

**ESTUARINE MITIGATION
EVALUATION PROJECT**

**REMOVAL - FILL ACTIVITY
IN OREGON ESTUARIES
1971 - 1987**

A Report by Fishman Environmental Services

for the

*Department of Land Conservation and Development
and the Division of State Lands*

June 1987

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1971-1987

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REMOVAL-FILL ACTIVITY IN OREGON'S ESTUARIES, 1971-1987

Introduction

Over the last 100 years Oregon's estuaries have been dramatically altered by dredging filling and diking. Together these activities have damaged or destroyed literally thousands of acres of biologically productive and important marshes and wetlands. Since 1971, state laws have regulated dredging and filling in all waters of the state. These laws and other laws adopted since that time are intended to avoid unnecessary dredging and filling and protect our remaining estuarine areas.

This report reviews the extent of dredge and fill activity permitted in each of Oregon's estuaries over the last sixteen years. The report provides important data for researchers and resource managers to assess the success of Oregon's efforts to limit dredging and filling and to protect valuable estuarine resources.

The report provides cumulative information for three time periods which correspond to different regulatory requirements. The 1971-76 period covers the first five years of the Removal-Fill Law. In 1977, the Estuarine Resources Goal (Statewide Planning Goal 16), which included a general requirement for mitigation, took effect. In 1983, DSL prepared very detailed rules to guide estuarine mitigation decisions. In addition, by 1983 most estuary management plans, guiding decisions about the location of estuarine development, were in place. Data about estuary dredging and filling has been summarized using these time periods to allow some comparison and judgements about the effects of these policies.

This report is one part of a three-part report studying the effectiveness of Oregon's requirements for estuarine mitigation. The Final Report provides a comprehensive assessment of the implementation of the mitigation requirement as implemented by the Division of State Lands. The Site Evaluation Notebook provides detailed information on each site where mitigation actions have been approved and taken place.

The information provided in this report is also available on floppy disk in a computerized data base. Please direct inquiries to the Department of Land Conservation and Development. Further information about the Removal-Fill Law or specific permit decisions is available from the Division of State Lands.

CUMULATIVE DATA SHEET

ESTUARY: Necanicum River

AMOUNTS PERMITTED

1971-1976

<u>Date</u>	<u>Fill</u>	<u>Removed</u>	<u>Riprap</u>	<u>Permit #</u>
8-5-75	--	--	100ft/2500cyds	FP 2063
11-1-76	--	--	50ft/240cyds	RF 2462
<u>TOTAL:</u>	<u>0</u>	<u>0</u>	<u>150 lin. ft.</u>	

1977-1982

10-11-79	--	--	75ft/80cyds	SP 1654
3-5-79	--	--	218.5ft/500cyds	SP 1579
11-27-79	--	--	*700ft/700cyds	SP 1692
<u>TOTAL:</u>	<u>0</u>	<u>0</u>	<u>993.5 lin.ft.</u>	

1983-1987

1-15-86	--	--	198ft/250cyds	SP 2502
8-18-86	--	.50ac/3600cyds**	400ft/230cyds	FP 4402-Act.
<u>TOTAL:</u>	<u>0</u>	<u>.50ac/3600 cyds;</u>	<u>598 lin. ft.</u>	

TOTALS FOR ESTUARY:

1971-1987:	0	3600 cyds	1741.5 lin.ft.
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* - measurement approximate.

** - for .50 acre mitigation salt marsh.

Act - active permit.

CUMULATIVE DATA SHEET

Estuary: Neawanna Creek (Necanicum tributary)

AMOUNTS PERMITTED

1971-1976

<u>Date</u>	<u>Fill</u>	<u>Removed</u>	<u>Riprap</u>	<u>Permit #</u>
5-14-76	--	--	80ft/100cyds	SP 2298
<u>TOTAL:</u>	<u>0</u>	<u>0</u>	<u>80 lin. ft.</u>	

1977-1982

2-2-97	subpipe	subpipe	10ft/26cyds	RP 3008
<u>TOTAL:</u>	<u>0</u>	<u>0</u>	<u>10 lin. ft.</u>	

1983-1987

9-6-83	--	--	130ft/300cyds	SP 1773
2-16-8	.03ac/700cyds	50cyds*	--	FP 3893
11-8-85	--	250cyds**	--	RP 4284
12-6-85	--	--	120ft/95cyds	SP 2491
<u>TOTAL:</u>	<u>.03 acre</u>	<u>300cyds</u>	<u>250 lin.ft.</u>	

TOTALS FOR ESTUARY:

1971-1987:	.03 acre	300cyds	340 lin.ft.
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*Created .01 acre marsh for mitigation.

**Created .25 acre intertidal marsh for mitigation.

Estuary: Neawanna Creek (Necanicum tributary)

AMOUNTS PERMITTED

<u>1971-1976</u>				
<u>Date</u>	<u>Fill</u>	<u>Removed</u>	<u>Riprap</u>	<u>Pm#</u>
5-14-76	--	--	80ft/100cyds	SP 2298
<u>TOTAL:</u>	<u>0</u>	<u>0</u>	<u>80 lin. ft.</u>	

<u>1977-1982</u>				
2-2-97	N/A (subpipe)	N/A (subpipe)	10ft/26cyds	RP 3008
<u>TOTAL:</u>	<u>0</u>	<u>0</u>	<u>10 lin. ft.</u>	

<u>1983-1987</u>				
9-6-83	--	--	130ft/300cyds	SP 1773
2-16-84 ✓	.03ac/700cyds	50cyds*	--	FP 3893
11-8-85	--	250cyds**	--	RP 4284
12-6-85	--	--	120ft/95cyds	SP 2491
<u>TOTAL:</u>	<u>.03 acre</u>	<u>300cyds</u>	<u>250 lin. ft.</u>	

TOTALS FOR ESTUARY:

1971-1987: .03 acre 300cyds 340 lin ft.

*Created .01 acre mitigation marsh

**Created 1/4 acre intertidal marsh

0651H

NECUMIUM RIVER ESTUARINE ALTERATION PERMIT INFORMATION 1968 TO 1987.

PROJECT CODE	FGL PERMIT NO.	YEAR ISSUED	COUNTY	WATERWAY	QUAD. MAP	TOWNSHIP, RANGE, SECTION	REMOVAL (CU YD)	RE- MATERIAL FC.	FILL (CU YD)	ILL IN.	RIFRUP (FEET)	RIFRUP (CU YD)	COMMENTS
NC7501	SP20-3	1975	CLAT	NECUMIUM RIVER	CINNON	16N, R10M, S21	---	---	---	---	100	2500	EROSION CONTROL
NC7601	2238	1976	CLAT	NECUMIUM CREEK	CINNON	16N, R10M S22	---	---	---	---	80	100	BOUNT MAP & FISHING PIER INSTALLATION
NC7602	RF24-2	1976	CLAT	NECUMIUM RIVER	CINNON	16N, R10M, S15	---	---	---	---	50	200	EROSION CONTROL
NC7901	3038	1979	CLAT	NECUMIUM CREEK	CINNON	16N, R10M, S10	30	---	56	---	---	26	INURY TELEPHONE CABLE
NC7902	SP15-9	1979	CLAT	NECUMIUM RIVER	CINNON	7	---	---	---	---	213	500	EROSION CONTROL
NC7903	SP16-4	1979	CLAT	NECUMIUM RIVER	CINNON	16N, R10M, S10	---	---	---	---	75	80	EROSION CONTROL
NC7904	SP16-2	1979	CLAT	NECUMIUM RIVER	CINNON	16N, R10M, S10	---	---	---	---	700	700	
NC8301	SP17-3	1983	CLAT	NECUMIUM CREEK	CINNON	16N, R10M, S15	---	---	---	---	130	300	EROSION CONTROL
NC8502	SP24-1	1985	CLAT	NECUMIUM CREEK	CINNON	16N, R10M, S10	---	---	---	---	120	95	EROSION CONTROL
NC8602	SP25-12	1986	CLAT	NECUMIUM RIVER	CINNON	16N, R10M, S21	---	---	---	---	190	250	EROSION CONTROL

CUMULATIVE DATA SHEET

ESTUARY: Nehalem Bay & River

AMOUNTS PERMITTED

1971-1976

<u>Date</u>	<u>Fill</u>	<u>Removed</u>	<u>Riprap</u>	<u>Permit #</u>
6-25-75	--	--	520ft/1982cyds	SP 1071
7-25-75	--	--	35ft/90cyds	SP 1909
7-31-75	--	--	2000ft/16,000cyds	SP 1076
8-6-76	--	--	2240ft/18,000cyds	SP 1195
8-6-76	--	--	3546ft/16,000cyds	SP 1196
TOTAL:	0	0	8341 lin. ft.	

1977-1982

6-8-77	--	--	4224ft/500cyds	SP 1296
8-7-78	--	--	*100ft/380cyds	SP 1500
8-16-78	--	--	*750ft/3000cyds	SP 1467
9-21-78	--	--	90ft/75cyds	SP 1493
11-5-80	--	--	400ft/600cyds	SP 1759
6-30-81	--	--	300ft/1000cyds	SP 1799
8-26-81	--	1.72ac/10,000cyds	--	RF 3484
10-8-81	--	37ac/130,000cyds	--	RP 3500
5-26-82	--	--	700ft/3600cyds	RF 3477
6-30-82	--	--	680ft/3000cyds	SP 1892
11-26-82	--	--	110ft/200cyds	SP 1659
TOTAL:	0;	38.72ac/140,000 cyds;	7354 lin. ft.	

* - measurements are approximate.

1983-1987

10-3-83	.01ac/25cyds	+60cyds	--	RF 3795
11-8-83	--	--	75ft/880cyds	SP 2190
8-7-84	N/A	N/A	750ft/3200cyds	RF 3949
4-9-85	--	--	*20ft/150cyds	SP 2383
7-30-85	subpipe	subpipe	20ft/95cyds	RF 4203
3-12-86	--	N/A	*80ft/100cyds	RF 4332-Act.
4-11-86	.001ac/150cyds	--	--	FP 4212
6-13-86	--	--	75ft/1000cyds	FP 4387-Act.
9-10-86	--	--	110ft/1500cyds	SP 2601-Act.
<u>TOTAL:</u>	<u>.011 acre</u>	<u>60cyds</u>	<u>1130 lin.ft.</u>	

TOTALS FOR ESTUARY:

1971-1987: .011 acre; 38.72ac/140,060 cyds; 16,825 lin.ft.

N/A - indicates temporary condition.

+ - removal of old fill.

* - measurements are approximate.

Act - active permit.

NEHALEN RIVER ESTUARINE ALTERATION PERMIT INFORMATION 1968 TO 1987.

PROJECT CODE	OSL PERMIT NO.	YEAR ISSUED	COUNTY	WATERWAY	QUAD. MAP	TOWNSHIP, RANGE, SECTION	REMOVAL (CU YD)	RE- MOVAL AC.	FILL (CU YD)	FILL AC.	RIPRAP (FEET)	RIPRAP (CU YD)	COMMENTS
NH7001	SP1071	1978	TILL	NEHALEN DIV	NEHALEN	T3N, R34N, S31	--	--	--	--	520	1982	EROSION CONTROL
NH7002	SP1909	1978	TILL	NEHALEN DIV	NEHALEN	7	--	--	--	--	35	90	EROSION & FLOOD CONTROL
NH7003	SP1076	1978	TILL	NEHALEN DIV	NEHALEN	T3N, R10N, S23	--	--	--	--	2000	16,000	EROSION CONTROL
NH7001	SP1178	1976	TILL	NEHALEN DIV	NEHALEN	7	--	--	--	--	2240	19,000	EROSION CONTROL
NH7002	SP1176	1976	TILL	NEHALEN DIV	NEHALEN	7	--	--	--	--	3646	16,000	EROSION CONTROL
NH7001	SP1276	1977	TILL	NEHALEN DIV	NEHALEN	T3N, R10N, S34 & S35	--	--	--	--	4224	500	MAINTENANCE & RESTORATION
NH7001	SP1610	1978	TILL	NEHALEN DIV	NEHALEN	7	--	--	--	--	100	300	EROSION CONTROL
NH7002	SP1667	1978	TILL	NEHALEN DIV	NEHALEN	7	--	--	--	--	780	3000	EROSION CONTROL
NH7003	SP1493	1978	TILL	NEHALEN DIV	NEHALEN	T3N, R10N, S23	--	--	--	--	90	75	EROSION CONTROL
NH8001	SP1759	1980	TILL	NEHALEN DIV	NEHALEN	T3N, R10N, S36	--	--	--	--	400	600	EROSION CONTROL
NH8101	SP1799	1981	TILL	NEHALEN DIV	NEHALEN	7	--	--	--	--	300	1000	EROSION & FLOOD CONTROL
NH8102	RF3484	1981	TILL	NEHALEN DIV	NEHALEN	T3N, R10N, S23	10,000	1.72	--	--	--	--	CLEAN-UP & OBTAIN FILL MATERIAL
NH8103	RP3800	1981	TILL	NEHALEN DIV	NEHALEN	T3N, R10N, S34	130,000	37	--	--	--	--	FLOOD PREVENTION
NH8201	RF3477	1982	TILL	NEHALEN DIV	NEHALEN	T3N, R10N, S34	--	--	--	--	700	3600	BRIDGE CONSTRUCTION
NH8202	SP1892	1982	TILL	NEHALEN DIV	NEHALEN	T2N, R10N, S8	--	--	--	--	600	3000	EROSION CONTROL
NH8203	SP1699	1982	TILL	NEHALEN DIV	NEHALEN	T3N, R10N, S23	--	--	--	--	110	200	REPAIR OLD RIPRAP
NH8301	RF3795	1983	TILL	NEHALEN DIV	NEHALEN	T3N, R10N, S27	60	--	25	.01	--	--	REPLACE OLD FILL
NH8302	SP2130	1983	TILL	NEHALEN DIV	NEHALEN	T3N, R10N, S23	--	--	--	--	75	800	EROSION CONTROL
NH8402	RF3949	1984	TILL	NEHALEN DIV	NEHALEN	T3N, R10N, S27 -S29	--	--	--	750	3200	SLIDE REPAIR	

MEHALEN RIVER CONTINUED.

PROJECT CODE	USL PERMIT NO.	YEAR ISSUED	COUNTY	WATERWAY	QUAD. MAP	TOWNSHIP, RANGE, SECTION	REMOVAL (CU YD)	RE- MOVAL MC.	FILL (CU YD)	FILL MC.	RIPRAP (FEET)	RIPRAP (CU YD)	COMMENTS
MM0501	SP2303	1986	TILL	MEHALEN DWW	MEHALEN	T4N,R7M,S31	---	---	850	---	20	150	EROSION CONTROL
MM0502	RF4203	1986	TILL	MEHALEN DWW	MEHALEN	T3M,R10M,S23	760	---	---	---	20	96	INSTALL SEWER PIPE
MM0601	RF4332	1986	TILL	MEHALEN DWW	MEHALEN	T3M,R10M,S12	---	---	---	---	80	100	BRIDGE REPAIR
MM0602	FP4212	1986	TILL	MEHALEN DWW	MEHALEN	T10S,R2M,S9	---	---	150	.001	---	---	---
MM0603	FP4307	1986	TILL	MEHALEN DWW	MEHALEN	T4N,R8M,S22	---	---	---	---	75	1,000	EROSION CONTROL
MM0604	SP2601	1986	TILL	MEHALEN DWW	MEHALEN	T6M,R7M,S21M	1,800	---	---	---	110	1,500	REPAIR EXISTING RIPRAP

CUMULATIVE DATA SHEET

ESTUARY: Tillamook Bay & River

AMOUNTS PERMITTED

1971-1976

<u>Date</u>	<u>Fill</u>	<u>Removed</u>	<u>Riprap</u>	<u>Permit #</u>
4-12-72	3.6 acre (45,000cyds)	20,000cyds (8.26 ac)	--	RF 694
7-17-72	--	.57ac/500cyds	--	RP 723
9-27-74	--	--	*1100ft/3900cyds	SP 956
10-1-74	--	150ft/1000cyds	--	RP 1783
4-4-75	--	4.6ac/10,000cyds	--	RP 1934
7-3-75	--	--	200ft/500cyds	SP 1080
9-17-75	200cyds (artificial reef)	--	--	FP 1843
11-22-76	--	11.9ac/10,000cyds	--	RP 2411-Act
TOTAL:	3.6 acres + 200cyds;	25.33ac/41,500cyds;	1300 lin.ft.	

1977-1982

12-19-77	--	11.5ac/30,000cyds	--	RP 2723-Act
12-30-77	--	.28ac/200cyds	--	SP 1344
10-5-78	--	*.86ac/1490cyds	*80ft/1000cyds	RF 2955
9-25-81	--	4.6ac/5000cyds	--	RP 3455
7-15-82	--	--	300ft/720cyds	SP 1908
TOTAL:	0	17.24ac/36,690 cyds;	380 lin.ft.	

1983-1987

<u>Date</u>	<u>Fill</u>	<u>Removed</u>	<u>Riprap</u>	<u>Permit #</u>
6-5-84	--	--	1689.6ft/2000cyds	SP 2255-Act
9-4-84	160cyds (artificial reef)	--	--	FP 3242-Act
9-13-84	--	--	*100ft/100cyds	SP 2280
4-10-87	in water	8.3ac/15,000cyds	--	RF 4526-Act
TOTAL:	160cyds	8.3ac/15,000cyds	1789.6 lin.ft.	

TOTALS FOR ESTUARY:

1971-1987: 3.6 ac + 360cyds; 50.87 ac/93,190 cyds; 3469 lin.ft.

* - measurements are approximate.

Act - active permit.

CUMULATIVE DATA SHEET

ESTUARY: Major Tillamook Tributaries
Kilchis River

AMOUNTS PERMITTED

1971-1976

<u>Date</u>	<u>Fill</u>	<u>Removed</u>	<u>Riprap</u>	<u>Permit</u>
1-22-71	--	2000cyds	--	RP 569
7-16-75	--	--	500ft/833cyds*	SP 1074
8-6-75	--	--	200ft/1000cyds	SP 1091
<u>TOTAL:</u>	<u>0</u>	<u>2000 cyds</u>	<u>700 lin.ft.</u>	

1977-1982

4-29-77	--	5000cyds	--	RP 2618
<u>TOTAL:</u>	<u>0</u>	<u>5000 cyds</u>	<u>0</u>	

1983-1987

7-25-86	--	.04ac/401cyds	120ft/48cyds	RF 4420-Act
<u>TOTAL:</u>	<u>0</u>	<u>.04ac/401cyds</u>	<u>120 lin.ft.</u>	

TOTALS FOR ESTUARY:

1971-1987:	0	.04ac/7401cyds	820 lin.ft.
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* - measurements are approximate.

Act - active permit.

Miami RiverAMOUNTS PERMITTED1971-1976

<u>Date</u>	<u>Fill</u>	<u>Removed</u>	<u>Riprap</u>	<u>Permit #</u>
9-3-68	--	1500cyds	--	RP 270
8-30-72	--	2000cyds	--	RP 254
8-22-75	--	--	240ft/700cyds	SP 1094
TOTAL FOR ESTUARY:	0	3500 cyds	240 lin.ft.	

Trask RiverAMOUNTS PERMITTED1971-1976

<u>Date</u>	<u>Fill</u>	<u>Removed</u>	<u>Riprap</u>	<u>Permit #</u>
8-31-71	--	--	540ft/1640cyds	SP 480
7-25-74	--	--	640ft/8027cyds	SP 836
5-1-75	--	--	490ft/2776cyds	SP 1056
TOTAL:	0	0	1670 lin.ft.	

1977-1982

4-19-77	--	.24ac/2000cyds	*150ft/110cyds	RP 2570
5-12-78	--	--	350ft/5500cyds	SP 1386
6-5-78	subpipe	subpipe	25ft/75cyds	RF 2868
12-24-79	--	.01ac/50cyds	24ft/87cyds	RP 3155
TOTAL:	0	.25ac/2050cyds	549 lin.ft.	

1983-1987

8-11-80	--	subpipe	*225ft/124cyds	SP 1739
3-3-83	--	--	630ft/2760cyds	SP 2017
TOTAL:	0	0	855 lin.ft.	

TOTAL FOR ESTUARY:

1971-1987:	0	.25ac/2050cyds	3074 lin.ft.
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* - measurements are approximate.

Wilson RiverAMOUNTS PERMITTED1971-1976

<u>Date</u>	<u>Fill</u>	<u>Remove</u>	<u>Riprap</u>	<u>Permit #</u>
6-27-74	--	30,000cyds	--	RP 1570
7-25-74	--	--	1775ft/17,340cyds	SP 837
5-12-75	--	--	165ft/2290cyds	SP 1054
8-4-75	--	--	500ft/3870cyds	SP 1082
8-8-75	--	--	210ft/2020	SP 1095
9-10-75	--	1.4ac/2000cyds	--	RP 2139
9-3-76	--	--	*495ft/100cyds	SP 1236
<u>TOTAL:</u>	0	1.4ac/32,000cyds;	3145 lin.ft.	

1977-1982

6-22-77	--	3000cyds	--	RP 2632
5-13-81	.31ac/16,000cyds	--	--	FP 3389
<u>TOTAL:</u>	.31 acre	3000 cyds	0	

1983-1987

5-24-84	--	--	940ft/8400cyds	SP 2268
1-10-85	--	--	80ft/50cyds	SP 2365
<u>TOTAL:</u>	0	37,000 cyds	1020 lin.ft.	

TOTAL FOR ESTUARY:

1971-1987: .31 acre; 1.4 ac/72,000 cyds; 4165 lin.ft.

MISCELLANEOUS TILLAMOOK TRIBUTARIES1971-1976

<u>Date</u>	<u>Fill</u>	<u>Remove</u>	<u>Riprap</u>	<u>Permit #</u>
8-22-75	--	--	200ft/1200cyds	SP 1093
<u>TOTAL:</u>	<u>0</u>	<u>0</u>	<u>200 lin.ft.</u>	

1977-1982

6-2-78	--	+50cyds	--	SP 1420
5-27-81	3000cyds (tide gate)	3000cyds (tide gate)	--	RP 3395
10-6-81	subpipe	subpipe	*100ft/120cyds	RF 3481
9-17-82	**922cyds (1600 lin.ft.)	**3740cyds	--	SP 1974
9-30-82	subpipe	subpipe	75ft/200cyds	RF 3589
<u>TOTAL:</u>	<u>3922cyds</u>	<u>6790cyds</u>	<u>175 lin.ft.</u>	

1983-1987

7-1-83	subpipe	subpipe	*90ft/100cyds	RF 3705
7-1-83	subpipe	subpipe	*130ft/130cyds	RF 3704
3-25-87	6550cyds (channel relocation: 2000 lin.ft.)	6550cyds	--	SP 2631-Act
<u>TOTAL:</u>	<u>6550cyds</u>	<u>6550cyds</u>	<u>220 lin.ft.</u>	

TOTAL FOR ESTUARY:

1971-1987: 10,472cyds; 13,340cyds; 595 lin.ft.

TOTAL FOR ENTIRE TILLAMOOK AREA ESTUARIES:

1971-1987: filled-3.91 acres + 10832cyds.
 removed-52.56 acres/191,481cyds.
 riprap-12,363 lin.ft.

* - measurements are approximate.

** - channel change: Illingsworth Creek.

+ - tidegate replacement.

TILLAMOOK BAY AND TRIBUTARIES ESTUARINE ALTERATION PERMIT INFORMATION FILE 1968 TO 1987.

PROJECT CODE	USL PERMIT NO.	YEAR ISSUED	COUNTY	WATERWAY	QUAD. MAP	TOWNSHIP, RANGE, SECTION	REMOVAL (CU YD)	RE-AC.	FILL (CU YD)	FILL AC.	RIPRAP (FEET)	RIPRAP (CU YD)	COMMENTS
MR-701	1670	1974	TILLAMOOK	MELSON RIVER		T15, R4N, S20	30,000						ROAD CONST. & MAINT.
MR-702	SP837	1974	TILLAMOOK	MELSON RIVER		T15, R4N, S10 S13, 19, 20-24					1,775	17,340	EROSION CONTROL
MR-701	SP1054	1975	TILLAMOOK	MELSON RIVER		T15, R4N, S19					165	2,290	EROSION CONTROL
MR-702	SP1082	1975	TILLAMOOK	MELSON RIVER		T15, R10N, S23					500	3,873	EROSION CONTROL
MR-703	SP1095	1975	TILLAMOOK	MELSON RIVER		T15, R10N, S13					210	2,020	EROSION CONTROL
MR-704	2139	1975	TILLAMOOK	MELSON RIVER		T15, R4N, S20	2,000	1.4					EROSION CONTROL
MR-701	SP1236	1976	TILLAMOOK	MELSON RIVER		T15, R4N, S20					495	100	EROSION CONTROL
MR-701	2532	1977	TILLAMOOK	MELSON RIVER		T15, R4N, S20	3,000						COMMERCIAL GRAVEL EXCAVATION
MR-701	3389	1981	TILLAMOOK	MELSON RIVER		T15, R10N, S18			16,000	0.31			HILL SITE IMPROVEMENT
MR-701	SP2268	1984	TILLAMOOK	MELSON RIVER		T15, R10N, S13 S14					940	8,400	EROSION CONTROL ROAD MAINTENANCE
MR-701	SP2368	1985	TILLAMOOK	MELSON RIVER		T15, R4N, S19					80	50	EROSION CONTROL
MR-701	480	1971	TILLAMOOK	TRASK RIVER		T15, R10N, S25					540	1,640	EROSION CONTROL
MR-701	SP836	1974	TILLAMOOK	TRASK RIVER		T15, R10N, S25 T25, R4N, S31					640	8,027	EROSION CONTROL
MR-701	SP1006	1975	TILLAMOOK	TRASK RIVER		T15, R25, R4N, S6 & 31					490	2,776	EROSION CONTROL
MR-702	SP1006	1975	TILLAMOOK	TRASK RIVER		T15, R25, R4N, S6 & 31					490	2,776	EROSION CONTROL
MR-701	2670	1977	TILLAMOOK	TRASK RIVER		T15, R10N, S26	2,000	0.24			190	110	FLOOD CONTROL DEEPEN MOORHOLE
MR-701	SP1396	1978	TILLAMOOK	TRASK RIVER		T15, R4N, S31					350	5,500	EROSION CONTROL
MR-702	2842	1978	TILLAMOOK	TRASK RIVER		T15, R10N, S25	75				25	75	SEWER OUTFALL PIPE LINE PLACEMENT

TILLAMOOK BAY AND TRIBUTARIES CONTINUED.

PROJECT CODE	DSL PERMIT NO.	YEAR ISSUED	COUNTY	WATERWAY	ORD. MAP	TOWNSHIP, RANGE, SECTION	REMOVAL (CU YD)	RE-INSTALL (CU YD)	FILL (CU YD)	RIPRAP (FEET)	RIPRAP (CU YD)	COMMENTS
112901	3106	1979	TILLAMOOK	TRASK RIVER		T15, R10N, S25	80	0.01		24	67	EROSION CONTROL
112901	SP1239	1980	TILLAMOOK	TRASK RIVER		T25, R9N, S4	132			225	124	REPLACE PIPELINE
112901	SP2017	1983	TILLAMOOK	TRASK RIVER		T15, R10N, S25	270			630	2,760	EROSION CONTROL
112901	270	1964	TILLAMOOK	MEAMI RIVER		T1N, R10N, S14	1,500					EROSION CONTROL
112901	294	1972	TILLAMOOK	MEAMI RIVER		T1N, R10N, S14	2,000					COMMERCIAL GRAVEL EXCAVATION
112901	SP1094	1976	TILLAMOOK	MEAMI RIVER		T15, R10N, S23				240	700	EROSION CONTROL
112901	649	1971	TILLAMOOK	KILCHIS RIVER		T15, R9N, S7	2,000					7
112901	SP1024	1976	TILLAMOOK	KILCHIS RIVER		T15, R10N, S12				500	635	EROSION CONTROL
112902	SP1091	1976	TILLAMOOK	KILCHIS RIVER		T15, R9N, S7				200	1,000	EROSION CONTROL
112901	2618	1977	TILLAMOOK	KILCHIS RIVER		T15, R9N, S7	6,000					GRAVEL EXCAVATION
112901	4428	1986	TILLAMOOK	KILCHIS RIVER		T15, R10N, S12	401	0.04		120	48	CONSTRUCT BOAT RAMP & PARKING AREA
112901	SP1093	1976	TILLAMOOK	DOUGHERTY SLough		T15, R9N, S28				200	1,200	EROSION CONTROL
112901	SP1428	1978	TILLAMOOK	MOQUARTEN SLough		T15, R10N, S25	80					REPLACE TIEBARGE
112901	SP3396	1981	TILLAMOOK	DEWEY CREEK		T25, R10N, S1	3,000		3,000			REPLACE PIPES & TIEBARGE
112902	3481	1981	TILLAMOOK	MOQUARTEN SLough		T15, R9N, S30				100	120	PLACEMENT OF SUPPIPE
112901	SP1974	1982	TILLAMOOK	ILLINGSWORTH CR.		T1N, R10N, S23	3,740		922			EROSION CONTROL
112901	3889	1982	TILLAMOOK	DEWEY CREEK		T25, R10N, S1				75	200	ROAD MAINTENANCE
112901	RF 3704	1983	TILLAMOOK	DOUGHERTY SLough		T15, R9N, S19				130	130	WATER PIPELINE INSTALLATION
112901	3706	1983	TILLAMOOK	HALL SLough		T15, R9N, S19				90	100	INSTALL PIPELINE

TILLAMOOK BAY AND TRIBUTARIES CONTINUED.

PROJECT CODE	USL PERMIT NO.	YEAR ISSUED	COUNTY	WATERWAY	QUAD. MAP	TOWNSHIP, RANGE, SECTION	REMOVAL (CU YD)	RE-NOVAL AC.	FILL (CU YD)	FILL AC.	RIPRAP (FEET)	RIPRAP (CU YD)	COMMENTS
1B2701	SP2631	1982	TILLA-NOOK	ANDERSON CREEK		T25,R34,S6	6,560		6,550				INST'L PIPELINE
1B2201	691	1972	TILLA-NOOK	TILLAMOOK BAY		T14,R10M,S21	20,000	0.26	45,000	3.6			ROUTINE MAINTENANCE
1B2202	723	1972	TILLA-NOOK	TILLAMOOK BAY		T15,R10M,S22	600	0.57					?
1B2401	SP2566	1974	TILLA-NOOK	TILLAMOOK BAY		T15,R10M,S22					1,100	3,900	DIKE REPAIR
1B2402	1703	1974	TILLA-NOOK	TILLAMOOK BAY		T15,R10M,S25	1,000						REPLACE TIDEGATES
1B2501	1934	1975	TILLA-NOOK	TILLAMOOK BAY		T14,R10M,S21	10,000						MAINTENANCE DREDGING
1B2602	SP1080	1976	TILLA-NOOK	TILLAMOOK BAY		T25,R34,S7					200	500	EROSION CONTROL
1B2603	1843	1976	TILLA-NOOK	TILLAMOOK BAY		T14,R10M,S32			200				ARTIFICIAL REEF
1B2601	AP2411	1976	TILLA-NOOK	TILLAMOOK BAY		T14,R10M,S1	10,000	12					MAINTENANCE DREDGING
1B2701	2723	1977	TILLA-NOOK	TILLAMOOK BAY		T14,R10M,S21	30,000	11.5					MAINTENANCE DREDGING
1B2702	SP1344	1977	TILLA-NOOK	TILLAMOOK BAY		T25,R34,S6	200	0.28					BEACH MAINTENANCE
1B2801	2756	1978	TILLA-NOOK	TILLAMOOK BAY		T14,R10M,S21	1,490	0.06			60	1,000	MAINTENANCE DREDGING
1B2801	AP3456	1981	TILLA-NOOK	TILLAMOOK BAY		T15,R10M,S34	6,000	4.6					MAINTENANCE DREDGING
1B2802	SP1908	1982	TILLA-NOOK	TILLAMOOK BAY		T25,R34,S7					300	720	EROSION CONTROL
1B3401	SP2255	1984	TILLA-NOOK	TILLAMOOK BAY		T1825,R10M,S3602					1,690	2,000	FLOOD CONTROL
1B3402	3242	1984	TILLA-NOOK	TILLAMOOK BAY		T14,R10M,S21			160				ARTIFICIAL TIRE REEF
1B3403	SP2260	1984	TILLA-NOOK	TILLAMOOK BAY		T15,R10M,S3					100	100	EROSION CONTROL
1B3701	4626	1987	TILLA-NOOK	TILLAMOOK BAY		T14,R10M,S21	15,000	0.26					MAINTENANCE DREDGING

CUMULATIVE DATA SHEET

ESTUARY: Netarts Bay

AMOUNTS PERMITTED

1971-1976

<u>Date</u>	<u>Fill</u>	<u>Removed</u>	<u>Riprap</u>	<u>Permit #</u>
8-15-74	--	--	165ft/100cyds	SP 860
<u>TOTAL:</u>	<u>0</u>	<u>0</u>	<u>165 lin.ft.</u>	

1977-1982

7-21-78	--	--	100ft/100cyds	SP 1387-Act
<u>TOTAL:</u>	<u>0</u>	<u>0</u>	<u>100 lin.ft.</u>	

1983-1987

9-20-83	--	--	150ft/500cyds	SP 2137
9-21-83	--	--	730ft/3000cyds	SP 2138
7-31-85	--	.86ac/1000cyds	--	RP 4172-Act
6-12-86	--	+3.4ac/3075cyds	--	RF 4344-Act
<u>TOTAL:</u>	<u>0</u>	<u>4.26ac/4075cyds</u>	<u>1145 lin.ft.</u>	

TOTALS FOR ESTUARY:

1971-1987:	0	4.26ac/4075 cyds	1145 lin.ft.
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+ - indicates area impacted.

NETHERS, BOY, SAND LAKE

ESTUARINE ALTERATION PERMIT FILE 1960 TO 1987

PROJECT LINE	USE PERMIT NO.	YEAR ISSUED	COUNTY	WATERWAY	QUAD. MAP	TOWNSHIP, RANGE, SECTION	REMOVAL (CU YD)	RE- MOVAL (CU YD)	FILL (CU YD)	RTU NO.	RTHRP (FEET)	R (FRP) (CU YD)	COMMENTS
MT7401	SP840	1974	TILLA- MOOK	WILSKEY CREEK		T2S, R10M, S1P					14.5	100	EROSION CONTROL
MT7801	SP1312	1978	TILLA- MOOK	NETHERS BAY		T2S, R10M, S5					100	100	EROSION CONTROL
MT8301	SP2112	1983	TILLA- MOOK	NETHERS BAY		T1S, R10M, S31					150	500	EROSION CONTROL
MT8302	SP2113	1983	TILLA- MOOK	NETHERS BAY		T1S, R10M, S31					730	3,000	EROSION CONTROL
MT8501	41172	1985	TILLA- MOOK	RICE CREEK		T2S, R10M, S6	1,000	0.86					MAINTENANCE DREDGING
MT8601	41314	1986	TILLA- MOOK	NETHERS BAY		T2S, R10M, S5	3,075	3.4	50				MAINTENANCE DREDGING
SL8601	SP2552	1986	TILLA- MOOK	SAND LAKE		T3S, R10M, S32					100	300	EROSION CONTROL

NESTUCCA BAY

No Cumulative Data Sheet

NESTUCCA BAY ESTUARINE ALTERATION PERMIT INFORMATION FILE 1960 TO 1987.

PROJECT CODE	USL PERMIT NO.	YEAR ISSUED	COUNTY	WATERWAY	QUAD. MAP	TOWNSHIP, RANGE, SECTION	REMOVAL (CU YD)	MEAN H.C.	FILL (CU YD)	RIFRAP (FEET)	RIFRAP (CU YD)	COMMENTS
NB-101	626	1971	TILL	NESTUCCA RIVER	HE80	T45, R104, S14	600					
NB-102	644	1971	TILL	NESTUCCA RIVER	HE80	T45, R104, S19	5000					EROSION CONTROL
NB-101	1077	1973	TILL	NESTUCCA RIVER	HE80	T45, R104, S30	180	0.1				BRIDGE CONSTRUCTION
NB-101	839	1974	TILL	NESTUCCA RIVER	HE80	T45, R104, S9, S14 & S22				950	4,500	EROSION CONTROL
NB-101	SP1001	1975	TILL	NESTUCCA RIVER	HE80	T85, R104, S4				500	2,600	EROSION CONTROL
NB-102	SP1003	1975	TILL	NESTUCCA RIVER	HE80	T45, R104, S22				470	4,500	EROSION CONTROL
NB-103	1453	1975	TILL	NESTUCCA RIVER	HE80	T45, R104, S22	5,000	3.3				EROSION CONTROL
NB-101	2062	1975	TILL	NESTUCCA RIVER	HE80	T55, R104, S9	3,500					FLOOD CONTROL
NB-105	SP1109	1975	TILL	NESTUCCA RIVER	HE80	T45, R104, S19				75	450	EROSION CONTROL
NB-101	SP1126	1976	TILL	NESTUCCA RIVER	HE80	T45, R104, S19				60	300	EROSION CONTROL
NB-102	SP1141	1976	TILL	NESTUCCA RIVER	HE80	T45, R104, S30				200	300	EROSION CONTROL
NB-103	2247	1976	TILL	NESTUCCA RIVER	HE80	T85, R104, S4, S8, S9	1,300		0,000	3,500	3,500	ENLARGE DICE SYSTEM
NB-101	2372	1976	TILL	NESTUCCA RIVER	HE80	T45, R104, S22	1,000					OUTLINE FILL MATERIAL
NB-105	1202	1976	TILL	NESTUCCA RIVER	HE80	T85, R104, S9, S15, S16				2,036	14,607	EROSION CONTROL
NB-101	1276	1977	TILL	NESTUCCA RIVER	HE80	T85, R104, S9				500	1,800	EROSION CONTROL
NB-101	1606	1979	TILL	NESTUCCA RIVER	HE80	T45, R104, S19				60	60	EROSION CONTROL
NB-102	1634	1979	TILL	NESTUCCA RIVER	HE80	T45, R104, S30				60	100	DIKE & TIDEGATE REPAIR
NB-101	1667	1979	TILL	NESTUCCA RIVER	HE80	T45, R104, S19				30	70	EROSION CONTROL
NB-101	3339	1981	TILL	NESTUCCA RIVER	HE80	T45, R104, S30	4,000					MAINTENANCE DREDGING

NESTUCA RIVER CONTINUED.

PROJECT CODE	USL PERMIT NO.	YEAR ISSUED	COUNTY	WATERWAY	QUAD. MAP	TOWNSHIP, RANGE, SECTION	REMOVAL (CU YD)	RE- MOVAL AC.	FILL (CU YD)	TILL DK.	RIPRAP (FLEET)	RIPRAP (CU YD)	COMMENTS
NB0102	1878	1981	TILL	NESTUCCA RIVER	1E80	T4S,R10M,S30					50	60	EROSION CONTROL
NB0201	SP18640	1982	TILL	NESTUCCA RIVER	1E80	T4S,R10M,S30					500	500	EROSION CONTROL
NB0202	3473	1982	TILL	NESTUCCA RIVER	1E80	T4S,R10M,S30		0.8	3,000	0.92			REMOVAL: MITIGATION FILL: HOUSE CONST.
NB0203	1912	1982	TILL	NESTUCCA RIVER	1E80	T4S,R10M,S19					50	140	EROSION CONTROL
NB0204	3654	1982	TILL	NESTUCCA RIVER	1E80	T4S,R10M,S22			60	0.02			BOAT PUMP CONSTRUCTION
NB0502	4270	1985	TILL	NESTUCCA RIVER	1E80	T4S,R10M,S14	50						PUMP INSTALLATION

CUMULATIVE DATA SHEET

ESTUARY: Siletz River

AMOUNTS PERMITTED1971-1976

<u>Date</u>	<u>Fill</u>	<u>Removed</u>	<u>Riprap</u>	<u>Permit #</u>
3-5-69	--	3.21ac/10,000cyds	--	RP 324
8-10-71	--	11.6ac/150,000cyds	--	RP 596
7-19-74	--	.10ac/4000cyds (150 lin.ft.)	--	RP 1587
10-8-75	--	--	2400ft/2150cyds	SP 1114
5-3-76	--	--	*200ft/400cyds	SP 1161
10-5-76	--	--	590ft/400cyds	SP 1241
TOTAL:	0	14.91ac/164,000 cyds;	2659 lin.ft.	

1977-1982

8-30-77	--	--	50ft/350cyds	SP 1314
12-15-77	.41ac/4500cyds (1500 lin.ft.)	--	36ft/25cyds	FP 2743
5-11-79	--	--	36ft/90cyds	SP 1595
7-24-79	--	--	590ft/5000cyds	FP 3015
8-28-79	--	--	410ft/1200cyds	SP 1591
11-2-79	--	--	100ft/100cyds	SP 1669
1-17-81	subpipe	subpipe	20ft	RF 3342
1-30-81	--	--	150ft/50cyds	SP 1744
4-10-81	--	--	103ft/150cyds	SP 1772
10-6-81	--	--	100ft/250cyds	SP1830
10-6-81	--	--	50ft/250cyds	SP 1818
3-18-82	--	--	265ft/4000cyds	SP 1875
11-10-82	--	--	*50ft/120cyds	SP 1996
11-10-82	--	--	120ft/170cyds	SP 1965
11-24-82	--	*.11ac/1500cyds	--	SP 1949-Act
TOTAL:	.41 acre	.11ac/1500 cyds	2080 lin.ft.	

1983-1987

3-29-85	--	--	250ft/200cyds	SP 2388
9-13-85	--	--	300ft/300cyds	SP 2468
9-10-86	--	--	175ft/1926cyds	SP 2589-Act
TOTAL:	0	0	725 lin.ft.	

TOTALS FOR ESTUARY:

1971-1987: .41 acre; 15.02 ac/165,500cyds; 5464 lin.ft.

* - measurements are approximate.

SILETZ RIVER ESTUARINE INTERIM PERMIT INFORMATION 1960 TO 1992

PROJ. NO.	USL PERMIT NO.	YEAR ISSUED	COUNTY	WATERWAY	QUAD. MAP	TOWNSHIP, RANGE, SECTION	REMOVAL (CU YD)	REMOVAL AC.	FILL (CU YD)	FILL AC.	RIPRAP (CU YD)	RIPRAP (CU YD)	COMMENTS
SZ6901	321	1969	LINC	SILETZ RIVER		T8S, R11W, S11	10,000	3.21					FLOOD CONTROL DIKE
SZ7001	431	1970	LINC	SILETZ RIVER		T7S, R11W, S34	50						?
SZ7101	596	1971	LINC	SILETZ RIVER		T8S, R11W, S11	150,000	11.6					BRIDGE CONSTRUCTION
SZ7401	1597	1974	LINC	SILETZ RIVER		T8S, R11W, S11	4,000	0.1					FILL REMOVAL FOR TEMPORARY ROAD
SZ7501	SP1114	1975	LINC	SILETZ RIVER		T7S, R11W, S3					2,400	2,150	EROSION CONTROL
SZ7601	SP1161	1976	LINC	SILETZ RIVER		T7S, R11W, S36					200	400	EROSION CONTROL
SZ7602	SP1241	1976	LINC	SILETZ RIVER		T8S, R11W, S3					500	400	EROSION CONTROL
SZ7701	SP1270	1977	LINC	SILETZ RIVER		T7S, R11W, S27						500	EROSION CONTROL
SZ7702	SP1314	1977	LINC	SILETZ RIVER		T7S, R11W, S34					50	350	EROSION CONTROL
SZ7703	2743	1977	LINC	SILETZ RIVER		T7S, R11W, S25			4,500	0.41	36	25	ROAD IMPROVEMENT
SZ7901	3015	1979	LINC	SILETZ RIVER		T7S, R11W, S34			4,350		500	640	EROSION CONTROL PUBLIC WAYSIDE
SZ7902	SP1531	1979	LINC	SILETZ RIVER		T8S, R10W, S17					410	1,200	EROSION CONTROL
SZ7903	SP1659	1979	LINC	SILETZ RIVER		T8S, R10W, S17					100	100	EROSION CONTROL
SZ8101	3342	1981	LINC	SILETZ RIVER		T7S, R11W, S27	400		500		20		CONSTRUCT SEWER
SZ8102	SP1744	1981	LINC	SILETZ RIVER		T8S, R11W, S11					100	50	EROSION CONTROL
SZ8103	SP1712	1981	LINC	SILETZ RIVER		T8S, R10W, S17					103	150	EROSION CONTROL
SZ8104	SP1810	1981	LINC	SILETZ RIVER		T8S, R10W, S17					100	250	EROSION CONTROL
SZ8105	SP1810	1981	LINC	SILETZ RIVER		T8S, R10W, S7					50	250	EROSION CONTROL

SILETZ RIVER: CONTINUED.

PROJECT CODE	USL PERMIT NO.	YEAR ISSUED	COUNTY	WATERWAY	QUAD. MAP	TOWNSHIP, RANGE, SECTION	REMOVAL (CU YD)	RE- MOVAL AC.	FILL (CU YD)	FILL AC.	RIPRAP (FEET)	RIEPRAP (CU YD)	COMMENTS
SZ0201	SP1875	1982	LINC	SILETZ RIVER		T9S,R11W,S11					265	4,000	EROSION CONTROL
SZ0202	SP1996	1982	LINC	SILETZ RIVER		T7S,R11W,S3 S4					130	120	EROSION CONTROL
SZ0203	SP1965	1982	LINC	SILETZ RIVER		T7S,R11W,S36					120	120	EROSION CONTROL
SZ0204	SP1919	1982	LINC	SILETZ RIVER		T9S,R10W,S7	1,500	0.11					EROSION CONTROL
SZ0501	DP2308	1985	LINC	SILETZ RIVER		T7S,R11W,S34					250	200	EROSION CONTROL
SZ0502	SP2468	1985	LINC	SILETZ RIVER		T7S,R11W,S34					300	300	EROSION CONTROL
SZ0601	SP2589	1986	LINC	SILETZ RIVER		T9S,R10W,S7	175		1,665		175	260	EROSION CONTROL

CUMULATIVE DATA SHEET

ESTUARY: Yaquina Bay and River

AMOUNTS PERMITTED

1971-1976

Date	Fill	Removed	Riprap	Permit #
9-18-69	9.3ac/150,000cyds	*6.6ac/150,000cyds	--	RP 399
4-28-70	--	15,000cyds	**	RP 431
6-29-70	--	.26ac/4100cyds	--	RP 471
8-27-70	2.1ac/70,000cyds	2.6ac/70,000cyds	--	RP 485
3-26-71	--	*.46 ac	--	RP 430
11-15-71	--	.20ac/400cyds	--	RF 640
2-23-72	--	*.48ac/3700cyds	--	RP 675
3-31-72	--	20,000cyds	--	RP 535-Act
8-2-72	--	5,000cyds	--	RP 822
9-19-72	--	*.57ac/750cyds	--	RP 593
1-23-73	--	@ .068 ac	*250ft/500cyds	RP 675
3-16-73	--	#2.46ac/5000cyds	--	RP 1029-Act
6-6-75	.32ac/2046cyds	--	--	RP 1940
9-15-75	--	--	100ft/4000cyds	FP 2107
9-24-75	--	#2.6ac/400cyds	--	RP 2134-Act
12-22-75	.69ac/30,000cyds	--	--	FP 1910
3-31-76	--	*.15ac/1852cyds	--	RP 2224
5-10-76	--	*.26ac/5000cyds	--	RP 2291

TOTAL: 12.4 acres; 16.7 acres/281,202 cyds; 350 lin.ft.

1977-1982

4-26-77	--	*4.6ac/27,000cyds	--	RP 2582-Act
6-16-77	--	*25ac/365,000cyds	--	RP 2517
7-13-77	--	*.93ac/9100cyds	--	RP 2407-Act
12-14-77	--	*.13ac/2600cyds	*105ft/380cyds	RP 2784
11-8-78	--	--	600ft/1500cyds	SP 1552
2-8-79	*.34ac/7278cyds	!100 lin.ft.	--	FP 2868
4-18-79	--	*6.6ac/90,000cyds	1200ft/6500cyds	RP 2997
9-18-79	--	.14ac/2000cyds	--	RP 3103
10-9-79	--	*1.1ac/15,000cyds	110ft/1000cyds	RP 3107
2-1-80	--	6000cyds	--	RP 3180
12-4-80	--	.14ac/1000cyds	30ft/300cyds	RF 3286
3-10-81	*.92ac/2500cyds	*.92ac/2500cyds	--	RF 3296
3-30-81	--	--	50ft/300cyds	SP 1781
4-10-81	--	--	140ft/310cyds	FP 3383
5-20-81	.14ac/14,500cyds (700 lin.ft.)	.04ac/8500cyds	!500ft	RF 3129
8-26-81	*.007ac/110cyds	.02ac/300cyds	--	RF 3420

TOTAL: 1.41 acres (see below) 2735 lin.ft.
Total removed: 39.62 acres/529,000cyds, + 100 lin.ft.

1983-1987

<u>Date</u>	<u>Fill</u>	<u>Removed</u>	<u>Riprap</u>	<u>Permit #</u>
4-1-83	--	--	280ft/600cyds	SP 2032-Act
5-13-83	--	--	410ft/360cyds	SP 2053-Act
12-9-83	.31ac/4907cyds	.62ac/4907cyds	--	RF 3852
11-26-84	subpipe	subpipe	16 lin.ft.	RF 3995
6-4-85	--	--	*485ft/300cyds	SP 2421
6-28-85	9.5ac/160,000cyds	--	--	FP 4175-Act
9-26-85	--	.19ac/700cyds	--	RP 4280
TOTAL: 9.81 acres; .81 acre/5607cyds; 1191 lin.ft.				

TOTALS FOR ESTUARY:

1971-1987: 23.62 acres; 57.13acres/815,809cyds + 100 ft.; 4276 lin.ft.

Key

Act - active

* - measurements are approximate.

- total area affected over the permitted years.

@ - area dredged from before revised permit

! - for mitigation

** - riprap amount undetermined

YUQUINIMY ESTUARINE ALTERATION PERMIT INFORMATION FILE 1968 TO 1987

PROJ. CODE	USL PERMIT NO.	YEAR ISSUED	COUNTY	WATERWAY	QUAD. MAP	TOWNSHIP, RANGE, SECTION	REMOVAL (CU YD)	DE-INCIN. AC.	FILL (CU YD)	FTLL IN.	RIFPROP (FEET)	RIFPROP (CU YD)	COMMENTS
YB-201	RF-339	1969	LINC	YUQUINIMY RIVER	YUQUINIMY	T11S,R11W,S9	150,000	6.6	150,000	9.3			UREIGE FOR SHIP CHANNEL
YB-202	RF-411	1970	LINC	YUQUINIMY RIVER	YUQUINIMY	R11S,R11W,S9	15,000	---	---	---			MAINTENANCE DREDGING
YB-203	RF-471	1970	LINC	YUQUINIMY RIVER	YUQUINIMY	T11S,R11W,S1P	4,100	0.26	---	---			BOAT BASIN & LAND FILL CREATION
YB-204	RF-495	1970	LINC	YUQUINIMY RIVER	YUQUINIMY	T11S,R11W,S9	70,000	2.6	70,000	2.1			DEEPEN BOAT MOORAGE
YB-205	RF-430	1971	LINC	YUQUINIMY RIVER	YUQUINIMY	T11S,R11W,S2P	---	0.46	---	---			MAINTENANCE DREDGING
YB-206	RF-610	1971	LINC	YUQUINIMY RIVER	YUQUINIMY	T11S,R11W,S2P	400	0.2	---	---			
YB-207	RF-675	1972	LINC	YUQUINIMY RIVER	YUQUINIMY	T11S,R11W,S22	3,700	0.48	---	---			BOAT LAUNCH DREDGING
YB-208	RF-535	1972	LINC	YUQUINIMY RIVER	YUQUINIMY	T11W,R11W,S8	20,000	---	---	---			MAINTENANCE DREDGING
YB-209	RF-822	1972	LINC	YUQUINIMY RIVER	YUQUINIMY	T11S,R11W,S18	5,000	---	---	---			MAINTENANCE DREDGING
YB-210	RF-533	1972	LINC	YUQUINIMY RIVER	YUQUINIMY	T11S,R11W,S0	750	0.37	---	---			MAINTENANCE DREDGING
YB-211	RF-675	1973	LINC	YUQUINIMY RIVER	YUQUINIMY	T11S,R11W,S22	---	---	---	---	250	500	BOAT RAMP CONST. & MAINTENANCE
YB-212	RF-1039	1973	LINC	YUQUINIMY RIVER	YUQUINIMY	T11S,R11W,S2P	5,000	2.46	---	---			MAINTENANCE DREDGING
YB-213	RF-1940	1975	LINC	YUQUINIMY RIVER	YUQUINIMY	T11S,R11W,7	---	---	2,046	0.32			RAISE LAND ELEVATION
YB-214	RF-2107	1975	LINC	YUQUINIMY RIVER	YUQUINIMY	T11S,R11W,S8	---	---	---	---	100	4,000	EROSION CONTROL
YB-215	RF-2134	1975	LINC	YUQUINIMY RIVER	YUQUINIMY	T11S,R11W,S7	400	2.6	---	---			MAINTENANCE DREDGING
YB-216	RF-1910	1975	LINC	YUQUINIMY RIVER	YUQUINIMY	T11S,R11W,S8	---	---	30,000	0.69			
YB-217	RF-2214	1976	LINC	YUQUINIMY RIVER	YUQUINIMY	T11S,R10W,S20	1,852	0.15	---	---			ACCESS TO MOORAGE
YB-218	RF-2711	1976	LINC	YUQUINIMY RIVER	YUQUINIMY	T11S,R11W,S9	5,000	0.26	---	---			MAINTENANCE DREDGING

YACUINI RAY CONTINUED.

PROJECT CODE	USL PERMIT NO.	YEAR ISSUED	COUNTY	WATERWAY	QUAD. MAP	TOWNSHIP, RANGE, SECTION	REMOVAL (CU YD)	PE MOBILE AC.	FILL (CU YD)	FILL (FEET)	RIFRIP (FEET)	RIFRIP (CU YD)	COMMENTS
YB2701	RP2592	1977	LINC	YACUINI RIVER	YACUINI	T11S,R11W,S9	27,000	4.6	---	---	---	---	MAINTENANCE DREDGING
YB2702	RP2517	1977	LINC	YACUINI RIVER	YACUINI	T11S,R11W,S8	365,000	25	---	---	---	---	MARINE CONSTRUCTION
YB2703	RP2417	1977	LINC	YACUINI RIVER	YACUINI	T11S,R11W,S16	9,100	0.93	---	---	---	---	MAINTENANCE DREDGING
YB2704	RP2784	1977	LINC	YACUINI RIVER	YACUINI	T11S,R11W,S8	2,600	0.13	---	---	105	380	CHANNEL & INTAKE CONSTRUCTION
YB2801	SP1552	1978	LINC	YACUINI RIVER	YACUINI	T11S,R11W,S17,18	---	---	---	---	600	1500	EROSION CONTROL
YB2901	FP2868	1979	LINC	YACUINI RIVER	YACUINI	T11S,R11W,S17	100 LIM FEET	---	7,278	0.34	---	---	CONST. PUBLIC PARK
YB2902	RP2937	1979	LINC	YACUINI RIVER	YACUINI	T11S,R11W,S22	90,000	6.6	---	---	1,200	6,500	MAINTENANCE DREDGING
YB2903	RP3103	1979	LINC	YACUINI RIVER	YACUINI	T11S,R11W,S18	2,000	0.14	---	---	---	---	DREDGING FOR LOG FLOAT RAMP
YB2904	RP3107	1979	LINC	YACUINI RIVER	YACUINI	T11S,R11W,S22	15,000	1.1	---	---	110	1,000	DREDGE SPOILS REMOVAL
YB8001	RP3180	1980	LINC	YACUINI RIVER	YACUINI	T11S,R11W,S18	6,000	---	---	---	---	---	MAINTENANCE DREDGING
YB8002	RF3286	1980	LINC	YACUINI RIVER	YACUINI	T11S,R11W,S20	1,000	0.14	---	---	30	300	BOAT RAMP CONST.
YB8101	RF3296	1981	LINC	YACUINI RIVER	YACUINI	T11S,R11W,S8	2,500	0.92	2,500	0.92	---	---	CLAM DREDGING
YB8102	SP1781	1981	LINC	YACUINI RIVER	YACUINI	T11S,R11W,S8	---	---	---	---	50	300	EROSION CONTROL
YB8103	FP3393	1981	LINC	YACUINI RIVER	YACUINI	T11S,R11W,S20	---	---	---	---	140	310	EROSION CONTROL & BOAT LAUNCH
YB8104	RF3129	1981	LINC	YACUINI RIVER	YACUINI	T11S,R11W,S9	8,500	0.04	14,500	0.92	500	---	PIER CONSTRUCTION
YB8105	RF3420	1981	LINC	YACUINI RIVER	YACUINI	T11S,R11W,S28	300	0.02	110	0.01	---	---	DUCK CONSTRUCTION
YB8301	SP2032	1983	LINC	YACUINI RIVER	YACUINI	T11S,R11W,S16	---	---	---	---	280	600	REPAIR CAUSEWAY
YB8302	SP2033	1983	LINC	YACUINI RIVER	YACUINI	T11S,R11W,S16	---	---	---	---	410	360	RIFRIP REPAIR
YB8303	3052	1983	LINC	YACUINI RIVER	YACUINI	T11S,R11W,S34	4,907	0.62	4,907	0.31	---	---	DREDGE CHANNEL & EXPAND OYSTER PLANT

YAOJING RAY CONTINUED.

PROJECT CODE	USL PERMIT NO.	YEAR ISSUED	COUNTY	WATERWAY	QUAD. MAP	TOWNSHIP, RANGE, SECTION	REMOVAL (CU YD)	RE- MOVAL AC.	FILL (CU YD)	FILL INC.	RIPRAP (FIELD)	RIPRAP (CU YD)	COMMENTS
YBJ401	RF-3935	1964	LINC	YAOJING RIVER	YAOJING	T11S,R10W, S20	1,400	---	1,200	---	16	---	PLACEMENT OF SUBTYPE
YBJ502	SP-421	1965	LINC	YAOJING RIVER	YAOJING	T11S,R11W, S16	---	---	---	---	485	300	EROSION CONTROL
YBJ503	FP-1175	1965	LINC	YAOJING RIVER	YAOJING	T11S,R10W, S20	---	---	160,000	9.5	---	---	CREATE SLUDGE DISPOSAL AREA
YBJ504	RP-4290	1965	LINC	YAOJING RIVER	YAOJING	T11S,R11W,S8	700	0.19	---	---	---	---	MAINTENANCE DREDGING

CUMULATIVE DATA SHEET

ESTUARY: Alsea Bay and River

AMOUNTS PERMITTED

1971-1976

<u>Date</u>	<u>Fill</u>	<u>Removed</u>	<u>Riprap</u>	<u>Permit #</u>
9-10-70	--	100ft/100cyds	--	RP 489
11-4-70	--	.62ac/2100cyds	--	RP 453
1-19-72	--	*.17ac/2500cyds	--	RF 665
6-2-72	--	*.56ac/8000cyds	--	RP 773
6-26-72	--	*.86ac/6500cyds	--	RF 721
12-3-73	--	7.8ac/3000cyds	--	RP 1074-Act
4-9-74	3.5ac/38,660cyds	1.0ac/8000cyds	1113ft/1000cyds	RF 1294
6-18-74	--	--	40ft/50cyds	SP 808
9-17-74	--	--	51ft/50cyds	SP 927
9-17-74	--	--	52ft/50cyds	SP 928
3-1-76	--	--	320ft/400cyds	SP 1139
8-10-76	--	--	100ft/120cyds	SP 1219

TOTAL: 3.5ac/38660cyds; (see below); 1676 lin.ft.

Amount removed: 11.01ac/30,200cyds + 100 lin.ft.

1977-1982

6-28-78	--	*.07ac/500cyds	--	RP 2874
7-14-78	--	--	70ft/120cyds	SP 1426
8-18-78	--	--	775ft/495cyds	SP 1468
10-16-78	--	--	600ft/2000cyds	SP 1529
9-27-82	--	.40ac/2500cyds	--	RP 3638
10-11-82	--	--	*163ft/480cyds	SP 1986

TOTAL:	0	.47ac/3000cyds	1608 lin.ft.
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1983-1987

6-9-83	--	--	1200ft/300cyds	SP 2088
6-9-83	--	--	300ft/150cyds	SP 2089
6-23-83	.04ac	** .04ac/170cyds	--	FP 3747
7-1-83	\$850ft/1500cyds	--	--	SP 2094
8-21-84	--	.25ac/4000cyds	1200ft/2400cyds	RF 4029
3-9-85	--	*.9ac/3000cyds	--	RP 680-Act
3-29-85	--	--	150ft/300cyds	SP 2390
8-7-85	.05ac/850cyds	+.01ac/150cyds	108ft.250cyds	FP 4194-Act

TOTAL:	.09ac/2350cyds/850ft;	1.2ac/7320cyds;	2958 lin.ft.
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TOTALS FOR ESTUARY:

1971-1987: 3.9acres/41,010cyds; 12.68 acres/40,520cyds + 100ft;
riprap: 6242 lin.ft.

Act - active permit.

* - measurements are approximate.

** - for mitigation marsh.

\$ - for dike repair.

+ - for mitigation.

IN SEA DRY ESTUARINE ALTERATION PERMIT INFORMATION FILE 1960 TO 1987.

PROJECT CODE	USL PERMIT NO.	YEAR ISSUED	COUNTY	WATERWAY	QUAD. MAP	TOWNSHIP, RANGE, SECTION	REMOVAL (CU YD)	RE- MOVAL AC.	FILL (CU YD)	FILL AC.	RI/RIP (RI/RIIP) (CU YD)	RI/RIP (RI/RIIP) (CU YD)	COMMENT'S
AB7001	RI 409	1970	LINC	ALSEA RIVER	WALDPORT	T135, R104, S32	100	---	---	---	---	---	WEDGE BOAT CHANNEL
AB7002	RI 453	1970	LINC	ALSEA RIVER	WALDPORT	T135, R114, S22	2,100	0.52	---	---	---	---	DEEPEN MOORAGE
AB7201	RI 665	1972	LINC	ALSEA RIVER	WALDPORT	T135, R114, S22	2,500	0.17	---	---	---	---	CLEAR BOAT MOORAGE
AB7202	RI 723	1972	LINC	ALSEA RIVER	WALDPORT	T135, R104, S31	8,000	0.56	---	---	---	---	FLOOD CONTROL
AB7203	RI 721	1972	LINC	ALSEA RIVER	WALDPORT	T135, R114, S20	6,500	0.06	6,500	1	---	---	---
AB7401	RI 1024	1973	LINC	ALSEA RIVER	WALDPORT	T135, R114, S22	3,000	7.8	---	---	---	---	WEDGE BOAT MOORAGE
AB7401	RI 1234	1974	LINC	ALSEA RIVER	WALDPORT	T135, R114, S28	8,000	1.0	38,660	3.5	1,113	1,000	DEEPEN MARINO
AB7402	SF 808	1974	LINC	ALSEA RIVER	WALDPORT	T135, R104, S28	---	---	---	---	40	50	EROSION CONTROL
AB7403	SF 927	1974	LINC	ALSEA RIVER	WALDPORT	T135, R104, S30	---	---	---	---	51	50	EROSION CONTROL
AB7404	SF 928	1974	LINC	ALSEA RIVER	WALDPORT	T135, R114, S30	---	---	---	---	52	50	EROSION CONTROL
AB7601	SP 1139	1976	LINC	ALSEA RIVER	WALDPORT	T135, R114, S30	---	---	---	---	320	400	EROSION CONTROL
AB7602	SP 1219	1976	LINC	ALSEA RIVER	WALDPORT	T135, R104, S30	---	---	---	---	100	120	EROSION CONTROL
AB7801	RP 2874	1978	LINC	ALSEA RIVER	WALDPORT	T135, R114, S26.27	500	0.07	---	---	---	---	MAINTENANCE DREDGING
AB7802	SP 1426	1978	LINC	ALSEA RIVER	WALDPORT	T135, R124, EPROR	---	---	---	---	70	120	EROSION CONTROL
AB7803	SP 1468	1978	LINC	ALSEA RIVER	WALDPORT	T135, R114, S24	---	---	---	---	775	495	EROSION CONTROL
AB7804	SP 1529	1978	LINC	ALSEA RIVER	WALDPORT	T135, R114, S19	---	---	---	---	600	2,000	EROSION CONTROL
AB7801	RP 1614	1982	LINC	ALSEA RIVER	WALDPORT	T135, R114, S22	2,500	0.4	---	---	---	---	MAINTENANCE DREDGING
AB7802	SP 1916	1982	LINC	ALSEA RIVER	WALDPORT	T135, R114, S19	---	---	---	---	163	480	EROSION CONTROL

ALSEA BAY (CONTINUED).

PROJECT CODE	USL FEC#11 NO.	YEAR ISSUED	COUNTY	WATERWAY	QUAD. MAP	TOWNSHIP, RANGE, SECTION	REMOVAL (CU YD)	RE- MOVAL (AC)	FILL (CU YD)	FILL (LN FT)	RIPRAP (FEET)	RIPRAP (CU YD)	COMMENTS
AB3302	SP2018	1963	LINC	ALSEA RIVER	WALDPURT	T14S,R12W,S2	---	---	---	---	1,200	300	REPAIR RIPRAP
AB3303	SP2019	1963	LINC	ALSEA RIVER	WALDPURT	T14S,R12W,S2	---	---	---	---	300	150	REPAIR RIPRAP
AB3304	SP2034	1963	LINC	ALSEA RIVER	WALDPURT	T13S,R10W,11N S20&30	---	---	1,400	850	---	---	DIKE MAINTENANCE
AB3401	RF4029	1964	LINC	ALSEA RIVER	WALDPURT	T13S,R11W, S20	4,000	0.25	2,400	---	1,200	2,000	EROSION CONTROL & MAINTENANCE DREDGING
AB3502	RF6030	1965	LINC	ALSEA BAY	WALDPURT	T13S,R11W, S22	3,000	0.9	---	---	---	---	MAINTENANCE DREDGING
AB3503	SP2390	1965	LINC	ALSEA BAY	WALDPURT	T13S,R11W, S20	---	---	---	---	150	300	EROSION CONTROL
AB3601	SP2626	1966	LINC	ALSEA BAY	WALDPURT	T13S,R11W, S19	---	---	---	---	270	1,600	EROSION CONTROL
AB3602	SP2637	1966	LINC	ALSEA BAY	WALDPURT	T13S,R11W, S20	---	---	---	---	120	285	EROSION CONTROL
AB3603	SP2662	1966	LINC	ALSEA BAY	WALDPURT	T13S,R11W, S18	---	---	---	---	42	600	EROSION CONTROL
AB3604	SP2623	1966	LINC	ALSEA BAY	WALDPURT	T13S,R12W, S24	---	---	---	---	301	190	EROSION CONTROL

CUMULATIVE DATA SHEET

ESTUARY: Siuslaw River

AMOUNTS PERMITTED

1971-1976

<u>Date</u>	<u>Fill</u>	<u>Removed</u>	<u>Riprap</u>	<u>Permit #</u>
7-27-73	--	--	75ft/95cyds	SP 728
8-21-73	--	--	150ft/300cyds	SP 739
1-14-74	--	--	100ft/200cyds	SP 753
2-26-75	--	--	320ft/8500cyds	RF 1871
4-9-75	--	500cyds	263ft/500cyds	FP 1772
5-1-75	--	.41ac/1800cyds	--	RP 1504
5-27-75	.05ac/20,000cyds (2112 lin.ft.)	--	--	FP 1931
8-21-75	--	.10ac/500cyds	--	RP 2091
8-29-75	--	--	112ft/78cyds	SP 1099
9-28-75	*1.9ac/10,370cyds	--	--	FP 1693
11-14-75	--	.90ac/3000cyds	--	RP 2183
10-6-76	--	--	300ft/2000cyds	RP 2435
11-29-76	*1.47ac (22600cyds**)	+.60ac/6600cyds	613ft	RF 2444

TOTAL: 3.42ac/52,970cyds; 2.01ac/12,400cyds; 1933 lin.ft.

1977-1982

7-11-77	--	--	120ft/75cyds	SP 1304
12-9-77	--	--	845ft/3000cyds	FP 2493
5-11-78	--	--	437ft/2000cyds	FP 2713
5-22-78	--	--	*280ft/500cyds	SP 1342
5-21-80	.07ac/200cyds	--	--	RF 3248
9-4-80	--	--	168ft/1300cyds	SP 1736
6-22-80	--	--	92ft/55cyds	SP 1696
5-13-81	--	.13ac/500cyds	--	RP 3360
5-13-81	--	*.44ac/1100cyds	--	RP 1830-1
6-29-81	--	1.6ac/8000cyds	--	RP 34060-Act
8-31-81	--	--	277ft/1100cyds	SP 1809
5-18-82	--	.52ac/2400cyds	--	RP 3572-Act
8-12-82	--	--	325ft/1400cyds	SP 1923

TOTAL: .07ac/200cyds; 2.69ac/12,000cyds; 2544 lin.ft.

1983-1987

3-23-84	--	--	79ft/460cyds	SP 2239
8-3-84	.07ac/750cyds	--	--	FP 3902
9-24-84	--	.13ac/400cyds	10ft/100cyds	RP 3884
12-20-84	--	--	50ft/480cyds	SP 2372
4-8-85	--	--	343ft/250cyds	SP 2391
8-5-86	--	*.22ac/2000cyds	--	RP 4422-Act
3-31-87	--	--	300ft/310cyds	SP 2680-Act
3-31-87	--	*1.9ac/9000cyds	--	RP 1830-2

TOTAL: .07ac/750cyds; 2.25ac/11,400cyds; 782 lin.ft.

TOTALS FOR ESTUARY:

1971-1987: 3.56ac/53,920cyds; 6.95ac/35,800cyds; 5259 lin.ft.

* - measurements are approximate.

Act - active permit.

** - amount placed in old channel.

+ - channel relocation.

Note: removal permit # 1830 has two parts, in that a different amount was permitted for two time periods.

STUFLAN RIVER FISHWATER ALTERATION PERMIT INFORMATION 1968 TO 1987.

PROJECT CODE	USL PERMIT NO.	YEAR ISSUED	COUNTY	WATERWAY	QUAD. MAP	TOWNSHIP, RANGE, SECTION	REMOVAL (CU YD)	REMOVAL (CU YD) AC.	FILL (CU YD)	FILL (CU YD) AC.	RIEPPAP (FEET)	RIEPPAP (CU YD)	COMMENTS
SUP301	51728	1973	LANE	STUFLAN RIVER		T105, R11N, S12					75	95	CONSL. OF PRIVATE RIVERBANK
SUP401	51713	1974	LANE	STUFLAN RIVER		T105, R11N, S12					100	200	EROSION CONTROL
SUP501	1671	1975	LANE	STUFLAN RIVER		T105, R10N, S10			8,500				HIGHWAY IMPROVEMENT
SUP502	1772	1975	LANE	STUFLAN RIVER		T105, R11N, S15	500				263	500	EROSION CONTROL
SUP503	1504	1975	LANE	STUFLAN RIVER		T105, R10N, S3	1,000	0.41					MAINTENANCE DREDGING
SUP504	1911	1975	LANE	STUFLAN RIVER		T105, R10N, S10 S14			20,000	0.5			ROAD IMPROVEMENT
SUP505	2031	1975	LANE	STUFLAN RIVER		T105, R10N, S11	500	0.1					MAINTENANCE DREDGING
SUP506	SP1079	1975	LANE	STUFLAN RIVER		T105, R10N, S9					112	78	EROSION CONTROL
SUP507	2037	1975	LANE	STUFLAN RIVER		T105, R11N, S20	4,000	0.95					MAINTENANCE DREDGING
SUP508	1633	1975	LANE	STUFLAN RIVER		T105, R12N, S24			10,730	1.9			LOD DUMP AREA IMPROVEMENT
SUP509	2183	1975	LANE	STUFLAN RIVER		T105, R12N, S19	3,000	0.9					MAINTENANCE DREDGING
SUP601	2435	1976	LANE	STUFLAN RIVER		T105, R12N, S34					300	2,000	EROSION CONTROL
SUP602	2414	1976	LANE	STUFLAN RIVER		T105, R10N, S17	6,600	0.6	22,600	1.47	613		ROAD IMPROVEMENT
SUP701	SP1314	1977	LANE	STUFLAN RIVER		T105, R12N, S34					120	75	EROSION CONTROL
SUP702	2433	1977	LANE	STUFLAN RIVER		T105, R12N, S25					815	3,000	EROSION CONTROL ROAD WIDENING
SUP703	2713	1978	LANE	STUFLAN RIVER		T105, R12N, S34					437	2,000	EROSION CONTROL
SUP704	SP1312	1978	LANE	STUFLAN RIVER		T105, R12N, S34					240	500	EROSION CONTROL
SUP801	3248	1980	LANE	STUFLAN RIVER		T105, R12N, S9			200	0.07			SANITARY COLLECTION PUMPS

STU-SLAM RIVER CONTINUED.

PROJECT CODE	USI PERMIT NO.	YEAR ISSUED	COUNTY	WATERWAY	QUAD. TWP	TOWNSHIP, RANGE, SECTION	REMOVAL CU YD	RE- MOVAL AC.	FILL CU YD	FILL AC.	RIPRAP (FEET)	RIPRAP (CU YD)	COMMENTS
SUB3002	SP1736	1980	LANE	STU-SLAM RIVER		T185, R11N, S11					168	1,300	EROSION CONTROL
SUB3003	SP1636	1980	LANE	STU-SLAM RIVER		T185, R11N, S11					92	65	EROSION CONTROL
SUB3101	3360	1981	LANE	STU-SLAM RIVER		T185, R10N, S11	500	0.13					MAINTENANCE DREDGING
SUB3102	1830	1981	LANE	STU-SLAM RIVER		T185, R12N, S34	1,100	0.44					MAINTENANCE DREDGING
SUB3103	3406	1981	LANE	STU-SLAM RIVER		T185, R12N, S35	8,000	1.6					MAINTENANCE DREDGING
SUB3104	1809	1981	LANE	STU-SLAM RIVER		T185, R12N, S05					217	1,100	EROSION CONTROL
SUB3201	3572	1982	LANE	STU-SLAM RIVER		T185, R10N, S9	2,400	0.52					MAINTENANCE DREDGING
SUB3202	SP1923	1982	LANE	STU-SLAM RIVER		T185, R12N, S05	108				325	1,500	EROSION CONTROL
SUB3401	SP2239	1984	LANE	STU-SLAM RIVER		T185, R12N, S23	125				79	460	EROSION CONTROL
SUB3402	3902	1984	LANE	STU-SLAM RIVER		T185, R12N, S9			760	0.07			EXPAND & REPAIR JETTY
SUB3403	3894	1984	LANE	STU-SLAM RIVER		T185, R11N, S12	400	0.13			10	100	EROSION CONTROL
SUB3404	SP2372	1984	LANE	STU-SLAM RIVER		T185, R12N, S34					50	480	EROSION CONTROL
SUB3501	SP2391	1985	LANE	STU-SLAM RIVER		T185, R12N, S34					343	250	EROSION CONTROL
SUB3601	4422	1986	LANE	STU-SLAM RIVER		T185, R10N, S2	2,000	0.22					MAINTENANCE DREDGING
SUB3701	SP2640	1987	LANE	STU-SLAM RIVER		T185, R12N, S34					300	310	EROSION CONTROL
SUB3702	1830	1987	LANE	STU-SLAM RIVER		T185, R12N, S34	9,000	1.9					MAINTENANCE DREDGING

CUMULATIVE DATA SHEET

ESTUARY: Umqua River

AMOUNTS PERMITTED

1971-1976

<u>Date</u>	<u>Fill</u>	<u>Removed</u>	<u>Riprap</u>	<u>Permit #</u>
11-10-67	--	73ac/400,000cyds	--	RP 43-Act
9-13-68	--	15,000cyds	--	RP 275
8-10-70	--	2970ft/7400cyds	--	RP 477
3-23-71	--	10,000cyds	--	RP 541
7-30-71	--	1500cyds	--	RP 587
8-6-71	--	+4.13ac/5000cyds	--	RP 590
6-2-72	4620ft/7500cyds	7500cyds	--	RF 716
11-10-72	1.4ac/47,000cyds	*62ac/300,000cyds	--	RF 826
6-1-73	--	1.1ac/20,000cyds	--	RP 1167-Act
6-1-73	--	10.3ac/35,000cyds	--	RP 1117-Act
5-10-74	--	.17ac/1500cyds	--	RP 1543
5-17-74	--	--	550ft/600cyds	SP 796
10-9-74	--	--	*100ft/150cyds	SP 948
6-16-75	.19ac/2500cyds	--	--	FP 1959
7-31-75	--	7500cyds	--	RP 2028-b
11-14-75	--	*.35ac	--	RP 2194
9-23-76	--	--	66ft/366cyds	SP 1230

TOTAL: 1.59ac + 4620ft./57,000cyds; 151.05ac + 2970ft./810,400cyds
Riprap: 716 lin.ft.

1977-1982

7-7-77	--	.30ac/8000cyds	--	RP 2658
9-22-78	--	--	210ft/300cyds	SP 1472
7-18-79	--	*1.6ac/10,000cyds	--	RP 3066
10-23-79	.35ac/7492cyds	!.30ac/4727cyds	125ft	RF 2961
		**10,000cyds		
12-13-79	--	--	400ft/1500cyds	SP 1688
1-31-80	*.25ac	.30ac/1500cyds	--	RF 3178
8-27-80	--	2.5ac/25,000cyds	--	RP 3238
4-26-82	--	--	495ft/2768cyds	SP 1874

TOTAL: .60ac/7492cyds; 5ac/59,242cyds; 1230 lin.ft.

1983-1987

7-1-83	2.5ac	\$1.25ac/20,000cyds	--	RF 3661-Act
	78,000cyds			
1-19-84	.02ac/938cyds	--	--	FP 3875-Act
2-22-84	.30/1150cyds	.50ac/4000cyds	600ft/570cyds	RF 3694
7-27-84	--	10ac/10,000cyds	--	RP 4005
4-24-85	--	*.77ac/3000cyds	--	RP 4139-Act
8-27-85	6.5ac/30,000cyds	!1ac/10,000cyds	--	FP 4095-Act
2-25-86	--	.20ac/1500cyds	--	RP 4287
8-12-86	--	*.60ac/3000cyds	--	RP 4436-Act
8-22-86	--	--	150ac/900cyds	SP 2581-Act
10-28-86	--	!!2.2ac	--	FP 4354-Act

TOTAL: 9.32ac/110,088cyds; 16.52ac/51,500cyds; 750 lin.ft.

TOTALS FOR ESTUARY:

1971-1987: filled--11.51ac + 4620 lin.ft./174,580cyds.
removed--172.57ac + 2970 lin.ft./921,142cyds.
riprap--2696 lin.ft.

+ - area affected.

* - measurements are approximate.

! - for mitigation.

** - maintenance dredging.

\$ - creation of intertidal salt marsh and subtidal flats for mitigation.

!! - mitigation for FP's 3447 and 3875.

Act - active permit.

ESTUARY: Smith River (Umqua tributary)

AMOUNTS PERMITTED

1971-1976

<u>Date</u>	<u>Fill</u>	<u>Removed</u>	<u>Riprap</u>	<u>Permit #</u>
12-8-72	--	.29ac/4000cyds	--	RP 941
12-29-75	--	--	44ft/400cyds	SP 1133
3-1-76	*.12ac/1000cyds	--	--	FP 2187
<u>TOTAL:</u>	.12ac/1000cyds;	.29ac/4000cyds;	44 lin.ft.	

1977-1982

7-15-81	--	--	*70ft/100cyds	FP 3416
8-27-81	.13ac/5000cyds	@.13ac	*200ft/1000cyds	FP 3456
10-6-81	.64ac/8000cyds	--	--	FP 3447-Act
<u>TOTAL:</u>	.77ac/13,000cyds;	.13ac;	270 lin.ft.	

1983-1987

3-22-83	--	--	177ft/114cyds	RF 3696
<u>TOTAL:</u>	0	0	177 lin.ft.	

TOTAL FOR ESTUARY:

1971-1987: .89ac/14,000cyds; .42ac/4000cyds; 491 lin.ft.

* - measurements are approximate.

@ - for mitigation.

Act - active permit.

TOTALS FOR ENTIRE UMQUA AREA ESTUARY:

1971-1987: filled: 12.4ac + 4620 lin.ft./188,580cyds.

removed: 172.99ac + 2970 lin.ft./925,142cyds.

riprap: 3187 lin.ft.

UNPQUA RIVER: ESTUARINE MAINTENANCE PERMIT INFORMATION FILE 1967 TO 1997.

PROJECT CODE	USL PERMIT NO.	YEAR ISSUED	COUNTY	WATERWAY	QUAD. MAP	TOWNSHIP, RANGE, SECTION	REMOVAL (CU YD)	RE. MOVAL (CU YD)	FILL (CU YD)	FILL (FEET)	REPAIR (CU YD)	COMMENTS
UR6701	43	1967	DOUG	UNPQUA RIVER	7	T22S, R10W, S6-8, S13-17	400,000	73				OBTAIN GRAVEL FOR RE SHALE
UR6801	275	1968	DOUG	UNPQUA RIVER	7	T22S, R10W, S24	15,000					OBTAIN GRAVEL FOR RORDS
UR7001	427	1970	DOUG	UNPQUA RIVER	7	T22S, R10W, S3	7,4000					MAINTENANCE DREDGING
UR7101	541	1971	DOUG	UNPQUA RIVER	7	T22S, R9W, S19	10,000					DREDGING FOR MATERIAL
UR7107	587	1971	DOUG	UNPQUA RIVER	REEDSPURT	T21S, R12W, S22	1,500					MAINTENANCE DREDGING
UR7103	590	1971	DOUG	UNPQUA RIVER	7	T22S, R9W, S7 & S18	5,000	4.13				REMOVE GRAVEL FOR RORDS
UR7103	590	1971	DOUG	UNPQUA RIVER	7	T22S, R9W, S7 & S18	5,000	4.13				REMOVE GRAVEL FOR RORDS
UR7201	715	1972	DOUG	UNPQUA RIVER	7	T22S, R11W, S3 & S4	7,500		7,500			DIVE ENLARGING
UR7202	826	1972	DOUG	UNPQUA RIVER	REEDSPURT	T21S, R12W, S25	300,000	52	47,000	1.4		DREDGE MATERIAL FOR CONSTRUCTION FILL
UR7203	941	1972	DOUG	SMITH RIVER	SCOTTIS	T21S, R11W, S3	4,000	0.29				BOAT BASIN DREDGING
UR7301	1167	1973	DOUG	UNPQUA RIVER	SCOTTIS	T21S, R12W, S15	20,000	1.1				MAINTENANCE DREDGING
UR7302	11178	1973	DOUG	UNPQUA RIVER	SCOTTIS	T21S, R12W, S22	35,000	10.3				MAINTENANCE DREDGING
UR7401	1543	1974	DOUG	UNPQUA RIVER	REEDSPURT	T21S, R11W, S22	1,500	0.17				MAINTENANCE DREDGING
UR7402	796	1974	DOUG	UNPQUA RIVER	REEDSPURT	T21S, R12W, S34				550	600	EROSION CONTROL
UR7403	548	1974	DOUG	UNPQUA RIVER	REEDSPURT	T22S, R10W, S24					150	EROSION CONTROL ON BOAT RAMP
UR7501	1919	1975	DOUG	UNPQUA RIVER	REEDSPURT	T21S, R12W, S35			2,500	0.19		CONSTRUCT CRUISEWAY TO INDUSTRIAL PARK
UR7507	20278	1975	DOUG	UNPQUA RIVER	REEDSPURT	T22S, R11W, S3 & S4	7,500					MAINTENANCE DREDGING

UNPOU RIVER CONTINUED.

PROJECT CODE	USA PERMIT NO.	YEAR ISSUED	COUNTY	WATERWAY	QUAD. MAP	TOWNSHIP, RANGE, SECTION	REMOVAL (CU YD)	RE-NOVAL (CU YD)	FILL (CU YD)	FILL (CU YD)	RIPRAP (CU YD)	REPAIR (CU YD)	COMMENTS
UR2505	2134	1975	DOUG	UNPOU RIVER	REEDSPORT	T225, R10N, S13		0.35					MAINTENANCE DREDGING
UR2504	SP1133	1975	DOUG	SALTH RIVER	REEDSPORT	T215, R12N, S26					14	400	EROSION CONTROL
UR2601	2187	1976	DOUG	SALTH RIVER	SCOTTIS	T215, R11N, S19			1,000	0.12			ROAD CONSTRUCTION
UR2602	SP1230	1976	DOUG	UNPOU RIVER	REEDSPORT	T215, R12N, S34					66	366	EROSION CONTROL
UR2701	2658	1977	DOUG	UNPOU RIVER	REEDSPORT	T225, R24N, S7 #518	8,000	0.3					MATERIAL FOR ROADS
UR2801	SP1472	1978	DOUG	UNPOU RIVER	REEDSPORT	T225, R11N, S47					210	300	EROSION CONTROL
UR2901	3046	1979	DOUG	UNPOU RIVER	REEDSPORT	T225, R10N, S45	10,000	1.6					MAINTENANCE DREDGING
UR2902	2961	1979	DOUG	UNPOU RIVER	REEDSPORT	T215, R12N, S22	14,727	0.3	7,432	0.35	125		MAINTENANCE DREDGING EXPANSION OF HILL
UR2903	SP1688	1979	DOUG	UNPOU RIVER	REEDSPORT	T215, R12N, S34	700				400	1,500	EROSION CONTROL
UR3001	3178	1980	DOUG	UNPOU RIVER	REEDSPORT	T215, R12N, S35	1,500	0.3		0.25			CONSTRUCT BOLT REPAIR HARP
UR3002	3238	1980	DOUG	UNPOU RIVER	REEDSPORT	T225, R24N, S13	25,000	2.5					OBTAIN GRAVEL FOR ROADS
UR3101	3416	1981	DOUG	SALTH RIVER	SCOTTIS	T215, R11N, S20					70	100	BRIDGE REPLACEMENT
UR3102	3456	1981	DOUG	SALTH RIVER	SCOTTIS	T215, R11N, S13		0.13	5,000	0.13	200	1,000	BRIDGE REPLACEMENT
UR3103	3447	1981	DOUG	SALTH RIVER	REEDSPORT	T215, R12N, S26		2.2	8,000	?			CONSTRUCTION & WASTE DISPOSAL
UR3201	SP1874	1982	DOUG	UNPOU RIVER	REEDSPORT	T225, R10N, S13	600				495	2,761	EROSION CONTROL
UR3301	3676	1983	DOUG	SALTH RIVER	SCOTTIS	T205, R11N, S35					177	114	BRIDGE REPLACEMENT
UR3302	3661	1983	DOUG	UNPOU RIVER	REEDSPORT	T215, R12N, S35	20,000	1.25	78,000	2.5			CONSTRUCT RAILROAD SPUR & REPAIR FAC.
UR3402	3075	1984	DOUG	UNPOU RIVER	REEDSPORT	T215, R12N, S22			938	0.02			HARP CONSTRUCTION
UR3502	3075	1984	DOUG	UNPOU RIVER	REEDSPORT	T215, R12N, S22	10,000	10					MAINTENANCE DREDGING

UNPQUA RIVER: CONTINUED.

PROJECT CODE	USL PERMIT NO.	YEAR ISSUED	COUNTY	WATERWAY	QUAD. MAP	TOWNSHIP, RANGE, SECTION	REMOVAL CCU YD	RE- MOVAL AC.	FILL CCU YD	FILL AC.	RIPRAP (FEET)	RIPRAP CCU YD	COMMENTS
UR8501	1139	1965	DOUG	UNPQUA RIVER	REEDSPORT	T215, R12N, S22	3,000	0.77					MAINTENANCE DREDGING
UR8602	1237	1966	DOUG	UNPQUA RIVER	REEDSPORT	T215, R12N, S35	1,500	0.2					MAINTENANCE DREDGING
UR8603	1136	1966	DOUG	UNPQUA RIVER	REEDSPORT	T225, R11N, S1	3,000	0.6					MAINTENANCE DREDGING
UR8604	SP-531	1966	DOUG	UNPQUA RIVER	REEDSPORT	T225, R10N, S23			600		150	400	EROSION CONTROL

COOS BAY

No Cumulative Data Sheet

COOS BAY ESTUARINE ALTERATION INFORMATION FILE 1968 TO 1987.

PROJECT CODE	USL PERMIT NO.	YEAR ISSUED	COUNTY	WATERWAY	QUAD. MAP	TOWNSHIP, RANGE, SECTION	REMOVAL (CU YD)	RE- MOVAL (AC)	FILL (CU YD)	FILL (AC)	RIPRAP (FEET)	RIPRAP (CU YD)	COMMENTS
CB*2001	483	1970	COOS	COOS BAY	?	1255, R13N, S15	20,000	2.0					MAINTENANCE DREDGING
CB*2001	544	1972	COOS	MILLICOM RIVER	?	1255, R11N, S9	15,000	6.5					MAINTENANCE DREDGING
CB*2002	700	1972	COOS	COOS BAY	?	1265, R14N, S2	10,000	24					MAINTENANCE DREDGING
CB*2003	634	1972	COOS	COOS BAY	?	1255, R13N, S25	6,000	0.55					MAINTENANCE DREDGING
CB*2004	613	1972	COOS	COOS BAY	?	1255, R13N, S1	4,280	1.5					MAINTENANCE DREDGING
CB*3001	1127	1973	COOS	COOS BAY	?	1255, R11N, S29 S18 S2	10,000	10					BRIDGE CONSTRUCTION
CB*3002	1060	1973	COOS	COOS BAY	?	1255, R12N, S35	350						BRIDGE CONSTRUCTION
CB*3003	1216	1973	COOS	COOS BAY	?	1265, R13N, S14	1,600	14					MAINTENANCE DREDGING
CB*3004	1224	1973	COOS	COOS BAY	?	1255, R13N, S10	6,000	0.8					MAINTENANCE DREDGING
CB*4001	543	1974	COOS	COOS BAY	?	1255, R11N, S29 S29	6,000	5.9					MAINTENANCE DREDGING
CB*4002	1363	1974	COOS	COOS BAY	?	1255, R13N, S14	10,000	2.9					MAINTENANCE DREDGING
CB*4003	1376	1974	COOS	COOS BAY	?	?	120,000	12					MAINTENANCE DREDGING
CB*4004	1774	1974	COOS	COOS BAY	?	1255, R13N, S15	2,500	0.29	2,500	0.59			STREAM CHANNEL RE-LOCATION
CB*5001	2018	1975	COOS	COOS BAY	?	1255, R12N, S29 S29	10,000	1.1					MAINTENANCE DREDGING
CB*5002	2111	1975	COOS	COOS BAY	?	1255, R13N, S10	80,000	8.6					MAINTENANCE DREDGING
CB*5003	2108	1975	COOS	COOS BAY	?	1255, R12N, S31 S 532					4.25	1,600	INSTALL BOAT RAMP
CB*6001	2262	1976	COOS	COOS BAY	?	1255, R13N, S13					115	700	REPLACE BRIDGE
CB*6002	SP1108	1976	COOS	COOS BAY	?	1255, R12N, S35					150	530	EROSION CONTROL

COOS BAY CONTINUED.

PROJECT CODE	ESL PERMIT NO.	YEAR ISSUED	COUNTY	WATERWAY	QUAD. MAP	TOWNSHIP, RANGE, SECTION	REMOVAL (CU YD)	RE- MOVAL (CU YD)	FILL (CU YD)	FILL (CU YD)	RIPRAP (CU YD)	REPAIR (CU YD)	COMMENTS
CB2701	SP1274	1977	COOS	COOS BAY	?	T24N,25S,R13W, S34N3					45,000	6,000	EROSION CONTROL
CB2702	2651	1977	COOS	COOS BAY	?	T25S,R13W,S26					5,900	0.18	EROSION CONTROL
CB2801	SP1374	1978	COOS	COOS BAY	?	T25S,R13W,S26					120	100	EROSION CONTROL
CB2802	SP1461	1978	COOS	COOS BAY	?	T26S,R14W,S2					210	1150	EROSION CONTROL
CB2901	28013	1979	COOS	COOS BAY	?	T25S,R13W,S41 S5	10,000	7			155	1,200	MAINTENANCE DREDGING
CB2902	30014	1979	COOS	COOS BAY	?	T25S,R13W,S22					155	1,200	EROSION CONTROL
CB2903	3028	1979	COOS	COOS BAY	?	T25S,R13W,S26			500	0.03			BULKHEAD INSTALLATION
CB2904	3042	1979	COOS	COOS BAY	?	T25S,R13W,S19	10,000	1.4					MAINTENANCE DREDGING
CB2905	3048	1979	COOS	COOS BAY	?	T25S,R13W,S22	15,000	0.66					MAINTENANCE DREDGING
CB8001	3220	1980	COOS	COOS BAY	?	T25S,R12W,S35 S536			200	0.08			BOAT RAMP CONSTRUCTION
CB8101	3418	1981	COOS	COOS BAY	?	T25S,R13W,S17			50	0.07	106	75	BOAT RAMP CONSTRUCTION
CB8102	3314	1981	COOS	COOS BAY	?	T25S,R13W,S9	270,000	24.2	11,000	0.04			DOCK CONSTRUCTION
CB8103	3403	1981	COOS	COOS BAY	?	T25S,R13W,S15	10,000	11			50	35	MAINTENANCE DREDGING
CB8104	SP1813	1981	COOS	COOS BAY	?	T25S,R13W,S22					50	35	EROSION CONTROL PIPE INSTALLATION
CB8105	3509	1981	COOS	COOS BAY	?	T25S,R14W,S36	200,000 1,800	95					COMMERCIAL CLAM HARVEST
CB8201	3613	1982	COOS	COOS BAY	?	T25S,R13W,S5		2.4	500,000	37			INDUSTRIAL FACILITY CONSTRUCTION
CB8202	3667	1982	COOS	COOS BAY	?	T25S,R13W,S22	1,400	0.46					MAINTENANCE DREDGING
CB8302	3616	1983	COOS	COOS BAY	?	T25S,R13W,S26	1,000	2.2					MAINTENANCE DREDGING
CB8303	SP2011	1983	COOS	COOS BAY	?	T25S,R13W,S10					450	745	EROSION CONTROL
CB8404	3011	1983	COOS	COOS BAY	?	T25S,R14W,S36	200		200				CLAM HARVEST

C005 BAY CONTINUED.														COMMERCIAL
PROJECT CODE	USL PERMIT NO.	YEAR ISSUED	COUNTY	WATERWAY	QUAD. MAP	TOWNSHIP, RANGE, SECTION	REMOVAL (CU YD)	REMOVAL AC.	FILL (CU YD)	FILL AC.	RIPRAP (FEET)	RIPRAP (CU YD)	COMMENTS	
CB3305	SP-1173	1983	C005	C005 BAY	?	T255, R13M, S2					150	200	ERUSION CONTROL	
CB3306	SP-1196	1983	C005	ISTHMUS SLOUGH	?	T255, R13M, S36					100	160	ERUSION CONTROL	
CB3403	3878	1983	C005	ISTHMUS SLOUGH	?	T255, R13M, S35	3,400	1.1					MAINTENANCE DREDGING	
CB3404	SP-2136	1984	C005	C005 BAY	?	T255, R12M, S31 S32					6,864	1,400	ERUSION CONTROL	
CB3405	1057	1984	C005	C005 BAY	?	T255, R13M, S5	10,000	0.21					BARGE SLIP CONST.	
CB3501	SP-3173	1985	C005	C005 BAY	?	T255, R13M, S35 S36					63	50	ERUSION CONTROL	
CB3603	1433	1986	C005	C005 BAY	?	T255, R13M, S1			500	0.07			INSTALL PIPELINE	
CB3604	1436	1986	C005	C005 BAY	?	T255, R13M, S19	500	0.09					MAINTENANCE DREDGING	
CB3605	1407	1986	C005	C005 BAY	?	T265, R13M, S27					90	170	BRIDGE REPLACEMENT	
CB3606	1517	1986	C005	C005 BAY	?	T265, R14M, S12	10,000	0.69					MAINTENANCE DREDGING	
CB3701	1345	1987	C005	C005 BAY	?	T265, R14M, S1			360	0.2			?	
CB3702	1512	1987	C005	C005 BAY	?	T255, R13M, S25	200,000	3					MAINTENANCE DREDGING	

C005 BAY CONTINUED.

COQUILLE RIVER

No Cumulative Data Sheet

COQUILLE RIVER EQUILIBRIUM INFORMATION PERMIT INFORMATION

PROJECT CODE	USA PLANT NO.	YEAR ISSUED	COUNTY	WATERWAY	QUAD. MAP	TOWNSHIP, RANGE, SECTION	REMOVAL (CU YD)	RE-THROWAL (CU YD)	FILL (CU YD)	FILL AC.	RETHROW (CU YD)	RETHROW (CU YD)	COMMENTS
C07001	422	1970	COOS	COQUILLE RIVER	BANDON	T295, R14M, S30	200		200		12	50	SEWER PIPE INSTALL.
C07101	582	1971	COOS	COQUILLE RIVER	BANDON	T295, R13M, S17	3,000	0.85					OBTAIN SAND & GRAVEL
C07201	890	1972	COOS	COQUILLE RIVER	BANDON	T285, R13M, S1	1,000	0.18					IMPROVE PUBLIC BOAT RAMP
C07202	1014	1972	COOS	COQUILLE RIVER	BANDON	T285, R14, S23	250	.006	.006				REPAIR EXISTING TIDE GATE
C07301	57	1973	COOS	COQUILLE RIVER	BANDON	T285, R14, S30	3,000						OBTAIN GRAVEL
C07401	57807	1974	COOS	COQUILLE RIVER	BANDON	T285, R14, S19					2,540	1,000	EROSION CONTROL
C07402	57893	1974	COOS	COQUILLE RIVER	BANDON	T285, R14, S23					600	993	EROSION CONTROL
C07501	1847	1975	COOS	COQUILLE RIVER	BANDON	T285, R14, S30	3,000	0.65					OBTAIN GRAVEL
C07502	1902	1975	COOS	COQUILLE RIVER	BANDON	T285, R13M, S1	100	0.03					MAINTENANCE DREDGING
C07503	2046	1975	COOS	COQUILLE RIVER	BANDON	T295, R13M, S30	12,000	22					MAINTENANCE DREDGING
C07504	2010	1975	COOS	COQUILLE RIVER	BANDON	T295, R14M, S19					2,050	9,200	RESTORE PARK RUNWAY
C07601	SP1160	1976	COOS	COQUILLE RIVER	BANDON	T295, R14M, S17					800	1,000	EROSION CONTROL
C07602	2505	1976	COOS	COQUILLE RIVER	BANDON	T295, R12M, S9							REMOVE SLIDE DEBRIS
C07801	2725	1977	COOS	COQUILLE RIVER	BANDON	T295, R13M, S22	50		20				BRIDGE REPLACEMENT
C07801	SP1540	1978	COOS	COQUILLE RIVER	BANDON	T295, R13M, S36					300	800	EROSION CONTROL
C07901	3047	1979	COOS	COQUILLE RIVER	BANDON	T295, R12M, S9	100		300		300	1,200	CONST. OF PUBLIC BOAT FACILITY
C08201	3047	1982	COOS	COQUILLE RIVER	BANDON	T295, R13M, S25	100,000	7.6					?
C08202	3542	1982	COOS	COQUILLE RIVER	BANDON	T295, R14M, S15	1,200	0.77	10,000	0.25			CONSTRUCTION OF BOWTHORNS

COQUILLE RIVER CONTINUED.

PROJCT CODE	USL PERMIT NO.	YEAR ISSUED	COUNTY	WATERWAY	QUAD. MAP	TOWNSHIP, RANGE, SECTION	REMOVAL (CU YD)	RE- MOVAL AC.	FILL (CU YD)	FILL AC.	RIPRAP (CU YD)	RIPRAP AC.	COMMENTS
C03301	SP1961	1963	COOS	COQUILLE RIVER	BRANDON	T295, R124, S8 S17 S520	2,000	0.4			320	500	EROSION CONTROL
C03302	3716	1963	COOS	COQUILLE RIVER	BRANDON	T295, R124, S8 S17 S520	23,742	5.9					EROSION CONTROL
C03303	SP2147	1963	COOS	COQUILLE RIVER	BRANDON	T295, R144, S18	57				1,300	2,315	EROSION CONTROL
C03505	4173	1965	COOS	COQUILLE RIVER	BRANDON	T285, R134, S1	597	0.05	140	0.1			BART RAMP
C03506	3436	1965	COOS	COQUILLE RIVER	BRANDON	T295, R144, S30 R154, S25	2,500	1.2					MAINTENANCE DREDGING
C03507	4095	1965	COOS	COQUILLE RIVER	BRANDON	T285, R134, S1	25,000		78,500	5	72	600	HIGHWAY & BRIDGE CONSTRUCTION
C03601	4430	1966	COOS	COQUILLE RIVER	BRANDON	T295, R134, S12	60	0.03			28	30	CONSTRUCTION OF INTAKE STRUCTURE
C03701	4378	1967	COOS	COQUILLE RIVER	BRANDON	T285, R134, S30	1,900	0.04	4,500		199	400	FORD REPAIR & BRIDGE REPLACEMENT

ROGUE RIVER

No Cumulative Data Sheet

ROGUE RIVER ESTUARINE ALTERATION PERMIT FILE 1968 TO 1987.

RG6801	196	1968	CURRY	ROJUE RIVER	T36S, R15W, S36	20,000	2.75		MAINTENANCE DREDGING
RG7001	470	1970	CURRY	ROJUE RIVER	T36S, R15W, S25 R14W, S30	100,000	220		COMMERCIAL GRAVEL EXCAVATION
RG7101	562	1971	CURRY	ROJUE RIVER	T36S, R15W, S23	220,000	50	6.2	PROTECTIVE BREAKWATER FOR BOAT BASIN
RG7201	462	1972	CURRY	ROJUE RIVER	T36S, R14W, S21	20,000			COMMERCIAL GRAVEL EXCAVATION
RG7202	481	1972	CURRY	ROJUE RIVER	T36S, R15W, S36 S46	100,000	98		MAINTENANCE DREDGING
RG7203	893	1972	CURRY	ROJUE RIVER	T36S, R14W, S16	20,000	90		MATERIAL FOR ROAD CONSTRUCT. & MAINT.

CUMULATIVE DATA SHEET

ESTUARY: Chetco River

AMOUNTS PERMITTED

1971-1976

<u>Date</u>	<u>Filled</u>	<u>Removed</u>	<u>Riprap</u>	<u>Permit #</u>
5-5-71	--	*.30ac/1000cyds	--	RP 556
2-18-72	--	*16.9ac/100,000cyds	--	RP 42-Act
6-19-72	--	43ac/3000cyds	--	RP 732
8-1-72	--	30,000cyds	--	RP 461
9-15-72	*3ac/737,000+	2.53ac/737,000cyds	--	RP 912
7-5-73	--	1ac/1500cyds	300ft/1500cyds	RF 1172
5-8-74	--	2.1ac/2000cyds	--	RP 1443-Act
7-3-74	--	1.6ac/50,000cyds	--	RP 1099-Act
4-28-75	--	!*15ac/5000cyds	--	RP 1961
5-1-75	--	--	*500ft/500cyds	SP 1063
9-22-75	--	--	500ft/2500cyds	SP 1102
6-17-76	--	10.2ac/75,000cyds	--	RP 2292-Act

TOTAL: 3ac/737,000cyds; 50.06ac/100,4500cyds; 1300 lin.ft.

1977-1982

7-8-77	--	--	660ft/700cyds	SP 1303
7-18-77	#.05ac/1700cyds	--	--	FP 2689
4-20-78	--	*3.7ac/3000cyds	--	RP 2834-Act
10-16-78	--	--	525ft/1800cyds	SP 1527
8-31-79	--	--	450ft/1800cyds	SP 1630
8-31-79	--	--	150ft/800cyds	SP 1631
8-15-80	--	\$.60ac/1000cyds	--	RP 3304
2-10-81	--	*.03ac/1500cyds	--	RP 2826
8-12-81	--	10.3ac/10,000cyds	--	RP 192-Act
8-27-81	--	.02ac/370cyds	100ft/625cyds	SP 1810
9-17-81	--	**10,000cyds	--	RP 3375-Act
4-27-82	.11ac/1000cyds	150cyds	*40ft/150cyds	RF 3564

TOTAL: .16ac/1800cyds; 14.62ac/26,020cyds; 1925 lin.ft.

1983-1987

<u>Date</u>	<u>Filled</u>	<u>Removed</u>	<u>Riprap</u>	<u>Permit #</u>
4-14-83	--	--	300ft/3000cyds	SP 2039
6-23-83	--	--	75ft/500cyds	SP 2071
9-14-84	--	--	800ft/890cyds	SP 2314-Act
5-30-86	--	.11ac/1000cyds	--	RP 4353-Act
11-10-86	--	--	600ft/770cyds	SP 2630-Act
<u>TOTAL:</u>	<u>0</u>	<u>.11ac/1000cyds</u>	<u>1775 lin.ft.</u>	

TOTAL FOR ENTIRE ESTUARY:

1971-1987: Filled: 3.16ac/738,800cyds
Removed: 64.79ac/103,1520cyds
Riprap: 5000 lin.ft.

- * - amounts are approximate
- Act - active permit
- + - 625,000cyds - 737,000cyds removed over life of permit
- ! - area affected
- # - .05ac is the area of intertidal fill; 1700cyds is amount of total fill
- \$ - channel change

CHETCO RIVER ESTUARINE ALTERATION INFORMATION

PROJECT CODE	USL PERMIT NO.	YEAR ISSUED	COUNTY	WATERWAY	QUAD. MAP	TOWNSHIP, RANGE, SECTION	REMOVAL (CU YD)	RE- MOVAL (AC)	FILL (CU YD)	FILL (AC)	RIPRAP (FEET)	RIPRAP (CU YD)	COMMENTS
CHP101	556	1971	CURRY	CHETCO RIVER		T40S, R13W, S34	1,000	0.3					MATERIAL FOR ROAD CONSTRUCT. & MAINT.
CHP201	42	1972	CURRY	CHETCO RIVER		T40S, R13W, S33	100,000	16.9					COMMERCIAL GRAVEL EXCAVATION
CHP202	732	1972	CURRY	CHETCO RIVER		T40S, R13W, S32	3,000	0.43					MAINTENANCE DREDGING
CHP203	461	1972	CURRY	CHETCO RIVER		T40S, R13W, S33	30,000						COMMERCIAL GRAVEL EXCAVATION
CHP204	912	1972	CURRY	CHETCO RIVER		T41S, R13W, S3 ERROR	625,000	2.53	625,000				MAINTENANCE DREDGING
CHP301	1172	1973	CURRY	CHETCO RIVER		T40S, R13W, S33	1,500	1			300	1,500	EROSION CONTROL
CHP401	RP1443	1974	CURRY	CHETCO RIVER		T41S, R13W, S9	2,000	2.1					MAINTENANCE DREDGING
CHP402	1039	1974	CURRY	CHETCO RIVER		T40S, R13W, S33	50,000	1.6					COMMERCIAL GRAVEL EXCAVATION
CHP501	1961	1975	CURRY	CHETCO RIVER		T40S, R13W, S34	5,000	15					COMMERCIAL GRAVEL EXCAVATION
CHP502	SP1063	1975	CURRY	CHETCO RIVER		T40S, R13W, S33					500	500	EROSION CONTROL
CHP503	SP1102	1975	CURRY	CHETCO RIVER		T40S, R13W, S33					500	2,500	FLOOD CONTROL
CHP601	2232	1976	CURRY	CHETCO RIVER		T40S, R13W, S33	75,000	10.2					COMMERCIAL GRAVEL EXCAVATION
CHP701	SP1303	1977	CURRY	CHETCO RIVER		T41S, R13W, S5					650	700	EROSION CONTROL
CHP702	2609	1977	CURRY	CHETCO RIVER		T41S, R13W, S5			1,700	0.05			LOADING WHARF CONST.
CHP801	2834	1978	CURRY	CHETCO RIVER		T41S, R13W, S5	3,000	3.7					MAINTENANCE DREDGING
CHP802	SP1527	1978	CURRY	CHETCO RIVER		T40S, R13W, S33					525	1,800	EROSION CONTROL
CHP901	SP1640	1979	CURRY	CHETCO RIVER		T40S, R13W, S34					450	1,800	EROSION CONTROL
CHP902	SP1641	1979	CURRY	CHETCO RIVER		T40S, R13W, S33					150	800	EROSION CONTROL

CHETCO RIVER CONTINUED.

PROJECT CODE	USL PERMIT NO.	YEAR ISSUED	COUNTY	WATERWAY	QUAD. MAP	TOWNSHIP, RANGE, SECTION	REMOVAL (CU YD)	RE- MOVAL AC.	FILL (CU YD)	FILL AC.	RIPRAP (FEET)	RIPRAP (CU YD)	COMMENTS
CH0001	3304	1980	CURRY	CHETCO RIVER		T40S,R13M,S34	1,000	0.6					RIVER DIVERSION
CH0101	2826	1981	CURRY	CHETCO RIVER		T41S,R13M,S5	1,500	0.03					GRAVEL FOR CONST.
CH0102	192	1981	CURRY	CHETCO RIVER		T40S,R13M,S32	10,000	10.3					COMMERCIAL GRAVEL EXCAVATION
CH0103	SP1810	1981	CURRY	CHETCO RIVER		T40S,R13M,S33	370	0.02			100	625	EROSION CONTROL
CH0104	3375	1981	CURRY	CHETCO RIVER		T40S,R13M,S34	10,000						COMMERCIAL GRAVEL EXCAVATION
CH0201	3554	1982	CURRY	CHETCO RIVER		T40S,R13M,S5	150		1,000	0.11	40	150	BULKHEAD CONSTRUCTION
CH0301	SP2039	1983	CURRY	CHETCO RIVER		T40S,R13M,S33					300	3,000	EROSION CONTROL
CH0302	SP2071	1983	CURRY	CHETCO RIVER		T40S,R13M,S34					75	500	EROSION CONTROL
CH0401	SP2314	1984	CURRY	CHETCO RIVER		T40S,R13M,S33					800	890	EROSION CONTROL
CH0601	4383	1986	CURRY	CHETCO RIVER		T41S,R13M,S3	1,000	0.11			800	890	MAINTENANCE DREDGING
CH0602	SP2630	1986	CURRY	CHETCO RIVER		T40,R13M,S34					600	770	EROSION CONTROL