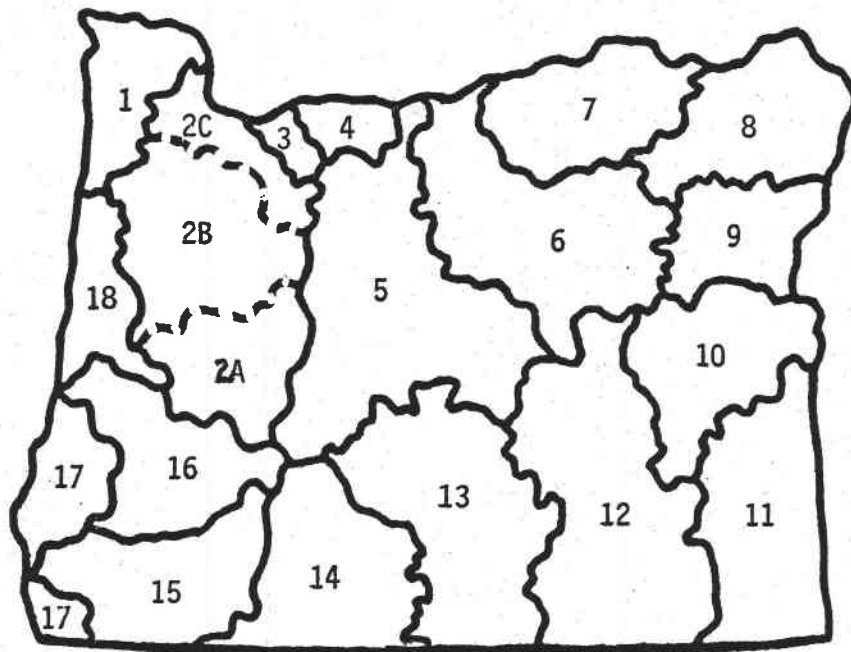


A RESOURCE SURVEY OF RIVER ENERGY
AND LOW-HEAD HYDROELECTRIC POWER POTENTIAL
IN OREGON

APPENDIX 18: MID-COAST BASIN



WATER RESOURCES RESEARCH INSTITUTE
Oregon State University
Corvallis, Oregon 97331

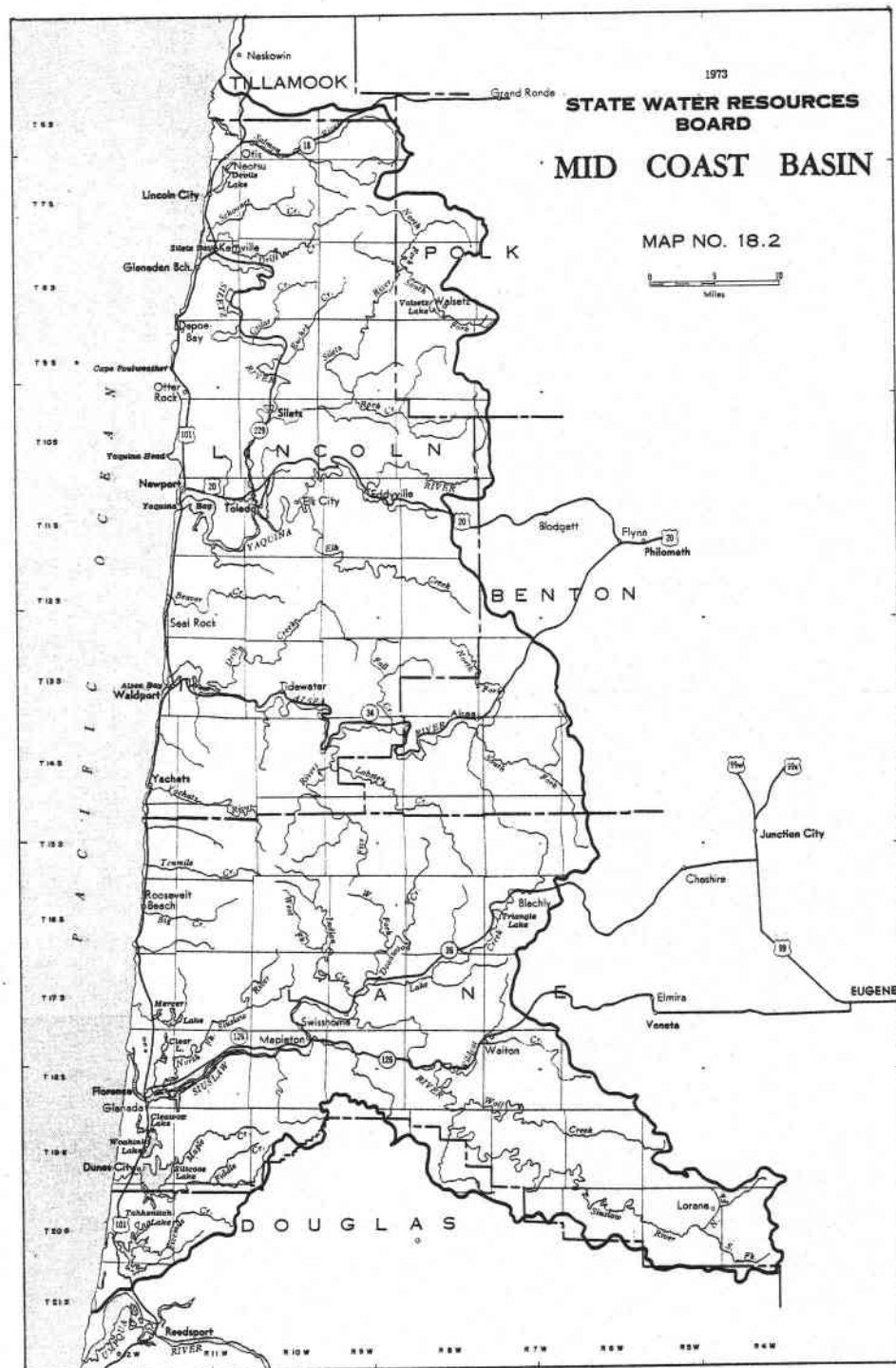
INDEX TO APPENDIX 18, MID-COAST BASIN

Drainage Basin Map 18-ii

Reach Hydro Potential Characteristics Sheets

Salmon River & Tribs.	18-1 to 18-5
Schooner Creek	18-6 to 18-7
Drift Creek	18-8 to 18-10
Siletz River & Tribs.	18-11 to 18-36
Yaquina River & Tribs.	18-37 to 18-51
Beaver Creek	18-52 to 18-53
Alsea River & Tribs.	18-54 to 18-81
Yachats River	18-82 to 18-83
Tenmile Creek	18-84 to 18-85
Big Creek	18-86 to 18-87
Siuslaw River & Tribs.	18-88 to 18-133
Siltcoos River & Tribs.	18-134 to 18-138
Tahkenitch Creek	18-139

Reach Feasibility Analysis Sheets 18-140 to 18-151



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-605-000-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 29, T6S, R10W
D. Latitude, Longitude	45°01'N, 123°55'W
E. Stream Name	Salmon River
F. Major Basin Name	Mid-Coast
G. River Mile	0.0 to 8.8

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

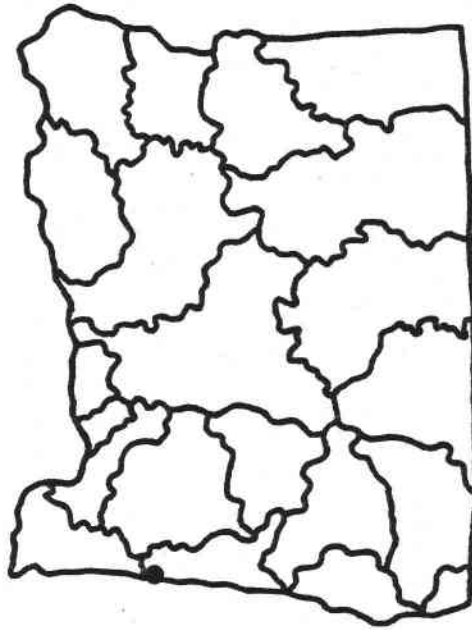
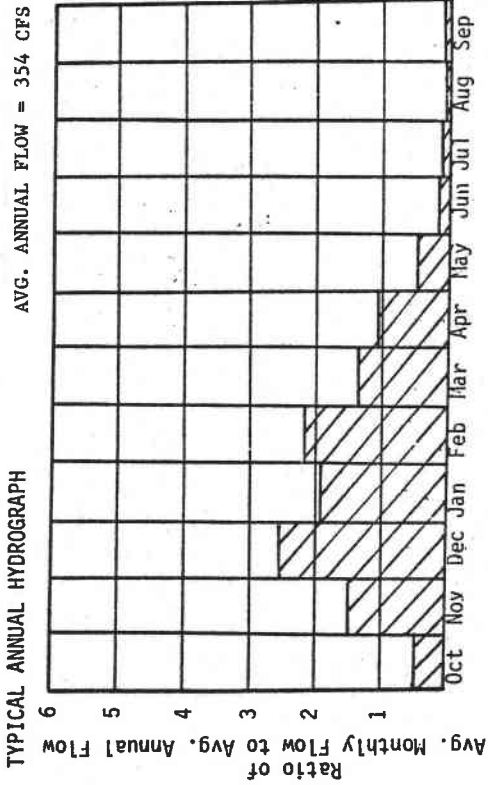
A. Upstream Elevation of Reach	100	Ft. MSL
B. Downstream Elevation of Reach	0	Ft. MSL
C. Total Available Head in Reach	100	Ft.
D. Average Slope in Reach	11.4	Ft./Mi.
E. Drainage Area above Reach Mouth	71.0	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

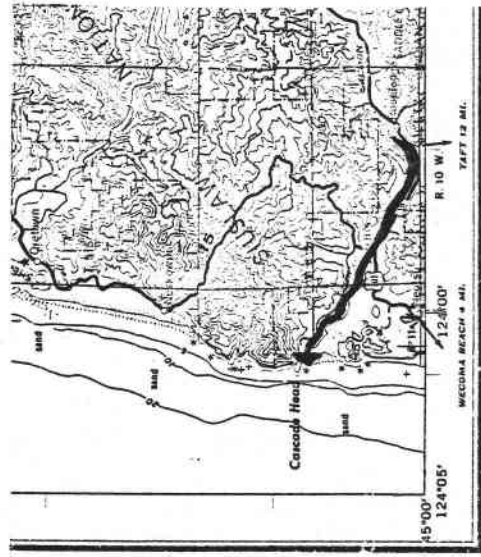
ENERGY CHARACTERISTICS

I EXCEEDANCE I PERCENTAGE I	I DISCHARGE I CFS I	I THEORETICAL I PLANT SIZE I MW I	I ANNUAL ENERGY I AVAILABLE I GWH I	I PLANT I FACTOR I
I 95 I	I 18.0 I	I .15 I	I 1.33 I	I 1.000 I
I 80 I	I 33.8 I	I .29 I	I 2.37 I	I .941 I
I 50 I	I 152.7 I	I 1.29 I	I 8.10 I	I .715 I
I 30 I	I 355.1 I	I 3.01 I	I 14.11 I	I .535 I
I 10 I	I 960.4 I	I 8.14 I	I 23.10 I	I .324 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-605-009-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 35, T6S, R10W
D. Latitude, Longitude	45°00'N, 123°52'W
E. Stream Name	Slick Rock Creek
F. Major Basin Name	Mid-Coast
G. River Mile	0.0 to 1.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

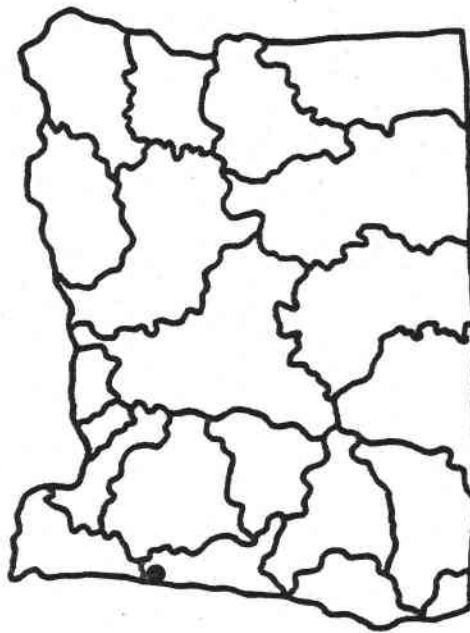
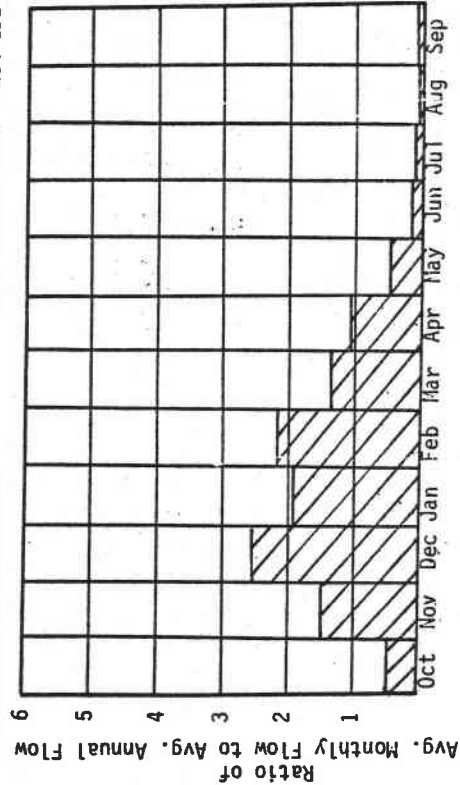
A. Upstream Elevation of Reach	260	Ft. MSL
B. Downstream Elevation of Reach	100	Ft. MSL
C. Total Available Head in Reach	160	Ft.
D. Average Slope in Reach	100	Ft./Mi.
E. Drainage Area above Reach Mouth	14	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I PERCENTAGE I	I DISCHARGE I CFS I	I THEORETICAL I PLANT SIZE I MW I	I ANNUAL ENERGY I AVAILABLE I GWH I	I PLANT I FACTOR I I
I 95 I	I 5.7 I	I .08 I	I .67 I	I 1.000 I
I 80 I	I 10.9 I	I .15 I	I 1.22 I	I .940 I
I 50 I	I 47.5 I	I .64 I	I 4.04 I	I .716 I
I 30 I	I 107.1 I	I 1.45 I	I 6.87 I	I .540 I
I 10 I	I 282.9 I	I 3.84 I	I 11.05 I	I .329 I

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 104 CFS



U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: VANCOUVER-SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-605-009-000-000-R0002

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 35, T6S, R10W
D. Latitude, Longitude	45°00'N, 123°50'W
E. Stream Name	Slick Rock Creek
F. Major Basin Name	Mid-Coast
G. River Mile	1.6 to H.W.

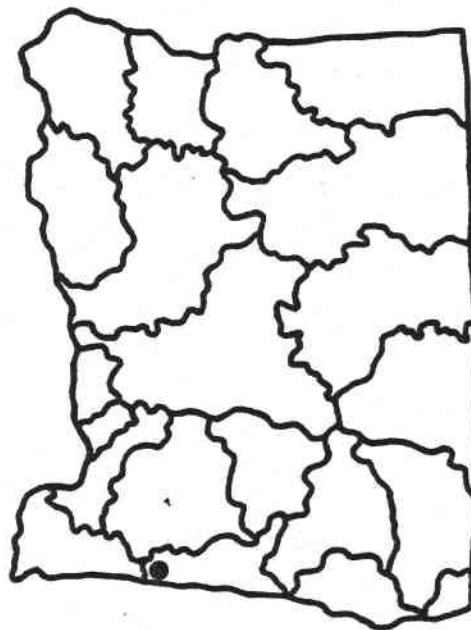
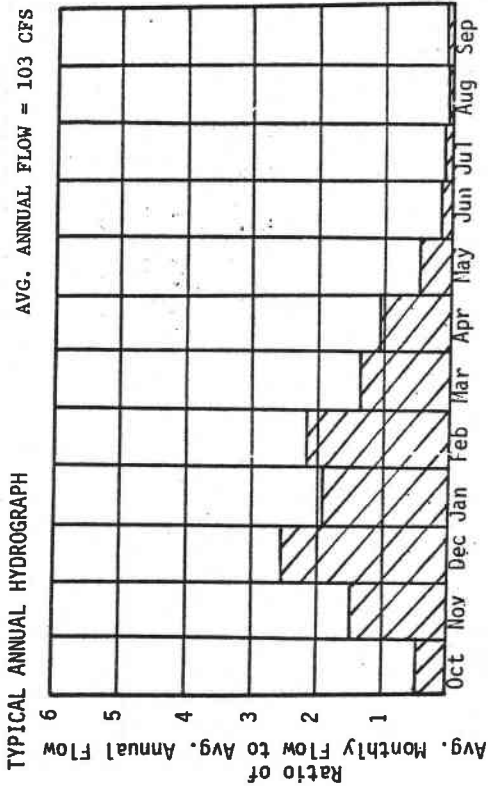
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

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	13	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 5.6 I	I .03 I	I .27 I	I 1.000 I
I 80 I	I 10.7 I	I .06 I	I .49 I	I .940 I
I 50 I	I 46.9 I	I .26 I	I 1.64 I	I .716 I
I 30 I	I 105.5 I	I .59 I	I 2.79 I	I .540 I
I 10 I	I 278.8 I	I 1.56 I	I 4.49 I	I .329 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-605-000-000-R0002

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 29, T6S, R9W
D. Latitude, Longitude	45°02'N, 123°50'W
E. Stream Name	Salmon River
F. Major Basin Name	Mid-Coast
G. River Mile	8.8 to 16.3

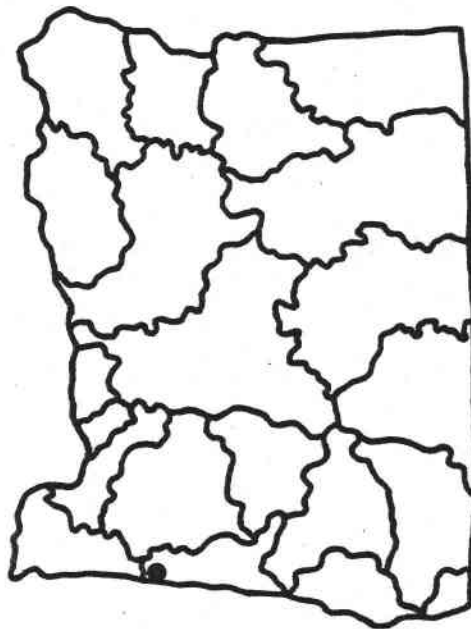
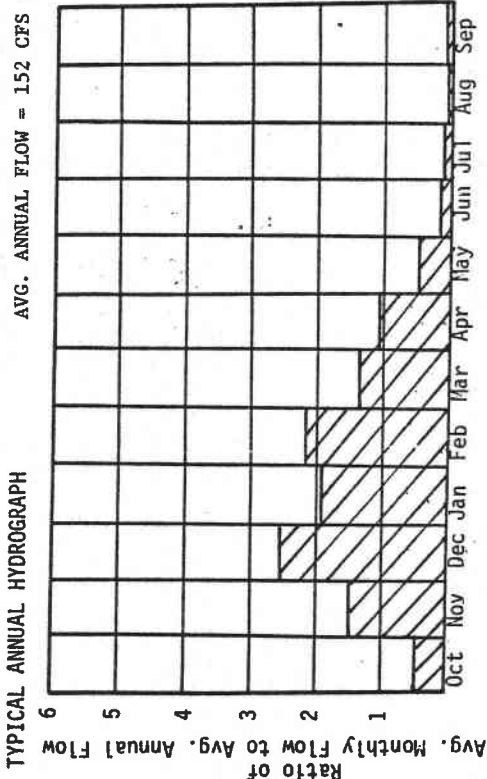
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	470	Ft. MSL
B. Downstream Elevation of Reach	100	Ft. MSL
C. Total Available Head in Reach	370	Ft.
D. Average Slope in Reach	49.3	Ft./Mi.
E. Drainage Area above Reach Mouth	30	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

EXCEEDANCE I	DISCHARGE I	THEORETICAL I	ANNUAL ENERGY I	PLANT I
PERCENTAGE I	CFS I	PLANT SIZE I	AVAILABLE I	FACTOR I
I	I	MW I	GWH I	I
I 95	I 8.0 I	I .25 I	I 2.21 I	I 1.000 I
I 80	I 15.4 I	I .48 I	I 3.97 I	I .940 I
I 50	I 67.7 I	I 2.12 I	I 13.31 I	I .716 I
I 30	I 154.1 I	I 4.83 I	I 22.80 I	I .539 I
I 10	I 410.0 I	I 12.86 I	I 36.86 I	I .327 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



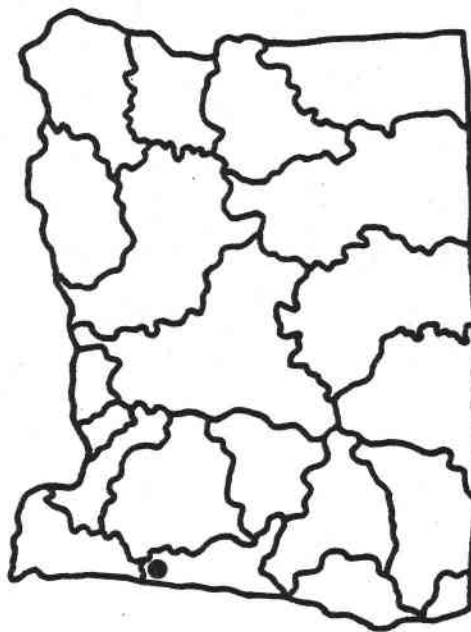
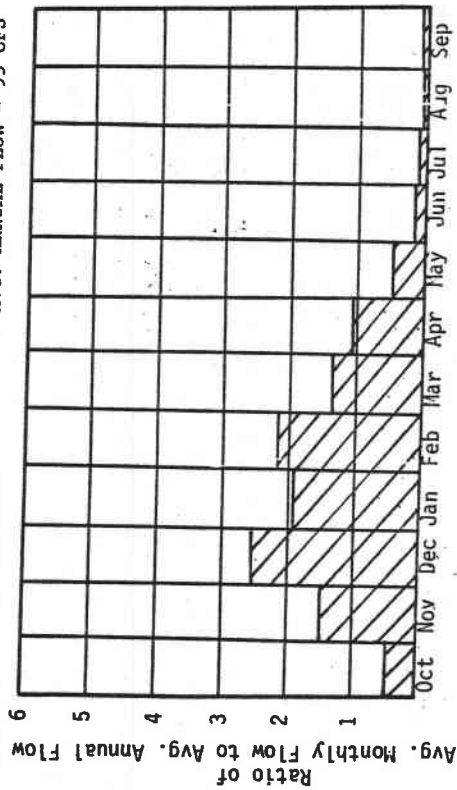
REACH # 02-605-000-000-000-R0003

A. State	Oregon
B. County	Lincoln
C. Township	Sec. 15, T6S, R9W
D. Latitude, Longitude	45° 03' N, 123° 47' W
E. Stream Name	Salmon River
F. Major Basin Name	Mid-Coast
G. River Mile	16.3 to H.W.

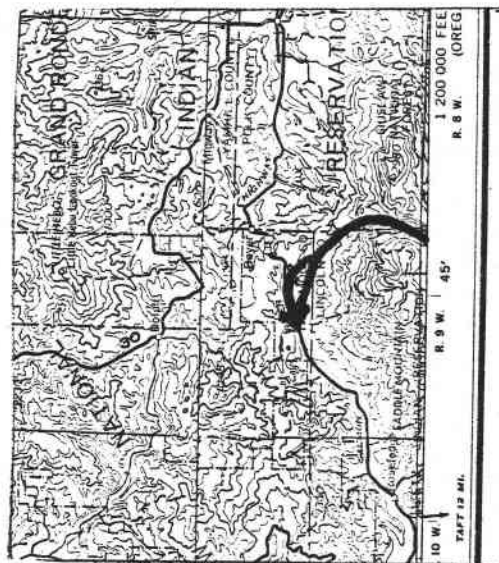
A.	Upstream Elevation of Reach	---	Ft. MSL
B.	Downstream Elevation of Reach	---	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	---	Ft./Mi.
E.	Drainage Area above Reach Mouth	11	Sq.Mi.
F.	Inflow Classification	Natural	

I	EXCEEDANCE	I	DISCHARGE	I	THEORETICAL	I	ANNUAL ENERGY	I	PLANT	I
I	PERCENTAGE	I	CFS	I	PLANT SIZE	I	AVAILABLE	I	FACTOR	I
I		I		I	MW	I	GMH	I		I
I	95	I	5.2	I	.03	I	.25	I	1.000	I
I	80	I	10.0	I	.06	I	.46	I	.940	I
I	50	I	43.6	I	.24	I	1.53	I	.717	I
I	30	I	98.1	I	.55	I	2.60	I	.541	I
I	10	I	258.8	I	1.45	I	4.17	I	.329	I

AVG. ANNUAL FLOW = 95 CFS



U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: VANCOUVER-SALEM



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-610-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 25, T7S, R11W
D. Latitude, Longitude	44°55'N, 123°59'W
E. Stream Name	Schooner Creek
F. Major Basin Name	Mid-Coast
G. River Mile	0.0 to 5.7

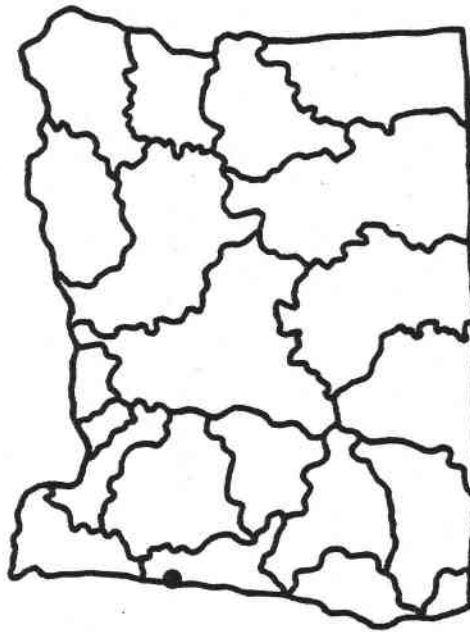
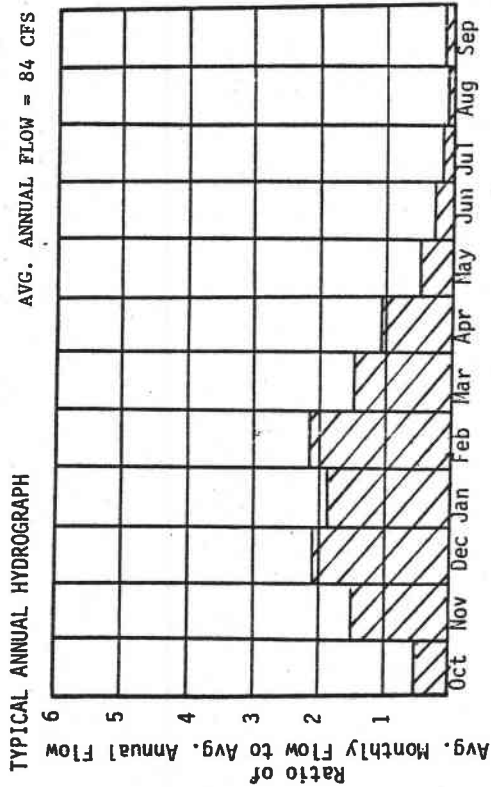
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	100	Ft. MSL
B. Downstream Elevation of Reach	0	Ft. MSL
C. Total Available Head in Reach	100	Ft.
D. Average Slope in Reach	17.5	Ft./Mi.
E. Drainage Area above Reach Mouth	17.5	Sq. Mi.
F. Inflow Classification	Natural	

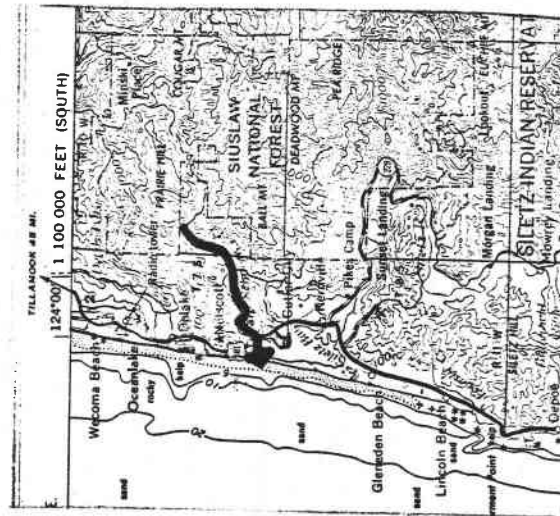
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I PERCENTAGE I	I DISCHARGE I CFS	I THEORETICAL I PLANT SIZE I MW	I ANNUAL ENERGY I AVAILABLE I GWH	I PLANT I FACTOR I
I 95	I 4.6	I .04	I .34	I 1.000
I 80	I 9.0	I .08	I .62	I .940
I 50	I 38.8	I .33	I 2.07	I .717
I 30	I 87.0	I .74	I 3.50	I .541
I 10	I 229.0	I 1.94	I 5.61	I .330

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-610-000-000-000-R0002

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 19, T7S, R10W
D. Latitude, Longitude	44°56'N, 123°57'W
E. Stream Name	Schooner Creek
F. Major Basin Name	Mid-Coast
G. River Mile	5.7 to H.W.

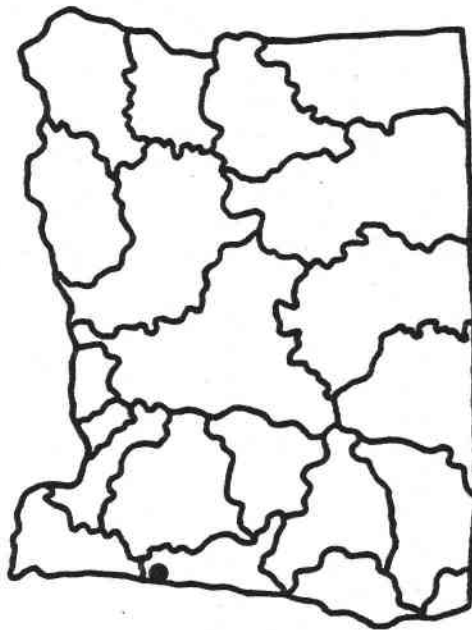
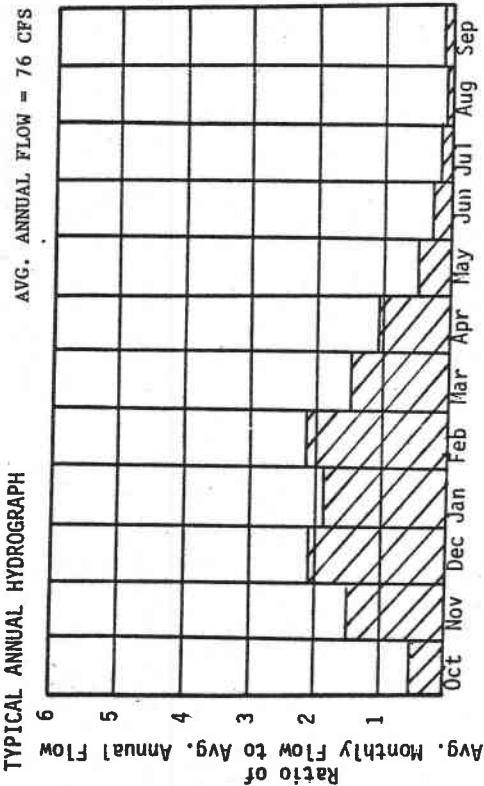
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

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	13.6	Sq. Mi.
F. Inflow Classification	Natural	

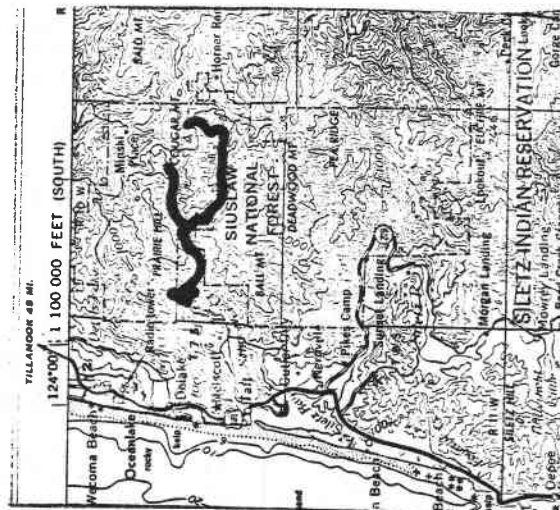
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 4.2 I	I .02 I	I .20 I	I 1.000 I
I 80 I	I 8.1 I	I .05 I	I .37 I	I .939 I
I 50 I	I 35.0 I	I .20 I	I 1.23 I	I .717 I
I 30 I	I 78.1 I	I .44 I	I 2.07 I	I .542 I
I 10 I	I 205.2 I	I 1.15 I	I 3.32 I	I .330 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



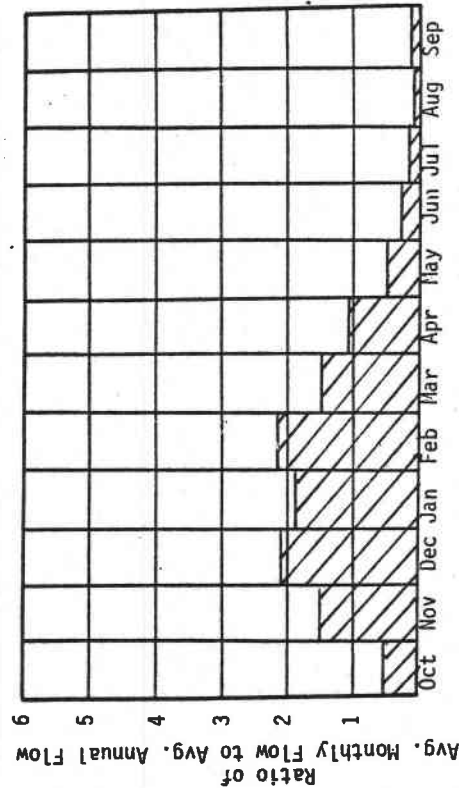
REACH # 02-615-000-000-R0001

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec.1, T7S, R10W
D. Latitude, Longitude	44° 54' N, 123° 58' W
E. Stream Name	Drift Creek
F. Major Basin Name	Mid-Coast
G. River Mile	0.0 to 10.2

A.	Upstream Elevation of Reach	280	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	280	Ft.
D.	Average Slope in Reach	27.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	40.0	Sq.Mi.
F.	Inflow Classification	Natural	

I	EXCEEDANCE	I	DISCHARGE	I	THEORETICAL	I	ANNUAL ENERGY	I	PLANT
I	PERCENTAGE	I	CFS	I	PLANT SIZE	I	AVAILABLE	I	FACTOR
I	I	I	I	I	MW	I	GWH	I	I
I	95	I	10.9	I	.26	I	2.27	I	1.000
I	80	I	20.7	I	.49	I	4.05	I	.941
I	50	I	92.2	I	2.19	I	13.70	I	.715
I	30	I	211.5	I	5.02	I	23.62	I	.537
I	10	I	566.1	I	13.43	I	38.37	I	.326

AVG. ANNUAL FLOW = 208 CFS



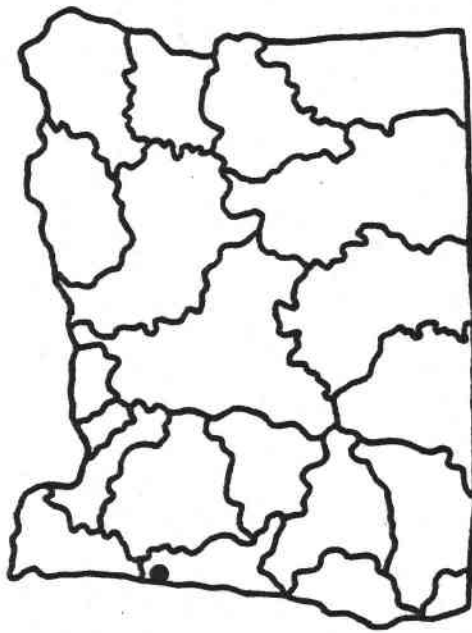
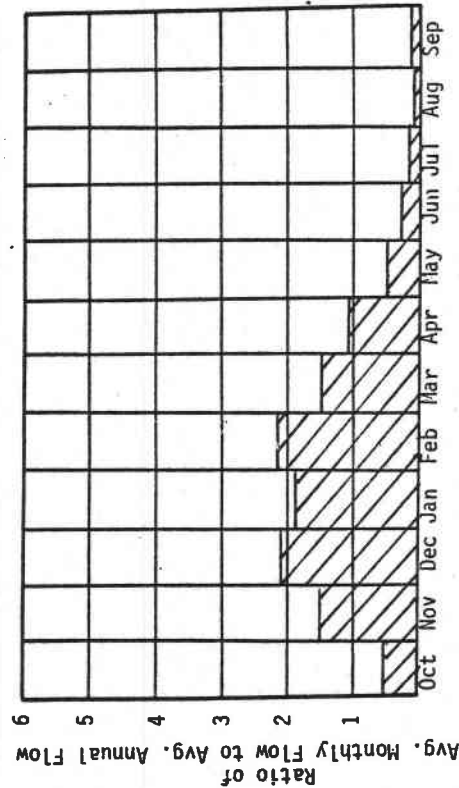
REACH # 02-615-000-000-R0001

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec.1, T7S, R10W
D. Latitude, Longitude	44° 54' N, 123° 58' W
E. Stream Name	Drift Creek
F. Major Basin Name	Mid-Coast
G. River Mile	0.0 to 10.2

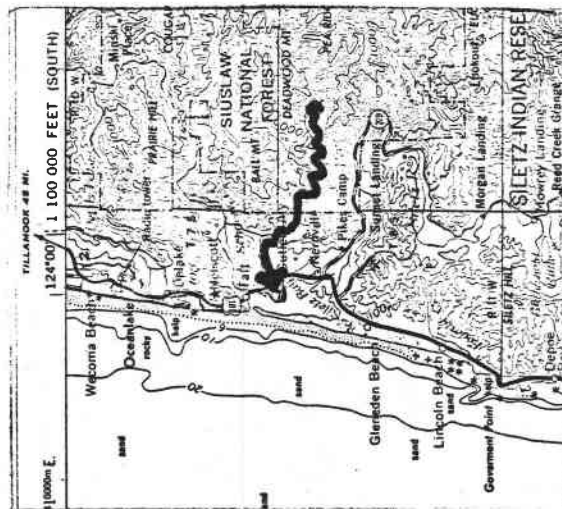
A.	Upstream Elevation of Reach	280	Ft. MSL
B.	Downstream Elevation of Reach	0	Ft. MSL
C.	Total Available Head in Reach	280	Ft.
D.	Average Slope in Reach	27.5	Ft./Mi.
E.	Drainage Area above Reach Mouth	40.0	Sq.Mi.
F.	Inflow Classification	Natural	

I	EXCEEDANCE	I	DISCHARGE	I	THEORETICAL	I	ANNUAL ENERGY	I	PLANT
I	PERCENTAGE	I	CFS	I	PLANT SIZE	I	AVAILABLE	I	FACTOR
I	I	I	I	I	MW	I	GWH	I	I
I	95	I	10.9	I	.26	I	2.27	I	1.000
I	80	I	20.7	I	.49	I	4.05	I	.941
I	50	I	92.2	I	2.19	I	13.70	I	.715
I	30	I	211.5	I	5.02	I	23.62	I	.537
I	10	I	566.1	I	13.43	I	38.37	I	.326

AVG. ANNUAL FLOW = 208 CFS



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-615-000-000-R0002

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 3, T8S, R10W
D. Latitude, Longitude	44°53'N, 123°54'W
E. Stream Name	Drift Creek
F. Major Basin Name	Mid-Coast
G. River Mile	10.2 to 15.3

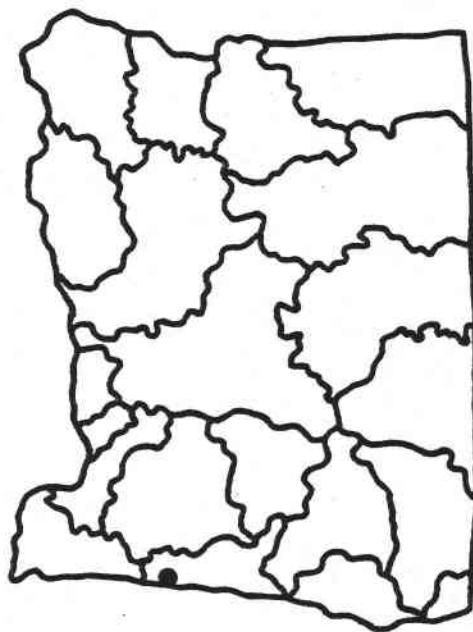
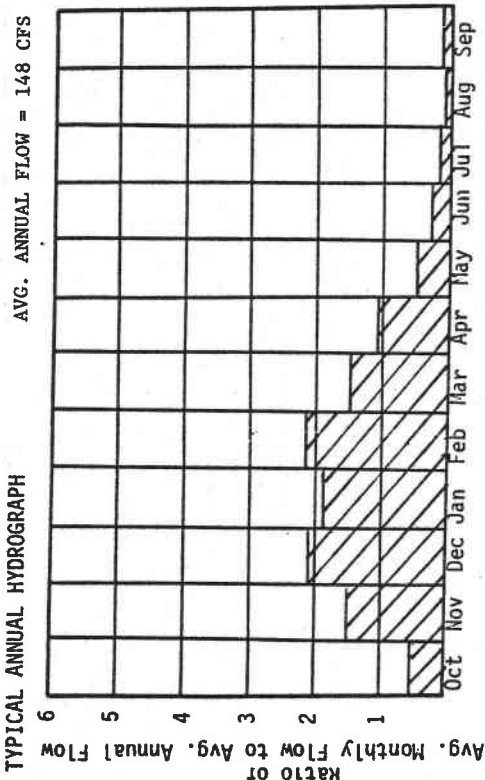
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	435	Ft. MSL
B. Downstream Elevation of Reach	280	Ft. MSL
C. Total Available Head in Reach	155	Ft.
D. Average Slope in Reach	30.4	Ft./Mi.
E. Drainage Area above Reach Mouth	24.2	Sq. Mi.
F. Inflow Classification	Natural	

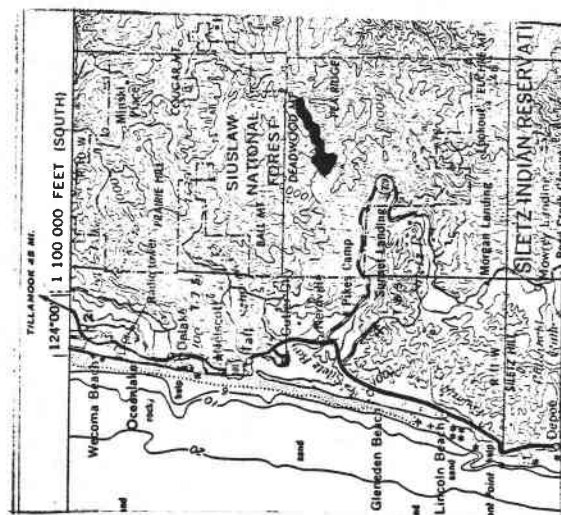
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I PERCENTAGE I	I DISCHARGE I CFS I	I THEORETICAL I PLANT SIZE I MW I	I ANNUAL ENERGY I AVAILABLE I GWH I	I PLANT I FACTOR I
I 95 I	I 7.8 I	I .10 I	I .90 I	I 1.000 I
I 80 I	I 15.0 I	I .20 I	I 1.62 I	I .940 I
I 50 I	I 66.1 I	I .87 I	I 5.44 I	I .716 I
I 30 I	I 150.2 I	I 1.97 I	I 9.32 I	I .539 I
I 10 I	I 399.6 I	I 5.25 I	I 15.05 I	I .327 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-615-000-000-R0003

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 1, T8S, R10W
D. Latitude, Longitude	44°55'N, 123°51'W
E. Stream Name	Drift Creek
F. Major Basin Name	Mid-Coast
G. River Mile	15.3 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	10.7	Sq. Mi.
F. Inflow Classification	Natural	

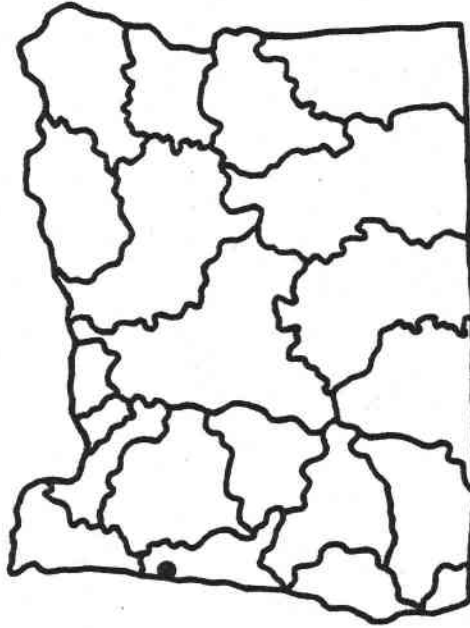
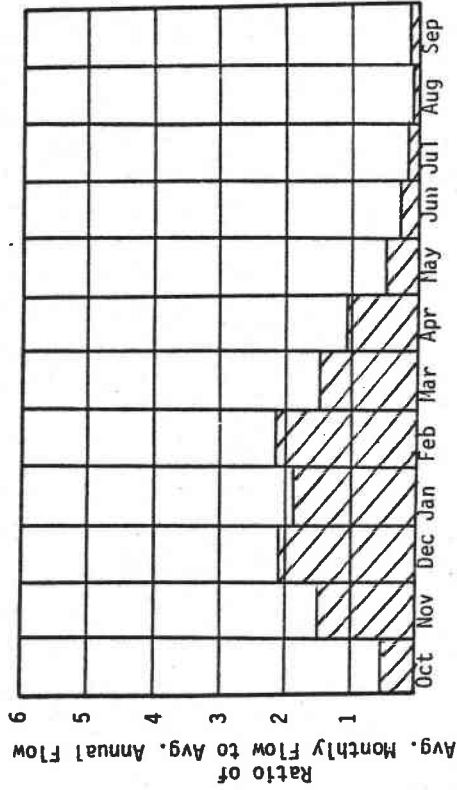
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

ENERGY CHARACTERISTICS

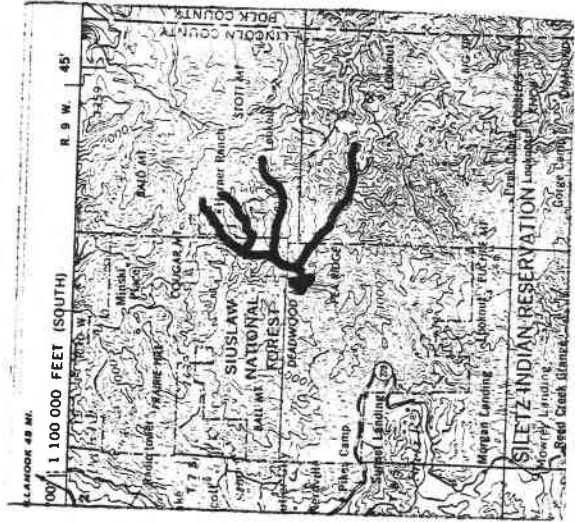
I	PERCENTAGE	I	DISCHARGE	I	THEORETICAL	I	ANNUAL ENERGY	I	PLANT
I	I	I	CFS	I	PLANT SIZE	I	AVAILABLE	I	FACTOR
I	I	I	I	I	MW	I	GWH	I	I
I	95	I	4.3	I	.02	I	.21	I	1.000
I	80	I	8.3	I	.05	I	.38	I	.939
I	50	I	35.9	I	.20	I	1.26	I	.717
I	30	I	80.3	I	.45	I	2.13	I	.542
I	10	I	211.1	I	1.18	I	3.41	I	.330

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 78 CFS



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 8, T8S, R10W
D. Latitude, Longitude	44° 52' N, 123° 55' W
E. Stream Name	Siletz River
F. Major Basin Name	Mid-Coast
G. River Mile	0.0 to 10.0

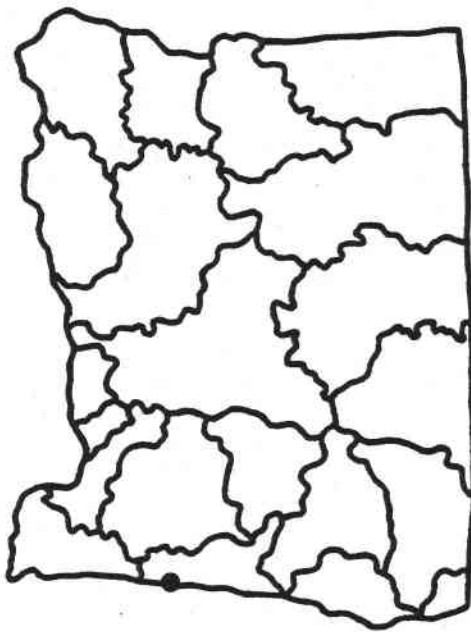
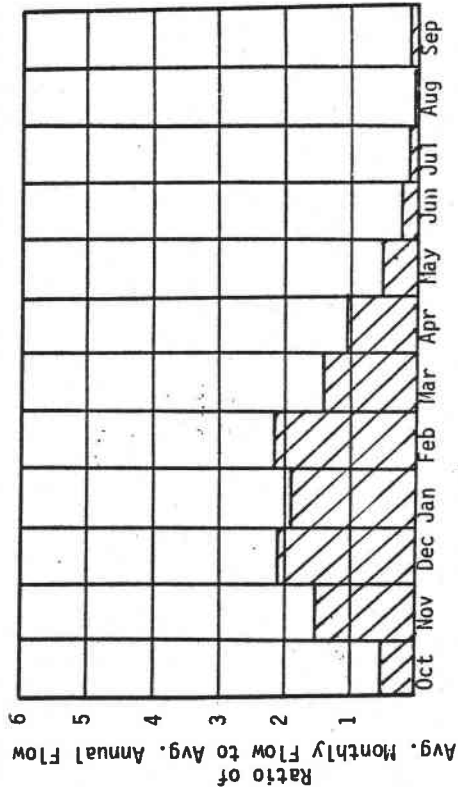
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	38	Ft. MSL
B. Downstream Elevation of Reach	0	Ft. MSL
C. Total Available Head in Reach	38	Ft.
D. Average Slope in Reach	3.8	Ft./Mi.
E. Drainage Area above Reach Mouth	305	Sq. Mi.
F. Inflow Classification	Natural	

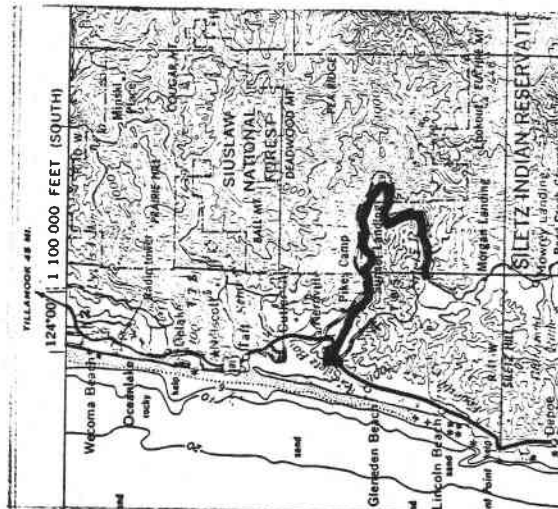
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I PERCENTAGE I	I DISCHARGE I CFS	I THEORETICAL I PLANT SIZE I MW	I ANNUAL ENERGY I AVAILABLE I GWH	I PLANT I FACTOR I
I 95 I	I 73.3 I	I .24 I	I 2.07 I	I 1.000 I
I 80 I	I 134.1 I	I .43 I	I 3.57 I	I .943 I
I 50 I	I 630.1 I	I 2.03 I	I 12.66 I	I .712 I
I 30 I	I 1523.3 I	I 4.91 I	I 22.74 I	I .529 I
I 10 I	I 4236.0 I	I 13.64 I	I 38.05 I	I .318 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-000-000-R0002

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 31, T8S, R10W
D. Latitude, Longitude	44° 50' N, 123° 58' W
E. Stream Name	Siletz River
F. Major Basin Name	Mid-Coast
G. River Mile	10.0 to 20.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	44	Ft. MSL
B. Downstream Elevation of Reach	38	Ft. MSL
C. Total Available Head in Reach	6	Ft.
D. Average Slope in Reach	0.6	Ft./Mi.
E. Drainage Area above Reach Mouth	292	Sq. Mi.
F. Inflow Classification	Natural	

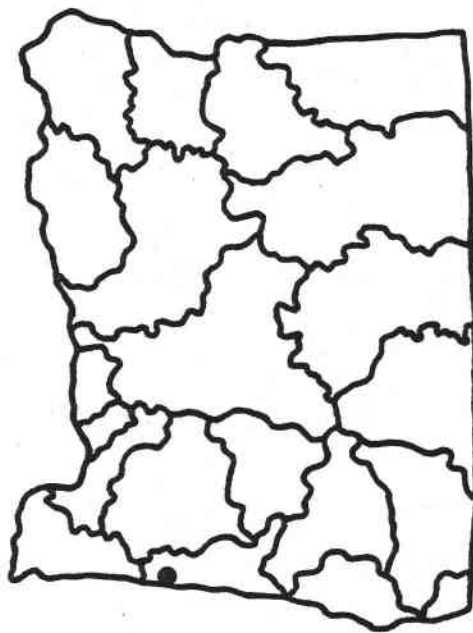
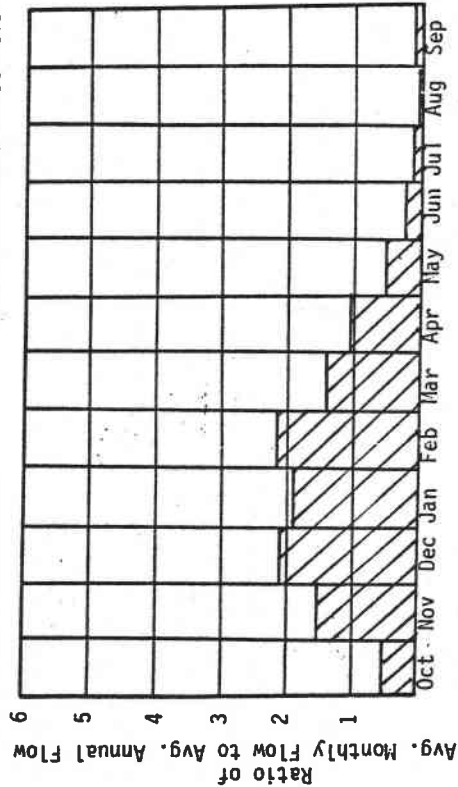
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

ENERGY CHARACTERISTICS

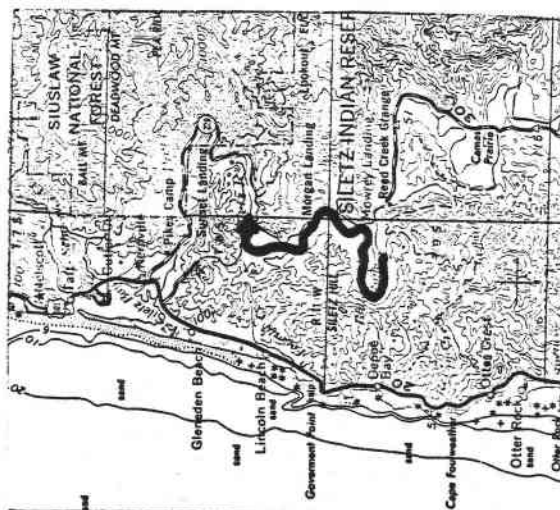
I	EXCEEDANCE I PERCENTAGE I	DISCHARGE I CFS	THEORETICAL I PLANT SIZE I MW	ANNUAL ENERGY I AVAILABLE I CWH	PLANT I FACTOR I
I 95	I	70.9 I	.04 I	.32 I	1.000 I
I 80	I	129.7 I	.07 I	.55 I	.943 I
I 50	I	609.0 I	.31 I	1.93 I	.712 I
I 30	I	1471.1 I	.75 I	3.47 I	.529 I
I 10	I	4088.1 I	2.08 I	5.80 I	.319 I

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1508 CFS



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-000-000-R0003

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 12, T9S, R11W
D. Latitude, Longitude	44°47'N, 123°58'W
E. Stream Name	Siletz River
F. Major Basin Name	Mid-Coast
G. River Mile	20 to 22.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

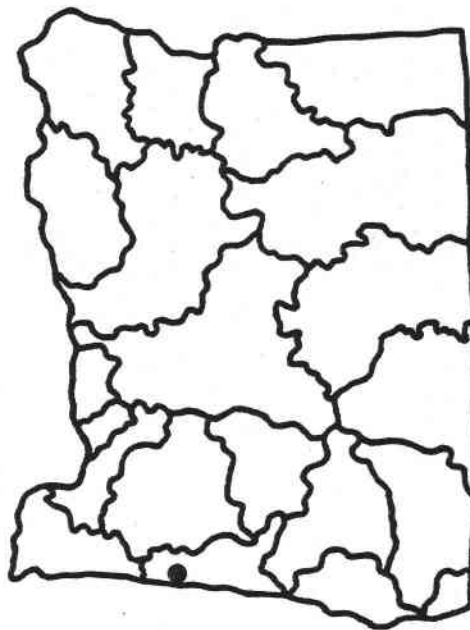
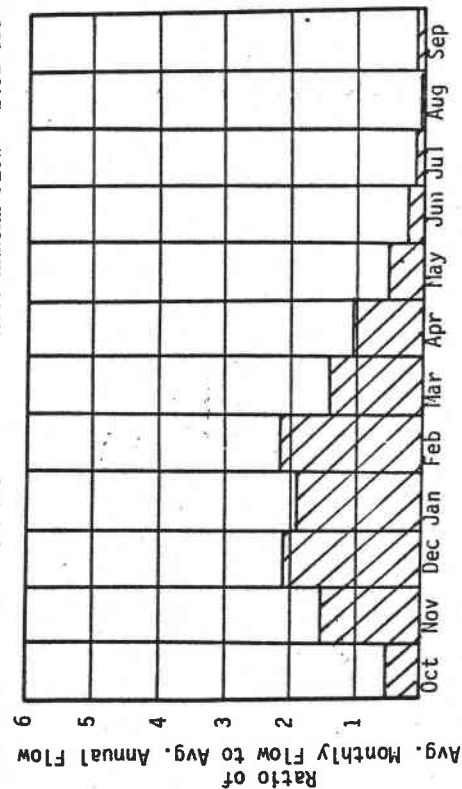
A. Upstream Elevation of Reach	46	Ft. MSL
B. Downstream Elevation of Reach	44	Ft. MSL
C. Total Available Head in Reach	2	Ft.
D. Average Slope in Reach	0.1	Ft./Mi.
E. Drainage Area above Reach Mouth	277	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

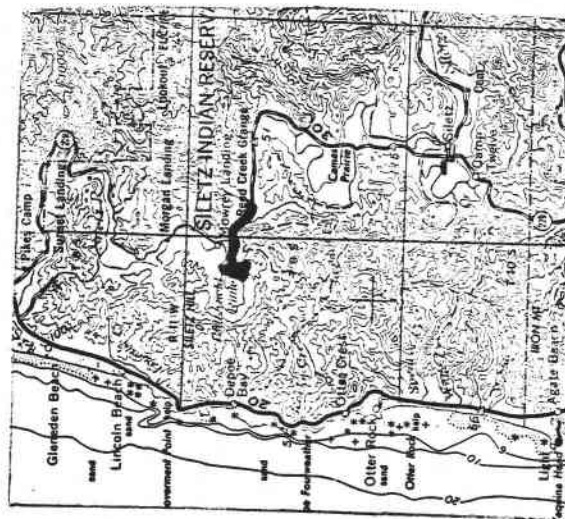
I EXCEEDANCE I PERCENTAGE I	I DISCHARGE I CFS I	I THEORETICAL I PLANT SIZE I MW I	I ANNUAL ENERGY I AVAILABLE I GWH I	I PLANT I FACTOR I I
I 95 I	I 68.8 I	I .01 I	I .10 I	I 1.000 I
I 80 I	I 126.0 I	I .02 I	I .18 I	I .943 I
I 50 I	I 591.1 I	I .10 I	I .63 I	I .713 I
I 30 I	I 1426.8 I	I .24 I	I 1.12 I	I .529 I
I 10 I	I 3962.5 I	I .67 I	I 1.87 I	I .319 I

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1462 CFS



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



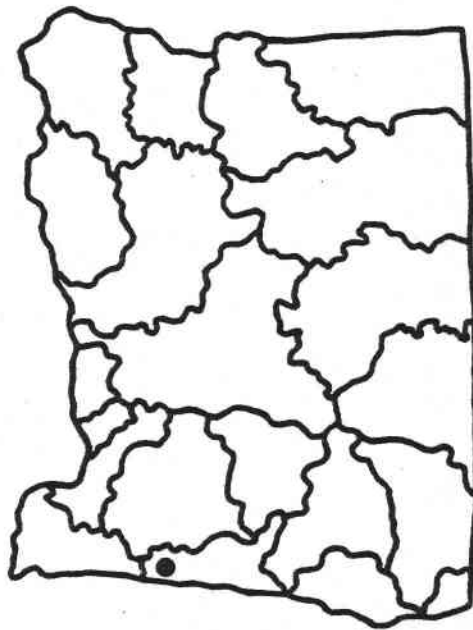
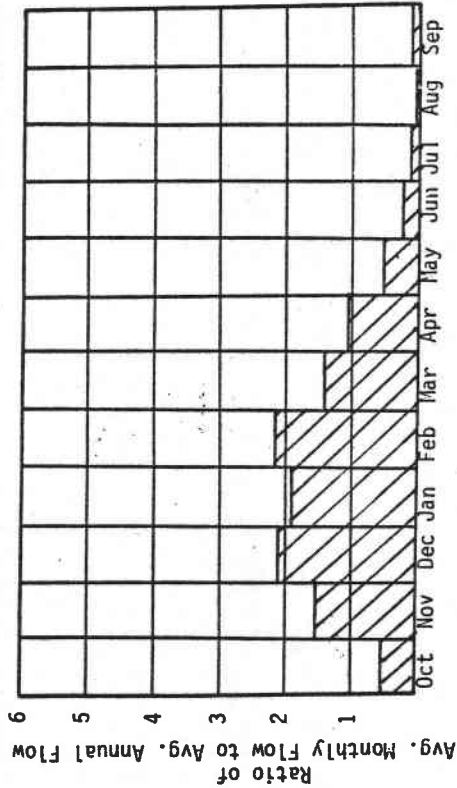
REACH # 02-620-022-000-000-R0001

A.	State	Oregon
B.	County	Lincoln
C.	Township, Range	Sec. 7, T8S, R10W
D.	Latitude, Longitude	44° 50' N, 123° 55' W
E.	Stream Name	Cedar Creek
F.	Major Basin Name	Mid-Coast
G.	River Mile	0.0 to H.W.

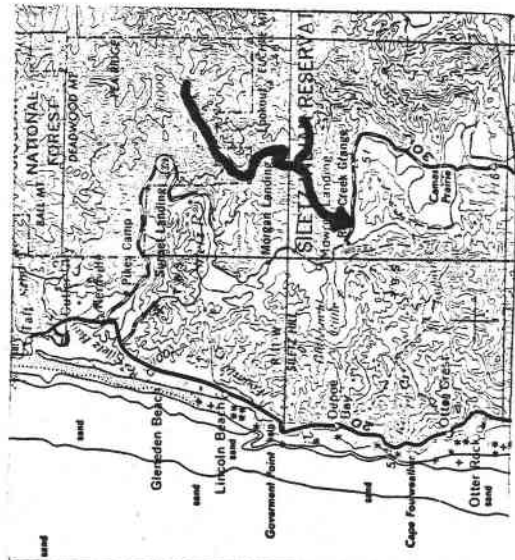
A.	Upstream Elevation of Reach	---	Ft. MSL
B.	Downstream Elevation of Reach	---	Ft. MSL
C.	Total Available Head in Reach	66	Ft.
D.	Average Slope in Reach	---	Ft./Mi.
E.	Drainage Area above Reach Mouth	14	Sq. Mi.
F.	Inflow Classification	Natural	

I	EXCEEDANCE	DISCHARGE	THEORETICAL	ANNUAL ENERGY	PLANT
I	PERCENTAGE	CFS	PLANT SIZE	AVAILABLE	FACTOR
I	I	I	MW	GWH	I
I	95	I 4.1 I	I .02 I	I .20 I	I 1.000 I
I	80	I 8.0 I	I .04 I	I .37 I	I .939 I
I	50	I 34.5 I	I .19 I	I 1.21 I	I .717 I
I	30	I 77.0 I	I .43 I	I 2.04 I	I .542 I
I	10	I 202.1 I	I 1.13 I	I 3.27 I	I .330 I

Avg. Annual Flow = 74 CFS



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-000-000-R0004

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 9, T9S, R10W
D. Latitude, Longitude	44°48'N, 123°55'W
E. Stream Name	Siletz River
F. Major Basin Name	Mid-Coast
G. River Mile	22.6 to 26.3

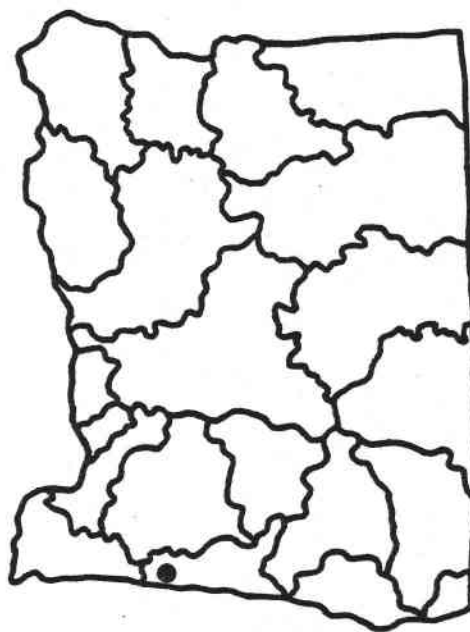
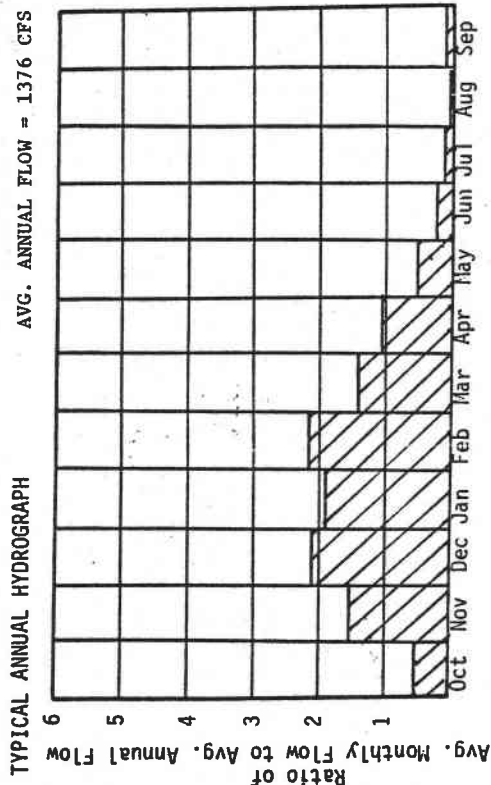
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	49	Ft. MSL
B. Downstream Elevation of Reach	46	Ft. MSL
C. Total Available Head in Reach	3	Ft.
D. Average Slope in Reach	0.8	Ft./Ml.
E. Drainage Area above Reach Mouth	252	Sq. Ml.
F. Inflow Classification	Natural	

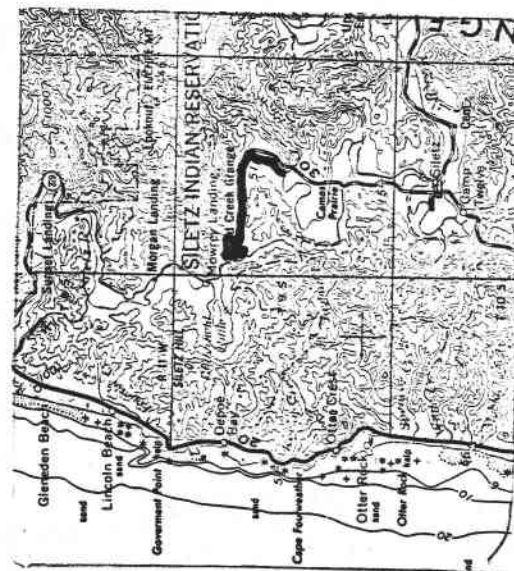
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

ENERGY CHARACTERISTICS				THEORETICAL I PLANT SIZE I AVAILABLE I GWH I				ANNUAL ENERGY I PLANT I FACTOR I			
I EXCEEDANCE I	I DISCHARGE I	I CFS I	I PERCENTAGE I	I MW I	I	I	I	I	I	I	I
I 95	I 65.0	I	I .02	I	I .14	I	I 1.000	I	I	I	I
I 80	I 119.1	I	I .03	I	I .25	I	I .943	I	I	I	I
I 50	I 558.0	I	I .14	I	I .89	I	I .713	I	I	I	I
I 30	I 1344.6	I	I .34	I	I 1.59	I	I .530	I	I	I	I
I 10	I 3730.0	I	I .95	I	I 2.65	I	I .319	I	I	I	I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-026-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 22, T9S, R10W
D. Latitude, Longitude	44°47'N, 123°54'W
E. Stream Name	Euchre Creek
F. Major Basin Name	Mid-Coast
G. River Mile	0.0 to 1.2

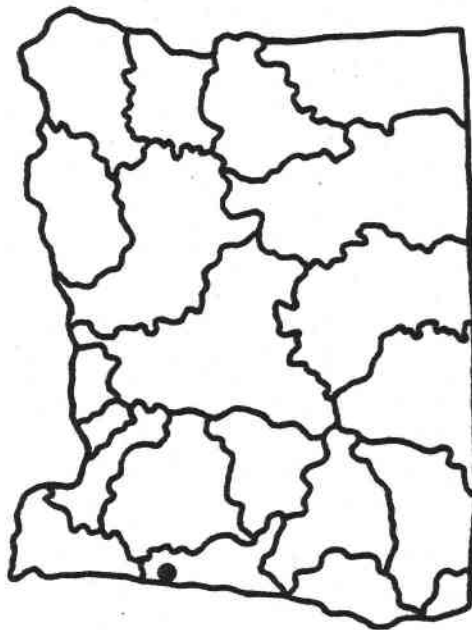
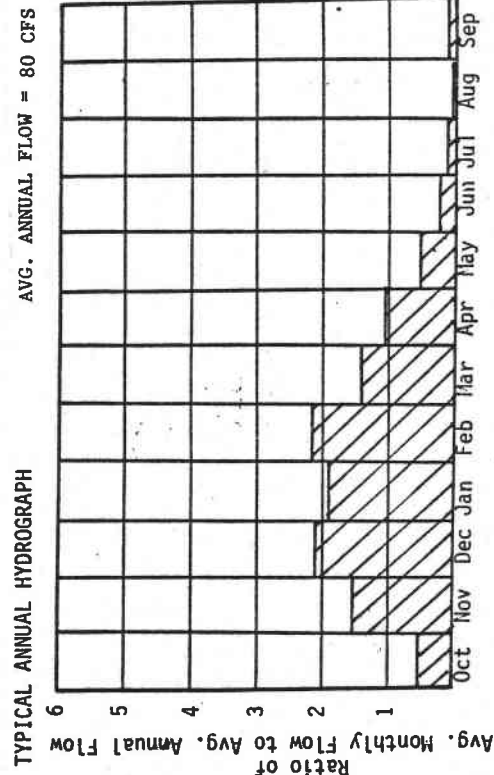
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	67	Ft. MSL
B. Downstream Elevation of Reach	49	Ft. MSL
C. Total Available Head in Reach	18	Ft.
D. Average Slope in Reach	15	Ft./Mi.
E. Drainage Area above Reach Mouth	2.2	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I I
I 95 I	I 4.4 I	I .01 I	I .06 I	I 1.000 I
I 80 I	I 8.5 I	I .01 I	I .11 I	I .940 I
I 50 I	I 37.0 I	I .06 I	I .35 I	I .717 I
I 30 I	I 82.8 I	I .13 I	I .60 I	I .542 I
I 10 I	I 217.6 I	I .33 I	I .96 I	I .330 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-026-000-000-R0002

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 22, T9S, R10W
D. Latitude, Longitude	44°49'N, 123°52'W
E. Stream Name	Euchre Creek
F. Major Basin Name	Mid-Coast
G. River Mile	1.2 to H.W.

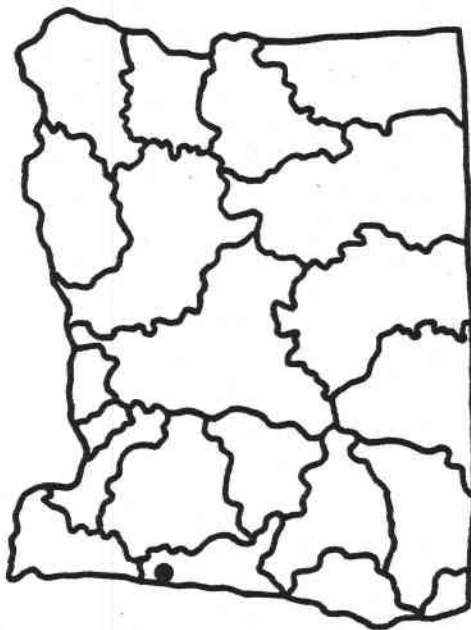
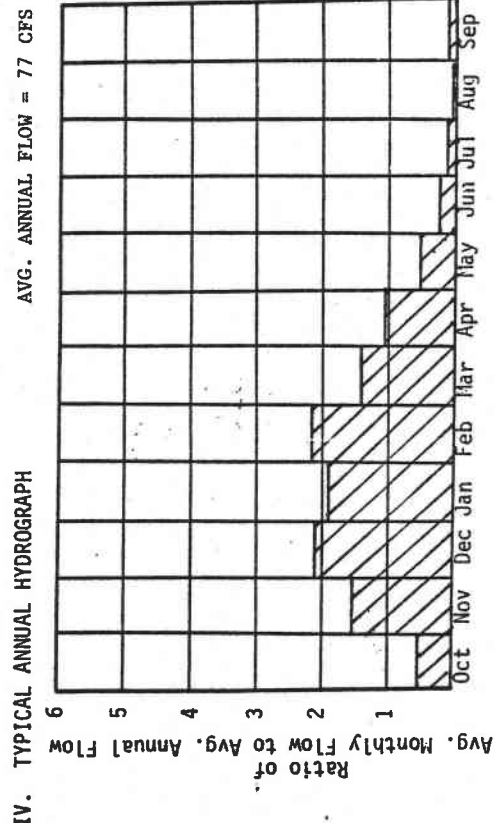
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

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	20	Sq. Mi.
F. Inflow Classification	Natural	

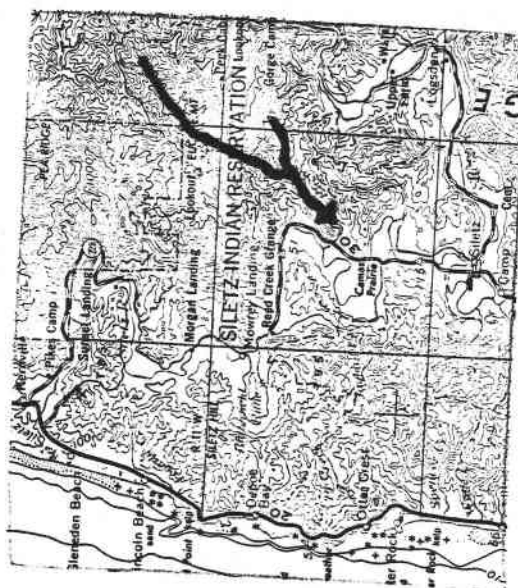
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I PERCENTAGE I	I DISCHARGE I CFS I	I THEORETICAL I PLANT SIZE I MW I	I ANNUAL ENERGY I AVAILABLE I GWH I	I PLANT I FACTOR I I
I 95 I	I 4.2 I	I .02 I	I .21 I	I 1.000 I
I 80 I	I 8.2 I	I .05 I	I .38 I	I .939 I
I 50 I	I 35.6 I	I .20 I	I 1.25 I	I .717 I
I 30 I	I 79.5 I	I .44 I	I 2.11 I	I .542 I
I 10 I	I 209.0 I	I 1.17 I	I 3.38 I	I .330 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-000-000-R0005

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 28, T9S, R10W
D. Latitude, Longitude	44°45'N, 123°54'W
E. Stream Name	Siletz River
F. Major Basin Name	Mid-Coast
G. River Mile	26.3 to 35.0

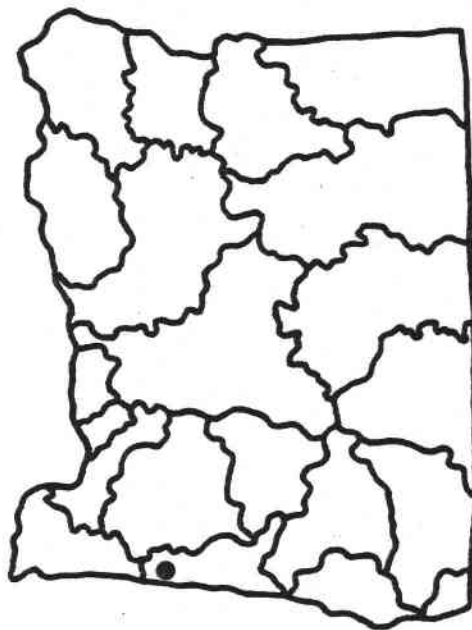
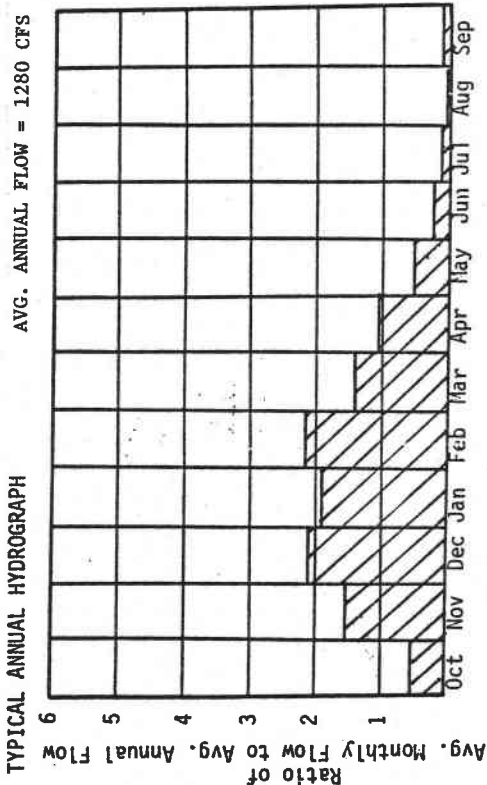
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	95	Ft. MSL
B. Downstream Elevation of Reach	49	Ft. MSL
C. Total Available Head in Reach	46	Ft.
D. Average Slope in Reach	5.3	Ft./Mi.
E. Drainage Area above Reach Mouth	225	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I PERCENTAGE I	I DISCHARGE I CFS I	I THEORETICAL I PLANT SIZE I MW I	I ANNUAL ENERGY I AVAILABLE I GWH I	I PLANT I FACTOR I
I 95 I	I 60.7 I	I .24 I	I 2.07 I	I 1.000 I
I 80 I	I 111.5 I	I .43 I	I 3.59 I	I .943 I
I 50 I	I 521.1 I	I 2.03 I	I 12.68 I	I .713 I
I 30 I	I 1253.4 I	I 4.89 I	I 22.69 I	I .530 I
I 10 I	I 3472.4 I	I 13.54 I	I 37.84 I	I .319 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-000-000-R0006

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 8, T10S, R10W
D. Latitude, Longitude	44°43'N, 124°53'W
E. Stream Name	Siletz River
F. Major Basin Name	Mid-Coast
G. River Mile	35 to 45.1

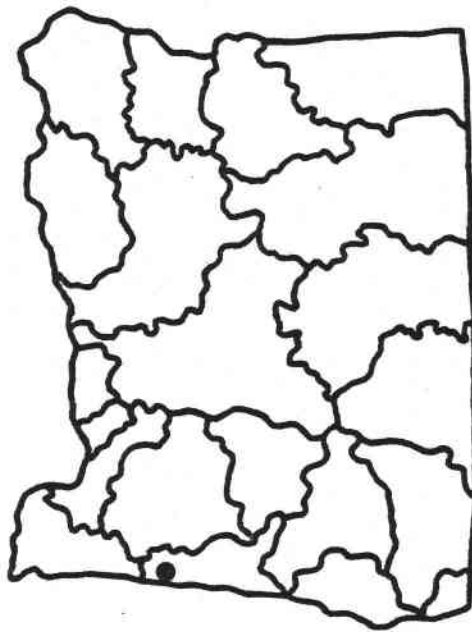
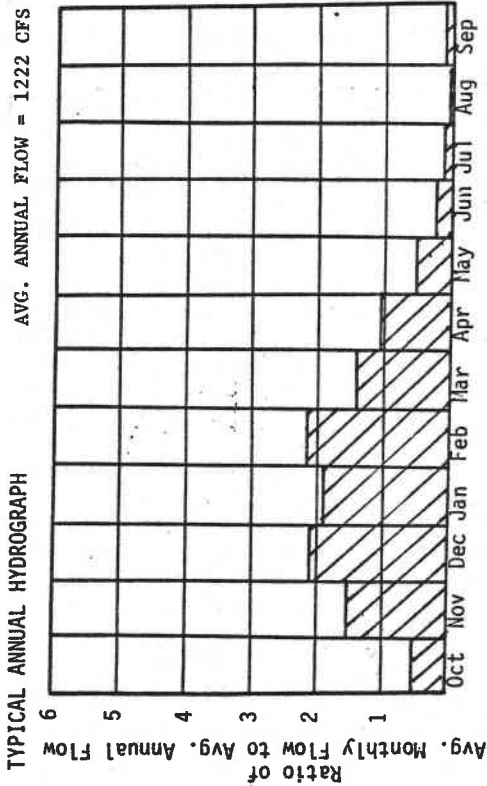
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	145	Ft. MSL
B. Downstream Elevation of Reach	95	Ft. MSL
C. Total Available Head in Reach	50	Ft.
D. Average Slope in Reach	4.9	Ft./Mi.
E. Drainage Area above Reach Mouth	213	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I PERCENTAGE I	I DISCHARGE I CFS I	I THEORETICAL I PLANT SIZE I MW I	I ANNUAL ENERGY I AVAILABLE I GWH I	I PLANT I FACTOR I
I 95 I	I 58.1 I	I .25 I	I 2.16 I	I 1.000 I
I 80 I	I 106.8 I	I .45 I	I 3.74 I	I .943 I
I 50 I	I 498.5 I	I 2.11 I	I 13.19 I	I .713 I
I 30 I	I 1197.5 I	I 5.07 I	I 23.57 I	I .530 I
I 10 I	I 3314.5 I	I 14.04 I	I 39.28 I	I .319 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-000-000-R0007

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 5, T9S, R9W
D. Latitude, Longitude	44°44'N, 123°49'W
E. Stream Name	Siletz River
F. Major Basin Name	Mid-Coast
G. River Mile	45.1 to 48.2

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

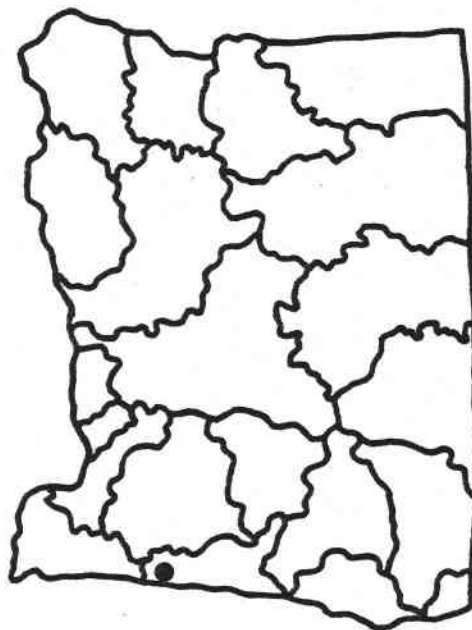
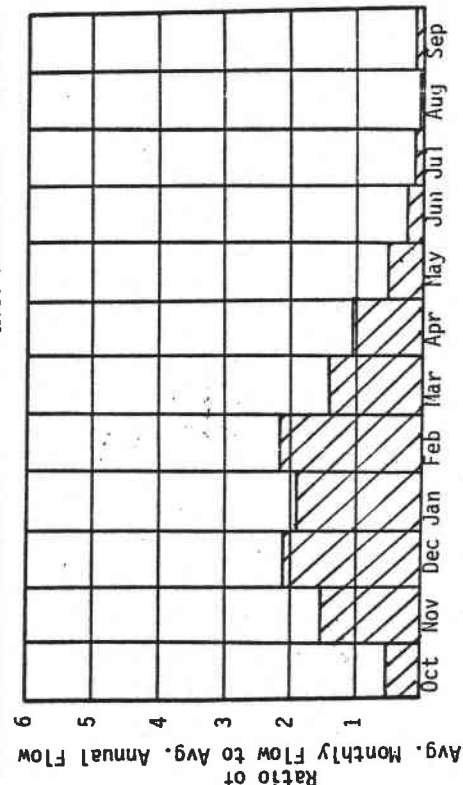
A. Upstream Elevation of Reach	190	Ft. MSL
B. Downstream Elevation of Reach	145	Ft. MSL
C. Total Available Head in Reach	45	Ft.
D. Average Slope in Reach	14.5	Ft./Mi.
E. Drainage Area above Reach Mouth	176	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 53.8 I	I .21 I	I 1.80 I	I 1.000 I
I 80 I	I 99.0 I	I .38 I	I 3.12 I	I .943 I
I 50 I	I 461.0 I	I 1.76 I	I 10.98 I	I .713 I
I 30 I	I 1105.1 I	I 4.21 I	I 19.59 I	I .531 I
I 10 I	I 3054.3 I	I 11.65 I	I 32.61 I	I .320 I

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 1126 CFS



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-047-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 2, T10S, R9W
D. Latitude, Longitude	44° 44' N, 123° 46' W
E. Stream Name	Rock Creek
F. Major Basin Name	Mid-Coast
G. River Mile	0.0 to 5.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

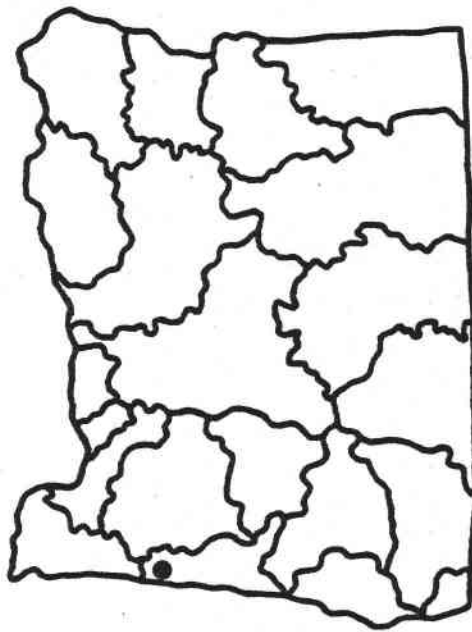
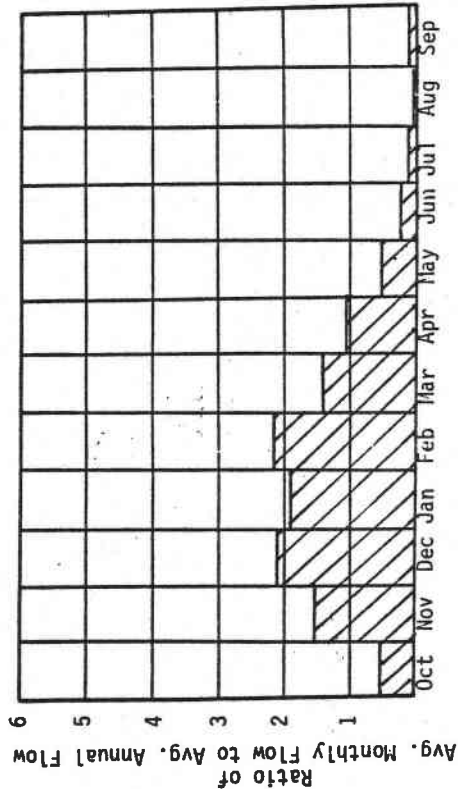
A. Upstream Elevation of Reach	235	Ft. MSL
B. Downstream Elevation of Reach	190	Ft. MSL
C. Total Available Head in Reach	45	Ft.
D. Average Slope in Reach	8	Ft./Mi.
E. Drainage Area above Reach Mouth	40	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 11.2 I	I .04 I	I .37 I	I 1.000 I
I 80 I	I 21.2 I	I .08 I	I .67 I	I .941 I
I 50 I	I 94.5 I	I .36 I	I 2.26 I	I .715 I
I 30 I	I 216.9 I	I .83 I	I 3.89 I	I .537 I
I 10 I	I 581.1 I	I 2.22 I	I 6.33 I	I .326 I

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 214 CFS



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-047-004-000-R0001

I. LOCATION

A. State	Oregon
B. County	Polk
C. Township, Range	Sec. 31, T9S, R8W
D. Latitude, Longitude	44°44'N, 123°42'W
E. Stream Name	Big Rock Creek
F. Major Basin Name	Mid-Coast
G. River Mile	0.0 to 2.0

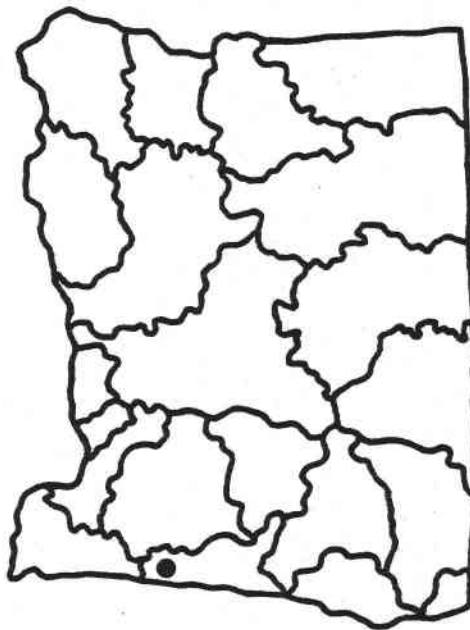
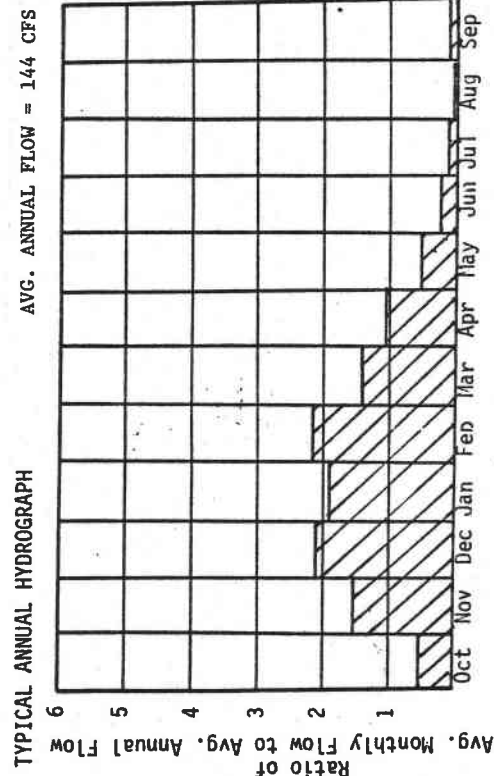
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	285	Ft. MSL
B. Downstream Elevation of Reach	235	Ft. MSL
C. Total Available Head in Reach	50	Ft.
D. Average Slope in Reach	25	Ft./Mi.
E. Drainage Area above Reach Mouth	14	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 5.2 I	I .02 I	I .19 I	I 1.000 I
I 80 I	I 10.0 I	I .04 I	I .35 I	I .940 I
I 50 I	I 43.4 I	I .18 I	I 1.15 I	I .717 I
I 30 I	I 97.4 I	I .41 I	I 1.96 I	I .541 I
I 10 I	I 257.1 I	I 1.09 I	I 3.14 I	I .329 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-047-004-000-R0002

I. LOCATION

A. State	Oregon
B. County	Polk
C. Township, Range	Sec. 31, T9S, R8W
D. Latitude, Longitude	44°46'N, 123°40'W
E. Stream Name	Big Rock Creek
F. Major Basin Name	Mid-Coast
G. River Mile	2.0 to H.W.

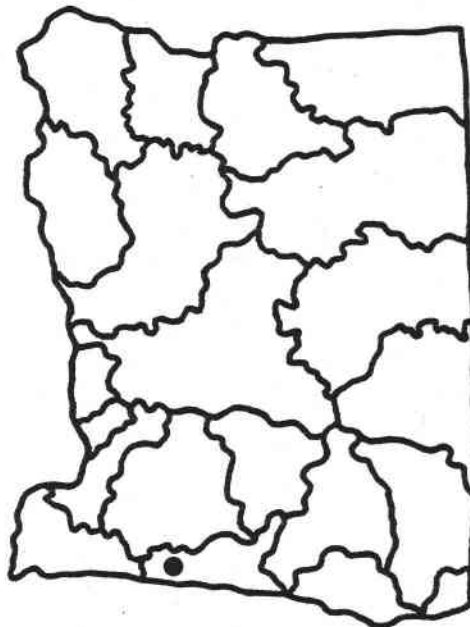
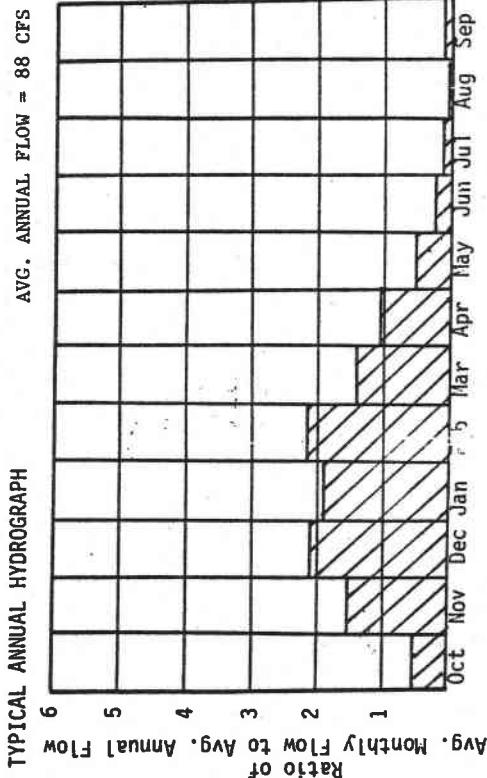
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

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	14	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 4.8 I	I .03 I	I .24 I	I 1.000 I
I 80 I	I 9.3 I	I .05 I	I .43 I	I .940 I
I 50 I	I 40.5 I	I .23 I	I 1.42 I	I .717 I
I 30 I	I 90.8 I	I .51 I	I 2.41 I	I .541 I
I 10 I	I 239.2 I	I 1.34 I	I 3.86 I	I .330 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-047-005-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 7, T10S, R8W
D. Latitude, Longitude	44°43'N, 123°43'W
E. Stream Name	Little Rock Creek
F. Major Basin Name	Mid-Coast
G. River Mile	0.0 to 1.9

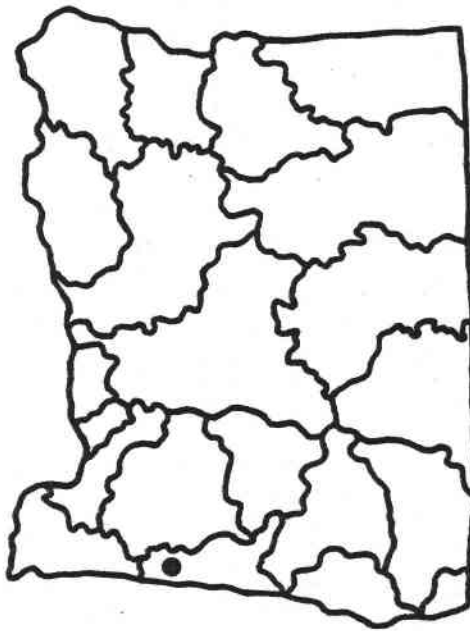
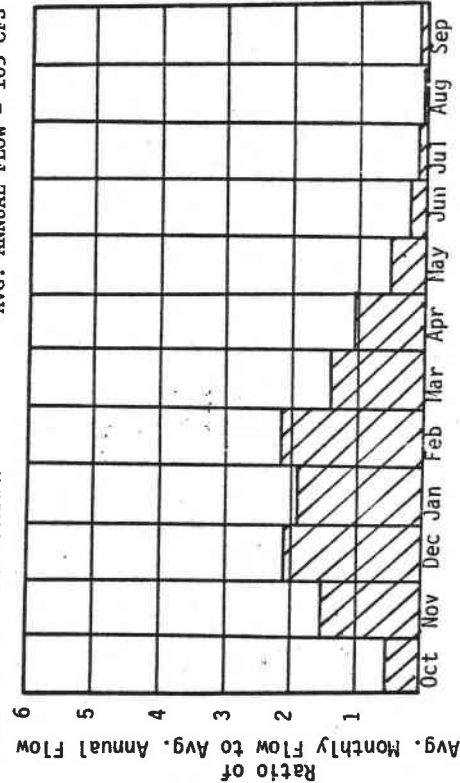
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	335	Ft. MSL
B. Downstream Elevation of Reach	235	Ft. MSL
C. Total Available Head in Reach	100	Ft.
D. Average Slope in Reach	52.6	Ft./Mi.
E. Drainage Area above Reach Mouth	20	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 5.7 I	I .05 I	I .42 I	I 1.000 I
I 80 I	I 10.9 I	I .09 I	I .76 I	I .940 I
I 50 I	I 47.7 I	I .40 I	I 2.54 I	I .716 I
I 30 I	I 107.6 I	I .91 I	I 4.32 I	I .540 I
I 10 I	I 284.4 I	I 2.41 I	I 6.94 I	I .329 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-047-005-000-R0002

I. LOCATION

A. State	Oregon
B. County	Lincoln-Polk
C. Township, Range	Sec. 8, T10S, R8W
D. Latitude, Longitude	44°43'N, 123°40'W
E. Stream Name	Little Rock Creek
F. Major Basin Name	Mid Coast
G. River Mile	1.9 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

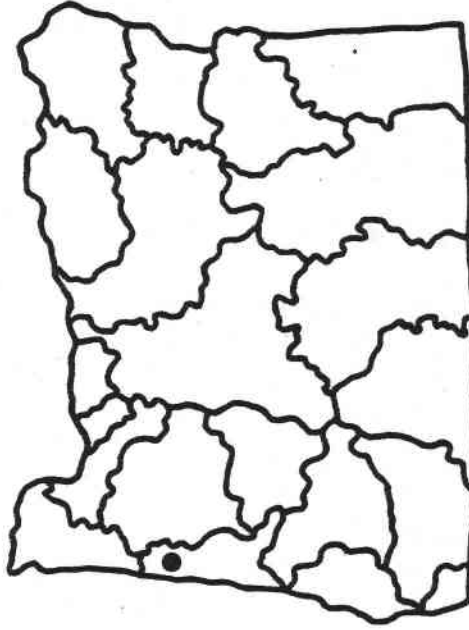
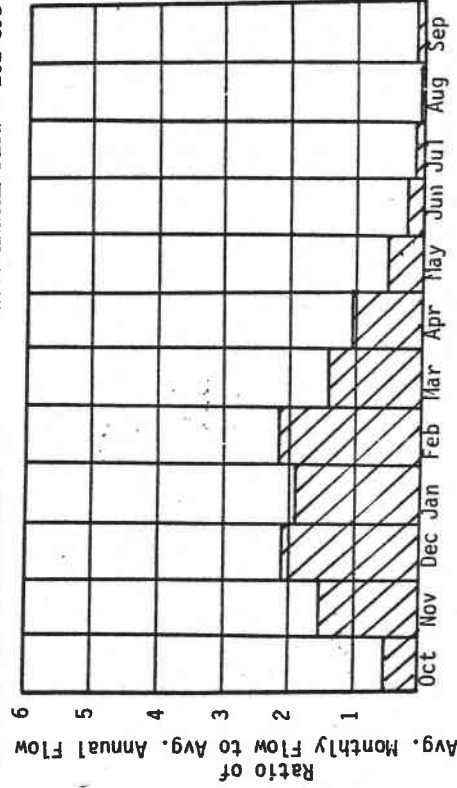
A. Upstream Elevation of Reach	---	Ft. MSL
B. Downstream Elevation of Reach	---	Ft. MSL
C. Total Available Head in Reach	66	Ft.
D. Average Slope in Reach	---	Ft./Mi.
E. Drainage Area above Reach Mouth	18	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I PERCENTAGE I	I DISCHARGE I CFS I	I THEORETICAL I PLANT SIZE I MW I	I ANNUAL ENERGY I AVAILABLE I GWH I	I PLANT I FACTOR I
I 95 I	I 5.5 I	I .03 I	I .27 I	I 1.000 I
I 80 I	I 10.6 I	I .06 I	I .49 I	I .940 I
I 50 I	I 46.1 I	I .26 I	I 1.62 I	I .717 I
I 30 I	I 103.8 I	I .58 I	I 2.75 I	I .541 I
I 10 I	I 274.2 I	I 1.53 I	I 4.42 I	I .329 I

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 101 CFS



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-000-000-R0008

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 33, T9S, R9W
D. Latitude, Longitude	44°43'N, 123°48'W
E. Stream Name	Siletz River
F. Major Basin Name	Mid-Coast
G. River Mile	48.2 to 48.9

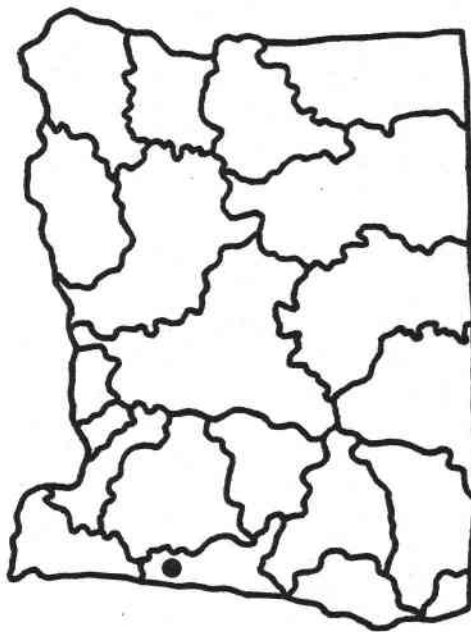
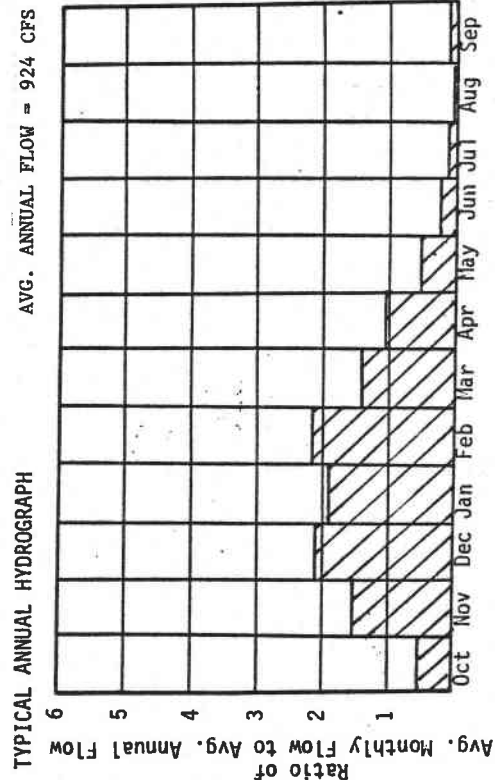
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	197	Ft. MSL
B. Downstream Elevation of Reach	190	Ft. MSL
C. Total Available Head in Reach	7	Ft.
D. Average Slope in Reach	10	Ft./Mi.
E. Drainage Area above Reach Mouth	133	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I	PERCENTAGE	I	DISCHARGE	I	THEORETICAL	I	ANNUAL ENERGY	I	PLANT
I	I	I	CFS	I	PLANT SIZE	I	AVAILABLE	I	FACTOR
I	I	I	I	I	MW	I	GWH	I	I
I	95	I	44.6	I	.03	I	.23	I	1.000
I	80	I	82.4	I	.05	I	.40	I	.943
I	50	I	381.7	I	.23	I	1.41	I	.713
I	30	I	910.4	I	.54	I	2.51	I	.531
I	10	I	2506.6	I	1.49	I	4.17	I	.320

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-000-000-R0009

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 17, T9S, R9W
D. Latitude, Longitude	44°48'N, 123°49'W
E. Stream Name	Siletz River
F. Major Basin Name	Mid-Coast
G. River Mile	48.9 to 59.2

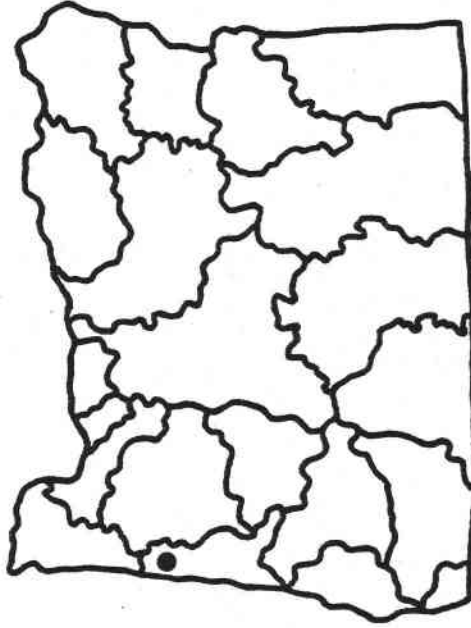
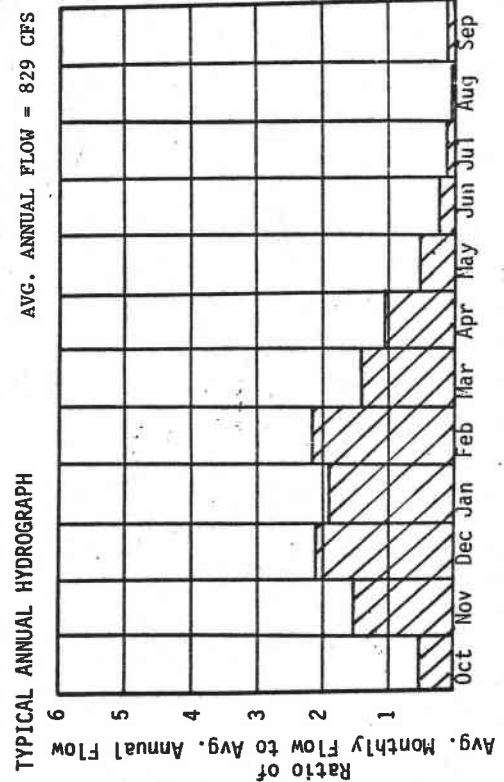
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	487	Ft. MSL
B. Downstream Elevation of Reach	197	Ft. MSL
C. Total Available Head in Reach	290	Ft.
D. Average Slope in Reach	28.2	Ft./Mi.
E. Drainage Area above Reach Mouth	119	Sq. Mi.
F. Inflow Classification	Natural	

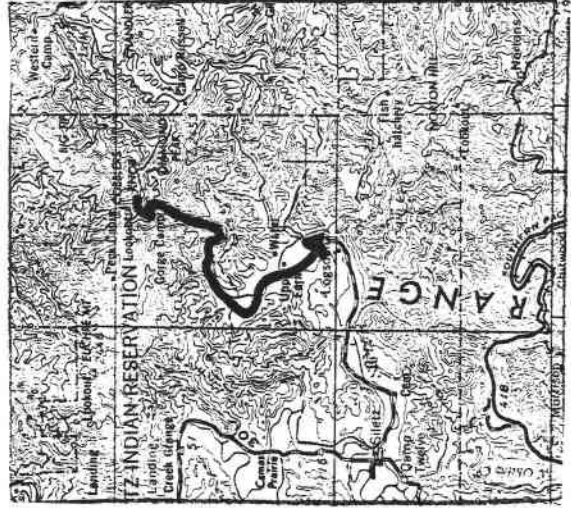
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I PERCENTAGE I	I DISCHARGE I CFS I	I THEORETICAL I PLANT SIZE I MW I	I ANNUAL ENERGY I AVAILABLE I GWH I	I PLANT I FACTOR I
I 95 I	I 40.2 I	I .99 I	I 8.66 I	I 1.000 I
I 80 I	I 74.5 I	I 1.83 I	I 15.12 I	I .943 I
I 50 I	I 344.1 I	I 8.46 I	I 52.84 I	I .713 I
I 30 I	I 818.3 I	I 20.11 I	I 93.68 I	I .532 I
I 10 I	I 2248.7 I	I 55.26 I	I 155.27 I	I .321 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-000-000-R0010

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 26, T8S, R9W
D. Latitude, Longitude	44° 51' N, 123° 45' W
E. Stream Name	Siletz River
F. Major Basin Name	Mid-Coast
G. River Mile	59.2 to 67.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

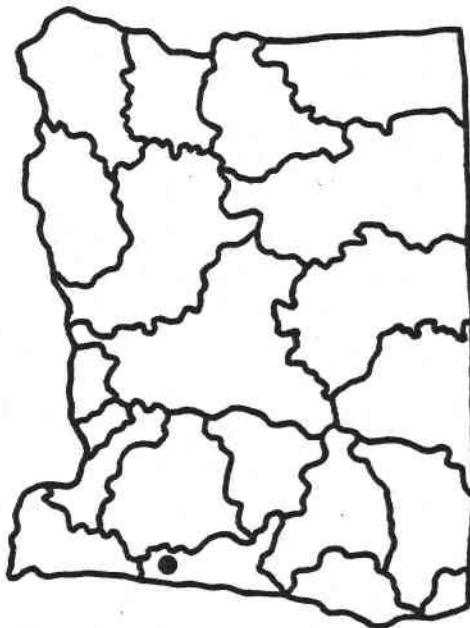
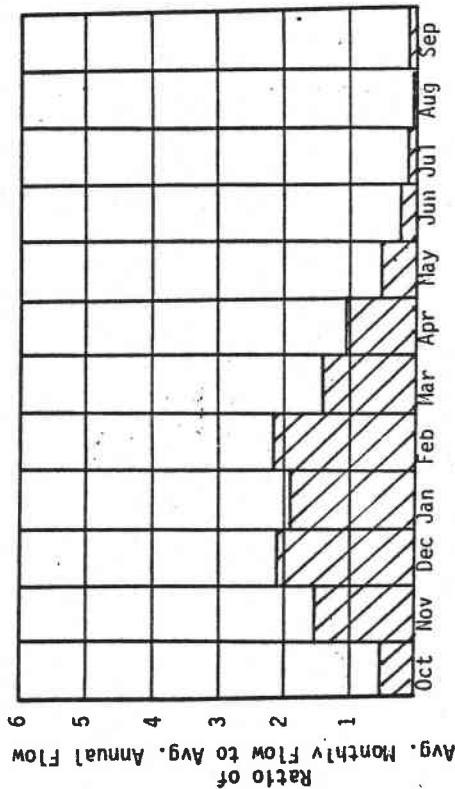
A. Upstream Elevation of Reach	680	Ft. MSL
B. Downstream Elevation of Reach	487	Ft. MSL
C. Total Available Head in Reach	193	Ft.
D. Average Slope in Reach	23	Ft./Mi.
E. Drainage Area above Reach Mouth	90	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

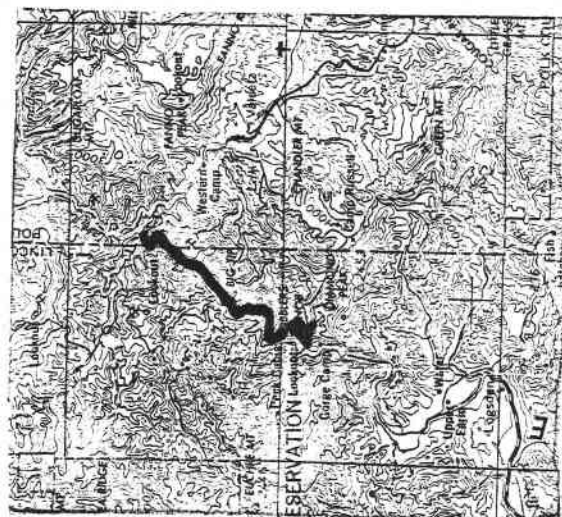
I	PERCENTAGE	I	DISCHARGE	I	THEORETICAL	I	ANNUAL ENERGY	I	PLANT
I	I	I	CFS	I	PLANT SIZE	I	AVAILABLE	I	FACTOR
I	I	I	I	I	MW	I	GMH	I	I
I	95	I	32.4	I	.53	I	4.64	I	1.000
I	80	I	60.3	I	.99	I	8.14	I	.942
I	50	I	276.7	I	4.53	I	28.29	I	.714
I	30	I	654.1	I	10.70	I	49.92	I	.533
I	10	I	1789.7	I	29.27	I	82.46	I	.322

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 660 CFS



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-050-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Polk
C. Township, Range	Sec. 20, T8S, R8W
D. Latitude, Longitude	44°52'N, 123°50'W
E. Stream Name	South Fork Siletz River
F. Major Basin Name	Mid-Coast
G. River Mile	0.0 to 4.3

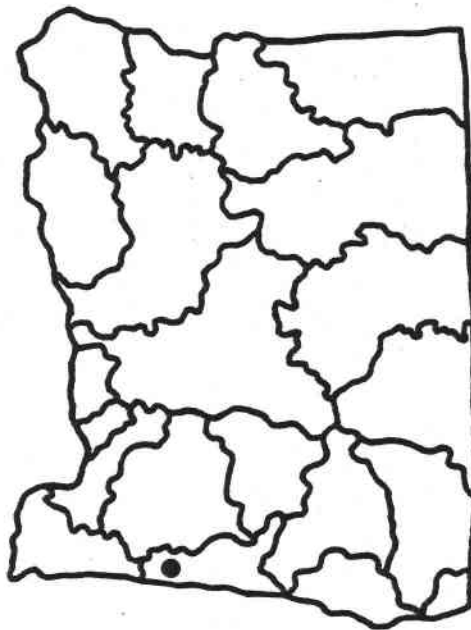
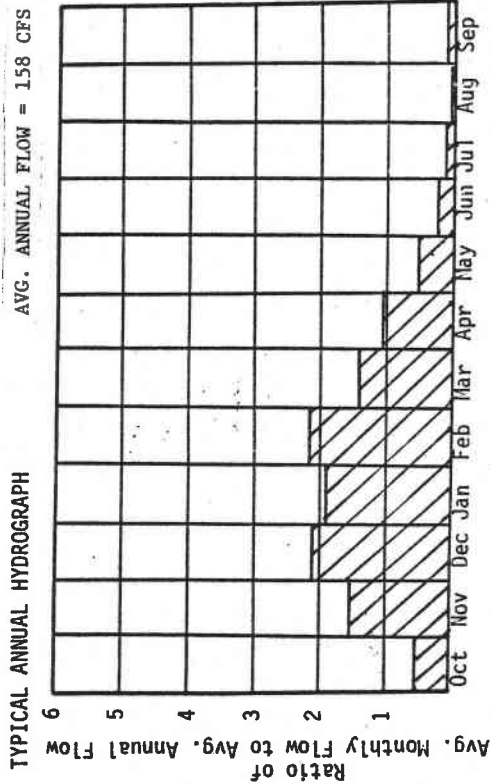
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	1080	Ft. MSL
B. Downstream Elevation of Reach	680	Ft. MSL
C. Total Available Head in Reach	400	Ft.
D. Average Slope in Reach	93	Ft./Mi.
E. Drainage Area above Reach Mouth	20	Sq. Mi.
F. Inflow Classification	Regulated	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I PERCENTAGE I	I DISCHARGE I CFS I	I THEORETICAL I PLANT SIZE I MW I	I ANNUAL ENERGY I AVAILABLE I GWH I	I PLANT I FACTOR I
I 95 I	I 8.4 I	I .28 I	I 2.49 I	I 1.000 I
I 80 I	I 16.0 I	I .54 I	I 4.47 I	I .940 I
I 50 I	I 70.7 I	I 2.40 I	I 15.02 I	I .716 I
I 30 I	I 161.0 I	I 5.46 I	I 25.75 I	I .539 I
I 10 I	I 428.8 I	I 14.54 I	I 41.66 I	I .327 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-050-000-000-R0002

I. LOCATION

A. State	Oregon
B. County	Polk
C. Township, Range	Sec. 34, T8S, R8W
D. Latitude, Longitude	44°50'N, 123°38'W
E. Stream Name	South Fork Siletz River
F. Major Basin Name	Mid-Coast
G. River Mile	6.0 to H.W.

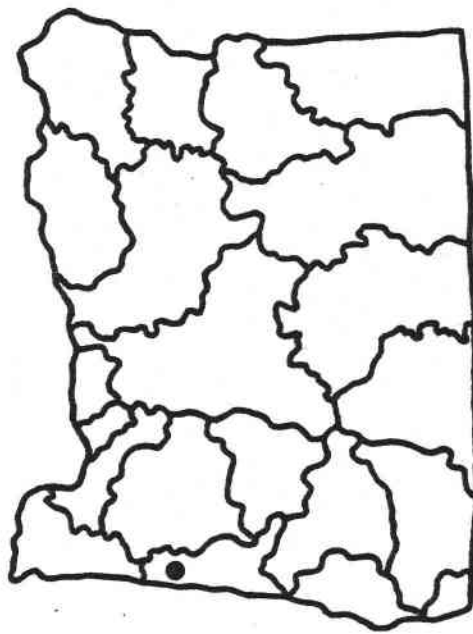
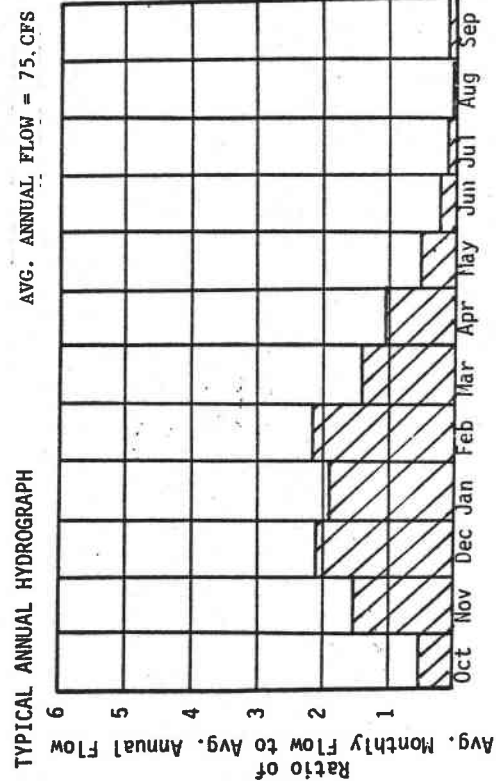
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	—	Ft. MSL
B. Downstream Elevation of Reach	—	Ft. MSL
C. Total Available Head in Reach	66	Ft./Mi.
D. Average Slope in Reach	—	Ft./Mi.
E. Drainage Area above Reach Mouth	10	Sq. Mi.
F. Inflow Classification	Natural	

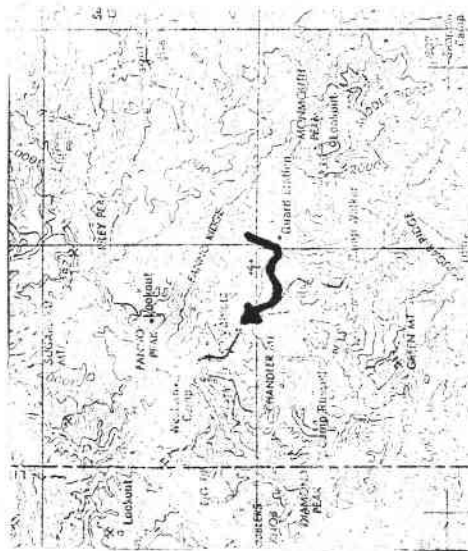
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I QWH I	I
I 95 I	I 4.1 I	I .02 I	I .20 I	I 1.000 I
I 80 I	I 8.0 I	I .04 I	I .37 I	I .939 I
I 50 I	I 34.6 I	I .19 I	I 1.21 I	I .717 I
I 30 I	I 77.2 I	I .43 I	I 2.05 I	I .542 I
I 10 I	I 202.9 I	I 1.13 I	I 3.28 I	I .330 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-000-000-000-R0011

I. LOCATION

A. State	Oregon
B. County	Polk
C. Township, Range	Sec. 6, T8S, R8W
D. Latitude, Longitude	44° 54' N, 123° 52' W
E. Stream Name	Siletz River
F. Major Basin Name	Mid-Coast
G. River Mile	67.6 to 72.2

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

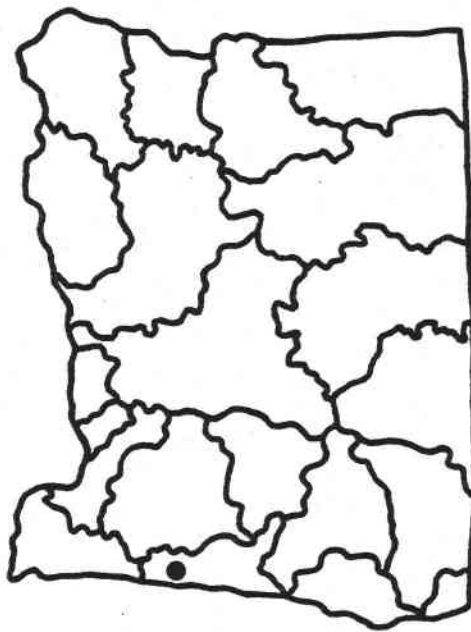
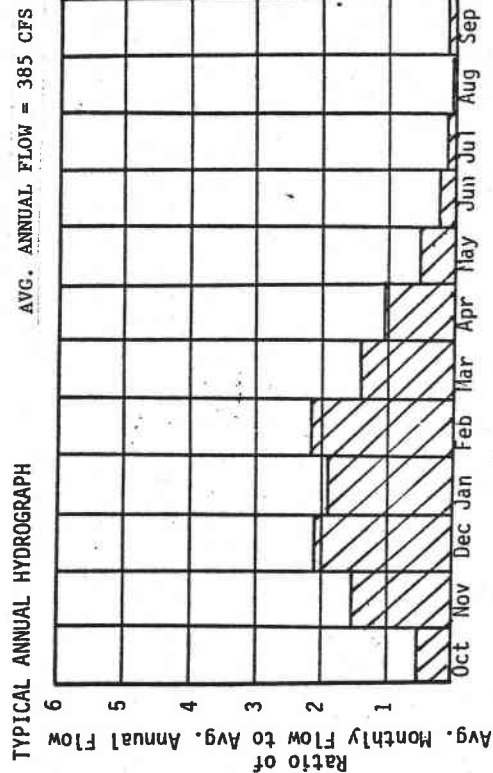
A. Upstream Elevation of Reach	950	Ft. MSL
B. Downstream Elevation of Reach	680	Ft. MSL
C. Total Available Head in Reach	270	Ft.
D. Average Slope in Reach	58.7	Ft./Mi.
E. Drainage Area above Reach Mouth	42	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 19.5 I	I .45 I	I 3.90 I	I 1.000 I
I 80 I	I 36.6 I	I .84 I	I 6.91 I	I .942 I
I 50 I	I 165.5 I	I 3.79 I	I 23.70 I	I .714 I
I 30 I	I 385.7 I	I 8.83 I	I 41.36 I	I .535 I
I 10 I	I 1044.7 I	I 23.91 I	I 67.77 I	I .324 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-055-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Polk
C. Township, Range	Sec. 29, T7S, R8W
D. Latitude, Longitude	44°56'N, 123°40'W
E. Stream Name	Boulder Creek
F. Major Basin Name	Mid-Coast
G. River Mile	0.0 to 3.3

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	1400	Ft. MSL
B. Downstream Elevation of Reach	950	Ft. MSL
C. Total Available Head in Reach	450	Ft.
D. Average Slope in Reach	136.4	Ft./Mi.
E. Drainage Area above Reach Mouth	17	Sq. Mi.
F. Inflow Classification	Natural	

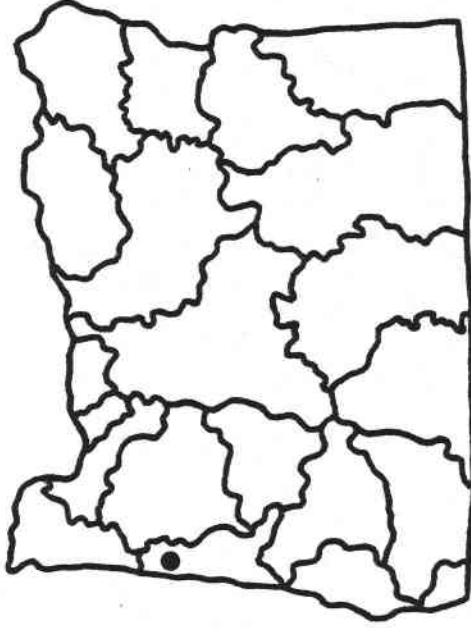
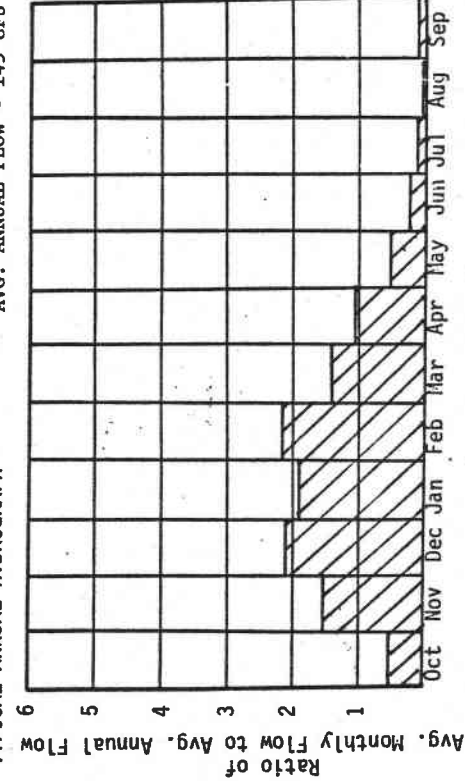
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW	I GMH	I
I 95	I 7.7	I .29	I 2.58	I 1.000
I 80	I 14.8	I .56	I 4.65	I .940
I 50	I 65.2	I 2.48	I 15.58	I .716
I 30	I 148.1	I 5.65	I 26.66	I .539
I 10	I 393.8	I 15.02	I 43.08	I .327

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 145 CFS



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-055-000-000-R0002

I. LOCATION

A. State	Oregon
B. County	Polk
C. Township, Range	Sec. 28, T7S, R8W
D. Latitude, Longitude	44° 56' N, 123° 37' W
E. Stream Name	Boulder Creek
F. Major Basin Name	Mid Coast
G. River Mile	3.3 to H.W.

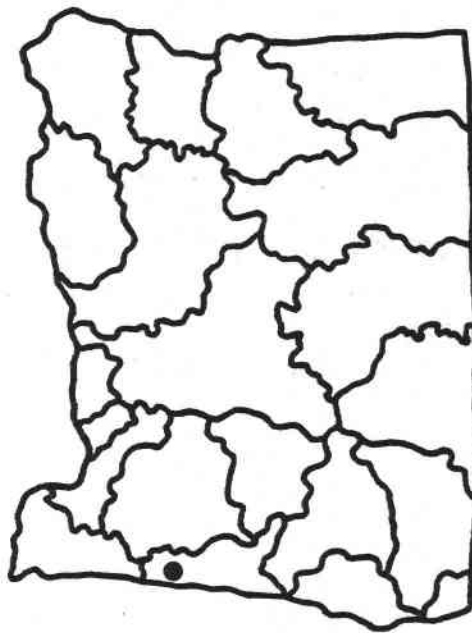
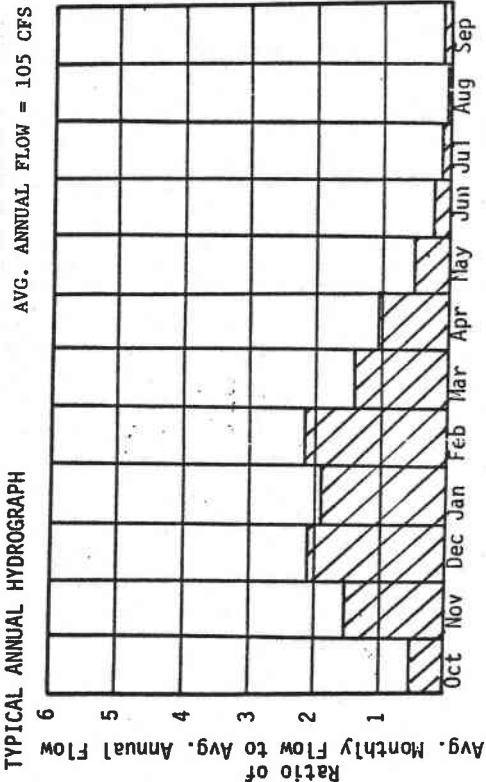
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

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	9.3	Sq. Mi.
F. Inflow Classification	Natural	

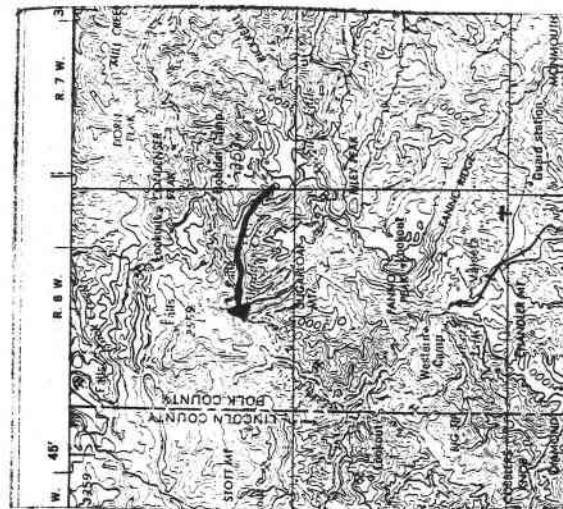
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I PERCENTAGE I	I DISCHARGE I CFS	I THEORETICAL I PLANT SIZE I MW	I ANNUAL ENERGY I AVAILABLE I GWH	I PLANT I FACTOR I
I 95	I 5.7	I .03	I .28	I 1.000
I 80	I 11.0	I .06	I .50	I .940
I 50	I 47.8	I .27	I 1.68	I .716
I 30	I 107.7	I .60	I 2.85	I .540
I 10	I 284.7	I 1.59	I 4.59	I .329

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-060-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Polk
C. Township, Range	Sec. 30, T7S, R8W
D. Latitude, Longitude	44° 56' N, 123° 43' W
E. Stream Name	North Fork Siletz River
F. Major Basin Name	Mid Coast
G. River Mile	0.00 to 1.7

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	1115	Ft. MSL
B. Downstream Elevation of Reach	950	Ft. MSL
C. Total Available Head in Reach	165	Ft.
D. Average Slope in Reach	97	Ft./Mi.
E. Drainage Area above Reach Mouth	18	Sq. Mi.
F. Inflow Classification	Natural	

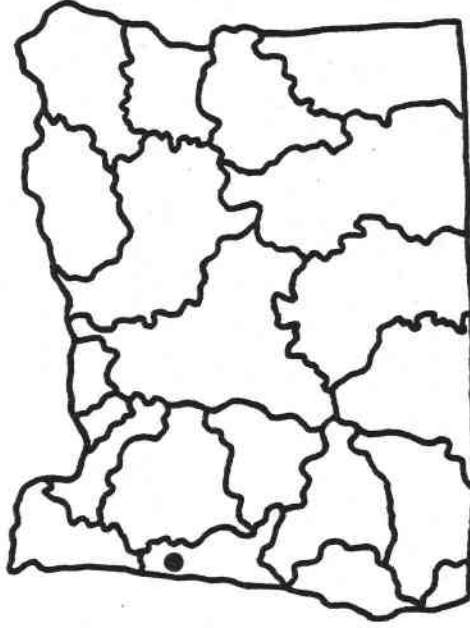
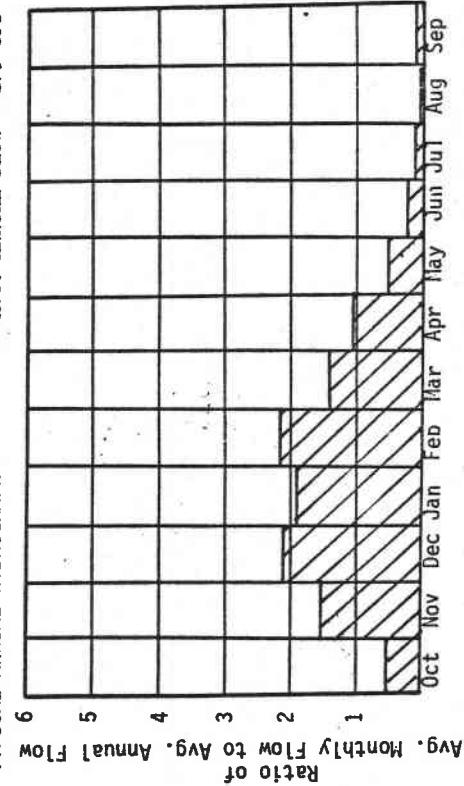
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

ENERGY CHARACTERISTICS

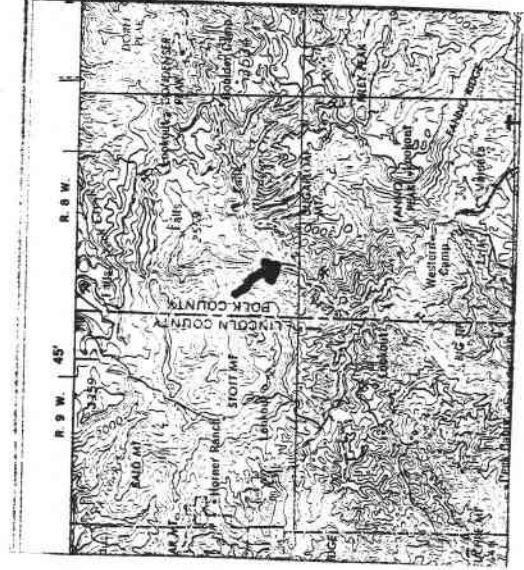
I	PERCENTAGE	I	DISCHARGE	I	THEORETICAL	I	ANNUAL ENERGY	I	PLANT
I	I	I	I	I	I	I	I	I	I
I	95	I	9.4	I	.13	I	1.16	I	1.000
I	80	I	18.0	I	.25	I	2.08	I	.941
I	50	I	79.7	I	1.12	I	6.99	I	.716
I	30	I	182.3	I	2.55	I	12.01	I	.538
I	10	I	486.6	I	6.80	I	19.47	I	.327

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 179 CFS



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-060-005-000-R0001

I. LOCATION

A. State	Oregon
B. County	Polk
C. Township, Range	Sec. 30, T7S, R8W
D. Latitude, Longitude	44° 57' N, 123° 41' W
E. Stream Name	Wanick Creek
F. Major Basin Name	Mid Coast
G. River Mile	0.0 to H.W.

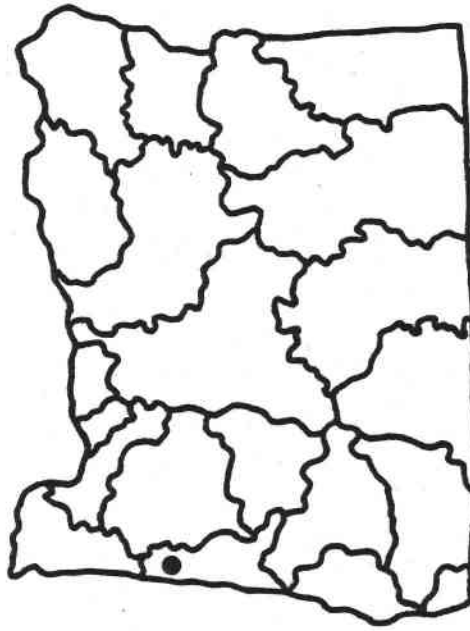
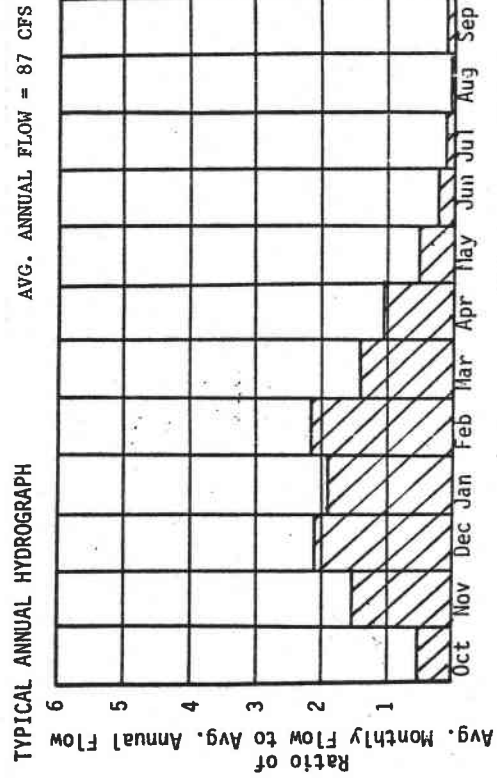
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

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	8	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I I
I 95 I	I 4.8 I	I .03 I	I .23 I	I 1.000 I
I 80 I	I 9.2 I	I .05 I	I .42 I	I .940 I
I 50 I	I 39.9 I	I .22 I	I 1.40 I	I .717 I
I 30 I	I 89.5 I	I .50 I	I 2.37 I	I .541 I
I 10 I	I 235.8 I	I 1.32 I	I 3.81 I	I .330 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-620-060-000-R0002

I. LOCATION

A. State Oregon
 B. County Lincoln
 C. Township, Range Sec. 30, T7S, R9W
 D. Latitude, Longitude 44°57'N, 123°45'W
 E. Stream Name North Fork Silletz River
 F. Major Basin Name Mid Coast
 G. River Mile 1.7 to H.W.

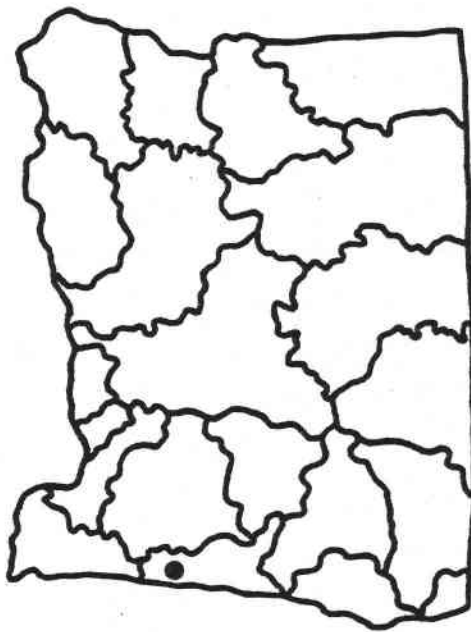
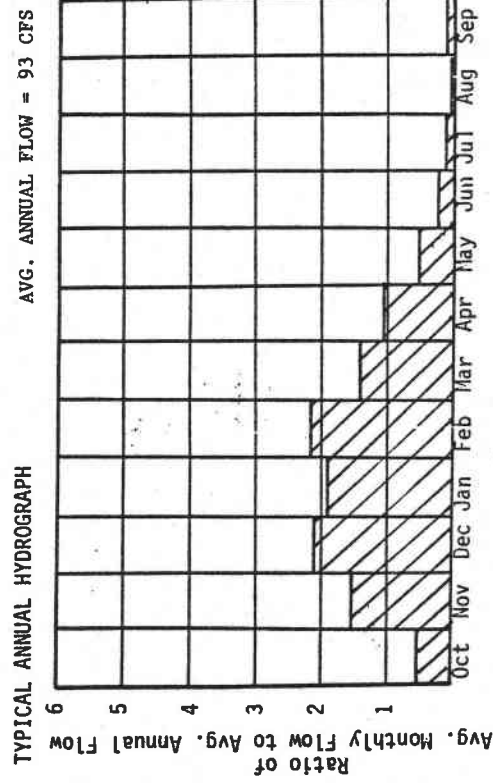
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach Ft. MSL ---
 B. Downstream Elevation of Reach Ft. MSL ---
 C. Total Available Head in Reach 66
 D. Average Slope in Reach Ft./Mi. ---
 E. Drainage Area above Reach Mouth 9
 F. Inflow Classification Natural

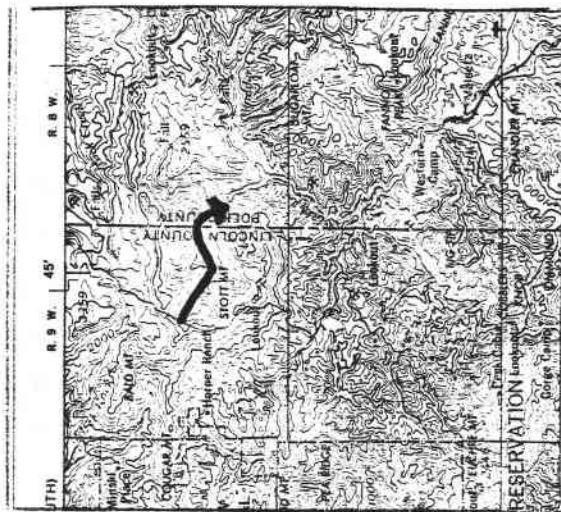
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I PERCENTAGE I	I DISCHARGE I CFS I	I THEORETICAL I PLANT SIZE I MW I	I ANNUAL ENERGY I AVAILABLE I GWH I	I PLANT I FACTOR I
I 95 I	I 5.1 I	I .03 I	I .25 I	I 1.000 I
I 80 I	I 9.8 I	I .05 I	I .45 I	I .940 I
I 50 I	I 42.4 I	I .24 I	I 1.49 I	I .717 I
I 30 I	I 95.3 I	I .53 I	I 2.53 I	I .541 I
I 10 I	I 251.3 I	I 1.41 I	I 4.05 I	I .329 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-625-000-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 27, T11S, R11W
D. Latitude, Longitude	44°37'N, 123°59'W
E. Stream Name	Yaquina River
F. Major Basin Name	Mid Coast
G. River Mile	0.0 to 12.8

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

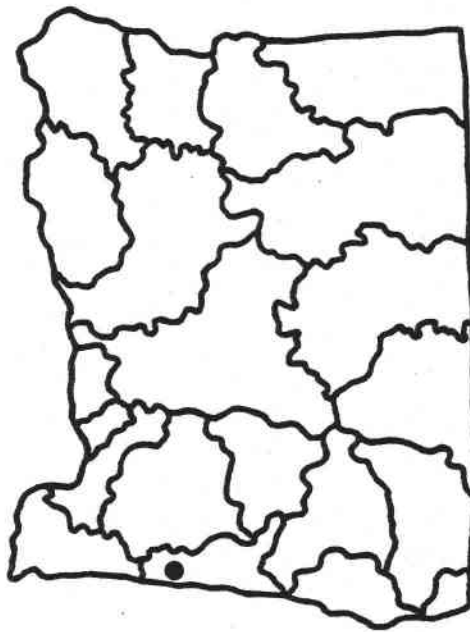
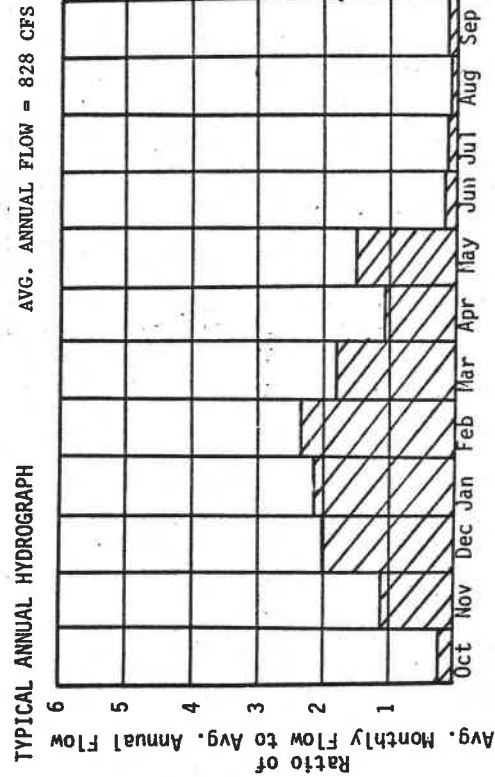
A. Upstream Elevation of Reach	23	Ft. MSL
B. Downstream Elevation of Reach	0	Ft. MSL
C. Total Available Head in Reach	23	Ft.
D. Average Slope in Reach	1.8	Ft./Mi.
E. Drainage Area above Reach Mouth	213	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

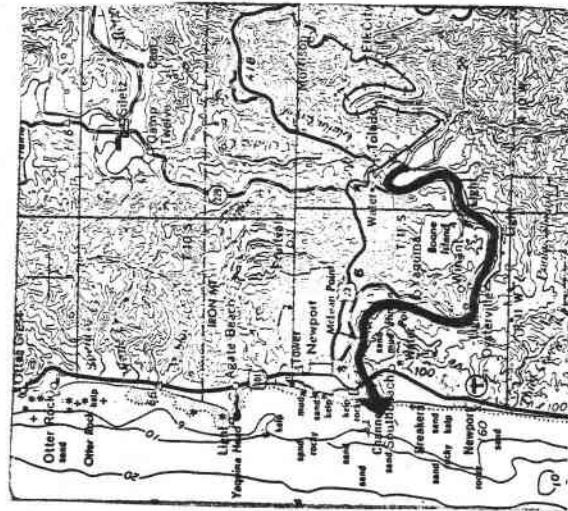
ENERGY CHARACTERISTICS

I	PERCENTAGE	I	DISCHARGE	I	THEORETICAL	I	ANNUAL ENERGY	I	PLANT
I	I	I	CFS	I	PLANT SIZE	I	AVAILABLE	I	FACTOR
I	I	I	I	I	MW	I	GWH	I	I
I	95	I	40.2	I	.08	I	.69	I	1.000
I	80	I	74.5	I	.15	I	1.20	I	.943
I	50	I	343.9	I	.67	I	4.19	I	.713
I	30	I	817.7	I	1.59	I	7.42	I	.532
I	10	I	2247.0	I	4.38	I	12.31	I	.321

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-625-012-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 18, T11S, R10W
D. Latitude, Longitude	44°38'N, 123°56'W
E. Stream Name	Depot Creek
F. Major Basin Name	Mid Coast
G. River Mile	0.0 to 1.4

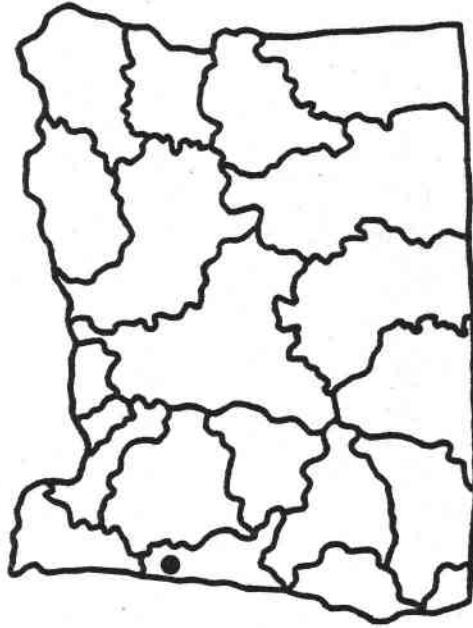
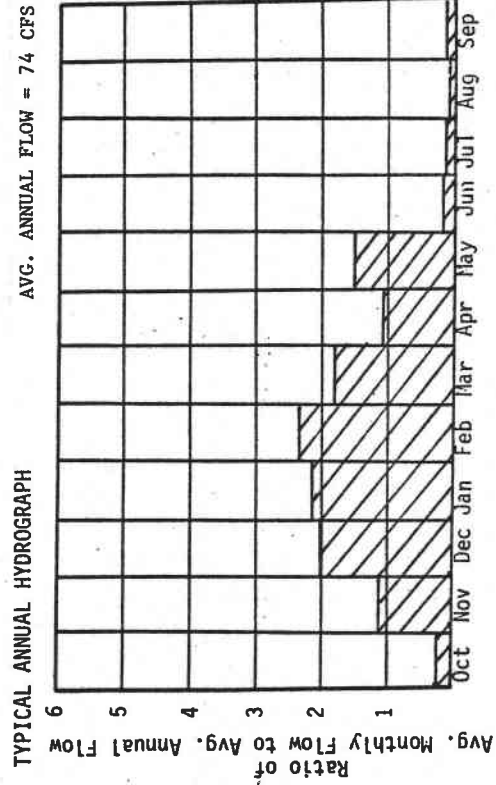
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	37	Ft. MSL
B. Downstream Elevation of Reach	23	Ft. MSL
C. Total Available Head in Reach	14	Ft.
D. Average Slope in Reach	10	Ft./Mi.
E. Drainage Area above Reach Mouth	20	Sq. Mi.
F. Inflow Classification	Natural	

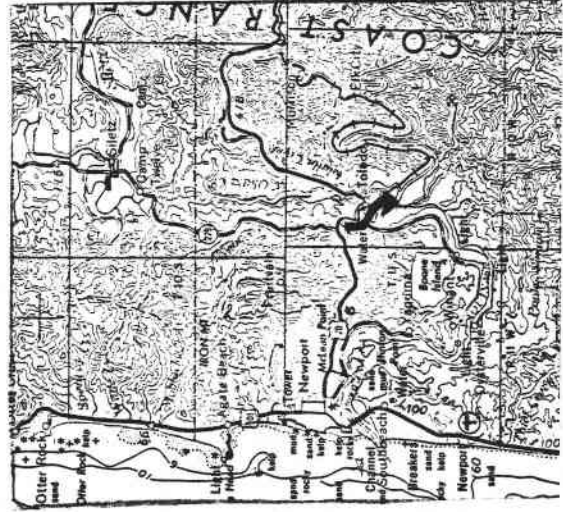
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 4.1 I	I .00 I	I .04 I	I 1.000 I
I 80 I	I 8.0 I	I .01 I	I .08 I	I .939 I
I 50 I	I 34.5 I	I .04 I	I .26 I	I .717 I
I 30 I	I 77.0 I	I .09 I	I .43 I	I .542 I
I 10 I	I 202.3 I	I .24 I	I .69 I	I .330 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-625-012-000-000-R0002

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 7, T10S, R10W
D. Latitude, Longitude	44° 39' N, 123° 58' W
E. Stream Name	Depot Creek
F. Major Basin Name	Mid 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	19	Sq. Mi.
F. Inflow Classification	Natural	

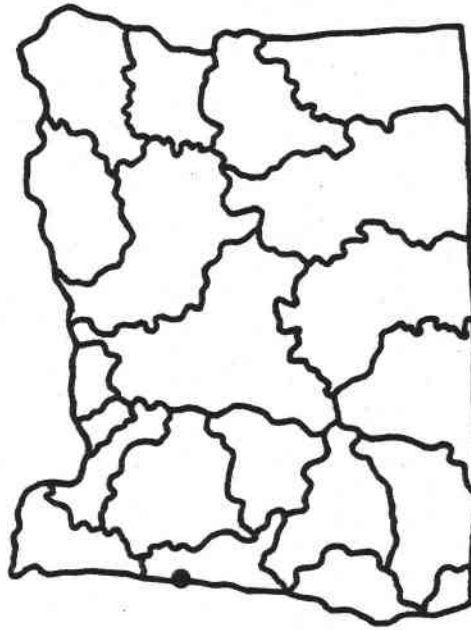
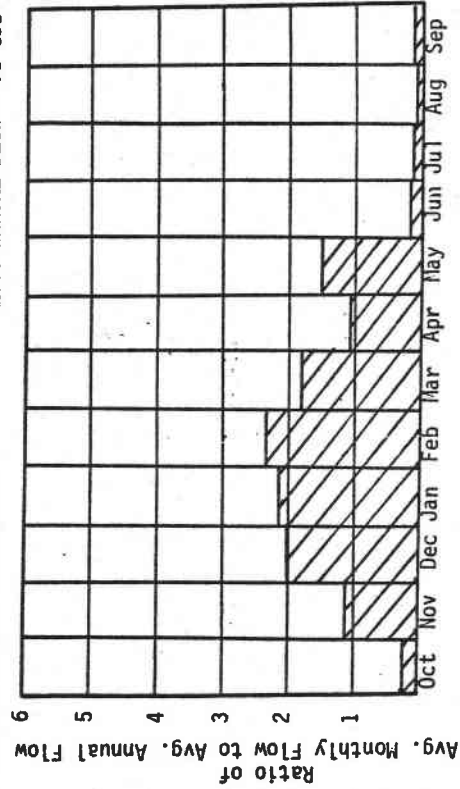
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

ENERGY CHARACTERISTICS

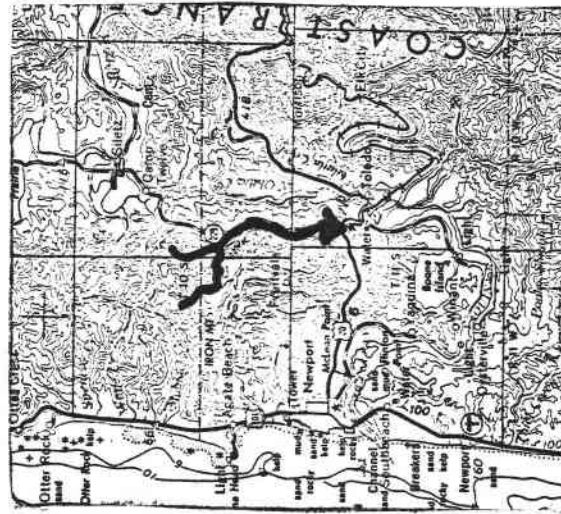
I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 4.0 I	I .02 I	I .20 I	I 1.000 I
I 80 I	I 7.8 I	I .04 I	I .36 I	I .939 I
I 50 I	I 33.8 I	I .19 I	I 1.19 I	I .717 I
I 30 I	I 75.5 I	I .42 I	I 2.00 I	I .542 I
I 10 I	I 198.1 I	I 1.11 I	I 3.21 I	I .330 I

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 73 CFS



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-625-000-000-000-R0002

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 16, T11S, R10W
D. Latitude, Longitude	44°38'N, 123°54'W
E. Stream Name	Yaquina River
F. Major Basin Name	Mid Coast
G. River Mile	12.8 to 22.4

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

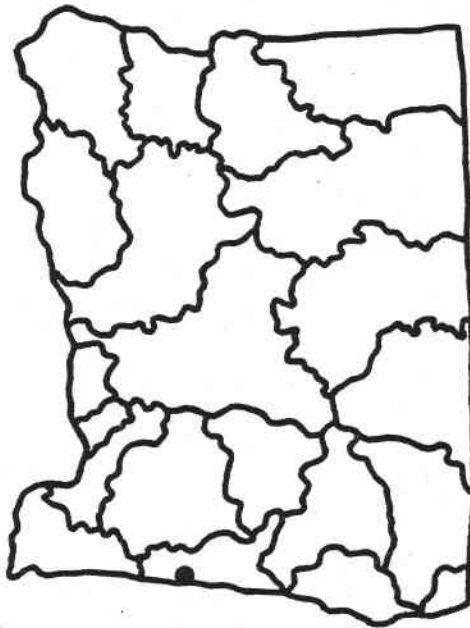
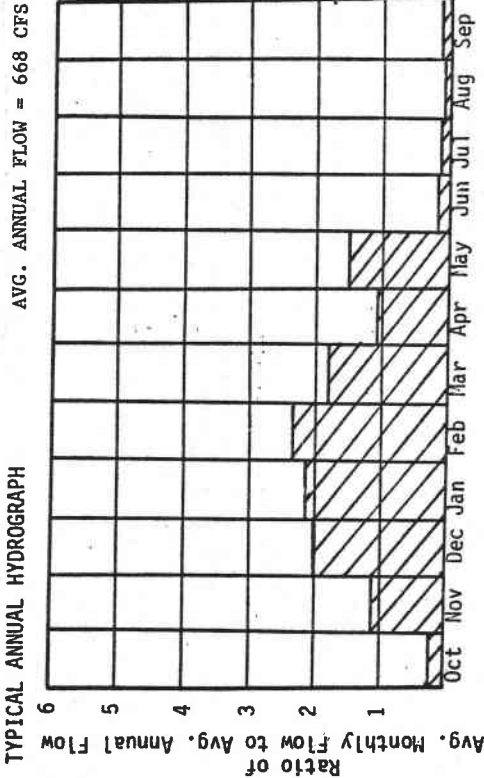
A. Upstream Elevation of Reach	41	Ft. MSL
B. Downstream Elevation of Reach	23	Ft. MSL
C. Total Available Head in Reach	18	Ft.
D. Average Slope in Reach	1.9	Ft./Mi.
E. Drainage Area above Reach Mouth	162	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

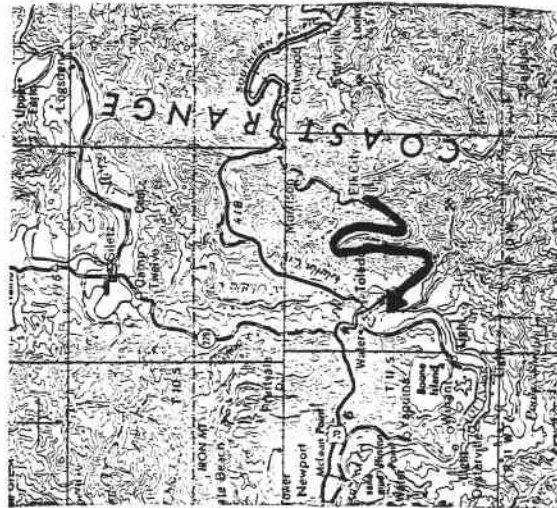
ENERGY CHARACTERISTICS

I	EXCEEDANCE I	DISCHARGE I	THEORETICAL I	PLANT SIZE I	ANNUAL ENERGY I	PLANT I
I	PERCENTAGE I	CFS I	I	AVAILABLE I	FACTOR I	I
I	I	I	MW I	GWH I	I	I
I	95	I	32.8 I	.05 I	.44 I	1,000 I
I	80	I	61.0 I	.09 I	.77 I	.942 I
I	50	I	280.0 I	.43 I	2.67 I	.714 I
I	30	I	662.3 I	1.01 I	4.71 I	.533 I
I	10	I	1812.5 I	2.76 I	7.79 I	.322 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-625-023-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 13, T11S, R10W
D. Latitude, Longitude	44° 37' N, 123° 51' W
E. Stream Name	Elk Creek
F. Major Basin Name	Mid-Coast
G. River Mile	0.0 to 5.0

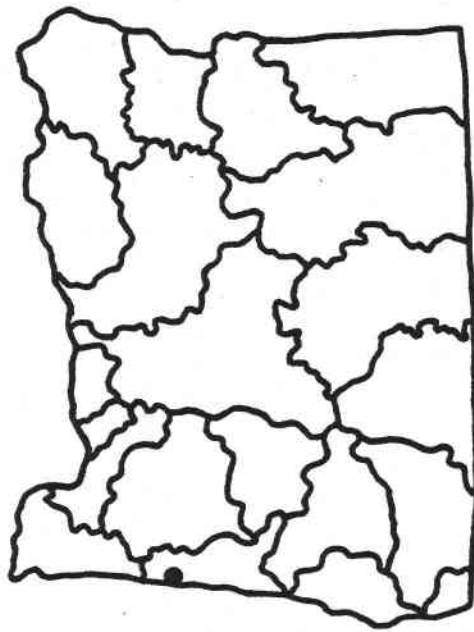
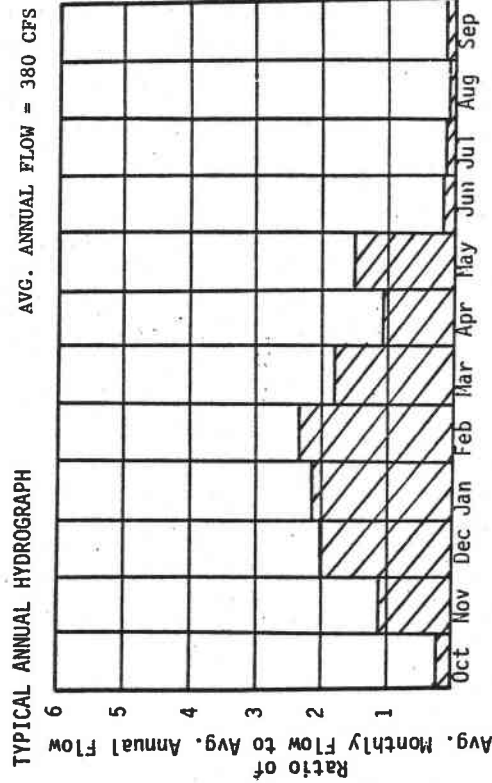
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	42	Ft. MSL
B. Downstream Elevation of Reach	41	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	84.0	Sq. Mi.
F. Inflow Classification	Natural	

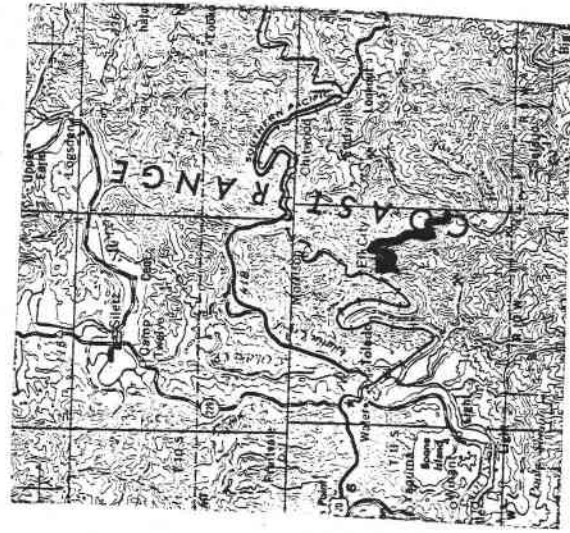
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95	I 19.2 I	I .00 I	I .01 I	I 1.000 I
I 80	I 36.1 I	I .00 I	I .03 I	I .941 I
I 50	I 163.3 I	I .01 I	I .09 I	I .714 I
I 30	I 380.6 I	I .03 I	I .15 I	I .535 I
I 10	I 1030.6 I	I .09 I	I .25 I	I .324 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-625-023-000-000-R0002

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 5, T12S, R9W
D. Latitude, Longitude	44°35'N, 123°48'W
E. Stream Name	Elk Creek
F. Major Basin Name	Mid-Coast
G. River Mile	5.0 to 14.5

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

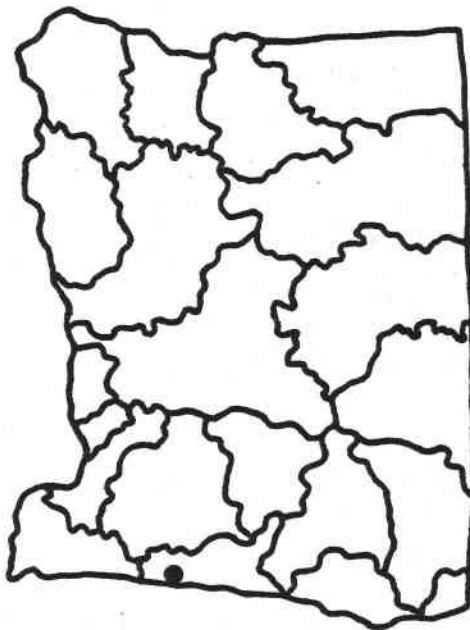
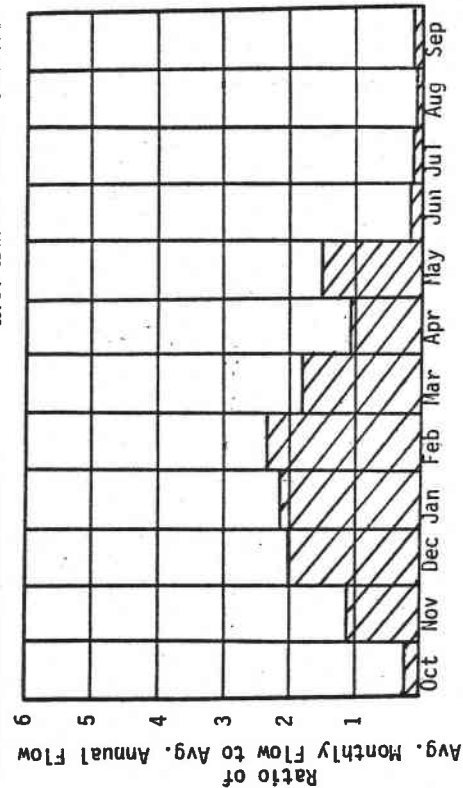
A. Upstream Elevation of Reach	121	Ft. MSL
B. Downstream Elevation of Reach	42	Ft. MSL
C. Total Available Head in Reach	79	Ft.
D. Average Slope in Reach	8.3	Ft./Mi.
E. Drainage Area above Reach Mouth	74	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

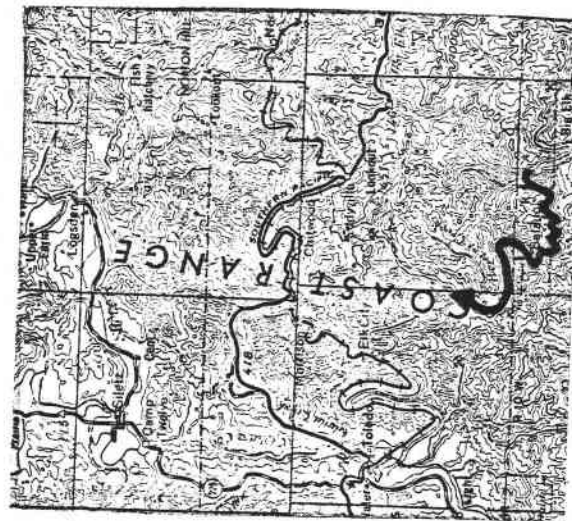
ENERGY CHARACTERISTICS

I	EXCEEDANCE I	DISCHARGE I	THEORETICAL I	ANNUAL ENERGY I	PLANT I
I	PERCENTAGE I	CFS I	PLANT SIZE I	AVAILABLE I	FACTOR I
I	I	I	MW I	GWH I	I
I	95	I	16.3	I	.11
I	80	I	30.7	I	.21
I	50	I	138.2	I	.92
I	30	I	320.5	I	2.15
I	10	I	865.0	I	5.79
I		I		I	16.46
I		I		I	1.000
I		I		I	.941
I		I		I	.715
I		I		I	.536
I		I		I	.324

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-625-023-000-000-R0003

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 2, T12S, R9W
D. Latitude, Longitude	44° 35' N, 123° 45' W
E. Stream Name	Elk Creek
F. Major Basin Name	Mid-Coast
G. River Mile	14.5 to 21.4

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

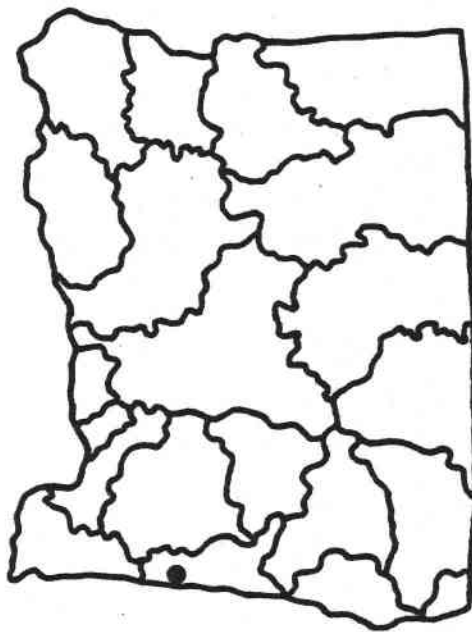
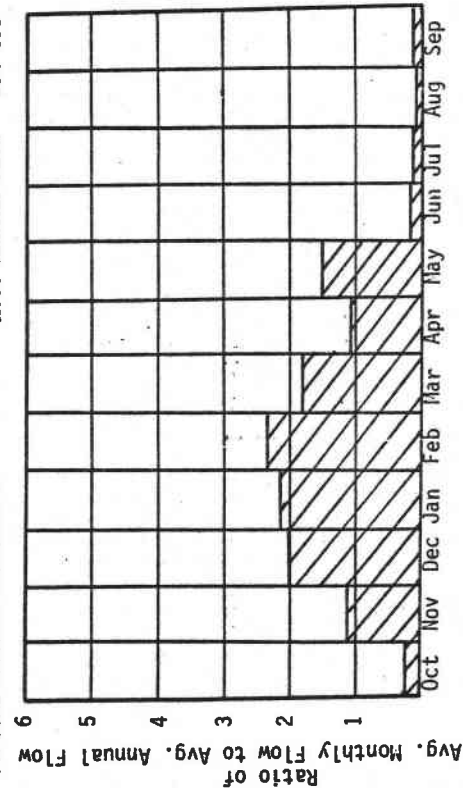
A. Upstream Elevation of Reach	200	Ft. MSL
B. Downstream Elevation of Reach	121	Ft. MSL
C. Total Available Head in Reach	79	Ft.
D. Average Slope in Reach	11.4	Ft./Mi.
E. Drainage Area above Reach Mouth	53	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

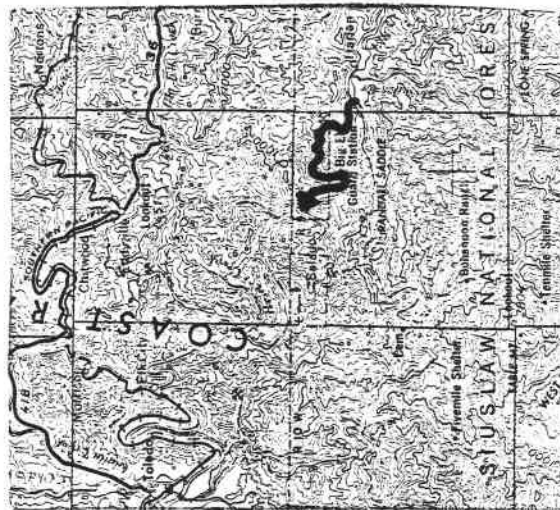
I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 12.2 I	I .08 I	I .71 I	I 1.000 I
I 80 I	I 23.1 I	I .15 I	I 1.27 I	I .941 I
I 50 I	I 102.8 I	I .69 I	I 4.31 I	I .715 I
I 30 I	I 236.7 I	I 1.58 I	I 7.45 I	I .537 I
I 10 I	I 635.0 I	I 4.25 I	I 12.13 I	I .326 I

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 234 CFS



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-625-023-000-000-R0004

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 8, T12S, R8W
D. Latitude, Longitude	44° 33', 123° 49'
E. Stream Name	Elk Creek
F. Major Basin Name	Mid Coast
G. River Mile	21.4 to 23.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

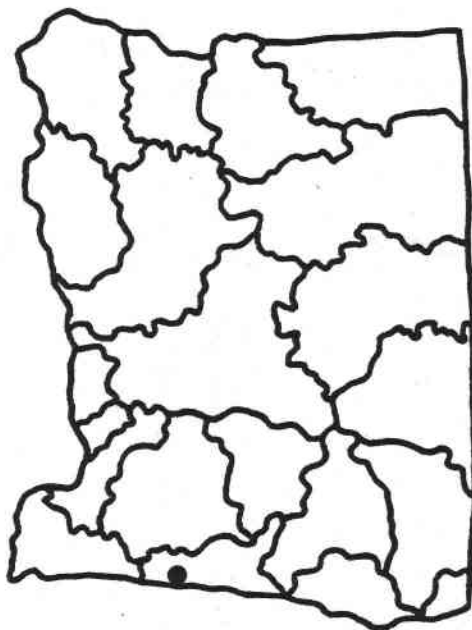
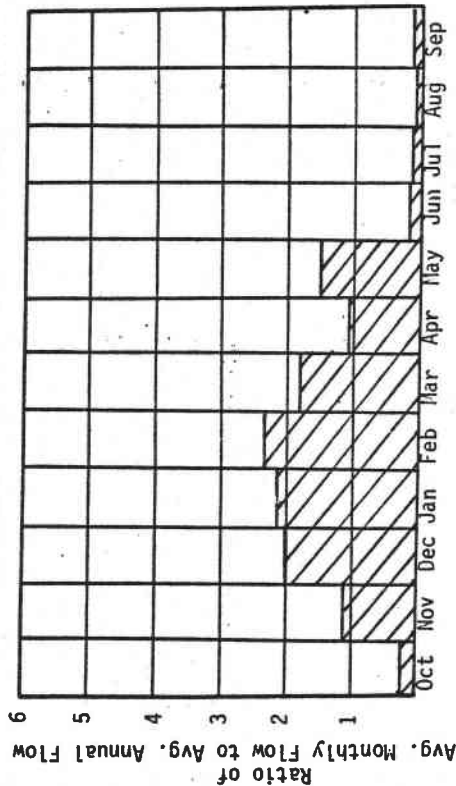
A. Upstream Elevation of Reach	250	Ft. MSL
B. Downstream Elevation of Reach	200	Ft. MSL
C. Total Available Head in Reach	50	Ft.
D. Average Slope in Reach	31.2	Ft./Mi.
E. Drainage Area above Reach Mouth	33	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

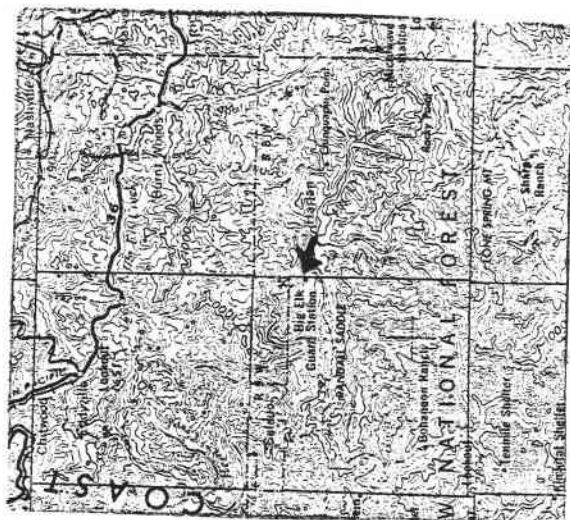
I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95	I 7.8 I	I .03 I	I .29 I	I 1.000 I
I 80	I 14.9 I	I .06 I	I .52 I	I .940 I
I 50	I 65.8 I	I .28 I	I 1.75 I	I .716 I
I 30	I 149.5 I	I .63 I	I 2.99 I	I .539 I
I 10	I 397.6 I	I 1.68 I	I 4.83 I	I .327 I

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 146 CFS



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-625-023-000-000-R0005

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 8, T12S, R8W
D. Latitude, Longitude	44°31'N, 123°39'W
E. Stream Name	Elk Creek
F. Major Basin Name	Mid Coast
G. River Mile	23.0 to H.W.

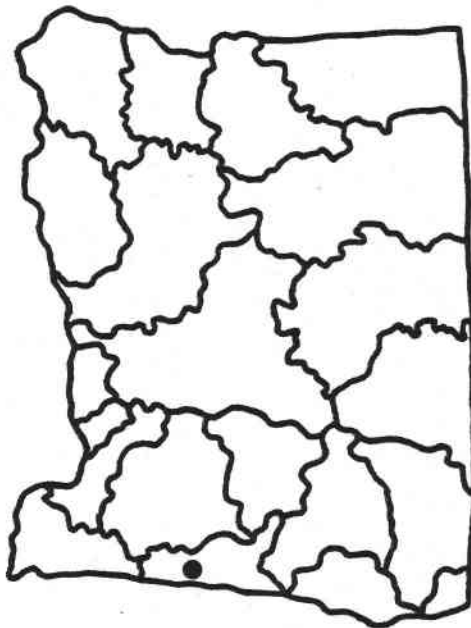
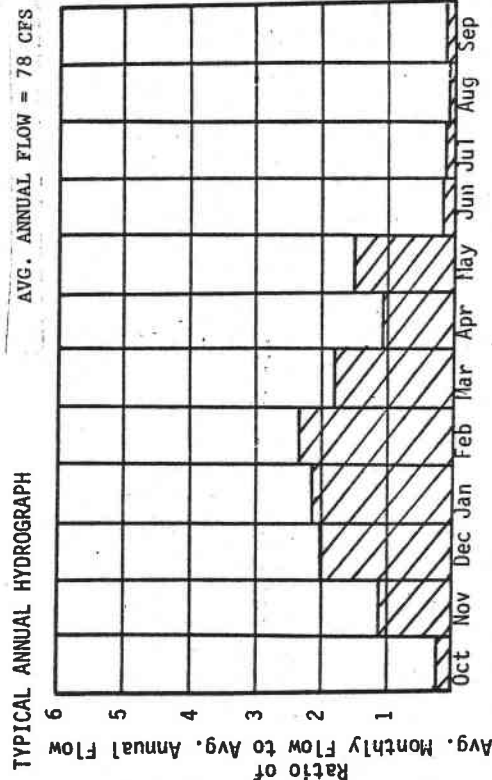
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

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	15	Sq. Mi.
F. Inflow Classification	Natural	

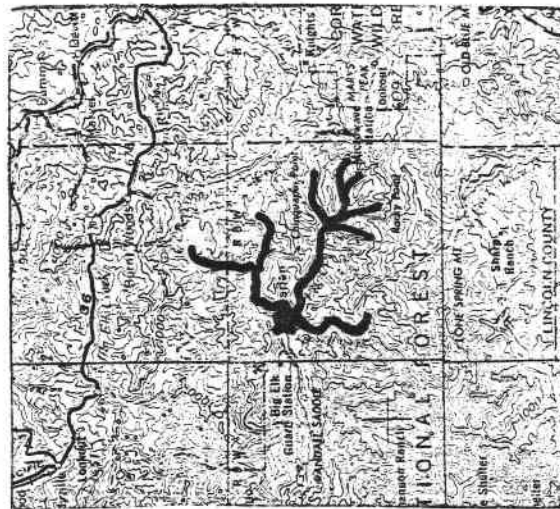
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

ENERGY CHARACTERISTICS				REACH FLOW DURATION AND THEORETICAL POTENTIAL			
I	PERCENTAGE	I	DISCHARGE	I	THEORETICAL	I	ANNUAL ENERGY
I	I	I	CFS	I	PLANT SIZE	I	AVAILABLE
I	I	I	I	I	I	I	I
I	95	I	4.3	I	.02	I	.21
I	80	I	8.4	I	.05	I	.39
I	50	I	36.2	I	.20	I	1.27
I	30	I	81.0	I	.45	I	2.15
I	10	I	212.9	I	1.19	I	3.44
						I	1.000
						I	.939
						I	.717
						I	.542
						I	.330

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-625-000-000-000-R0003

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 36, T10S, R10W
D. Latitude, Longitude	44° 39' N, 123° 51' W
E. Stream Name	Yaquina River
F. Major Basin Name	Mid Coast
G. River Mile	22.4 to 30.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

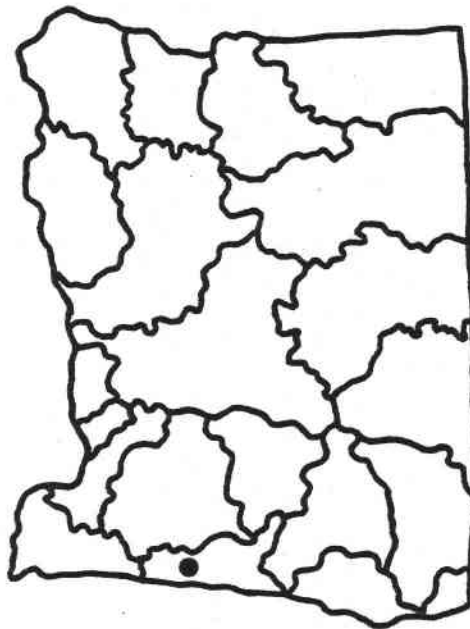
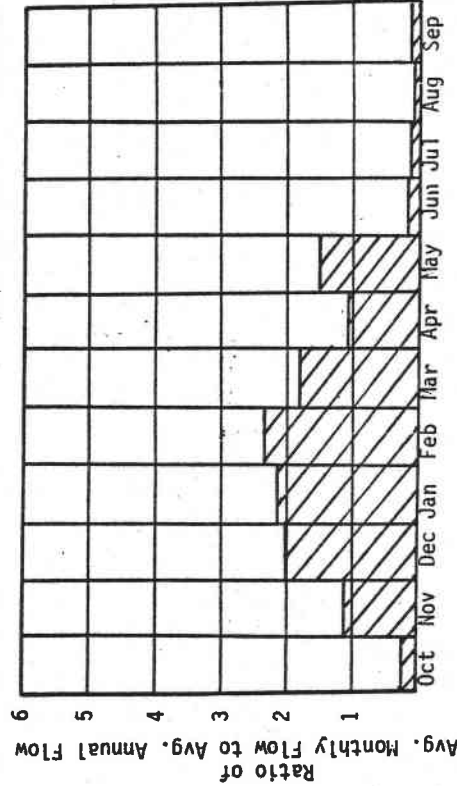
A. Upstream Elevation of Reach	50	Ft. MSL
B. Downstream Elevation of Reach	41	Ft. MSL
C. Total Available Head in Reach	9	Ft.
D. Average Slope in Reach	1.2	Ft./Mi.
E. Drainage Area above Reach Mouth	79	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

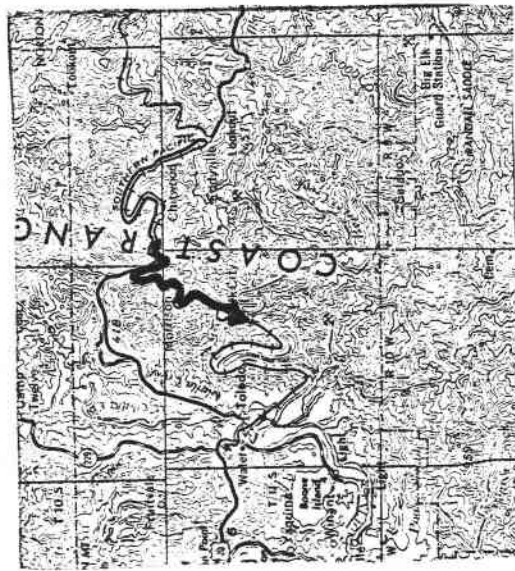
ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I I
I 95 I	I 15.9 I	I .01 I	I .11 I	I 1.000 I
I 80 I	I 30.0 I	I .02 I	I .19 I	I .941 I
I 50 I	I 134.7 I	I .10 I	I .64 I	I .715 I
I 30 I	I 312.3 I	I .24 I	I 1.12 I	I .536 I
I 10 I	I 842.5 I	I .64 I	I 1.83 I	I .324 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-625-000-000-R0004

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 29, T10S, R9W
D. Latitude, Longitude	44°39'N, 123°48'W
E. Stream Name	Yaquina River
F. Major Basin Name	Mid Coast
G. River Mile	30 to 36.3

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

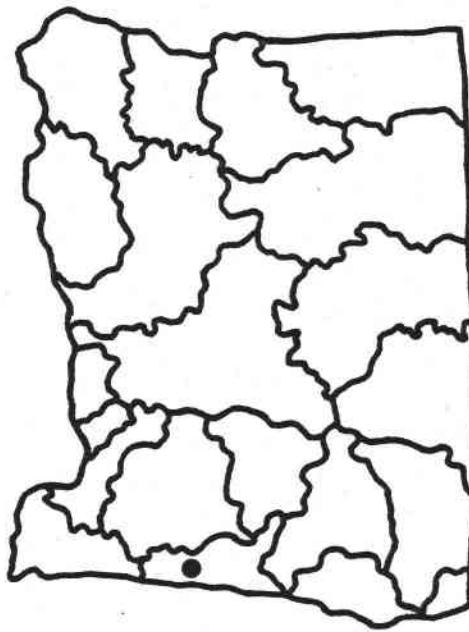
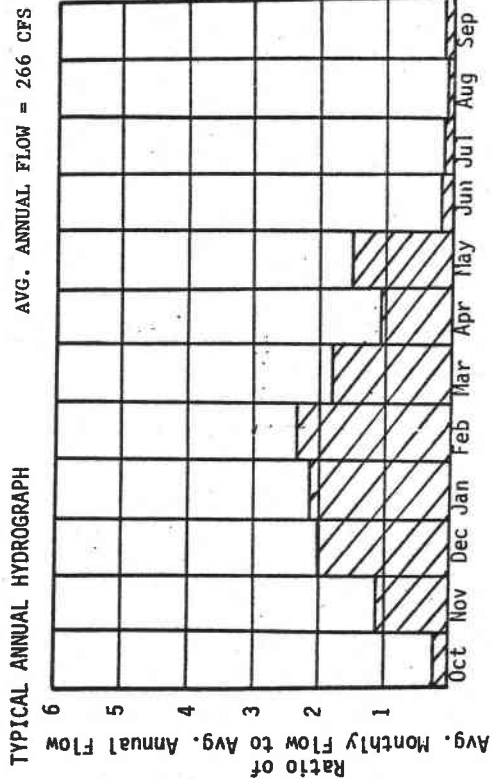
A. Upstream Elevation of Reach	70	Ft. MSL
B. Downstream Elevation of Reach	50	Ft. MSL
C. Total Available Head in Reach	20	Ft.
D. Average Slope in Reach	3.2	Ft./Mi.
E. Drainage Area above Reach Mouth	64	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

ENERGY CHARACTERISTICS

I	PERCENTAGE	I	DISCHARGE	I	THEORETICAL	I	ANNUAL ENERGY	I	PLANT
I	I	I	CFS	I	PLANT SIZE	I	AVAILABLE	I	FACTOR
I	I	I	I	I	MW	I	GNH	I	I
I	95	I	13.7	I	.02	I	.20	I	1.000
I	80	I	25.9	I	.04	I	.36	I	.941
I	50	I	116.0	I	.20	I	1.23	I	.715
I	30	I	267.9	I	.45	I	2.13	I	.536
I	10	I	720.6	I	1.22	I	3.48	I	.325

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-625-030-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 10, T11S, R9W
D. Latitude, Longitude	44°38'N, 123°46'W
E. Stream Name	Little Elk Creek
F. Major Basin Name	Mid Coast
G. River Mile	0.0 to H.W.

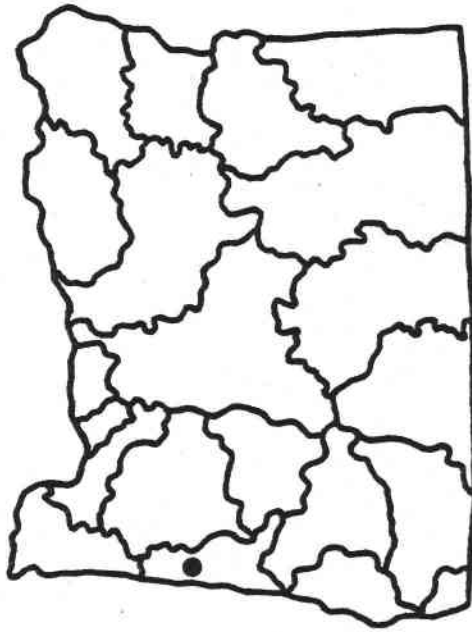
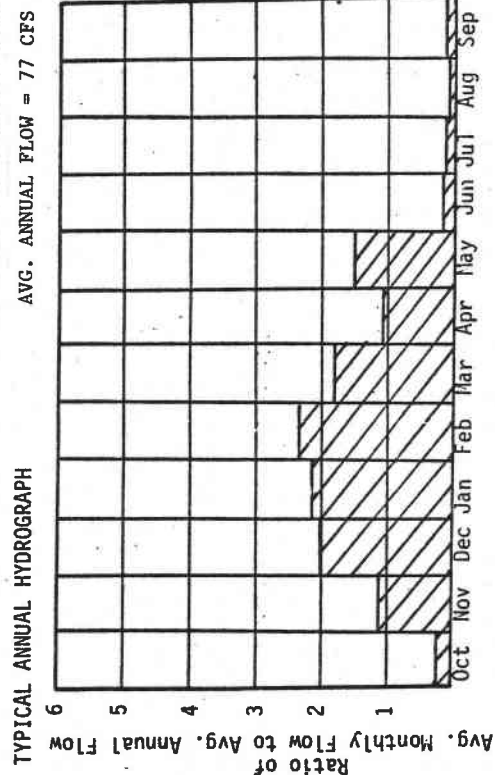
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

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	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I PERCENTAGE I	I DISCHARGE I CFS I	I THEORETICAL I PLANT SIZE I MW I	I ANNUAL ENERGY I AVAILABLE I GWH I	I PLANT I FACTOR I
I 95 I	I 4.2 I	I .02 I	I .21 I	I 1.000 I
I 80 I	I 8.2 I	I .05 I	I .38 I	I .939 I
I 50 I	I 35.4 I	I .20 I	I 1.24 I	I .717 I
I 30 I	I 79.2 I	I .44 I	I 2.10 I	I .542 I
I 10 I	I 208.2 I	I 1.16 I	I 3.37 I	I .330 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-625-000-000-000-R0005

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 35, T10S, R9W
D. Latitude, Longitude	44°40'N, 123°43'W
E. Stream Name	Yaquina River
F. Major Basin Name	Mid Coast
G. River Mile	36.3 to 45.0

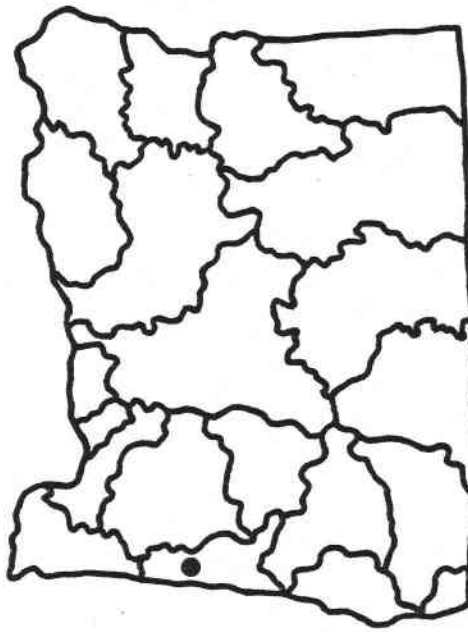
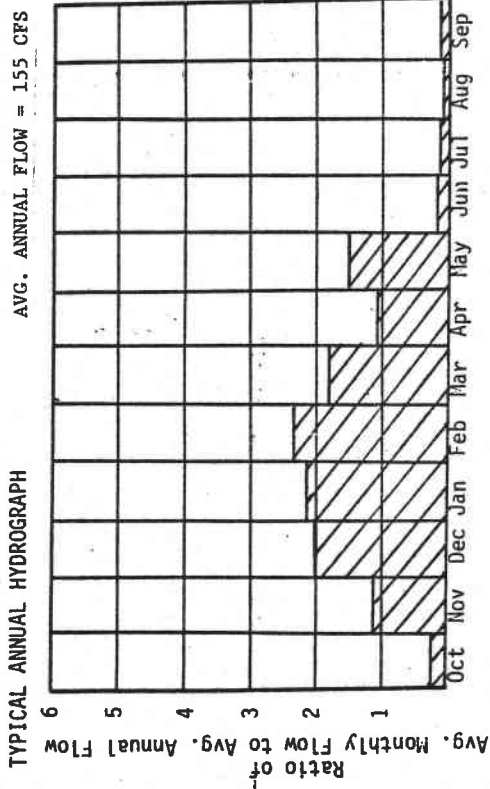
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	160	Ft. MSL
B. Downstream Elevation of Reach	70	Ft. MSL
C. Total Available Head in Reach	90	Ft.
D. Average Slope in Reach	10.3	Ft./Mi.
E. Drainage Area above Reach Mouth	39	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	DISCHARGE I	THEORETICAL I	ANNUAL ENERGY I	PLANT I
I PERCENTAGE I	CFS I	PLANT SIZE I	AVAILABLE I	FACTOR I
I	I	MW I	GWH I	I
I 95	I 8.2	I .06	I .55	I 1.000
I 80	I 15.7	I .12	I .99	I .940
I 50	I 69.4	I .53	I 3.32	I .716
I 30	I 158.0	I 1.20	I 5.69	I .539
I 10	I 420.6	I 3.21	I 9.20	I .327

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-625-000-000-R0006

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 3, T11S, R8W
D. Latitude, Longitude	44°39'N, 123°40'W
E. Stream Name	Yaquina River
F. Major Basin Name	Mid Coast
G. River Mile	45.0 to 49.7

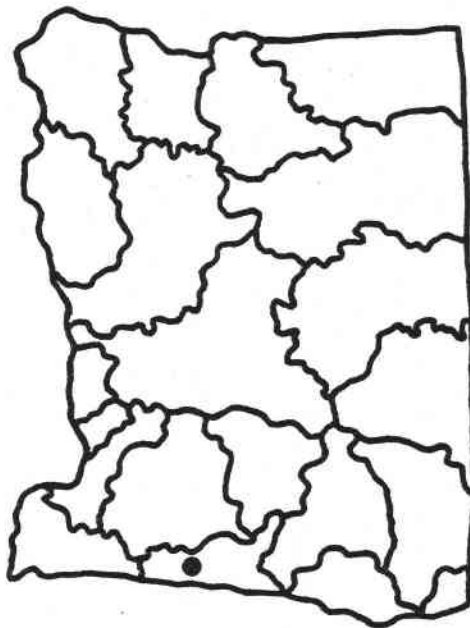
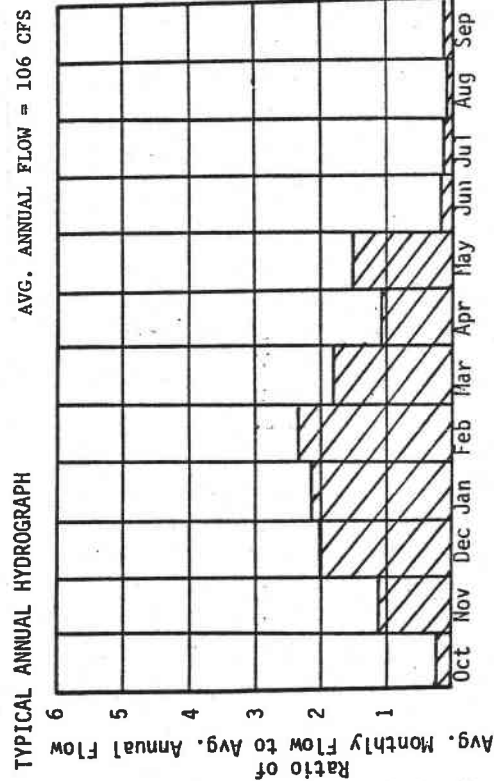
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	200	Ft. MSL
B. Downstream Elevation of Reach	160	Ft. MSL
C. Total Available Head in Reach	40	Ft.
D. Average Slope in Reach	8.5	Ft./Mi.
E. Drainage Area above Reach Mouth	27	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 5.8 I	I .02 I	I .17 I	I 1.000 I
I 80 I	I 11.1 I	I .04 I	I .31 I	I .940 I
I 50 I	I 48.4 I	I .16 I	I 1.03 I	I .716 I
I 30 I	I 109.2 I	I .37 I	I 1.75 I	I .540 I
I 10 I	I 288.8 I	I .98 I	I 2.82 I	I .329 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-625-000-000-R0007

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 2, T11S, R8W
D. Latitude, Longitude	44° 38' N, 123° 37' W
E. Stream Name	Yaquina River
F. Major Basin Name	Mid Coast
G. River Mile	49.7 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

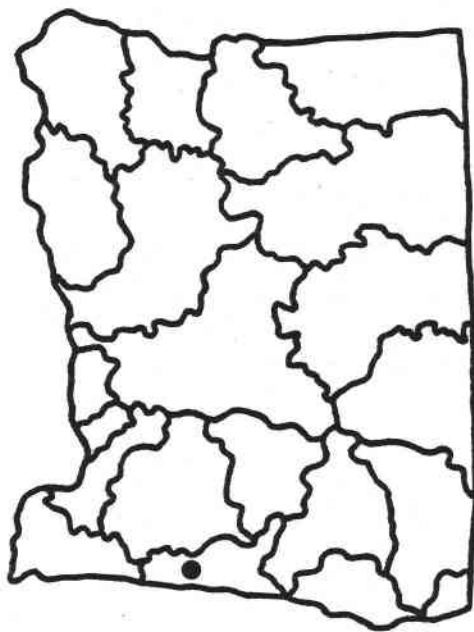
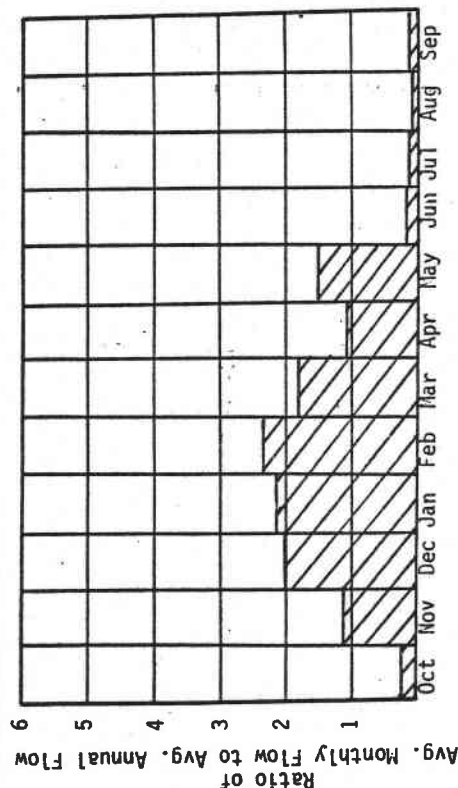
A. Upstream Elevation of Reach	---	Ft. MSL
B. Downstream Elevation of Reach	---	Ft. MSL
C. Total Available Head in Reach	66	Ft.
D. Average Slope in Reach	---	Ft./Mi.
E. Drainage Area above Reach Mouth	16	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I PERCENTAGE I	I DISCHARGE I CFS	I THEORETICAL I PLANT SIZE I MW	I ANNUAL ENERGY I AVAILABLE I GWH	I PLANT I FACTOR I
I 95	I 4.6	I .03	I .23	I 1.000
I 80	I 8.9	I .05	I .41	I .940
I 50	I 38.6	I .22	I 1.35	I .717
I 30	I 86.4	I .48	I 2.29	I .541
I 10	I 227.5	I 1.27	I 3.68	I .330

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 84 CFS



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-630-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 20, T12S, R11W
D. Latitude, Longitude	44°30'N, 124°02'W
E. Stream Name	Beaver Creek
F. Major Basin Name	Mid Coast
G. River Mile	0.0 to 4.3

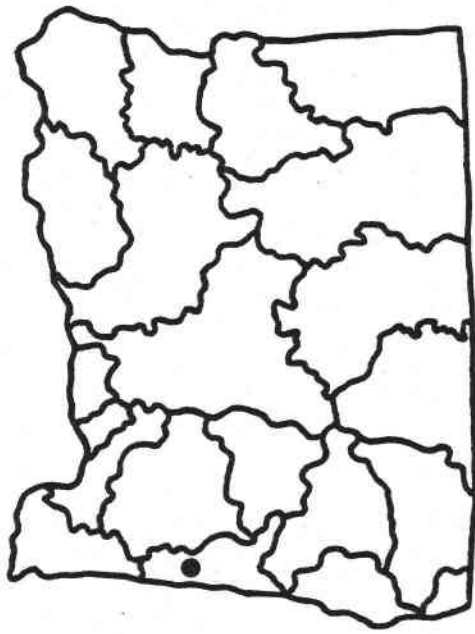
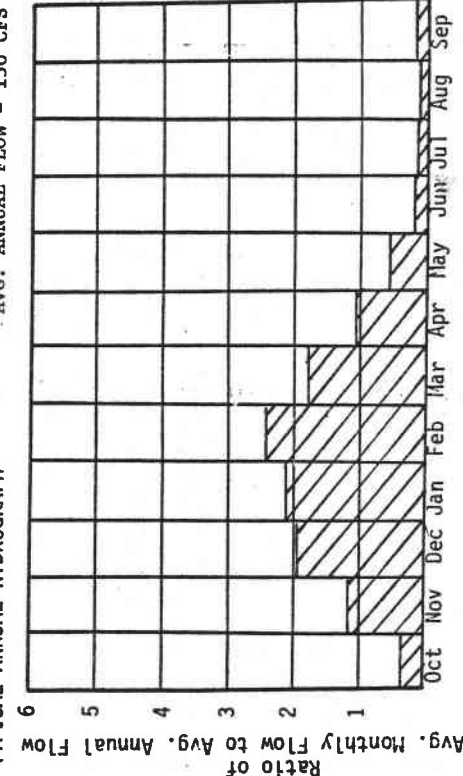
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	29	Ft. MSL
B. Downstream Elevation of Reach	0	Ft. MSL
C. Total Available Head in Reach	29	Ft.
D. Average Slope in Reach	6.7	Ft./Mi.
E. Drainage Area above Reach Mouth	38	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

ENERGY CHARACTERISTICS			
I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I
I PERCENTAGE I	I CFS	I PLANT SIZE I	I AVAILABLE I
I	I	I MW	I GWH
I 95	I 7.0	I .02	I .15
I 80	I 13.4	I .03	I .27
I 50	I 58.7	I .14	I .90
I 30	I 133.0	I .33	I 1.54
I 10	I 353.0	I .87	I 2.49
			I 1.000
			I .940
			I .716
			I .539
			I .328

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-630-000-000-R0002

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 21, T12S, R11W
D. Latitude, Longitude	44° 31' N, 123° 59' W
E. Stream Name	Beaver Creek
F. Major Basin Name	Mid Coast
G. River Mile	4.3 to H.W.

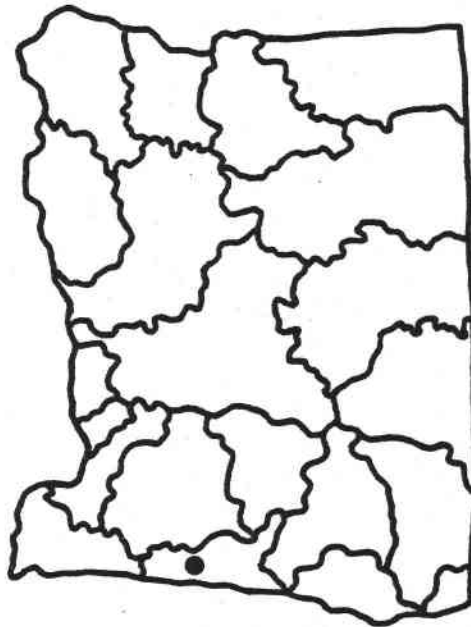
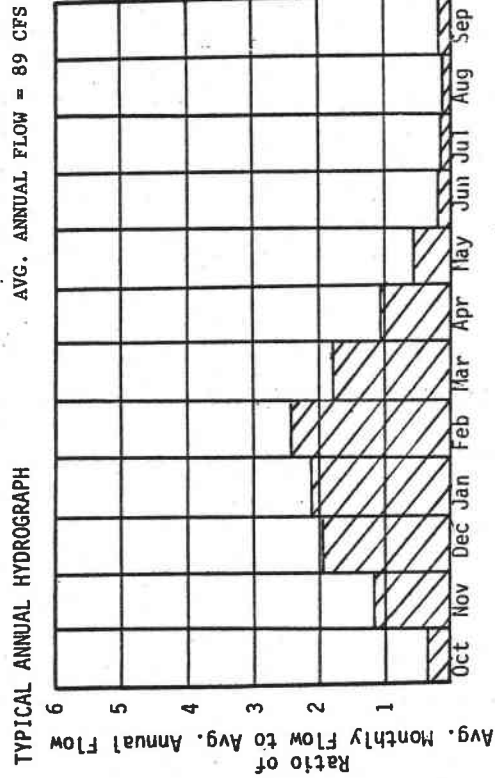
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

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	18	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

ENERGY CHARACTERISTICS									
I	PERCENTAGE	I	DISCHARGE	I	THEORETICAL	I	ANNUAL ENERGY	I	PLANT
I	I	I	CFS	I	PLANT SIZE	I	AVAILABLE	I	FACTOR
I	I	I	I	I	MW	I	I	I	I
I	95	I	4.9	I	.03	I	.24	I	1.000
I	80	I	9.4	I	.05	I	.43	I	.940
I	50	I	41.0	I	.23	I	1.44	I	.717
I	30	I	92.0	I	.51	I	2.44	I	.541
I	10	I	242.6	I	1.36	I	3.92	I	.329

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 17, T13S, R11W
D. Latitude, Longitude	44°26'N, 124°02'W
E. Stream Name	Alesea River
F. Major Basin Name	Mid Coast
G. River Mile	0.0 to 5.1

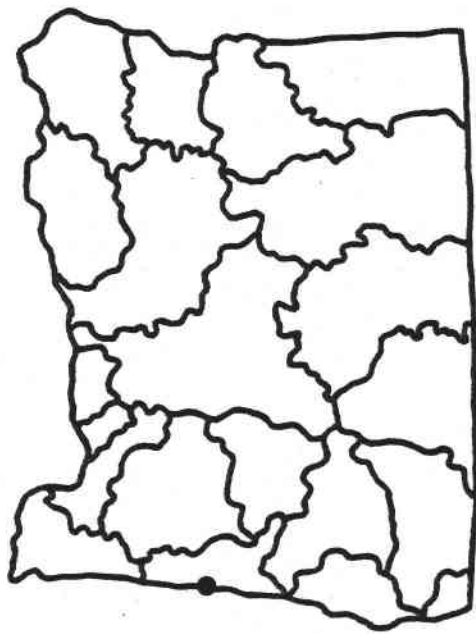
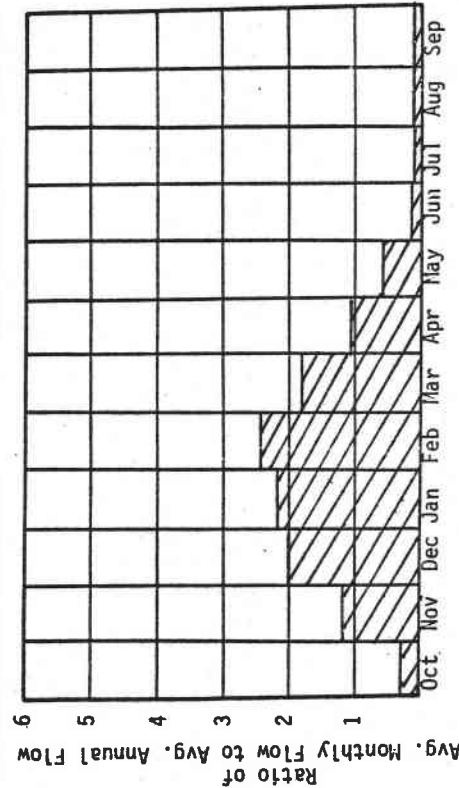
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	14	Ft. MSL
B. Downstream Elevation of Reach	0	Ft. MSL
C. Total Available Head in Reach	14	Ft.
D. Average Slope in Reach	2.7	Ft./Mi.
E. Drainage Area above Reach Mouth	433	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 90.4 I	I .11 I	I .94 I	I 1.000 I
I 80 I	I 164.6 I	I .20 I	I 1.61 I	I .944 I
I 50 I	I 778.4 I	I .92 I	I 5.76 I	I .712 I
I 30 I	I 1892.8 I	I 2.25 I	I 10.39 I	I .528 I
I 10 I	I 5285.5 I	I 6.27 I	I 17.45 I	I .318 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-022-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec.13, T13S, R11W
D. Latitude, Longitude	44°27'N, 123°58'W
E. Stream Name	Drift Creek
F. Major Basin Name	Mid Coast
G. River Mile	0.0 to 8.5

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

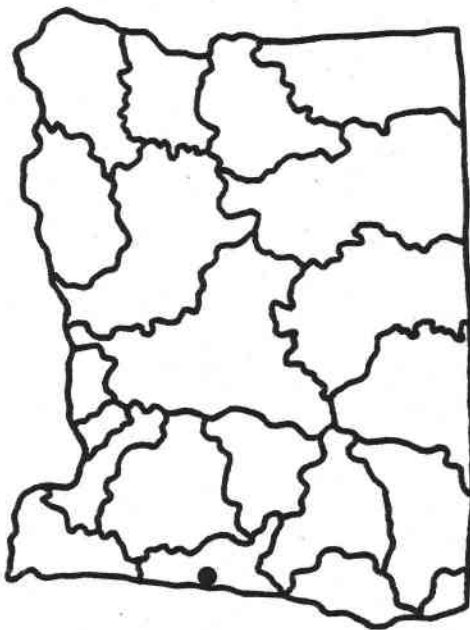
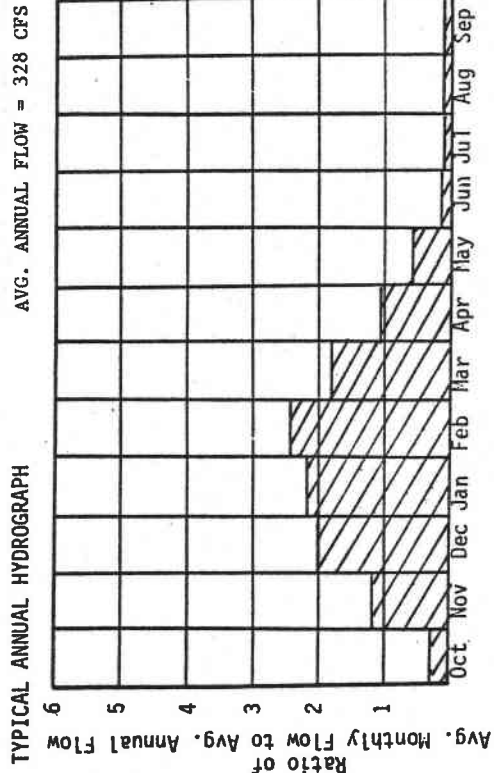
A. Upstream Elevation of Reach	48	Ft. MSL
B. Downstream Elevation of Reach	14	Ft. MSL
C. Total Available Head in Reach	34	Ft.
D. Average Slope in Reach	4	Ft./Mi.
E. Drainage Area above Reach Mouth	68	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I	I
I 95	I 16.8	I .05	I .42	I 1.000
I 80	I 31.6	I .09	I .75	I .941
I 50	I 142.3	I .41	I 2.57	I .715
I 30	I 330.3	I .95	I 4.46	I .536
I 10	I 891.9	I 2.57	I 7.30	I .324

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-022-000-000-R0002

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 8, T13S, R10W
D. Latitude, Longitude	44° 34' N, 123° 55' W
E. Stream Name	Drift Creek
F. Major Basin Name	Mid Coast
G. River Mile	8.5 to 15.5

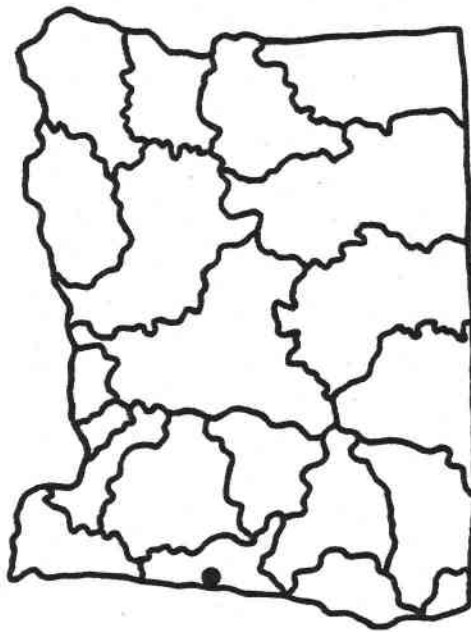
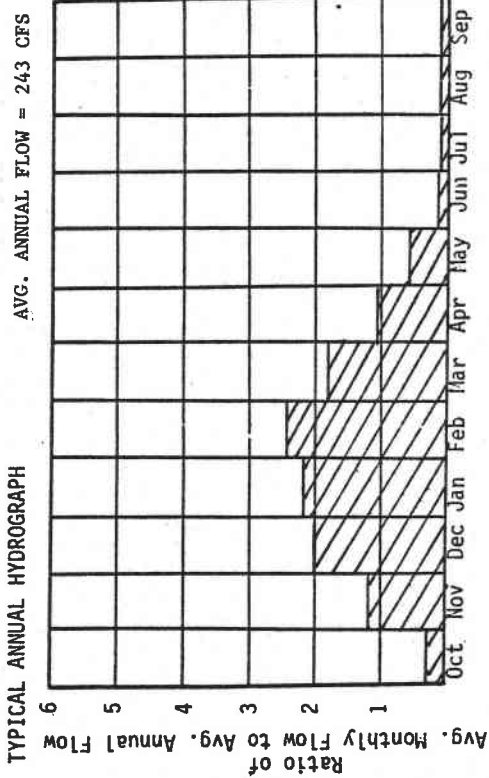
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	238	Ft. MSL
B. Downstream Elevation of Reach	48	Ft. MSL
C. Total Available Head in Reach	190	Ft.
D. Average Slope in Reach	27.1	Ft./Mi.
E. Drainage Area above Reach Mouth	52	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 12.6 I	I .20 I	I 1.78 I	I 1.000 I
I 80 I	I 23.9 I	I .38 I	I 3.17 I	I .941 I
I 50 I	I 106.7 I	I 1.72 I	I 10.76 I	I .715 I
I 30 I	I 245.8 I	I 3.96 I	I 18.61 I	I .537 I
I 10 I	I 660.1 I	I 10.63 I	I 30.30 I	I .325 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-022-000-000-R0003

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 26, T12S, R10W
D. Latitude, Longitude	44°29'N, 123°50'W
E. Stream Name	Drift Creek
F. Major Basin Name	Mid Coast
G. River Mile	15.5 to 20.8

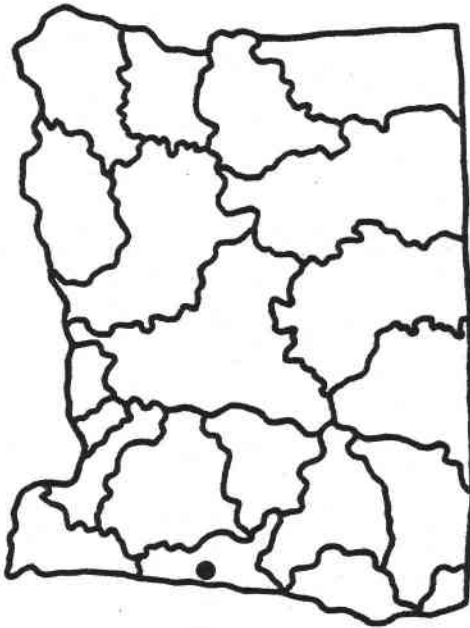
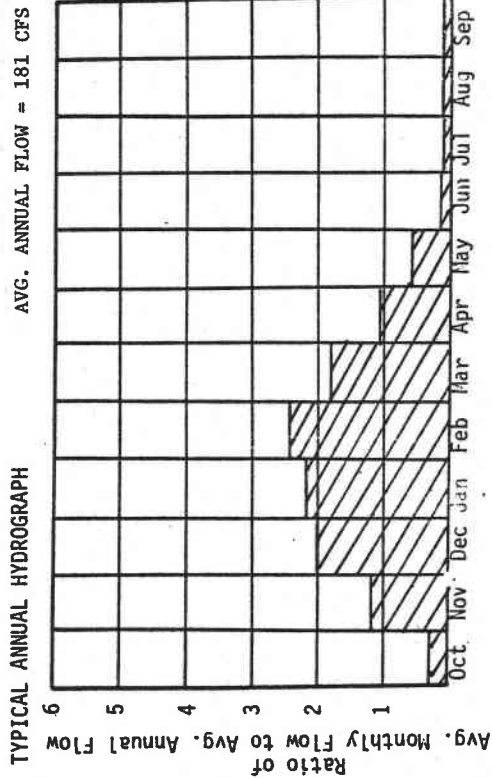
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	416	Ft. MSL
B. Downstream Elevation of Reach	238	Ft. MSL
C. Total Available Head in Reach	178	Ft.
D. Average Slope in Reach	33.6	Ft./Mi.
E. Drainage Area above Reach Mouth	39	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 9.5 I	I .14 I	I 1.26 I	I 1.000 I
I 80 I	I 18.2 I	I .27 I	I 2.26 I	I .941 I
I 50 I	I 80.4 I	I 1.21 I	I 7.60 I	I .716 I
I 30 I	I 183.7 I	I 2.77 I	I 13.06 I	I .538 I
I 10 I	I 490.6 I	I 7.40 I	I 21.17 I	I .327 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-022-000-000-R0004

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 24, T12S, R10W
D. Latitude, Longitude	44°32'N, 123°51'W
E. Stream Name	Drift Creek
F. Major Basin Name	Mid Coast
G. River Mile	20.8 to 23.0

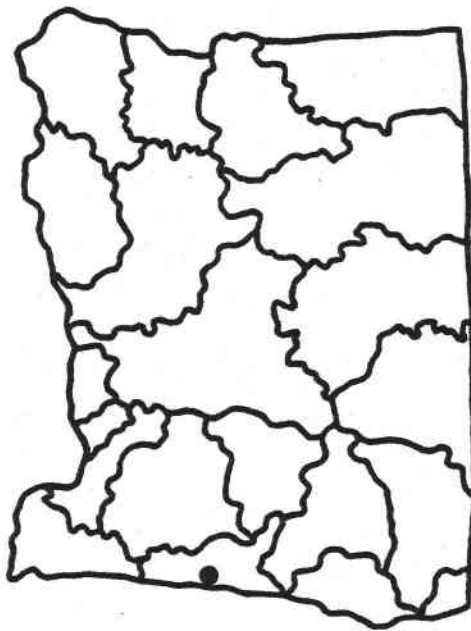
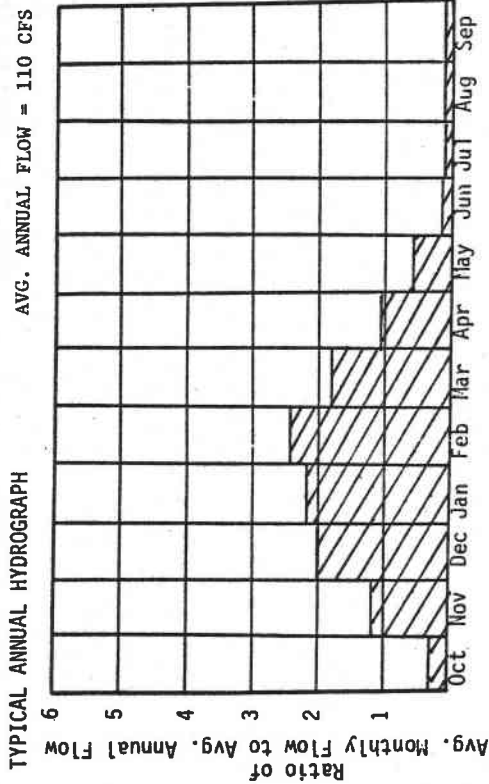
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	535	Ft. MSL
B. Downstream Elevation of Reach	416	Ft. MSL
C. Total Available Head in Reach	119	Ft.
D. Average Slope in Reach	54.1	Ft./Mi.
E. Drainage Area above Reach Mouth	23	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

ENERGY CHARACTERISTICS			
I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I
I	I	I MW I	I GWH I
I 95 I	I 6.0 I	I .06 I	I .53 I
I 80 I	I 11.5 I	I .12 I	I .96 I
I 50 I	I 50.2 I	I .51 I	I 3.18 I
I 30 I	I 113.4 I	I 1.14 I	I 5.41 I
I 10 I	I 300.0 I	I 3.03 I	I 8.71 I
			I 1.000 I
			I .940 I
			I .716 I
			I .540 I
			I .329 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-022-000-000-R0005

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 19, T12S, R9W
D. Latitude, Longitude	44°28'N, 123°48'W
E. Stream Name	Drift Creek
F. Major Basin Name	Mid Coast
G. River Mile	23.0 to H.W.

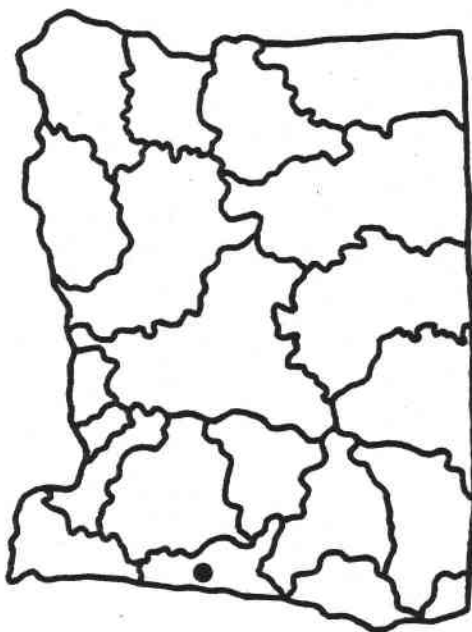
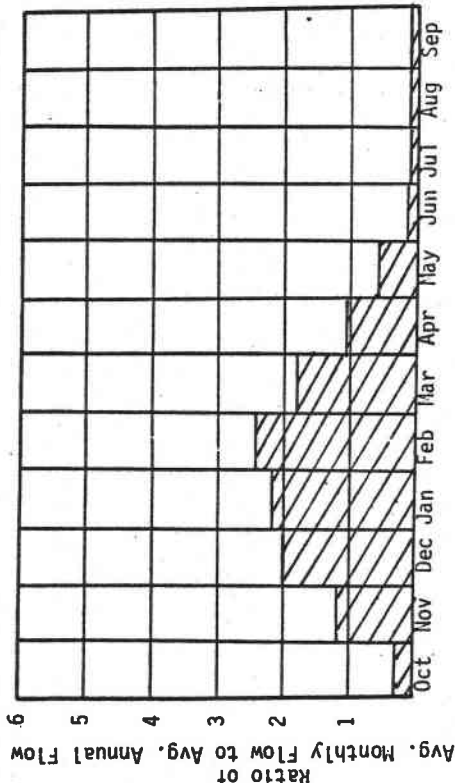
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

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	15	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 4.9 I	I .03 I	I .24 I	I 1.000 I
I 80 I	I 9.5 I	I .05 I	I .44 I	I .940 I
I 50 I	I 41.3 I	I .23 I	I 1.45 I	I .717 I
I 30 I	I 92.8 I	I .52 I	I 2.46 I	I .541 I
I 10 I	I 244.6 I	I 1.37 I	I 3.95 I	I .329 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-000-000-R0002

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 25, T13S, R11W
D. Latitude, Longitude	44° 25' N, 123° 56' W
E. Stream Name	Alsea River
F. Major Basin Name	Mid Coast
G. River Mile	5.1 to 9.7

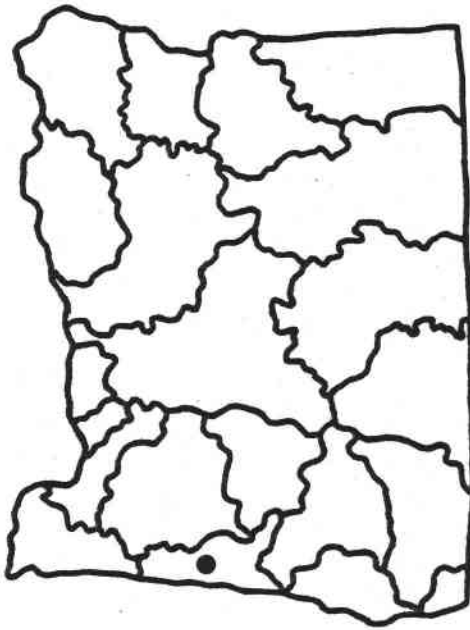
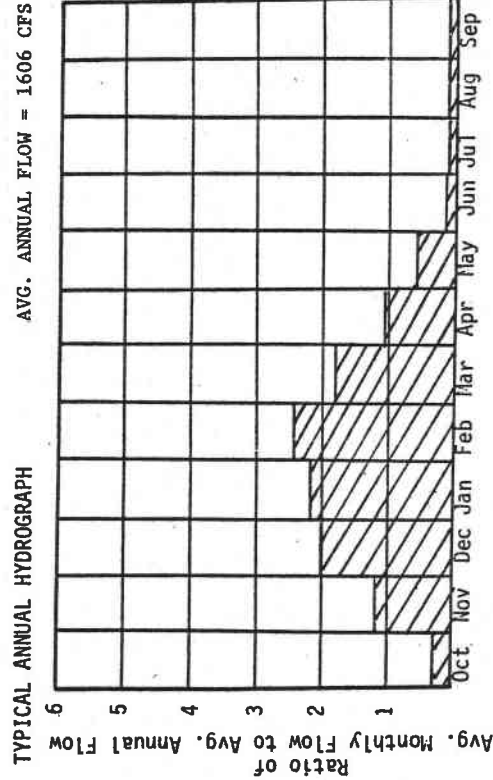
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	34	Ft. MSL
B. Downstream Elevation of Reach	14	Ft. MSL
C. Total Available Head in Reach	20	Ft.
D. Average Slope in Reach	4.3	Ft./Mi.
E. Drainage Area above Reach Mouth	355	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I I
I 95 I	I 75.3 I	I .13 I	I 1.12 I	I 1.000 I
I 80 I	I 137.6 I	I .23 I	I 1.93 I	I .943 I
I 50 I	I 646.9 I	I 1.10 I	I 6.84 I	I .712 I
I 30 I	I 1565.3 I	I 2.65 I	I 12.30 I	I .529 I
I 10 I	I 4354.8 I	I 7.38 I	I 20.58 I	I .318 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-000-000-000-R0003

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 34, T13S, R10W
D. Latitude, Longitude	44°24'N, 123°52'W
E. Stream Name	Alsea River
F. Major Basin Name	Mid Coast
G. River Mile	9.7 to 18.6

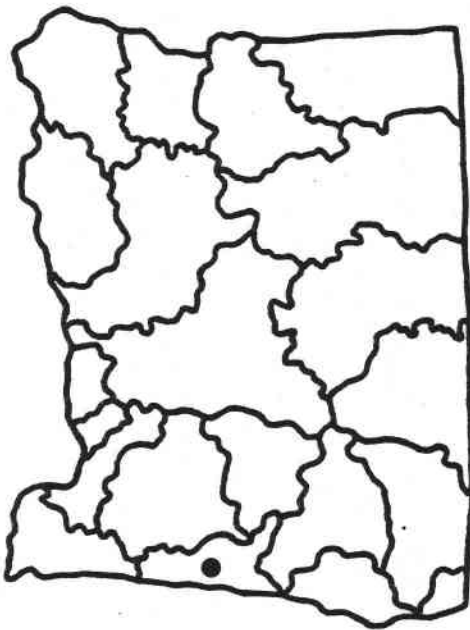
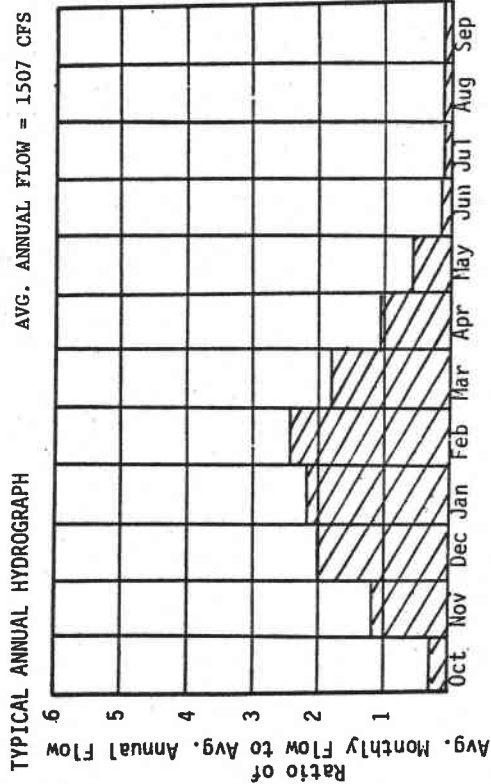
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	47	Ft. MSL
B. Downstream Elevation of Reach	34	Ft. MSL
C. Total Available Head in Reach	13	Ft.
D. Average Slope in Reach	1.5	Ft./Mi.
E. Drainage Area above Reach Mouth	331	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I I	I I	I MW I	I GWH I	I I
I 95 I	I 70.9 I	I .08 I	I .68 I	I 1.000 I
I 80 I	I 129.7 I	I .14 I	I 1.18 I	I .943 I
I 50 I	I 608.9 I	I .67 I	I 4.19 I	I .712 I
I 30 I	I 1470.7 I	I 1.62 I	I 7.51 I	I .529 I
I 10 I	I 4086.9 I	I 4.50 I	I 12.56 I	I .319 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-000-000-000-R0004

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 6, T14S, R9W
D. Latitude, Longitude	44°22', 123°50'
E. Stream Name	Alsea River
F. Major Basin Name	Mid Coast
G. River Mile	18.6 to 25.1

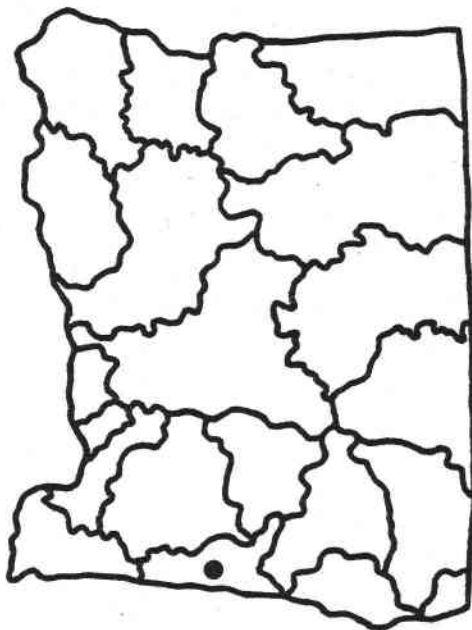
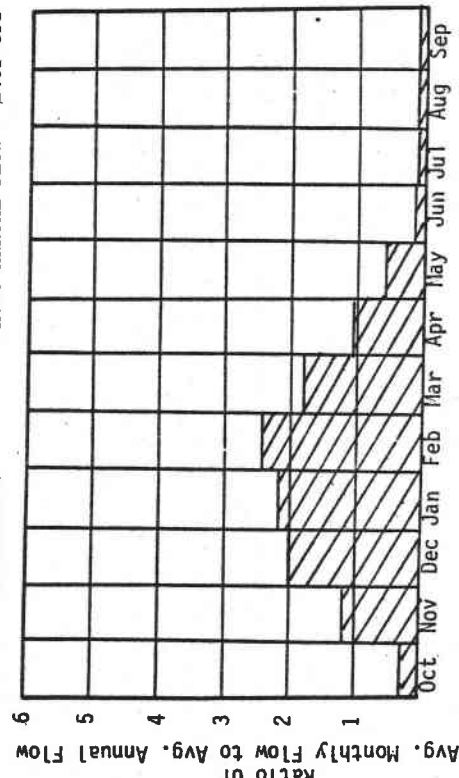
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	88	Ft. MSL
B. Downstream Elevation of Reach	47	Ft. MSL
C. Total Available Head in Reach	41	Ft.
D. Average Slope in Reach	6.3	Ft./Mi.
E. Drainage Area above Reach Mouth	309	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

ENERGY CHARACTERISTICS				THEORETICAL I ANNUAL ENERGY I PLANT I			
I EXCEEDANCE I	I DISCHARGE I	I CFS I	I PERCENTAGE I	I THEORETICAL I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I	I	I MW	I	I GWH	I
I 95	I 66.3	I	I .23	I	I 2.02	I 1.000	I
I 80	I 121.5	I	I .42	I	I 3.49	I .943	I
I 50	I 569.4	I	I 1.98	I	I 12.35	I .713	I
I 30	I 1372.9	I	I 4.77	I	I 22.13	I .530	I
I 10	I 3810.2	I	I 13.24	I	I 36.97	I .319	I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-029-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 18, T14S, R9W
D. Latitude, Longitude	44°21'N, 123°47'W
E. Stream Name	Five Rivers
F. Major Basin Name	Mid Coast
G. River Mile	0.0 to 3.3

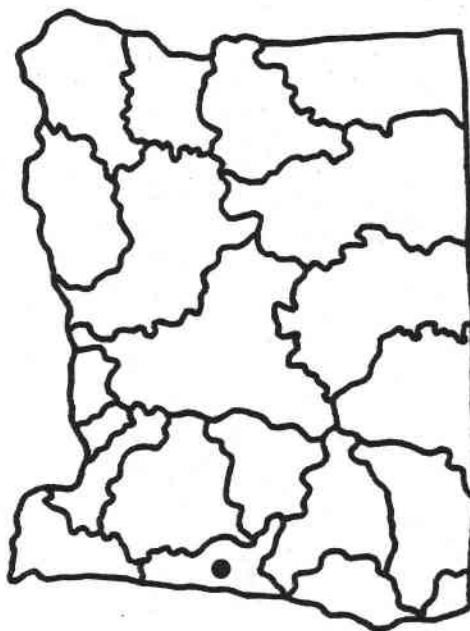
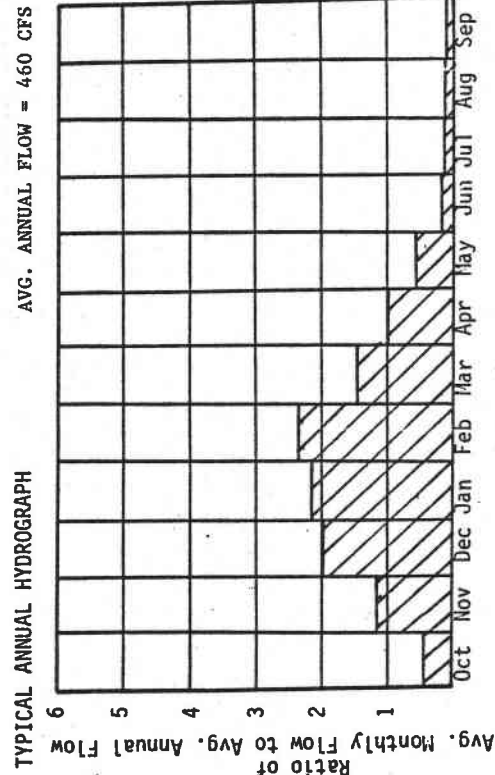
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	140	Ft. MSL
B. Downstream Elevation of Reach	88	Ft. MSL
C. Total Available Head in Reach	52	Ft.
D. Average Slope in Reach	15.8	Ft./Mi.
E. Drainage Area above Reach Mouth	94	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

ENERGY CHARACTERISTICS									
I	PERCENTAGE	I	DISCHARGE	I	THEORETICAL	I	ANNUAL ENERGY	I	PLANT
I	I	I	CFS	I	PLANT SIZE	I	AVAILABLE	I	FACTOR
I	I	I	I	I	MW	I	GWH	I	I
I	95	I	23.1	I	.10	I	.89	I	1.000
I	80	I	43.2	I	.19	I	1.57	I	.942
I	50	I	196.4	I	.87	I	5.42	I	.714
I	30	I	460.1	I	2.03	I	9.49	I	.534
I	10	I	1250.3	I	5.51	I	15.59	I	.323

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-029-005-000-R0001

I. LOCATION

A. State	Oregon
B. County	Benton
C. Township, Range	Sec. 27, T14S, R9W
D. Latitude, Longitude	44°19'N, 123°45'W
E. Stream Name	Lobster Creek
F. Major Basin Name	Mid Coast
G. River Mile	0.0 to 7.8

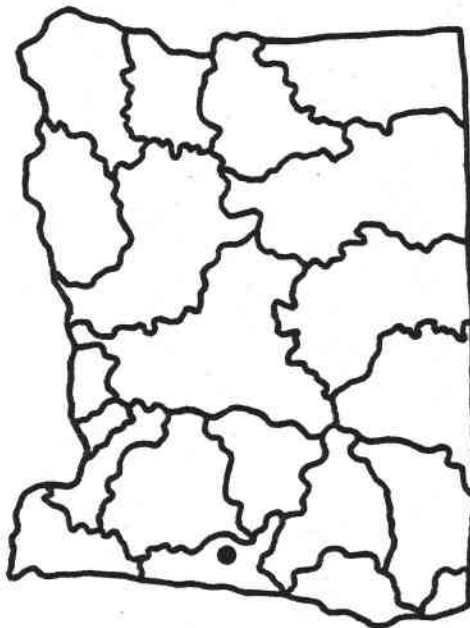
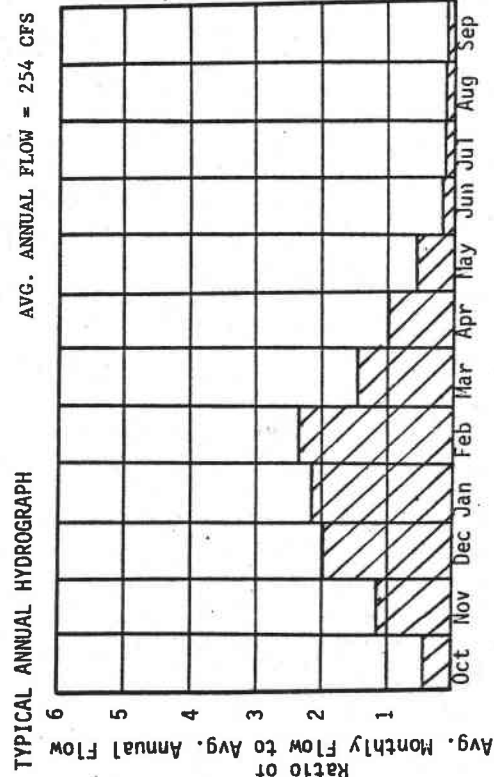
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	198	Ft. MSL
B. Downstream Elevation of Reach	140	Ft. MSL
C. Total Available Head in Reach	58	Ft.
D. Average Slope in Reach	7.2	Ft./Mi.
E. Drainage Area above Reach Mouth	56	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I PERCENTAGE I	I DISCHARGE I CFS I	I THEORETICAL I PLANT SIZE I MW I	I ANNUAL ENERGY I AVAILABLE I GWH I	I PLANT I FACTOR I
I 95 I	I 13.1 I	I .06 I	I .56 I	I 1.000 I
I 80 I	I 24.8 I	I .12 I	I 1.01 I	I .941 I
I 50 I	I 110.9 I	I .55 I	I 3.41 I	I .715 I
I 30 I	I 255.7 I	I 1.26 I	I 5.91 I	I .537 I
I 10 I	I 687.2 I	I 3.38 I	I 9.62 I	I .325 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-029-005-000-R0002

I. LOCATION

A. State	Oregon
B. County	Benton
C. Township, Range	Sec. 6, T14S, R8W
D. Latitude, Longitude	44° 21' N, 123° 43' W
E. Stream Name	Lobster Creek
F. Major Basin Name	Mid Coast
G. River Mile	7.8 to 15.0

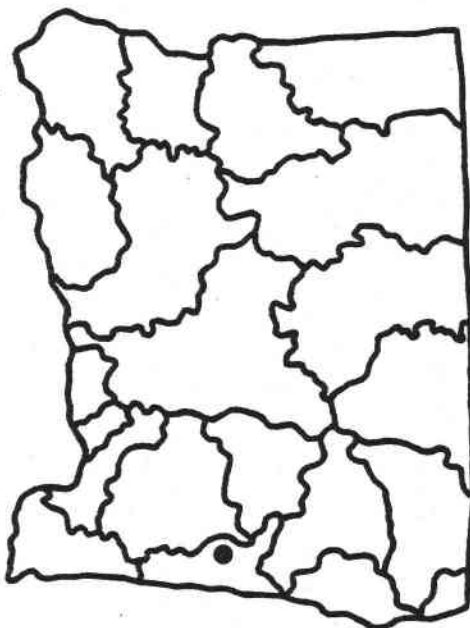
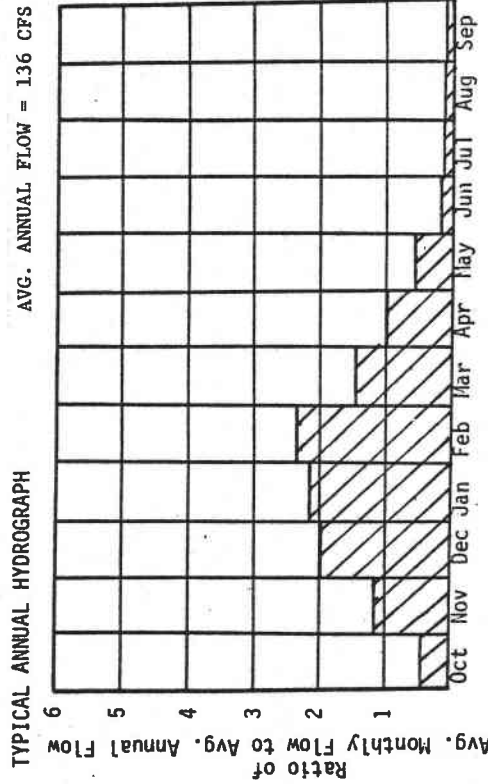
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	520	Ft. MSL
B. Downstream Elevation of Reach	198	Ft. MSL
C. Total Available Head in Reach	322	Ft.
D. Average Slope in Reach	46	Ft./Mi.
E. Drainage Area above Reach Mouth	33	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 7.3 I	I .20 I	I 1.74 I	I 1.000 I
I 80 I	I 14.0 I	I .38 I	I 3.14 I	I .940 I
I 50 I	I 61.4 I	I 1.67 I	I 10.50 I	I .716 I
I 30 I	I 139.3 I	I 3.80 I	I 17.95 I	I .539 I
I 10 I	I 369.9 I	I 10.09 I	I 28.98 I	I .328 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-029-005-000-R0003

I. LOCATION

A. State	Oregon
B. County	Benton-Lane
C. Township, Range	Sec. 9, T15S, R8W
D. Latitude, Longitude	44°17'N, 123°42'W
E. Stream Name	Lobster Creek
F. Major Basin Name	Mid Coast
G. River Mile	15.0 to H.W.

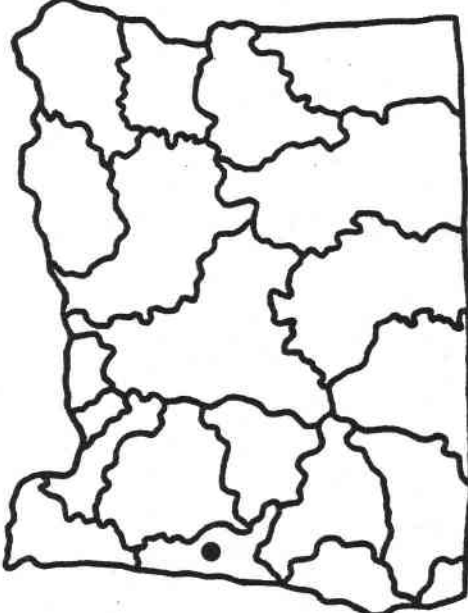
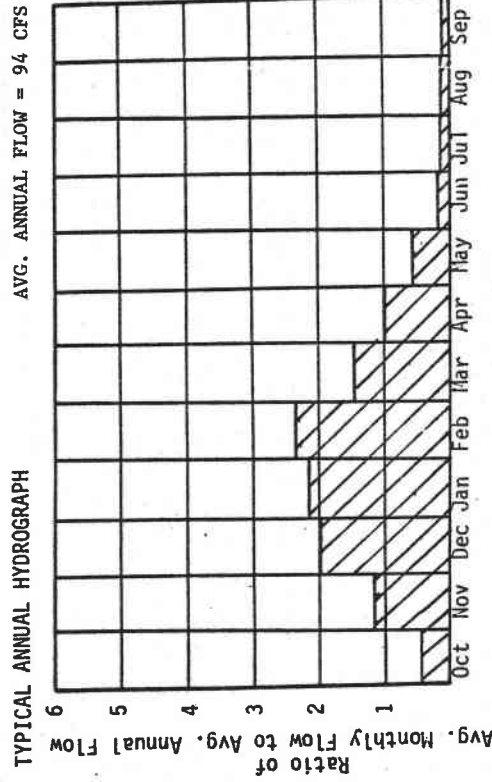
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

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

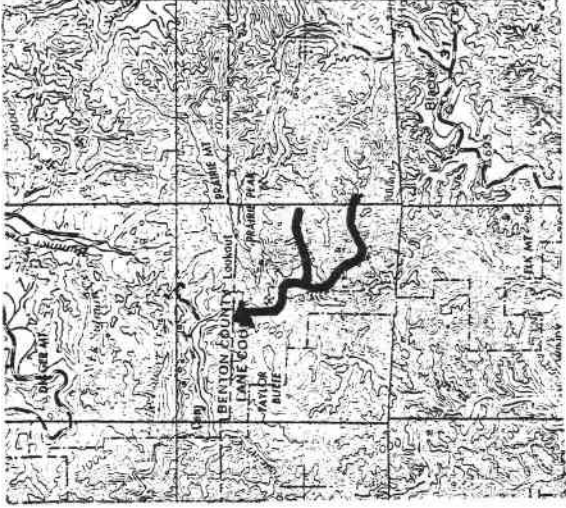
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

ENERGY CHARACTERISTICS				THEORETICAL I ANNUAL ENERGY I PLANT I			
I EXCEEDANCE I	I DISCHARGE I	I CFS I	I THEORETICAL I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I	I
I	I	I	I MW	I	I GWH	I	I
I 95	I 5.1	I	.03	I	.25	I	1,000
I 80	I 9.9	I	.06	I	.45	I	.940
I 50	I 42.9	I	.24	I	1.51	I	.717
I 30	I 96.4	I	.54	I	2.56	I	.541
I 10	I 254.3	I	1.42	I	4.10	I	.329

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-029-000-000-R0002

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 25, T14S, R10W
D. Latitude, Longitude	44°19'N, 123°52'W
E. Stream Name	Five Rivers
F. Major Basin Name	Mid Coast
G. River Mile	3.3 to 9.5

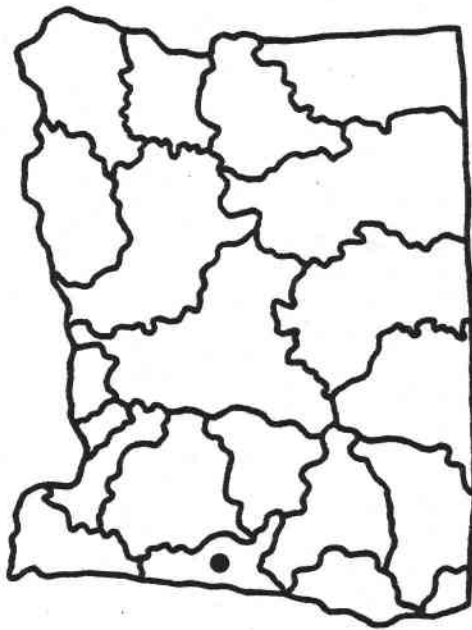
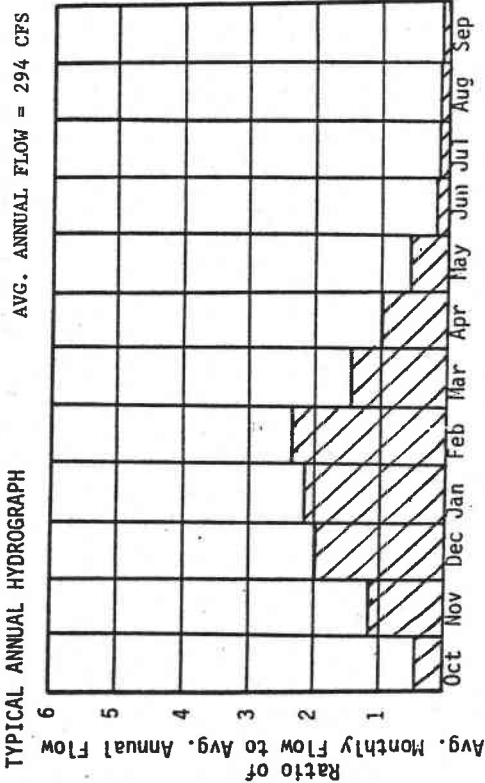
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	195	Ft. MSL
B. Downstream Elevation of Reach	140	Ft. MSL
C. Total Available Head in Reach	55	Ft.
D. Average Slope in Reach	9.7	Ft./Mi.
E. Drainage Area above Reach Mouth	61	Sq. Mi.
F. Inflow Classification	Natural	

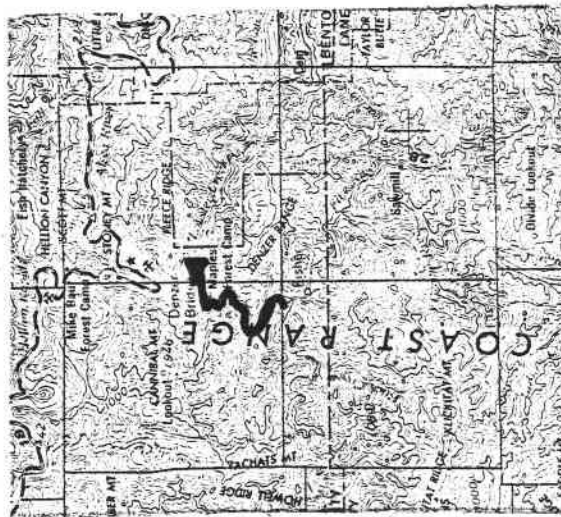
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 15.1 I	I .07 I	I .61 I	I 1.000 I
I 80 I	I 28.5 I	I .13 I	I 1.09 I	I .941 I
I 50 I	I 127.7 I	I .60 I	I 3.73 I	I .715 I
I 30 I	I 295.6 I	I 1.38 I	I 6.47 I	I .536 I
I 10 I	I 796.5 I	I 3.71 I	I 10.56 I	I .325 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-029-000-000-R0003

I. LOCATION

A. State	Oregon
B. County	Lincoln-Lane
C. Township, Range	Sec. 6, T15S, R10W
D. Latitude, Longitude	44°17'N, 123°47'W
E. Stream Name	Five Rivers
F. Major Basin Name	Mid Coast
G. River Mile	9.5 to 14.0

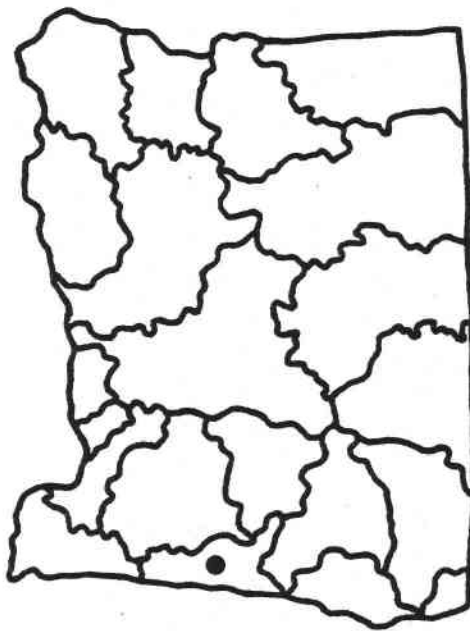
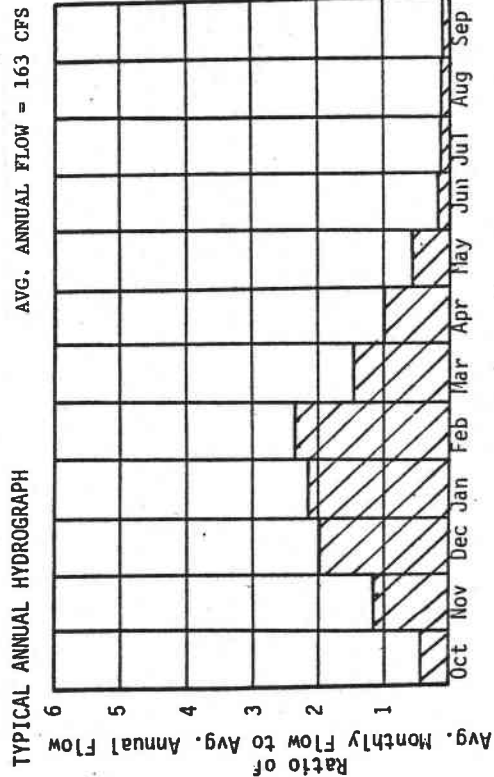
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	245	Ft. MSL
B. Downstream Elevation of Reach	195	Ft. MSL
C. Total Available Head in Reach	50	Ft.
D. Average Slope in Reach	10	Ft./Mi.
E. Drainage Area above Reach Mouth	39	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 8.6 I	I .04 I	I .32 I	I 1.000 I
I 80 I	I 16.5 I	I .07 I	I .58 I	I .940 I
I 50 I	I 72.8 I	I .31 I	I 1.93 I	I .716 I
I 30 I	I 166.0 I	I .70 I	I 3.32 I	I .539 I
I 10 I	I 442.3 I	I 1.87 I	I 5.37 I	I .327 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-029-000-000-R0004

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 8, T15S, R9W
D. Latitude, Longitude	44°14'N, 123°47'W
E. Stream Name	Five Rivers
F. Major Basin Name	Mid Coast
G. River Mile	14.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

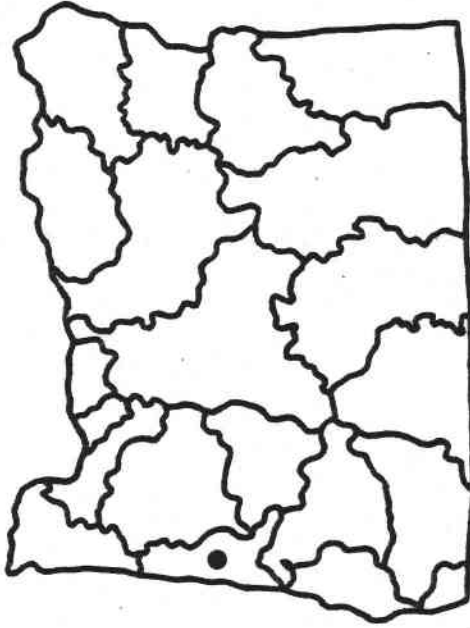
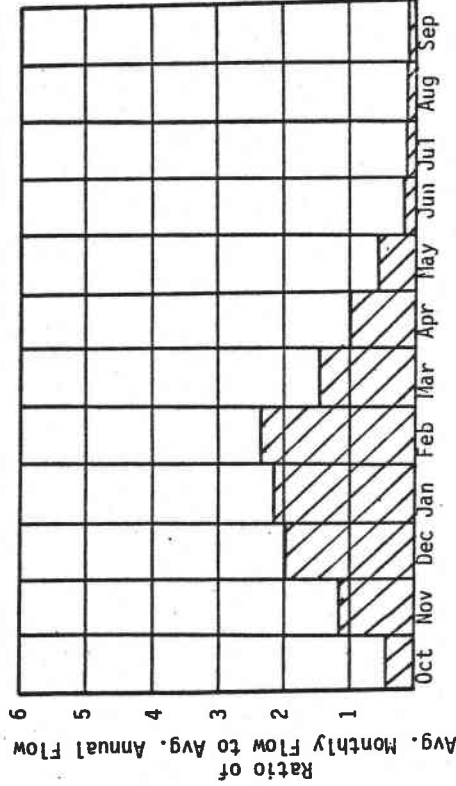
A. Upstream Elevation of Reach	--	Ft. MSL
B. Downstream Elevation of Reach	--	Ft. MSL
C. Total Available Head in Reach	66	Ft.
D. Average Slope in Reach	--	Ft./Mi.
E. Drainage Area above Reach Mouth	21	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 6.3 I	I .04 I	I .31 I	I 1.000 I
I 80 I	I 12.1 I	I .07 I	I .56 I	I .940 I
I 50 I	I 53.1 I	I .30 I	I 1.86 I	I .716 I
I 30 I	I 120.0 I	I .67 I	I 3.17 I	I .540 I
I 10 I	I 317.8 I	I 1.78 I	I 5.11 I	I .328 I

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 117 CFS



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-000-000-R0005

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 4, T14S, R9W
D. Latitude, Longitude	44°18'N, 123°46'W
E. Stream Name	Alsea River
F. Major Basin Name	Mid Coast
G. River Mile	25.1 to 32.2

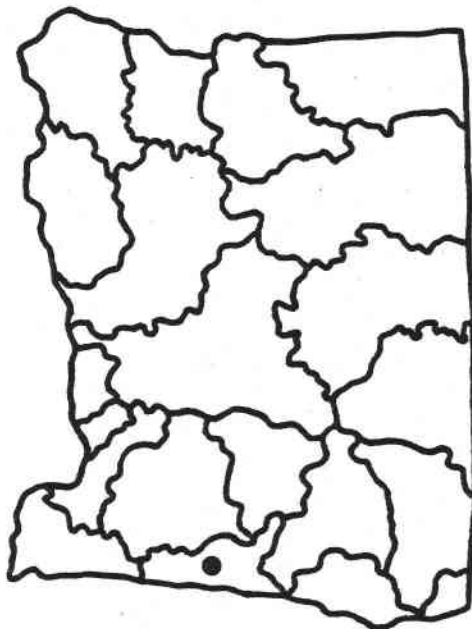
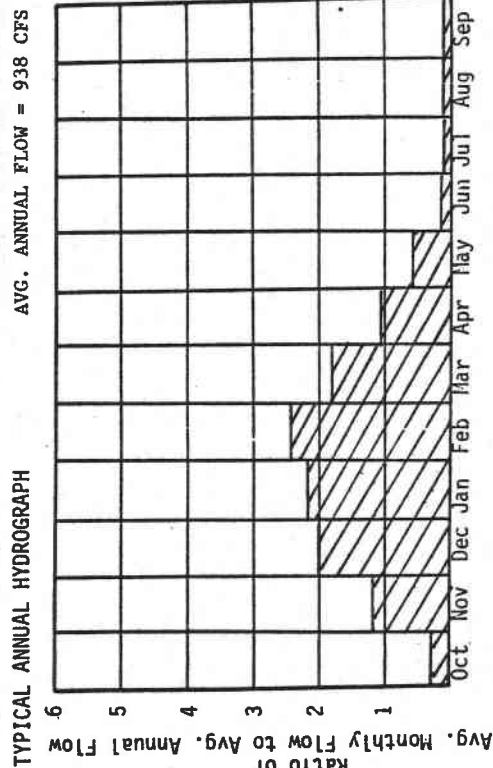
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	180	Ft. MSL
B. Downstream Elevation of Reach	88	Ft. MSL
C. Total Available Head in Reach	92	Ft.
D. Average Slope in Reach	13.1	Ft./Mi.
E. Drainage Area above Reach Mouth	202	Sq. Mi.
F. Inflow Classification	Natural	

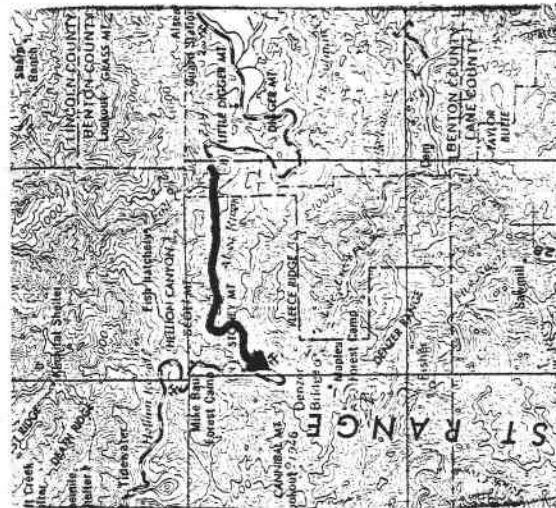
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I I
I 95 I	I 45.2 I	I .35 I	I 3.09 I	I 1.000 I
I 80 I	I 83.5 I	I .65 I	I 5.38 I	I .943 I
I 50 I	I 386.9 I	I 3.02 I	I 18.84 I	I .713 I
I 30 I	I 923.0 I	I 7.20 I	I 33.49 I	I .531 I
I 10 I	I 2542.1 I	I 19.82 I	I 55.61 I	I .320 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-036-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 26, T13S, R9W
D. Latitude, Longitude	44°24'N, 123°45'W
E. Stream Name	Fall Creek
F. Major Basin Name	Mid Coast
G. River Mile	0.0 to 5.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

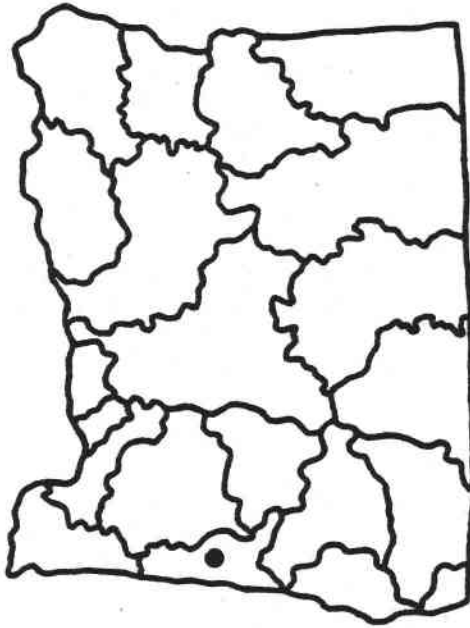
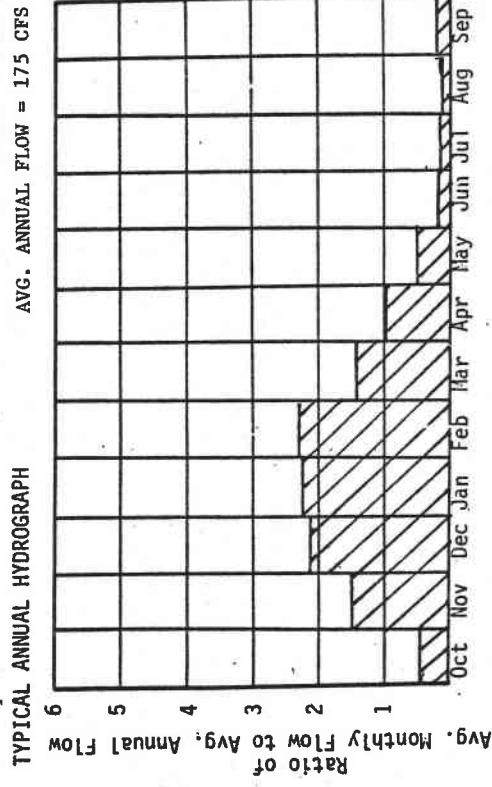
A. Upstream Elevation of Reach	325	Ft. MSL
B. Downstream Elevation of Reach	180	Ft. MSL
C. Total Available Head in Reach	145	Ft.
D. Average Slope in Reach	25.9	Ft./Mi.
E. Drainage Area above Reach Mouth	2.9	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GMH I	I
I 95 I	I 6.8 I	I .08 I	I .74 I	I 1.000 I
I 80 I	I 13.1 I	I .16 I	I 1.33 I	I .940 I
I 50 I	I 57.5 I	I .71 I	I 4.43 I	I .716 I
I 30 I	I 130.3 I	I 1.60 I	I 7.57 I	I .540 I
I 10 I	I 345.5 I	I 4.25 I	I 12.20 I	I .328 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-036-000-000-R0002

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 23, T13S, R8W
D. Latitude, Longitude	44°27'N, 123°43'W
E. Stream Name	Fall Creek
F. Major Basin Name	Mid Coast
G. River Mile	5.6 to H.W.

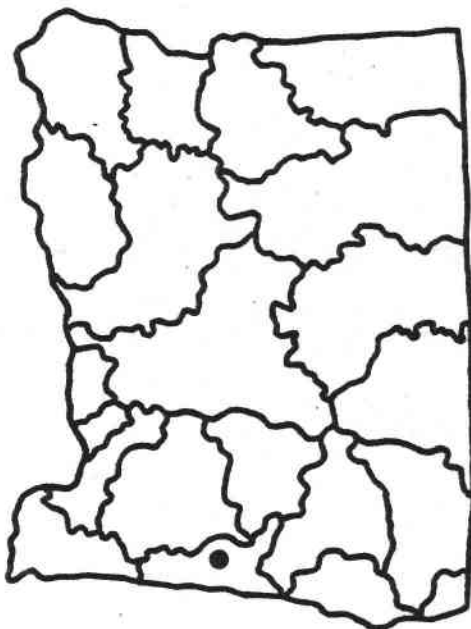
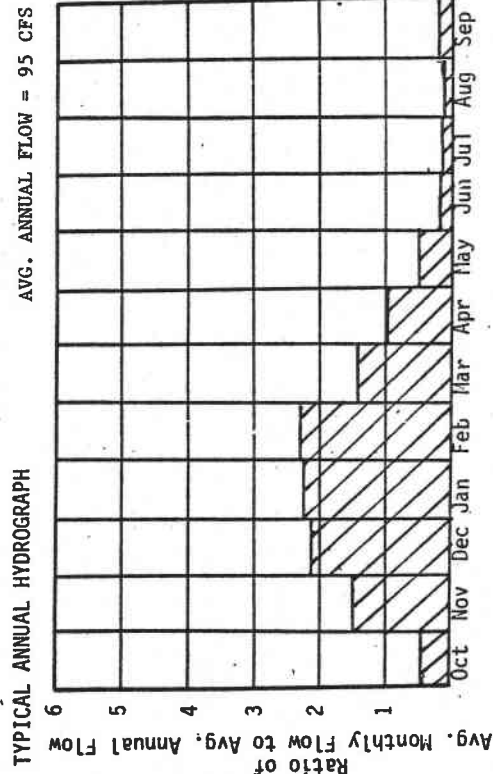
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	Ft. MSL
B. Downstream Elevation of Reach	Ft. MSL
C. Total Available Head in Reach	Ft.
D. Average Slope in Reach	66
E. Drainage Area above Reach Mouth	17
F. Inflow Classification	Sq. Mi.
	Natural

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 5.2 I	I .03 I	I .25 I	I 1.000 I
I 80 I	I 10.0 I	I .06 I	I .46 I	I .940 I
I 50 I	I 43.4 I	I .24 I	I 1.52 I	I .717 I
I 30 I	I 97.5 I	I .55 I	I 2.58 I	I .541 I
I 10 I	I 257.2 I	I 1.44 I	I 4.15 I	I .329 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-000-000-R0006

I. LOCATION

A. State	Oregon
B. County	Benton
C. Township, Range	Sec.13, T14S, R8W
D. Latitude, Longitude	44°21'N, 123°42'W
E. Stream Name	Alsea River
F. Major Basin Name	Mid Coast
G. River Mile	32.2 to 42.0

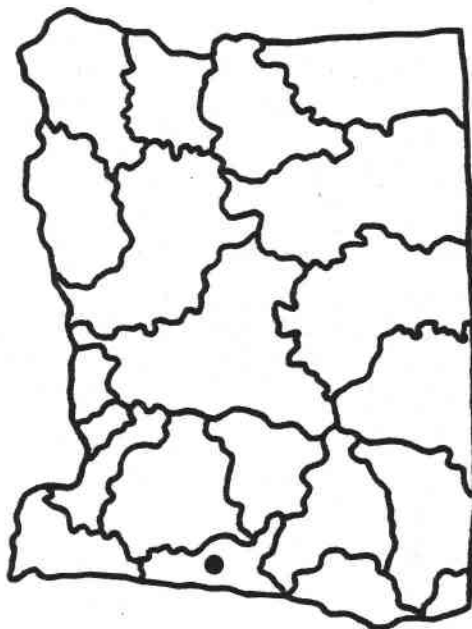
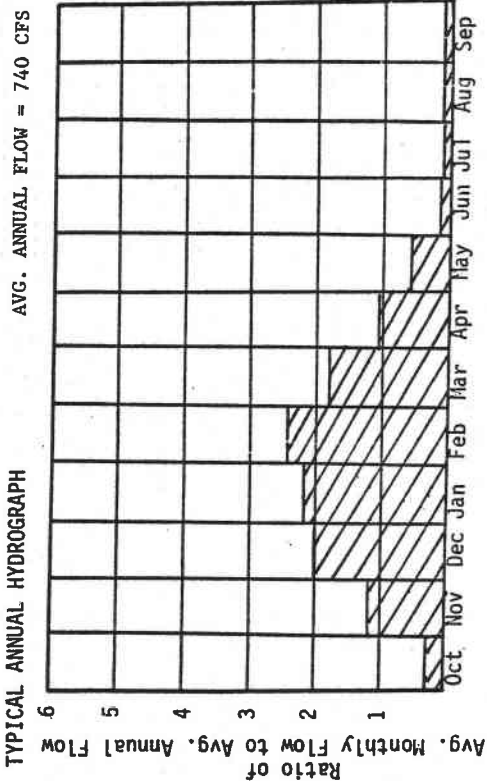
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	238	Ft. MSL
B. Downstream Elevation of Reach	180	Ft. MSL
C. Total Available Head in Reach	58	Ft.
D. Average Slope in Reach	5.9	Ft./Mi.
E. Drainage Area above Reach Mouth	164	Sq. Mi.
F. Inflow Classification	Natural	

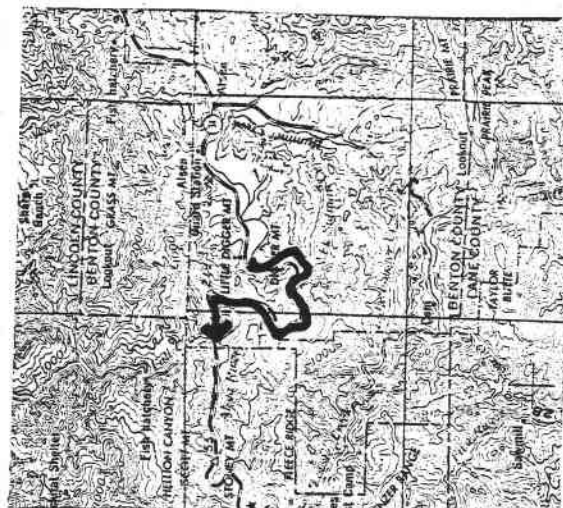
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 36.1 I	I .18 I	I 1.56 I	I 1.000 I
I 80 I	I 67.1 I	I .33 I	I 2.72 I	I .942 I
I 50 I	I 308.7 I	I 1.52 I	I 9.48 I	I .714 I
I 30 I	I 732.0 I	I 3.60 I	I 16.77 I	I .532 I
I 10 I	I 2007.1 I	I 9.87 I	I 27.76 I	I .321 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-000-000-R0007

I. LOCATION

A. State	Oregon
B. County	Benton
C. Township, Range	Sec.10, T14S, R8W
D. Latitude, Longitude	44°23'N, 123°37'W
E. Stream Name	Alsea River
F. Major Basin Name	Mid Coast
G. River Mile	42.0 to 49.0

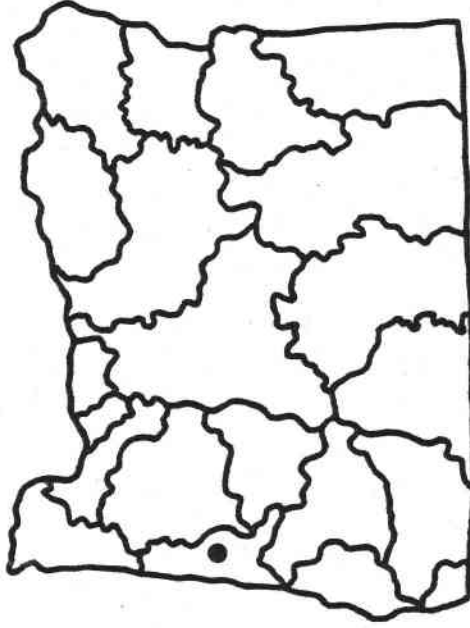
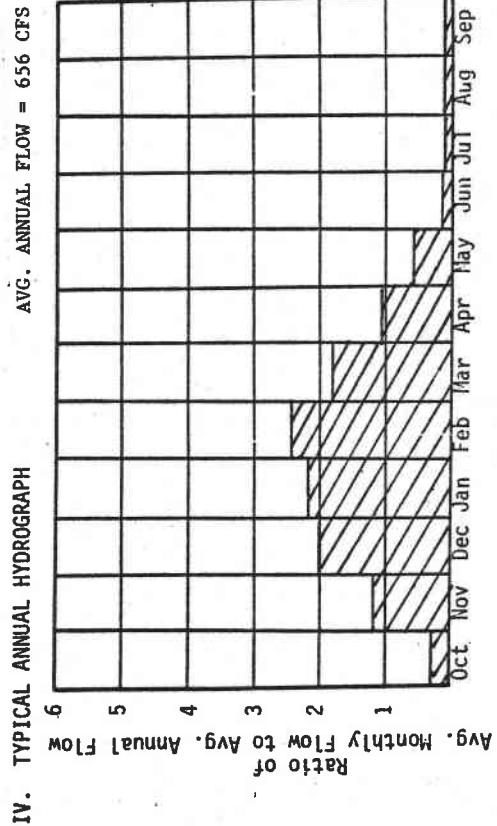
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	278	Ft. MSL
B. Downstream Elevation of Reach	238	Ft. MSL
C. Total Available Head in Reach	40	Ft.
D. Average Slope in Reach	5.7	Ft./Mi.
E. Drainage Area above Reach Mouth	146	Sq. Mi.
F. Inflow Classification	Natural	

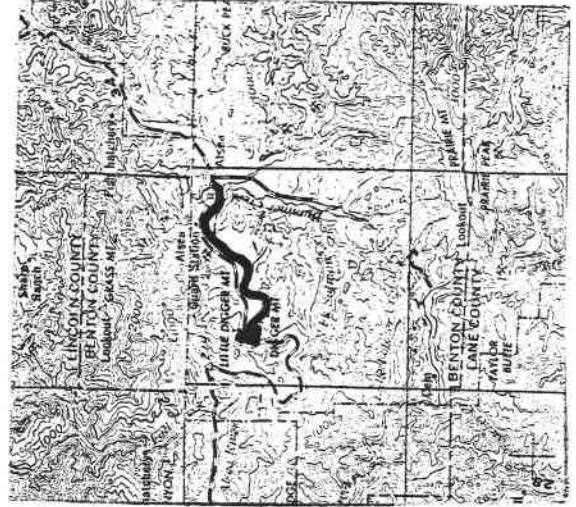
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I PERCENTAGE I	I DISCHARGE I CFS I	I THEORETICAL I PLANT SIZE I MW I	I ANNUAL ENERGY I AVAILABLE I GWH I	I PLANT I FACTOR I
I 95 I	I 32.3 I	I .11 I	I .96 I	I 1.000 I
I 80 I	I 60.0 I	I .20 I	I 1.68 I	I .942 I
I 50 I	I 275.4 I	I .93 I	I 5.84 I	I .714 I
I 30 I	I 651.0 I	I 2.21 I	I 10.30 I	I .533 I
I 10 I	I 1781.0 I	I 6.04 I	I 17.01 I	I .322 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-041-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Benton
C. Township, Range	Sec. 20, T14S, R7W
D. Latitude, Longitude	44°20'N, 123°32'W
E. Stream Name	South Fork Alsea River
F. Major Basin Name	Mid Coast
G. River Mile	0.0 to 9.1

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

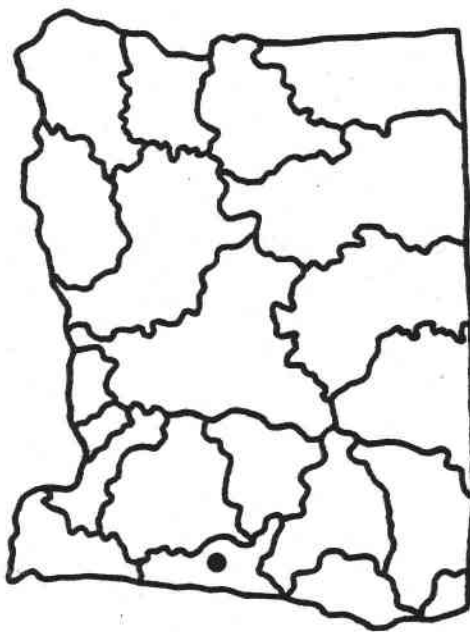
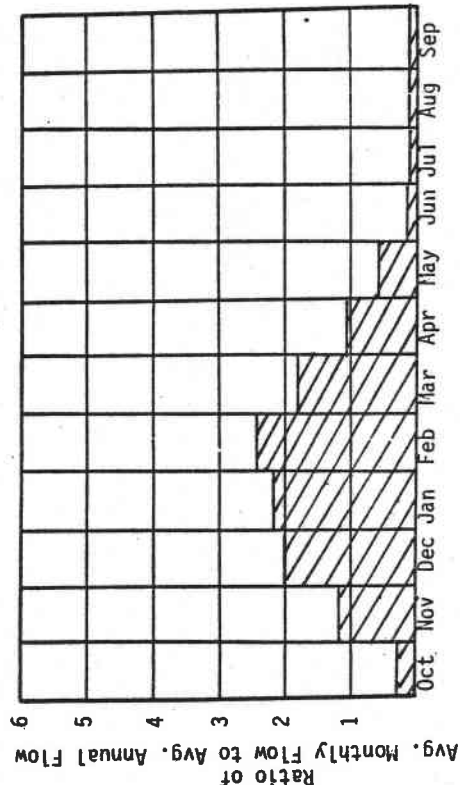
A. Upstream Elevation of Reach	749	Ft. MSL
B. Downstream Elevation of Reach	278	Ft. MSL
C. Total Available Head in Reach	471	Ft.
D. Average Slope in Reach	51.7	Ft./Mi.
E. Drainage Area above Reach Mouth	48	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

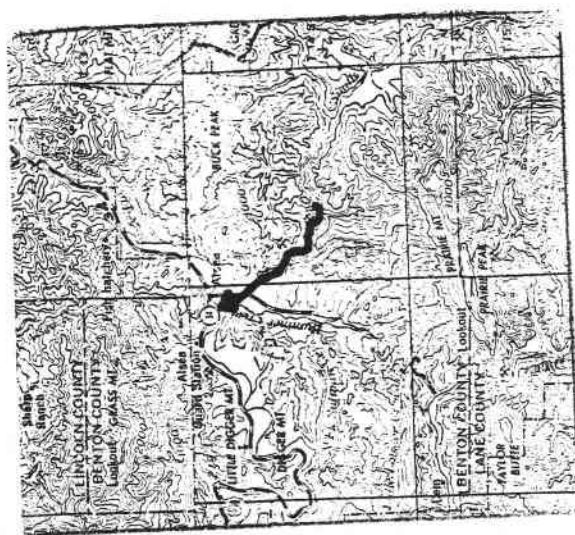
I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 9.5 I	I .38 I	I 3.32 I	I 1.000 I
I 80 I	I 18.1 I	I .72 I	I 5.96 I	I .941 I
I 50 I	I 80.3 I	I 3.20 I	I 20.08 I	I .716 I
I 30 I	I 183.5 I	I 7.32 I	I 34.52 I	I .538 I
I 10 I	I 489.9 I	I 19.55 I	I 55.94 I	I .327 I

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 180 CFS



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-041-000-000-R0002

I. LOCATION

A. State	Oregon
B. County	Benton-Lane
C. Township, Range	Sec. 26, T14S, R7W
D. Latitude, Longitude	44°18'N, 123°30'W
E. Stream Name	South Fork Alsea River
F. Major Basin Name	Mid Coast
G. River Mile	9.1 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

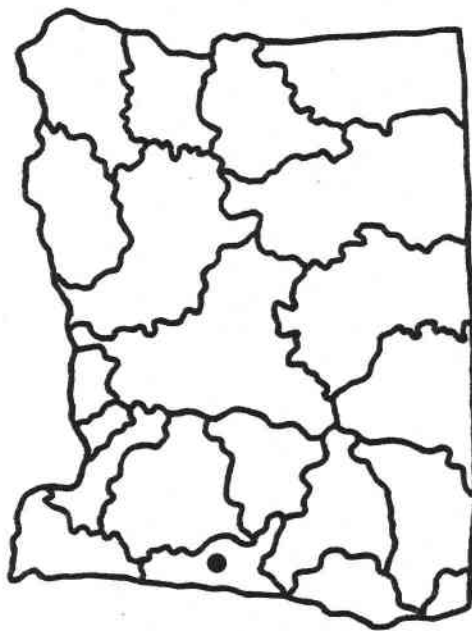
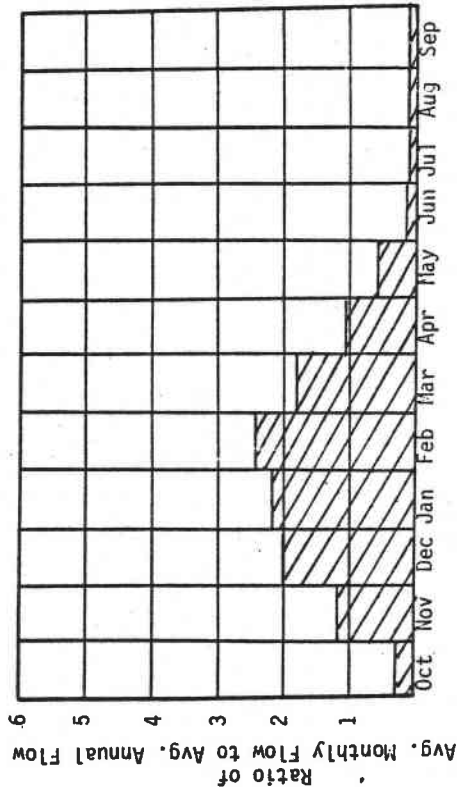
A. Upstream Elevation of Reach	---	Ft. MSL
B. Downstream Elevation of Reach	---	Ft. MSL
C. Total Available Head in Reach	66	Ft.
D. Average Slope in Reach	---	Ft./Mi.
E. Drainage Area above Reach Mouth	2.1	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

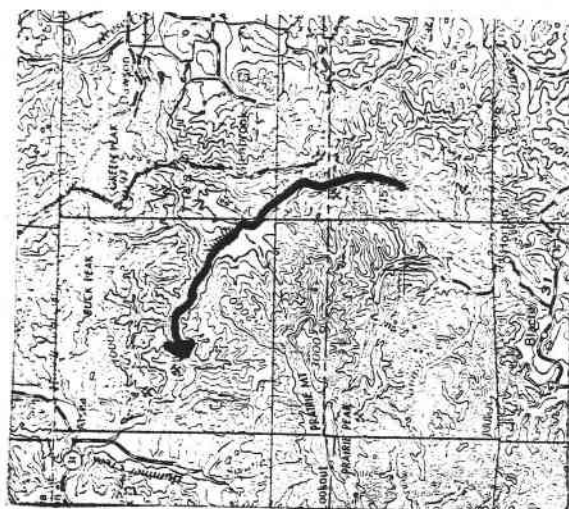
I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW	I GWH	I
I 95	I 4.8	I .03	I .23	I 1.000
I 80	I 9.2	I .05	I .42	I .940
I 50	I 39.9	I .22	I 1.40	I .717
I 30	I 89.5	I .50	I 2.37	I .541
I 10	I 235.8	I 1.32	I 3.81	I .330

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 87 CFS



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-050-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Benton
C. Township, Range	Sec. 32, T13S, R7W
D. Latitude, Longitude	44°23'N, 123°32'W
E. Stream Name	North Fork Alsea River
F. Major Basin Name	Mid Coast
G. River Mile	0.0 to 4.5

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

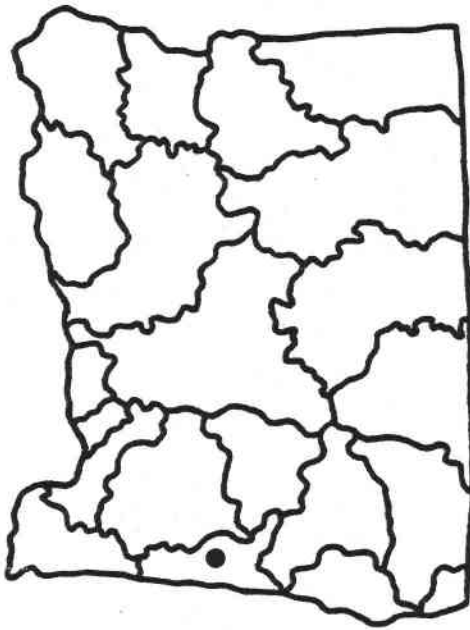
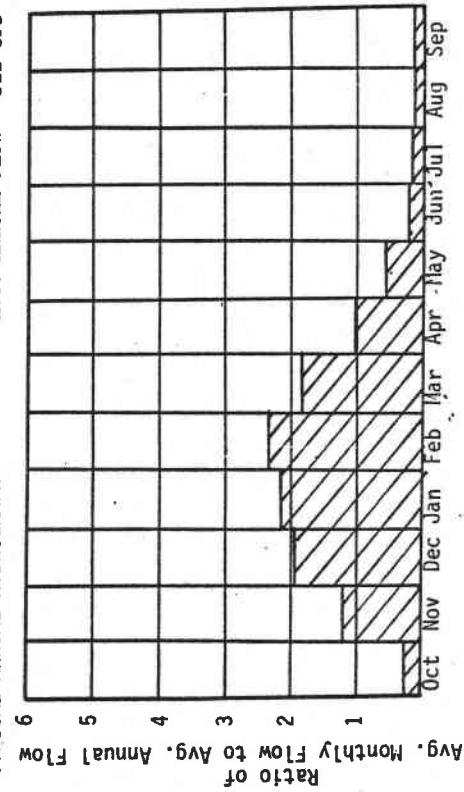
A. Upstream Elevation of Reach	330	Ft. MSL
B. Downstream Elevation of Reach	278	Ft. MSL
C. Total Available Head in Reach	52	Ft.
D. Average Slope in Reach	11.6	Ft./Mi.
E. Drainage Area above Reach Mouth	67	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

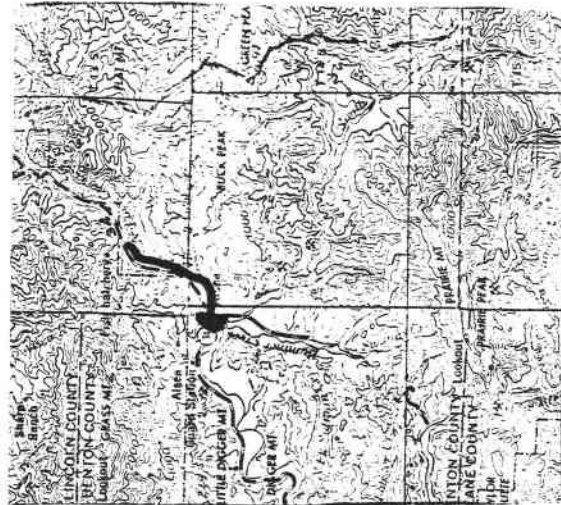
ENERGY CHARACTERISTICS				REACH FLOW DURATION AND THEORETICAL POTENTIAL			
I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I	I FACTOR I	I	I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I GWI I	I	I	I
I 95 I	I 16.4 I	I .07 I	I .63 I	I 1.000 I	I	I	I
I 80 I	I 31.0 I	I .14 I	I 1.13 I	I .941 I	I	I	I
I 50 I	I 139.5 I	I .61 I	I 3.85 I	I .715 I	I	I	I
I 30 I	I 323.6 I	I 1.43 I	I 6.69 I	I .536 I	I	I	I
I 10 I	I 873.5 I	I 3.85 I	I 10.94 I	I .324 I	I	I	I

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 322 CFS



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-050-022-000-R0001

I. LOCATION

A. State	Oregon
B. County	Benton
C. Township, Range	Sec. 21, T13S, R7W
D. Latitude, Longitude	44°23'N 123°34'W
E. Stream Name	Crooked Creek
F. Major Basin Name	Mid Coast
G. River Mile	0.0 to 1.5

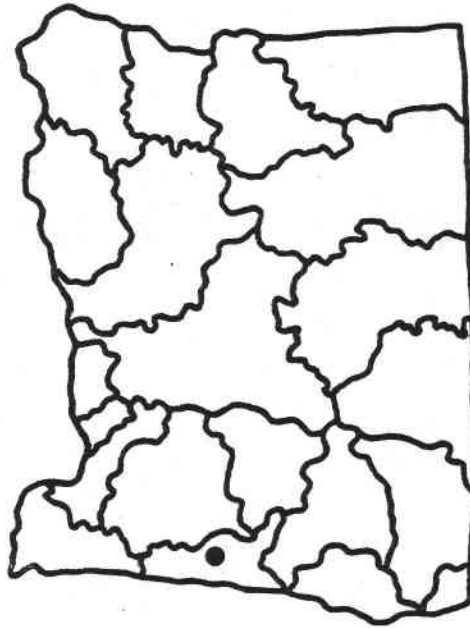
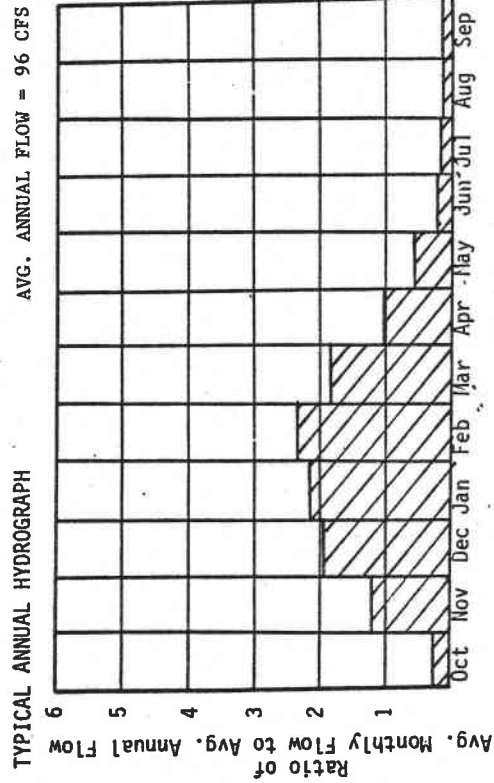
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	400	Ft. MSL
B. Downstream Elevation of Reach	330	Ft. MSL
C. Total Available Head in Reach	70	Ft.
D. Average Slope in Reach	46.7	Ft./Mi.
E. Drainage Area above Reach Mouth	19	Sq. Mi.
F. Inflow Classification	Natural	

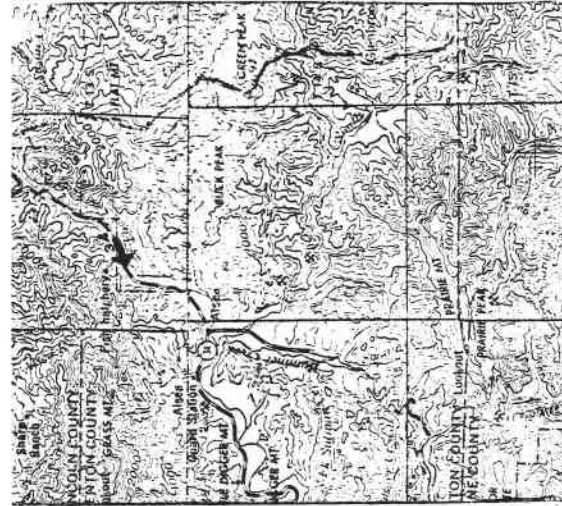
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 5.2 I	I .03 I	I .27 I	I 1.000 I
I 80 I	I 10.1 I	I .06 I	I .49 I	I .940 I
I 50 I	I 44.0 I	I .26 I	I 1.64 I	I .717 I
I 30 I	I 98.9 I	I .59 I	I 2.78 I	I .541 I
I 10 I	I 260.9 I	I 1.55 I	I 4.46 I	I .329 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-050-022-000-R0002

I. LOCATION

A. State	Oregon
B. County	Benton
C. Township, Range	Sec. 21, T13S, R7W
D. Latitude, Longitude	44°27'N, 123°31'W
E. Stream Name	Crooked Creek
F. Major Basin Name	Mid Coast
G. River Mile	1.5 to H.W.

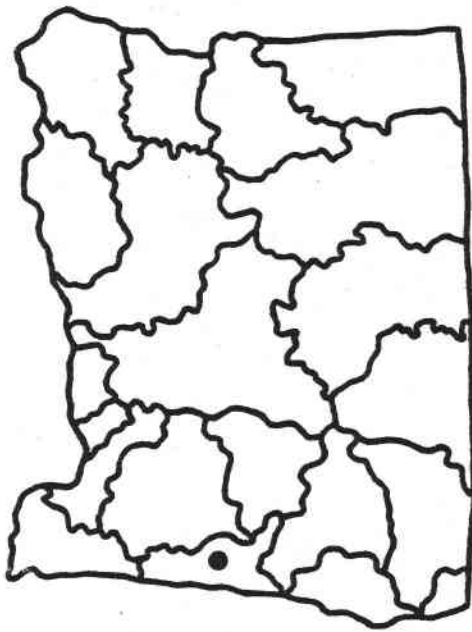
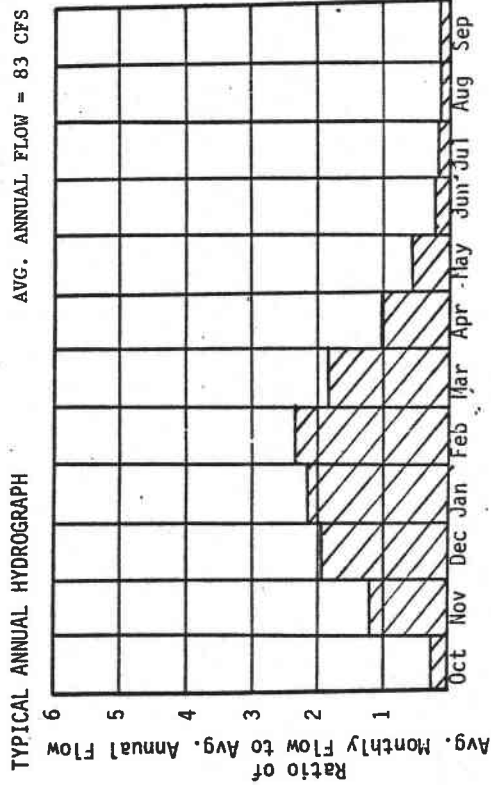
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

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	14	Sq. Mi.
F. Inflow Classification	Natural	

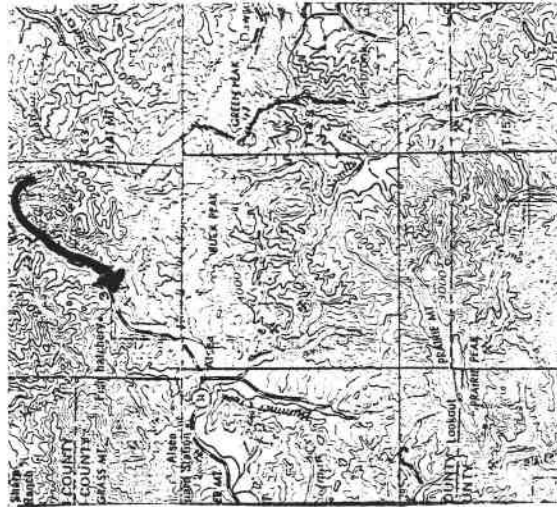
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 4.6 I	I .03 I	I .22 I	I 1.000 I
I 80 I	I 8.8 I	I .05 I	I .41 I	I .940 I
I 50 I	I 38.2 I	I .21 I	I 1.34 I	I .717 I
I 30 I	I 85.6 I	I .48 I	I 2.27 I	I .541 I
I 10 I	I 225.3 I	I 1.26 I	I 3.64 I	I .330 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-6335-050-000-R0002

I. LOCATION

A. State	Oregon
B. County	Benton-Lincoln
C. Township, Range	Sec. 24, T13S, R7W
D. Latitude, Longitude	44°26'N, 123°35'W
E. Stream Name	North Fork Alsea River
F. Major Basin Name	Mid Coast
G. River Mile	4.5 to 10.7

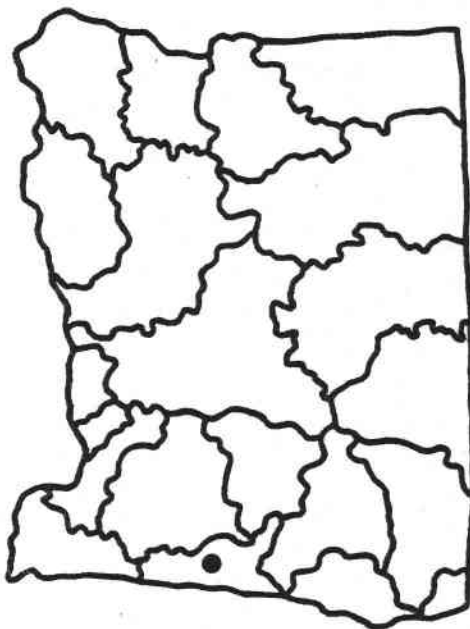
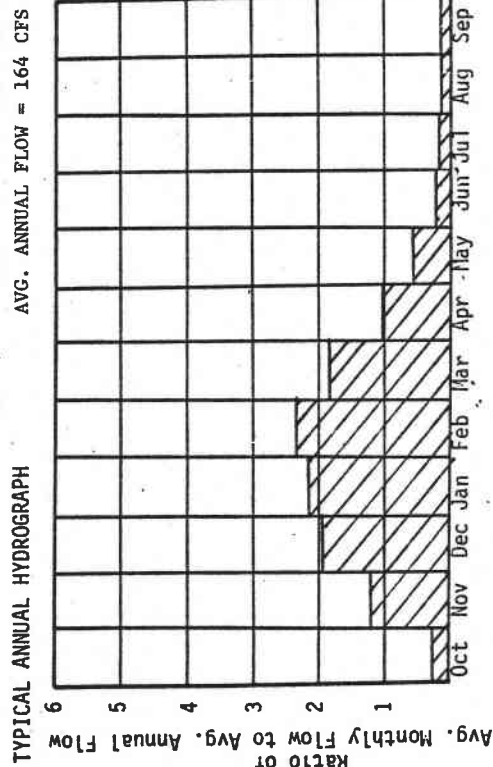
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	840	Ft. MSL
B. Downstream Elevation of Reach	330	Ft. MSL
C. Total Available Head in Reach	510	Ft.
D. Average Slope in Reach	82.3	Ft./Mi.
E. Drainage Area above Reach Mouth	34	Sq. Mi.
F. Inflow Classification	Natural	

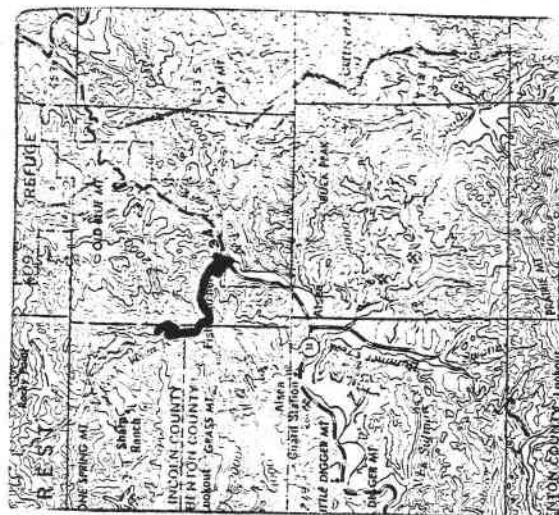
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

ENERGY CHARACTERISTICS									
I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I	I	I	I	I	I
I PERCENTAGE I	I CFS I	I FACTOR I	I AVAILABLE I	I FACTOR I	I	I	I	I	I
I	I	I	I	I	I	I	I	I	I
I 95 I	I 8.7 I	I .38 I	I 3.29 I	I 1.000 I					
I 80 I	I 16.6 I	I .72 I	I 5.90 I	I .940 I					
I 50 I	I 73.2 I	I 3.17 I	I 19.85 I	I .716 I					
I 30 I	I 167.0 I	I 7.22 I	I 34.05 I	I .538 I					
I 10 I	I 445.1 I	I 19.24 I	I 55.11 I	I .327 I					

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-635-050-000-000-R0003

I. LOCATION

A. State	Oregon
B. County	Lincoln
C. Township, Range	Sec. 12, T13S, R8W
D. Latitude, Longitude	44°28'N, 123°38'W
E. Stream Name	North Fork Alsea River
F. Major Basin Name	Mid Coast
G. River Mile	10.7 to H.W.

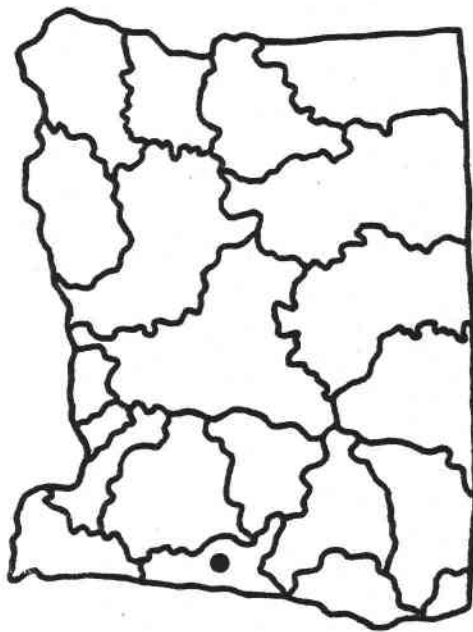
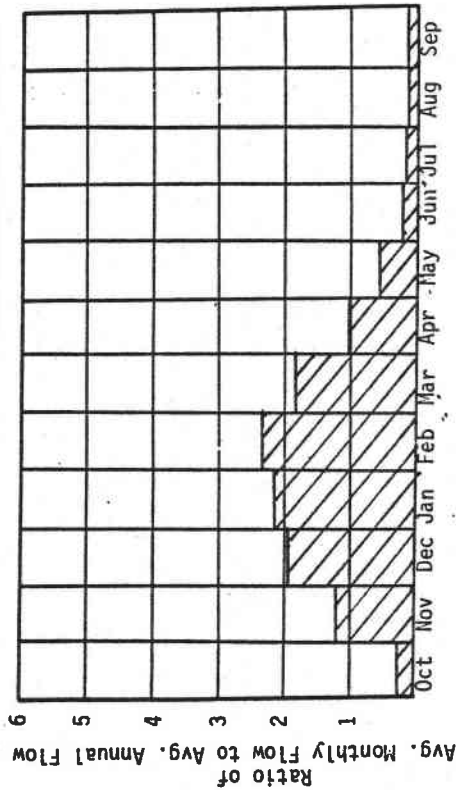
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

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	2.4	Sq. Mi.
F. Inflow Classification	Natural	

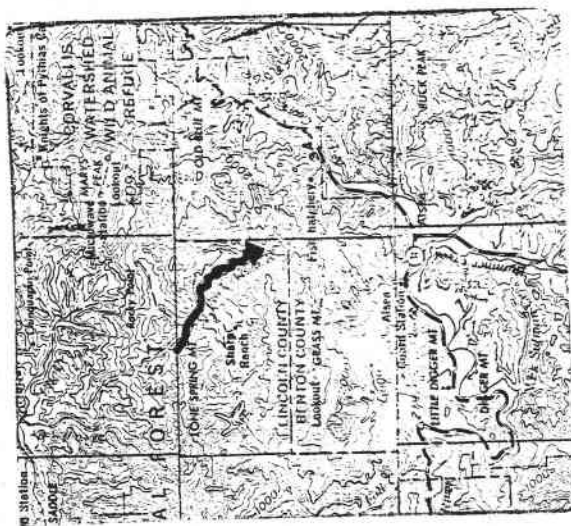
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 7.4 I	I .04 I	I .36 I	I 1.000 I
I 80 I	I 14.1 I	I .08 I	I .65 I	I .940 I
I 50 I	I 61.9 I	I .35 I	I 2.17 I	I .716 I
I 30 I	I 140.6 I	I .79 I	I 3.71 I	I .539 I
I 10 I	I 373.5 I	I 2.09 I	I 6.00 I	I .328 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-640-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lincoln-Jane
C. Township, Range	Sec. 32, T14S, R11W
D. Latitude, Longitude	44°18'N, 124°01'W
E. Stream Name	Yachats River
F. Major Basin Name	Mid Coast
G. River Mile	0.0 to 10.5

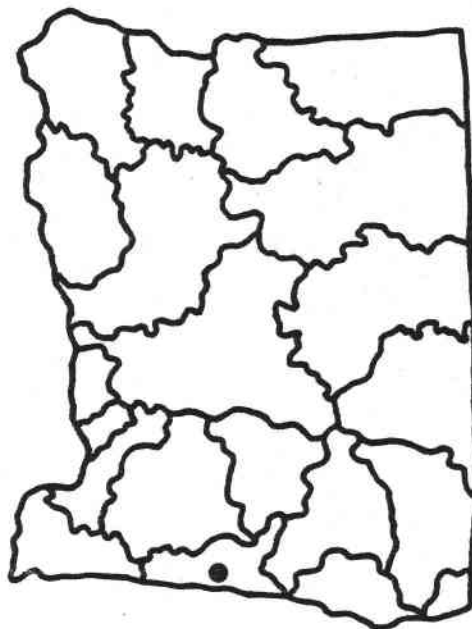
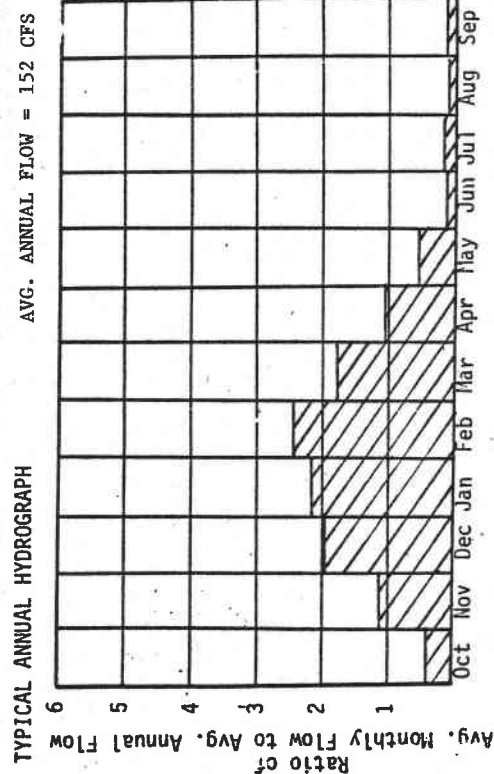
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	200	Ft. MSL
B. Downstream Elevation of Reach	0	Ft. MSL
C. Total Available Head in Reach	200	Ft.
D. Average Slope in Reach	19	Ft./Mi.
E. Drainage Area above Reach Mouth	42	Sq. Mi.
F. Inflow Classification	Natural	

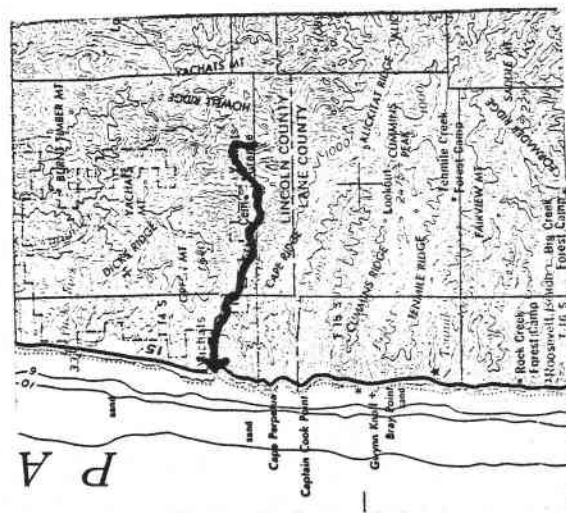
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 8.1 I	I .14 I	I 1.20 I	I 1.000 I
I 80 I	I 15.5 I	I .26 I	I 2.16 I	I .940 I
I 50 I	I 68.1 I	I 1.15 I	I 7.24 I	I .716 I
I 30 I	I 155.0 I	I 2.63 I	I 12.40 I	I .539 I
I 10 I	I 412.6 I	I 6.99 I	I 20.05 I	I .327 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-640-000-000-R0002

I. LOCATION

A. State	Oregon
B. County	Lincoln-Lane
C. Township, Range	Sec. 34, T15S, R11W
D. Latitude, Longitude	44°16'N, 123°57'W
E. Stream Name	Yachats River
F. Major Basin Name	Mid Coast
G. River Mile	10.5 to H.W.

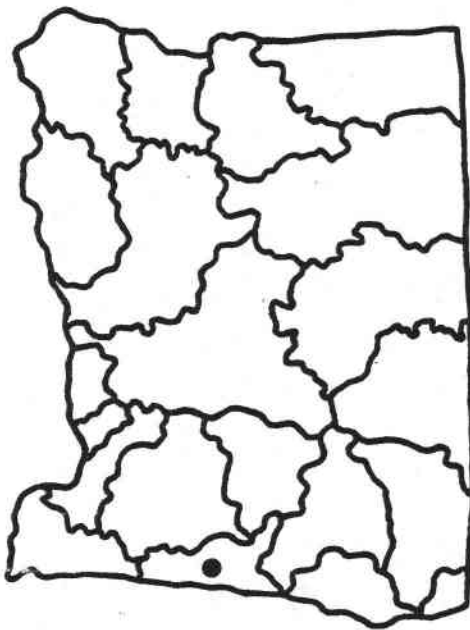
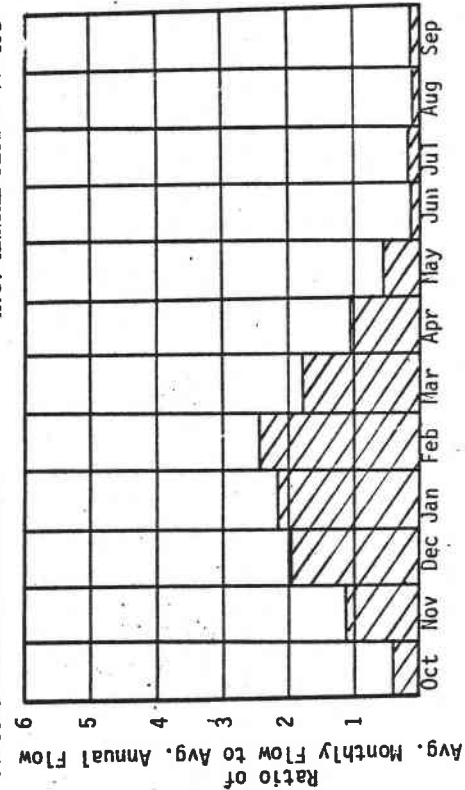
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

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	13	Sq. Mi.
F. Inflow Classification	Natural	

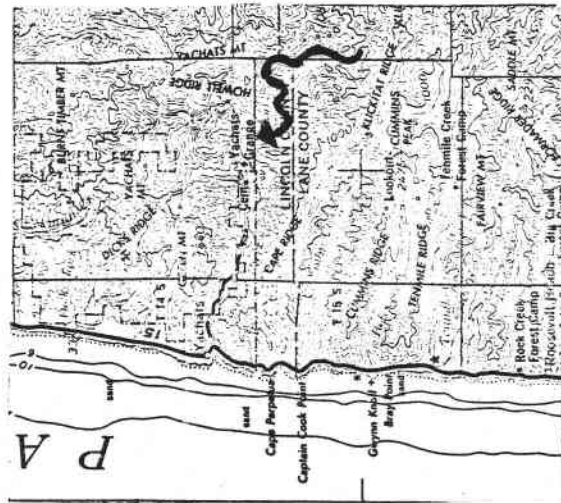
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I PERCENTAGE I	I DISCHARGE I CFS	I THEORETICAL I PLANT SIZE I MW	I ANNUAL ENERGY I AVAILABLE I GWH	I PLANT I FACTOR I
I 95	I 4.2	I .02	I .21	I 1,000
I 80	I 8.2	I .05	I .38	I .939
I 50	I 35.6	I .20	I 1.25	I .717
I 30	I 79.5	I .44	I 2.11	I .542
I 10	I 209.0	I 1.17	I 3.38	I .330

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-645-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 36, T15S, R12W
D. Latitude, Longitude	44°13'N, 124°04'W
E. Stream Name	Tennille Creek
F. Major Basin Name	Mid Coast
G. River Mile	0.0 to 5.3

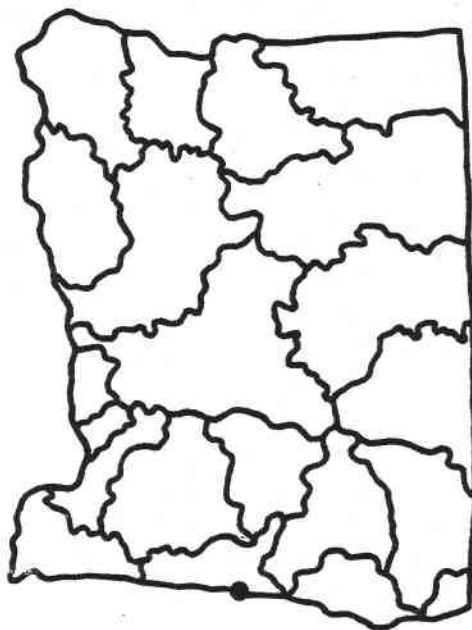
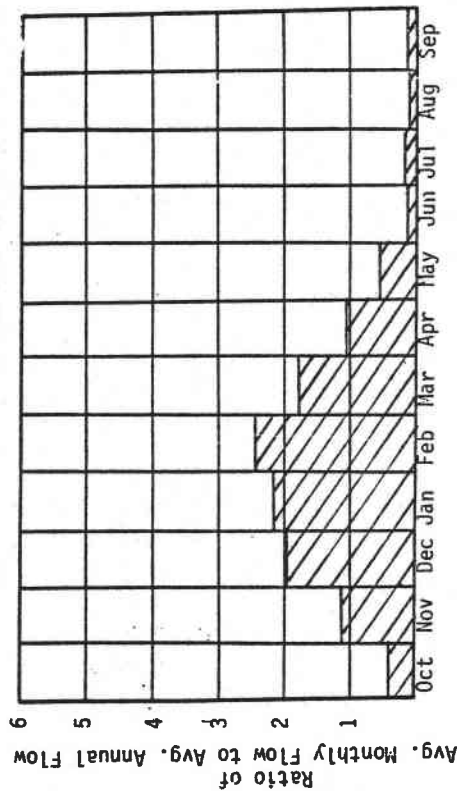
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	291	Ft. MSL
B. Downstream Elevation of Reach	0	Ft. MSL
C. Total Available Head in Reach	291	Ft.
D. Average Slope in Reach	54.9	Ft./Mi.
E. Drainage Area above Reach Mouth	22	Sq. Mi.
F. Inflow Classification	Natural	

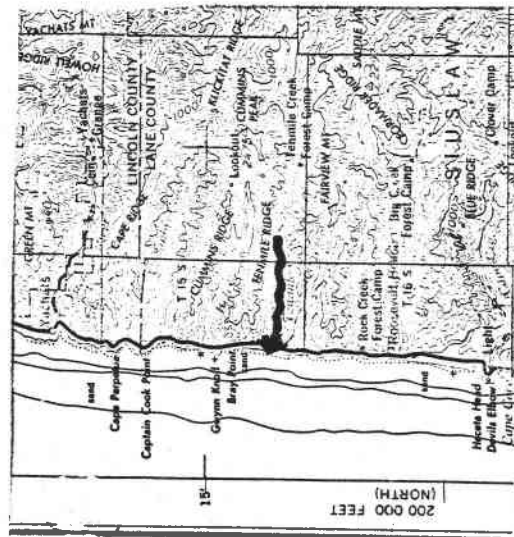
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW	I	I
I 95	I 5.7	I .14	I 1.23	I 1.000
I 80	I 11.0	I .27	I 2.23	I .940
I 50	I 47.8	I 1.18	I 7.40	I .716
I 30	I 107.8	I 2.66	I 12.58	I .540
I 10	I 284.8	I 7.02	I 20.23	I .329

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-645-000-000-000-R0002

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 32, T15S, R11W
D. Latitude, Longitude	44°13'N, 123°58'W
E. Stream Name	Tennile Creek
F. Major Basin Name	Mid Coast
G. River Mile	5.3 to H.W.

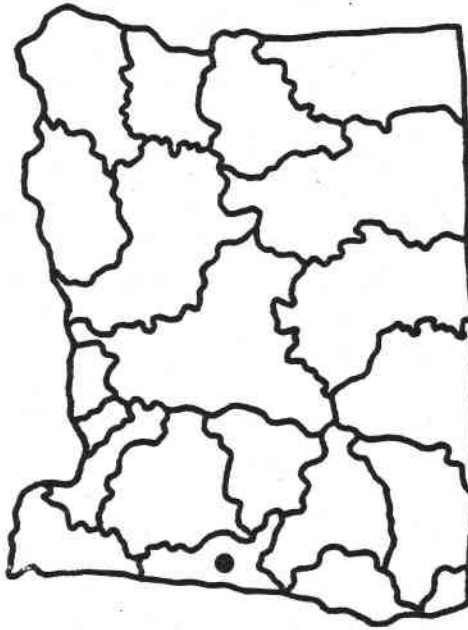
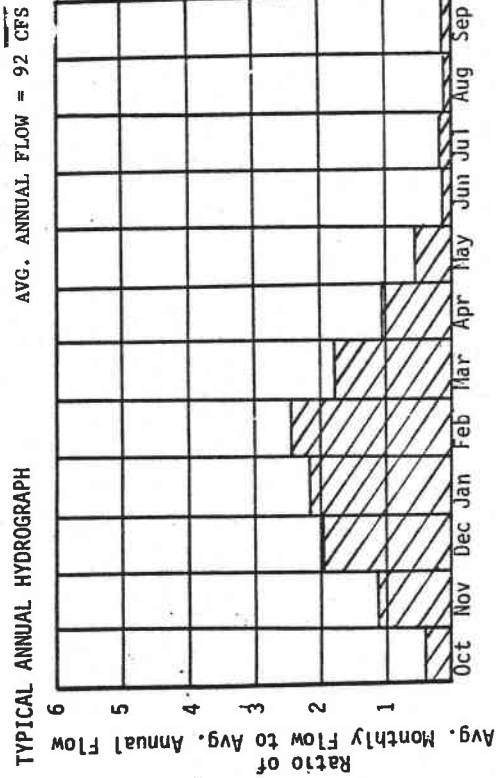
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

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	16	Sq. Mi.
F. Inflow Classification	Natural	

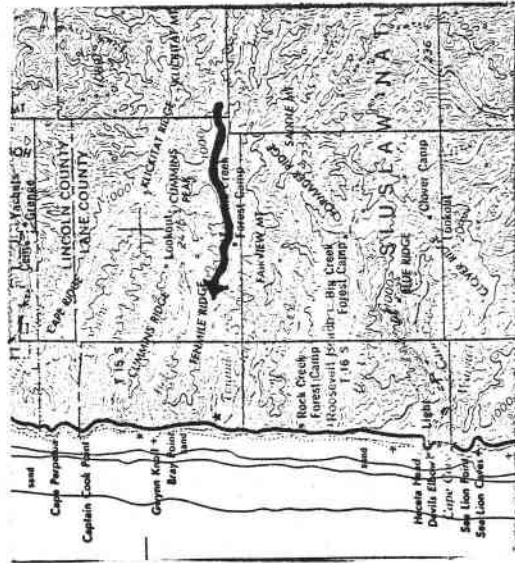
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I I
I 95 I	I 5.0 I	I .03 I	I .24 I	I 1.000 I
I 80 I	I 9.7 I	I .05 I	I .44 I	I .940 I
I 50 I	I 42.0 I	I .23 I	I 1.47 I	I .717 I
I 30 I	I 94.3 I	I .53 I	I 2.50 I	I .541 I
I 10 I	I 248.5 I	I 1.39 I	I 4.01 I	I .329 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-650-000-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 14, T16S, R12W
D. Latitude, Longitude	44°12'N, 124°06'W
E. Stream Name	Big Creek
F. Major Basin Name	Mid Coast
G. River Mile	0.0 to 2.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

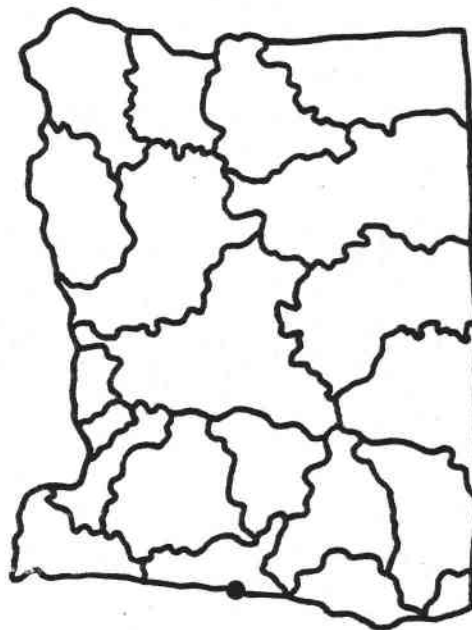
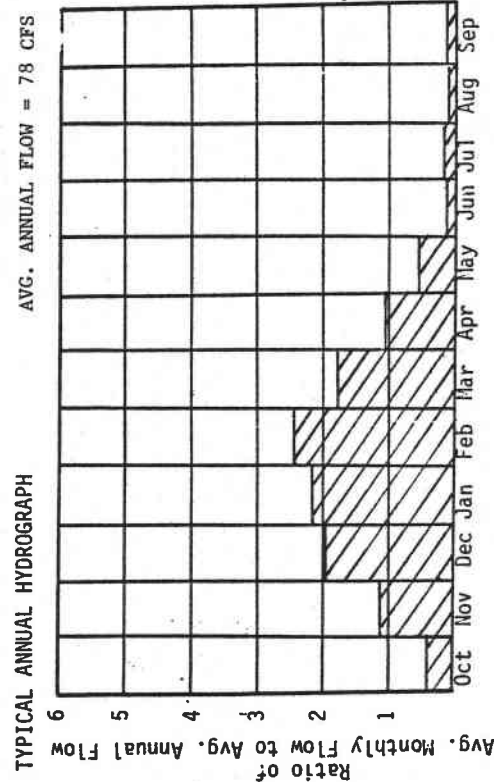
A. Upstream Elevation of Reach	78	Ft. MSL
B. Downstream Elevation of Reach	0	Ft. MSL
C. Total Available Head in Reach	78	Ft.
D. Average Slope in Reach	39	Ft./Mi.
E. Drainage Area above Reach Mouth	15	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

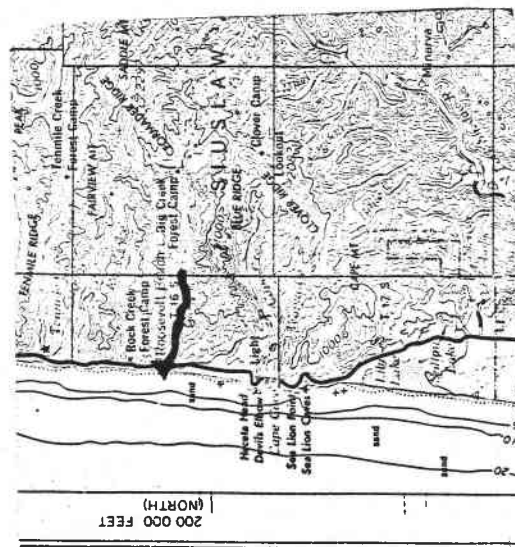
ENERGY CHARACTERISTICS

I	PERCENTAGE	I	DISCHARGE	I	THEORETICAL	I	ANNUAL ENERGY	I	PLANT
I	I	I	CFS	I	PLANT SIZE	I	AVAILABLE	I	FACTOR
I	I	I	I	I	MW	I	GMH	I	I
I	95	I	4.3	I	.03	I	.25	I	1.000
I	80	I	8.3	I	.05	I	.45	I	.939
I	50	I	36.0	I	.24	I	1.49	I	.717
I	30	I	80.4	I	.53	I	2.52	I	.542
I	10	I	211.4	I	1.40	I	4.04	I	.330

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-650-000-000-R0002

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 24, T16S, R11W
D. Latitude, Longitude	44°11'N, 124°01'W
E. Stream Name	Big Creek
F. Major Basin Name	Mid Coast
G. River Mile	2.0 to H.W.

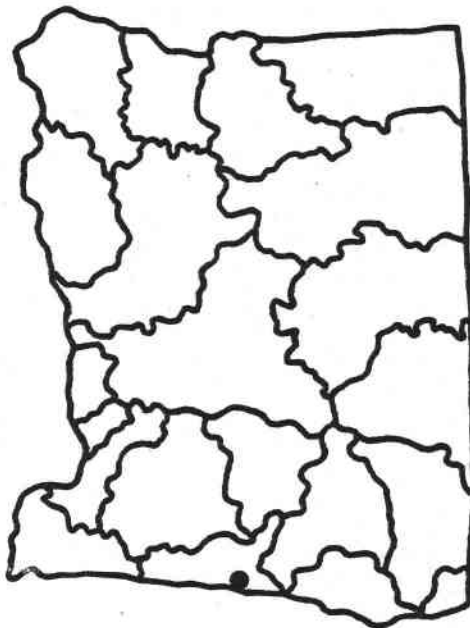
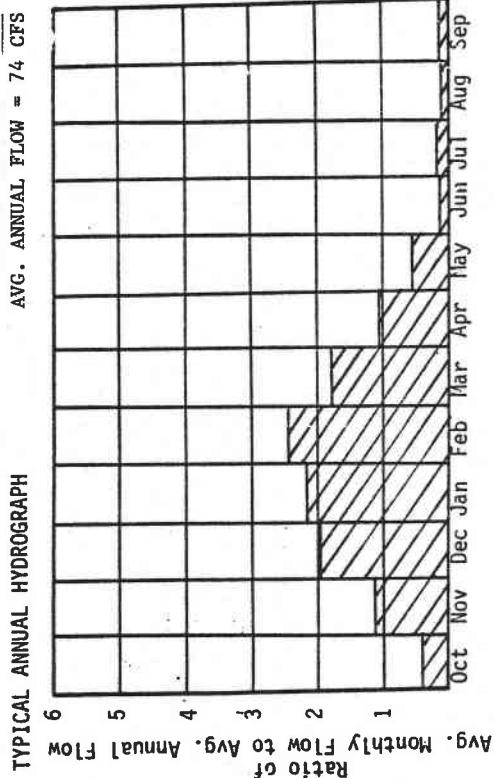
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

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	13	Sq. Mi.
F. Inflow Classification	Natural	

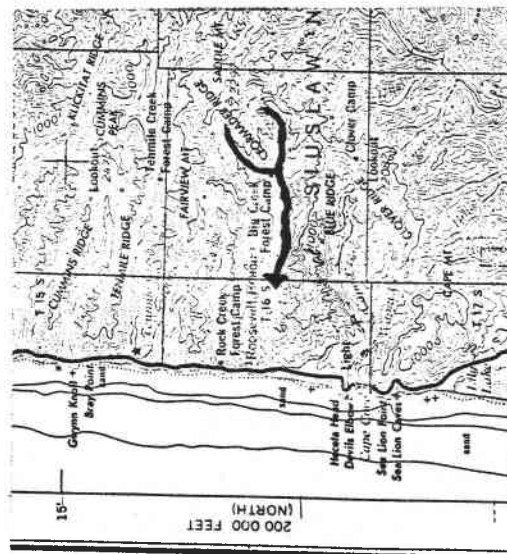
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 4.1 I	I .02 I	I .20 I	I 1.000 I
I 80 I	I 8.0 I	I .04 I	I .37 I	I .939 I
I 50 I	I 34.4 I	I .19 I	I 1.21 I	I .717 I
I 30 I	I 76.8 I	I .43 I	I 2.04 I	I .542 I
I 10 I	I 201.7 I	I 1.13 I	I 3.26 I	I .330 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 28, T18S, R12W
D. Latitude, Longitude	43°59'N, 124°06'W
E. Stream Name	Siuslaw River
F. Major Basin Name	Mid Coast
G. River Mile	0.0 to 6.3

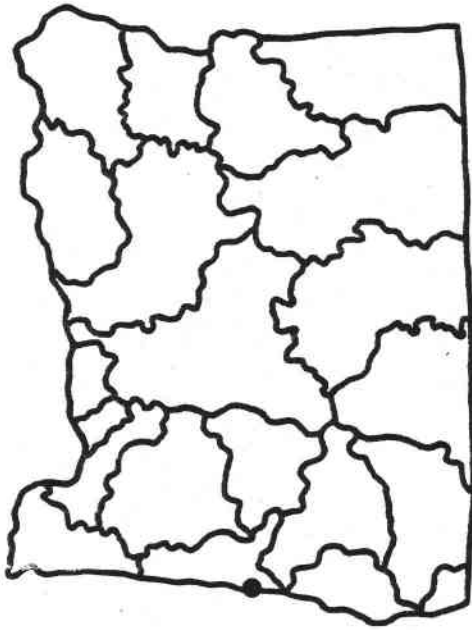
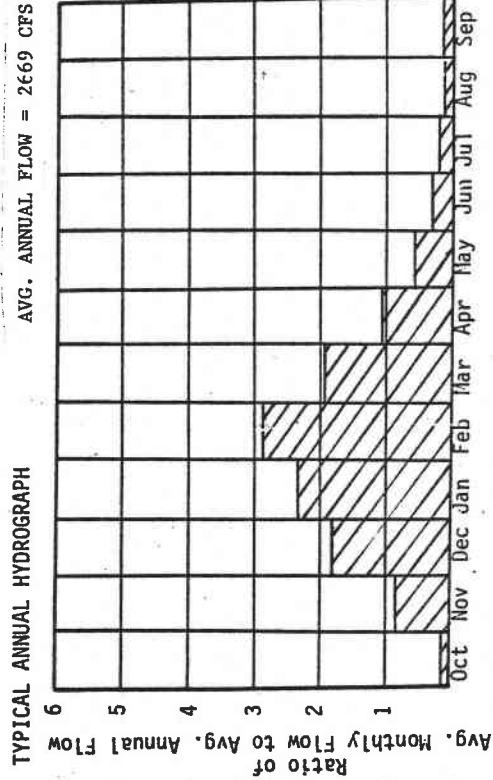
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	12	Ft. MSL
B. Downstream Elevation of Reach	0	Ft. MSL
C. Total Available Head in Reach	12	Ft.
D. Average Slope in Reach	1.9	Ft./Mi.
E. Drainage Area above Reach Mouth	753	Sq. Mi.
F. Inflow Classification	Natural	

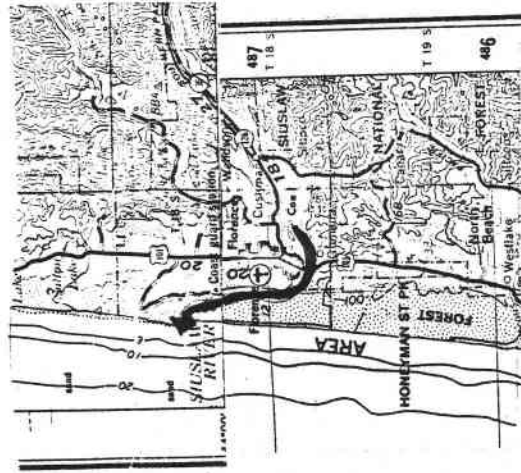
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

ENERGY CHARACTERISTICS									
I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I	I	I	I	I	I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I	I	I	I	I	I
I	I	I MW I	I GWH I	I	I	I	I	I	I
I 95	I 121.7	I .12	I 1.08	I 1.000	I	I	I	I	I
I 80	I 220.3	I .22	I 1.85	I .944	I	I	I	I	I
I 50	I 1050.9	I 1.07	I 6.66	I .712	I	I	I	I	I
I 30	I 2576.4	I 2.62	I 12.10	I .527	I	I	I	I	I
I 10	I 7236.8	I 7.36	I 20.40	I .316	I	I	I	I	I

IV. TYPICAL ANNUAL HYDROGRAPH



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



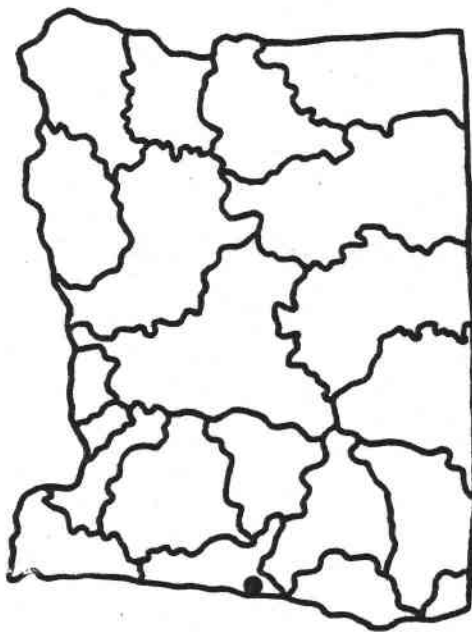
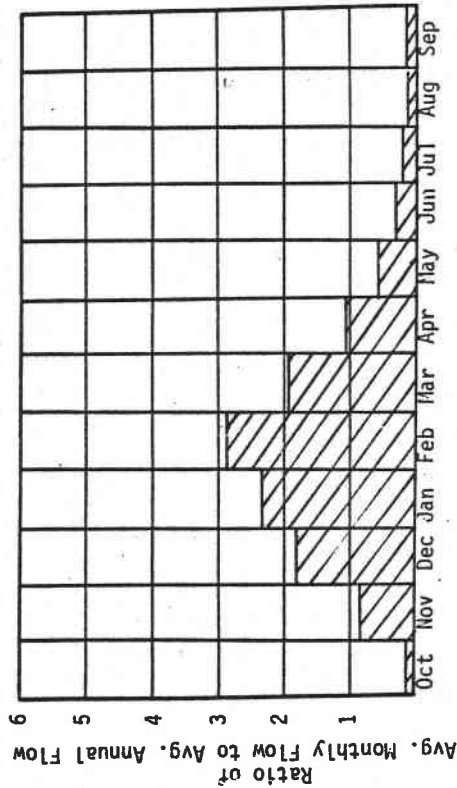
REACH # 02-655-022-000-000-R0001

Oregon
Lane
Sec. 7, T18S, R12W
44° 01' N. 124° 03' W
North Fork Siuslaw River
Mid Coast
0.0 to 12.6

	Ft.	MSL
ch	42	
	12	
ch	30	
	2.4	
outh	62	
		Sq.Mi.
		Natural

I	EXCEEDANCE	DISCHARGE	THEORETICAL	ANNUAL ENERGY	PLANT
I	PERCENTAGE	CFS	PLANT SIZE	AVAILABLE	FACTOR
I	I	I	MW	GMH	I
I	95	I 13.6 I	.03	I .30	I 1.000 I
I	80	I 25.7 I	.07	I .54	I .941 I
I	50	I 115.1 I	.29	I 1.83	I .715 I
I	30	I 265.7 I	.68	I 3.18	I .536 I
I	10	I 714.6 I	1.82	I 5.17	I .325 I

AVG. ANNUAL FLOW = 264 CFS



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-022-000-000-R0002

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 34, T17S, R11W
D. Latitude, Longitude	44°04'N, 124°00'W
E. Stream Name	North Fork Siuslaw River
F. Major Basin Name	Mid Coast
G. River Mile	12.6 to 16.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

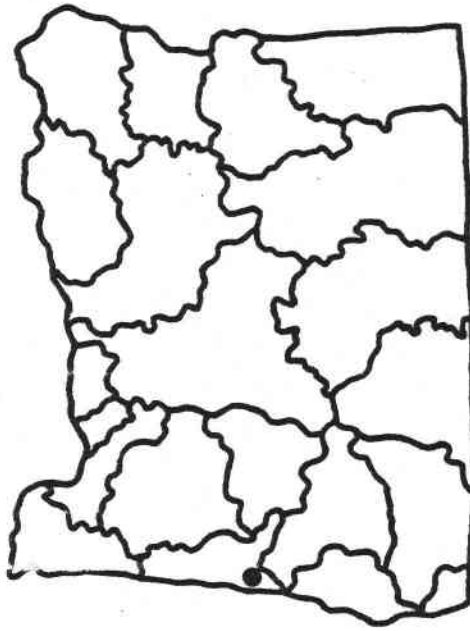
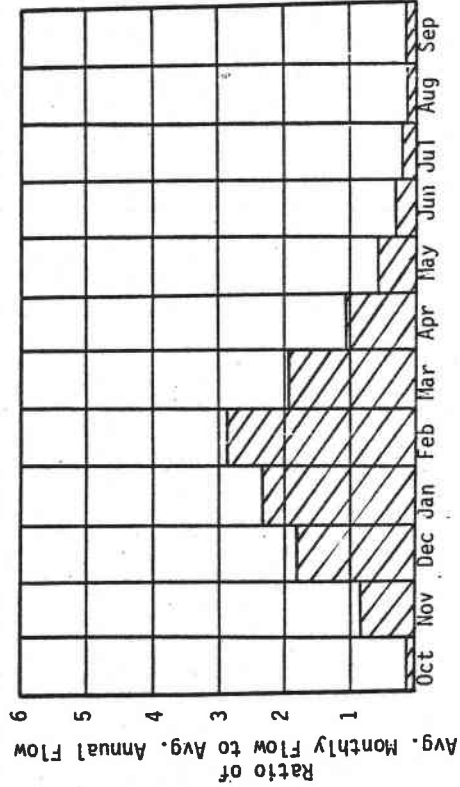
A. Upstream Elevation of Reach	64	Ft. MSL
B. Downstream Elevation of Reach	42	Ft. MSL
C. Total Available Head in Reach	22	Ft.
D. Average Slope in Reach	5.5	Ft./Mi.
E. Drainage Area above Reach Mouth	40	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

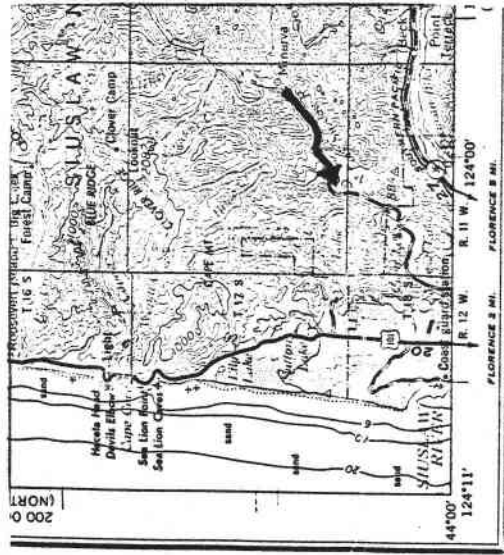
ENERGY CHARACTERISTICS

I	PERCENTAGE	I	DISCHARGE	I	THEORETICAL	I	ANNUAL ENERGY	I	PLANT
I	I	I	CFS	I	PLANT SIZE	I	AVAILABLE	I	FACTOR
I	I	I	I	I	MW	I	GMH	I	I
I	95	I	9.8	I	.02	I	.16	I	1.000
I	80	I	18.7	I	.03	I	.29	I	.941
I	50	I	83.1	I	.15	I	.97	I	.716
I	30	I	190.1	I	.35	I	1.67	I	.538
I	10	I	508.1	I	.95	I	2.71	I	.326

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-022-000-000-R0003

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 23, T17S, R11W
D. Latitude, Longitude	44°06'N, 123°57'W
E. Stream Name	North Fork Siuslaw River
F. Major Basin Name	Mid Coast
G. River Mile	16.0 to 22.3

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

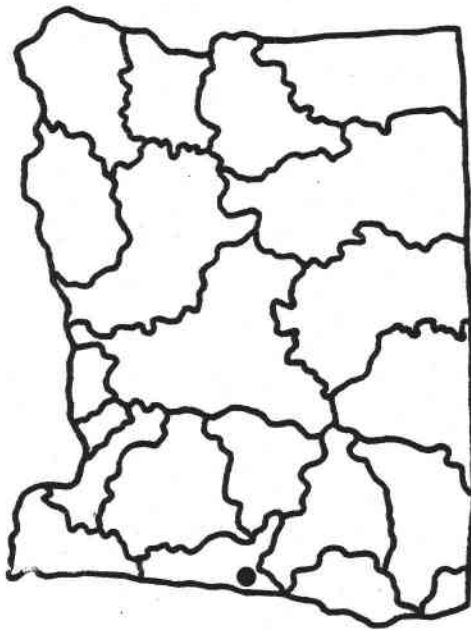
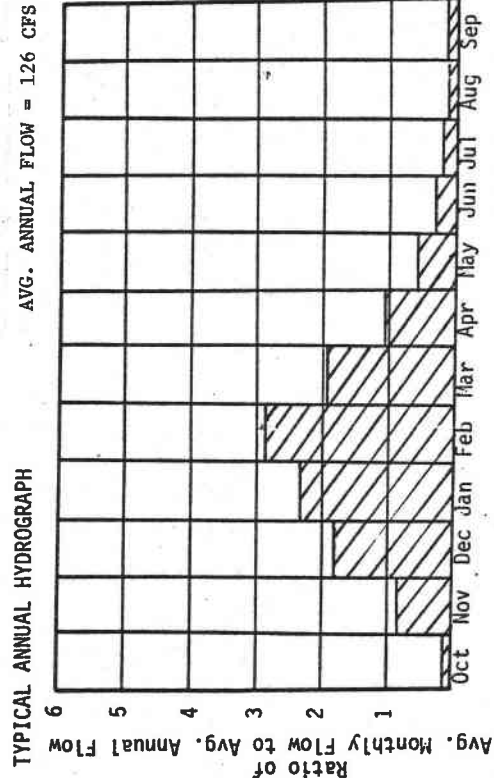
A. Upstream Elevation of Reach	145	Ft. MSL
B. Downstream Elevation of Reach	64	Ft. MSL
C. Total Available Head in Reach	81	Ft.
D. Average Slope in Reach	12.8	Ft./Mi.
E. Drainage Area above Reach Mouth	35	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

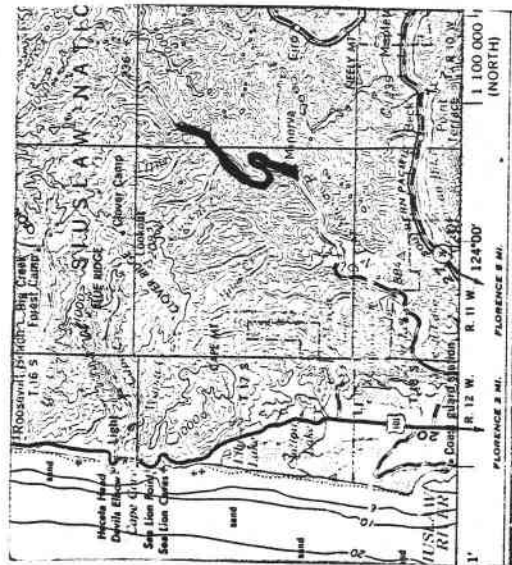
ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 6.8 I	I .05 I	I .41 I	I 1.000 I
I 80 I	I 13.1 I	I .09 I	I .74 I	I .940 I
I 50 I	I 57.2 I	I .39 I	I 2.46 I	I .716 I
I 30 I	I 129.6 I	I .89 I	I 4.21 I	I .540 I
I 10 I	I 343.8 I	I 2.36 I	I 6.78 I	I .328 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-022-000-000-R0004

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 7, T16S, R10W
D. Latitude, Longitude	44°10'N, 123°55'W
E. Stream Name	North Fork Siuslaw River
F. Major Basin Name	Mid Coast
G. River Mile	22.3 to H.W.

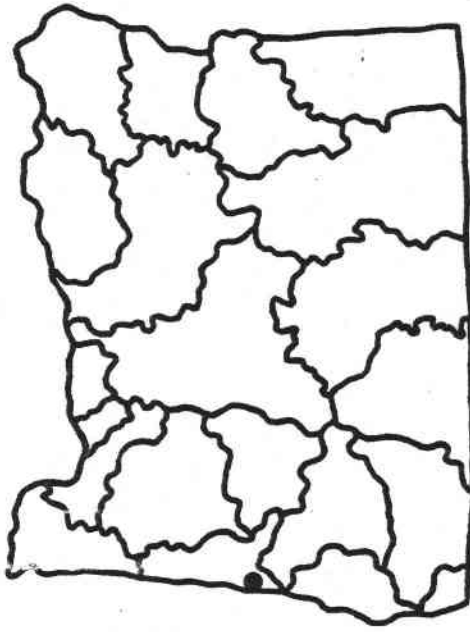
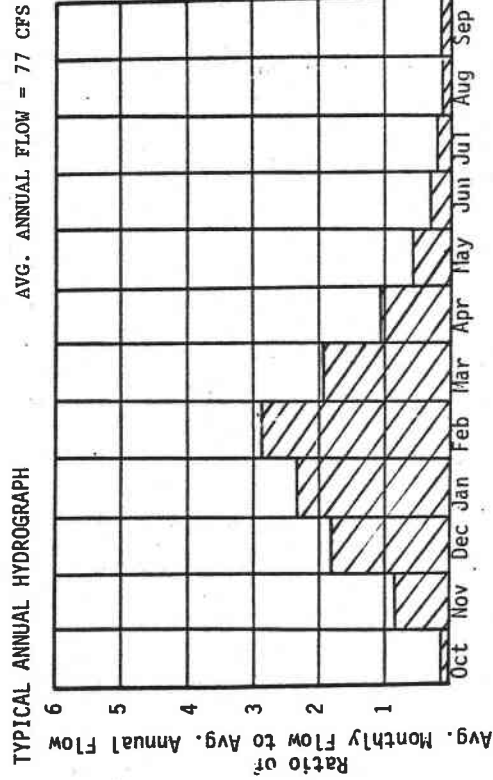
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

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	14	Sq. Mi.
F. Inflow Classification	Natural	

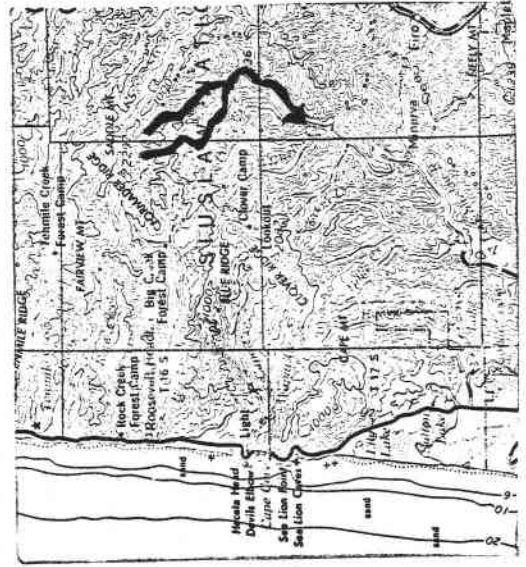
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

ENERGY CHARACTERISTICS				REACH FLOW DURATION AND THEORETICAL POTENTIAL			
I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I	I FACTOR I	I	I
I PERCENTAGE I	I CFS I	I MW I	I AVAILABLE I	I GWH I	I	I	I
I 95 I	I 4.2 I	I .02 I	I .21 I	I 1.000 I	I	I	I
I 80 I	I 8.2 I	I .05 I	I .38 I	I .939 I	I	I	I
I 50 I	I 35.6 I	I .20 I	I 1.25 I	I .717 I	I	I	I
I 30 I	I 79.5 I	I .44 I	I 2.11 I	I .542 I	I	I	I
I 10 I	I 209.0 I	I 1.17 I	I 3.38 I	I .330 I	I	I	I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-000-000-R0002

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 15, T18S, R11W
D. Latitude, Longitude	44°00'N, 124°00'W
E. Stream Name	Siustlaw River
F. Major Basin Name	Mid Coast
G. River Mile	6.3 to 16.0

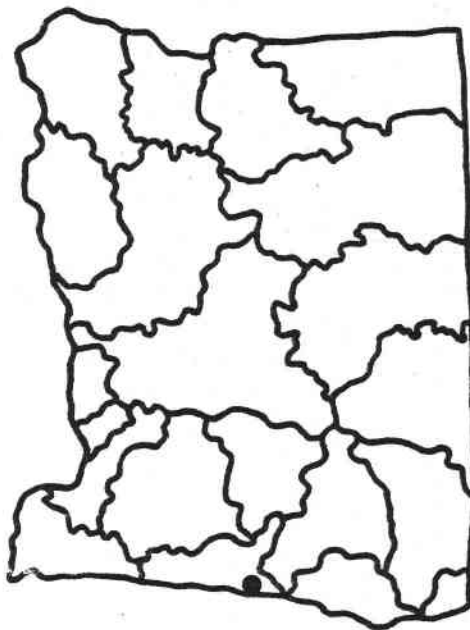
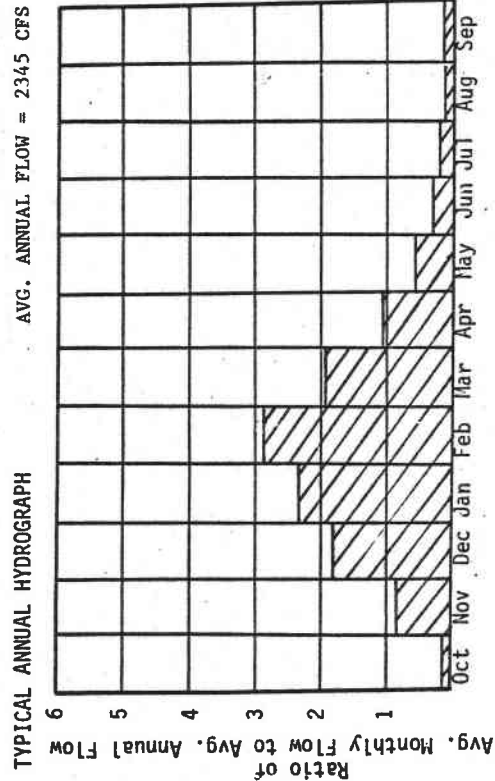
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	31	Ft. MSL
B. Downstream Elevation of Reach	12	Ft. MSL
C. Total Available Head in Reach	19	Ft.
D. Average Slope in Reach	2	Ft./Mi.
E. Drainage Area above Reach Mouth	679	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

ENERGY CHARACTERISTICS		THEORETICAL		ANNUAL ENERGY		PLANT	
I	PERCENTAGE	I	DISCHARGE	I	PLANT SIZE	I	AVAILABLE
I	I	I	CFS	I	MW	I	GMH
I	95	I	107.7	I	.17	I	1.52
I	80	I	195.4	I	.31	I	2.60
I	50	I	928.7	I	1.50	I	9.32
I	30	I	2269.1	I	3.65	I	16.89
I	10	I	6358.2	I	10.24	I	28.42
						I	.317
						I	1.000
						I	.944
						I	.712
						I	.528
						I	.317

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-029-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 21, T18S, R10W
D. Latitude, Longitude	43° 59' N, 123° 54' W
E. Stream Name	Sweet Creek
F. Major Basin Name	Mid Coast
G. River Mile	0.0 to 7.0

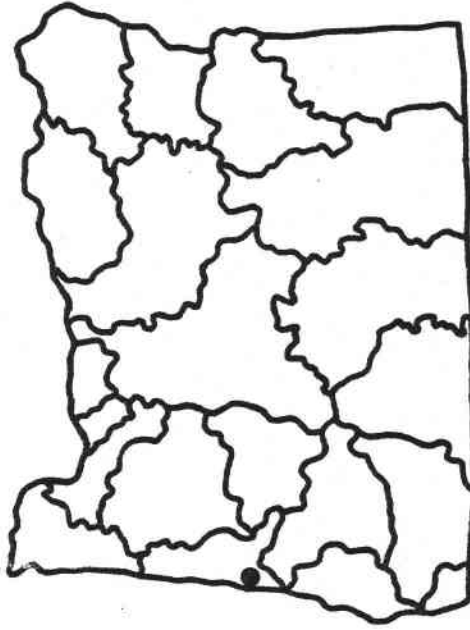
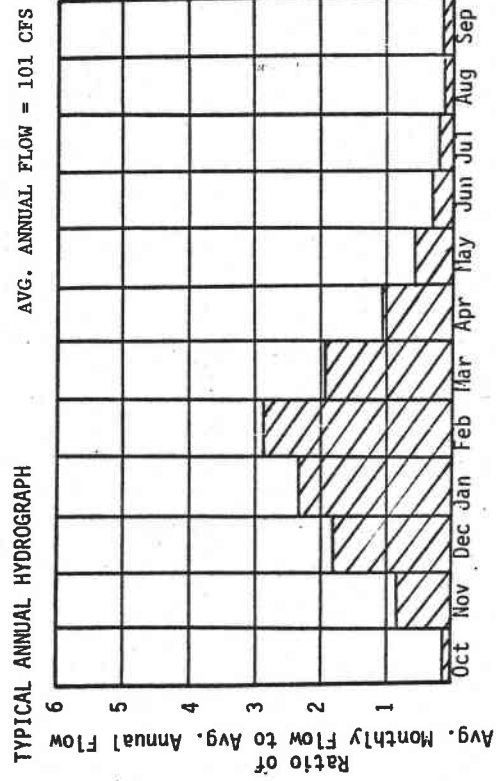
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	522	Ft. MSL
B. Downstream Elevation of Reach	31	Ft. MSL
C. Total Available Head in Reach	491	Ft.
D. Average Slope in Reach	70.1	Ft./Mi.
E. Drainage Area above Reach Mouth	25	Sq. Mi.
F. Inflow Classification	Natural	

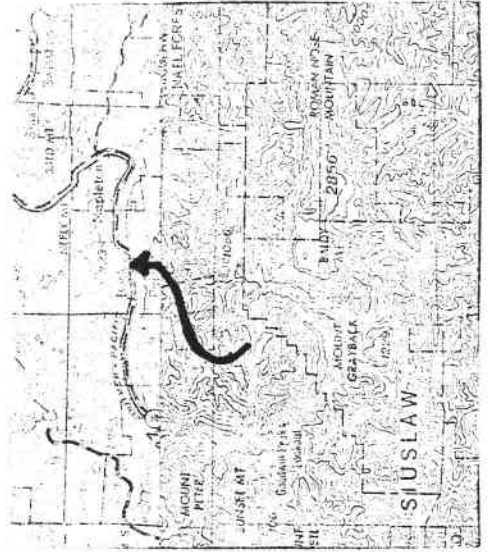
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW	I GWH	I
I 95	I 5.5	I .23	I 2.01	I 1.000
I 80	I 10.6	I .44	I 3.64	I .940
I 50	I 46.3	I 1.92	I 12.08	I .717
I 30	I 104.2	I 4.33	I 20.52	I .541
I 10	I 275.1	I 11.45	I 32.98	I .329

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-029-000-000-R0002

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 33, T19S, R10W
D. Latitude, Longitude	43° 57' N, 123° 52' W
E. Stream Name	Sweet Creek
F. Major Basin Name	Mid Coast
G. River Mile	7.0 to H.W.

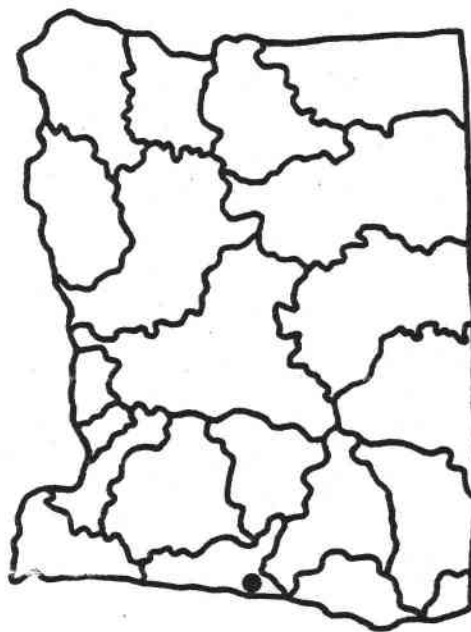
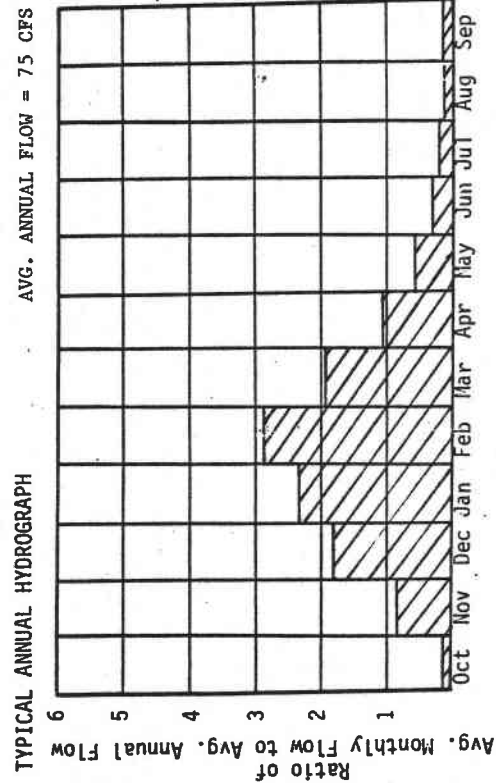
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

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	14	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95	I 4.2 I	I .02 I	I .20 I	I 1.000 I
I 80	I 8.1 I	I .05 I	I .37 I	I .939 I
I 50	I 34.9 I	I .20 I	I 1.23 I	I .717 I
I 30	I 78.0 I	I .44 I	I 2.07 I	I .542 I
I 10	I 204.8 I	I 1.15 I	I 3.31 I	I .330 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-033-000-000-RO001

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 1, T18S, R10W
D. Latitude, Longitude	44°02'N, 123°50'W
E. Stream Name	Knowles Creek
F. Major Basin Name	Mid Coast
G. River Mile	0.0 to 2.4

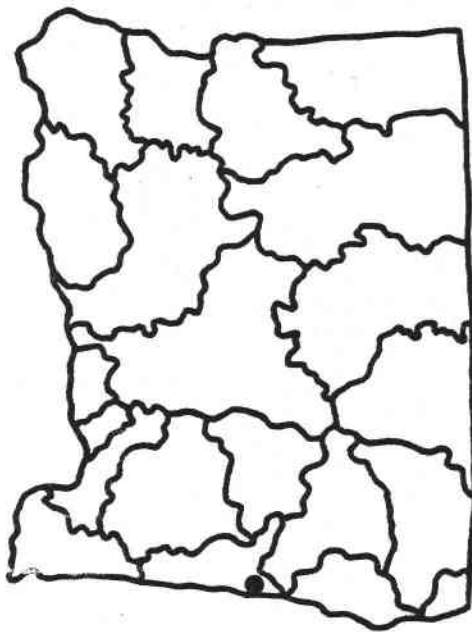
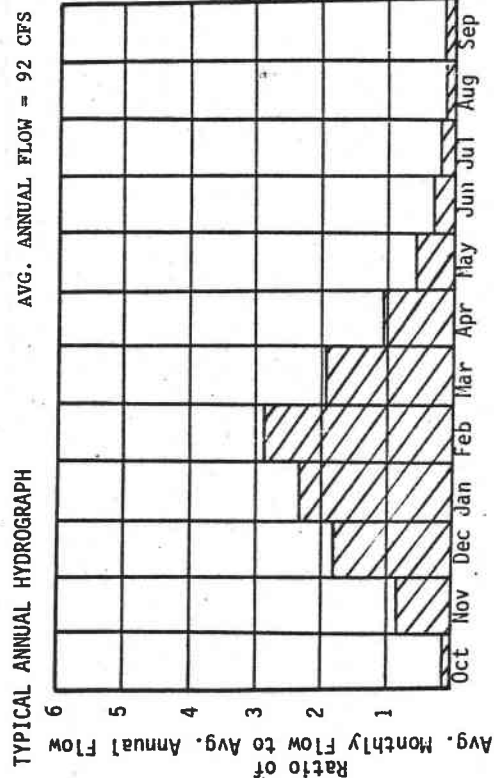
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	48	Ft. MSL
B. Downstream Elevation of Reach	40	Ft. MSL
C. Total Available Head in Reach	8	Ft.
D. Average Slope in Reach	3.3	Ft./Mi.
E. Drainage Area above Reach Mouth	20	Sq. Mi.
F. Inflow Classification	Natural	

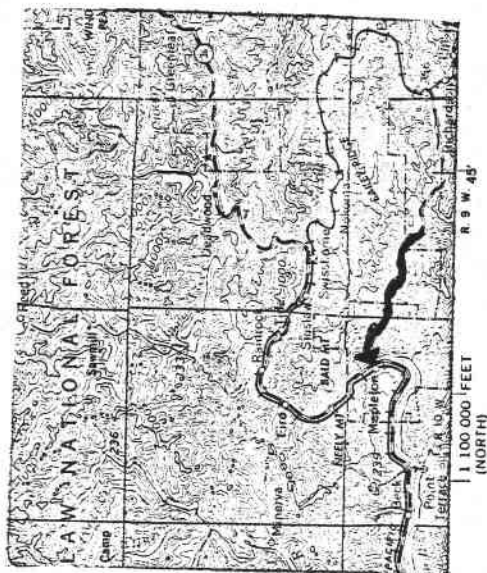
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I PERCENTAGE I	I DISCHARGE I CFS I	I THEORETICAL I PLANT SIZE I MW I	I ANNUAL ENERGY I AVAILABLE I GWH I	I PLANT I FACTOR I
I 95 I	I 5.0 I	I .00 I	I .03 I	I 1.000 I
I 80 I	I 9.7 I	I .01 I	I .05 I	I .940 I
I 50 I	I 42.1 I	I .03 I	I .18 I	I .717 I
I 30 I	I 94.5 I	I .06 I	I .30 I	I .541 I
I 10 I	I 249.2 I	I .17 I	I .49 I	I .329 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-033-000-000-R0002

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 7, T18S, R9W
D. Latitude, Longitude	43°59'N, 123°47'W
E. Stream Name	Knowles Creek
F. Major Basin Name	Mid Coast
G. River Mile	2.4 to H.W.

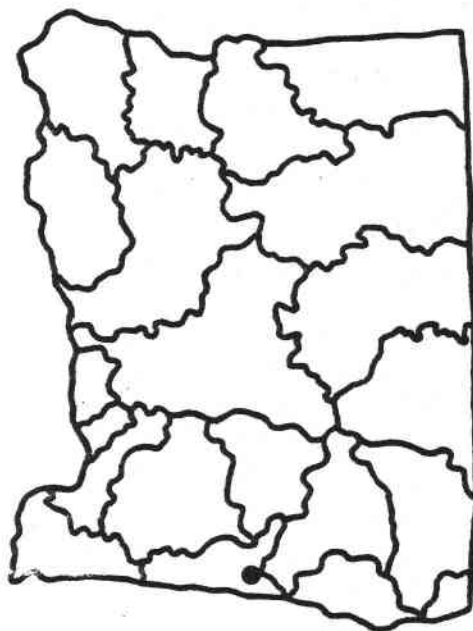
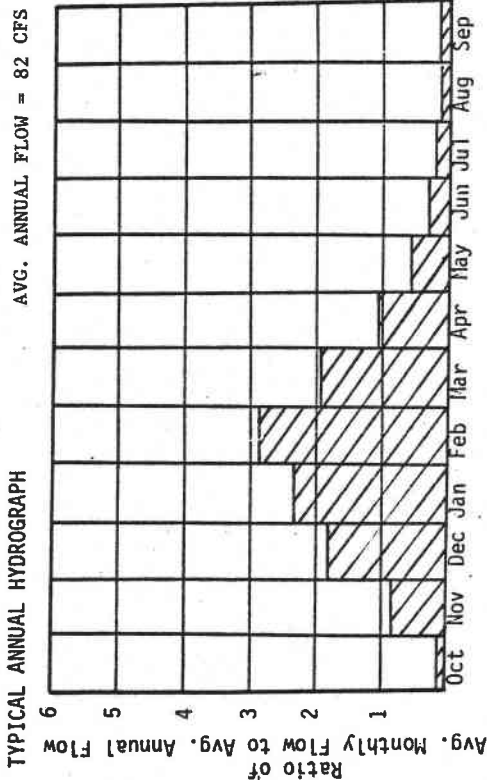
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

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	16	Sq. Mi.
F. Inflow Classification	Natural	

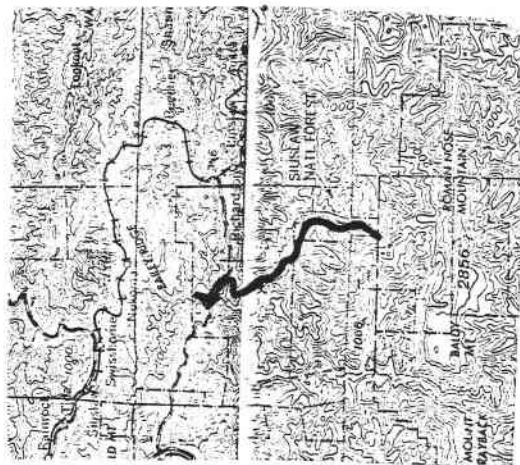
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I	PERCENTAGE	I	DISCHARGE	I	THEORETICAL	I	ANNUAL ENERGY	I	PLANT
I	I	I	CFS	I	PLANT SIZE	I	AVAILABLE	I	FACTOR
I	I	I	I	I	MW	I	GW/H	I	I
I	95	I	4.5	I	.03	I	.22	I	1.000
I	80	I	8.7	I	.05	I	.40	I	.940
I	50	I	37.8	I	.21	I	1.33	I	.717
I	30	I	84.8	I	.47	I	2.25	I	.541
I	10	I	223.0	I	1.25	I	3.60	I	.330

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-000-000-000-R0004

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 23, T17S, R10W
D. Latitude, Longitude	44°04'N, 123°51'W
E. Stream Name	Siuslaw River
F. Major Basin Name	Mid Coast
G. River Mile	20.7 to 29.2

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

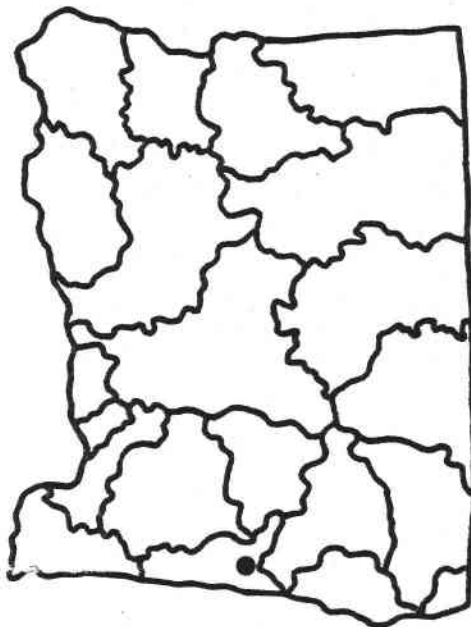
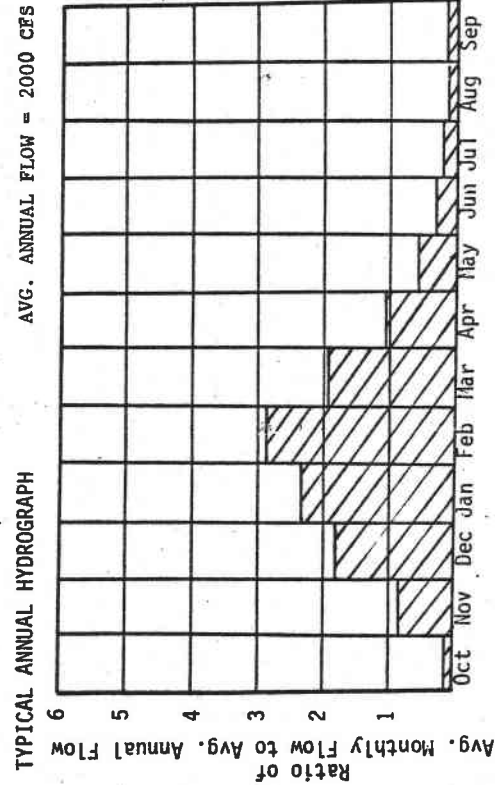
A. Upstream Elevation of Reach	56	Ft. MSL
B. Downstream Elevation of Reach	40	Ft. MSL
C. Total Available Head in Reach	16	Ft.
D. Average Slope in Reach	1.9	Ft./Mi.
E. Drainage Area above Reach Mouth	582	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

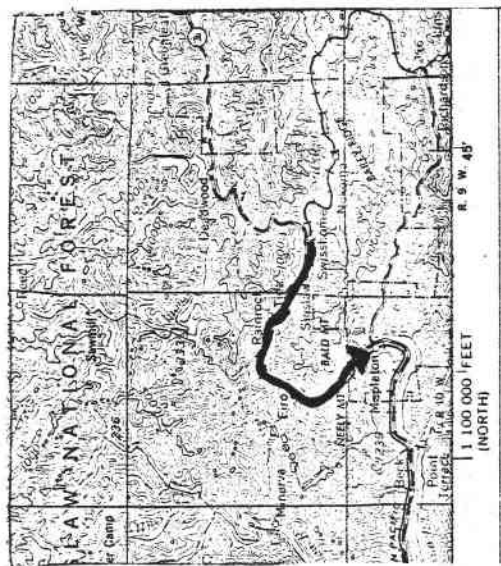
ENERGY CHARACTERISTICS

I	PERCENTAGE	I	DISCHARGE	I	THEORETICAL	I	ANNUAL ENERGY	I	PLANT
I	I	I	CFS	I	PLANT SIZE	I	AVAILABLE	I	FACTOR
I	I	I	I	I	MW	I	GMH	I	I
I	95	I	92.6	I	.13	I	1.10	I	1.000
I	80	I	168.5	I	.23	I	1.89	I	.944
I	50	I	797.5	I	1.08	I	6.75	I	.712
I	30	I	1940.5	I	2.63	I	12.18	I	.528
I	10	I	5421.2	I	7.35	I	20.44	I	.317

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 28, T17S, R9W
D. Latitude, Longitude	44°04'N, 123°47'W
E. Stream Name	Lake Creek
F. Major Basin Name	Mid Coast
G. River Mile	0.0 to 2.2

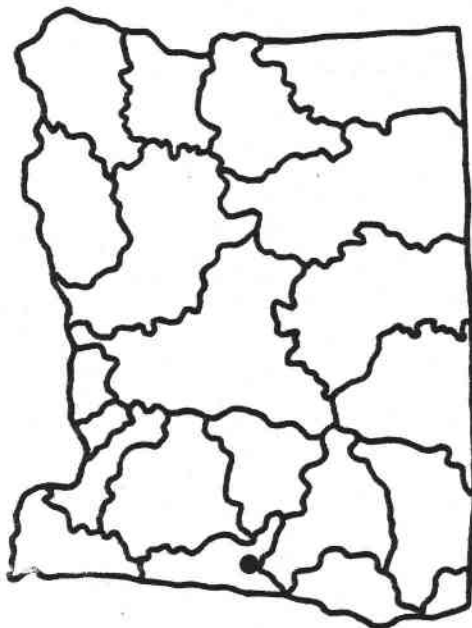
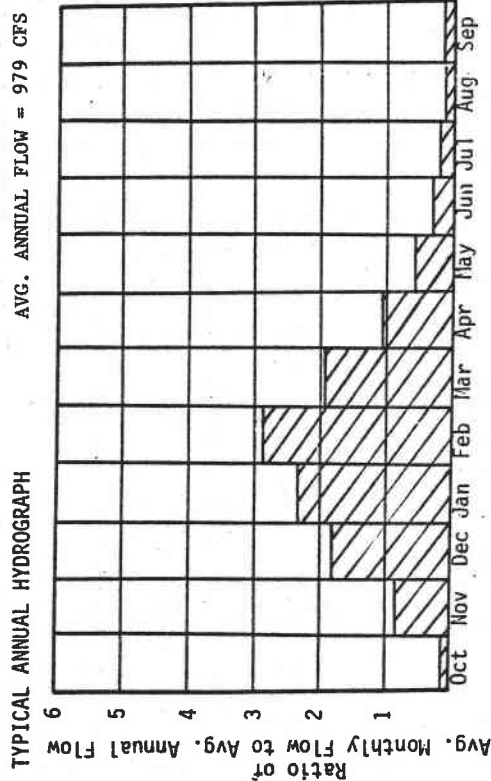
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	207	Ft. MSL
B. Downstream Elevation of Reach	56	Ft. MSL
C. Total Available Head in Reach	151	Ft.
D. Average Slope in Reach	68.6	Ft./Mi.
E. Drainage Area above Reach Mouth	215	Sq. Mi.
F. Inflow Classification	Natural	

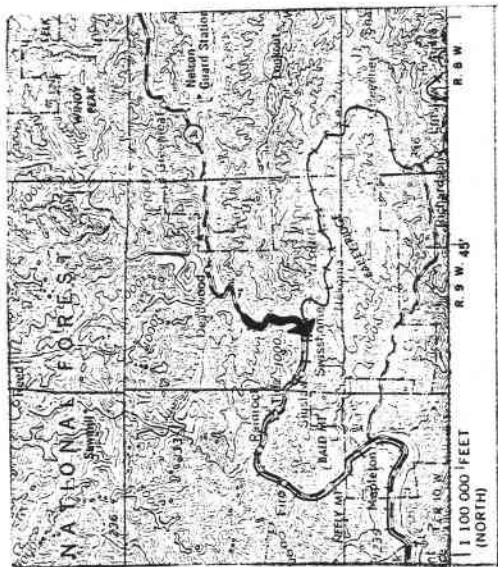
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95	I 47.1 I	I .60 I	I 5.28 I	I 1.000 I
I 80	I 87.0 I	I 1.11 I	I 9.19 I	I .943 I
I 50	I 403.4 I	I 5.16 I	I 32.25 I	I .713 I
I 30	I 963.6 I	I 12.33 I	I 57.37 I	I .531 I
I 10	I 2656.0 I	I 33.99 I	I 95.31 I	I .320 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-021-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 7, T17S, R9W
D. Latitude, Longitude	44°06'N, 123°47'W
E. Stream Name	Indian Creek
F. Major Basin Name	Mid Coast
G. River Mile	0.0 to 12.0

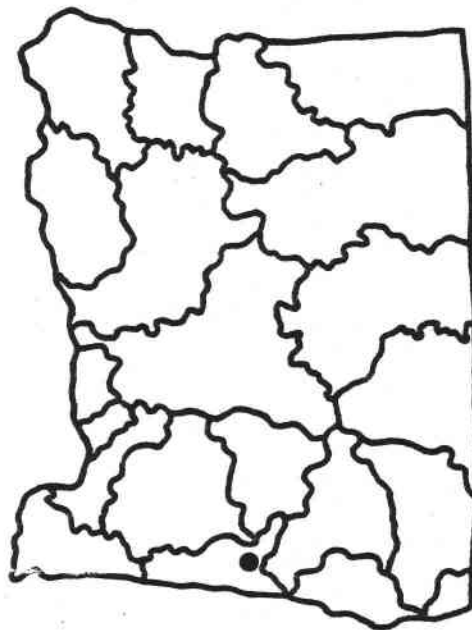
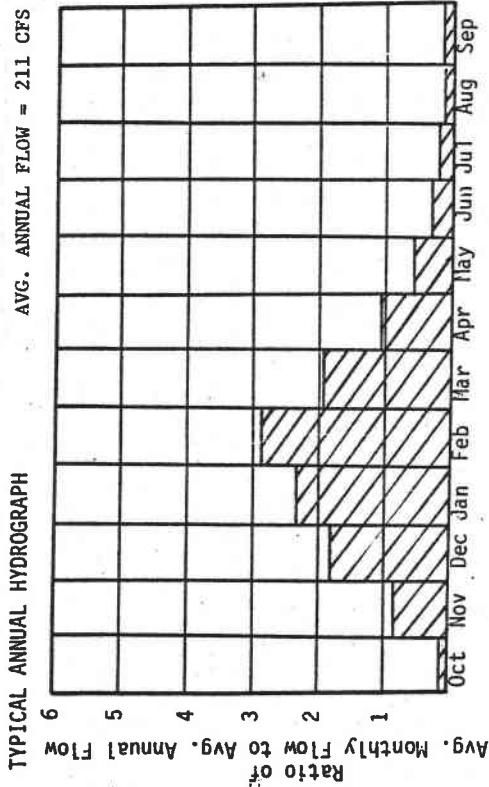
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	290	Ft. MSL
B. Downstream Elevation of Reach	207	Ft. MSL
C. Total Available Head in Reach	83	Ft.
D. Average Slope in Reach	6.9	Ft./Mi.
E. Drainage Area above Reach Mouth	47	Sq. Mi.
F. Inflow Classification	Natural	

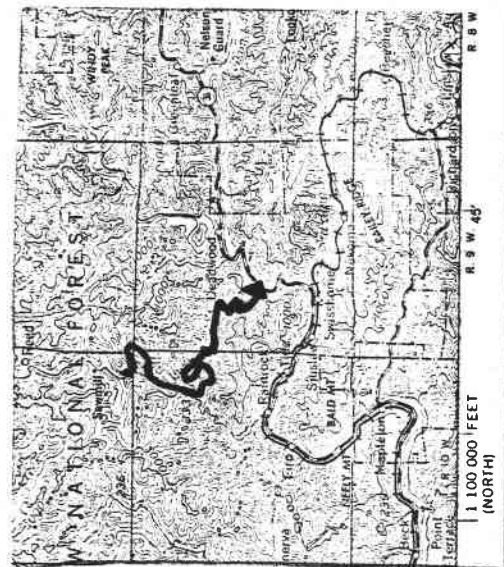
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 11.0 I	I .08 I	I .68 I	I 1.000 I
I 80 I	I 21.0 I	I .15 I	I 1.21 I	I .941 I
I 50 I	I 93.2 I	I .66 I	I 4.11 I	I .715 I
I 30 I	I 213.8 I	I 1.50 I	I 7.08 I	I .537 I
I 10 I	I 572.6 I	I 4.03 I	I 11.50 I	I .326 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-021-010-R0001

I. LOCATION

A. State Oregon
 B. County Lane
 C. Township, Range Sec. 23, T17S, R9W
 D. Latitude, Longitude 44°05'N, 123°48'W
 E. Stream Name West Fork Indian Creek
 F. Major Basin Name Mid Coast
 G. River Mile 0.0 to H.W.

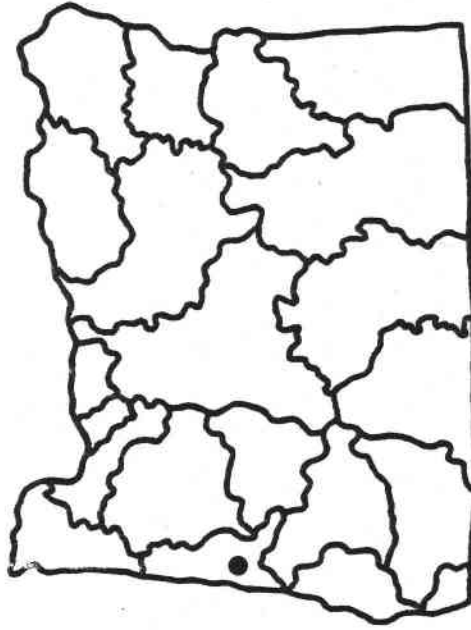
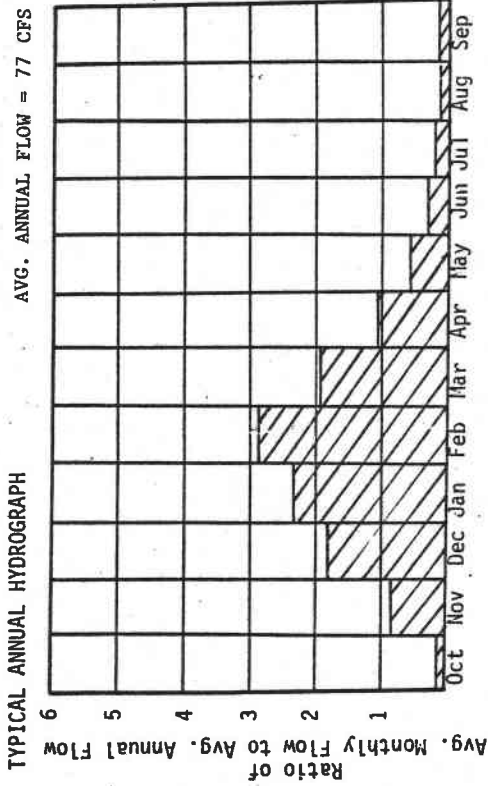
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

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 14 Sq. Mi.
 F. Inflow Classification Natural

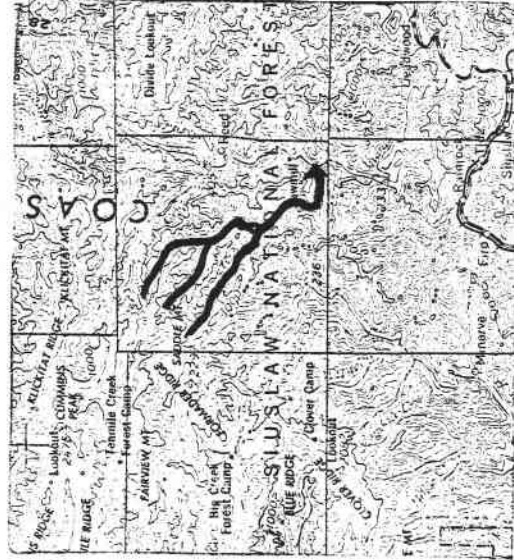
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I	PERCENTAGE	I	DISCHARGE	I	THEORETICAL	I	ANNUAL ENERGY	I	PLANT
I	I	I	CFS	I	PLANT SIZE	I	AVAILABLE	I	FACTOR
I	I	I	I	I	MW	I	GWH	I	I
I	95	I	4.3	I	.02	I	.21	I	1.000
I	80	I	8.3	I	.05	I	.38	I	.939
I	50	I	35.7	I	.20	I	1.25	I	.717
I	30	I	79.9	I	.45	I	2.12	I	.542
I	10	I	209.9	I	1.17	I	3.39	I	.330

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-021-000-R0002

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 31, T16S, R10W
D. Latitude, Longitude	44°10'N, 123°47'W
E. Stream Name	Indian Creek
F. Major Basin Name	Mid Coast
G. River Mile	12.0 to 16.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	350	Ft. MSL
B. Downstream Elevation of Reach	290	Ft. MSL
C. Total Available Head in Reach	60	Ft.
D. Average Slope in Reach	15	Ft./Mi.
E. Drainage Area above Reach Mouth	19	Sq. Mi.
F. Inflow Classification	Natural	

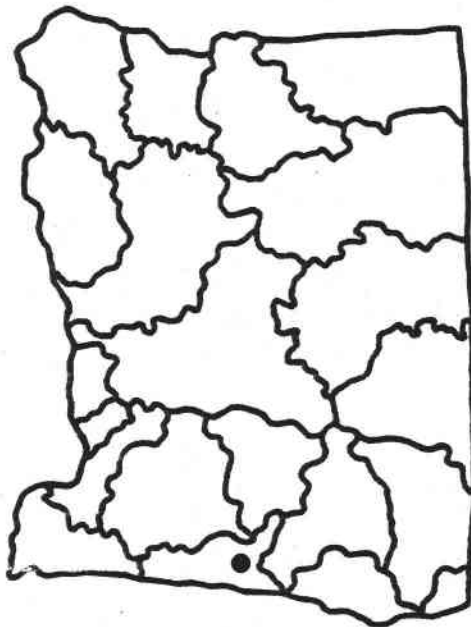
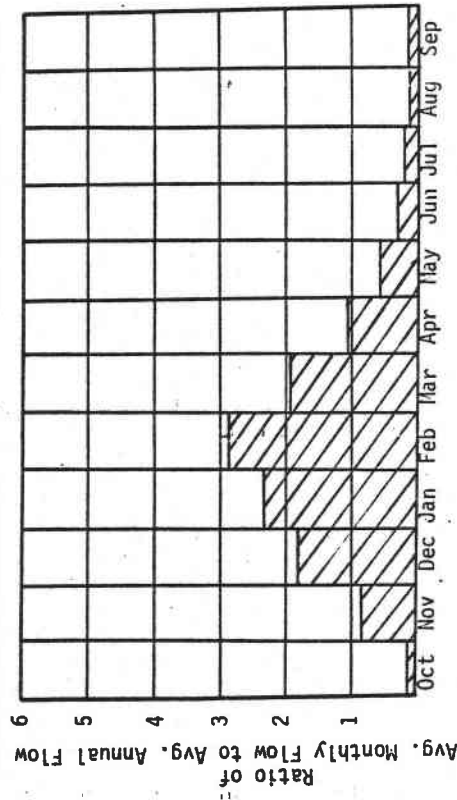
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

ENERGY CHARACTERISTICS

I	PERCENTAGE	I	DISCHARGE	I	THEORETICAL	I	ANNUAL ENERGY	I	PLANT
I	I	I	CFS	I	PLANT SIZE	I	AVAILABLE	I	FACTOR
I	I	I	I	I	MW	I	GMH	I	I
I	95	I	5.4	I	.03	I	.24	I	1.000
I	80	I	10.4	I	.05	I	.44	I	.940
I	50	I	45.3	I	.23	I	1.45	I	.717
I	30	I	102.0	I	.52	I	2.46	I	.541
I	10	I	269.3	I	1.37	I	3.95	I	.329

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 99 CFS



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-021-000-R0003

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 24, T16S, R10W
D. Latitude, Longitude	44°12'N, 123°47'W
E. Stream Name	Indian Creek
F. Major Basin Name	Mid Coast
G. River Mile	16.0 to H.W.

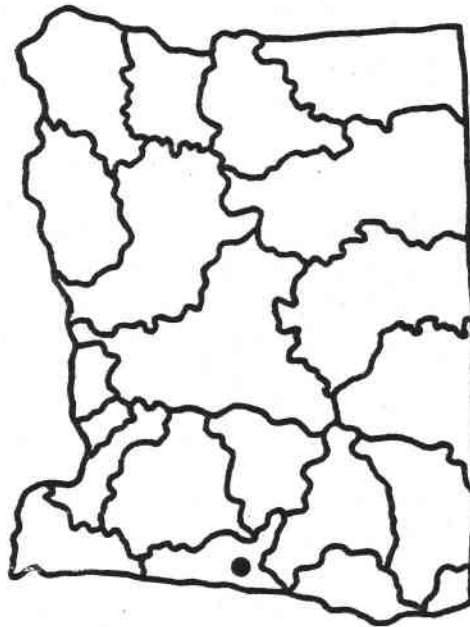
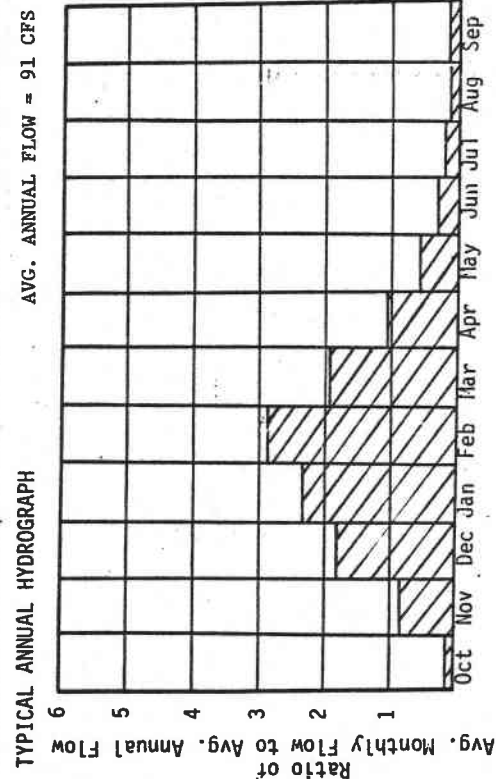
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

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

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 5.0 I	I .03 I	I .24 I	I 1.000 I
I 80 I	I 9.6 I	I .05 I	I .44 I	I .940 I
I 50 I	I 41.7 I	I .23 I	I 1.47 I	I .717 I
I 30 I	I 93.7 I	I .52 I	I 2.48 I	I .541 I
I 10 I	I 247.1 I	I 1.38 I	I 3.99 I	I .329 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-000-000-R0002

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 15, T17S, R9W
D. Latitude, Longitude	44°07'N, 123°46'W
E. Stream Name	Lake Creek
F. Major Basin Name	Mid Coast
G. River Mile	2.2 to 5.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

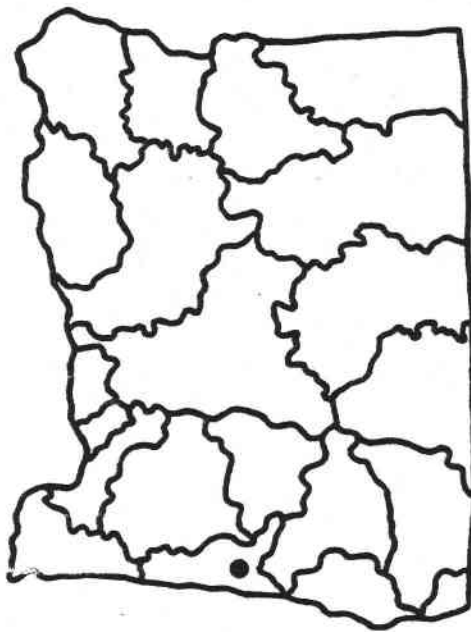
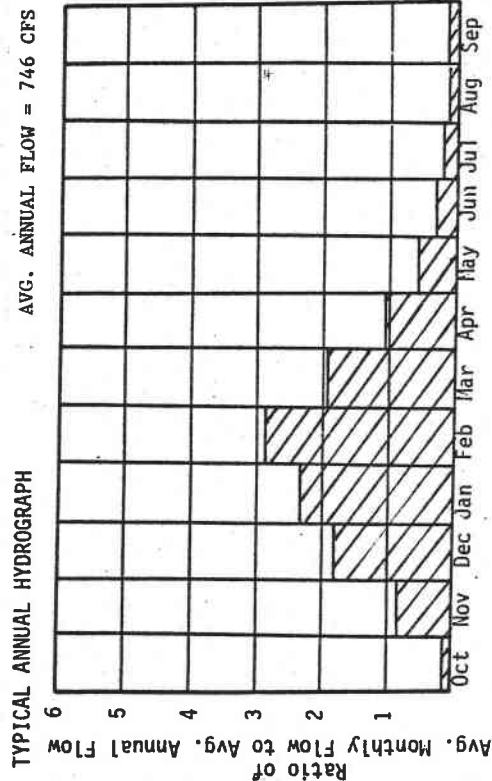
A. Upstream Elevation of Reach	243	Ft. MSL
B. Downstream Elevation of Reach	207	Ft. MSL
C. Total Available Head in Reach	36	Ft.
D. Average Slope in Reach	12.8	Ft./Mi.
E. Drainage Area above Reach Mouth	166	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

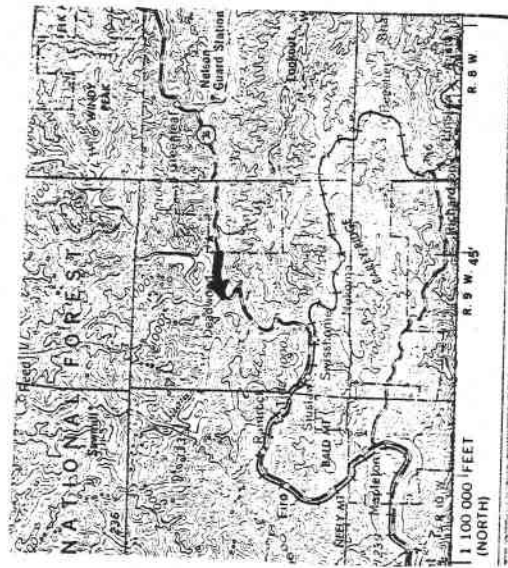
ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95	I 36.4 I	I .11 I	I .97 I	I 1.000 I
I 80	I 67.6 I	I .21 I	I 1.70 I	I .942 I
I 50	I 311.4 I	I .95 I	I 5.94 I	I .713 I
I 30	I 738.5 I	I 2.25 I	I 10.50 I	I .532 I
I 10	I 2025.3 I	I 6.18 I	I 17.38 I	I .321 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-022-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 10, T17S, R9W
D. Latitude, Longitude	44°08'N, 123°45'W
E. Stream Name	Deadwood Creek
F. Major Basin Name	Mid Coast
G. River Mile	0.0 to 6.5

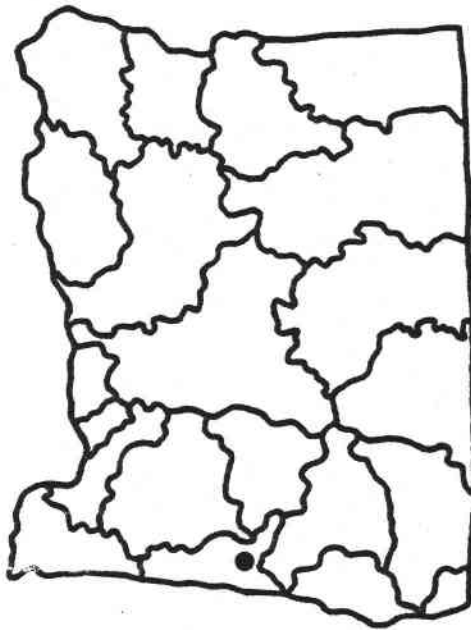
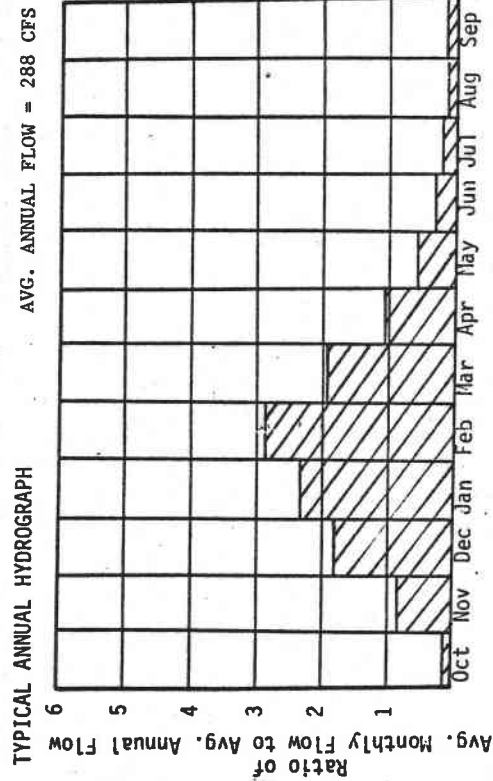
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	342	Ft. MSL
B. Downstream Elevation of Reach	243	Ft. MSL
C. Total Available Head in Reach	99	Ft.
D. Average Slope in Reach	15.2	Ft./Mi.
E. Drainage Area above Reach Mouth	56	Sq. Mi.
F. Inflow Classification	Natural	

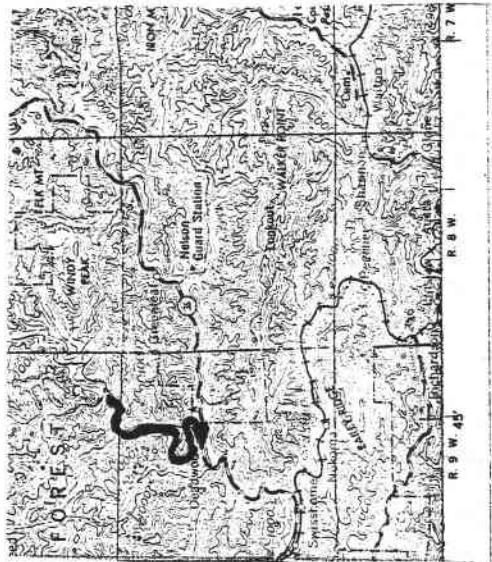
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95	I 14.8 I	I .12 I	I 1.08 I	I 1.000 I
I 80	I 27.9 I	I .23 I	I 1.93 I	I .941 I
I 50	I 125.1 I	I 1.05 I	I 6.57 I	I .715 I
I 30	I 289.5 I	I 2.43 I	I 11.41 I	I .536 I
I 10	I 779.7 I	I 6.54 I	I 18.61 I	I .325 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-022-001-R0001

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 35, T16S, R9W
D. Latitude, Longitude	44°09'N, 123°45'W
E. Stream Name	West Fork Deadwood Creek
F. Major Basin Name	Mid Coast
G. River Mile	0.0 to 0.7

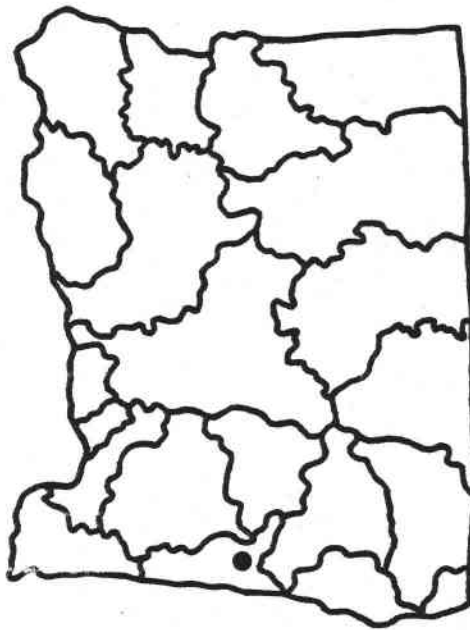
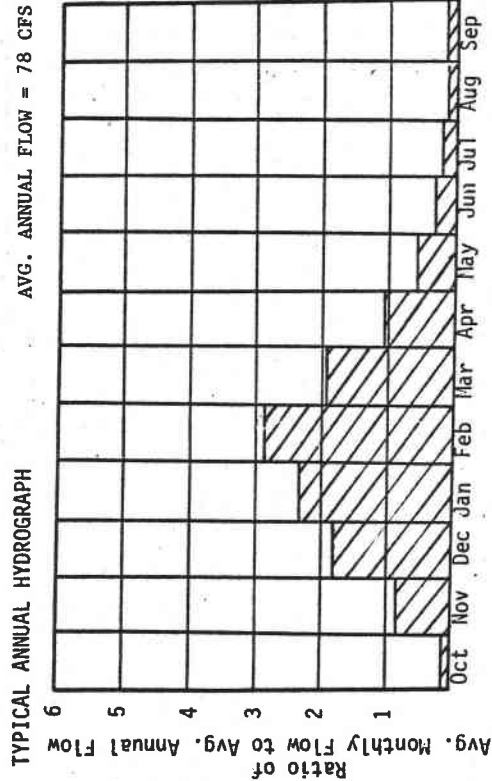
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	348	Ft. MSL
B. Downstream Elevation of Reach	342	Ft. MSL
C. Total Available Head in Reach	6	Ft.
D. Average Slope in Reach	8.6	Ft./Mi.
E. Drainage Area above Reach Mouth	14	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 4.3 I	I .00 I	I .02 I	I 1.000 I
I 80 I	I 8.3 I	I .00 I	I .03 I	I .939 I
I 50 I	I 36.0 I	I .02 I	I .12 I	I .717 I
I 30 I	I 80.6 I	I .04 I	I .19 I	I .542 I
I 10 I	I 211.7 I	I .11 I	I .31 I	I .330 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-022-001-R0002

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 35, T16S, R9W
D. Latitude, Longitude	44°12' N, 123°46' W
E. Stream Name	West Fork Deadwood Creek
F. Major Basin Name	Mid Coast
G. River Mile	0.7 to H.W.

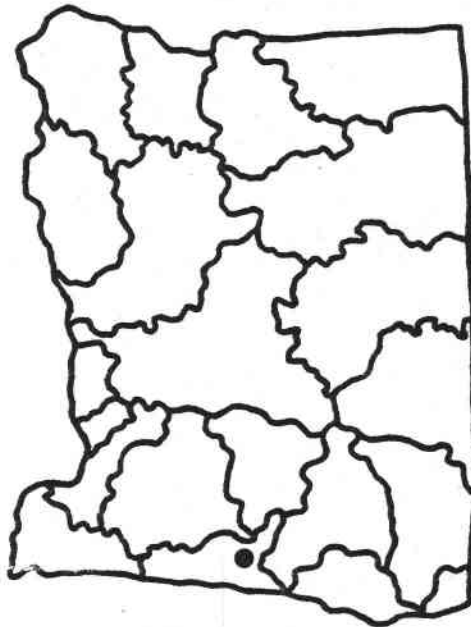
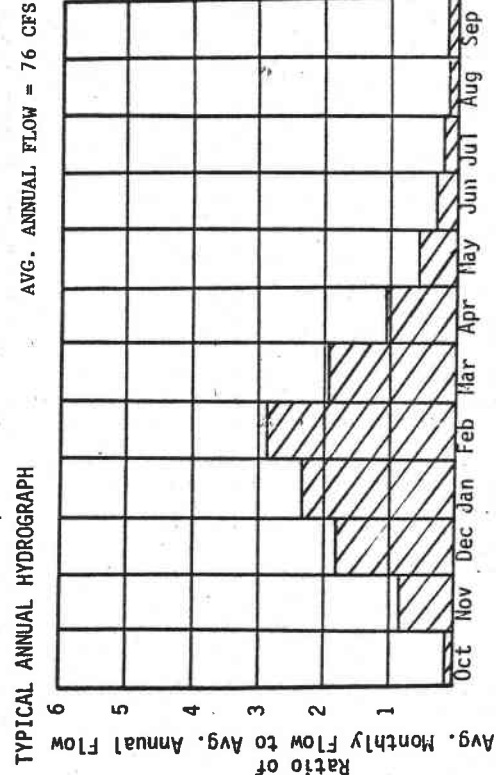
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

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	13	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I I
I 95 I	I 4.2 I	I .02 I	I .20 I	I 1.000 I
I 80 I	I 8.1 I	I .05 I	I .37 I	I .939 I
I 50 I	I 34.9 I	I .20 I	I 1.23 I	I .717 I
I 30 I	I 78.1 I	I .44 I	I 2.07 I	I .542 I
I 10 I	I 205.1 I	I 1.15 I	I 3.32 I	I .330 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-022-000-R0002

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 30, T16S, R8W
D. Latitude, Longitude	44°11'N, 123°43'W
E. Stream Name	Deadwood Creek
F. Major Basin Name	Mid Coast
G. River Mile	6.5 to 15.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

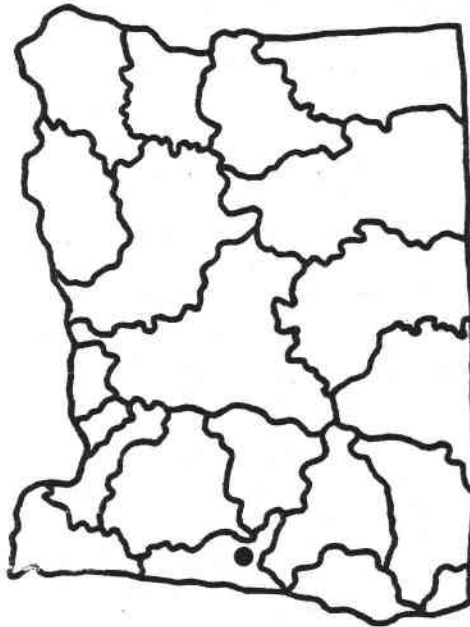
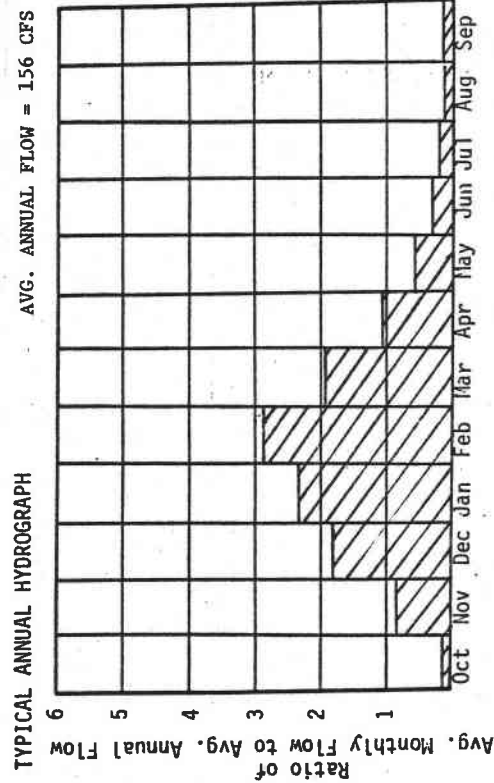
A. Upstream Elevation of Reach	475	Ft. MSL
B. Downstream Elevation of Reach	342	Ft. MSL
C. Total Available Head in Reach	133	Ft.
D. Average Slope in Reach	15.7	Ft./Mi.
E. Drainage Area above Reach Mouth	36	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

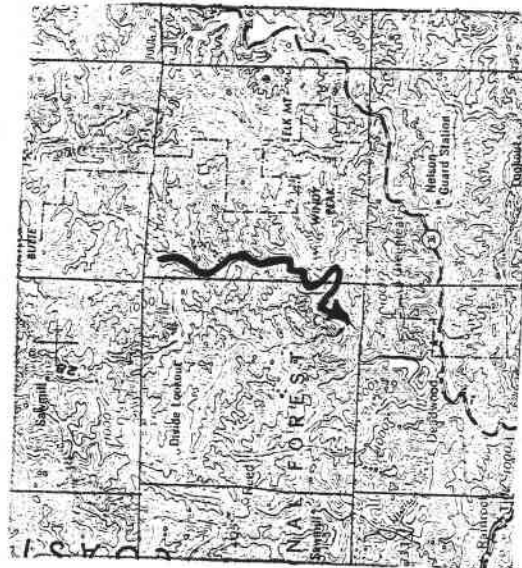
ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 8.3 I	I .09 I	I .82 I	I 1.000 I
I 80 I	I 15.9 I	I .18 I	I 1.48 I	I .940 I
I 50 I	I 70.1 I	I .79 I	I 4.95 I	I .716 I
I 30 I	I 159.6 I	I 1.80 I	I 8.49 I	I .539 I
I 10 I	I 425.1 I	I 4.79 I	I 13.73 I	I .327 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-022-000-R0003

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 7, T15S, R8W
D. Latitude, Longitude	44°14'N, 123°41'W
E. Stream Name	Deadwood Creek
F. Major Basin Name	Mid Coast
G. River Mile	15.0 to H.W.

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

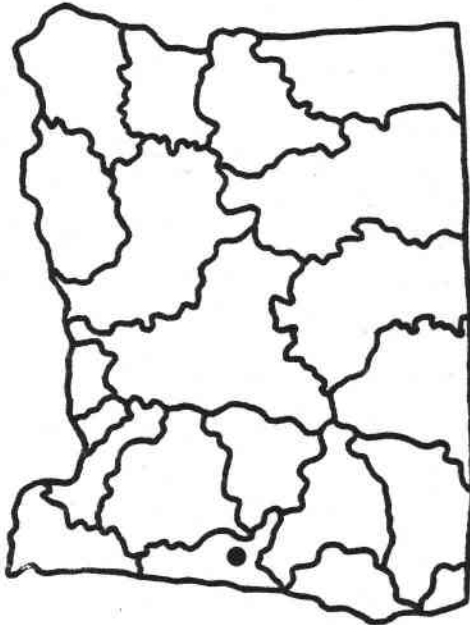
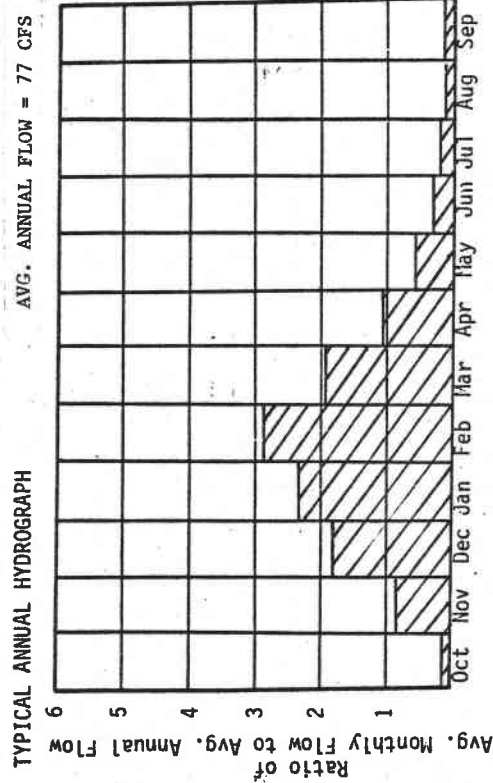
A. Upstream Elevation of Reach	---	Ft. MSL
B. Downstream Elevation of Reach	---	Ft. MSL
C. Total Available Head in Reach	66	Ft.
D. Average Slope in Reach	---	Ft./Mi.
E. Drainage Area above Reach Mouth	13	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 4.3 I	I .02 I	I .21 I	I 1.000 I
I 80 I	I 8.3 I	I .05 I	I .38 I	I .939 I
I 50 I	I 35.7 I	I .20 I	I 1.25 I	I .717 I
I 30 I	I 79.9 I	I .45 I	I 2.12 I	I .542 I
I 10 I	I 209.9 I	I 1.17 I	I 3.39 I	I .330 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-000-000-R0003

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 13, T17S, R9W
D. Latitude, Longitude	44°05'N, 123°42'W
E. Stream Name	Lake Creek
F. Major Basin Name	Mid Coast
G. River Mile	5.0 to 10.0

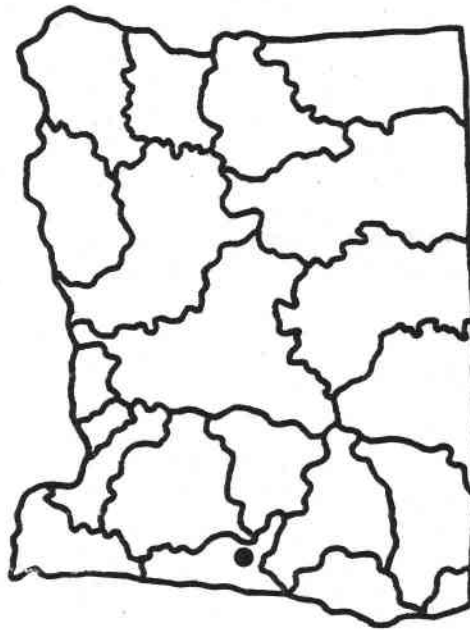
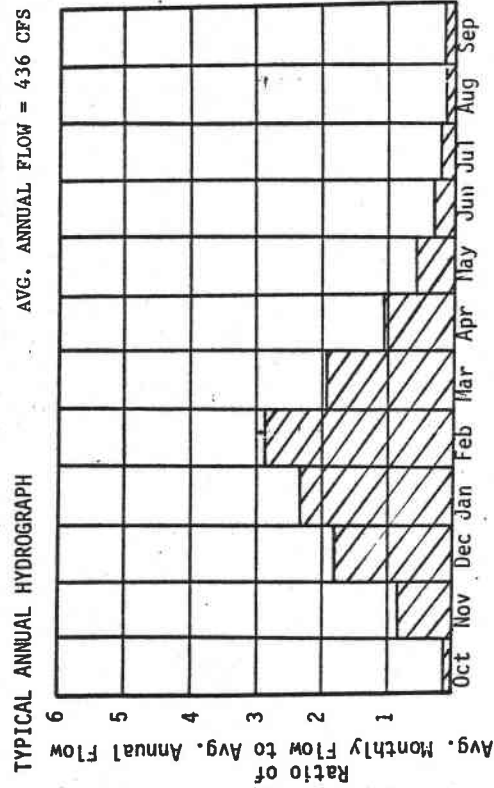
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	333	Ft. MSL
B. Downstream Elevation of Reach	243	Ft. MSL
C. Total Available Head in Reach	90	Ft.
D. Average Slope in Reach	18	Ft./Mi.
E. Drainage Area above Reach Mouth	104	Sq.Mi.
F. Inflow Classification	Natural	

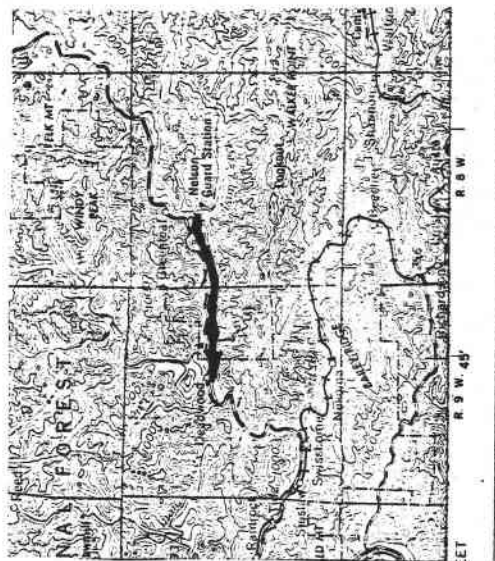
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

I EXCEEDANCE I PERCENTAGE I	I DISCHARGE I CFS I	I THEORETICAL I PLANT SIZE I MW I	I ANNUAL ENERGY I AVAILABLE I GWH I	I PLANT I FACTOR I I
I 95 I	I 21.9 I	I .17 I	I 1.47 I	I 1.000 I
I 80 I	I 41.1 I	I .31 I	I 2.59 I	I .942 I
I 50 I	I 186.6 I	I 1.42 I	I 8.91 I	I .714 I
I 30 I	I 436.5 I	I 3.33 I	I 15.58 I	I .534 I
I 10 I	I 1185.1 I	I 9.04 I	I 25.59 I	I .323 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-000-000-R0004

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 3, T17S, R8W
D. Latitude, Longitude	44°07'N, 123°38'W
E. Stream Name	Lake Creek
F. Major Basin Name	Mid Coast
G. River Mile	10.0 to 14.5

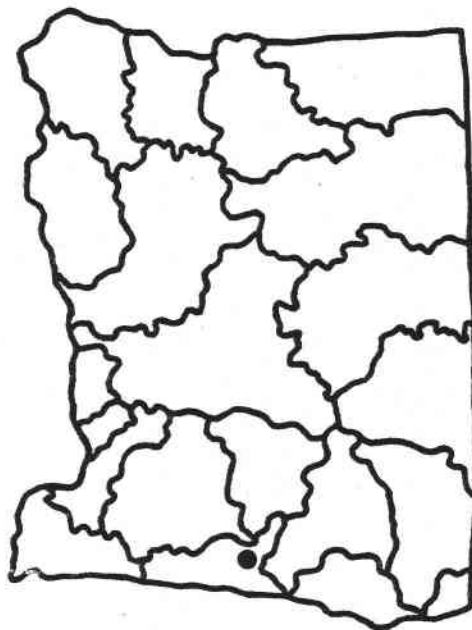
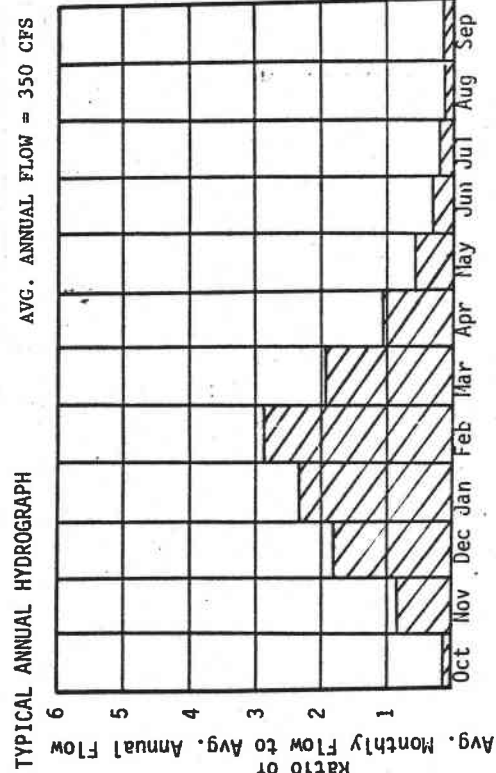
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	380	Ft. MSL
B. Downstream Elevation of Reach	333	Ft. MSL
C. Total Available Head in Reach	47	Ft.
D. Average Slope in Reach	10.4	Ft./Mi.
E. Drainage Area above Reach Mouth	81	Sq. Mi.
F. Inflow Classification	Natural	

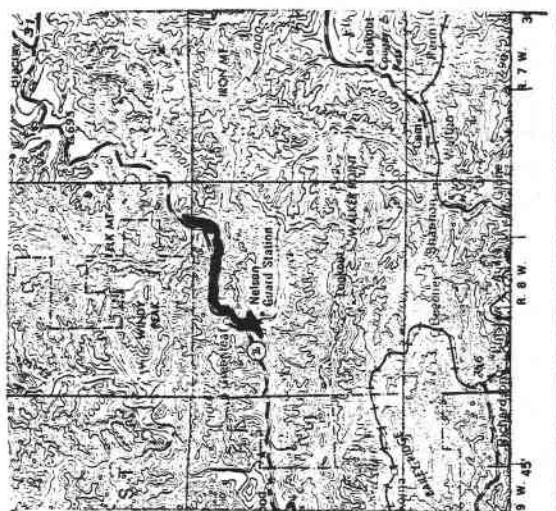
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I PERCENTAGE I	I DISCHARGE I CFS I	I THEORETICAL I PLANT SIZE I MW I	I ANNUAL ENERGY I AVAILABLE I GWH I	I PLANT I FACTOR I
I 95 I	I 17.8 I	I .07 I	I .62 I	I 1.000 I
I 80 I	I 33.4 I	I .13 I	I 1.10 I	I .941 I
I 50 I	I 150.8 I	I .60 I	I 3.76 I	I .715 I
I 30 I	I 350.6 I	I 1.40 I	I 6.55 I	I .535 I
I 10 I	I 947.8 I	I 3.78 I	I 10.72 I	I .324 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-000-000-R0005

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 30, T16S, R7W
D. Latitude, Longitude	44°08'N, 123°36'W
E. Stream Name	Lake Creek
F. Major Basin Name	Mid Coast
G. River Mile	14.5 to 19.0

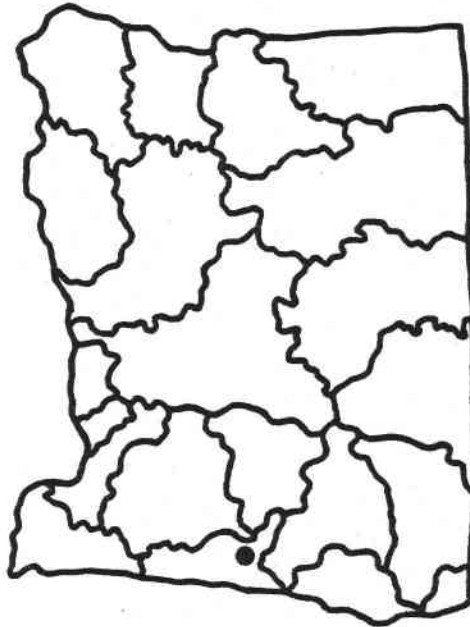
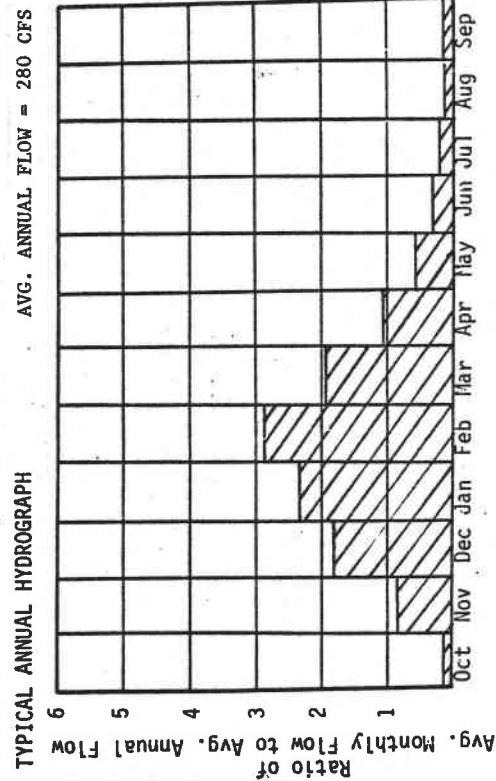
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	600	Ft. MSL
B. Downstream Elevation of Reach	380	Ft. MSL
C. Total Available Head in Reach	220	Ft.
D. Average Slope in Reach	40	Ft./Mi.
E. Drainage Area above Reach Mouth	65	Sq. Mi.
F. Inflow Classification	Natural	

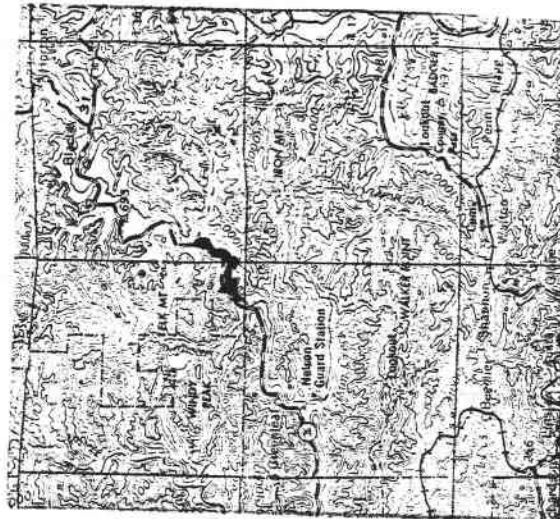
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I I
I 95 I	I 12.8 I	I .24 I	I 2.09 I	I 1.000 I
I 80 I	I 24.3 I	I .45 I	I 3.73 I	I .941 I
I 50 I	I 108.5 I	I 2.02 I	I 12.68 I	I .715 I
I 30 I	I 250.2 I	I 4.66 I	I 21.93 I	I .537 I
I 10 I	I 671.9 I	I 12.53 I	I 35.71 I	I .325 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-000-000-R0006

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 9, T16S, R7W
D. Latitude, Longitude	44°11'N, 123°27'W
E. Stream Name	Lake Creek
F. Major Basin Name	Mid Coast
G. River Mile	20.0 to 27.6

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	725	Ft. MSL
B. Downstream Elevation of Reach	600	Ft. MSL
C. Total Available Head in Reach	125	Ft.
D. Average Slope in Reach	16.4	Ft./Mi.
E. Drainage Area above Reach Mouth	42	Sq. Mi.
F. Inflow Classification	Natural	

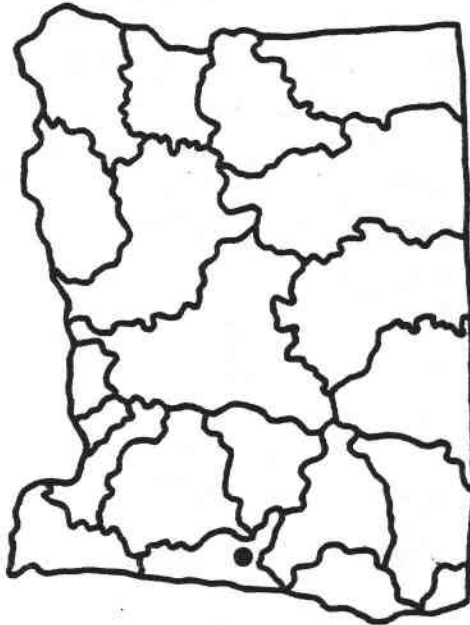
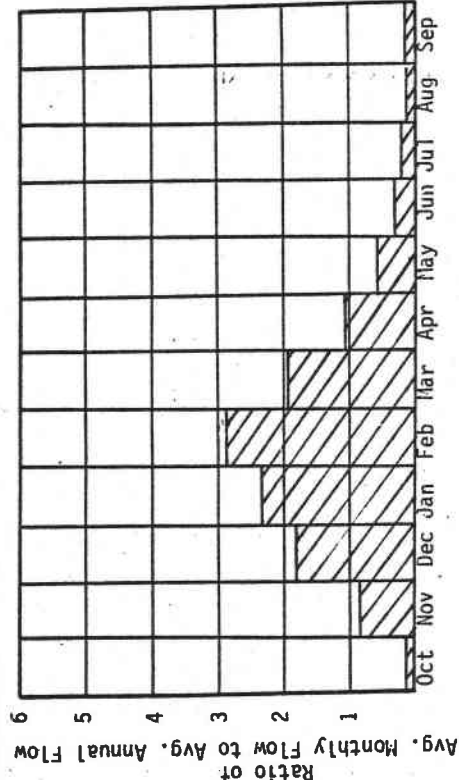
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 8.7 I	I .09 I	I .81 I	I 1.000 I
I 80 I	I 16.6 I	I .18 I	I 1.45 I	I .940 I
I 50 I	I 73.2 I	I .78 I	I 4.86 I	I .716 I
I 30 I	I 166.9 I	I 1.77 I	I 8.34 I	I .538 I
I 10 I	I 444.9 I	I 4.71 I	I 13.50 I	I .327 I

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 164 CFS



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-042-000-000-R0007

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 35, T15S, R7W
D. Latitude, Longitude	44°15'N, 123°31'W
E. Stream Name	Lake Creek
F. Major Basin Name	Mid Coast
G. River Mile	27.6 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	24	Sq. Mi.
F. Inflow Classification	Natural	

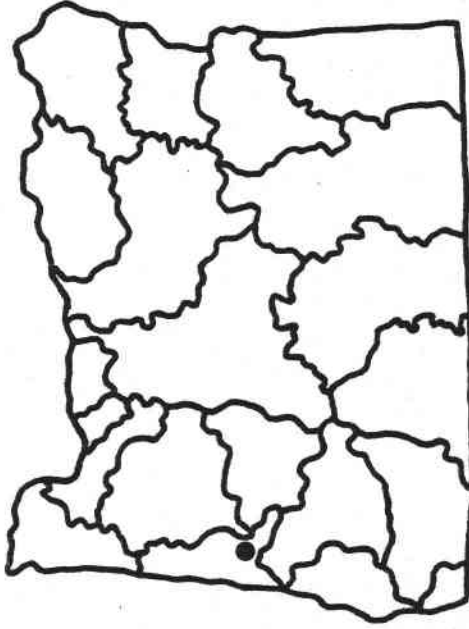
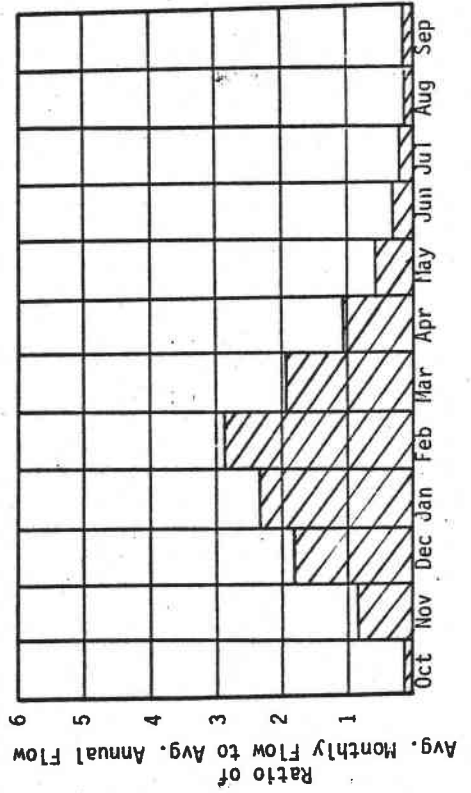
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

ENERGY CHARACTERISTICS

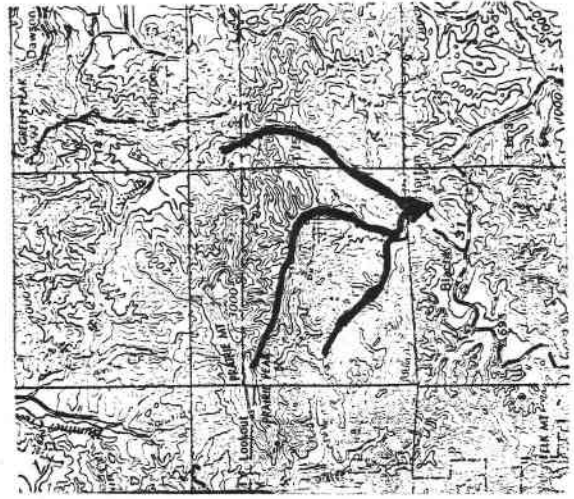
I	PERCENTAGE	I	DISCHARGE	I	THEORETICAL	I	ANNUAL ENERGY	I	PLANT
I	I	I	CFS	I	PLANT SIZE	I	AVAILABLE	I	FACTOR
I	I	I	I	I	MW	I	GMH	I	I
I	95	I	6.5	I	.04	I	.32	I	1.000
I	80	I	12.5	I	.07	I	.58	I	.940
I	50	I	54.8	I	.31	I	1.92	I	.716
I	30	I	123.9	I	.69	I	3.28	I	.540
I	10	I	328.4	I	1.84	I	5.28	I	.328

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 121 CFS



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-000-000-000-R0005

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 35, T19S, R9W
D. Latitude, Longitude	44°03'N, 123°44'W
E. Stream Name	Siuslaw River
F. Major Basin Name	Mid Coast
G. River Mile	29.2 to 37.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

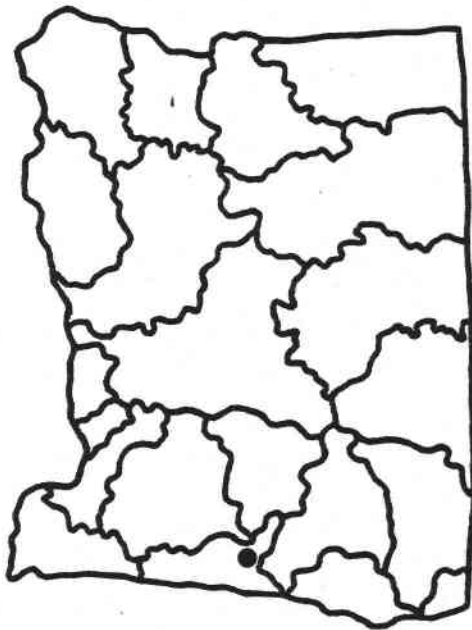
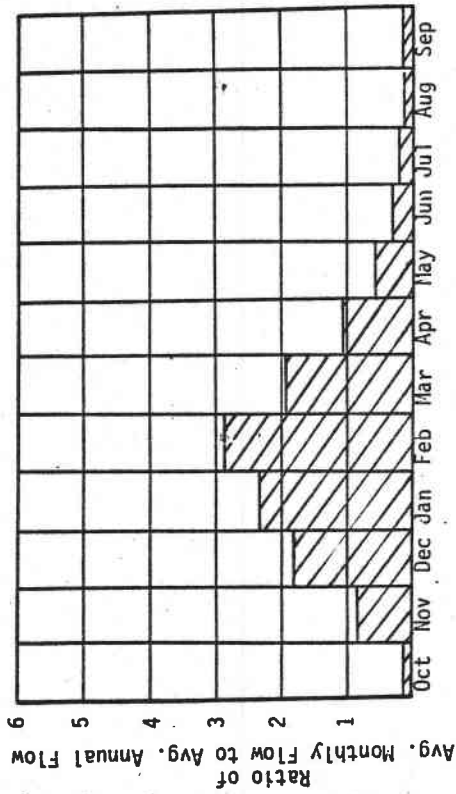
A. Upstream Elevation of Reach	192	Ft. MSL
B. Downstream Elevation of Reach	56	Ft. MSL
C. Total Available Head in Reach	136	Ft.
D. Average Slope in Reach	17	Ft./Mi.
E. Drainage Area above Reach Mouth	348	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

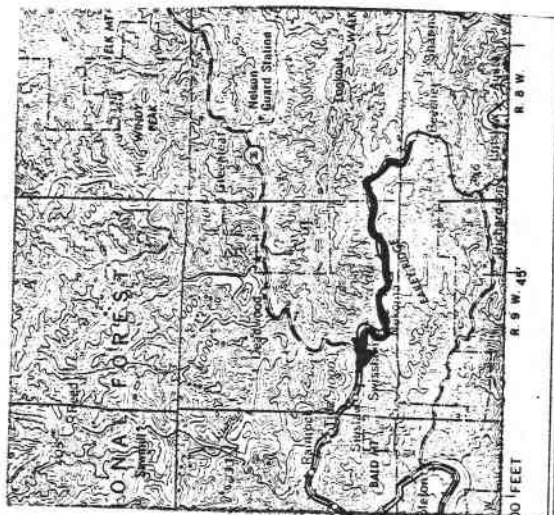
I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 48.6 I	I .56 I	I 4.91 I	I 1.000 I
I 80 I	I 89.6 I	I 1.03 I	I 8.53 I	I .943 I
I 50 I	I 416.1 I	I 4.80 I	I 29.96 I	I .713 I
I 30 I	I 994.7 I	I 11.46 I	I 53.32 I	I .531 I
I 10 I	I 2743.5 I	I 31.62 I	I 88.64 I	I .320 I

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 101.2 CFS



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655 -000-000-000-R0006

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 18, T18S, R8W
D. Latitude, Longitude	44°00'N, 123°42'W
E. Stream Name	Siuslaw River
F. Major Basin Name	Mid Coast
G. River Mile	37.0 to 44.7

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

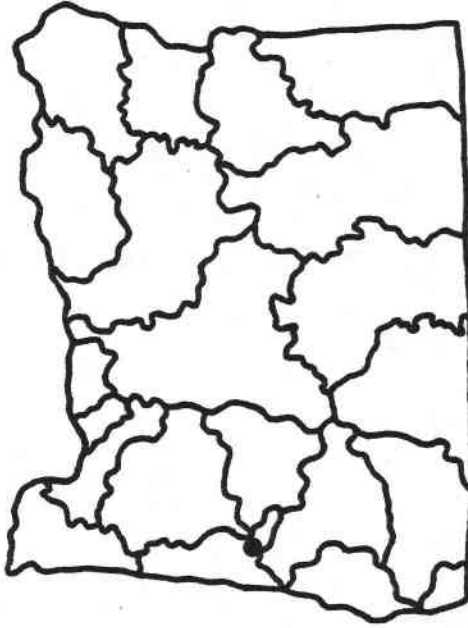
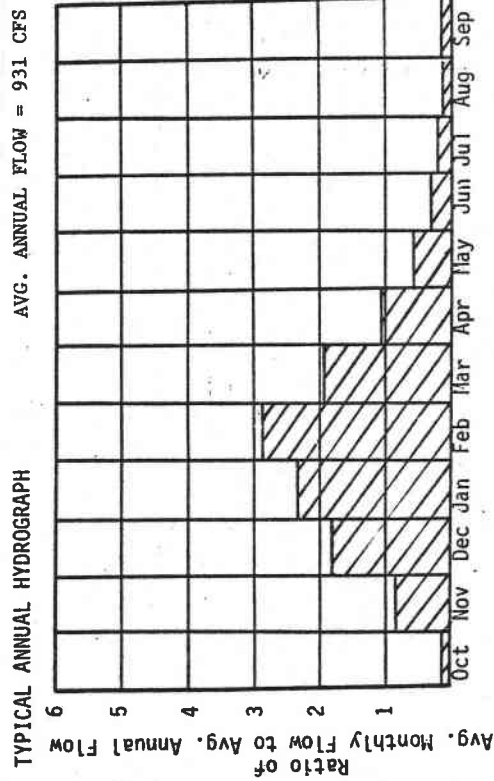
A. Upstream Elevation of Reach	285	Ft. MSL
B. Downstream Elevation of Reach	192	Ft. MSL
C. Total Available Head in Reach	93	Ft.
D. Average Slope in Reach	12	Ft./Mi.
E. Drainage Area above Reach Mouth	328	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

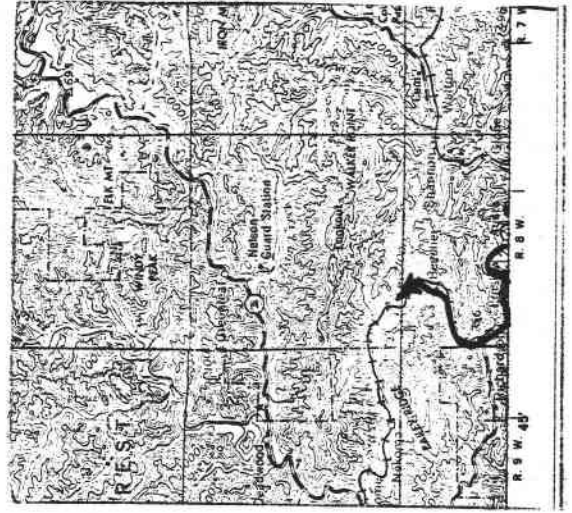
ENERGY CHARACTERISTICS

I	PERCENTAGE	I	DISCHARGE	I	THEORETICAL	I	ANNUAL ENERGY	I	PLANT
I	I	I	CFS	I	PLANT SIZE	I	AVAILABLE	I	FACTOR
I	I	I	I	I	MW	I	GMH	I	I
I	95	I	44.9	I	.35	I	3.10	I	1.000
I	80	I	83.0	I	.65	I	5.40	I	.943
I	50	I	384.5	I	3.03	I	18.93	I	.713
I	30	I	917.3	I	7.23	I	33.65	I	.531
I	10	I	2526.0	I	19.91	I	55.86	I	.320

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-048-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 24, T18S, R8W
D. Latitude, Longitude	44°00'N, 123° 36'W
E. Stream Name	Wildcat Creek
F. Major Basin Name	Mid Coast
G. River Mile	0.0 to 7.8

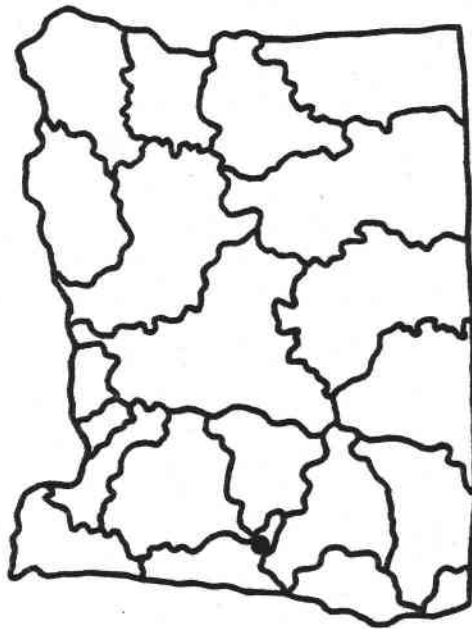
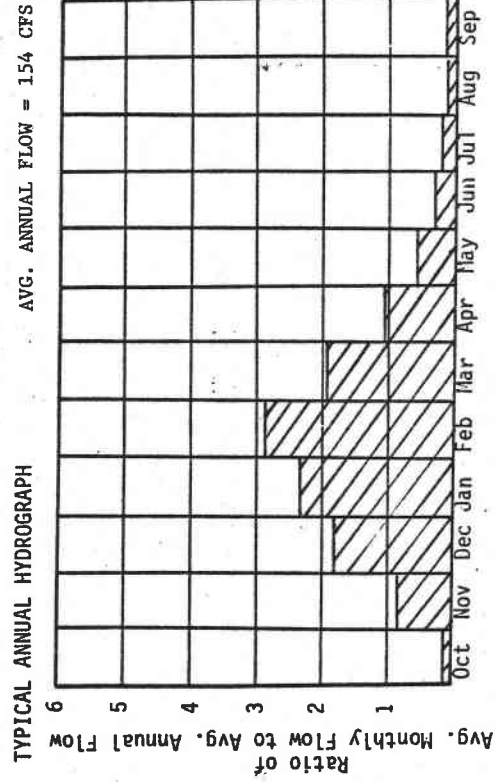
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	355	Ft. MSL
B. Downstream Elevation of Reach	285	Ft. MSL
C. Total Available Head in Reach	70	Ft.
D. Average Slope in Reach	9	Ft./Mi.
E. Drainage Area above Reach Mouth	53	Sq.Mi.
F. Inflow Classification	Natural	

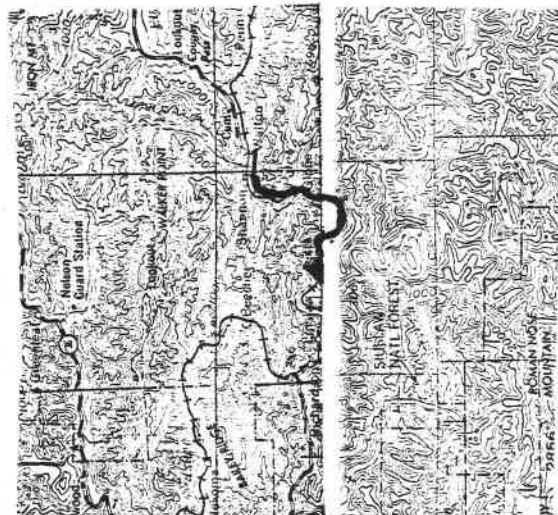
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I I
I 95 I	I 8.2 I	I .05 I	I .42 I	I 1.000 I
I 80 I	I 15.6 I	I .09 I	I .76 I	I .940 I
I 50 I	I 68.9 I	I .41 I	I 2.56 I	I .716 I
I 30 I	I 156.9 I	I .93 I	I 4.39 I	I .539 I
I 10 I	I 417.8 I	I 2.48 I	I 7.11 I	I .327 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-048-000-000-R0002

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 6, T18S, R7W
D. Latitude, Longitude	44°01' 123°32'W
E. Stream Name	Wildcat Creek
F. Major Basin Name	Mid Coast
G. River Mile	7.8 to H.W.

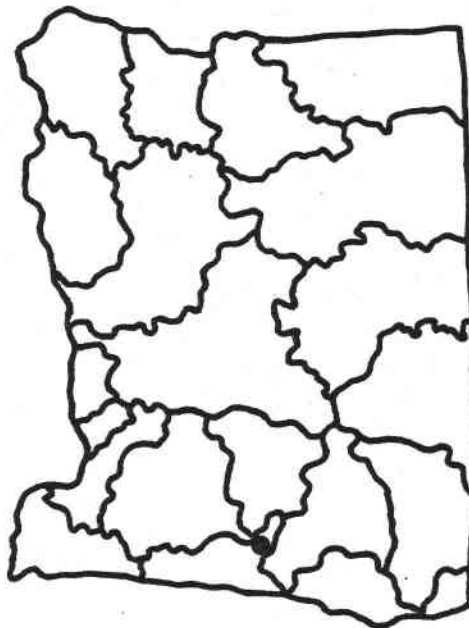
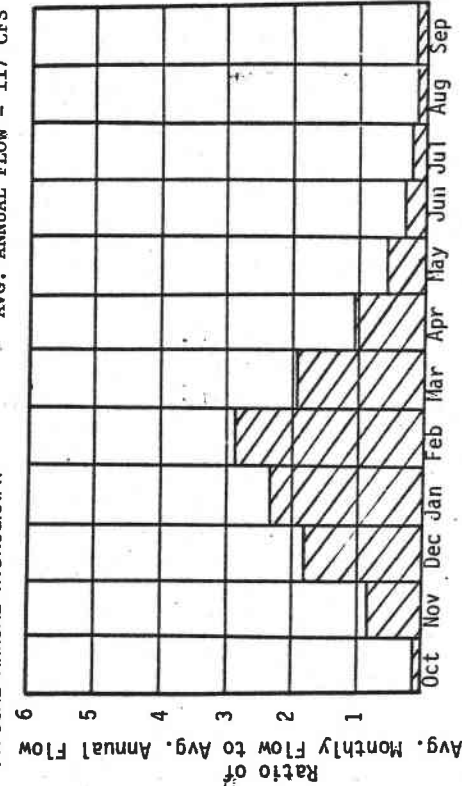
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

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	33.0	Sq. Mi.
F. Inflow Classification	Natural	

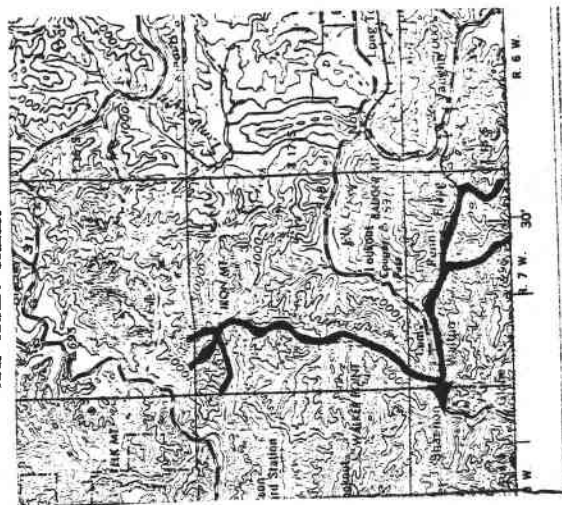
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 6.3 I	I .04 I	I .31 I	I 1.000 I
I 80 I	I 12.1 I	I .07 I	I .56 I	I .940 I
I 50 I	I 52.9 I	I .30 I	I 1.86 I	I .716 I
I 30 I	I 119.6 I	I .67 I	I 3.16 I	I .540 I
I 10 I	I 316.7 I	I 1.77 I	I 5.09 I	I .328 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-000-000-000-R0007

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 21, T18S, R8W
D. Latitude, Longitude	44°00'N, 123°40'W
E. Stream Name	Siuslaw River
F. Major Basin Name	Mid Coast
G. River Mile	44.7 to 46.4

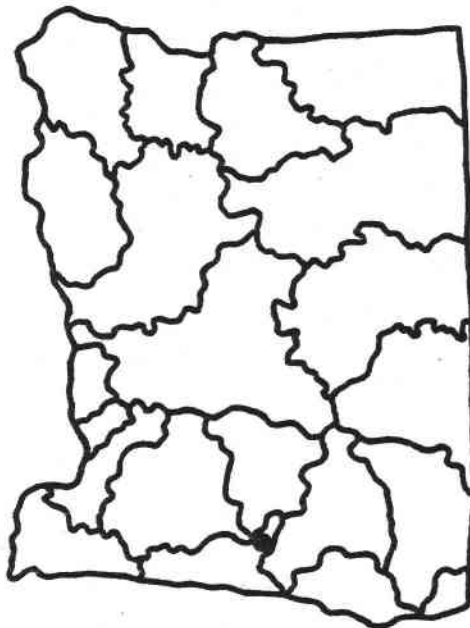
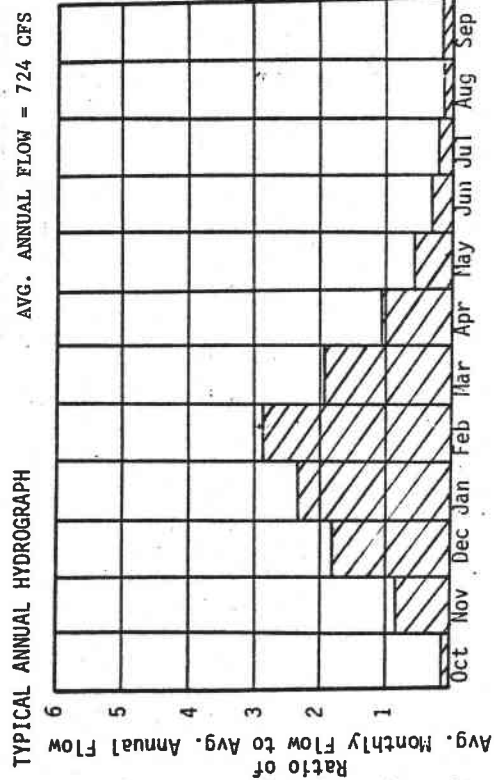
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	293	Ft. MSL
B. Downstream Elevation of Reach	285	Ft. MSL
C. Total Available Head in Reach	8	Ft.
D. Average Slope in Reach	4.7	Ft./Mi.
E. Drainage Area above Reach Mouth	256	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95	I 35.4 I	I .02 I	I .21 I	I 1.000 I
I 80	I 65.8 I	I .04 I	I .37 I	I .942 I
I 50	I 302.5 I	I .21 I	I 1.28 I	I .714 I
I 30	I 717.0 I	I .49 I	I 2.27 I	I .532 I
I 10	I 1965.1 I	I 1.33 I	I 3.75 I	I .321 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-000-000-000-R0008

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 27, T18S, R8W
D. Latitude, Longitude	43°57'N, 123°38'W
E. Stream Name	Siuslaw River
F. Major Basin Name	Mid Coast
G. River Mile	46.4 to 54.1

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

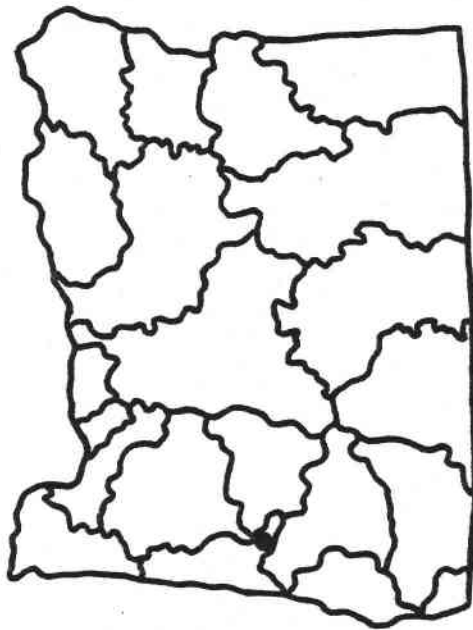
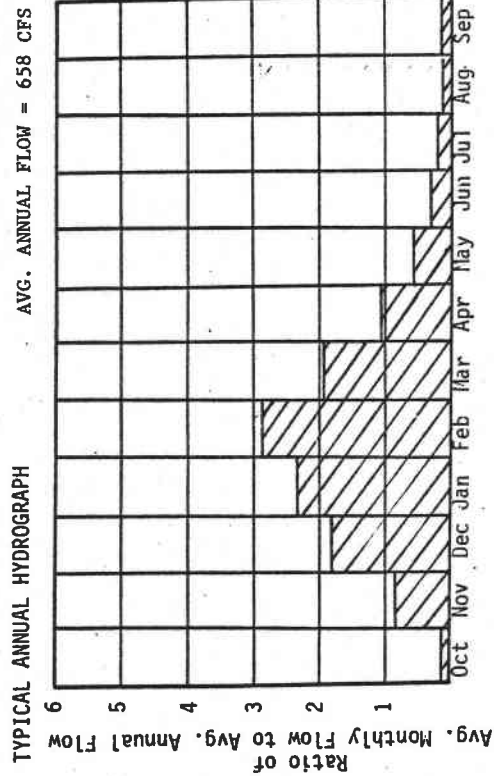
A. Upstream Elevation of Reach	337	Ft. MSL
B. Downstream Elevation of Reach	293	Ft. MSL
C. Total Available Head in Reach	44	Ft.
D. Average Slope in Reach	5.7	Ft./Mi.
E. Drainage Area above Reach Mouth	242	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I I
I 95 I	I 32.3 I	I .12 I	I 1.06 I	I 1.000 I
I 80 I	I 60.2 I	I .22 I	I 1.85 I	I .942 I
I 50 I	I 276.0 I	I 1.03 I	I 6.44 I	I .714 I
I 30 I	I 652.6 I	I 2.43 I	I 11.35 I	I .533 I
I 10 I	I 1785.4 I	I 6.66 I	I 18.76 I	I .322 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-054-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 36, T18S, R8W
D. Latitude, Longitude	43°58'N, 123°36'W
E. Stream Name	Wolf Creek
F. Major Basin Name	Mid Coast
G. River Mile	0.0 to 3.0

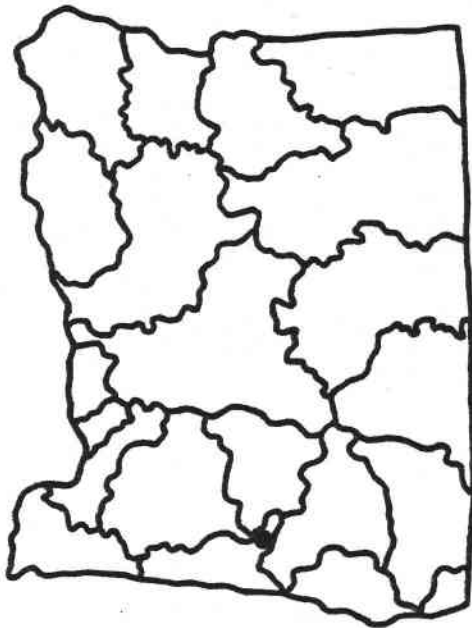
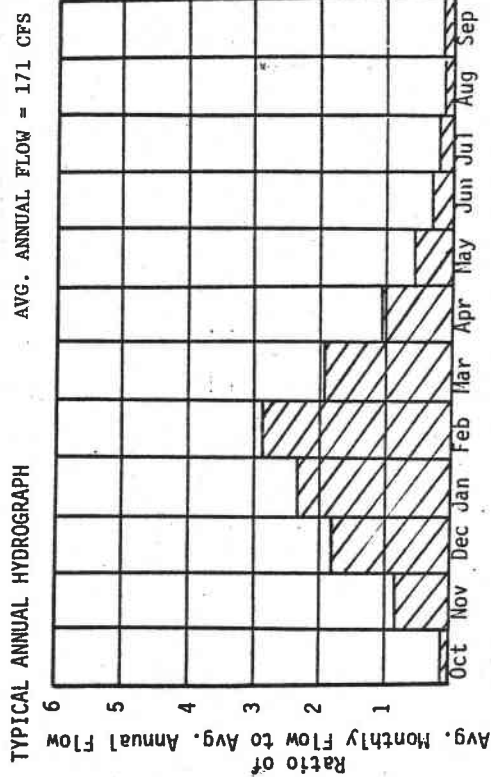
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	428	Ft. MSL
B. Downstream Elevation of Reach	337	Ft. MSL
C. Total Available Head in Reach	91	Ft.
D. Average Slope in Reach	30.3	Ft./Mi.
E. Drainage Area above Reach Mouth	58	Sq. Mi.
F. Inflow Classification	Natural	

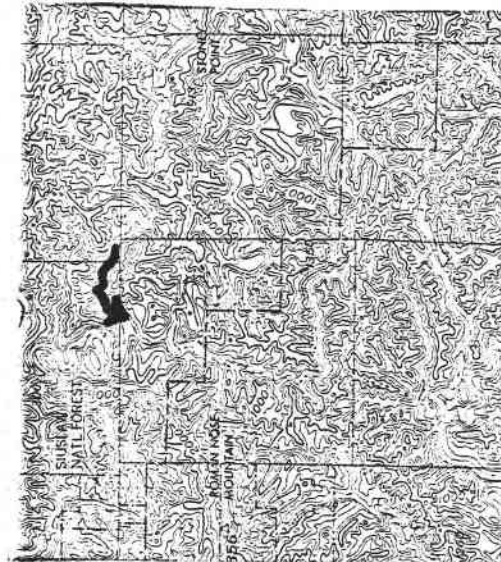
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

ENERGY CHARACTERISTICS				THEORETICAL ANNUAL ENERGY I PLANT I			
I	PERCENTAGE I	DISCHARGE I CFS	THEORETICAL I PLANT SIZE I MW	I	AVAILABLE I GWH	I	FACTOR I
I	95	I 9.0	I .07	I	.61	I	1.000
I	80	I 17.2	I .13	I	1.09	I	.940
I	50	I 76.1	I .59	I	3.68	I	.716
I	30	I 173.8	I 1.34	I	6.32	I	.538
I	10	I 463.6	I 3.58	I	10.24	I	.327

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-054 -000-000-R0002

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 33, T18S, R7W
D. Latitude, Longitude	43°57'N, 123°32'W
E. Stream Name	Wolf Creek
F. Major Basin Name	Mid Coast
G. River Mile	3.0 to 15.4

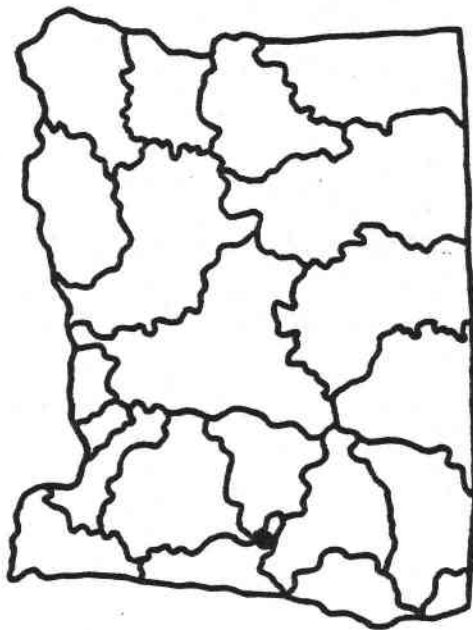
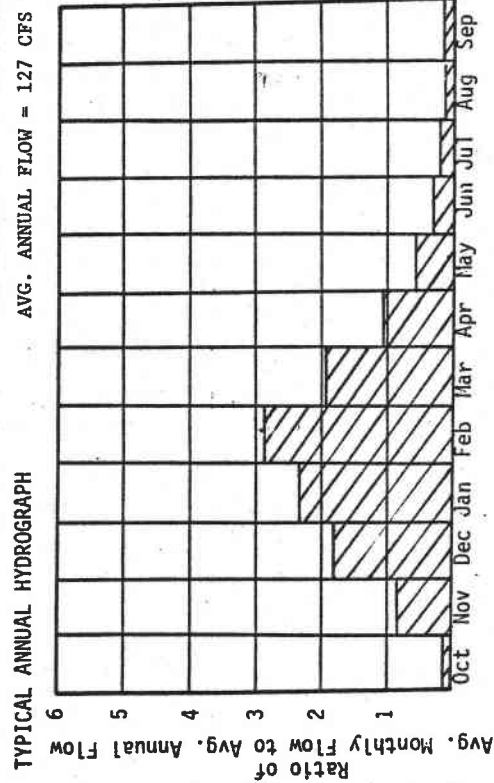
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	535	Ft. MSL
B. Downstream Elevation of Reach	428	Ft. MSL
C. Total Available Head in Reach	107	Ft.
D. Average Slope in Reach	8.6	Ft./Mi.
E. Drainage Area above Reach Mouth	53	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95 I	I 6.8 I	I .06 I	I .54 I	I 1.000 I
I 80 I	I 13.1 I	I .12 I	I .98 I	I .940 I
I 50 I	I 57.3 I	I .52 I	I 3.26 I	I .716 I
I 30 I	I 129.8 I	I 1.18 I	I 5.56 I	I .540 I
I 10 I	I 344.3 I	I 3.12 I	I 8.97 I	I .328 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-054-000-000-R0003

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 2, T19S, R6W
D. Latitude, Longitude	43°57'N, 123°29'W
E. Stream Name	Wolf Creek
F. Major Basin Name	Mid Coast
G. River Mile	15.4 to H.W.

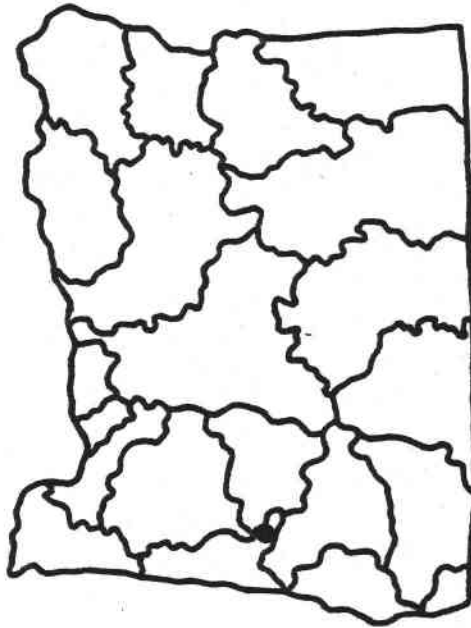
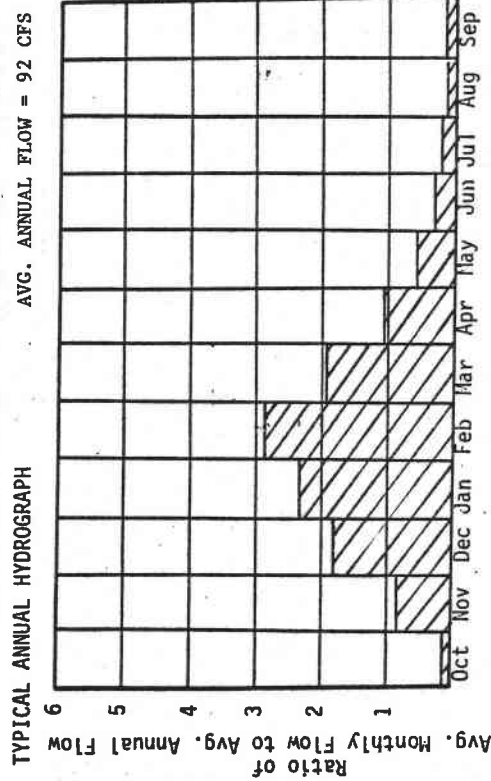
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

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	31	Sq. Mi.
F. Inflow Classification	Natural	

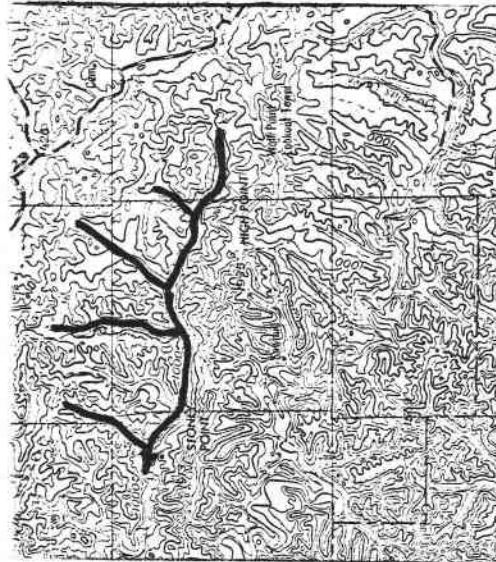
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I PERCENTAGE I	I DISCHARGE I CFS I	I THEORETICAL I PLANT SIZE I MW I	I ANNUAL ENERGY I AVAILABLE I GWH I	I PLANT I FACTOR I
I 95 I	I 5.0 I	I .03 I	I .25 I	I 1.000 I
I 80 I	I 9.7 I	I .05 I	I .45 I	I .940 I
I 50 I	I 42.0 I	I .24 I	I 1.48 I	I .717 I
I 30 I	I 94.4 I	I .53 I	I 2.50 I	I .541 I
I 10 I	I 249.0 I	I 1.39 I	I 4.02 I	I .329 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-000-000-000-R0009

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 3, T19S, R8W
D. Latitude, Longitude	43° 56' N, 123° 38' W
E. Stream Name	Siuslaw River
F. Major Basin Name	Mid Coast
G. River Mile	54.1 to 56.5

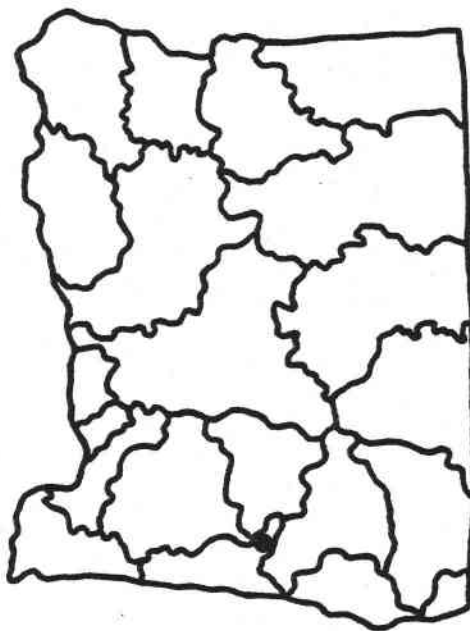
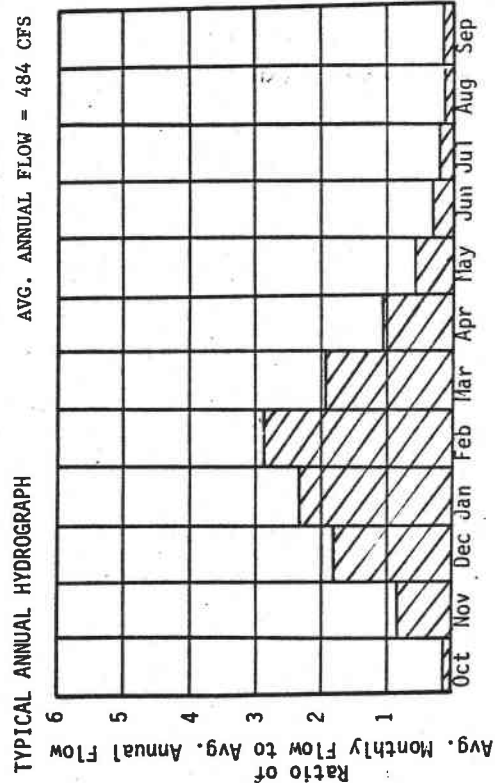
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	360	Ft. MSL
B. Downstream Elevation of Reach	337	Ft. MSL
C. Total Available Head in Reach	23	Ft.
D. Average Slope in Reach	9.6	Ft./Mi.
E. Drainage Area above Reach Mouth	178	Sq. Mi.
F. Inflow Classification	Natural	

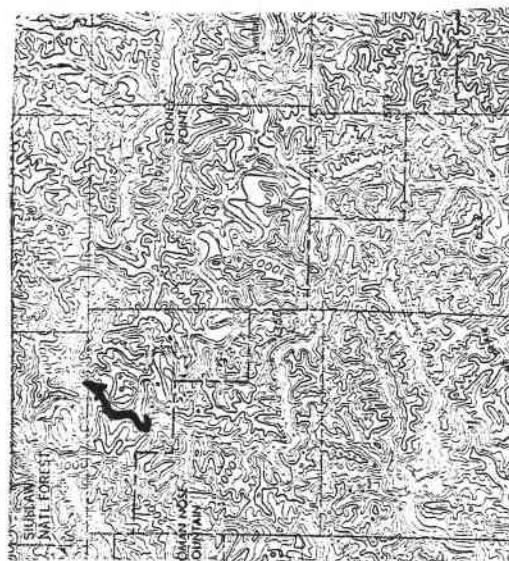
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

ENERGY CHARACTERISTICS				THEORETICAL POTENTIAL			
I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I	I FACTOR I	I	I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I GW/H I	I	I	I
I 95 I	I 24.2 I	I .05 I	I .41 I	I 1.000 I			
I 80 I	I 45.2 I	I .09 I	I .73 I	I .942 I			
I 50 I	I 205.7 I	I .40 I	I 2.51 I	I .714 I			
I 30 I	I 482.3 I	I .94 I	I 4.40 I	I .534 I			
I 10 I	I 1311.9 I	I 2.56 I	I 7.23 I	I .323 I			

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-057-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 9, T19S, R8W
D. Latitude, Longitude	43° 54' N, 123° 40' W
E. Stream Name	Esmond Creek
F. Major Basin Name	Mid Coast
G. River Mile	0.0 to H.W.

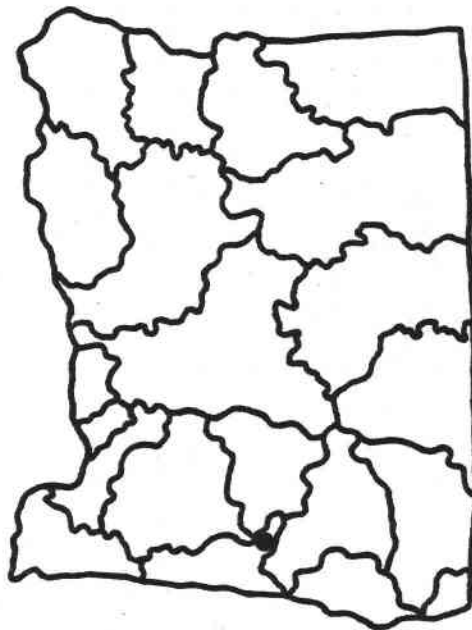
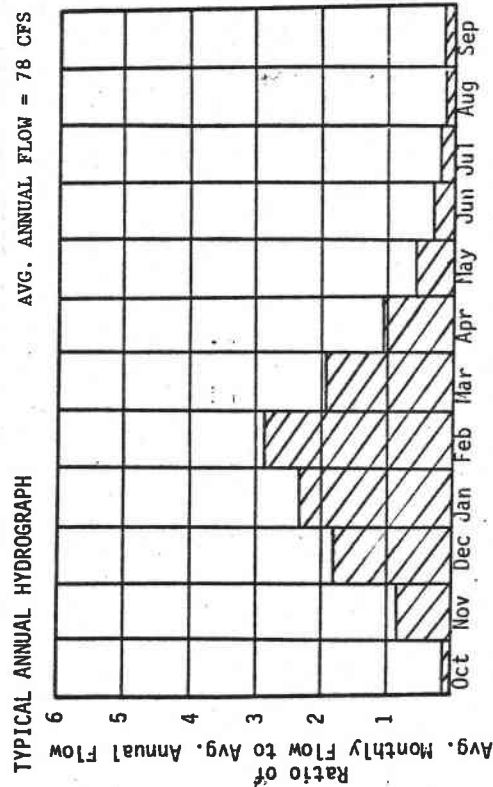
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

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	18	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I I
I 95 I	I 4.3 I	I .02 I	I .21 I	I 1.000 I
I 80 I	I 8.3 I	I .05 I	I .38 I	I .939 I
I 50 I	I 36.1 I	I .20 I	I 1.27 I	I .717 I
I 30 I	I 80.7 I	I .45 I	I 2.14 I	I .542 I
I 10 I	I 212.1 I	I 1.19 I	I 3.43 I	I .330 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-000-000-R0010

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 11, T19S, R8W
D. Latitude, Longitude	43°54'N, 123°37'W
E. Stream Name	Siuslaw River
F. Major Basin Name	Mid Coast
G. River Mile	56.5 to 65.0

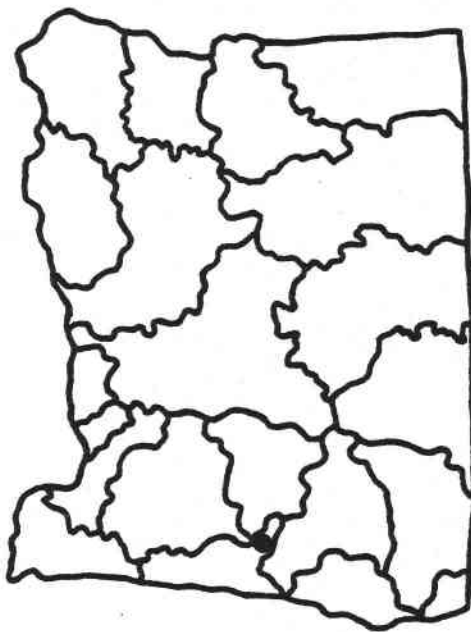
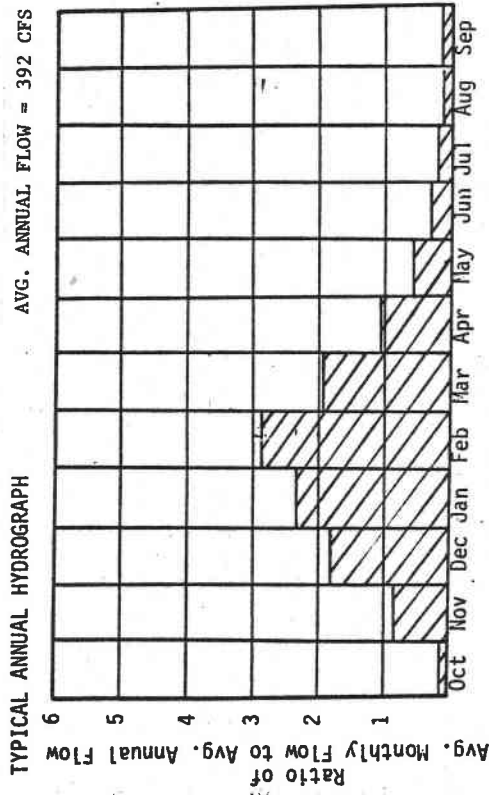
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	380	Ft. MSL
B. Downstream Elevation of Reach	360	Ft. MSL
C. Total Available Head in Reach	20	Ft.
D. Average Slope in Reach	2.4	Ft./Mi.
E. Drainage Area above Reach Mouth	157	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW	I GWH	I
I 95	I 19.8 I	I .03 I	I .29 I	I 1.000 I
I 80	I 37.2 I	I .06 I	I .52 I	I .942 I
I 50	I 168.3 I	I .29 I	I 1.79 I	I .714 I
I 30	I 392.5 I	I .67 I	I 3.12 I	I .535 I
I 10	I 1063.4 I	I 1.80 I	I 5.11 I	I .324 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-000-000-R0011

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 20, T19S, R7W
D. Latitude, Longitude	43°54'N, 123°33'W
E. Stream Name	Siuslaw River
F. Major Basin Name	Mid Coast
G. River Mile	65.0 to 75.0

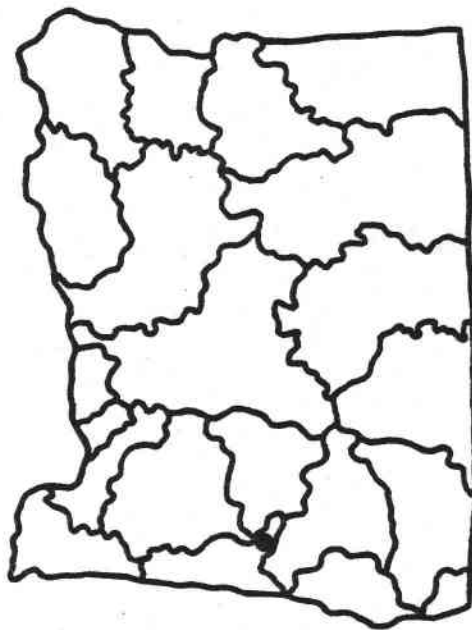
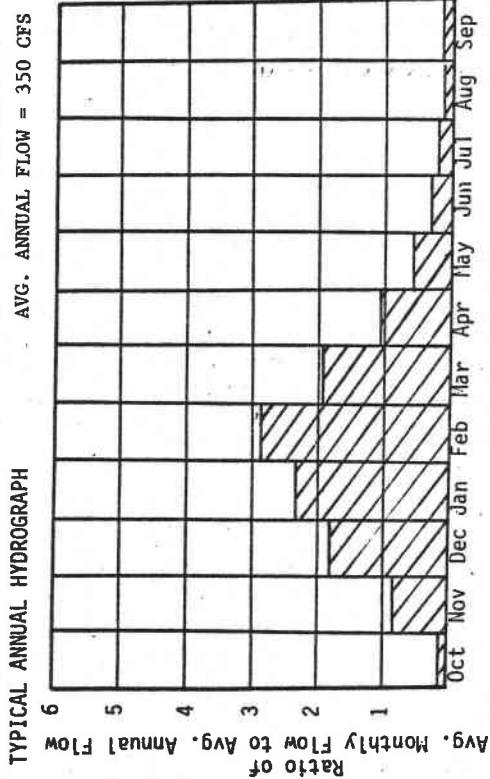
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	435	Ft. MSL
B. Downstream Elevation of Reach	380	Ft. MSL
C. Total Available Head in Reach	55	Ft.
D. Average Slope in Reach	5.5	Ft./Mi.
E. Drainage Area above Reach Mouth	145	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95	I 17.8 I	I .08 I	I .73 I	I 1.000 I
I 80	I 33.5 I	I .16 I	I 1.29 I	I .941 I
I 50	I 151.1 I	I .70 I	I 4.41 I	I .715 I
I 30	I 351.3 I	I 1.64 I	I 7.68 I	I .535 I
I 10	I 949.8 I	I 4.43 I	I 12.57 I	I .324 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-000-000-R0012

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 35, T19S, R7W
D. Latitude, Longitude	43°53'N, 123° 30'W
E. Stream Name	Stuglaw River
F. Major Basin Name	Mid Coast
G. River Mile	75.0 to 85.0

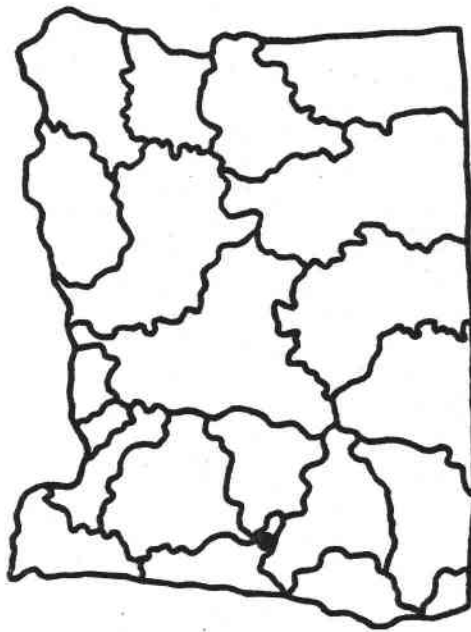
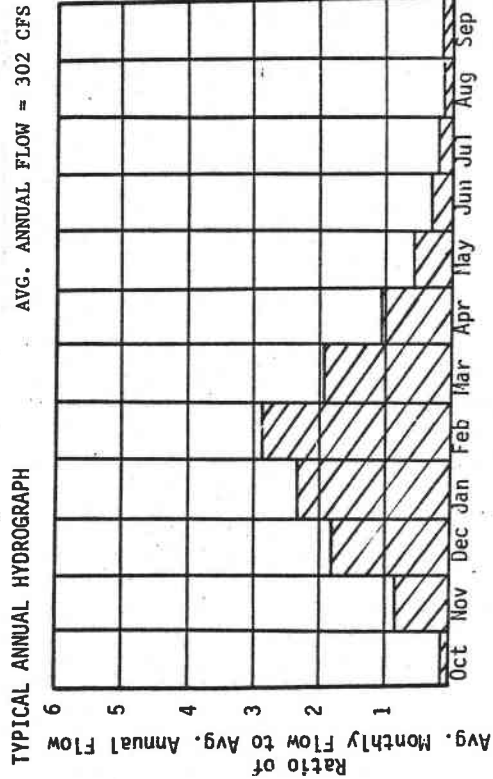
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	494	Ft. MSL
B. Downstream Elevation of Reach	435	Ft. MSL
C. Total Available Head in Reach	60	Ft.
D. Average Slope in Reach	6	Ft./Mi.
E. Drainage Area above Reach Mouth	130	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW	I GWH	I
I 95	I 15.4	I .08	I .69	I 1.000
I 80	I 29.1	I .15	I 1.22	I .941
I 50	I 130.9	I .67	I 4.17	I .715
I 30	I 303.1	I 1.54	I 7.24	I .536
I 10	I 817.2	I 4.16	I 11.82	I .325

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-000-000-000-R0013

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 5, T20S, R6W
D. Latitude, Longitude	43°52'N, 123°25'W
E. Stream Name	Siuslaw River
F. Major Basin Name	Mid Coast
G. River Mile	85.0 to 95.0

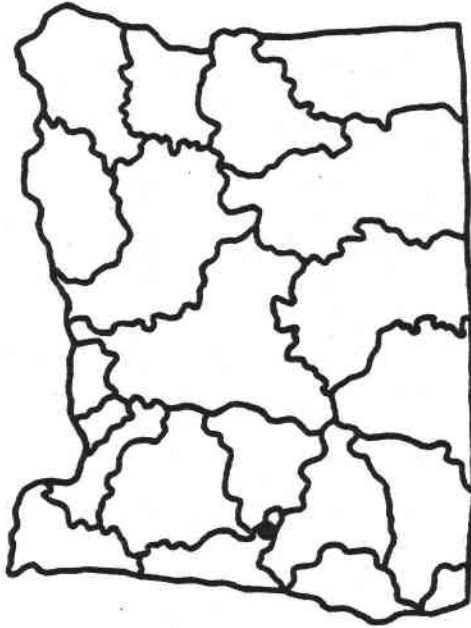
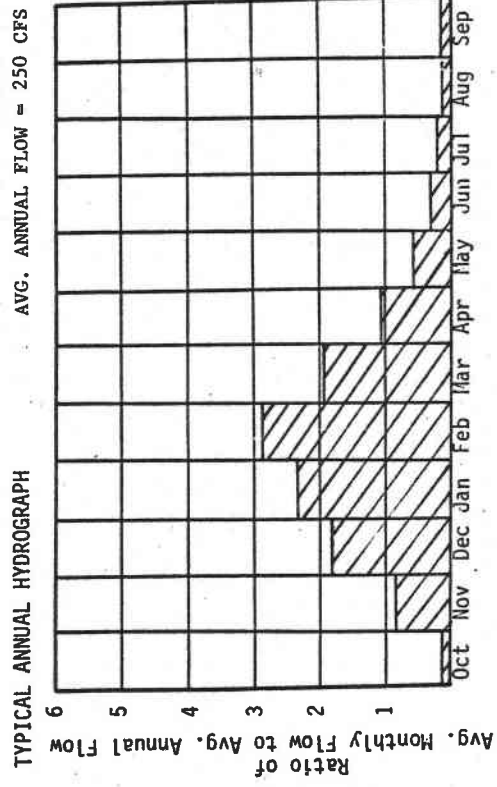
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	530	Ft. MSL
B. Downstream Elevation of Reach	494	Ft. MSL
C. Total Available Head in Reach	36	Ft.
D. Average Slope in Reach	3.6	Ft./Mi.
E. Drainage Area above Reach Mouth	110	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I
I 95	I 12.9 I	I .04 I	I .35 I	I 1.000 I
I 80	I 24.5 I	I .07 I	I .62 I	I .941 I
I 50	I 109.5 I	I .33 I	I 2.09 I	I .715 I
I 30	I 252.4 I	I .77 I	I 3.62 I	I .537 I
I 10	I 678.0 I	I 2.07 I	I 5.89 I	I .325 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-000-000-R0014

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 12, T20S, R6W
D. Latitude, Longitude	43°51'N, 123° 22'W
E. Stream Name	Siuslaw River
F. Major Basin Name	Mid Coast
G. River Mile	95.0 to 105.0

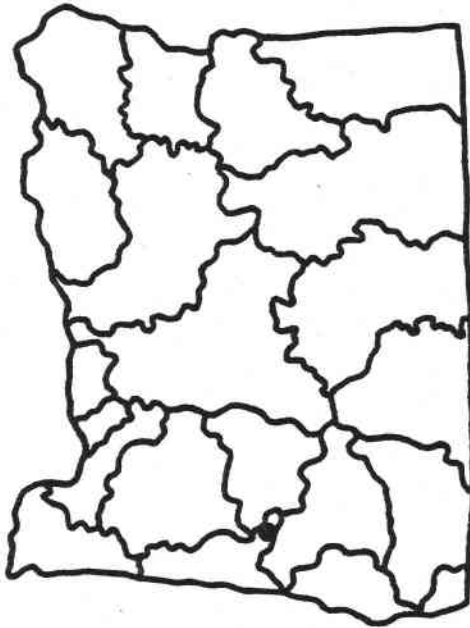
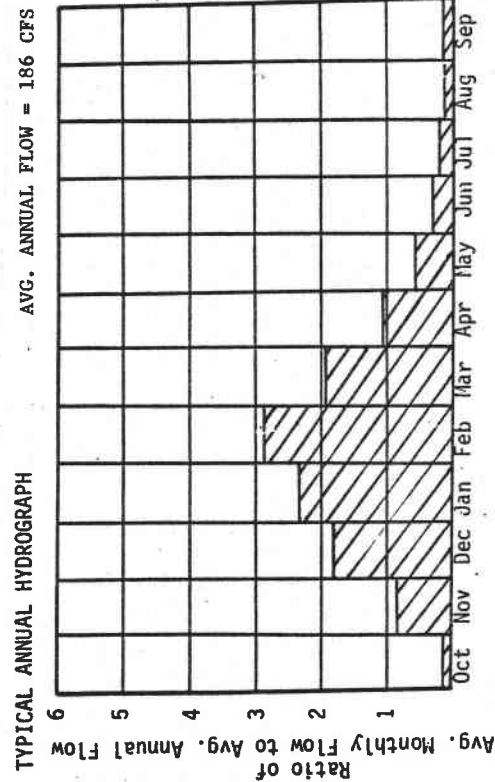
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	580	Ft. MSL
B. Downstream Elevation of Reach	530	Ft. MSL
C. Total Available Head in Reach	50	Ft.
D. Average Slope in Reach	5	Ft./Mi.
E. Drainage Area above Reach Mouth	92	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GMH I	I
I 95 I	I 9.8 I	I .04 I	I .36 I	I 1.000 I
I 80 I	I 18.7 I	I .08 I	I .65 I	I .941 I
I 50 I	I 82.7 I	I .35 I	I 2.20 I	I .716 I
I 30 I	I 189.1 I	I .80 I	I 3.78 I	I .538 I
I 10 I	I 505.3 I	I 2.14 I	I 6.12 I	I .326 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-000-000-R0015

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 21, T20S, R5W
D. Latitude, Longitude	43°50'N, 123°18'W
E. Stream Name	Siuslaw River
F. Major Basin Name	Mid Coast
G. River Mile	105.0 to 110.0

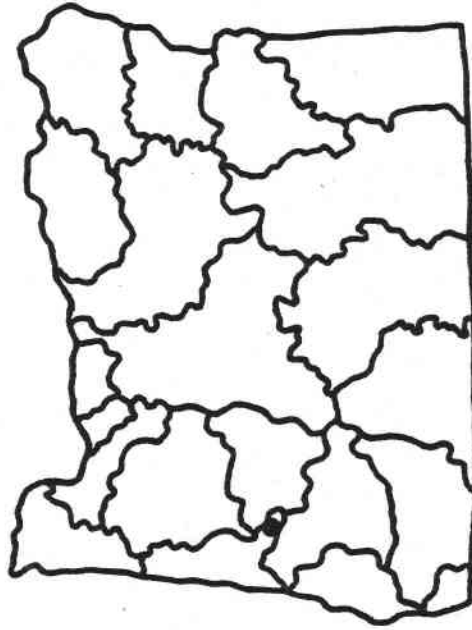
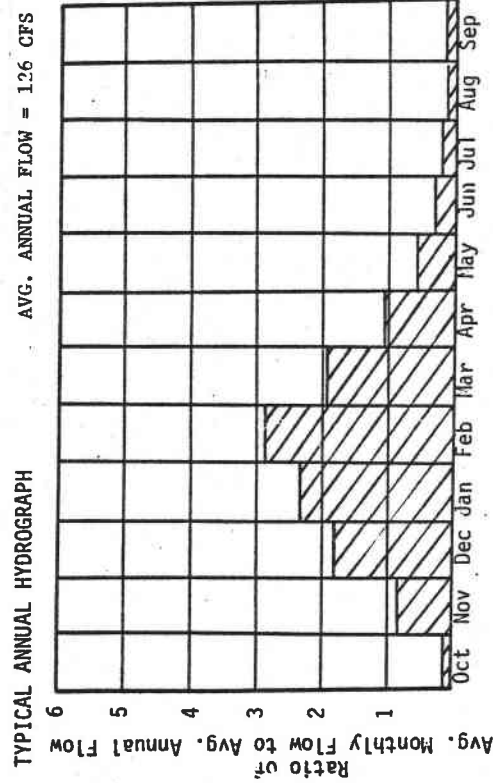
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	608	Ft. MSL
B. Downstream Elevation of Reach	580	Ft. MSL
C. Total Available Head in Reach	28	Ft.
D. Average Slope in Reach	5.6	Ft./Mi.
E. Drainage Area above Reach Mouth	60	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I PERCENTAGE I	I DISCHARGE I CFS I	I THEORETICAL I PLANT SIZE I MW I	I ANNUAL ENERGY I AVAILABLE I GWH I	I PLANT I FACTOR I
I 95 I	I 6.8 I	I .02 I	I .14 I	I 1.000 I
I 80 I	I 13.0 I	I .03 I	I .25 I	I .940 I
I 50 I	I 56.9 I	I .13 I	I .85 I	I .716 I
I 30 I	I 128.8 I	I .31 I	I 1.44 I	I .540 I
I 10 I	I 341.5 I	I .81 I	I 2.33 I	I .328 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-655-062-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 14, T20S, R4W
D. Latitude, Longitude	43°49'N, 123°12'W
E. Stream Name	N. Fork & S. Fork Siuslaw River
F. Major Basin Name	Mid Coast
G. River Mile	0.0 to H.W.

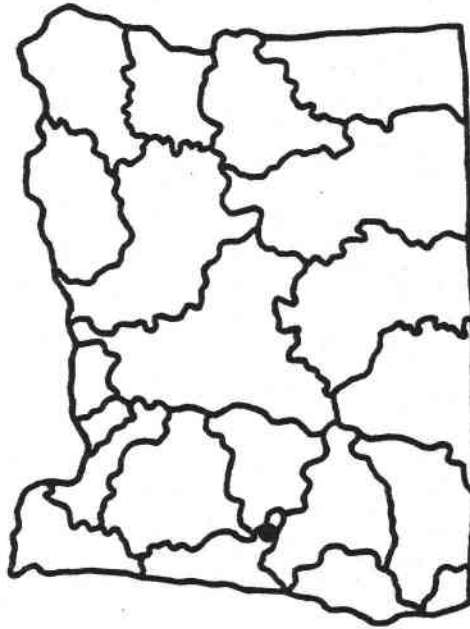
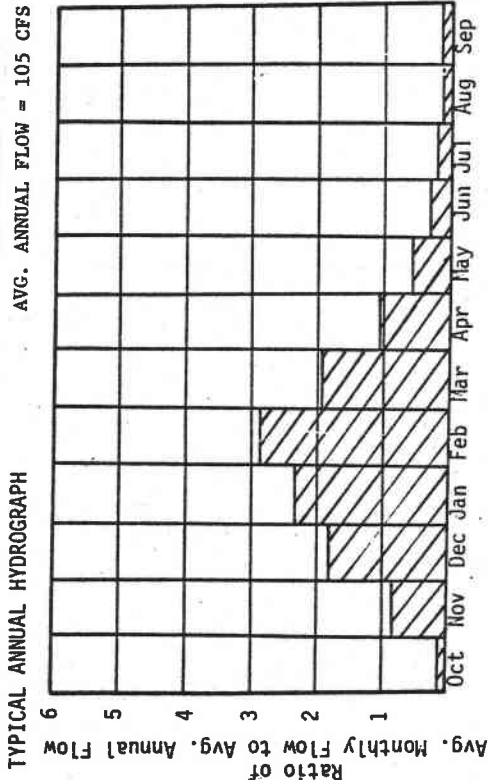
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

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	43	Sq. Mi.
F. Inflow Classification	Natural	

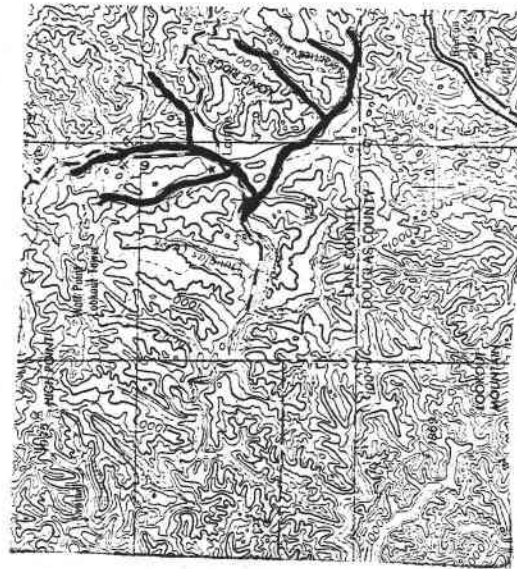
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I I
I 95 I	I 5.7 I	I .03 I	I .28 I	I 1.000 I
I 80 I	I 11.0 I	I .06 I	I .51 I	I .940 I
I 50 I	I 47.9 I	I .27 I	I 1.68 I	I .716 I
I 30 I	I 108.1 I	I .60 I	I 2.86 I	I .540 I
I 10 I	I 285.6 I	I 1.60 I	I 4.60 I	I .329 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-660-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 35, T19S, R12W
D. Latitude, Longitude	43°53'N, 124°05'W
E. Stream Name	Siletcoos River
F. Major Basin Name	Mid Coast
G. River Mile	0.0 to 7.0

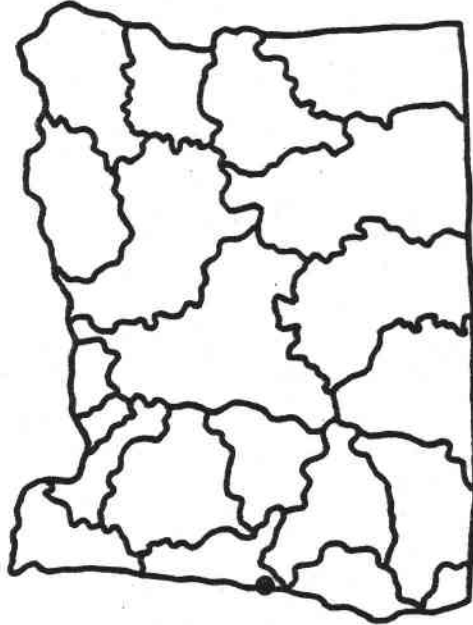
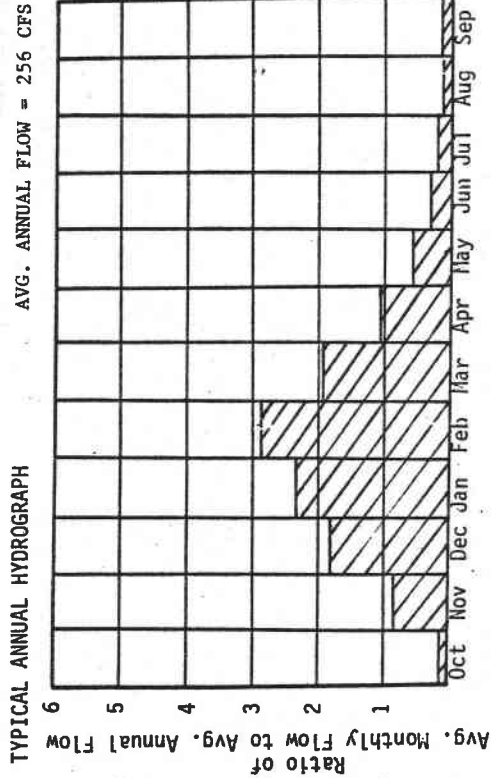
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	10	Ft. MSL
B. Downstream Elevation of Reach	0	Ft. MSL
C. Total Available Head in Reach	10	Ft.
D. Average Slope in Reach	1.4	Ft./Mi.
E. Drainage Area above Reach Mouth	68	Sq. Mi.
F. Inflow Classification	Natural	

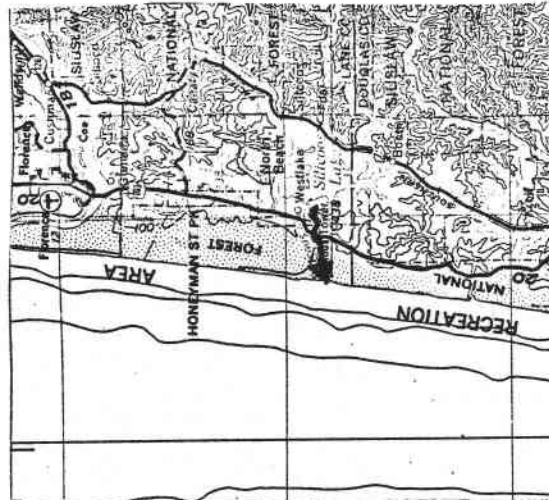
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I PERCENTAGE I	I DISCHARGE I CFS I	I THEORETICAL I PLANT SIZE I MW I	I ANNUAL ENERGY I AVAILABLE I GWH I	I PLANT I FACTOR I
I 95 I	I 13.2 I	I .01 I	I .10 I	I 1.000 I
I 80 I	I 25.0 I	I .02 I	I .17 I	I .941 I
I 50 I	I 112.0 I	I .09 I	I .59 I	I .715 I
I 30 I	I 258.3 I	I .22 I	I 1.03 I	I .537 I
I 10 I	I 694.2 I	I .59 I	I 1.68 I	I .325 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-660-022-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 30, T19S, R11W
D. Latitude, Longitude	43° 54' N, 124° 03' W
E. Stream Name	Maple Creek
F. Major Basin Name	Mid Coast
G. River Mile	0.0 to 2.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

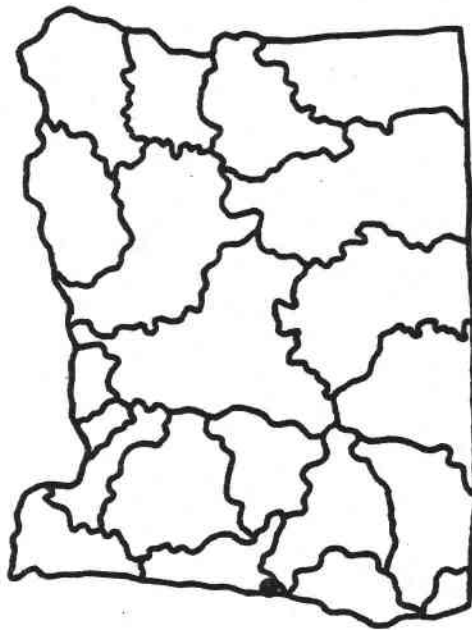
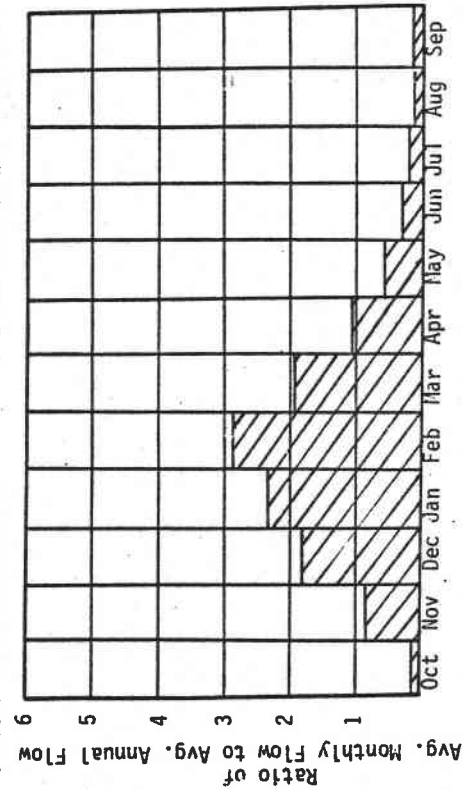
A. Upstream Elevation of Reach	15	Ft. MSL
B. Downstream Elevation of Reach	10	Ft. MSL
C. Total Available Head in Reach	5	Ft.
D. Average Slope in Reach	2.5	Ft./Mi.
E. Drainage Area above Reach Mouth	24	Sq. Mi.
F. Inflow Classification	Natural	

III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

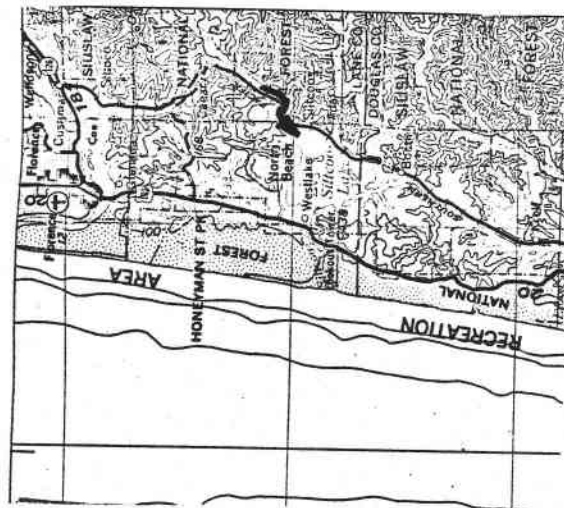
I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW	I	I
I 95	I 5.6	I .00	I .02	I 1.000
I 80	I 10.8	I .00	I .04	I .940
I 50	I 47.3	I .02	I .13	I .716
I 30	I 106.6	I .05	I .21	I .540
I 10	I 281.6	I .12	I .34	I .329

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 104 CFS



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



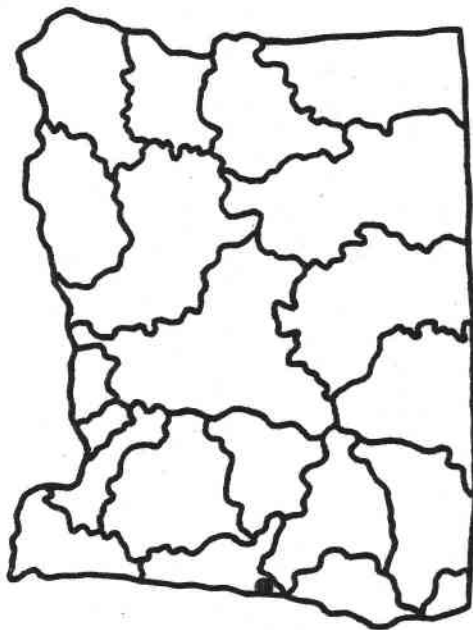
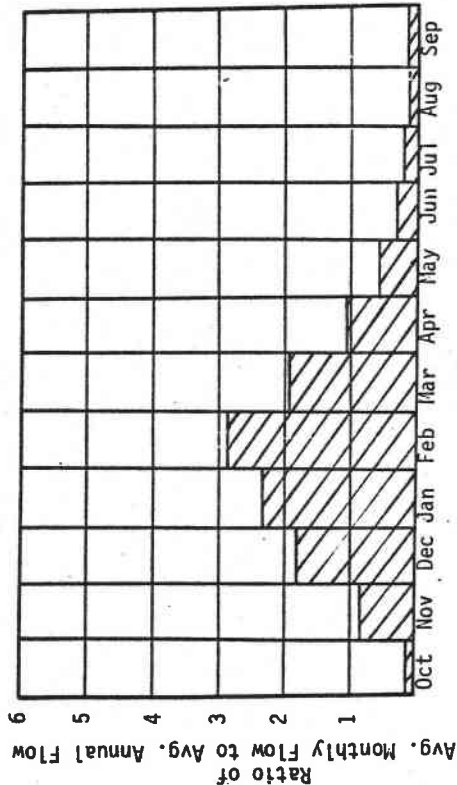
REACH # 02-660-022-000-000-R0002

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 20, T19S, R11W
D. Latitude, Longitude	43° 55' N, 123° 58' W
E. Stream Name	Maple Creek
F. Major Basin Name	Mid Coast
G. River Mile	2.0 to H.W.

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	

I	EXCEEDANCE	I	DISCHARGE	I	THEORETICAL	I	ANNUAL ENERGY	I	PLANT	I
I	PERCENTAGE	I	CFS	I	PLANT SIZE	I	AVAILABLE	I	FACTOR	I
I	I	I	I	I	MW	I	GWH	I	I	I
I	95	I	5.2	I	.03	I	.25	I	1.000	I
I	80	I	10.0	I	.06	I	.46	I	.940	I
I	50	I	43.3	I	.24	I	1.52	I	.717	I
I	30	I	97.3	I	.54	I	2.58	I	.541	I
I	10	I	256.7	I	1.44	I	4.14	I	.329	I

AVG. ANNUAL FLOW = 95 CFS



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-660-025-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 6, T20S, R11W
D. Latitude, Longitude	43°52'N, 124°03'W
E. Stream Name	Fiddle Creek
F. Major Basin Name	Mid Coast
G. River Mile	0.0 to 6.0

II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

A. Upstream Elevation of Reach	31	Ft. MSL
B. Downstream Elevation of Reach	10	Ft. MSL
C. Total Available Head in Reach	21	Ft.
D. Average Slope in Reach	3.5	Ft./Mi.
E. Drainage Area above Reach Mouth	22	Sq. Mi.
F. Inflow Classification	Natural	

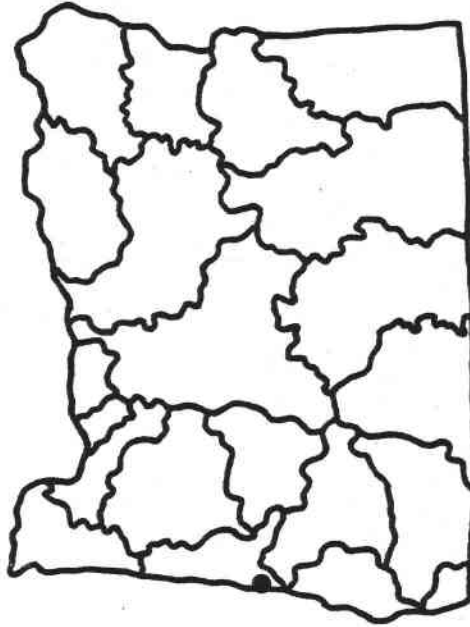
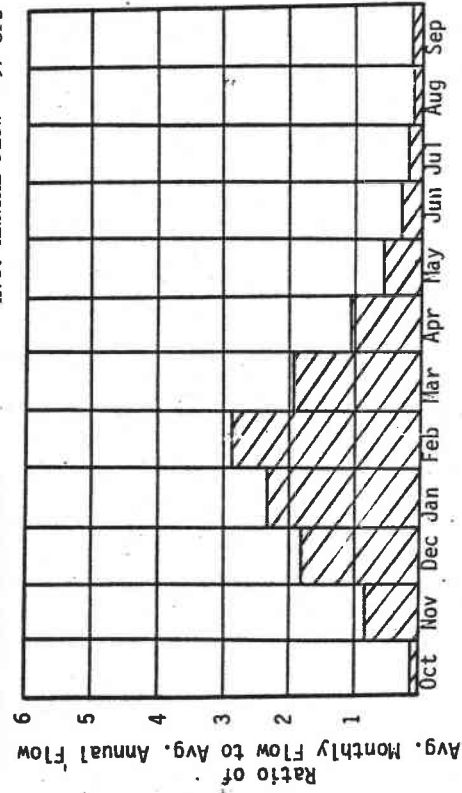
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

ENERGY CHARACTERISTICS

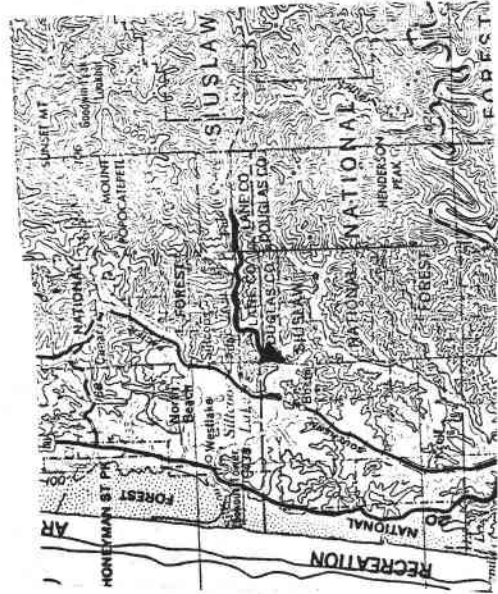
I	PERCENTAGE	I	DISCHARGE	I	THEORETICAL	I	ANNUAL ENERGY	I	PLANT
I	I	I	CFS	I	PLANT SIZE	I	AVAILABLE	I	FACTOR
I	I	I	I	I	MW	I	GMH	I	I
I	95	I	5.3	I	.01	I	.08	I	1.000
I	80	I	10.2	I	.02	I	.15	I	.940
I	50	I	44.3	I	.08	I	.49	I	.717
I	30	I	99.5	I	.18	I	.84	I	.541
I	10	I	262.7	I	.47	I	1.35	I	.329

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 97 CFS



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-660-025-000-000-R0002

I. LOCATION

A. State	Oregon
B. County	Lane
C. Township, Range	Sec. 32, T19S, R11W
D. Latitude, Longitude	43°53'N, 123°59'W
E. Stream Name	Fiddle Creek
F. Major Basin Name	Mid Coast
G. River Mile	6.0 to H.W.

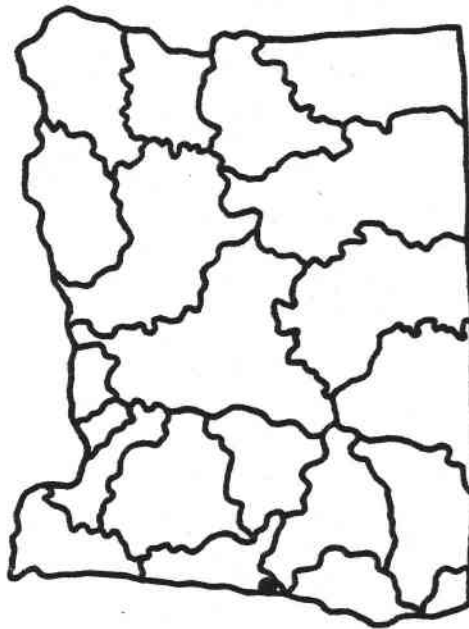
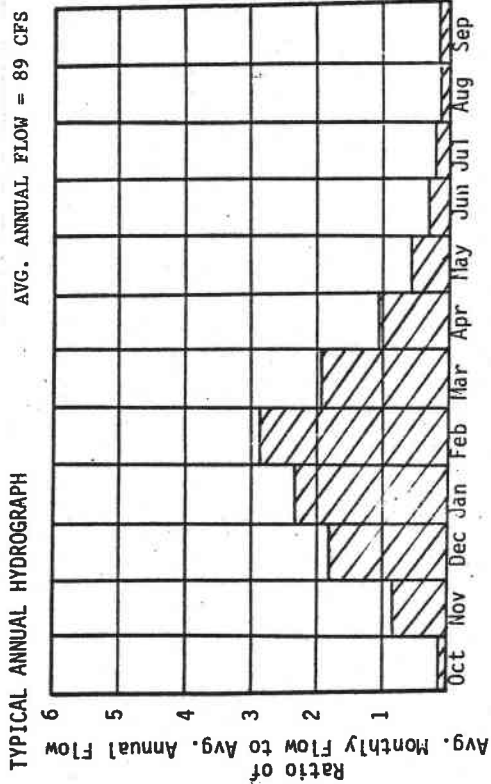
II. HYDROLOGIC AND HYDRAULIC CHARACTERISTICS

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	18	Sq. Mi.
F. Inflow Classification	Natural	

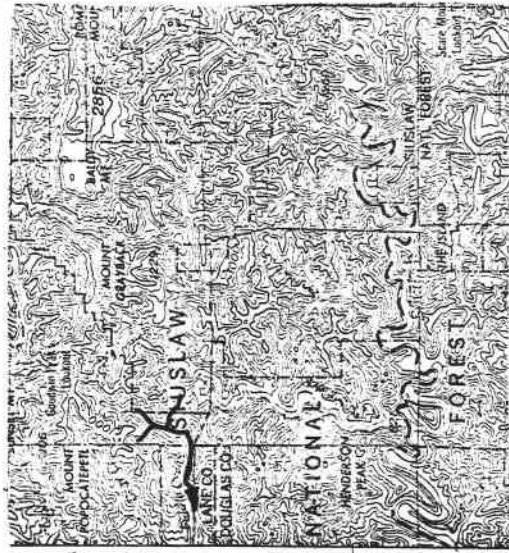
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL ENERGY CHARACTERISTICS

I EXCEEDANCE I	I DISCHARGE I	I THEORETICAL I	I ANNUAL ENERGY I	I PLANT I
I PERCENTAGE I	I CFS I	I PLANT SIZE I	I AVAILABLE I	I FACTOR I
I	I	I MW I	I GWH I	I I
I 95 I	I 4.8 I	I .03 I	I .24 I	I 1.000 I
I 80 I	I 9.4 I	I .05 I	I .43 I	I .940 I
I 50 I	I 40.7 I	I .23 I	I 1.43 I	I .717 I
I 30 I	I 91.3 I	I .51 I	I 2.42 I	I .541 I
I 10 I	I 240.7 I	I 1.35 I	I 3.89 I	I .329 I

IV. TYPICAL ANNUAL HYDROGRAPH



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



REACH HYDRO POTENTIAL CHARACTERISTICS

REACH # 02-665-000-000-R0001

I. LOCATION

A. State	Oregon
B. County	Douglas
C. Township, Range	Sec. 20, T20S, R12W
D. Latitude, Longitude	43°49'N, 124°05'W
E. Stream Name	Tahkenitch Creek
F. Major Basin Name	Mid 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	Sq.Mi.
F. Inflow Classification	Natural	

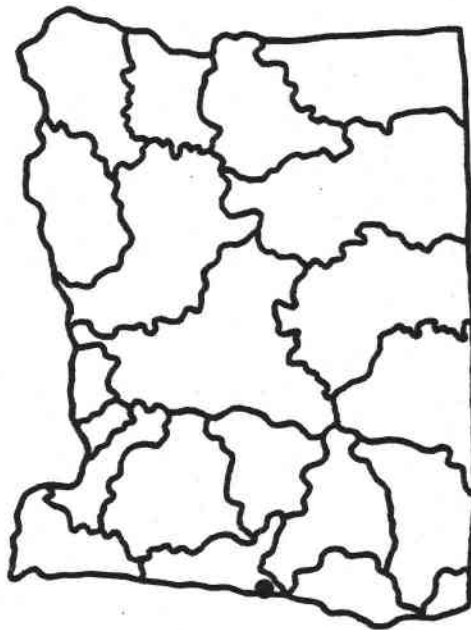
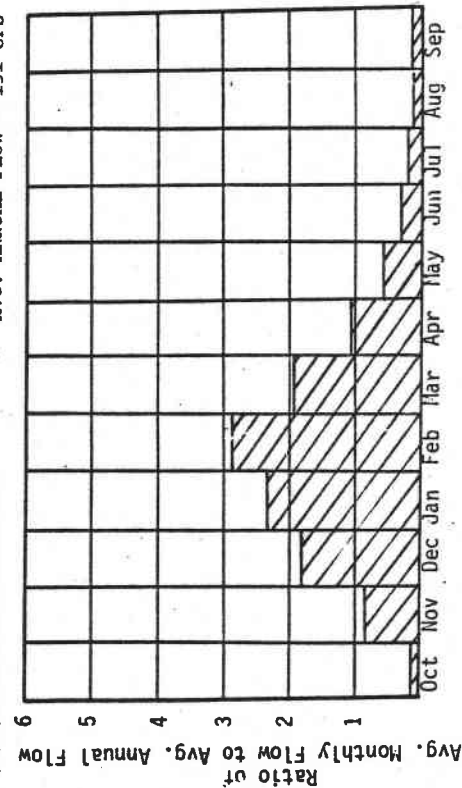
III. REACH FLOW DURATION AND THEORETICAL POTENTIAL

ENERGY CHARACTERISTICS

I	PERCENTAGE	I	DISCHARGE	I	THEORETICAL	I	ANNUAL ENERGY	I	PLANT
I	I	I	CFS	I	PLANT SIZE	I	AVAILABLE	I	FACTOR
I	I	I	I	I	MW	I	GMH	I	I
I	95	I	8.1	I	.05	I	.39	I	1.000
I	80	I	15.4	I	.09	I	.71	I	.940
I	50	I	67.9	I	.38	I	2.38	I	.716
I	30	I	154.5	I	.86	I	4.08	I	.539
I	10	I	411.1	I	2.30	I	6.59	I	.327

IV. TYPICAL ANNUAL HYDROGRAPH

AVG. ANNUAL FLOW = 151 CFS



U.S.G.S. TOPO. SERIES
1:250,000 SCALE
MAP NAME: ROSEBURG-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
02-605-								
000-000-000-R0001	X	X	X	X	0.2	57/115-PPL	-	27.6
009-000-000-R0001	-	-	X	X	0.4	69/115-PPL	-	25.7
009-000-000-R0002	-	-	-	X	1.2	69/115-PPL	-	25.2
000-000-000-R0002	-	X	X	X	0.2	69/115-PPL	-	22.8
000-000-000-R0003	-	X	X	X	0.8	69/115-PPL	-	20.4
02-610-								
000-000-000-R0001	-	-	X	X	0.1	69-0P-PPL	-	21.4
000-000-000-R0002	-	-	-	X	2.0	69-0P-PPL	-	22.7
02-615-								
000-000-000-R0001	-	-	X	X	0.9	69-0P-PPL	-	19.1
000-000-000-R0002	-	-	-	X	3.7	69-0P-PPL	-	20.5
000-000-000-R0003	-	-	-	X	6.2	69-0P-PPL	-	21.8
02-620-								

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
02-620-								
000-000-000-R0001	-	X	X	X	2.2	69-0P-PPL	-	18.6
000-000-000-R0002	-	X	X	X	3.0	69-0P-PPL	-	14.7
000-000-000-R0003	-	-	X	X	2.6	69-0P-PPL	-	12.7
022-000-000-R0001	-	-	-	X	3.4	69-0P-PPL	-	12.2
000-000-000-R0004	-	-	X	X	5.0	69-0P-PPL	-	12.1
026-000-000-R0001	-	-	-	X	3.2	69-0P-PPL	-	10.2
026-000-000-R0002	-	-	-	-	4.1	69-0P-PPL	-	10.8
000-000-000-R0005	-	X	X	X	2.1	69-0P-PPL	-	9.7
000-000-000-R0006	-	X	X	X	0.4	69-0P-PPL	-	6.1
000-000-000-R0007	-	X	X	X	1.2	69-CPI	-	9.6
047-000-000-R0001	-	-	X	X	2.0	23-CPI	-	11.1
047-004-000-R0001	-	-	-	X	1.7	23-CPI	-	14.6
047-004-000-R0002	-	-	-	X	3.1	23-CPI	-	15.7

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
02-620-								
047-005-000-R0001	-	-	X	X	1.2	23-CPI	-	12.8
047-005-000-R0002	-	-	X	X	0.9	23-CPI	-	13.2
000-000-000-R0008	-	-	-	X	3.0	69-CPI	-	11.4
000-000-000-R0009	-	-	X	X	5.1	69-CPI	-	12.9
000-000-000-R0010	-	-	-	X	8.9	23-CPI	-	18.6
050-000-000-R0001	-	X	X	X	9.8	23-CPI	-	20.2
050-000-000-R0002	-	-	-	-	8.1	23-CPI	-	19.5
000-000-000-R0011	-	-	-	X	10.6	69/115-PPL	-	19.8
055-000-000-R0001	-	-	-	X	8.3	69/115-PPL	-	18.3
055-000-000-R0002	-	-	-	X	8.9	57-P	-	16.5
060-000-000-R0001	-	-	-	X	7.8	69/115-PPL	-	20.1
060-005-000-R0001	-	-	-	X	7.3	69/115-PPL	-	18.7
060-000-000-R0002	-	-	-	X	7.2	69/115-PPL	-	19.7

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
02-625-								
000-000-000-R0001	-	X	X	X	0.7	69-CPI	1,2	4.5
012-000-000-R0001	-	X	X	X	0.2	69-OP-CLP	1,2	0.3
012-000-000-R0002	-	X	X	X	0.2	69-OP-CLP	1,2	1.1
000-000-000-R0002	-	X	X	X	0.2	69-CPI	1,2	2.3
023-000-000-R0001	-	-	X	X	0.3	115/230-B	-	5.2
023-000-000-R0002	-	-	X	X	2.3	115/230-B	-	8.2
023-000-000-R0003	-	-	X	X	4.3	115/230-B	-	10.8
023-000-000-R0004	-	-	X	X	2.7	115/230-B	-	10.8
023-000-000-R0005	-	-	X	X	3.2	23-CPI	-	14.0
000-000-000-R0003	-	X	X	X	0.3	69-CPI	-	5.7
000-000-000-R0004	-	X	X	X	2.3	23-CPI	-	8.8
030-000-000-R0001	-	X	X	X	0.5	23-CPI	-	9.1
000-000-000-R0005	-	X	X	X	2.0	23-CPI	-	10.8

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
02-625-								
000-000-000-R0006	-	X	X	X	2.2	23-CPI	-	13.0
000-000-000-R0007	-	-	-	X	0.9	23-CPI	-	14.5
02-630-								
000-000-000-R0001	-	-	X	X	0.8	69-CL-P	-	6.9
000-000-000-R0002	-	-	-	X	0.1	69-CPI	-	8.1
02-635-								
000-000-000-R0001	-	X	X	X	1.0	69-CPI	-	14.1
022-000-000-R0001	-	-	X	X	1.2	230-B	-	14.2
022-000-000-R0002	-	-	X	X	2.7	115-CPI	-	13.4
022-000-000-R0003	-	-	-	X	6.8	230-B	-	12.2
022-000-000-R0004	-	-	-	X	7.2	115-CPI	-	9.1
022-000-000-R0005	-	-	-	X	7.0	115-CPI	-	10.1
000-000-000-R0002	-	X	X	X	0.2	115-CPI	-	15.0

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
02-635-								
000-000-000-R0003	-	X	X	X	1.1	115-CPI	-	16.3
000-000-000-R0004	-	X	X	X	0.2	115-CPI	-	18.0
029-000-000-R0001	-	-	X	X	3.2	115-CPI	-	20.9
029-005-000-R0001	-	-	X	X	2.4	13.8/23-CPI	-	23.2
029-005-000-R0002	-	-	X	X	0.8	13.8/23-CPI	-	24.1
029-005-000-R0003	-	-	X	X	1.2	13.8/23-CPI	-	22.0
029-000-000-R0002	-	-	X	X	4.7	230-B	-	22.2
029-000-000-R0003	-	-	X	X	4.8	230-B	-	24.2
029-000-000-R0004	-	-	X	X	4.5	13.8/23-CPI	-	24.5
000-000-000-R0005	-	X	X	X	0.1	69-CPI	-	19.0
036-000-000-R0001	-	-	X	X	2.5	69-CPI	-	18.5
036-000-000-R0002	-	-	-	X	4.8	69-CPI	-	16.5
000-000-000-R0006	-	X	X	-	0.5	13.8/23-CPI	-	21.6

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
02-635-								
000-000-000-R0007	-	X	X	X	1.0	115-CPI	-	18.4
041-000-000-R0001	-	-	X	X	3.6	115-CPI	-	17.1
041-000-000-R0002	-	-	-	X	5.8	115-CPI	-	16.7
050-000-000-R0001	-	X	X	X	1.0	115-CPI	-	13.7
050-022-000-R0001	-	X	X	X	1.2	115-CPI	-	13.4
050-022-000-R0002	-	X	X	-	2.8	115-CPI	-	13.1
050-000-000-R0002	-	-	-	X	1.0	115-CPI	-	11.1
050-000-000-R0003	-	-	-	X	0.2	115-CPI	-	9.7
02-640-								
000-000-000-R0001	-	-	X	X	3.7	230-B	-	23.0
000-000-000-R0002	-	-	X	X	0.8	230-B	-	22.8
02-645-								
000-000-000-R0001	X	-	X	X	6.5	230-B	-	17.2

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
02-645-								
000-000-000-R0002	-	-	X	X	4.4	230-B	-	17.7
02-650-								
000-000-000-R0001	X	-	X	X	7.7	230-B	-	13.7
000-000-000-R0002	-	-	X	X	6.6	230-B	-	13.7
02-655-								
000-000-000-R0001	-	X	X	X	2.0	115-B	1,2	1.1
022-000-000-R0001	-	X	X	X	1.5	230-B	1,2	6.0
022-000-000-R0002	-	-	X	X	1.0	230-B	-	8.7
022-000-000-R0003	-	-	X	X	0.5	230-B	-	12.0
022-000-000-R0004	-	-	X	X	1.3	230-B	-	13.5
000-000-000-R0002	-	X	X	X	0.3	230-B	-	5.8
029-000-000-R0001	-	-	X	X	2.0	CL-P	-	10.0
029-000-000-R0002	-	-	-	X	4.6	CL-P	-	9.9

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
02-655-								
000-000-000-R0003	-	X	X	X	0.5	115-B	-	12.2
033-000-000-R0001	-	X	X	X	0.1	230-B	-	13.9
033-000-000-R0002	-	X	X	X	0.1	115-B	-	15.3
000-000-000-R0004	-	X	X	X	0.1	34.5-BL-C	-	13.7
042-000-000-R0001	-	X	-	X	3.0	34.5-BL-C	-	17.6
042-021-000-R0001	-	-	-	-	2.0	34.5-BL-C	-	17.8
042-021-010-R0001	-	-	-	X	4.1	230-B	-	17.8
042-021-000-R0002	-	-	-	X	4.4	230-B	-	18.8
042-021-000-R0003	-	-	-	X	4.9	230-B	-	19.5
042-000-000-R0002	-	X	X	X	4.7	34.5-BL-C	-	19.3
042-022-000-R0001	-	-	-	X	4.9	34.5-BL-C	-	21.0
042-022-001-R0001	-	-	-	X	5.8	34.5-BL-C	-	21.5
042-022-001-R0002	-	-	-	X	5.7	34.5-BL-C	-	21.0

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
02-655-								
042-022-000-R0002	-	-	-	X	7.0	13.8/23-CPI	-	20.5
042-022-000-R0003	-	-	-	X	4.8	13.8/23-CPI	-	20.3
042-000-000-R0003	-	X	X	X	5.6	230-B	-	21.9
042-000-000-R0004	-	X	X	X	6.0	230-B	-	23.8
042-000-000-R0005	-	X	X	X	6.7	230-B	-	21.5
042-000-000-R0006	-	X	X	X	4.6	34.5-BL-C	-	17.7
042-000-000-R0007	-	X	X	-	3.5	34.5-BL-C	-	15.2
000-000-000-R0005	-	X	-	X	2.2	230-B	-	19.0
000-000-000-R0006	X	X	X	X	0.1	230-B	-	18.2
048-000-000-R0001	-	X	X	X	2.0	115-B	-	13.4
048-000-000-R0002	-	X	-	X	0.1	115-B	-	12.2
000-000-000-R0007	-	-	-	X	2.2	115-B	-	16.5
000-000-000-R0008	-	-	-	X	4.2	115-B	-	15.6

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
02-655-								
054-000-000-R0001	-	-	-	-	4.7	115-B	-	14.5
054-000-000-R0002	-	-	-	X	4.4	230-B	-	10.3
054-000-000-R0003	-	-	-	X	5.8	230-B	-	10.6
000-000-000-R0009	-	-	-	X	5.6	115-B	-	17.0
057-000-000-R0001	-	-	-	X	6.5	115-B	-	16.9
000-000-000-R0010	-	-	-	X	7.0	115-B	-	16.0
000-000-000-R0011	-	-	-	X	8.9	230-B	-	14.5
000-000-000-R0012	-	-	-	X	10.2	230-B	-	14.6
000-000-000-R0013	-	-	-	X	10.6	230-B	-	14.0
000-000-000-R0014	-	-	-	X	8.3	23-PPL	-	14.7
000-000-000-R0015	-	-	-	X	4.4	23-PPL	-	11.4
062-000-000-R0001	-	-	-	X	3.0	23-PPL	-	9.8
02-660-								

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
02-660-								
000-000-000-R0001	X	X	X	X	3.0	115-B	-	6.0
022-000-000-R0001	-	X	-	X	0.8	115-B	-	5.5
022-000-000-R0002	-	-	-	X	0.1	115-B	-	5.5
025-000-000-R0001	-	-	-	X	1.0	230-B	-	8.1
025-000-000-R0002	-	-	-	X	2.7	230-B	-	10.0
02-665-								
000-000-000-R0001	-	-	-	X	5.0	115-B	-	8.9