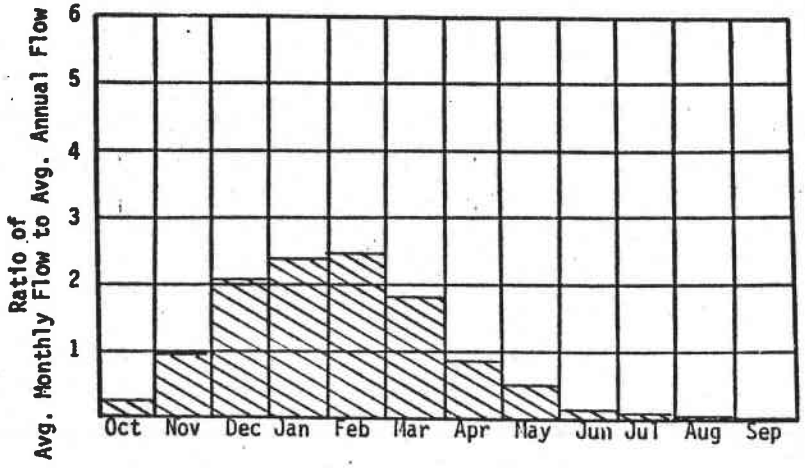
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	27.5	Sq.Mi.
F.	Inflow Classification	Natural	

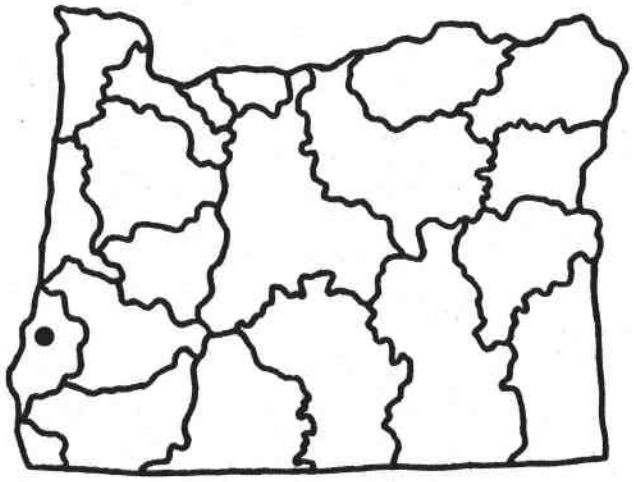
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.1	.01	.06	1.000
80	3.4	.02	.15	.917
50	29.4	.16	.98	.681
30	88.7	.50	2.14	.493
10	243.2	1.36	3.66	.307

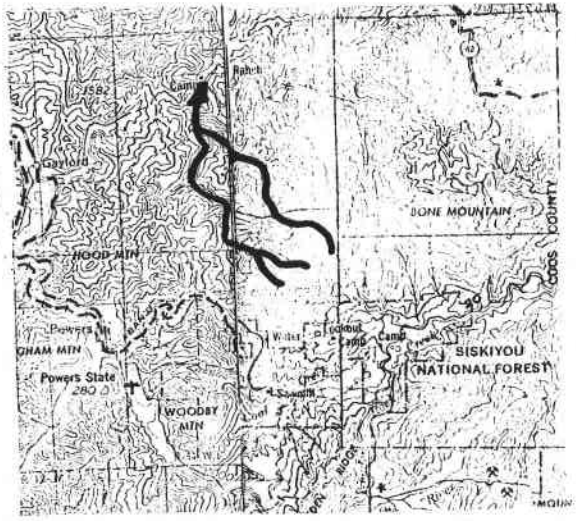
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 84 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-003-003-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.29, T29S, R11W
D.	Latitude, Longitude	43°01'N,123°55'W
E.	Stream Name	Middle Fork Coquille River
F.	Major Basin Name	South Coast
G.	River Mile	8.8 to 18.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

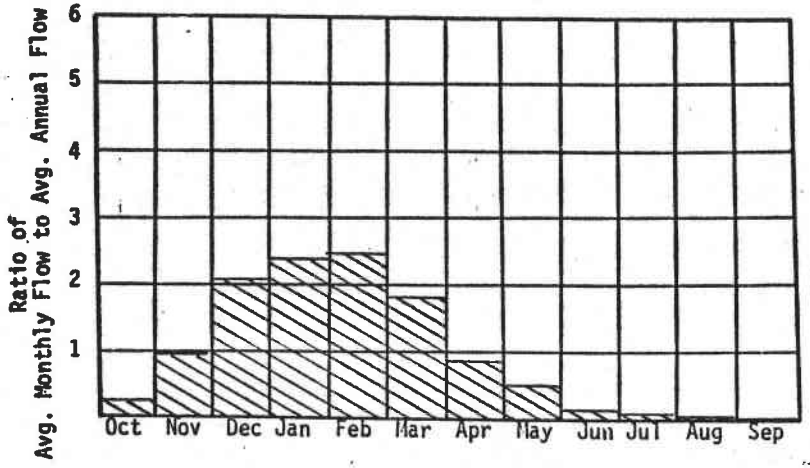
A.	Upstream Elevation of Reach	252	Ft. MSL
B.	Downstream Elevation of Reach	100	Ft. MSL
C.	Total Available Head in Reach	152	Ft.
D.	Average Slope in Reach	16.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	18.6	Sq.Mi.
F.	Inflow Classification	Natural	

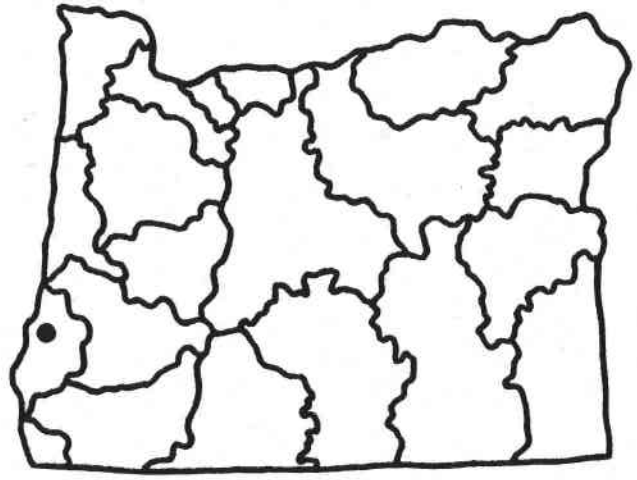
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	11.9	.15	1.35	1.000
80	26.3	.34	2.77	.932
50	170.1	2.19	13.31	.694
30	479.8	6.18	27.29	.504
10	1388.9	17.89	47.81	.305

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 484 CFS





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

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-008-003-000-R0003

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.13, T30S, R10W	
D. Latitude, Longitude	42°58'N,123°50'W	
E. Stream Name	Middle Fork Coquille	River
F. Major Basin Name	South Coast	
G. River Mile	18.0 to 26.8	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

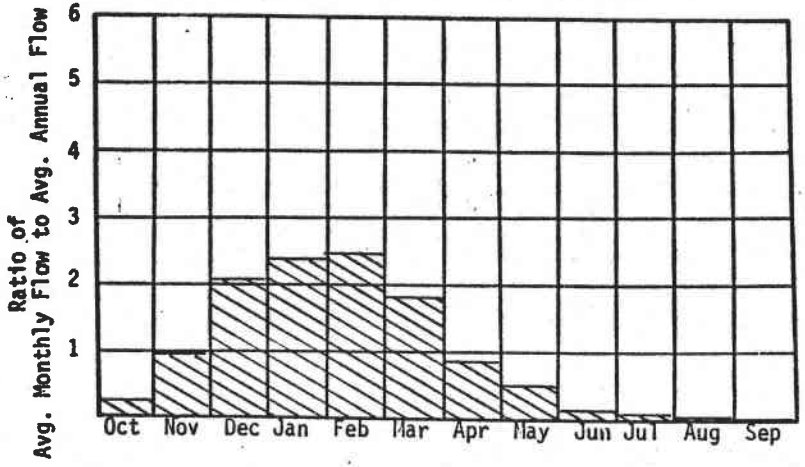
A. Upstream Elevation of Reach	748	Ft. MSL
B. Downstream Elevation of Reach	252	Ft. MSL
C. Total Available Head in Reach	496.3	Ft.
D. Average Slope in Reach	56.4	Ft./Mi.
E. Drainage Area above Reach Mouth	147	Sq.Mi.
F. Inflow Classification	Natural	

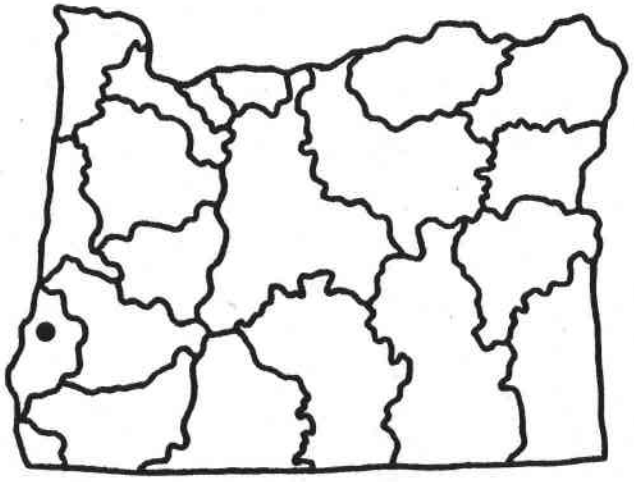
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	7.1	.30	2.63	1.000
80	16.8	.71	5.75	.928
50	116.0	4.88	29.49	.690
30	332.0	13.96	61.30	.501
10	949.8	39.93	106.80	.305

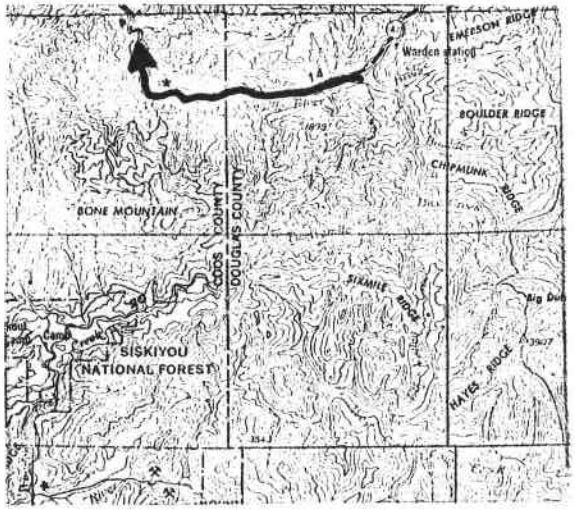
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 330 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-008-003-001-R0001

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.10, T30S, R9W
D.	Latitude, Longitude	42°51'N,123°43'W
E.	Stream Name	Twelvemile Creek
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

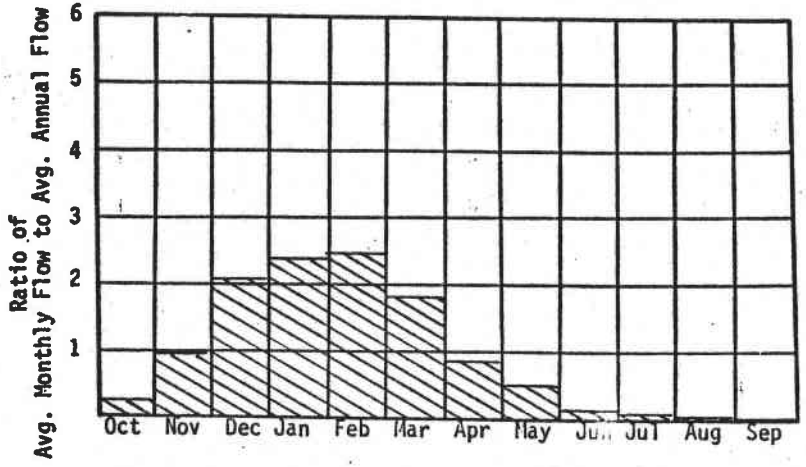
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	38.2	Sq.Mi.
F.	Inflow Classification	Natural	

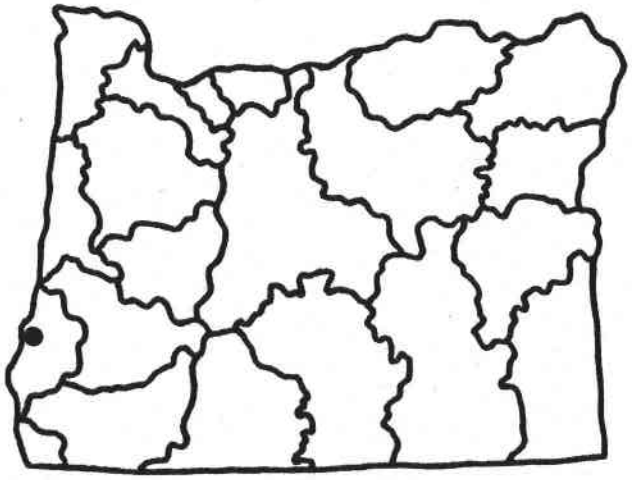
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.5	.01	.07	1.000
80	4.2	.02	.19	.918
50	35.5	.20	1.19	.682
30	106.4	.60	2.58	.494
10	293.5	1.64	4.41	.307

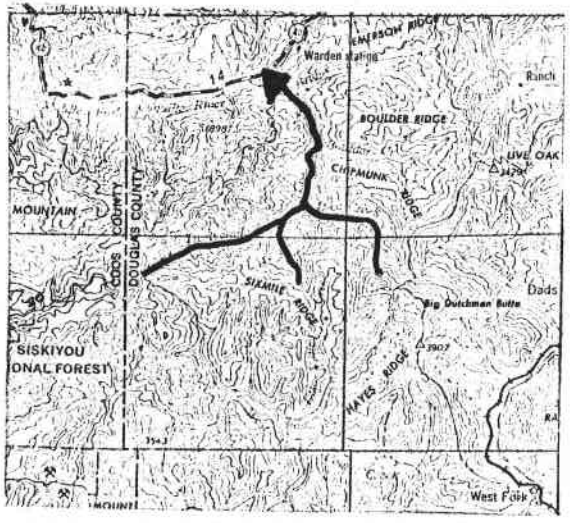
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 102 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-008-003-000-R0004

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.2, T30S, R9W	
D. Latitude, Longitude	42°59'N,123°44'W	
E. Stream Name	Middle Fork Coquille	River
F. Major Basin Name	South Coast	
G. River Mile	26.8 to 29.8	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

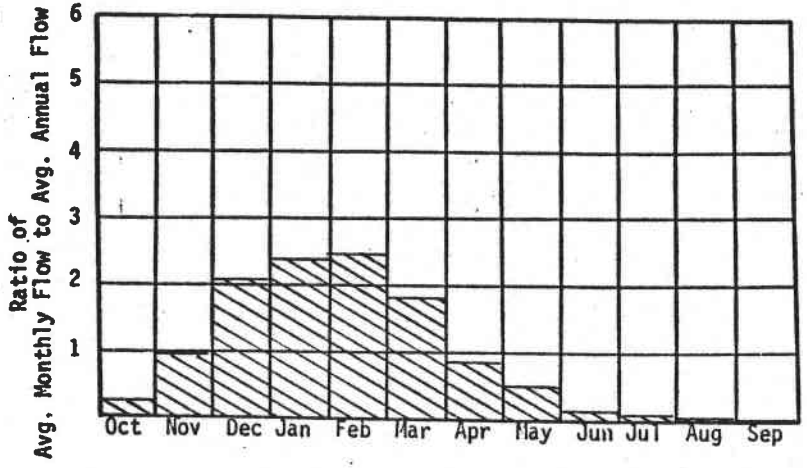
A. Upstream Elevation of Reach	1026	Ft. MSL
B. Downstream Elevation of Reach	748	Ft. MSL
C. Total Available Head in Reach	278	Ft.
D. Average Slope in Reach	92.7	Ft./Mi.
E. Drainage Area above Reach Mouth	48	Sq.Mi.
F. Inflow Classification	Natural	

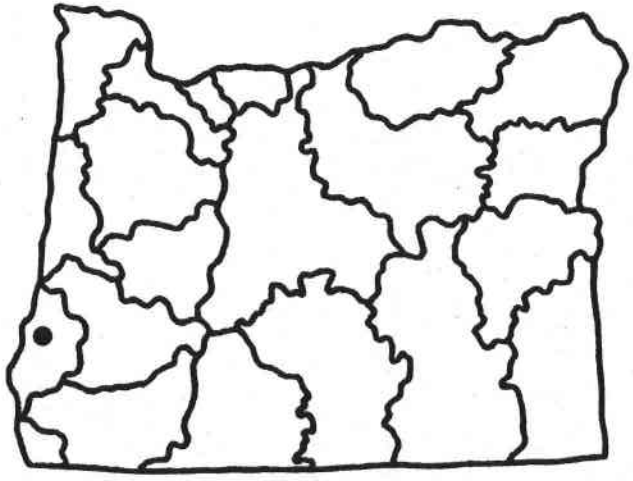
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.8	.04	.37	1.000
80	5.1	.12	.97	.920
50	41.7	.98	5.88	.683
30	124.1	2.92	12.68	.495
10	344.1	8.11	21.76	.306

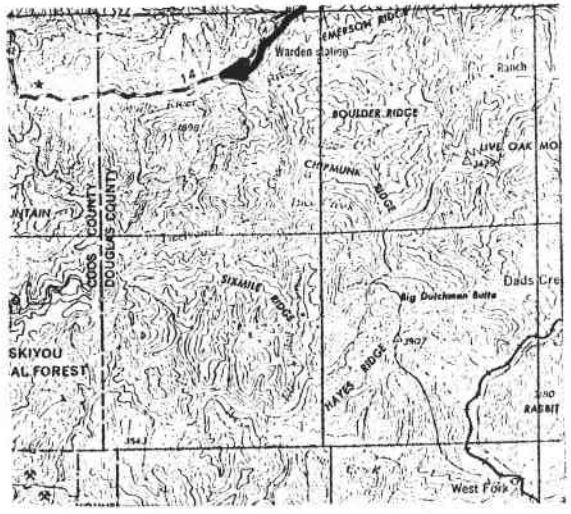
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 120 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-008-003-000-R0005

I. LOCATION

A. State	Oregon	
B. County	Douglas	
C. Township, Range	Sec.36, T29S, R8W	
D. Latitude, Longitude	43°02'N,123°41'W	
E. Stream Name	Middle Fork Coquille	River
F. Major Basin Name	South Coast	
G. River Mile	29.8 to H.W.	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

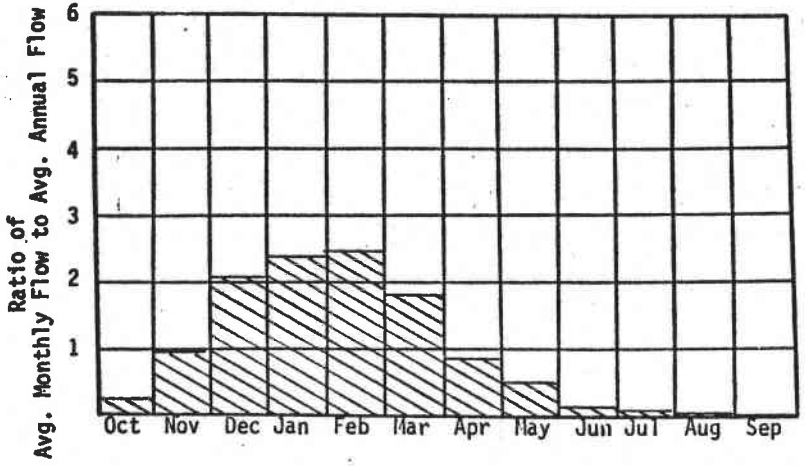
A. Upstream Elevation of Reach	--	Ft. MSL
B. Downstream Elevation of Reach	--	Ft. MSL
C. Total Available Head in Reach	66	Ft.
D. Average Slope in Reach	--	Ft./Mi.
E. Drainage Area above Reach Mouth	44.6	Sq.Mi.
F. Inflow Classification	Natural	

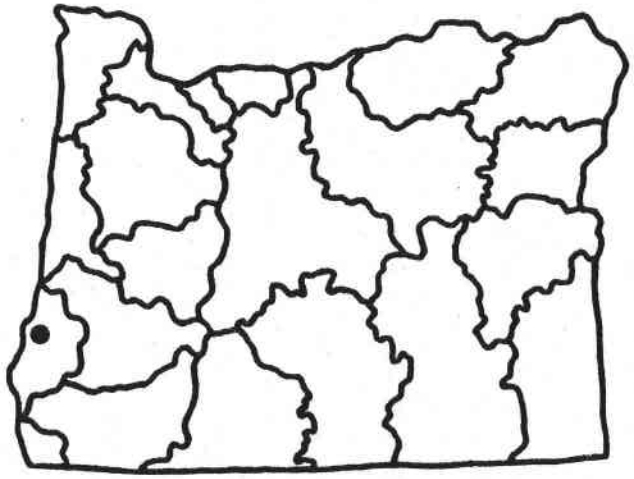
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.7	.01	.08	1.000
80	4.9	.03	.22	.919
50	40.2	.22	1.34	.683
30	119.6	.67	2.90	.495
10	331.3	1.85	4.97	.306

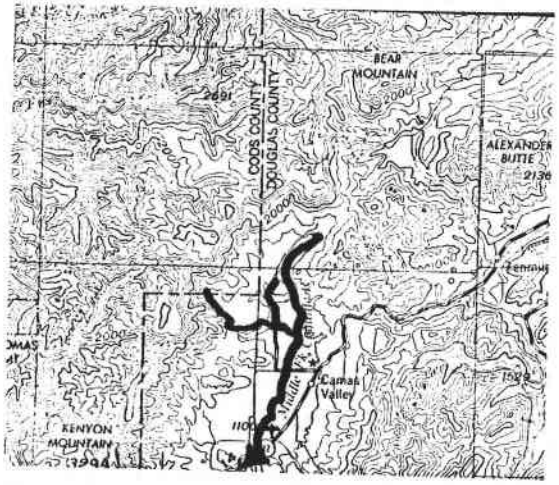
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 115 CFS





U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: MEDFORD-ROSEBURG



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-008-000-000-R0002

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.32, T29S, R12W	
D. Latitude, Longitude	43°00'N,124°09'W	
E. Stream Name	South Fork Coquille	River
F. Major Basin Name	South Fork	
G. River Mile	4.8 to 15.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

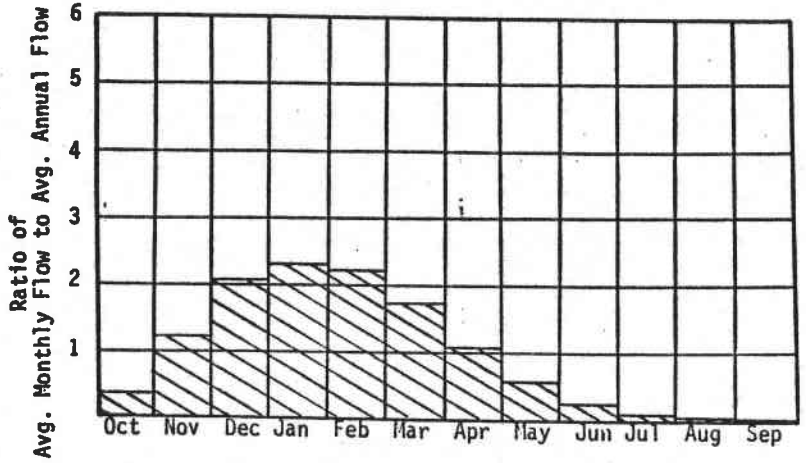
A. Upstream Elevation of Reach	74	Ft. MSL
B. Downstream Elevation of Reach	39	Ft. MSL
C. Total Available Head in Reach	35	Ft.
D. Average Slope in Reach	3.4	Ft./Mi.
E. Drainage Area above Reach Mouth	245	Sq.Mi.
F. Inflow Classification	Natural	

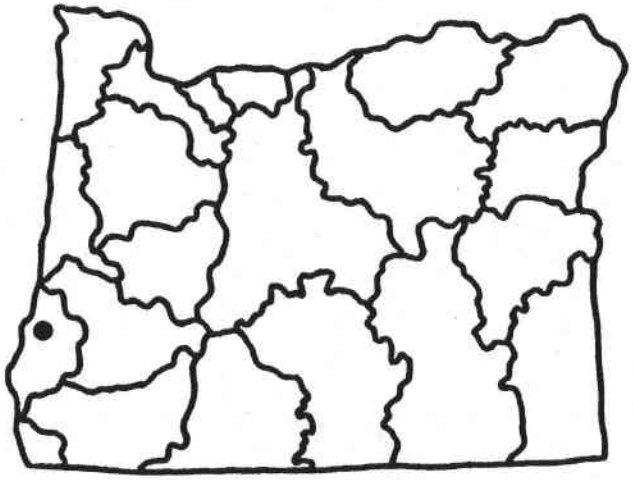
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	28.1	.08	.73	1.000
80	55.4	.16	1.35	.938
50	322.0	.96	5.85	.700
30	886.6	2.63	11.72	.509
10	2617.3	7.76	20.72	.305

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 913 CFS





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

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-008-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Coos
C.	Township, Range	Sec.26, T30S, R12W
D.	Latitude, Longitude	42°57'N,124°06'W
E.	Stream Name	South Fork Coquille River
F.	Major Basin Name	South Coast
G.	River Mile	15.0 to 25.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

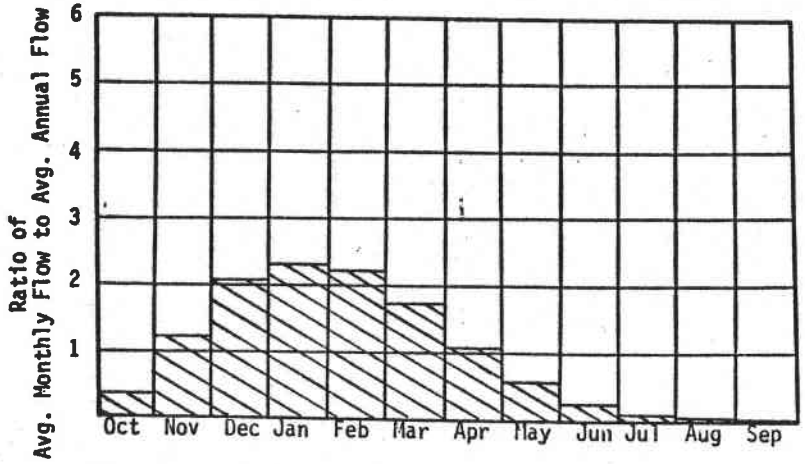
A.	Upstream Elevation of Reach	144	Ft. MSL
B.	Downstream Elevation of Reach	74	Ft. MSL
C.	Total Available Head in Reach	70	Ft.
D.	Average Slope in Reach	7.0	Ft./Mi.
E.	Drainage Area above Reach Mouth	215	Sq.Mi.
F.	Inflow Classification	Natural	

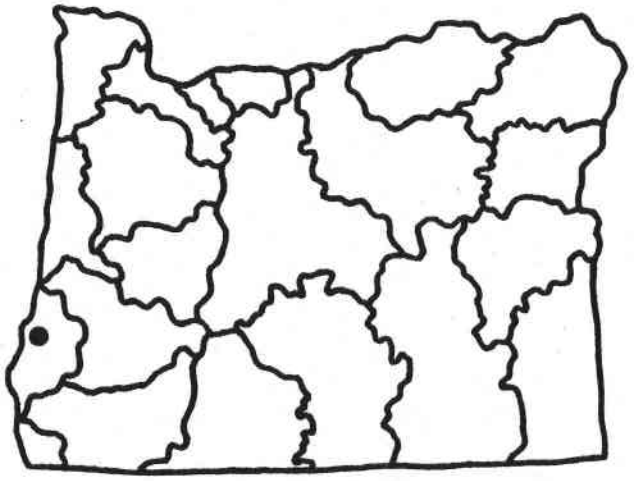
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	24.4	.14	1.27	1.000
80	49.0	.29	2.39	.937
50	289.9	1.72	10.52	.699
30	801.4	4.75	21.16	.508
10	2358.0	13.99	37.33	.305

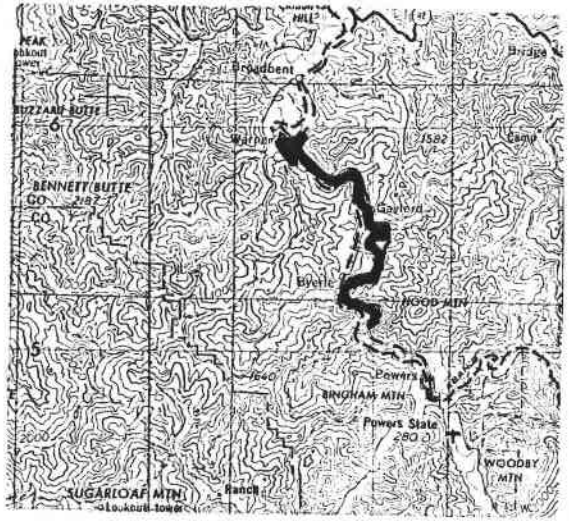
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 822 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-008-000-000-R0004

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.13, T31S, R12W	
D. Latitude, Longitude	42°53'N,124°04'W	
E. Stream Name	South Fork Coquille	River
F. Major Basin Name	South Coast	
G. River Mile	25.0 to 35.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

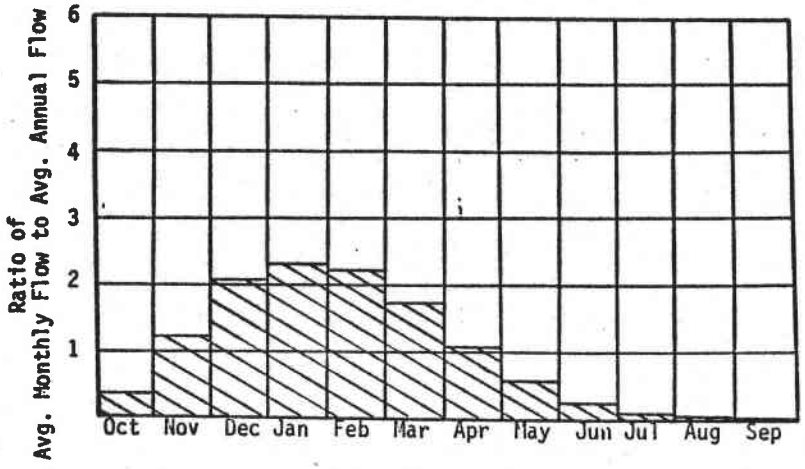
A. Upstream Elevation of Reach	330	Ft. MSL
B. Downstream Elevation of Reach	145	Ft. MSL
C. Total Available Head in Reach	185	Ft.
D. Average Slope in Reach	18.5	Ft./Mi.
E. Drainage Area above Reach Mouth	184	Sq.Mi.
F. Inflow Classification	Natural	

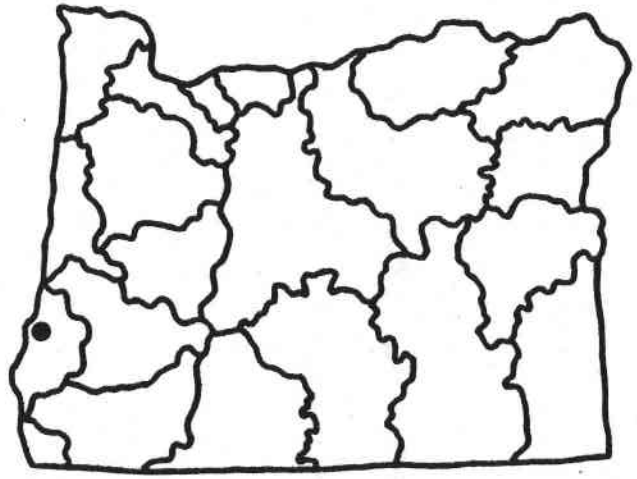
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	19.5	.31	2.68	1.000
80	40.4	.63	5.18	.935
50	245.4	3.85	23.49	.697
30	682.6	10.70	47.51	.507
10	1998.5	31.33	83.65	.305

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 697 CFS





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

REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-008-000-000-R0005

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.13, T32S, R12W	
D. Latitude, Longitude	42°47'N,124°03'W	
E. Stream Name	South Fork Coquille	River
F. Major Basin Name	South Coast	
G. River Mile	35.0 to 45.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

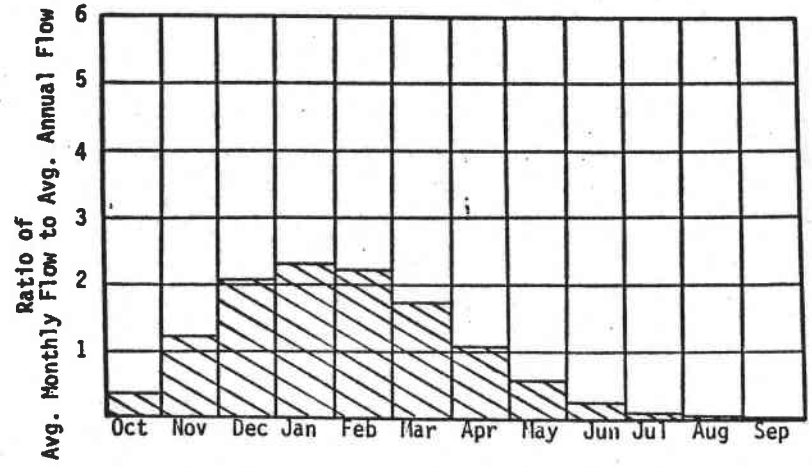
A. Upstream Elevation of Reach	830	Ft. MSL
B. Downstream Elevation of Reach	330	Ft. MSL
C. Total Available Head in Reach	500	Ft.
D. Average Slope in Reach	50	Ft./Mi.
E. Drainage Area above Reach Mouth	126	Sq.Mi.
F. Inflow Classification	Natural	

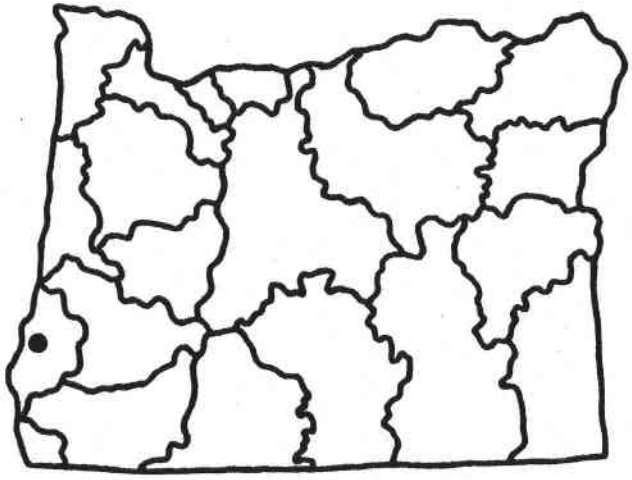
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	11.6	.49	4.29	1.000
80	25.6	1.09	8.86	.931
50	166.3	7.05	42.79	.693
30	469.4	19.89	87.80	.504
10	1357.9	57.54	153.76	.305

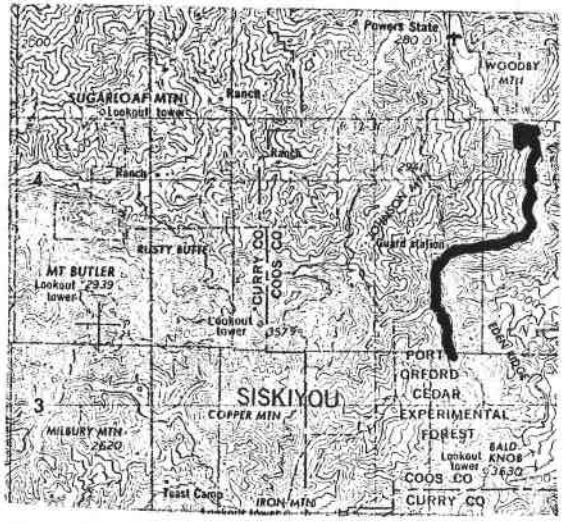
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 473 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-008-000-000-R0006

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.4, T32S, R11W	
D. Latitude, Longitude	42°44'N,124°00'W	
E. Stream Name	South Fork Coquille	River
F. Major Basin Name	South Coast	
G. River Mile	45.0 to 56.0	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

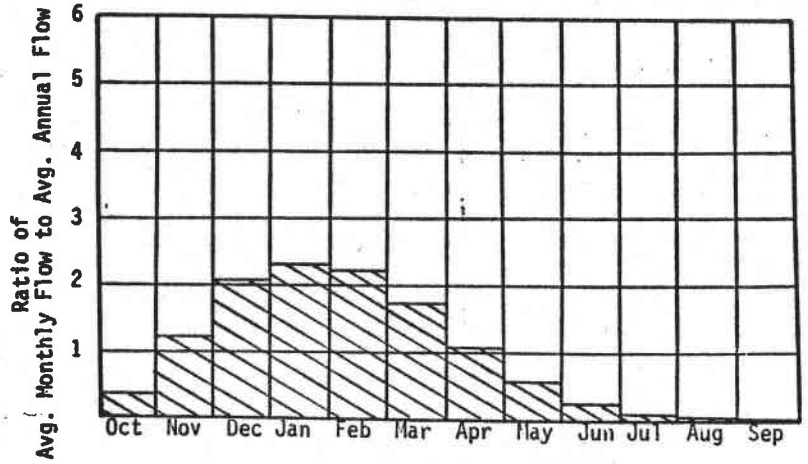
A. Upstream Elevation of Reach	2189	Ft. MSL
B. Downstream Elevation of Reach	830	Ft. MSL
C. Total Available Head in Reach	1359	Ft.
D. Average Slope in Reach	123.6	Ft./Mi.
E. Drainage Area above Reach Mouth	65.8	Sq.Mi.
F. Inflow Classification	Natural	

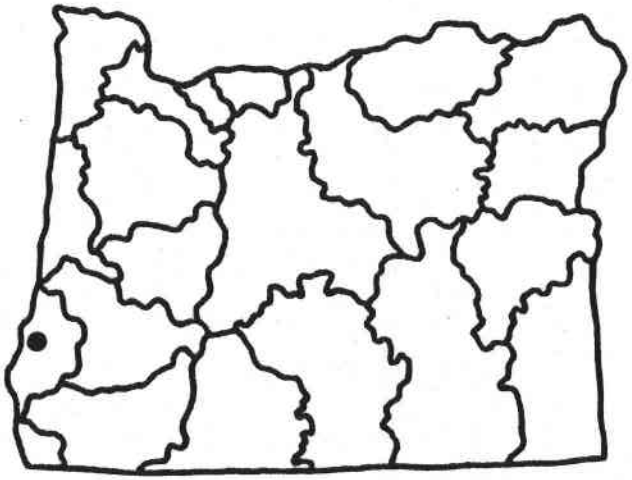
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.1	.47	4.16	1.000
80	10.4	1.20	9.71	.924
50	77.0	8.86	53.35	.687
30	223.7	25.76	112.57	.499
10	631.9	72.78	194.94	.306

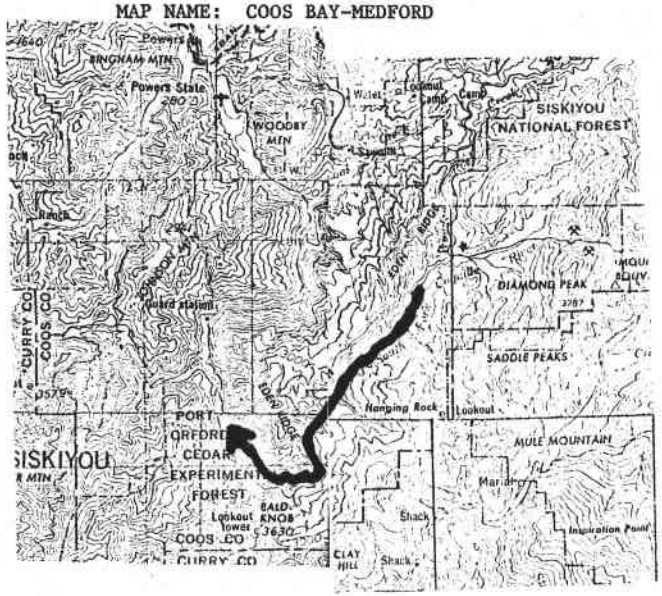
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 220 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-825-008-000-000-R0007

I. LOCATION

A. State	Oregon	
B. County	Coos	
C. Township, Range	Sec.14, T32S, R10W	
D. Latitude, Longitude	42°48'N, 123°54'W	
E. Stream Name	South Fork Coquille	River
F. Major Basin Name	South Coast	
G. River Mile	56.0 to H.W.	

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

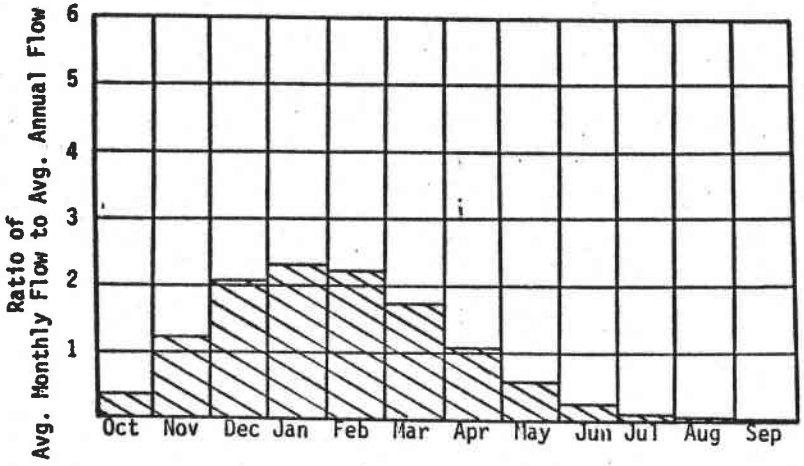
A. Upstream Elevation of Reach	--	Ft. MSL
B. Downstream Elevation of Reach	--	Ft. MSL
C. Total Available Head in Reach	66	Ft.
D. Average Slope in Reach	--	Ft./Mi.
E. Drainage Area above Reach Mouth	23.8	Sq.Mi.
F. Inflow Classification	Natural	

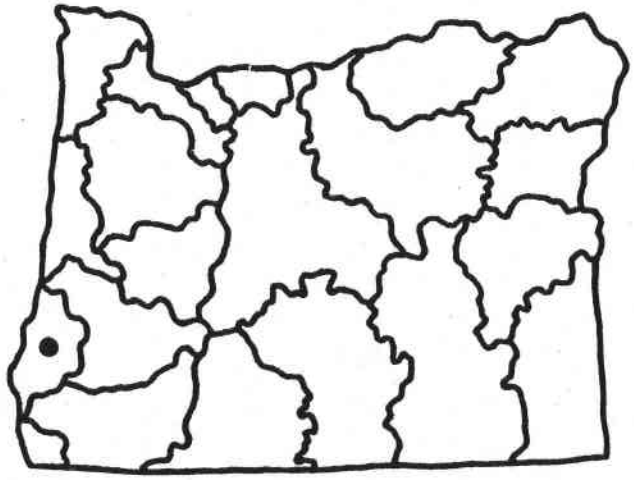
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.7	.01	.08	1.000
80	4.7	.03	.21	.919
50	38.9	.22	1.30	.682
30	116.0	.65	2.81	.495
10	320.9	1.79	4.82	.307

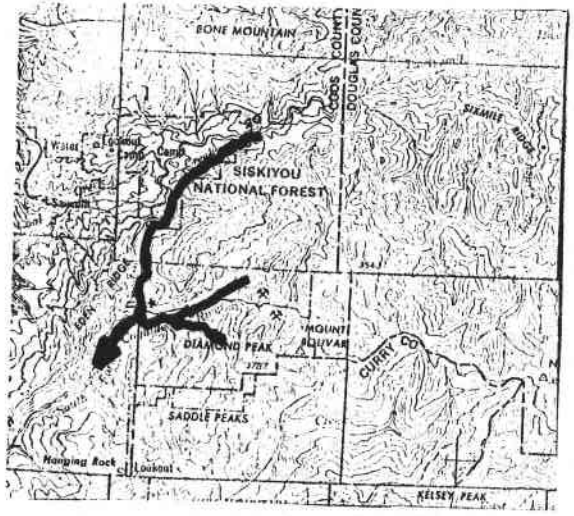
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 111 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-835-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.1, T31S, R15W
D.	Latitude, Longitude	42°55'N, 124°25'W
E.	Stream Name	Floras Creek
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 10.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

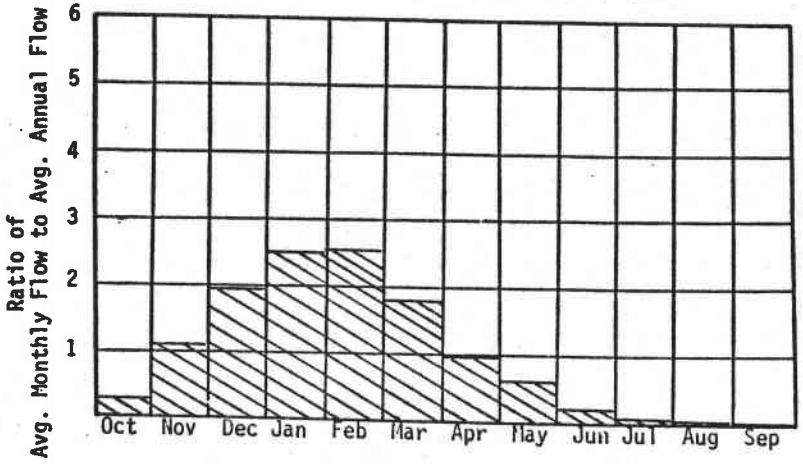
A.	Upstream Elevation of Reach	290	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	290	Ft.
D.	Average Slope in Reach	29	Ft./Mi.
E.	Drainage Area above Reach Mouth	71	Sq.Mi.
F.	Inflow Classification	Natural	

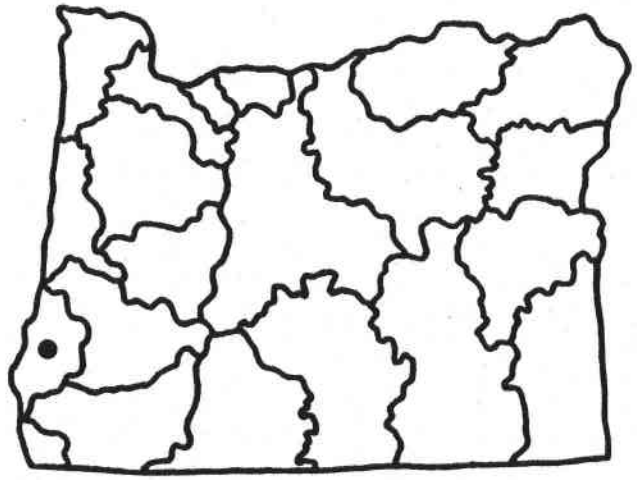
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.7	.12	1.02	1.000
80	11.7	.29	2.34	.925
50	85.3	2.10	12.63	.688
30	246.9	6.07	26.55	.499
10	699.7	17.20	46.04	.306

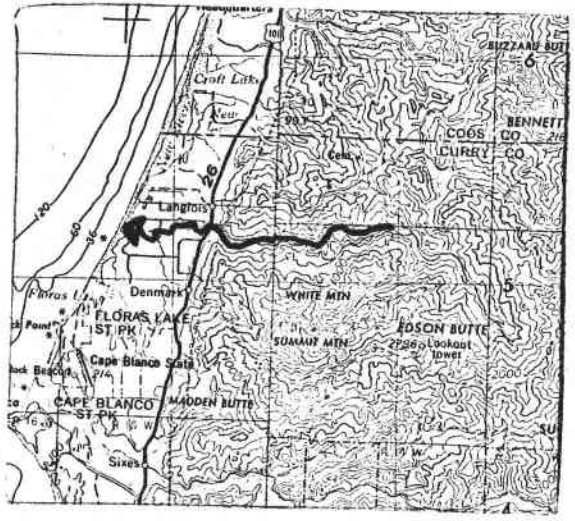
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 243 CFS





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

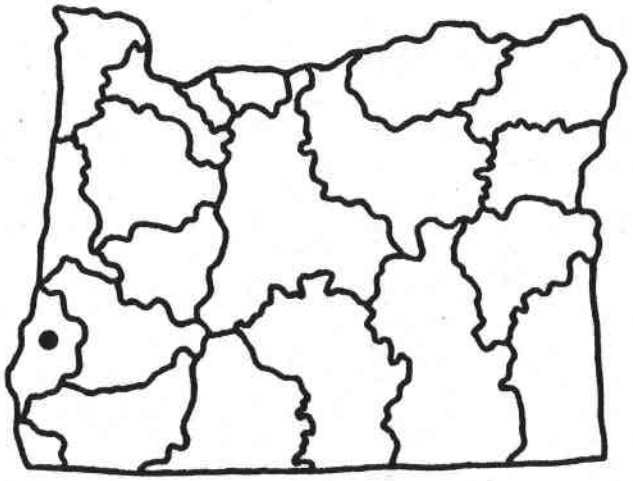


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-835-000-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.3, T31S, R14W
D.	Latitude, Longitude	42°54'N,124°20'W
E.	Stream Name	Floras Creek
F.	Major Basin Name	South Coast
G.	River Mile	10.0 to 13.0



II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A.	Upstream Elevation of Reach	370	Ft. MSL
B.	Downstream Elevation of Reach	290	Ft. MSL
C.	Total Available Head in Reach	80	Ft.
D.	Average Slope in Reach	26.7	Ft./Mi.
E.	Drainage Area above Reach Mouth	49.1	Sq.Mi.
F.	Inflow Classification	Natural	

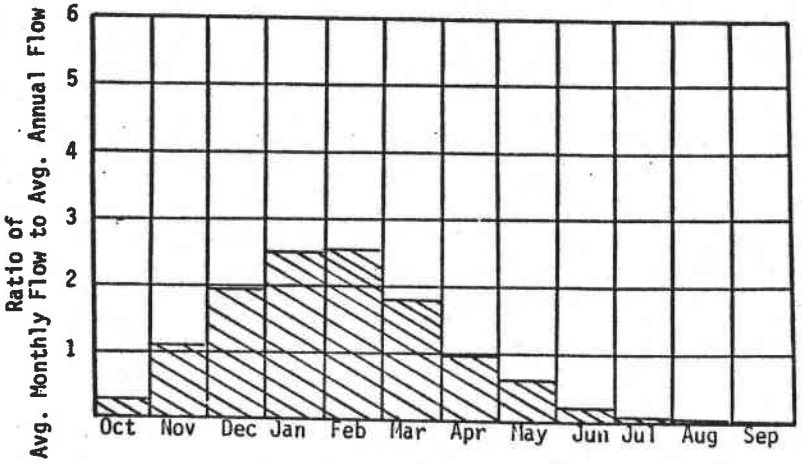
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

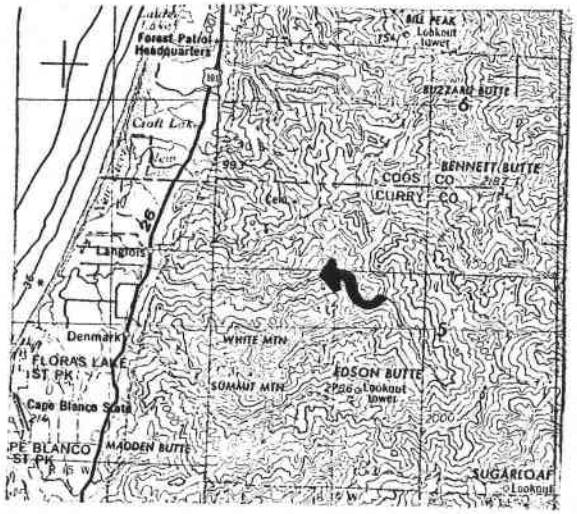
EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	3.6	.02	.21	1.000
80	9.2	.06	.50	.924
50	68.9	.47	2.81	.686
30	201.1	1.36	5.95	.498
10	566.2	3.84	10.29	.306

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

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 197 CFS





REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-835-002-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.35, T30S, R14W
D.	Latitude, Longitude	42°55'N,124°20'W
E.	Stream Name	North Fork Floras Creek
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 2.5

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

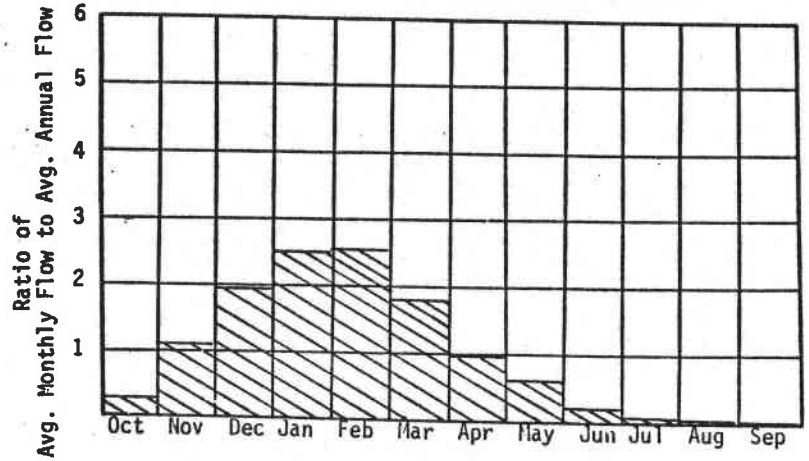
A.	Upstream Elevation of Reach	440	Ft. MSL
B.	Downstream Elevation of Reach	370	Ft. MSL
C.	Total Available Head in Reach	70	Ft.
D.	Average Slope in Reach	28.0	Ft./Mi.
E.	Drainage Area above Reach Mouth	28.9	Sq.Mi.
F.	Inflow Classification	Natural	

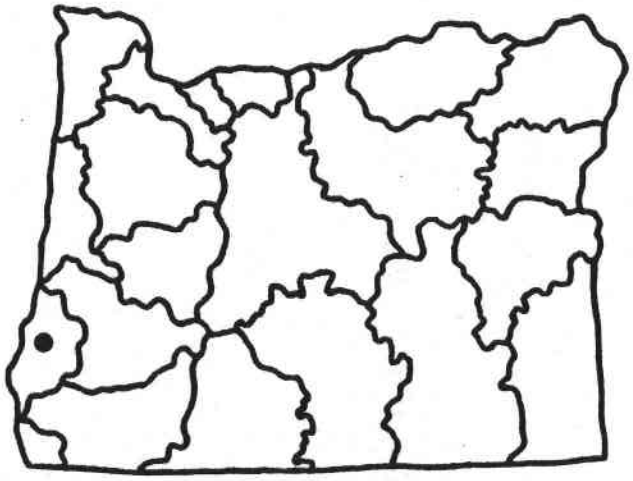
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.6	.01	.08	1.000
80	4.6	.03	.22	.919
50	38.3	.23	1.36	.682
30	114.4	.68	2.94	.495
10	316.4	1.88	5.04	.307

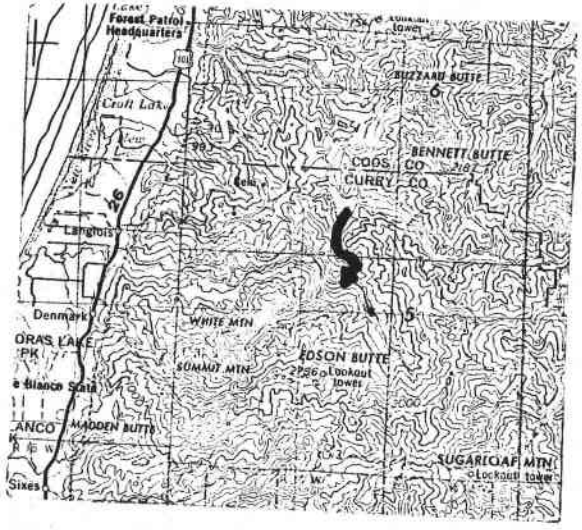
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 110 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-835-002-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.26, T30S, R13W
D.	Latitude, Longitude	42°56'N,124°16'W
E.	Stream Name	North Fork Floras Creek
F.	Major Basin Name	South Coast
G.	River Mile	2.5 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

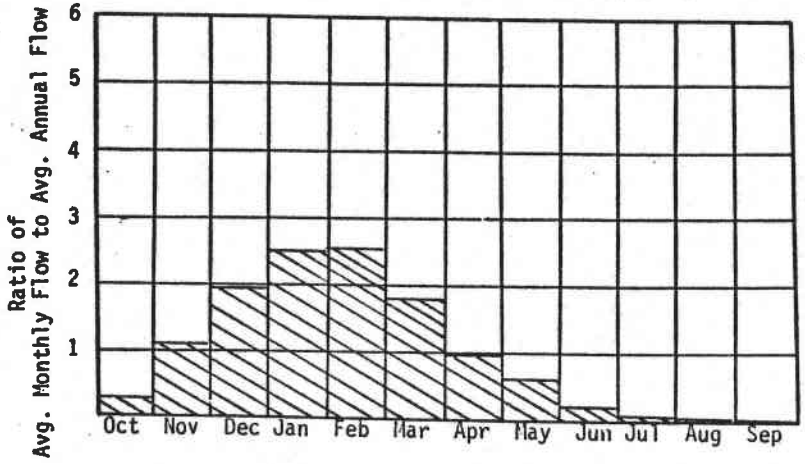
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	25.1	Sq.Mi.
F.	Inflow Classification	Natural	

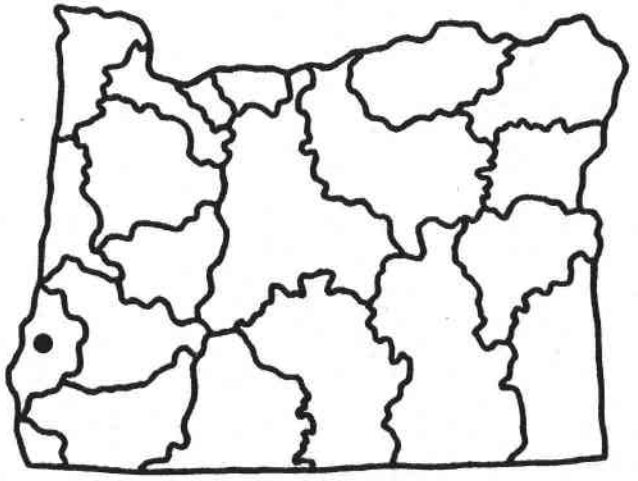
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.5	.01	.07	1.000
80	4.2	.02	.19	.918
50	35.4	.20	1.18	.682
30	106.0	.59	2.57	.494
10	292.3	1.63	4.39	.307

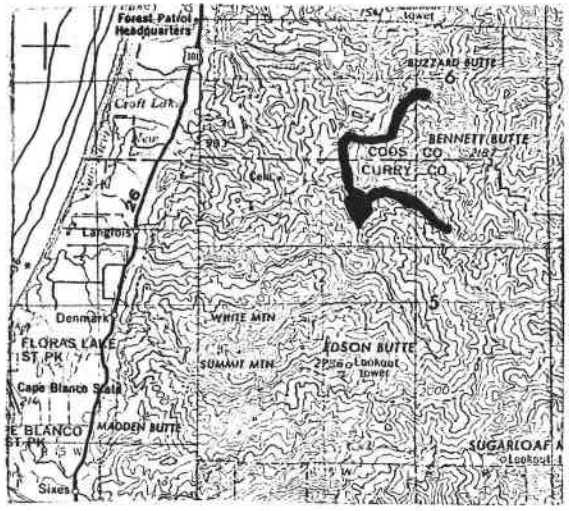
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 101 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-840-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.9, T32S, R15W
D.	Latitude, Longitude	42°49'N,124°29'W
E.	Stream Name	Sixes River
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 10.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

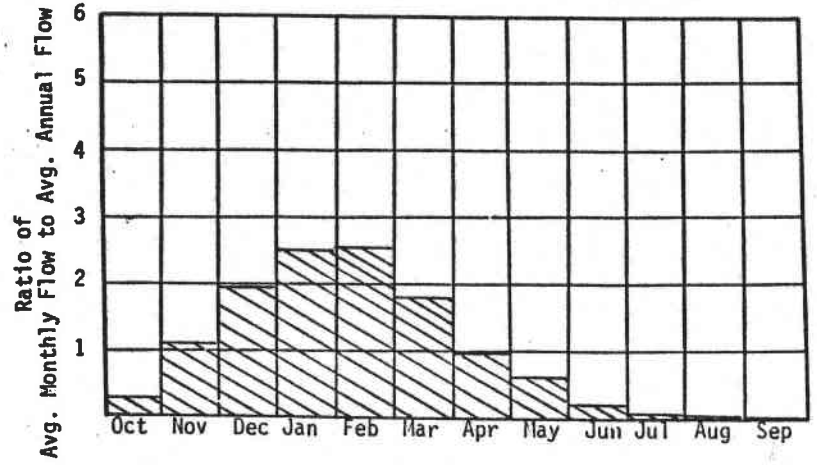
A.	Upstream Elevation of Reach	37	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	37	Ft.
D.	Average Slope in Reach	3.7	Ft./Mi.
E.	Drainage Area above Reach Mouth	13.2	Sq.Mi.
F.	Inflow Classification	Natural	

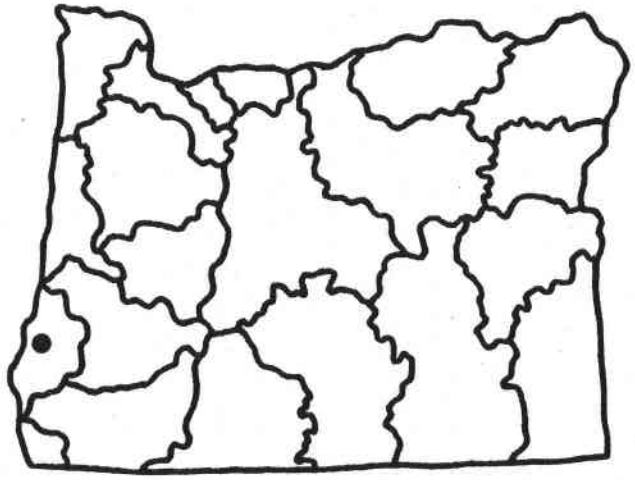
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	14.9	.05	.41	1.000
80	32.0	.10	.82	.933
50	201.3	.63	3.84	.695
30	564.1	1.77	7.83	.505
10	1641.5	5.15	13.75	.305

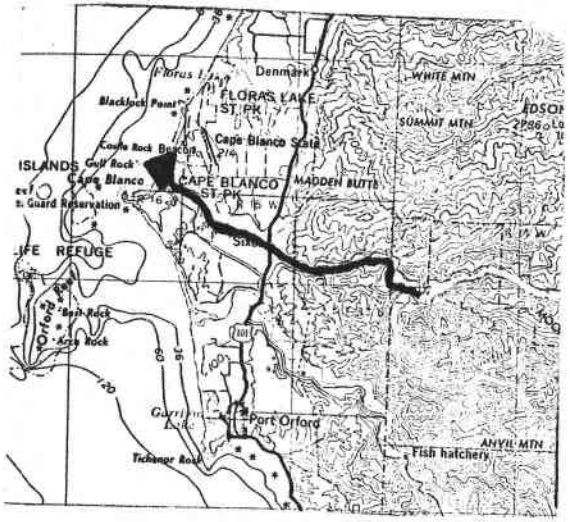
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 572 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-840-000-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.9, T32S, R14W
D.	Latitude, Longitude	42°48'N,124°22'W
E.	Stream Name	Sixes River
F.	Major Basin Name	South Coast
G.	River Mile	10.0 to 18.5

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

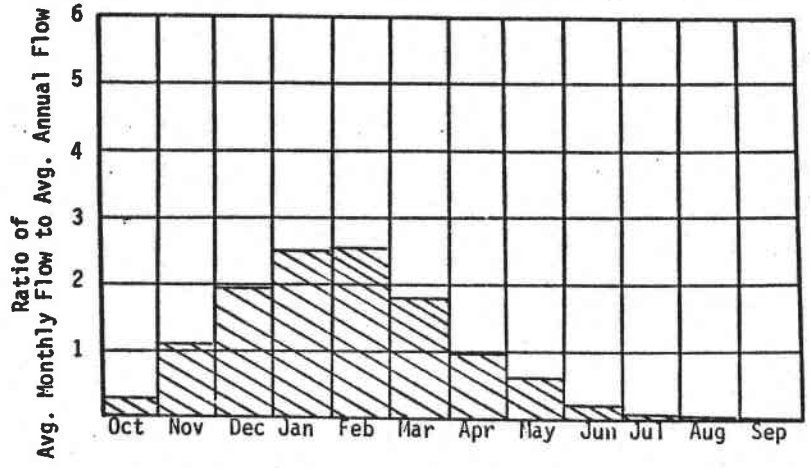
A.	Upstream Elevation of Reach	150	Ft. MSL
B.	Downstream Elevation of Reach	37	Ft. MSL
C.	Total Available Head in Reach	119	Ft.
D.	Average Slope in Reach	14.0	Ft./Mi.
E.	Drainage Area above Reach Mouth	107	Sq.Mi.
F.	Inflow Classification	Natural	

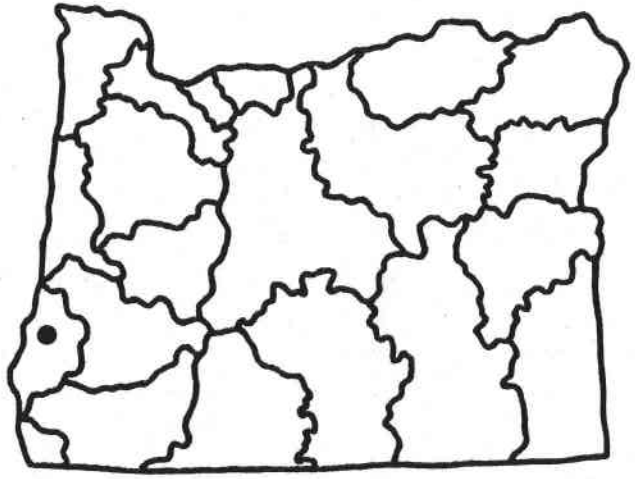
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	9.7	.10	.86	1.000
80	22.0	.22	1.81	.930
50	146.2	1.47	8.94	.692
30	414.8	4.18	18.43	.503
10	1195.2	12.05	32.22	.305

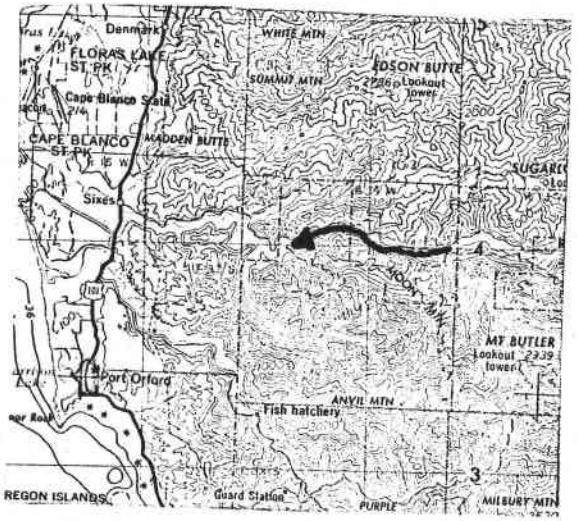
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 416 CFS





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

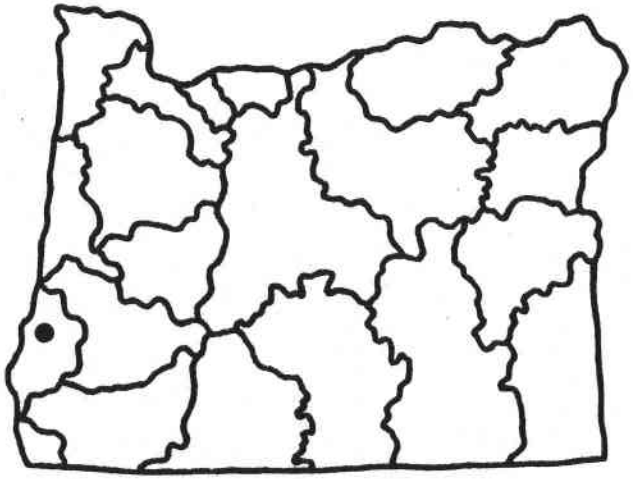


REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-840-000-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.8, T32S, R13W
D.	Latitude, Longitude	42°48'N,124°15'W
E.	Stream Name	Sixes River
F.	Major Basin Name	South Coast
G.	River Mile	18.5 to 25.0



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

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

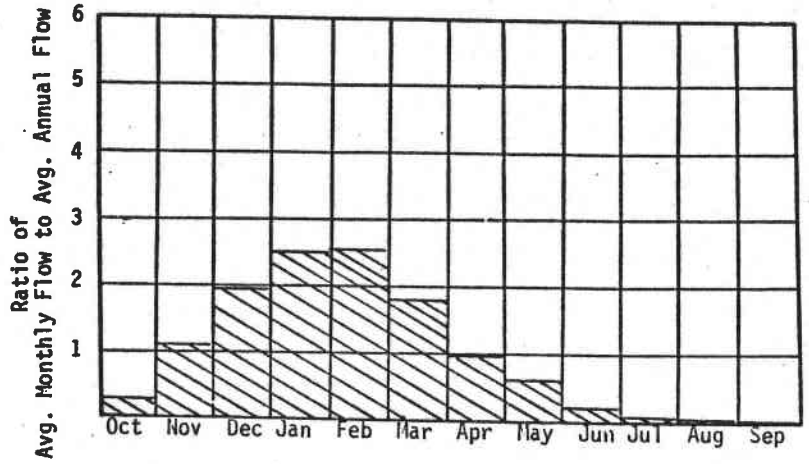
A.	Upstream Elevation of Reach	344	Ft. MSL
B.	Downstream Elevation of Reach	155	Ft. MSL
C.	Total Available Head in Reach	189	Ft.
D.	Average Slope in Reach	28.9	Ft./Mi.
E.	Drainage Area above Reach Mouth	63	Sq.Mi.
F.	Inflow Classification	Natural	

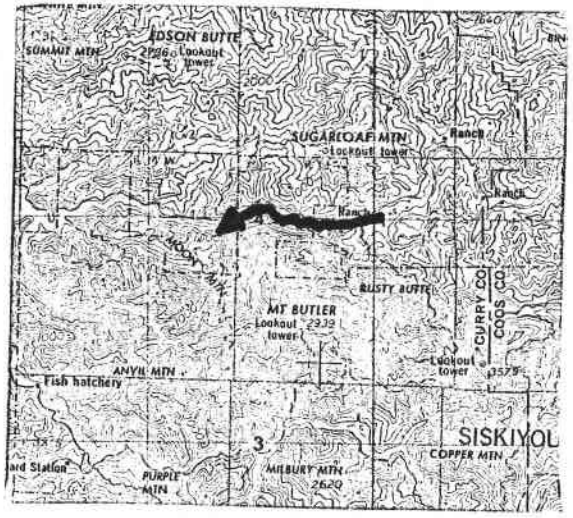
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.1	.07	.58	1.000
80	10.5	.17	1.36	.924
50	77.2	1.24	7.44	.687
30	224.4	3.59	15.70	.499
10	633.9	10.15	27.20	.306

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 220 CFS





REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-840-000-000-000-R0004

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.11, T31S, R13W
D.	Latitude, Longitude	42°47'N,123°54'W
E.	Stream Name	Sixes River
F.	Major Basin Name	South Coast
G.	River Mile	25.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

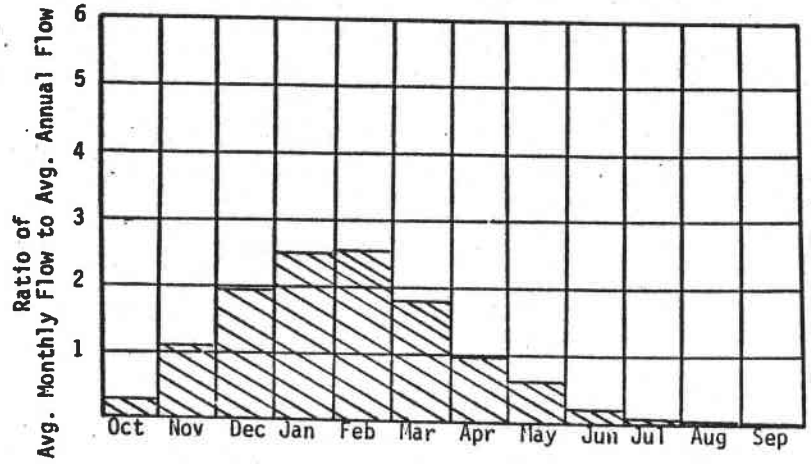
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	28.9	Sq.Mi.
F.	Inflow Classification	Natural	

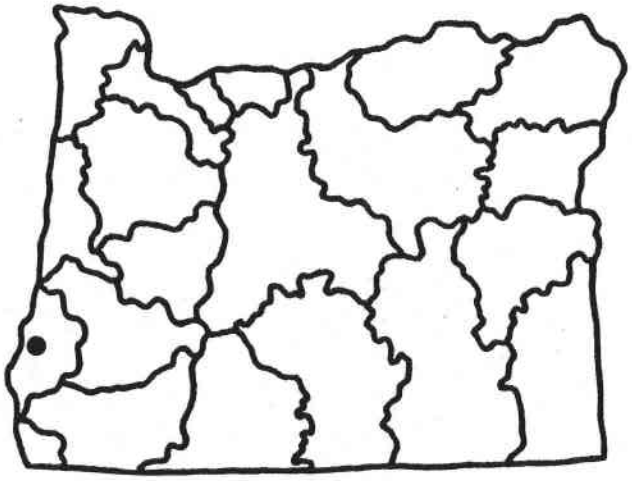
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.0	.01	.10	1.000
80	5.7	.03	.26	.920
50	45.6	.26	1.53	.683
30	135.3	.76	3.29	.496
10	376.1	2.10	5.65	.306

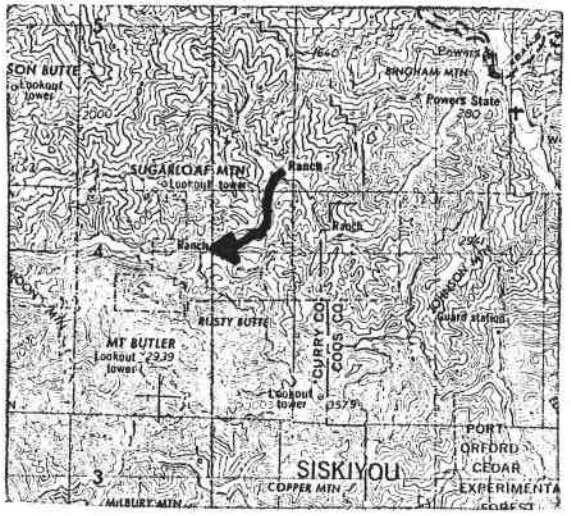
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 131 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-845-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.22, T32S, R15W
D.	Latitude, Longitude	42°47'N,124°28'W
E.	Stream Name	Elk River
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 10.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

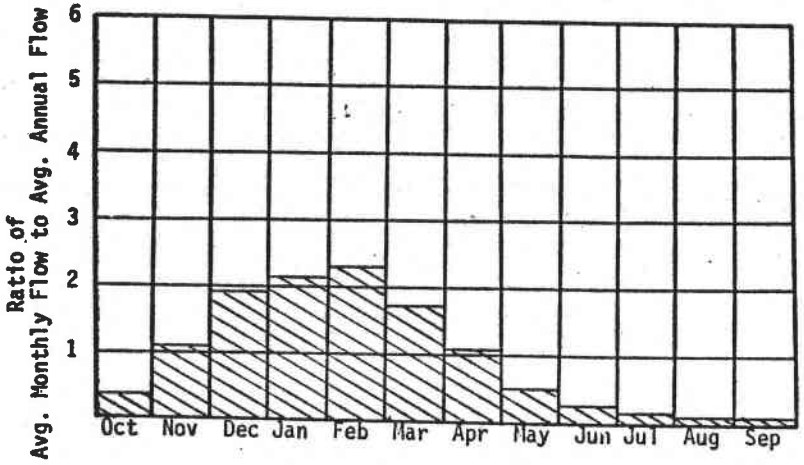
A.	Upstream Elevation of Reach	65	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	65	Ft.
D.	Average Slope in Reach	6.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	88.6	Sq.Mi.
F.	Inflow Classification	Natural	

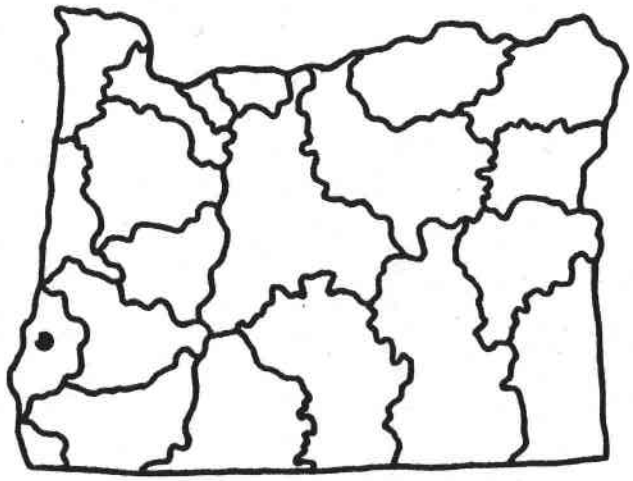
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.9	.05	.43	1.000
80	20.3	.11	.91	.930
50	136.4	.75	4.55	.692
30	387.9	2.14	9.41	.503
10	1115.2	6.14	16.42	.305

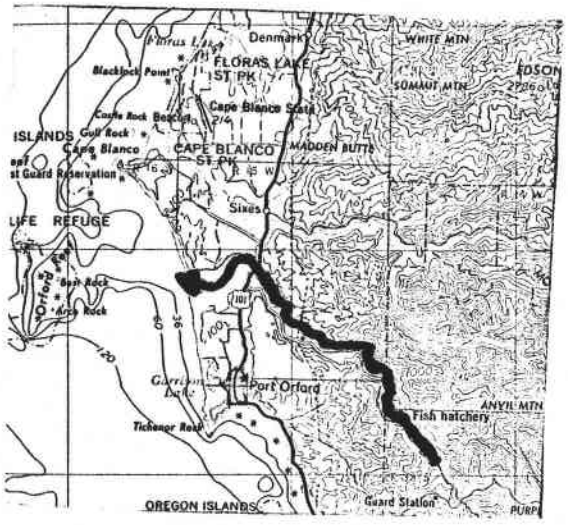
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 388 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-845-000-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.17, T33S, R14W
D.	Latitude, Longitude	42°43'N.124°23'W
E.	Stream Name	Elk River
F.	Major Basin Name	South Coast
G.	River Mile	10.0 to 20.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

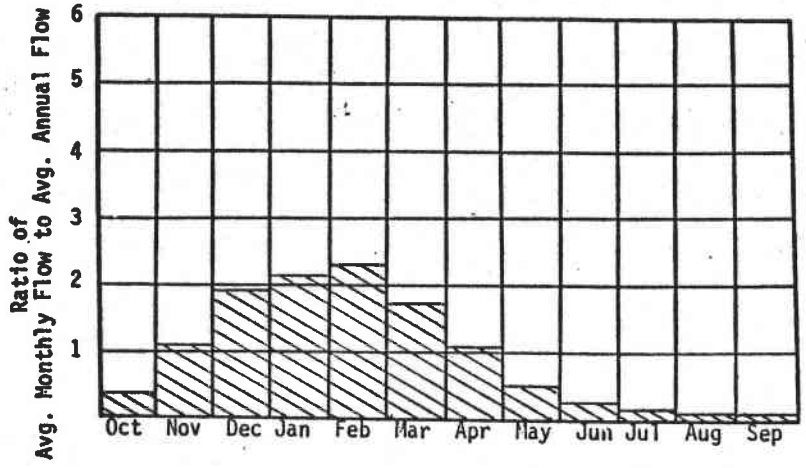
A.	Upstream Elevation of Reach	411	Ft. MSL
B.	Downstream Elevation of Reach	65	Ft. MSL
C.	Total Available Head in Reach	346.3	Ft.
D.	Average Slope in Reach	34.6	Ft./Mi.
E.	Drainage Area above Reach Mouth	76.2	Sq.Mi.
F.	Inflow Classification	Natural	

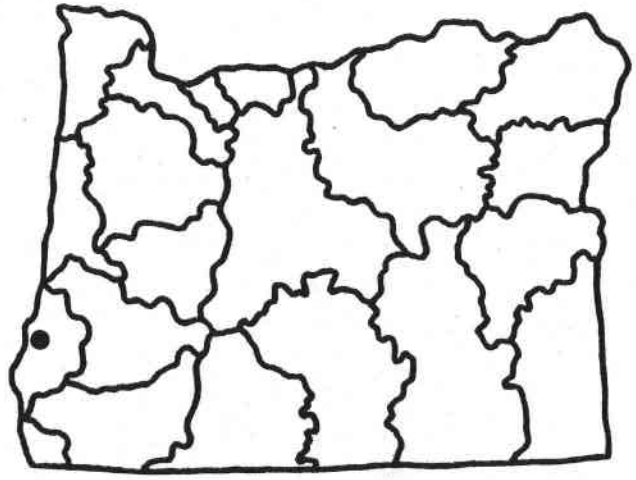
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.6	.19	1.71	1.000
80	15.8	.46	3.76	.928
50	109.9	3.22	19.47	.690
30	315.1	9.24	40.56	.501
10	900.1	26.39	70.61	.305

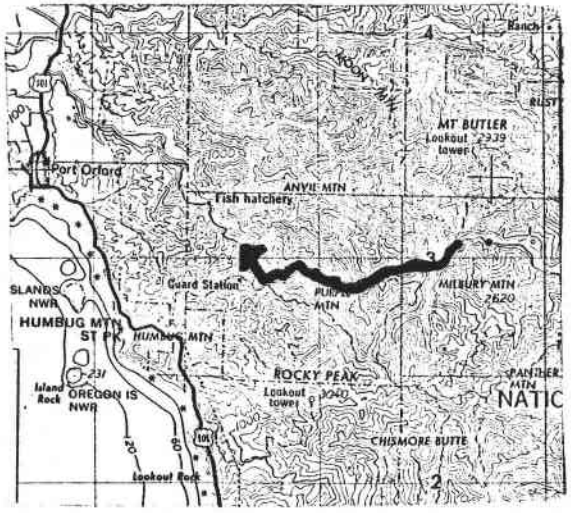
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 313 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-845-000-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.8, T33S, R13W
D.	Latitude, Longitude	42°43'N,124°17'W
E.	Stream Name	Elk River
F.	Major Basin Name	South Coast
G.	River Mile	20.0 to 28.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

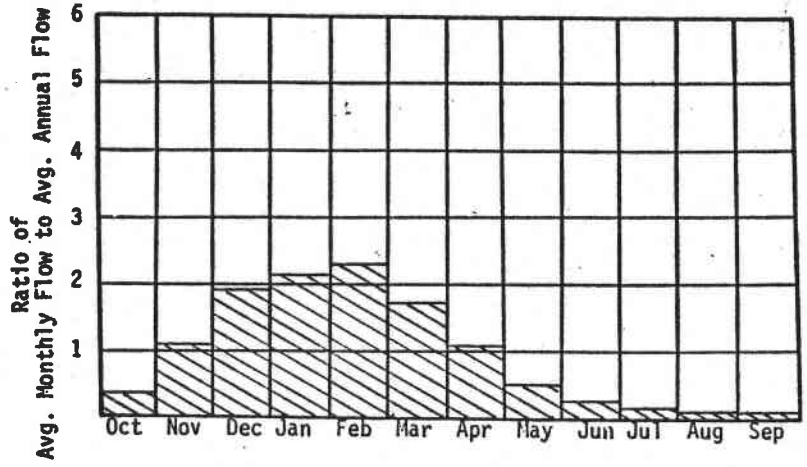
A.	Upstream Elevation of Reach	743	Ft. MSL
B.	Downstream Elevation of Reach	411	Ft. MSL
C.	Total Available Head in Reach	332	Ft.
D.	Average Slope in Reach	41.4	Ft./Mi.
E.	Drainage Area above Reach Mouth	50.2	Sq.Mi.
F.	Inflow Classification	Natural	

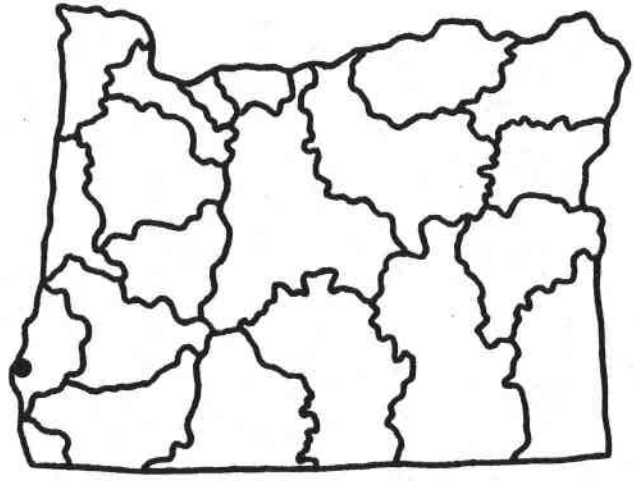
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	3.5	.10	.85	1.000
80	8.9	.25	2.03	.923
50	67.4	1.90	11.40	.686
30	196.9	5.54	24.17	.498
10	554.1	15.59	41.77	.306

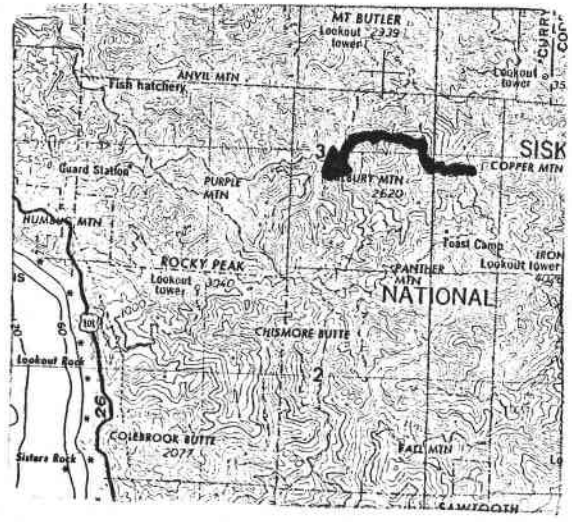
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 193 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-845-000-000-000-R0004

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.10, T33S, R13W
D.	Latitude, Longitude	42°43'N,124°11'W
E.	Stream Name	Elk River
F.	Major Basin Name	South Coast
G.	River Mile	28.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

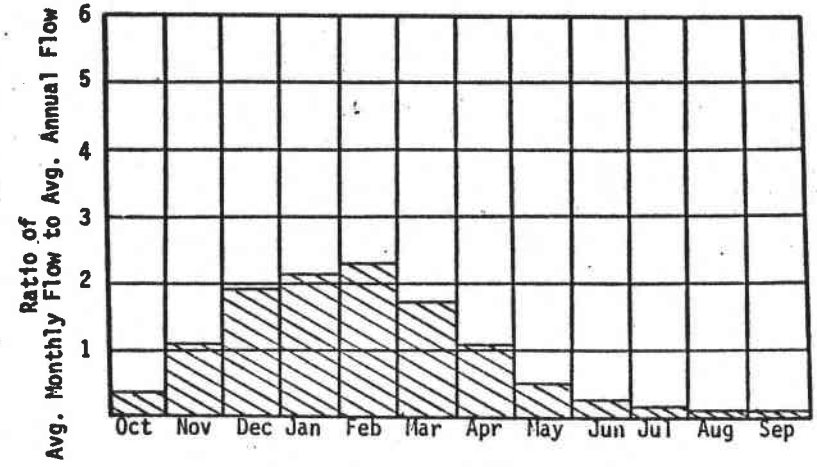
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	22.9	Sq.Mi.
F.	Inflow Classification	Natural	

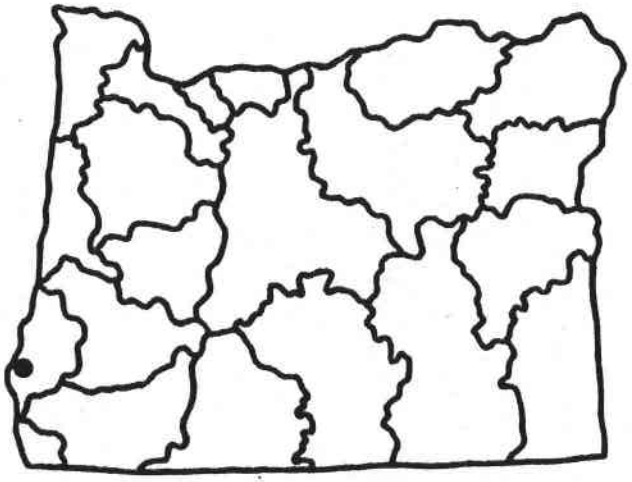
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.9	.01	.09	1.000
80	5.3	.03	.24	.920
50	43.0	.24	1.44	.683
30	127.7	.71	3.10	.495
10	354.4	1.98	5.32	.306

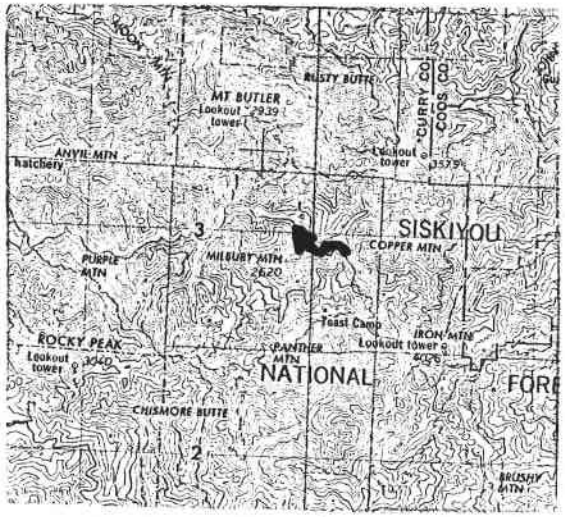
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 123 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-850-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.8, T35S, R14W
D.	Latitude, Longitude	42°34'N,124°24'W
E.	Stream Name	Euchre Creek
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 1.4

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

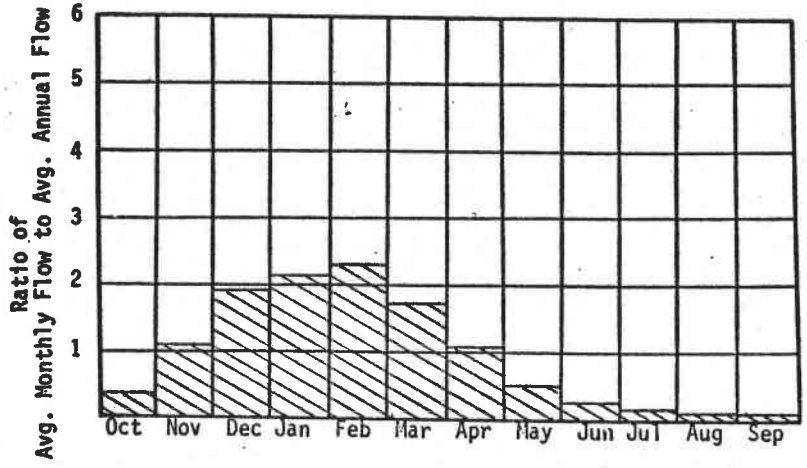
A.	Upstream Elevation of Reach	40	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	40	Ft.
D.	Average Slope in Reach	28.6	Ft./Mi.
E.	Drainage Area above Reach Mouth	34.8	Sq.Mi.
F.	Inflow Classification	Natural	

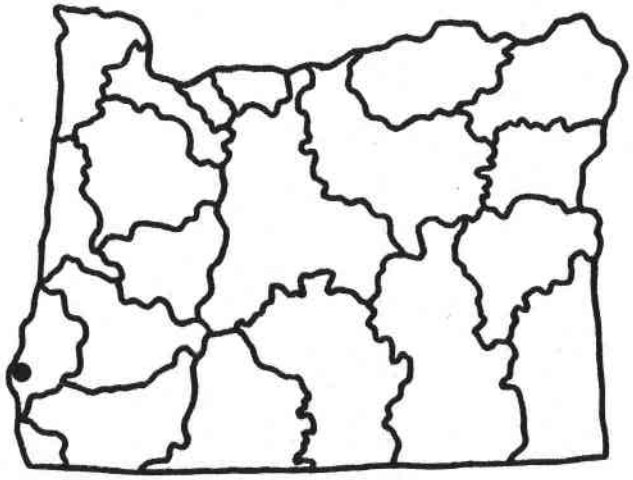
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	2.0	.01	.06	1.000
80	5.5	.02	.15	.920
50	44.5	.15	.90	.683
30	132.2	.45	1.95	.495
10	367.2	1.24	3.34	.306

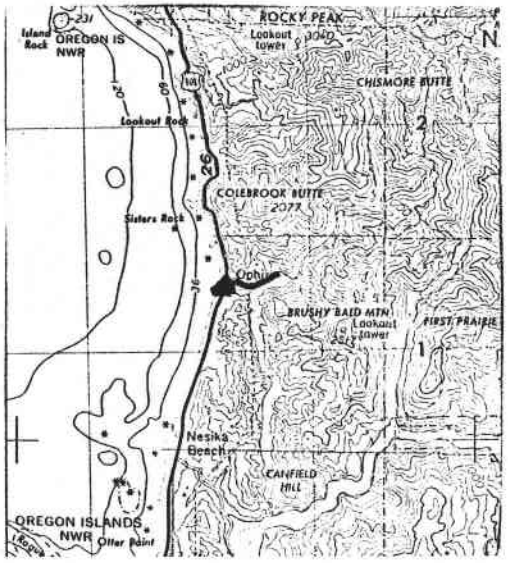
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 128 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-850-000-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.9, T34S, R14W
D.	Latitude, Longitude	42°36'N,124°20'W
E.	Stream Name	Euchre Creek
F.	Major Basin Name	South Coast
G.	River Mile	1.4 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

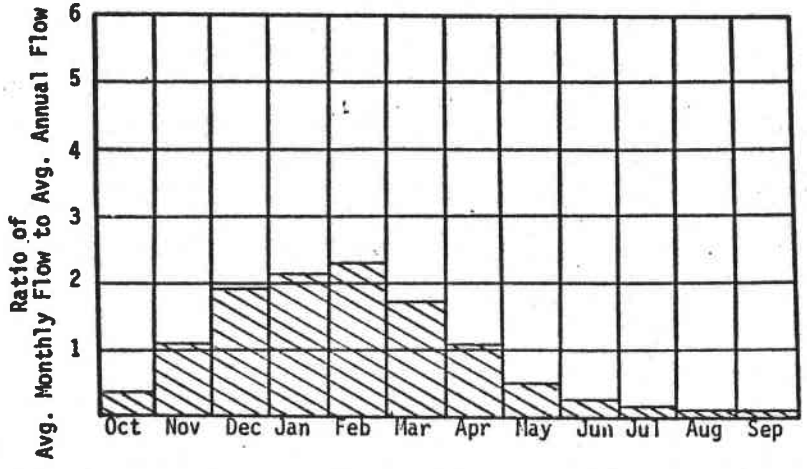
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	23.9	Sq.Mi.
F.	Inflow Classification	Natural	

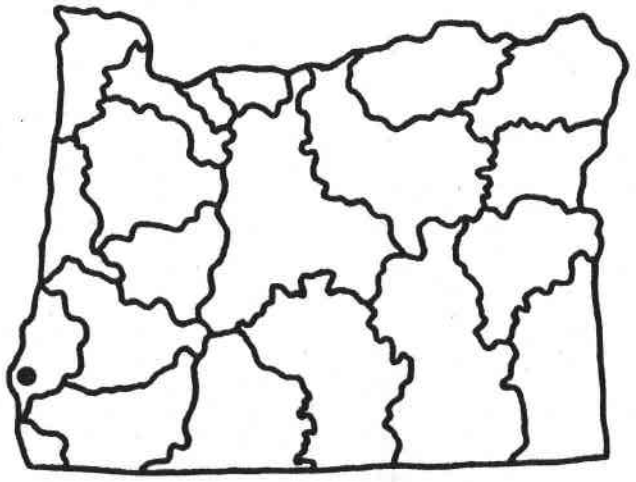
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	1.5	.01	.08	1.000
80	4.4	.02	.20	.919
50	36.9	.21	1.23	.682
30	110.3	.62	2.67	.494
10	304.6	1.70	4.58	.307

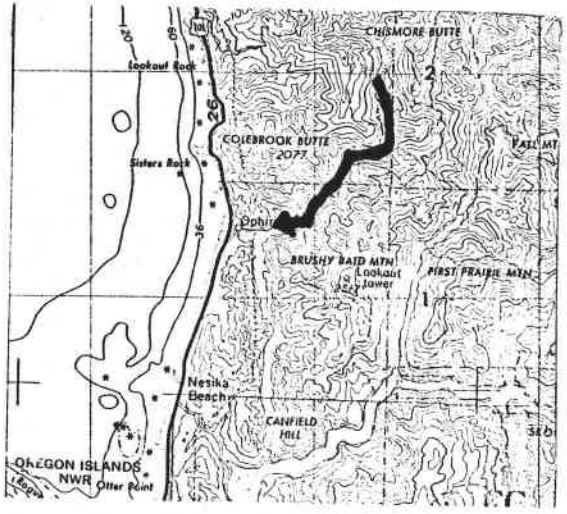
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 106 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-950-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.12, T37S, R15W
D.	Latitude, Longitude	42°23'N, 124°24'W
E.	Stream Name	Hunter Creek
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

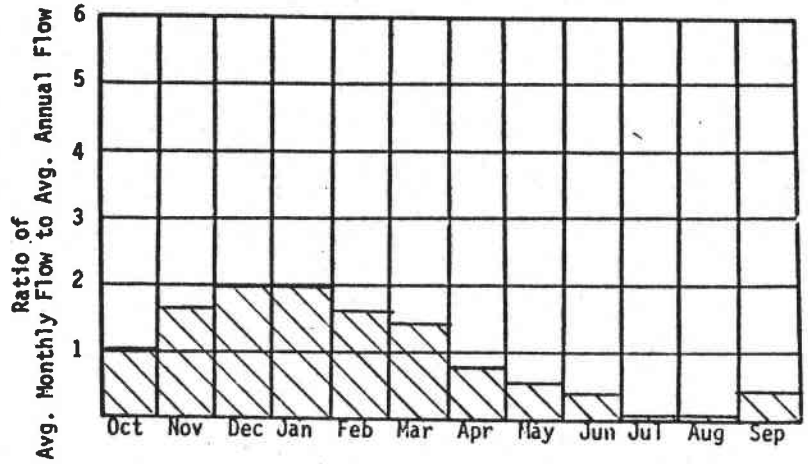
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	40.5	Sq.Mi.
F.	Inflow Classification	Natural	

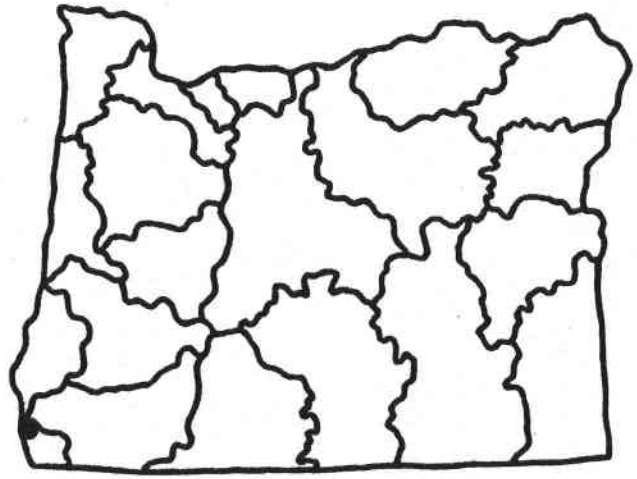
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	7.4	.04	.36	1.000
80	13.9	.08	.64	.941
50	82.4	.46	2.82	.699
30	232.6	1.30	5.77	.506
10	703.7	3.94	10.38	.301

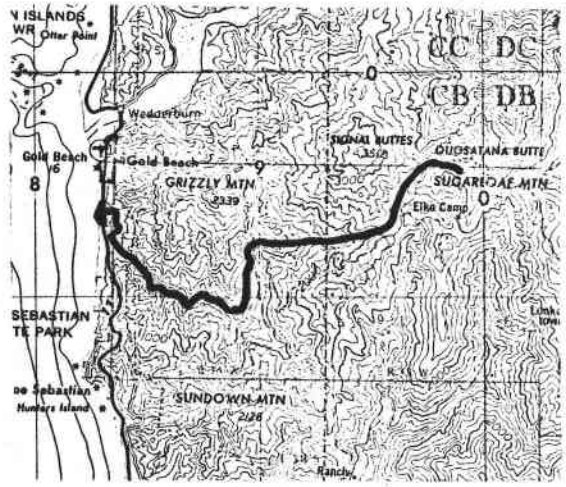
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 268 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-955-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.22, T38S, R14W
D.	Latitude, Longitude	42°17'N, 124°20'W
E.	Stream Name	Pistol River
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 8.8

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

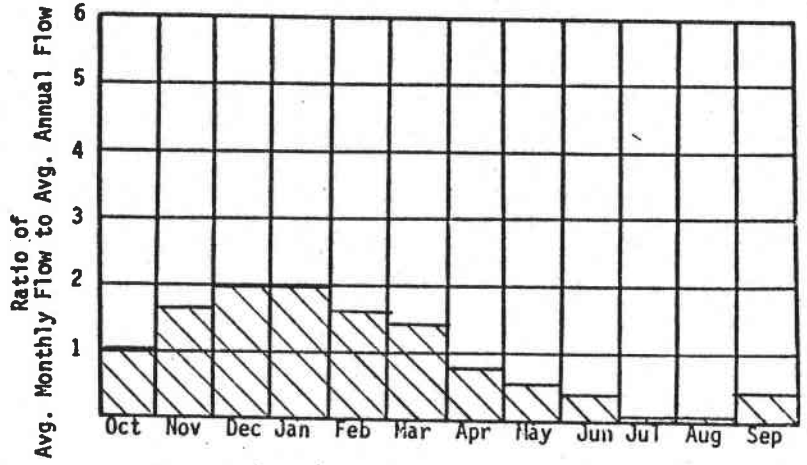
A.	Upstream Elevation of Reach	180	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	180	Ft.
D.	Average Slope in Reach	20.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	104	Sq.Mi.
F.	Inflow Classification	Natural	

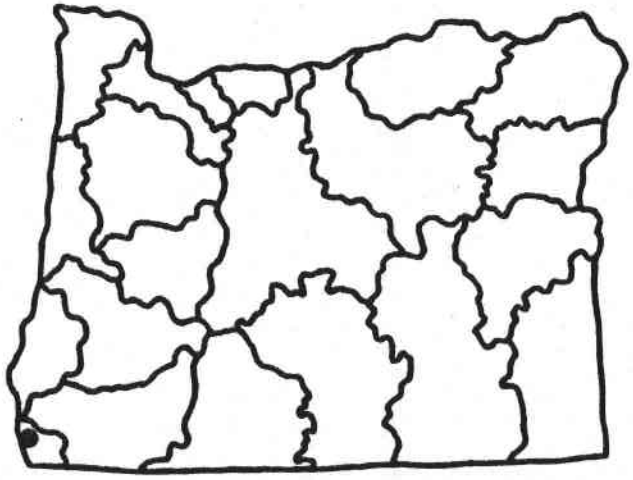
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.6	.03	.23	1.000
80	8.8	.05	.40	.941
50	51.9	.29	1.78	.699
30	146.3	.82	3.63	.506
10	442.6	2.48	6.53	.301

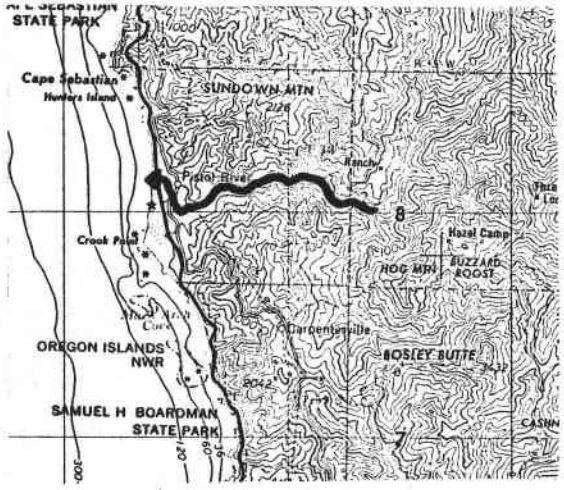
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 653 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-955-001-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.19, T38S, R13W
D.	Latitude, Longitude	42°17'N, 124°18'W
E.	Stream Name	South Fork Pistol River
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

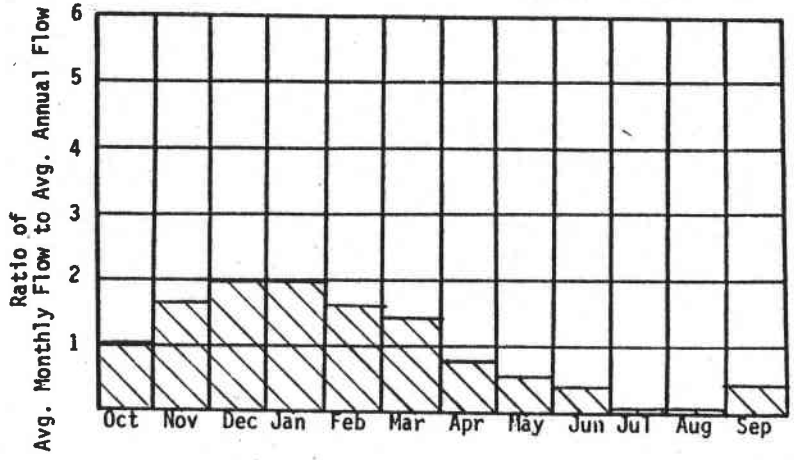
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	30.0	Sq.Mi.
F.	Inflow Classification	Natural	

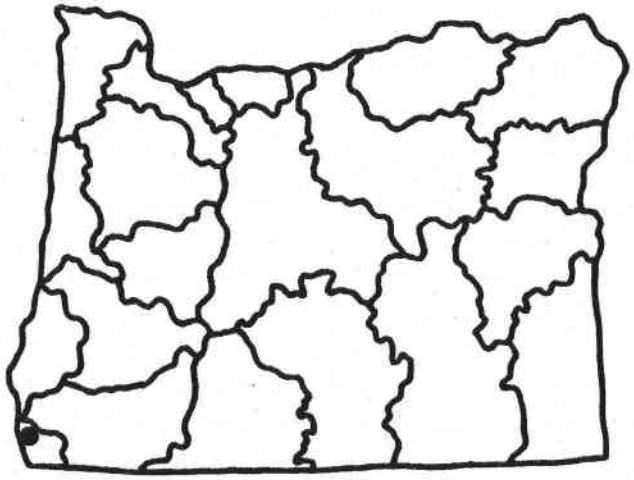
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	18.0	.27	2.40	1.000
80	34.0	.52	4.27	.941
50	201.2	3.07	18.80	.699
30	567.8	8.66	38.39	.506
10	1717.8	26.20	69.13	.301

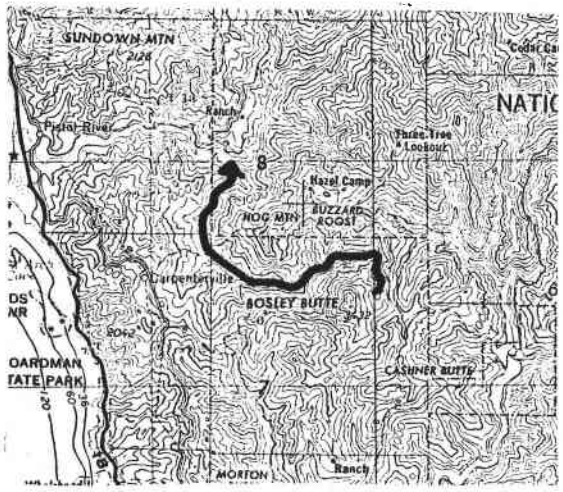
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 168 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-955-000-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.8, T28S, R13W
D.	Latitude, Longitude	42°19'N, 124°17'W
E.	Stream Name	Pistol River
F.	Major Basin Name	South Coast
G.	River Mile	8.8 to 15.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

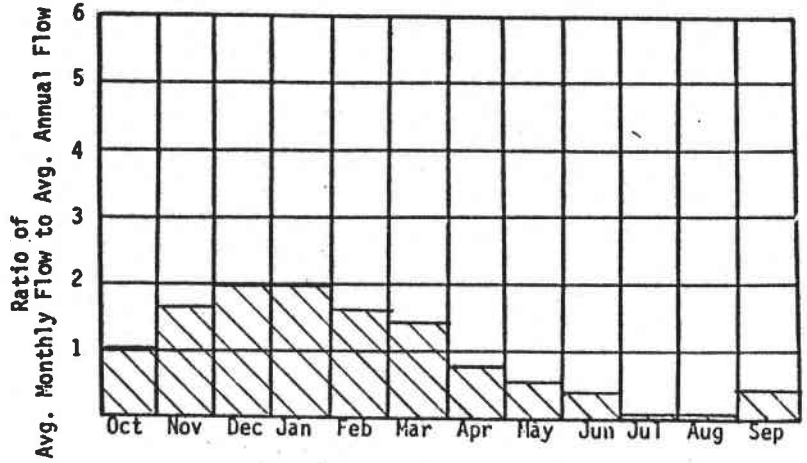
A.	Upstream Elevation of Reach	590	Ft. MSL
B.	Downstream Elevation of Reach	180	Ft. MSL
C.	Total Available Head in Reach	410	Ft.
D.	Average Slope in Reach	60.3	Ft./Mi.
E.	Drainage Area above Reach Mouth	56.7	Sq.Mi.
F.	Inflow Classification	Natural	

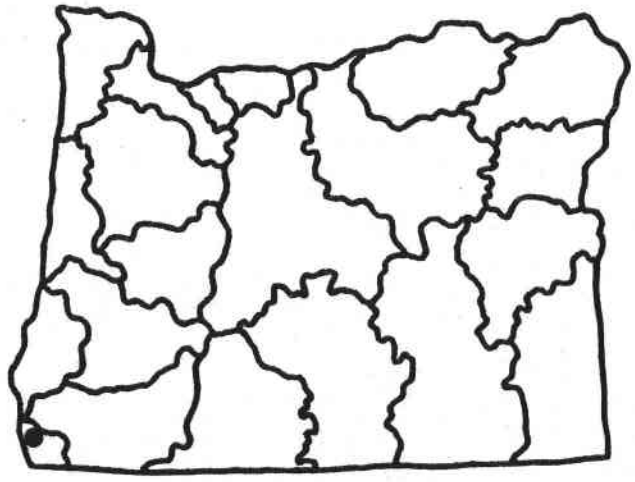
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	9.1	.32	2.78	1.000
80	17.2	.60	4.94	.941
50	102.2	3.55	21.74	.699
30	288.2	10.01	44.39	.506
10	872.0	30.30	79.93	.301

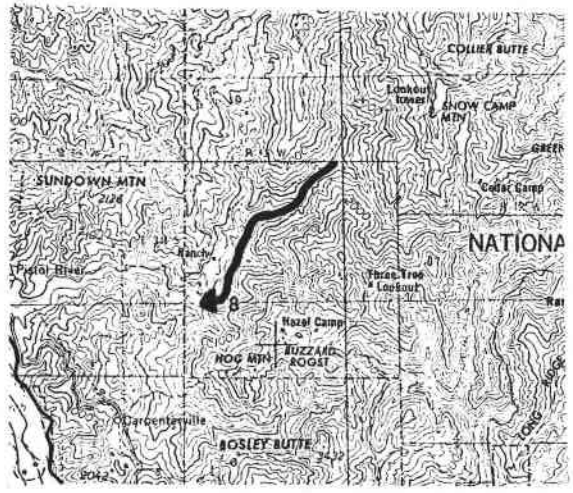
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 332 CFS





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



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REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-955-000-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec. 2, T37S, R13W
D.	Latitude, Longitude	42°19'N, 124°14'W
E.	Stream Name	Pistol River
F.	Major Basin Name	South Coast
G.	River Mile	15.6 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

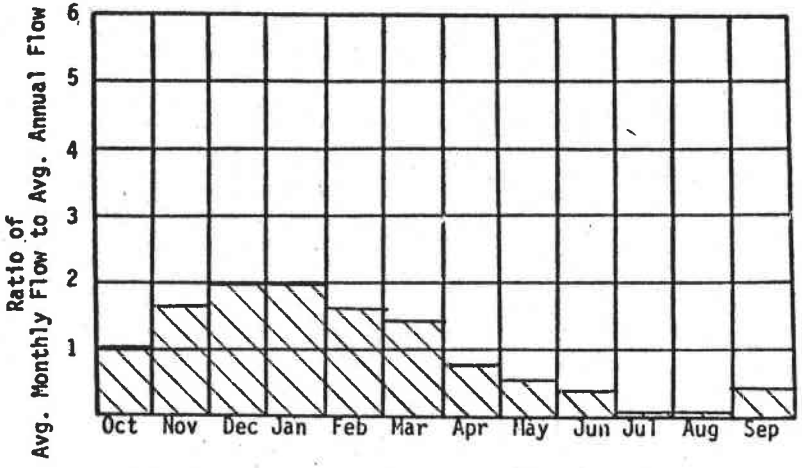
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	28.6	Sq.Mi.
F.	Inflow Classification	Natural	

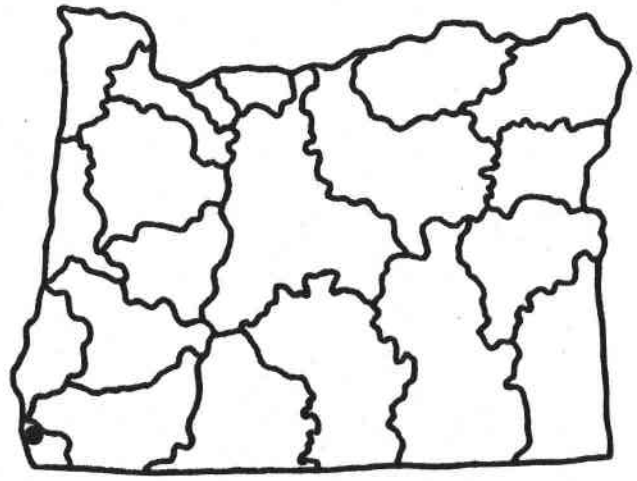
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.3	.04	.31	1.000
80	12.0	.07	.55	.941
50	70.9	.40	2.43	.699
30	200.2	1.12	4.96	.506
10	605.5	3.39	8.94	.301

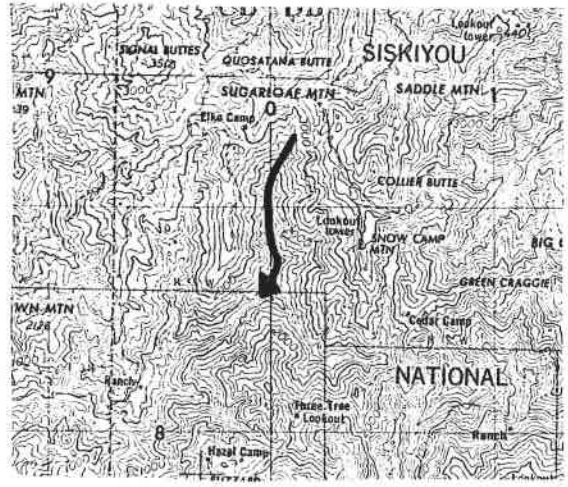
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 230 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-960-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.5, T40S, R13W
D.	Latitude, Longitude	42°03'N, 124°17'W
E.	Stream Name	Chetco River
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 10.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

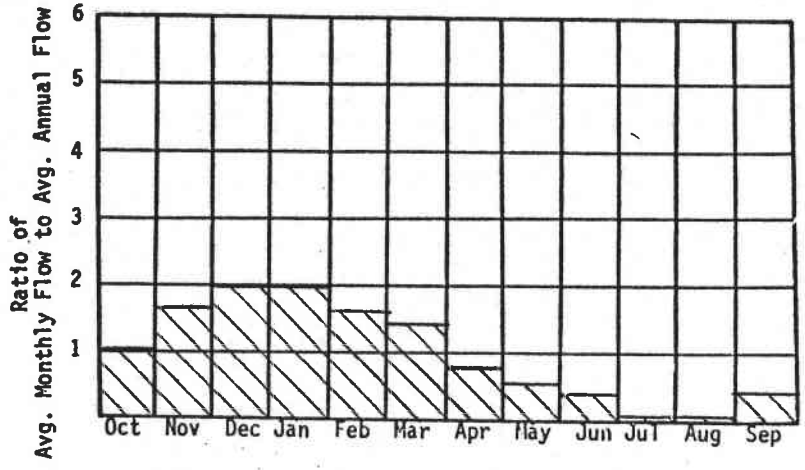
A.	Upstream Elevation of Reach	40	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	40	Ft.
D.	Average Slope in Reach	4	Ft./Mi.
E.	Drainage Area above Reach Mouth	325.9	Sq.Mi.
F.	Inflow Classification	Natural	

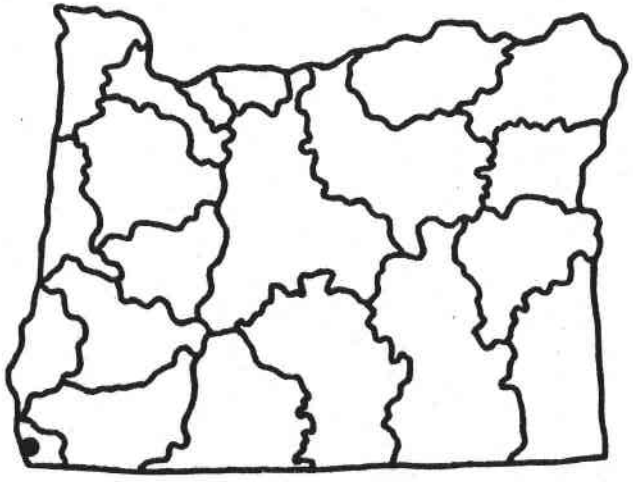
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	74.6	.25	2.22	1.000
80	141.2	.48	3.94	.941
50	836.1	2.83	17.36	.699
30	2358.9	8.00	35.45	.506
10	7136.3	24.19	63.82	.301

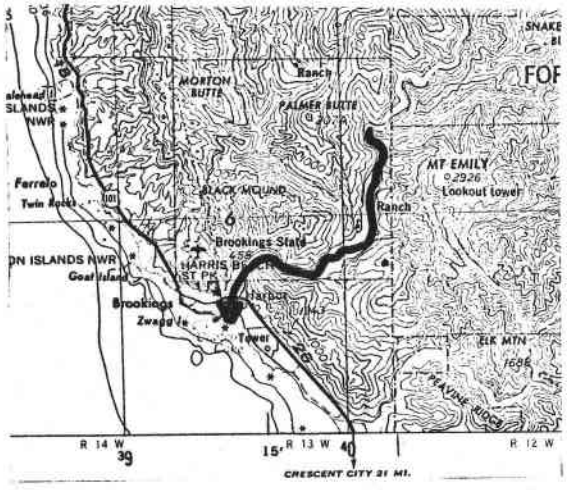
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 2715 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-960-000-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.30, T39S, R12W
D.	Latitude, Longitude	42°07'N, 124°11'W
E.	Stream Name	Chetco River
F.	Major Basin Name	South Coast
G.	River Mile	5.4 to 18.1

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

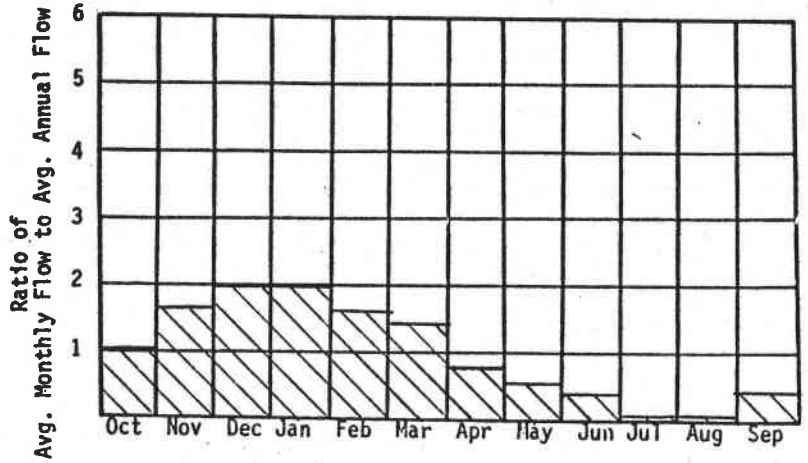
A.	Upstream Elevation of Reach	96	Ft. MSL
B.	Downstream Elevation of Reach	40	Ft. MSL
C.	Total Available Head in Reach	56	Ft.
D.	Average Slope in Reach	6.9	Ft./Mi.
E.	Drainage Area above Reach Mouth	274	Sq.Mi.
F.	Inflow Classification	Natural	

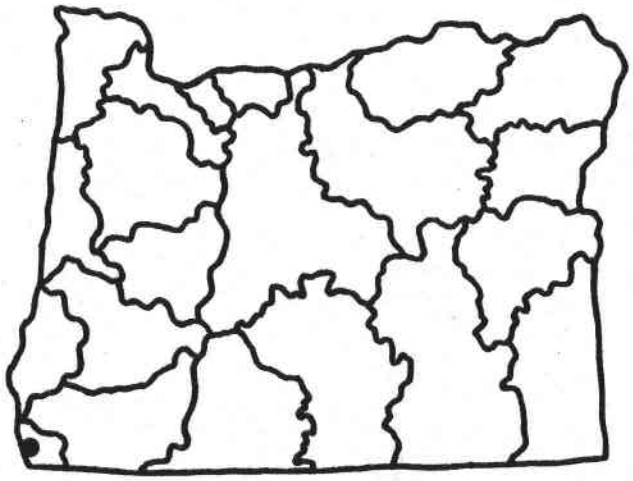
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	51.9	.25	2.16	1.000
80	98.2	.47	3.84	.941
50	581.7	2.76	16.91	.699
30	1641.2	7.79	34.53	.506
10	4965.3	23.56	62.16	.301

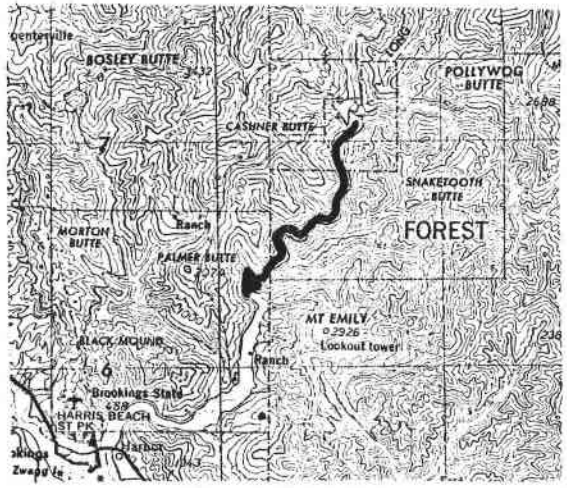
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1889 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-960-002-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.8, T39S, R12W
D.	Latitude, Longitude	42°10'N, 124°07'W
E.	Stream Name	South Fork Chetco River
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

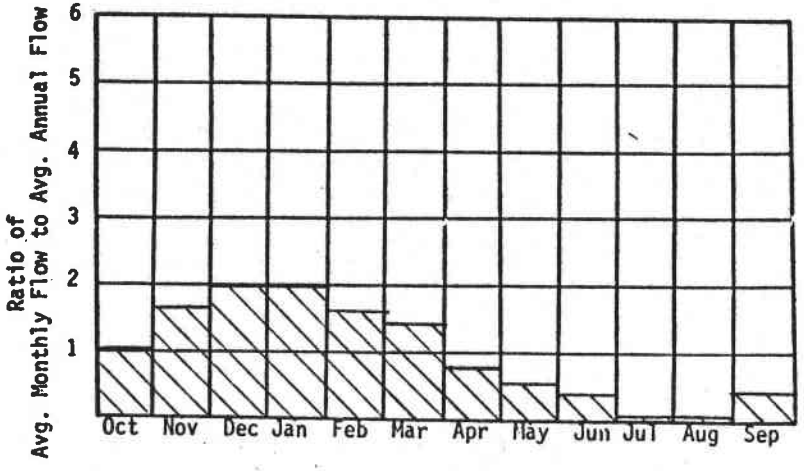
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	40.8	Sq.Mi.
F.	Inflow Classification	Natural	

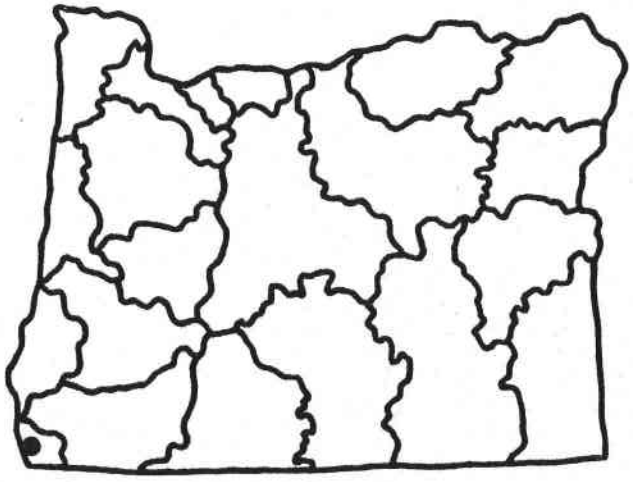
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.4	.05	.41	1.000
80	16.0	.09	.74	.941
50	94.5	.53	3.24	.699
30	266.7	1.49	6.61	.506
10	806.8	4.51	11.91	.301

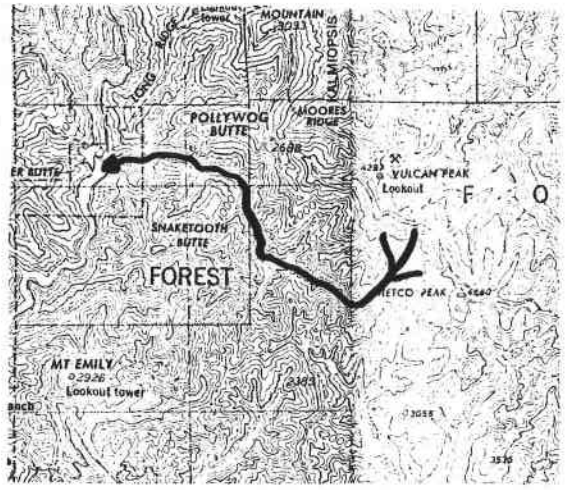
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 307 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-960-000-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.5, T39S, R12W
D.	Latitude, Longitude	42°12'N, 124°10'W
E.	Stream Name	Chetco River
F.	Major Basin Name	South Coast
G.	River Mile	18.1 to 20.9

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

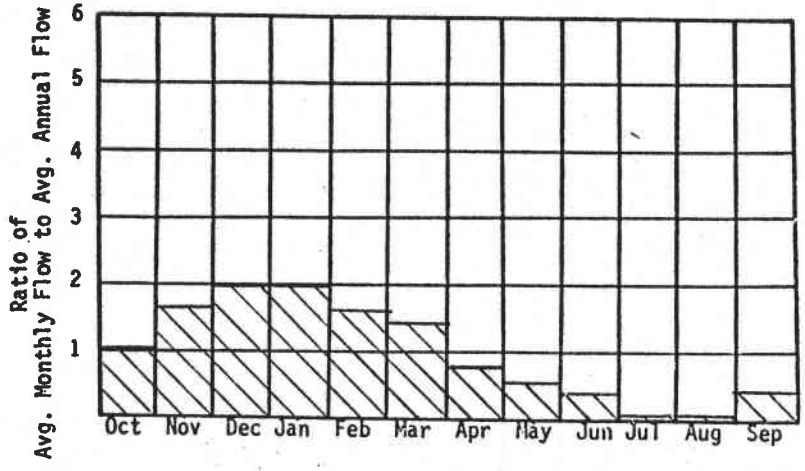
A.	Upstream Elevation of Reach	146	Ft. MSL
B.	Downstream Elevation of Reach	90	Ft. MSL
C.	Total Available Head in Reach	50	Ft.
D.	Average Slope in Reach	17.8	Ft./Mi.
E.	Drainage Area above Reach Mouth	198.2	Sq.Mi.
F.	Inflow Classification	Natural	

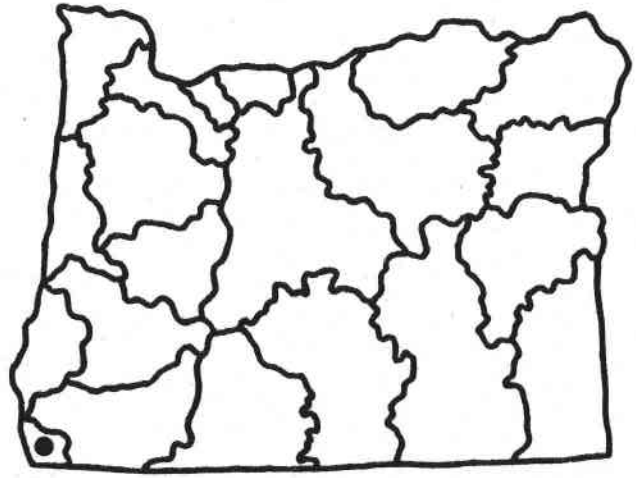
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	41.5	.18	1.54	1.000
80	78.5	.33	2.74	.941
50	465.1	1.97	12.07	.699
30	1312.3	5.56	24.65	.506
10	3970.2	16.82	44.38	.301

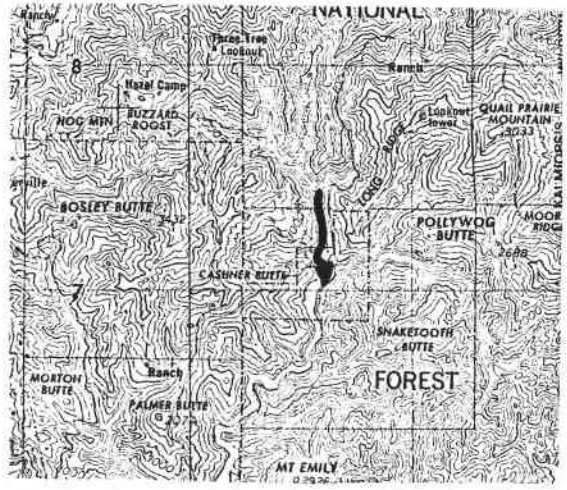
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1510 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-960-003-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.32, T38S, R12W
D.	Latitude, Longitude	42°14'N, 124°09'W
E.	Stream Name	Eagle Creek
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

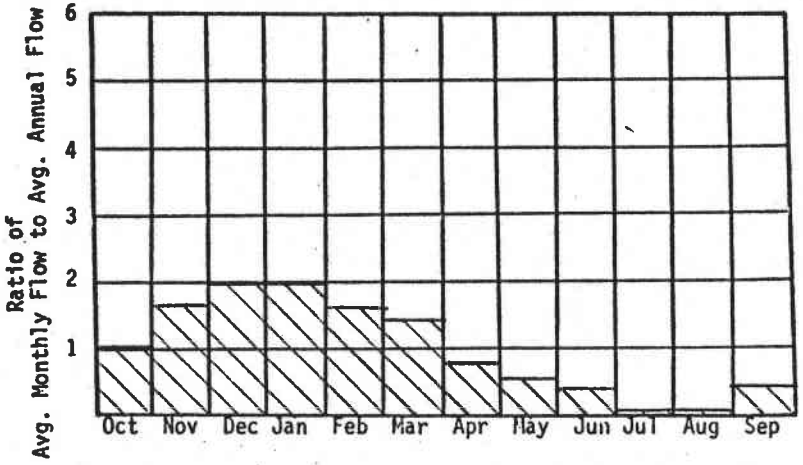
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	17.5	Sq.Mi.
F.	Inflow Classification	Natural	

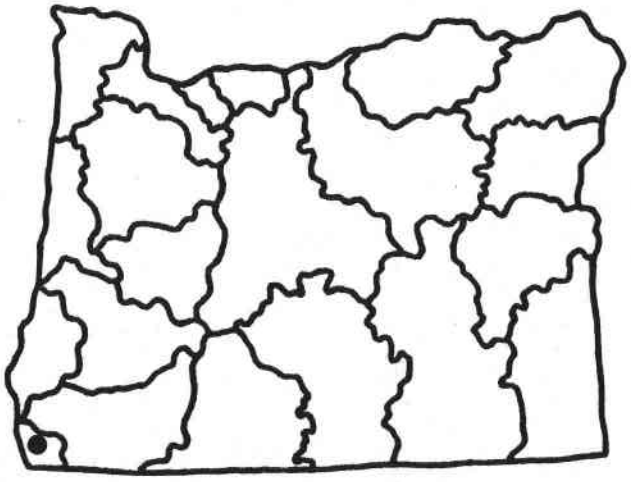
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	3.5	.02	.17	1.000
80	6.5	.04	.30	.941
50	38.7	.22	1.33	.699
30	109.3	.61	2.71	.506
10	330.7	1.85	4.88	.301

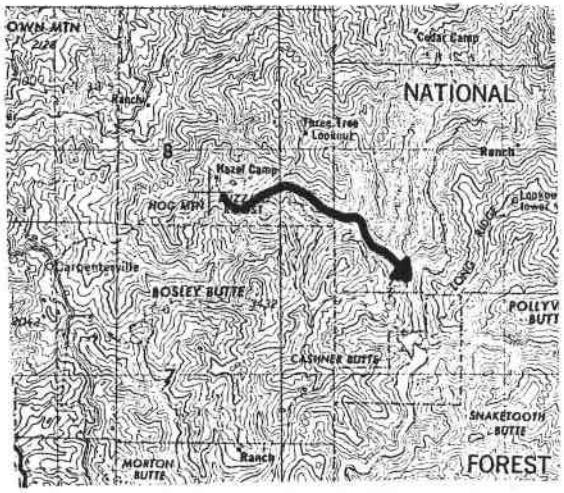
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 126 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-960-000-000-000-R0004

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.16, T38S, R12W
D.	Latitude, Longitude	42°16'N, 124°08'W
E.	Stream Name	Chetco River
F.	Major Basin Name	South Coast
G.	River Mile	20.9 to 30.9

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

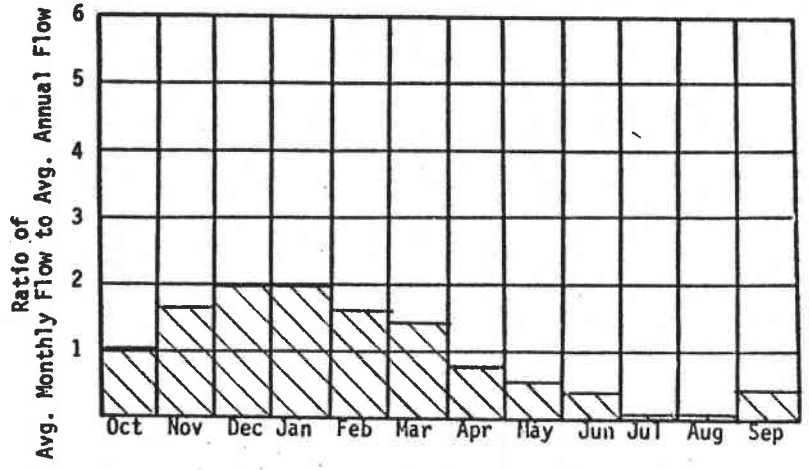
A.	Upstream Elevation of Reach	440	Ft. MSL
B.	Downstream Elevation of Reach	146	Ft. MSL
C.	Total Available Head in Reach	294	Ft.
D.	Average Slope in Reach	29.4	Ft./Mi.
E.	Drainage Area above Reach Mouth	173.6	Sq.Mi.
F.	Inflow Classification	Natural	

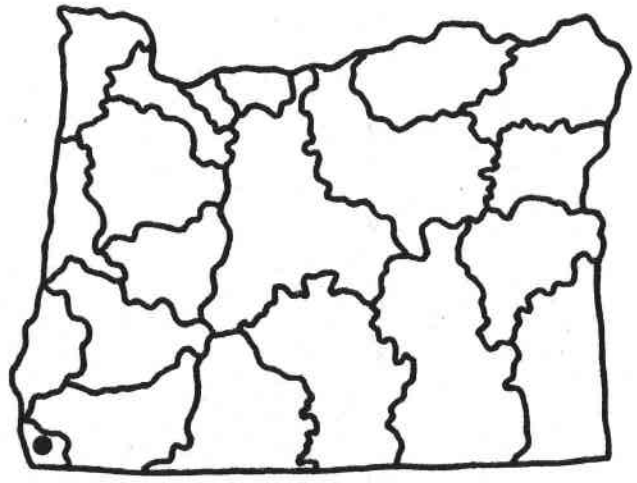
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	34.7	.87	7.58	1.000
80	65.7	1.64	13.49	.941
50	388.9	9.69	59.35	.699
30	1097.4	27.34	121.20	.506
10	3319.9	82.72	218.22	.301

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1476 CFS





U.S.G.S. TOPO. SERIES
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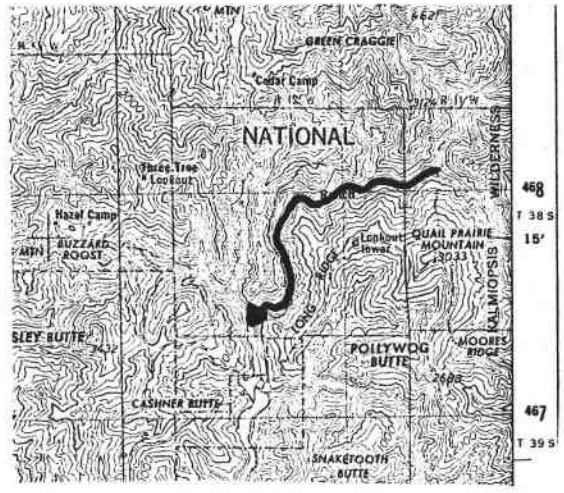
MAP NAME: COOS BAY



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-960-004-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.7, T38S, R11W
D.	Latitude, Longitude	42°17'N, 124°02'W
E.	Stream Name	Boulder Creek
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

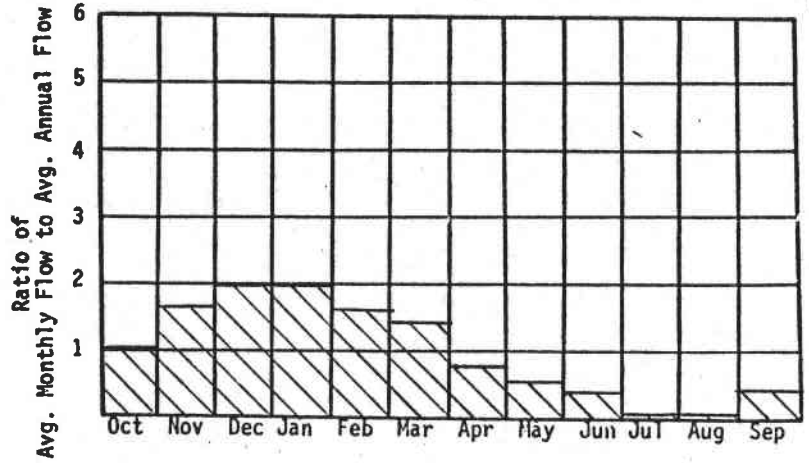
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	20	Sq.Mi.
F.	Inflow Classification	Natural	

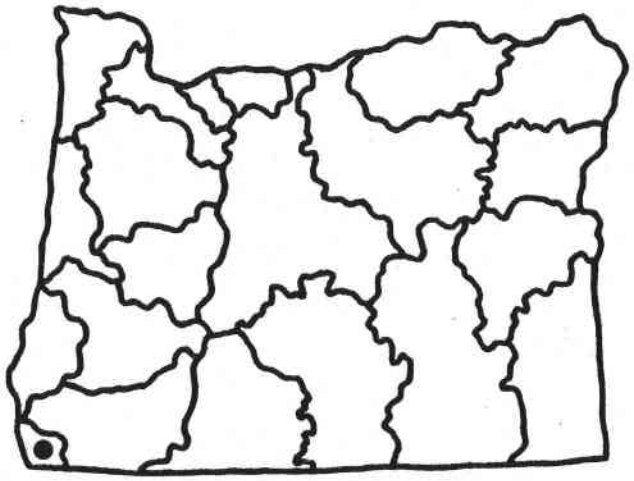
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	4.3	.02	.21	1.000
80	8.1	.05	.37	.941
50	47.8	.27	1.64	.699
30	134.9	.75	3.34	.506
10	408.1	2.28	6.02	.301

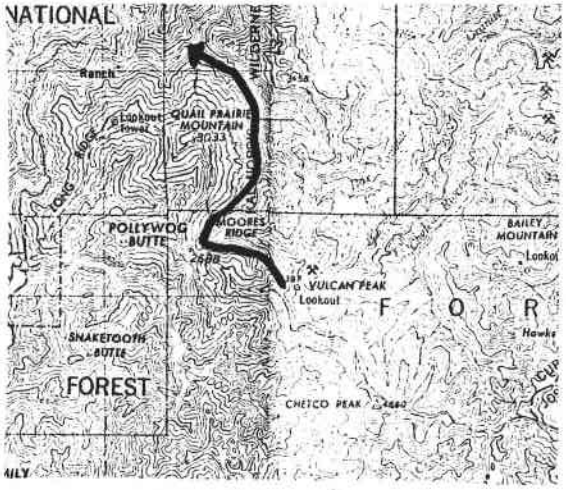
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 155 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-960-000-000-000-R0005

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.5, T38S, R11W
D.	Latitude, Longitude	42°18'N, 124°02'W
E.	Stream Name	Chetco River
F.	Major Basin Name	South Coast
G.	River Mile	30.9 to 33.7

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

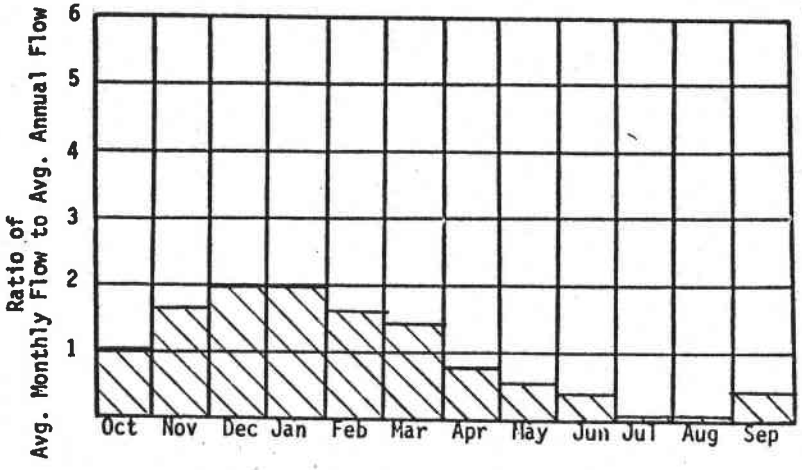
A.	Upstream Elevation of Reach	620	Ft. MSL
B.	Downstream Elevation of Reach	440	Ft. MSL
C.	Total Available Head in Reach	180	Ft.
D.	Average Slope in Reach	64.3	Ft./Mi.
E.	Drainage Area above Reach Mouth	126.5	Sq.Mi.
F.	Inflow Classification	Natural	

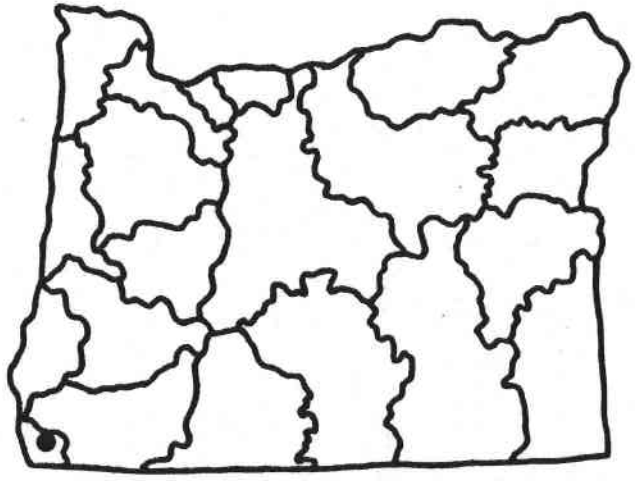
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	27.2	.42	3.64	1.000
80	51.5	.79	6.48	.941
50	305.0	4.65	28.50	.699
30	860.6	13.13	58.19	.506
10	2603.6	39.72	104.78	.301

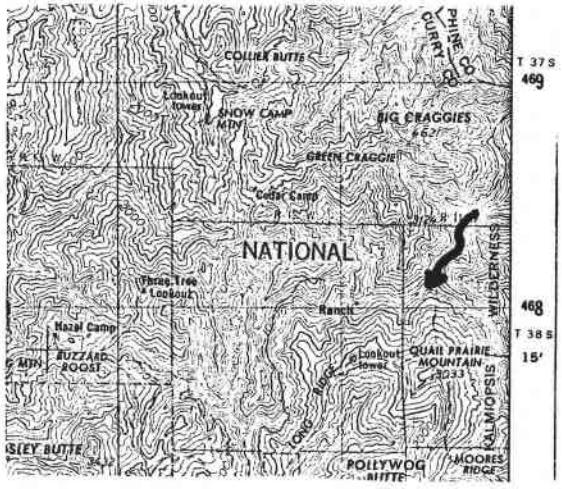
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 991 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-960-005-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	T37S, R11W
D.	Latitude, Longitude	42°19'N, 124°02'W
E.	Stream Name	Tincup Creek
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

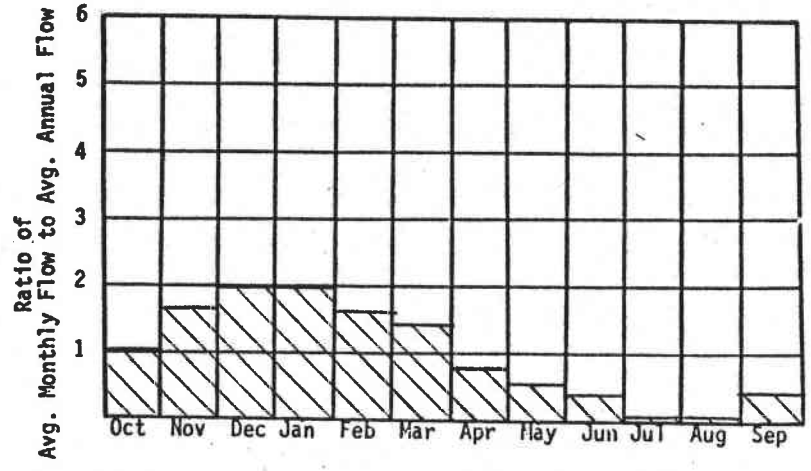
A.	Upstream Elevation of Reach	---	Ft. MSL
B.	Downstream Elevation of Reach	---	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	---	Ft./Mi.
E.	Drainage Area above Reach Mouth	20.9	Sq.Mi.
F.	Inflow Classification	Natural	

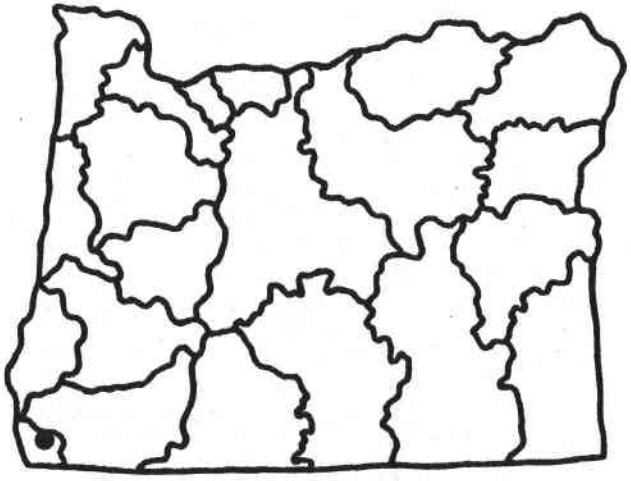
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	5.9	.03	.29	1.000
80	11.1	.06	.51	.941
50	65.8	.37	2.26	.699
30	185.7	1.04	4.60	.506
10	561.9	3.14	8.29	.301

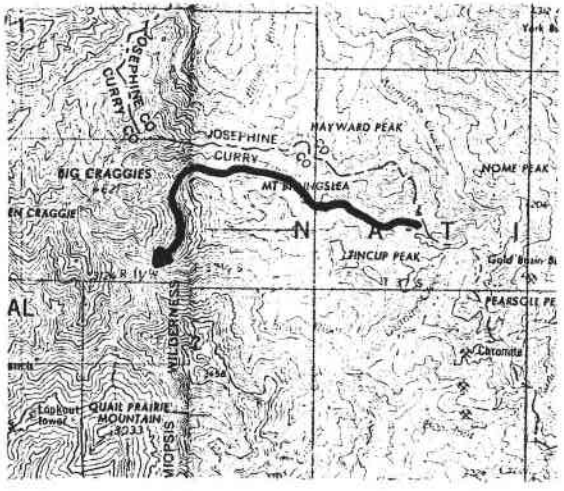
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 214 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-960-000-000-000-R0006

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.2, T38S, R11W
D.	Latitude, Longitude	42°18'N, 123°58'W
E.	Stream Name	Chetco River
F.	Major Basin Name	South Coast
G.	River Mile	33.7 to 40.4

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

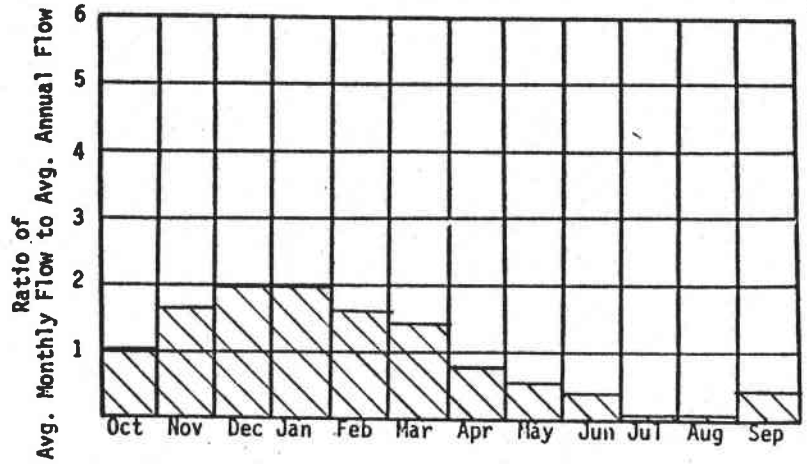
A.	Upstream Elevation of Reach	865	Ft. MSL
B.	Downstream Elevation of Reach	620	Ft. MSL
C.	Total Available Head in Reach	245	Ft.
D.	Average Slope in Reach	36.6	Ft./Mi.
E.	Drainage Area above Reach Mouth	94.6	Sq.Mi.
F.	Inflow Classification	Natural	

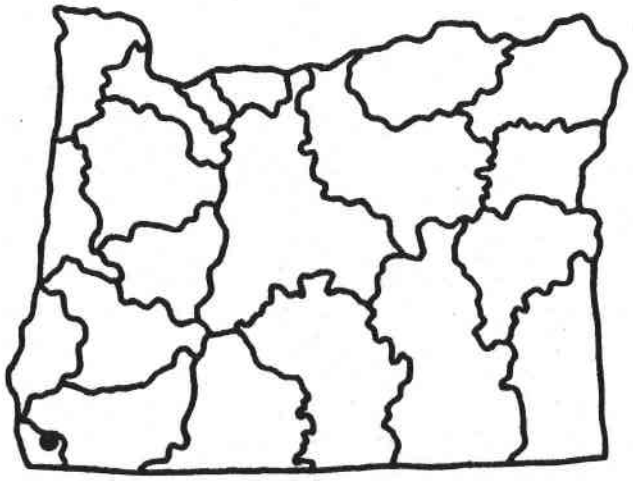
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	18.1	.38	3.29	1.000
80	34.2	.71	5.86	.941
50	202.8	4.21	25.78	.699
30	572.1	11.88	52.65	.506
10	1730.7	35.93	94.80	.301

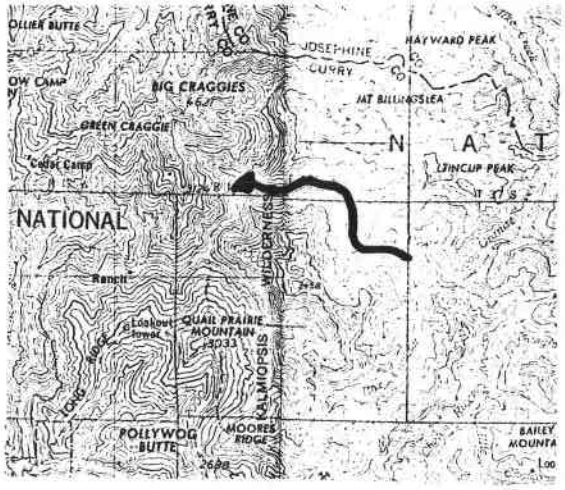
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 658 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-960-000-000-000-R0007

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.16, T38S, R10W
D.	Latitude, Longitude	42°16'N, 123°52'W
E.	Stream Name	Chetco River
F.	Major Basin Name	South Coast
G.	River Mile	40.4 to 50.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

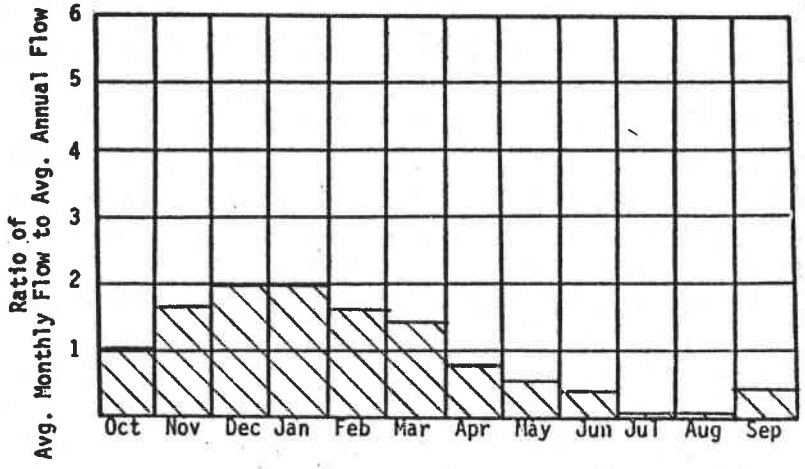
A.	Upstream Elevation of Reach	1640	Ft. MSL
B.	Downstream Elevation of Reach	865	Ft. MSL
C.	Total Available Head in Reach	775	Ft.
D.	Average Slope in Reach	80.7	Ft./Mi.
E.	Drainage Area above Reach Mouth	69.4	Sq.Mi.
F.	Inflow Classification	Natural	

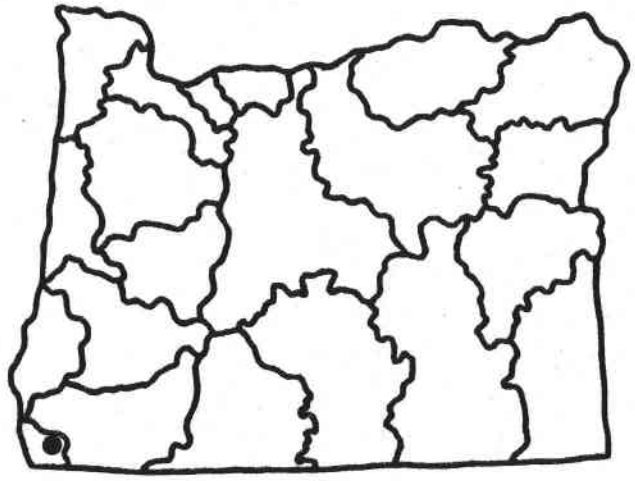
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	11.6	.76	6.65	1.000
80	21.9	1.44	11.83	.941
50	129.4	8.50	52.06	.699
30	365.2	23.98	106.31	.506
10	1104.7	72.56	191.41	.301

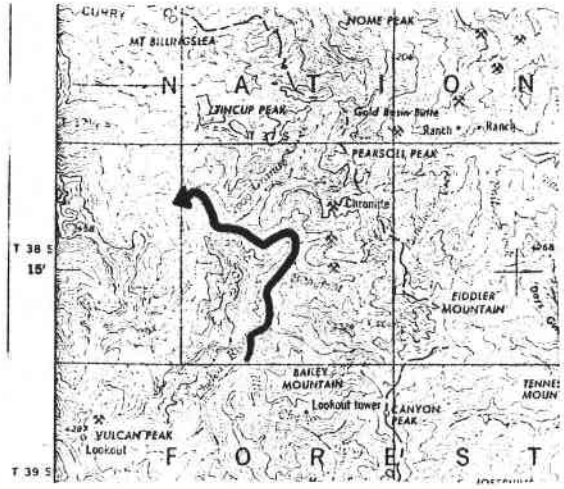
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 420 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-960-000-000-000-R0008

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.31, T38S, R10W
D.	Latitude, Longitude	42°13'N, 123°55'W
E.	Stream Name	Chetco River
F.	Major Basin Name	South Coast
G.	River Mile	50.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

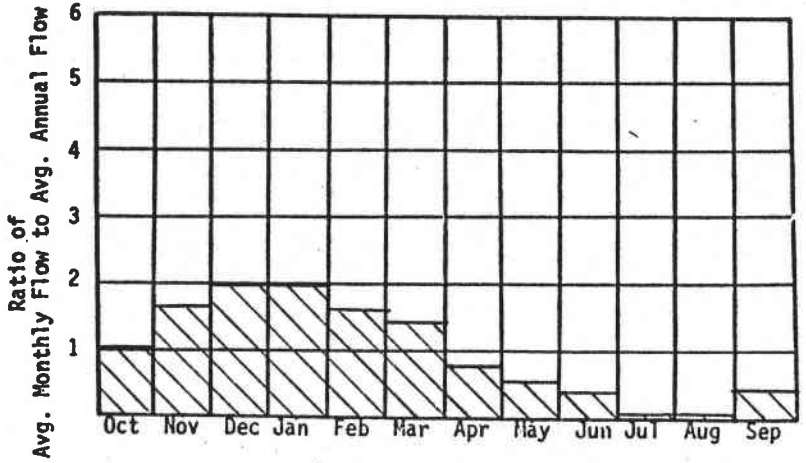
A.	Upstream Elevation of Reach	—	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	34.1	Sq.Mi.
F.	Inflow Classification	Natural	

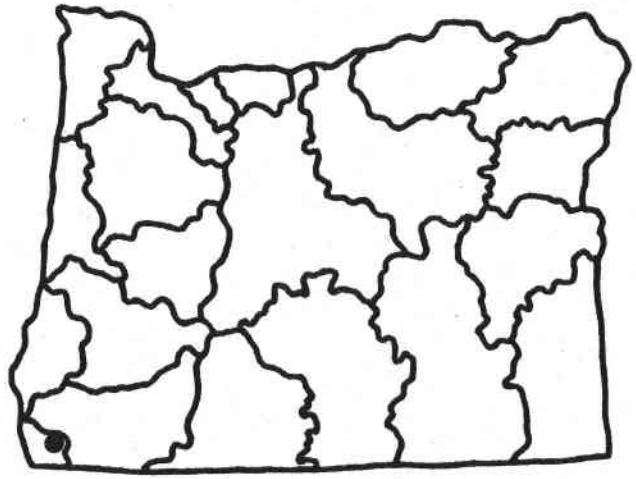
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	7.8	.04	.38	1.000
80	14.8	.08	.68	.941
50	87.6	.49	3.00	.699
30	247.0	1.38	6.12	.506
10	747.4	4.18	11.03	.301

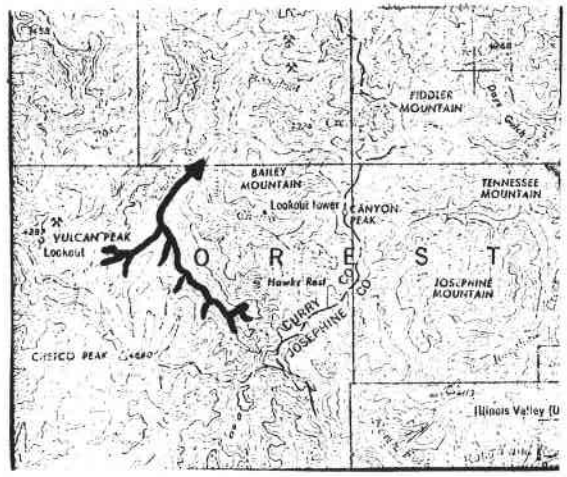
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 284 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-965-000-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.6, T41S, R12W
D.	Latitude, Longitude	42°02'N, 124°10'W
E.	Stream Name	Winchuck River
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to 10.3

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

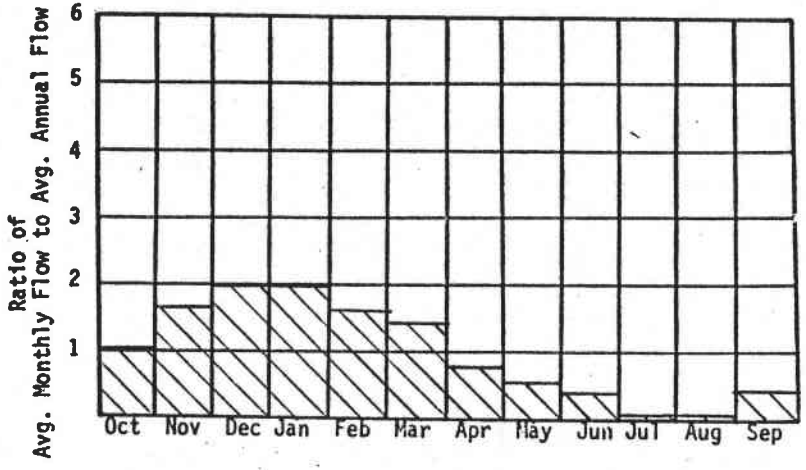
A.	Upstream Elevation of Reach	223	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	223	Ft.
D.	Average Slope in Reach	21.6	Ft./Mi.
E.	Drainage Area above Reach Mouth	55	Sq.Mi.
F.	Inflow Classification	Natural	

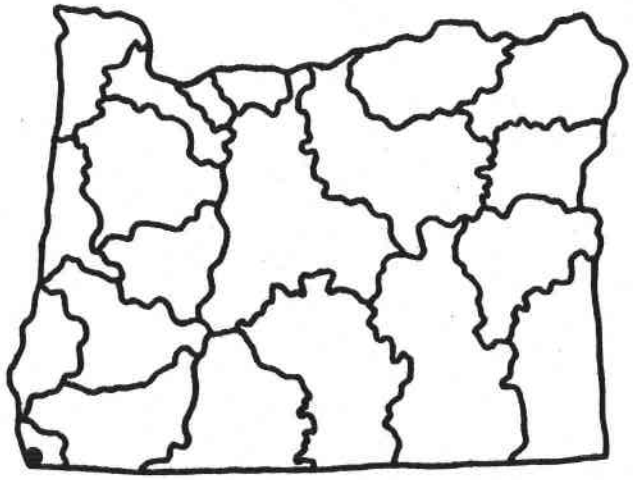
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	9.3	.17	1.53	1.000
80	17.5	.33	2.73	.941
50	103.6	1.96	12.00	.699
30	292.4	5.53	24.50	.506
10	884.7	16.72	44.11	.301

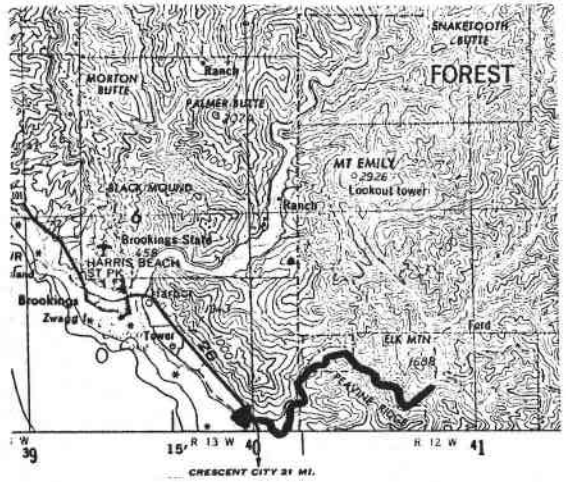
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 337 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-965-000-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.10, T41S,
D.	Latitude, Longitude	42°01'N, 124°06'W
E.	Stream Name	Winchuck River
F.	Major Basin Name	South Coast
G.	River Mile	10.3 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

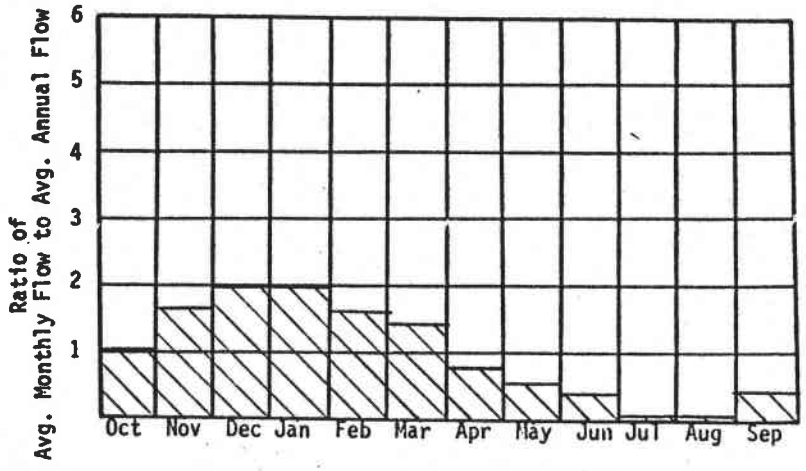
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	47.2	Sq.Mi.
F.	Inflow Classification	Natural	

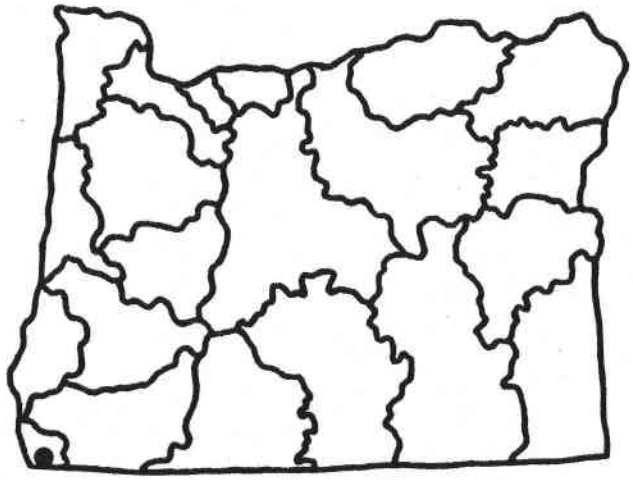
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	8.2	.05	.40	1.000
80	15.5	.09	.71	.941
50	91.5	.51	3.14	.699
30	258.2	1.44	6.40	.506
10	781.3	4.37	11.53	.301

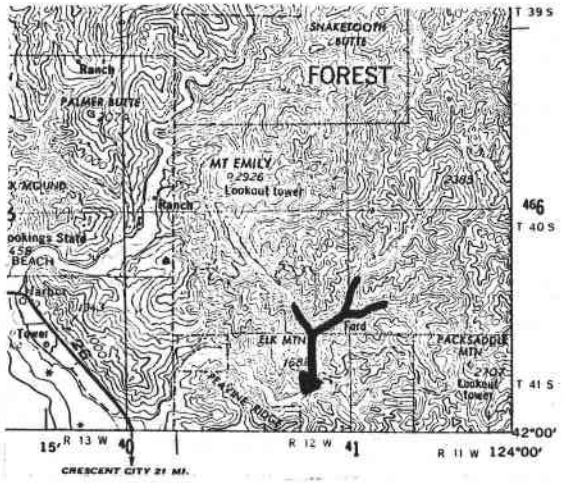
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 297 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-968-000-000-000-R0001

I. LOCATION

A. State	Oregon	
B. County	Curry	
C. Township, Range	Sec.14, T41S, R11W	
D. Latitude, Longitude	42°01'N, 123°58'W	
E. Stream Name	North Fork Smith River	
F. Major Basin Name	South Coast	
G. River Mile	California border to	2.4

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

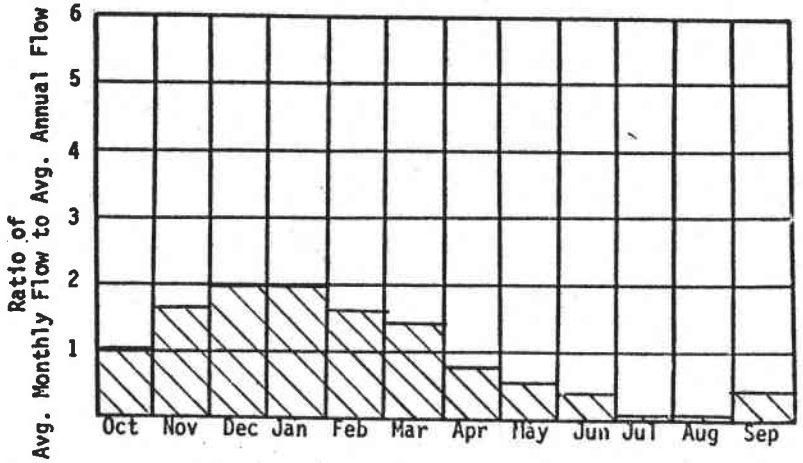
A. Upstream Elevation of Reach	1060	Ft. MSL
B. Downstream Elevation of Reach	920	Ft. MSL
C. Total Available Head in Reach	140	Ft.
D. Average Slope in Reach	58.3	Ft./Mi.
E. Drainage Area above Reach Mouth	71.5	Sq.Mi.
F. Inflow Classification	Natural	

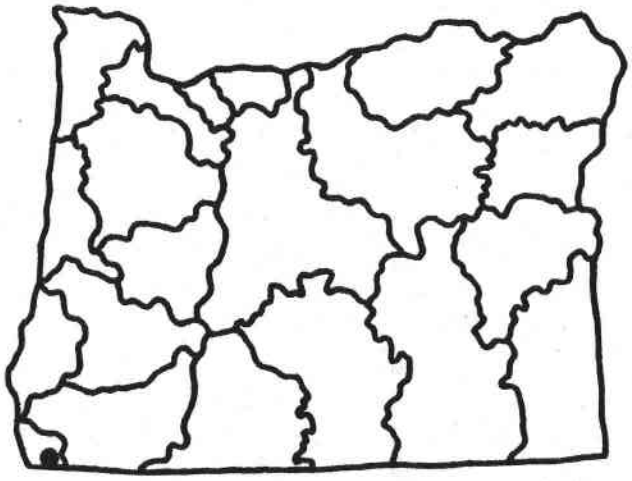
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	15.4	.18	1.60	1.000
80	29.1	.35	2.85	.941
50	172.3	2.04	12.52	.699
30	486.2	5.77	25.57	.506
10	1471.0	17.45	46.04	.301

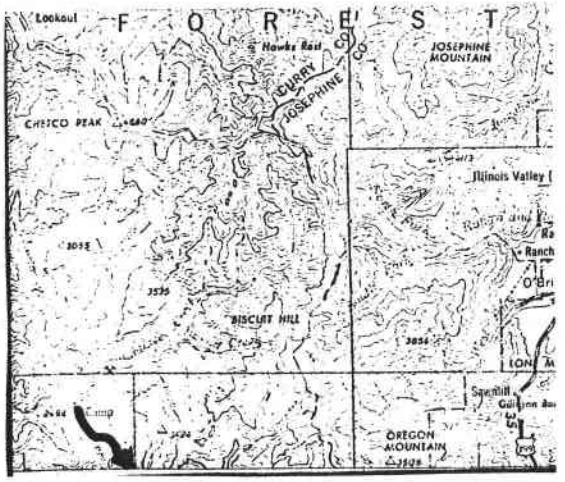
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 560 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-968-001-000-000-R0001

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	Sec.11, T41S, R11W
D.	Latitude, Longitude	42°02'N, 123°58'W
E.	Stream Name	Baldface Creek
F.	Major Basin Name	South Coast
G.	River Mile	0.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

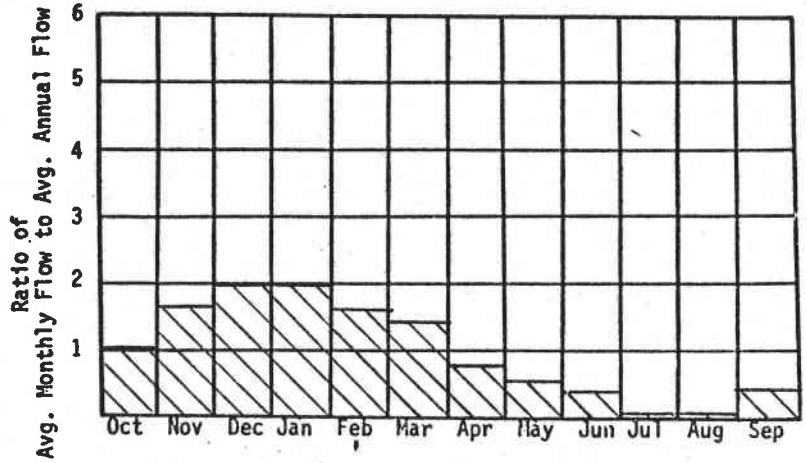
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	28.5	Sq.Mi.
F.	Inflow Classification	Natural	

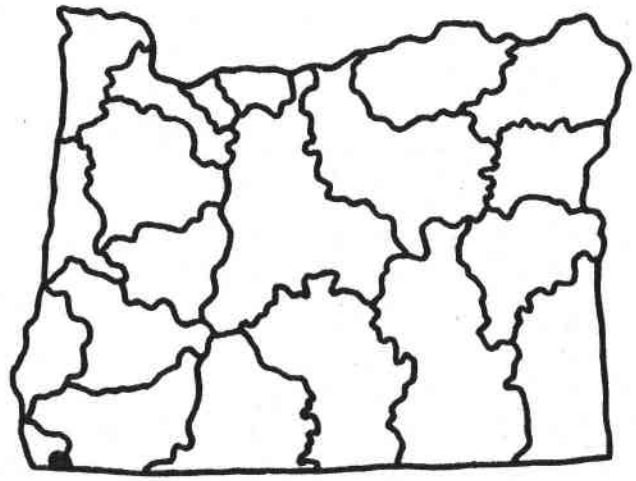
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.7	.04	.33	1.000
80	12.7	.07	.59	.941
50	75.3	.42	2.58	.699
30	212.4	1.19	5.27	.506
10	642.5	3.59	9.48	.301

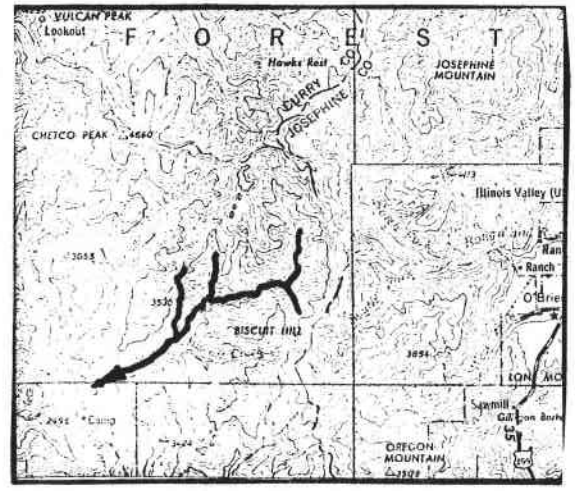
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 244 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-968-000-000-000-R0002

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	T41S, R11W
D.	Latitude, Longitude	42°03'N, 123°58'W
E.	Stream Name	North Fork Smith River
F.	Major Basin Name	South Coast
G.	River Mile	2.4 to 4.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

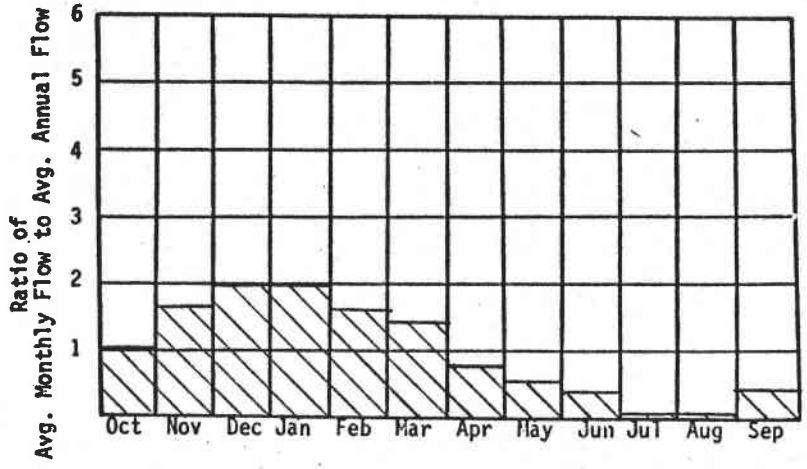
A.	Upstream Elevation of Reach	1200	Ft. MSL
B.	Downstream Elevation of Reach	1060	Ft. MSL
C.	Total Available Head in Reach	140	Ft.
D.	Average Slope in Reach	63.6	Ft./Mi.
E.	Drainage Area above Reach Mouth	33.0	Sq.Mi.
F.	Inflow Classification	Natural	

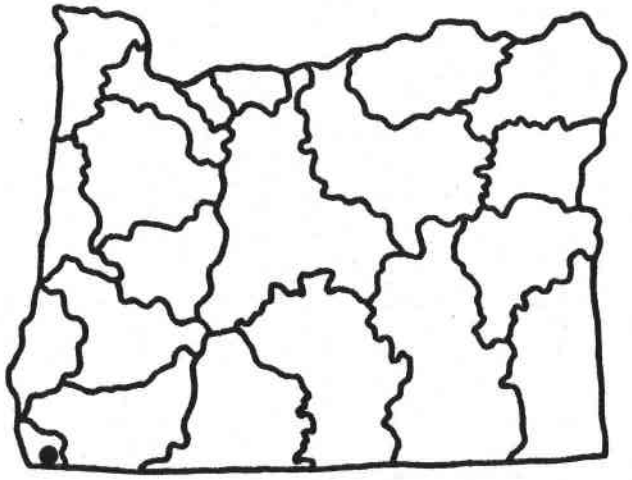
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.9	.08	.72	1.000
80	13.1	.16	1.28	.941
50	77.4	.92	5.63	.699
30	218.4	2.59	11.49	.506
10	660.8	7.84	20.68	.301

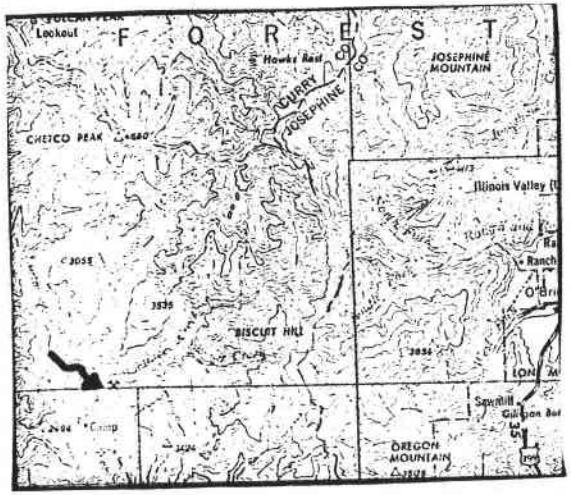
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 252 CFS





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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-968-000-000-000-R0003

I. LOCATION

A.	State	Oregon
B.	County	Curry
C.	Township, Range	T40S, R11W
D.	Latitude, Longitude	42°03'N, 123°58'W
E.	Stream Name	North Fork Smith River
F.	Major Basin Name	South Coast
G.	River Mile	4.6 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

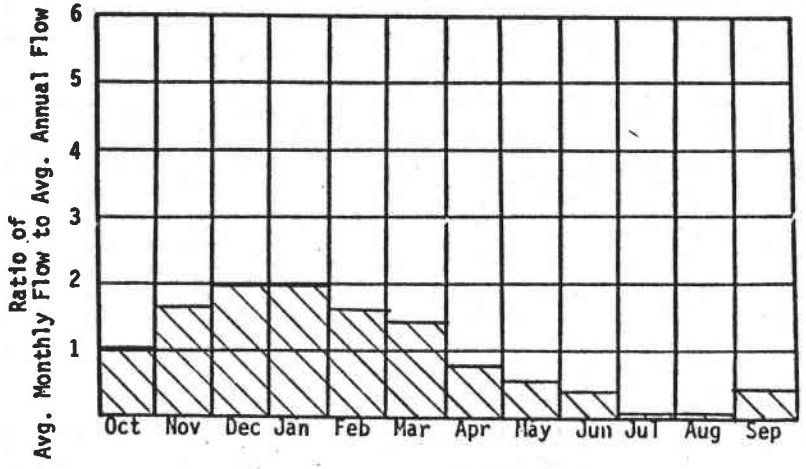
A.	Upstream Elevation of Reach	--	Ft. MSL
B.	Downstream Elevation of Reach	--	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	--	Ft./Mi.
E.	Drainage Area above Reach Mouth	27.3	Sq.Mi.
F.	Inflow Classification	Natural	

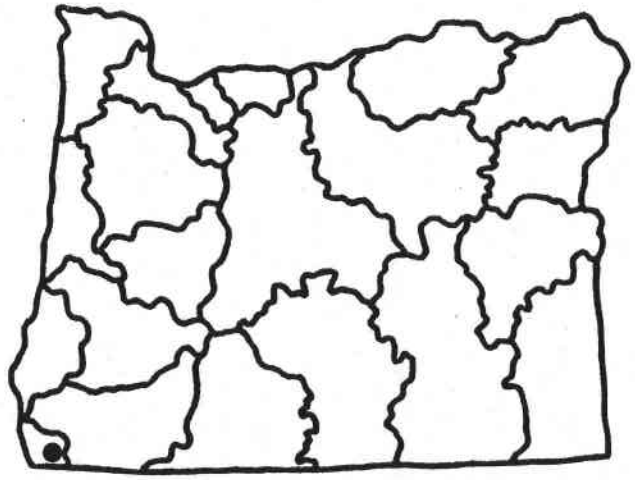
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

EXCEEDANCE PERCENTAGE	DISCHARGE CFS	THEORETICAL PLANT SIZE MW	ANNUAL ENERGY AVAILABLE GWH	PLANT FACTOR
95	6.3	.04	.31	1.000
80	11.9	.07	.55	.941
50	70.4	.39	2.41	.699
30	198.7	1.11	4.93	.506
10	601.2	3.36	8.87	.301

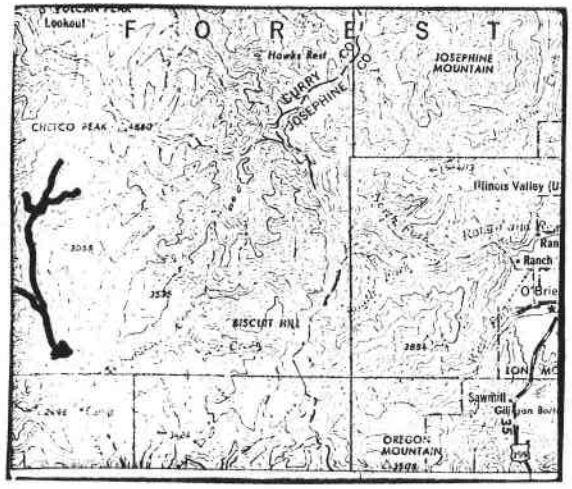
IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 229 CFS





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



FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-810-								
000-000-000-R0001	-	X	X	X	0.2	115-B	1,2	3.2
006-000-000-R0001	-	X	X	X	5.6	115-B	-	8.0
006-002-000-R0001	-	-	X	X	5.1	115-B	-	10.3
006-002-000-R0002	-	-	-	X	8.0	115-B	-	10.6
006-002-000-R0003	-	-	-	X	11.2	115-B	-	11.6
006-002-000-R0004	-	-	-	X	11.2	115-B	-	11.5
006-005-000-R0001	-	-	X	X	9.5	115-B	-	14.3
006-005-000-R0002	-	-	-	X	11.7	115-B	-	14.2
009-000-000-R0001	-	X	X	X	5.0	115-B	-	7.2
009-000-000-R0002	-	-	-	X	9.8	115-B	-	12.1
009-000-000-R0003	-	-	-	X	14.3	115-B	-	17.9
009-008-000-R0001	-	-	-	X	13.3	230-B	-	22.9
009-008-001-R0001	-	-	-	X	10.8	230-B	-	20.8

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-810-								
009-008-001-R0002	-	-	-	X	10.0	230-B	-	19.9
009-008-000-R0002	-	-	-	X	8.3	34.5-D-E	-	19.2
009-008-000-R0003	-	-	-	X	4.8	230-B	-	16.0
009-011-000-R0001	-	-	-	X	10.5	230-B	-	23.6
009-011-000-R0002	-	-	X	X	8.5	230-B	-	23.5
02-825-								
000-000-000-R0001	X	X	X	X	1.0	24.9-CC-C	1,2	2.7
000-000-000-R0002	X	X	X	X	0.2	20-PPL	-	5.9
000-000-000-R0003	-	X	X	X	0.5	23-PPL	1,2	0.3
000-000-000-R0005	-	X	X	X	0.3	115-B	1.2	5.2
004-000-000-R0001	-	X	-	X	1.6	115-B	-	8.4
004-003-000-R0001	-	X	-	X	1.8	115-B	-	9.2
004-003-000-R0002	-	X	X	X	1.0	230-B	-	12.9

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-825-								
004-003-000-R0003	-	X	X	X	0.5	230-B	-	16.2
004-003-000-R0004	-	X	-	X	0.8	230-B	-	17.2
004-000-000-R0003	-	X	-	X	0.6	230-B	-	4.8
004-005-000-R0001	-	X	-	X	0.1	24.9-CC-C	-	7.5
004-005-000-R0002	-	-	-	X	0.1	230-B	-	8.5
004-000-000-R0004	-	X	X	X	0.5	115-B	1	5.2
004-000-000-R0005	-	-	X	X	0.3	115-B	-	10.2
004-000-000-R0006	-	-	-	X	0.1	20-PPL	-	13.4
008-000-000-R0001	-	X	X	X	0.1	24.9-CC-C	1	1.0
008-003-000-R0001	-	X	X	X	0.2	24.9-CC-C	1	4.0
008-003-002-R0001	-	-	-	X	1.0	24.9-CC-C	-	8.7
008-003-002-R0002	-	-	-	X	1.5	24.9-CC-C	-	10.5
008-003-002-R0003	-	-	X	X	1.5	24.9-CC-C	-	10.5

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-825-								
008-003-000-R0002	-	X	X	X	0.9	24.9-CC-C	-	10.6
008-003-000-R0003	-	X	X	X	0.9	24.9-CC-C	-	17.0
008-003-001-R0001	-	-	-	X	2.2	24.9-CC-C	-	18.6
008-003-000-R0004	-	X	X	X	2.9	24.9-CC-C	-	3.0
008-003-000-R0005	-	X	X	X	3.9	24.9-CC-C	-	17.3
008-000-000-R0002	-	X	-	X	0.6	20-PPL	1	3.9
008-000-000-R0003	-	-	-	X	1.1	20-PPL	-	8.5
008-000-000-R0004	-	X	X	X	1.3	20-PPL	-	13.4
008-000-000-R0005	-	-	X	X	8.0	20-PPL	-	19.8
008-000-000-R0006	-	-	-	X	11.5	20-PPL	-	23.2
008-000-000-R0007	-	-	-	X	8.3	24.9-CC-C	-	20.9
02-835-								
000-000-000-R0001	-	X	-	X	0.6	115-B	-	10.7

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-835-								
000-000-000-R0002	-	-	-	X	5.2	115-B	-	12.0
002-000-000-R0001	-	-	-	-	5.7	115-B	-	12.8
002-000-000-R0002	-	-	-	-	5.0	115-B	-	12.5
02-840-								
000-000-000-R0001	-	X	X	X	0.2	115/230-B	1	3.7
000-000-000-R0002	-	-	-	X	5.0	115-B	-	5.6
000-000-000-R0003	-	-	-	X	9.8	20-PPL	-	10.8
000-000-000-R0004	-	-	-	X	7.9	20-PPL	-	12.9
02-845-								
000-000-000-R0001	-	X	X	X	0.5	115/230-B	1	1.5
000-000-000-R0002	-	-	-	X	2.5	115/230-B	-	5.3
000-000-000-R0003	-	-	-	X	7.2	115/230-B	-	10.0
000-000-000-R0004	-	-	-	X	9.0	115/230-B	-	12.4
02-850								
000-000-000-R0001	-	X	X	X	0.1	115-B	-	10.6
000-000-000-R0002	-	X	X	-	0.3	115/230-B	-	11.2

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-950-								
000-000-000-R0001	-	-	-	X	0.2	69-CC-C	1,2	1.0
02-955-								
000-000-000-R0001	-	-	-	X	0.7	115-CC-C	-	9.0
001-000-000-R0001	-	-	-	-	4.0	115-CC-C	-	11.0
000-000-000-R0002	-	-	-	X	6.2	115-CC-C	-	10.0
000-000-000-R0003	-	-	-	X	9.2	115-CC-C	-	11.0
02-960-								
000-000-000-R0001	-	X	X	X	2.5	115-CC-C	1,2	3.4
000-000-000-R0002	-	-	-	X	8.0	115-CC-C	-	9.5
002-000-000-R0001	-	-	-	X	9.0	115-CC-C	-	11.5
000-000-000-R0003	-	-	-	X	9.5	115-CC-C	-	12.0
003-000-000-R0001	-	-	-	X	10.0	69-CC-C	-	12.5
000-000-000-R0004	-	-	-	X	12.4	69-CC-C	-	16.0
004-000-000-R0001	-	-	-	-	16.0	69-CC-C	-	18.5

FEASIBILITY, TRANSMISSION AND LOAD RESTRAINTS

REACH IDENTIFICATION NUMBER	FEASIBILITY RESTRAINT				TRANSMISSION AND LOAD CONSIDERATIONS			
	LAND USE RESTRICTIONS	UTILITY DISPLACEMENT	BUILDING DISPLACEMENT	SPECIAL FISH PROBLEMS	DISTANCE TO NEAREST LINE Miles	LINE CAPACITY KVA	LOCAL MARKET	DISTANCE TO CITY >1000 Miles
02-960-								
000-000-000-R0005	-	-	-	-	15.5	115-CC-C	-	19.5
005-000-000-R0001	-	-	-	-	17.0	69-CC-C	-	21.0
000-000-000-R0006	-	-	-	-	20.0	115-CC-C	-	22.5
000-000-000-R0007	-	-	-	-	24.0	115-CC-C	-	25.0
000-000-000-R0008	-	-	-	-	21.0	115-CC-C	-	23.0
02-965-								
000-000-000-R0001	-	-	X	X	2.0	115-CC-C	-	6.0
000-000-000-R0002	-	-	-	X	4.5	115-CC-C	-	9.0
02-968-								
000-000-000-R0001	-	-	-	-	12.5	115-CC-C	-	16.5
001-000-000-R0001	-	-	-	-	13.0	115-CC-C	-	16.0
000-000-000-R0002	-	-	-	-	13.0	115-CC-C	-	16.5
000-000-000-R0003	-	-	-	-	13.0	115-CC-C	-	16.5