



Columbia River Channel Improvement Project  
Final Supplemental Integrated Feasibility Report and Environmental Impact Statement

\*\*\*\*COLUMBIA RIVER COST SUMMARY\*\*\*\*

PROJECT: COLUMBIA RIVER CHANNEL IMPROVEMENT PROJECT - SPONSOR PLAN		DISTRICT: PORTLAND		1-Oct-02								
LOCATION: COLUMBIA RIVER, OR/WA		P.O.C.: PAT JONES, CHIEF, COST ENGINEERING SECTION										
CURRENT MCACES ESTIMATE PREPARED IN:		AUTHORIZ./BUDGET YEAR: 2000		FULLY FUNDED ESTIMATE								
EFFECTIVE PRICING LEVEL:		EFFECT. PRICING LEVEL: Oct-02										
ACCOUNT	FEATURE DESCRIPTION	COST (\$K)	CNTG (%)	OMB (%)	TOTAL (\$K)	OMB (%)	TOTAL (\$K)	FEATURE MID PT	OMB (%)	COST (\$K)	CNTG (%)	FULL (\$K)
09 - - -	COLUMBIA R. CHANNELS AND CANALS	71,241	15%	0.0%	81,972	0.0%	81,972		0.0%	79,565	11,983	91,548
06 - - -	ENVIRONMENTAL RESTORATION	7,562	25%	0.0%	9,452	0.0%	9,452		0.0%	8,413	2,103	10,517
	TOTAL CONSTRUCTION COSTS =====>	78,803	16%	0.0%	91,424	0.0%	91,424		0.0%	87,978	14,087	102,065
01 - - -	LANDS & DAMAGES (Disposal & Mitigation)	17,309	5%	0.0%	18,215	0.0%	18,215		0.0%	18,412	962	19,374
01 - - -	LANDS & DAMAGES (Envir. Restoration)	2,500	6%	0.0%	2,661	0.0%	2,661		0.0%	2,770	179	2,948
30 - - -	CR ENGINEERING & DESIGN	1,627	10%	0.0%	1,790	0.0%	1,790		0.0%	1,782	179	1,961
30 - - -	CR ENGINEERING DURING CONSTRUCTION	299	10%	0.0%	329	0.0%	329		0.0%	341	34	375
30 - - -	CR MONITORING & EVALUATION (GNF)	9,259	10%	0.0%	10,185	0.0%	10,185	Jan-06	13.4%	10,500	1,050	11,550
30 - - -	CR MONITORING & EVALUATION (Envir. Resto)	700	10%	0.0%	770	0.0%	770	Jan-06	13.4%	794	79	873
30 - - -	CR Water Quality	648	10%	0.0%	713	0.0%	713	Jan-06	13.4%	735	73	808
31 - - -	CR CONSTRUCTION MANAGEMENT	7,880	10%	0.0%	8,668	0.0%	8,668		0.0%	8,798	880	9,678
TOTAL COST =====>		119,025	13%	0.0%	134,754	0.0%	134,754		0.0%	132,109	17,523	149,632
UTILITY OWNER COST FOR UTILITY RELOCATIONS		0	0%	0.0%	0	0.0%	0		0.0%	0	0	0
NON-FEDERAL DREDGE COST TO BERTHS		843	0%	0.0%	843	0.0%	843	Jun-05	11.7%	942	0	942
TOTAL COST =====>		119,868	13%	0.0%	135,597	0.0%	135,597		0.0%	133,050	17,523	150,573

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\*\*\*\*WILLAMETTE RIVER COST SUMMARY\*\*\*\*

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PROJECT: COLUMBIA RIVER CHANNEL IMPROVEMENT PROJECT - SPONSOR PLAN		DISTRICT: PORTLAND		1-Oct-02								
LOCATION: COLUMBIA RIVER, ORWA		P.O.C.: PAT JONES, CHIEF, COST ENGINEERING SECTION		FULLY FUNDED ESTIMATE								
CURRENT MCACES ESTIMATE PREPARED IN:		AUTHORIZ./BUDGET YEAR: 2000										
EFFECTIVE PRICING LEVEL:		EFFECT. PRICING LEVEL: Oct 02										
ACCOUNT	FEATURE DESCRIPTION	COST (\$K)	CNTG (%)	OMB (%)	COST (\$K)	TOTAL (\$K)	CNTG (%)	OMB (%)	COST (\$K)	FEATURE MID PT	CNTG (%)	FULL (\$K)
09- - -	CHANNELS AND CANALS	17,998	2,880	16%	0.0%	20,878	16%	0.0%	17,998	2,880	20,878	30,147
	TOTAL CONSTRUCTION COSTS =====>	17,998	2,880	16%	0.0%	20,878	16%	0.0%	17,998	2,880	20,878	30,147
01 - - -	LANDS AND DAMAGES	0	0	0%	0.0%	0	0%	0.0%	0	0	0	0
30 - - -	ENGINEERING AND DESIGN	392	39	10%	0.0%	431	10%	0.0%	392	39	431	612
30 - - -	ENGINEERING DURING CONSTRUCTION	1,080	108	10%	0.0%	1,188	10%	0.0%	1,080	108	1,188	1,711
31 - - -	CONSTRUCTION MANAGEMENT	506	51	10%	0.0%	557	10%	0.0%	506	51	557	802
	TOTAL COST =====>	19,976	3,077	15%	0.0%	23,053	15%	0.0%	19,976	3,077	23,053	33,272
	UTILITY OWNER COST FOR UTILITY RELOCATIONS	11,948	1,195	10%	0.0%	13,143	10%	0.0%	11,948	1,195	13,143	18,663
	NONFEDERAL DREDGE COST TO BERTHS	523	0	0%	0.0%	523	0%	0.0%	523	0	523	755
	TOTAL COSTS	32,447	4,272			36,719			32,447	4,272	36,719	52,690

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*****COLUMBIA RIVER HOPPER COST SUMMARY*****														
PROJECT: COLUMBIA RIVER CHANNEL IMPROVEMENT PROJECT - SPONSOR PLAN		DISTRICT: PORTLAND		1-Oct-02		PAGE 1 OF 1								
LOCATION: COLUMBIA RIVER, ORWA		P.O.C.: PAT JONES, CHIEF, COST ENGINEERING SECTION		FULLY FUNDED ESTIMATE										
CURRENT MCACES ESTIMATE PREPARED IN:		AUTHORIZ./BUDGET YEAR: 2000		EFFECT. PRICING LEVEL: Oct 02										
EFFECTIVE PRICING LEVEL:		Oct-02		Oct-02										
ACCOUNT	NUMBER	FEATURE DESCRIPTION	COST (\$K)	CNTG (%)	CNTG (%)	TOTAL (\$K)	OMB (%)	COST (\$K)	CNTG (%)	TOTAL (\$K)	FEATURE MID PT	OMB (%)	COST (\$K)	FULL (\$K)
09- --		CHANNELS AND CANALS	21,844	15%	15%	25,121	0.0%	21,844	3,277	25,121	Jun-05	11.7%	24,400	28,060
		TOTAL CONSTRUCTION COSTS	21,844	15%	15%	25,121	0.0%	21,844	3,277	25,121		11.7%	24,400	28,060
01- --		LANDS AND DAMAGES	0	0%	0%	0	0.0%	0	0	0		0.0%	0	0
30- --		ENGINEERING AND DESIGN	200	10%	10%	220	0.0%	200	20	220	Dec-03	6.5%	213	234
30- --		ENGINEERING DURING CONSTRUCTION	36	10%	10%	40	0.0%	36	4	40	Jun-05	11.7%	40	44
31- --		CONSTRUCTION MANAGEMENT	2,184	10%	10%	2,403	0.0%	2,184	218	2,403	Jun-05	11.7%	2,440	2,684
		TOTAL COST =====>	24,264	15%	15%	27,783	0.0%	24,264	3,519	27,783		11.7%	27,093	31,022

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****COLUMBIA RIVER ROCK EXCAVATION COST SUMMARY****														
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PROJECT: COLUMBIA RIVER CHANNEL IMPROVEMENT PROJECT - SPONSOR PLAN			DISTRICT: PORTLAND						1-Oct-02					
LOCATION: COLUMBIA RIVER, OR/WA			P.O.C.: PAT JONES, CHIEF, COST ENGINEERING SECTION											
CURRENT MCAGES ESTIMATE PREPARED IN:			AUTHORIZ./BUDGET YEAR: 2000											
EFFECTIVE PRICING LEVEL:			EFFECT. PRICING LEVEL: Oct.02											
ACCOUNT NUMBER	FEATURE DESCRIPTION	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	OMB (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	FEATURE MID PT	OMB (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
09 ---	CHANNELS AND CANALS	17,184	2,578	15%	19,762	0.0%	17,184	2,578	19,762	Jun-05	11.7%	19,195	2,879	22,074
	TOTAL CONSTRUCTION COSTS =====>	17,184	2,578	15%	19,762	0.0%	17,184	2,578	19,762		11.7%	19,195	2,879	22,074
01 ---	LANDS AND DAMAGES	0	0	0%	0	0.0%	0	0	0		0.0%	0	0	0
30 ---	ENGINEERING AND DESIGN	225	23	10%	248	0.0%	225	23	248	Dec-03	6.5%	240	24	264
30 ---	ENGINEERING DURING CONSTRUCTION	38	4	10%	40	0.0%	36	4	40	Jun-05	11.7%	40	4	44
31 ---	CONSTRUCTION MANAGEMENT	1,718	172	10%	1,890	0.0%	1,718	172	1,890	Jun-05	11.7%	1,919	192	2,111
	TOTAL COST =====>	19,163	2,776	14%	21,939	0.0%	19,163	2,776	21,939		11.6%	21,394	3,099	24,493

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\*\*\*\*PIPELINE DREDGING COST SUMMARY\*\*\*\*

PROJECT: COLUMBIA RIVER CHANNEL IMPROVEMENT PROJECT - SPONSOR PLAN		DISTRICT: PORTLAND		1-Oct-02									
LOCATION: COLUMBIA RIVER, ORWA		P.O.C.: PAT JONES, CHIEF, COST ENGINEERING SECTION											
CURRENT MCACES ESTIMATE PREPARED IN:		AUTHORIZ./BUDGET YEAR: 2000		FULLY FUNDED ESTIMATE									
EFFECTIVE PRICING LEVEL:		EFFECT. PRICING LEVEL: Oct 02											
ACCOUNT		COST	CNTG	TOTAL	OMB	CNTG	TOTAL	OMB	CNTG	FULL			
NUMBER	FEATURE DESCRIPTION	(\$K)	(\$K)	(\$K)	(%)	(\$K)	(\$K)	(%)	(\$K)	(\$K)			
09-...	CHANNELS AND CANALS	31,776	4,766	36,542	15%	31,776	4,766	0.0%	31,776	4,766	36,542	5,324	40,818
	TOTAL CONSTRUCTION COSTS =====>	31,776	4,766	36,542	15%	31,776	4,766	0.0%	31,776	4,766	36,542	5,324	40,818
01-...	LANDS AND DAMAGES	14,558	591	14,558	4%	14,558	591	0.0%	14,558	591	15,149	629	16,134
30-...	ENGINEERING AND DESIGN	300	30	330	10%	300	30	0.0%	300	30	330	32	351
30-...	ENGINEERING DURING CONSTRUCTION	36	4	40	10%	36	4	0.0%	36	4	40	4	44
31-...	CONSTRUCTION MANAGEMENT	3,178	318	3,495	10%	3,178	318	0.0%	3,178	318	3,495	355	3,904
	TOTAL COST =====>	49,848	5,709	54,965	11%	49,848	5,709	1.1%	49,848	5,709	55,556	6,344	61,252

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\*\*\*\*COLUMBIA RIVER MITIGATION COST SUMMARY\*\*\*\*

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PROJECT: COLUMBIA RIVER CHANNEL IMPROVEMENT PROJECT - SPONSOR PLAN		DISTRICT: PORTLAND		1-Oct-02									
LOCATION: COLUMBIA RIVER, OR/WA		P.O.C.: PAT JONES, CHIEF, COST ENGINEERING BRANCH		FULLY FUNDED ESTIMATE									
CURRENT MCACES ESTIMATE PREPARED IN:		AUTHORIZ./BUDGET YEAR: 2000											
EFFECTIVE PRICING LEVEL:		EFFECT. PRICING LEVEL: Oct 02											
ACCOUNT	FEATURE DESCRIPTION	COST (\$K)	CNTG (%)	TOTAL (\$K)	OMB (%)	COST (\$K)	CNTG (%)	TOTAL (\$K)	FEATURE MID PT	OMB (%)	COST (\$K)	CNTG (%)	FULL (\$K)
09-...	CHANNELS AND CANALS	437	110 25%	547	0.0%	437	110 25%	547	Jul-04	9.1%	477	120	597
	TOTAL CONSTRUCTION COSTS =====>	437	110 25%	547	0.0%	437	110 25%	547		9.1%	477	120	597
01-...	LANDS AND DAMAGES	2,751	315 11%	3,066	0.0%	2,751	315 11%	3,066	Jul-03	5.7%	2,908	333	3,241
30-...	ENGINEERING AND DESIGN	150	15 10%	165	0.0%	150	15 10%	165	Jul-03	5.7%	159	16	174
30-...	ENGINEERING DURING CONSTRUCTION	18	2 10%	20	0.0%	18	2 10%	20	Jul-04	9.1%	20	2	22
31-...	CONSTRUCTION MANAGEMENT	44	4 10%	48	0.0%	44	4 10%	48	Jul-04	9.1%	48	5	52
	TOTAL COST =====>	3,400	446 13%	3,846	0.0%	3,400	446 13%	3,846		6.2%	3,610	476	4,086

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****COLUMBIA RIVER LOIS ISLAND DISPOSAL COST SUMMARY****														
PROJECT: COLUMBIA RIVER CHANNEL IMPROVEMENT PROJECT - SPONSOR PLAN										DISTRICT: PORTLAND				
LOCATION: COLUMBIA RIVER, OR/WA										P.O.C.: PAT JONES, CHIEF, COST ENGINEERING SECTION				
CURRENT MCACES ESTIMATE PREPARED IN: Oct-02										FULLY FUNDED ESTIMATE				
EFFECTIVE PRICING LEVEL: Oct-02										AUTHORIZ/BUDGET YEAR: 2000				
EFFECTIVE PRICING LEVEL:										EFFECT PRICING LEVEL: Oct-02				
ACCOUNT NUMBER	FEATURE DESCRIPTION	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	OMB (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	FEATURE MID PT	OMB (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
08---	ENVIRONMENTAL RESTORATION	0	0	25%	0	0.0%	0	0	0	Jun-05	11.7%	0	0	0
	TOTAL CONSTRUCTION COSTS =====>	0	0	#DIV/0!	0	0.0%	0	0	0		#DIV/0!	0	0	0
01---	LANDS AND DAMAGES	0	0	0%	0	0.0%	0	0	0			0	0	0
30---	ENGINEERING AND DESIGN	0	0	10%	0	0.0%	0	0	0	Dec-03	6.5%	0	0	0
30---	ENGINEERING AND DESIGN	0	0	10%	0	0.0%	0	0	0	Jun-05	11.7%	0	0	0
31---	CONSTRUCTION MANAGEMENT	0	0	10%	0	0.0%	0	0	0	Jun-05	11.7%	0	0	0
	TOTAL COST =====>	0	0	#DIV/0!	0	#DIV/0!	0	0	0		#DIV/0!	0	0	0



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\*\*\*\*\*COLUMBIA RIVER MILLAR-PILLAR COST SUMMARY\*\*\*\*\*

PROJECT: COLUMBIA RIVER CHANNEL IMPROVEMENT PROJECT - SPONSOR PLAN		DISTRICT: PORTLAND		1-Oct-02						
LOCATION: COLUMBIA RIVER, OR/WA		P.O.C.: PAT JONES, CHIEF, COST ENGINEERING SECTION		FULLY FUNDED ESTIMATE						
CURRENT MCACES ESTIMATE PREPARED IN:		AUTHORIZ./BUDGET YEAR: 2000								
EFFECTIVE PRICING LEVEL:		EFFECT. PRICING LEVEL: Oct.02								
ACCOUNT NUMBER	FEATURE DESCRIPTION	COST (\$K)	CNTG (%)	OMB (%)	COST (\$K)	TOTAL (\$K)	FEATURE MID PT	OMB (%)	COST (\$K)	FULL (\$K)
06---	ENVIRONMENTAL RESTORATION	0	25%	0.0%	0	0	Jan-06	13.4%	0	0
	TOTAL CONSTRUCTION COSTS =====>	0	#DIV/0!	0.0%	0	0		#DIV/0!	0	0
01---	LANDS AND DAMAGES	0	0%	0.0%	0	0		0.0%	0	0
30---	ENGINEERING AND DESIGN	0	10%	0.0%	0	0	Jul-04	8.2%	0	0
30---	ENGINEERING DURING CONSTRUCTION	0	10%	0.0%	0	0	Jan-06	13.4%	0	0
31---	CONSTRUCTION MANAGEMENT	0	10%	0.0%	0	0	Jan-06	13.4%	0	0
	TOTAL COST =====>	0	#DIV/0!	#DIV/0!	0	0		#DIV/0!	0	0

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*****COLUMBIA RIVER SHILLAPOO LAKE COST SUMMARY****														
PROJECT:		COLUMBIA RIVER CHANNEL IMPROVEMENT PROJECT - SPONSOR PLAN				DISTRICT: PORTLAND			1-Oct-02					
LOCATION:		COLUMBIA RIVER, OR/WA				P.O.C.: PAT JONES, CHIEF, COST ENGINEERING SECTION			FULLY FUNDED ESTIMATE					
CURRENT MCACES ESTIMATE PREPARED IN:		Oct-02				AUTHORIZ./BUDGET YEAR: 2000								
EFFECTIVE PRICING LEVEL:		Oct-02				EFFECT. PRICING LEVEL: Oct 02								
ACCOUNT NUMBER	FEATURE DESCRIPTION	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	OMB (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	FEATURE MID PT	OMB (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
06---	ENVIRONMENTAL RESTORATION	3,788	947	25%	4,735	0.0%	3,788	947	4,735	Jul-04	9.1%	4,133	1,033	5,166
	TOTAL CONSTRUCTION COSTS =====>	3,788	947	25%	4,735	0.0%	3,788	947	4,735		9.1%	4,133	1,033	5,166
01---	LANDS AND DAMAGES	0	0	0%	0	0.0%	0	0	0		0.0%	0	0	0
30---	ENGINEERING AND DESIGN	185	19	10%	204	0.0%	185	19	204	Jul-03	5.7%	196	20	215
30---	ENGINEERING DURING CONSTRUCTION	33	3	10%	36	0.0%	33	3	36	Jul-04	9.1%	36	4	40
31---	CONSTRUCTION MANAGEMENT	379	38	10%	417	0.0%	379	38	417	Jul-04	9.1%	413	41	455
	TOTAL COST =====>	4,385	1,007	23%	5,391	0.0%	4,385	1,007	5,391		9.0%	4,778	1,098	5,875

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****COLUMBIA RIVER LORDWALKER HUMPHISHER COST SUMMARY****													
PROJECT: COLUMBIA RIVER CHANNEL IMPROVEMENT PROJECT - SPONSOR PLAN				DISTRICT: PORTLAND				1-Oct-02					
LOCATION: COLUMBIA RIVER, OR/WA				P.O.C.: PAT JONES, CHIEF, COST ENGINEERING SECTION				FULLY FUNDED ESTIMATE					
CURRENT MCACES ESTIMATE PREPARED IN:				AUTHORIZ./BUDGET YEAR: 2000				EFFECT. PRICING LEVEL: Oct 02					
EFFECTIVE PRICING LEVEL:				OCT-02				OCT-02					
ACCOUNT NUMBER	FEATURE DESCRIPTION	COST (\$K)	CNTG (%)	TOTAL (\$K)	OMB (%)	COST (\$K)	CNTG (%)	TOTAL (\$K)	FEATURE MID PT	OMB (%)	COST (\$K)	CNTG (%)	FULL (\$K)
6 ---	ENVIRONMENTAL RESTORATION	44	25%	55	0.0%	44	11	55	Aug-04	9.1%	48	12	60
	TOTAL CONSTRUCTION COSTS =====>	44	25%	55	0.0%	44	11	55		9.1%	48	12	60
01 ---	LANDS AND DAMAGES	25	5%	26	0.0%	25	1	26	Aug-04	9.1%	27	1	29
30 ---	ENGINEERING AND DESIGN	25	10%	28	0.0%	25	3	28	Aug-03	5.7%	26	3	29
30 ---	ENGINEERING DURING CONSTRUCTION	5	10%	6	0.0%	5	1	6	Aug-04	9.1%	5	1	6
31 ---	CONSTRUCTION MANAGEMENT	4	10%	5	0.0%	4	0	5	Aug-04	9.1%	5	0	5
	TOTAL COST =====>	103	15%	119	0.0%	103	16	119		8.3%	112	17	129

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\*\*\*COLUMBIA RIVER TENASILLAHE INTERIM COST SUMMARY\*\*\* PAGE 1 OF 1

PROJECT: COLUMBIA RIVER CHANNEL IMPROVEMENT PROJECT - SPONSOR PLAN		DISTRICT: PORTLAND		1-Oct-02					
LOCATION: COLUMBIA RIVER, ORWA		P.O.C.: PAT JONES, CHIEF, COST ENGINEERING SECTION		FULLY FUNDED ESTIMATE					
CURRENT MCACES ESTIMATE PREPARED IN:		AUTHORIZ./BUDGET YEAR: 2000							
EFFECTIVE PRICING LEVEL:		EFFECT. PRICING LEVEL: Oct 02							
ACCOUNT		COST (\$K)	CNTG (%)	OMB (%)	FEATURE MID PT	OMB (%)	COST (\$K)	CNTG (%)	FULL (\$K)
06 - - -	ENVIRONMENTAL RESTORATION	933	25%	0.0%	Aug-04	9.1%	1,018	254	1,272
	TOTAL CONSTRUCTION COSTS =====>	933	25%	0.0%	Aug-04	9.1%	1,018	254	1,272
01 - - -	LANDS AND DAMAGES	0	0%	0.0%		0.0%	0	0	0
30 - - -	ENGINEERING AND DESIGN	368	10%	0.0%	Aug-03	5.7%	389	39	428
30 - - -	ENGINEERING DURING CONSTRUCTION	10	10%	0.0%	Aug-04	9.1%	11	1	12
31 - - -	CONSTRUCTION MANAGEMENT	93	10%	0.0%	Aug-04	9.1%	102	10	112
	TOTAL COST =====>	1,404	20%	0.0%		8.3%	1,520	305	1,824

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****COLUMBIA RIVER TENASILLAHE LONG-TERM COST SUMMARY****															
PROJECT: COLUMBIA RIVER CHANNEL IMPROVEMENT PROJECT - SPONSOR PLAN										DISTRICT: PORTLAND					
LOCATION: COLUMBIA RIVER, OR/WA										P.O.C.: PAT JONES, CHIEF, COST ENGINEERING SECTION					
CURRENT MCACES ESTIMATE PREPARED IN:										FULLY FUNDED ESTIMATE					
EFFECTIVE PRICING LEVEL:										AUTHORIZ./BUDGET YEAR: 2000					
EFFECTIVE PRICING LEVEL:										EFFECT. PRICING LEVEL: Oct.02					
ACCOUNT	NUMBER	FEATURE DESCRIPTION	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	OMB (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	FEATURE MID PT	OMB (%)	CO\$T (\$K)	CNTG (\$K)	FULL (\$K)
	06---	ENVIRONMENTAL RESTORATION	202	51	25%	253	0.0%	202	51	253	Aug-14	50.0%	303	76	379
		TOTAL CONSTRUCTION COSTS =====>	202	51	25%	253	0.0%	202	51	253		50.0%	303	76	379
	01---	LANDS AND DAMAGES	0	0	0%	0	0.0%	0	0	0			0	0	0
	30---	ENGINEERING AND DESIGN	144	14	10%	158	0.0%	144	14	158	Aug-13	45.0%	209	21	230
	30---	ENGINEERING DURING CNSTRUCTION	10	1	10%	11	0.0%	10	1	11	Aug-14	50.0%	15	2	17
	31---	CONSTRUCTION MANAGEMENT	20	2	10%	22	0.0%	20	2	22	Aug-14	50.0%	30	3	33
		TOTAL COST =====>	376	68	18%	444	0.0%	376	68	444		48.2%	557	101	658

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****COLUMBIA WHITE-TAILED DEER COST SUMMARY****														
PROJECT:		COLUMBIA RIVER CHANNEL IMPROVEMENT PROJECT - SPONSOR PLAN				DISTRICT: PORTLAND				1-Oct-02				
LOCATION:		COLUMBIA RIVER, OR/WA				P.O.C.: PAT JONES, CHIEF, COST ENGINEERING SECTION				FULLY FUNDED ESTIMATE				
CURRENT MCACES ESTIMATE PREPARED IN:		Oct-02				AUTHORIZ./BUDGET YEAR: 2000								
EFFECTIVE PRICING LEVEL:		Oct-02				EFFECT. PRICING LEVEL: Oct 02								
ACCOUNT NUMBER	FEATURE DESCRIPTION	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	OMB (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	FEATURE MID PT	OMB (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
06---	ENVIRONMENTAL RESTORATION	122	30	25%	152	0.0%	122	30	152	Jan-06	14.3%	139	35	174
	TOTAL CONSTRUCTION COSTS =====>	122	30	25%	152	0.0%	122	30	152		14.3%	139	35	174
01---	LANDS AND DAMAGES	2,475	160	6%	2,635	0.0%	2,475	160	2,635	Jan-05	10.8%	2,742	177	2,920
30---	ENGINEERING AND DESIGN	0	0	10%	0	0.0%	0	0	0		0.0%	0	0	0
30---	ENGINEERING DURING CONSTRUCTION	5	1	10%	6	0.0%	5	1	6	Jan-06	14.3%	6	1	6
31---	CONSTRUCTION MANAGEMENT	12	1	10%	13	0.0%	12	1	13	Jan-06	14.3%	14	1	15
	TOTAL COST =====>	2,614	192	7%	2,806	0.0%	2,614	192	2,806		11.0%	2,901	214	3,115

\*\*\*\*COLUMBIA RIVER PURPLE LOOSESTRIFE COST SUMMARY\*\*\*\*

PROJECT: COLUMBIA RIVER CHANNEL IMPROVEMENT PROJECT - SPONSOR PLAN		DISTRICT: PORTLAND		1-Oct-02											
LOCATION: COLUMBIA RIVER, OR/WA		P.O.C.: PAT JONES, CHIEF, COST ENGINEERING SECTION													
CURRENT MCACES ESTIMATE PREPARED IN:		AUTHORIZ./BUDGET YEAR: 2000		FULLY FUNDED ESTIMATE											
EFFECTIVE PRICING LEVEL:		EFFECT. PRICING LEVEL: Oct-02													
ACCOUNT NUMBER	FEATURE DESCRIPTION	COST (\$K)	CNTG (%)	NTNG (\$K)	TOTAL (\$K)	OMB (%)	COST (\$K)	CNTG (%)	NTNG (\$K)	TOTAL (\$K)	FEATURE MID PT	OMB (%)	COST (\$K)	CNTG (%)	FULL (\$K)
06---	ENVIRONMENTAL RESTORATION	1,036	25%	259	1,295	0.0%	1,036	25%	259	1,295	Jul-06	16.3%	1,205	301	1,506
	TOTAL CONSTRUCTION COSTS =====>	1,036	25%	259	1,295	0.0%	1,036	25%	259	1,295	Jul-06	16.3%	1,205	301	1,506
01---	LANDS AND DAMAGES	0	0%	0	0	0.0%	0	0%	0	0		0.0%	0	0	0
30---	ENGINEERING AND DESIGN	10	10%	1	11	0.0%	10	10%	1	11	Jul-03	5.7%	11	1	12
30---	ENGINEERING DURING CONSTRUCTION	100	10%	10	110	0.0%	100	10%	10	110	Jul-06	16.3%	116	12	128
31---	CONSTRUCTION MANAGEMENT	104	10%	10	114	0.0%	104	10%	10	114	Jul-06	16.3%	120	12	133
	TOTAL COST =====>	1,250	22%	280	1,530	0.0%	1,250	22%	280	1,530		16.2%	1,452	326	1,778

*Columbia River Channel Improvement Project  
Final Supplemental Integrated Feasibility Report and Environmental Impact Statement*

****COLUMBIA RIVER BACHELOR SLOUGH COST SUMMARY****													
PROJECT: COLUMBIA RIVER CHANNEL IMPROVEMENT PROJECT - SPONSOR PLAN		DISTRICT: PORTLAND								1-Oct-02			
LOCATION: COLUMBIA RIVER, OR/WA		P.O.C.: PAT JONES, CHIEF, COST ENGINEERING SECTION											
CURRENT MCACES ESTIMATE PREPARED IN JUN 02:		Oct-02		AUTHORIZ./BUDGET YEAR: 2000		EFFECT. PRICING LEVEL: Oct-02							
EFFECTIVE PRICING LEVEL:		Oct-02											
ACCOUNT NUMBER	FEATURE DESCRIPTION	COST (\$K)	CNTG (%)	TOTAL (\$K)	OMB (%)	COST (\$K)	CNTG (%)	TOTAL (\$K)	FEATURE MID PT	OMB (%)	COST (\$K)	CNTG (%)	FULL (\$K)
06---	ENVIRONMENTAL RESTORATION	1,437	25%	1,796	0.0%	1,437	359	1,796	Jul-04	9.1%	1,568	392	1,960
	TOTAL CONSTRUCTION COSTS =====>	1,437	25%	1,796	0.0%	1,437	359	1,796	Jul-04	9.1%	1,568	392	1,960
01---	LANDS AND DAMAGES	0	0%	0	0.0%	0	0	0			0	0	0
30---	ENGINEERING AND DESIGN	20	10%	22	0.0%	20	2	22	Jul-03	5.7%	21	2	23
30---	ENGINEERING DURING CONSTRUCTION	10	10%	11	0.0%	10	1	11	Jul-04	9.1%	11	1	12
31---	CONSTRUCTION MANAGEMENT	144	10%	158	0.0%	144	14	158	Jul-04	9.1%	157	16	172
	TOTAL COST =====>	1,611	23%	1,987	0.0%	1,611	377	1,987		9.1%	1,757	411	2,167



## October 2002 Price Level Fully Funded Cost Sharing Estimate

### Recommended Plan (\$1,000)

	Total
<b>General Navigation Features (GNF)-Cost Shared</b>	
Channel and Turning Basins	\$59,894
Rock	\$19,195
Mitigation Construction	\$477
Contingency	\$11,983
Engineering and Design	\$1,986
Supervision and Administration	\$8,752
Monitoring	\$11,550
<b>Total GNF</b>	<b>\$113,836</b>
<b>Non-Federal</b>	
Berths	\$942
LERRDs	\$19,374
Utilities (to be paid by the permit applicant)	\$0
	<b>\$20,316</b>

10% GNF = \$11,384 < LERRDs \$19,374 **No Extra 10%**

GNF  
 Federal = 75% GNF = \$113,836 x 0.75 = \$85,377.17  
 Non-Federal = 25% \$28,459 + \$20,316 = \$48,775.13

**Ecosystem Restoration** \$16,420 x

Federal = 65% = \$16,420 x 0.65 = \$10,673.21  
 Non-Federal = 35% = \$16,420 x 0.35 = \$5,747.11

Per Section 210 of WRDA 1996, the Non-Federal cost for ecosystem restoration projects is 35 percent of all construction costs, including LERRDs, and 100 percent of OMRR&R.

<b>Total Federal</b>	<b>\$85,377 + \$10,673</b>	<b>=</b>	<b>\$96,050</b>
<b>Total Non-Federal</b>	<b>\$48,775 + \$5,747</b>	<b>=</b>	<b>\$54,522</b>
			<b>\$150,573</b>

### Locally Preferred Disposal Plan (LPP) (\$1,000)

LLP Cost =	\$150,573	
Federal	\$96,050	NED Cap on Federal Interest
Non-Federal	\$54,523	

Non-Federal	\$54,523
Berths	\$942
Real Estate Already Owned	9649
Cash	\$43,932
State of Washington	\$21,966
State of Oregon	\$21,966

**October 2002 Price Level  
Uninflated Cost Sharing Estimate  
Recommended Plan (\$1,000)**

	Total
<b>General Navigation Features (GNF)-Cost Shared</b>	
Channel and Turning Basins	\$53,620
Rock	\$17,184
Mitigation Construction	\$437
Contingency	\$10,731
Engineering and Design	\$1,814
Supervision and Administration	\$7,837
Monitoring	\$10,185
<b>Total GNF</b>	<b>\$101,807</b>
<b>Non-Federal</b>	
Berths	\$843
LERRDs	\$18,215
Utilities (to be paid by the permit applicant)	\$0
	<b>\$19,058</b>

10% GNF = \$10,181 < LERRDs \$18,215      **No Extra 10%**

GNF			
Federal = 75% GNF =	\$101,807 x 0.75	=	\$76,355.18
Non-Federal = 25%	\$25,452 + \$19,058	=	\$44,509.73

<b>Ecosystem Restoration</b>				\$14,731
Federal =	65%	= \$14,731 x 0.65		\$9,575.33
Non-Federal =	35%	= \$14,731 x 0.35		\$5,155.95

Per Section 210 of WRDA 1996, the Non-Federal cost for ecosystem restoration projects is 35 percent of all construction costs, including LERRDs, and 100 percent of OMRR&R.

<b>Total Federal</b>	<b>\$76,355 + \$9,575</b>	<b>=</b>	<b>\$85,931</b>
<b>Total Non-Federal</b>	<b>\$44,510 + \$5,156</b>	<b>=</b>	<b>\$49,666</b>
			<b>\$135,596</b>

**Locally Preferred Disposal Plan (LPP) (\$1,000)**

LLP Cost =	\$135,597	
Federal	\$85,931	NED Cap on Federal Interest
Non-Federal	\$49,667	
Non-Federal	\$49,667	
Berths	\$843	
Real Estate Already Owned	9649	
Cash	\$39,175	
State of Washington	\$19,587	
State of Oregon	\$19,587	



**October 2003 Price Level  
Fully Funded Estimate Table S8-1  
Least Cost Disposal Plan (\$1,000)**

	Total
<b>General Navigation Features (GNF)-Cost Shared</b>	
Channel and Turning Basins	\$57,923
Rock	\$19,195
Mitigation Construction	\$477
Contingency	\$11,687
Engineering and Design	\$1,986
Supervision and Administration	\$8,535
Monitoring	\$11,550
<b>Total GNF</b>	<b>\$111,353</b>

**Non-Federal**

Berths	\$942
LERRDs	\$18,542
Utilities (to be paid by the permit applicant)	\$0
	<b>\$19,484</b>

10% GNF = \$11,135    < LERRDs \$18,542    **No Extra 10%**

**GNF**

Federal = 75% GNF =	\$111,353 x 0.75	=	\$83,514.54
Non-Federal = 25%	\$27,838 + \$19,484	=	\$47,322.01

**Ecosystem Restoration**

\$16,420

Federal =	65%	=	\$16,420	x	0.65	\$10,673.21
Non-Federal =	35%	=	\$16,420	x	0.35	\$5,747.11

Per Section 210 of WRDA 1996, the Non-Federal cost for ecosystem restoration projects is 35 percent of all construction costs, including LERRDs, and 100 percent of OMRR&R.

<b>Total Federal</b>	<b>\$83,515 + \$10,673</b>	<b>=</b>	<b>\$94,188</b>
<b>Total Non-Federal</b>	<b>\$47,322 + \$5,747</b>	<b>=</b>	<b>\$53,069</b>
			<b>\$147,257</b>

**Locally Preferred Disposal Plan (LPP) (\$1,000)**

LLP Cost =	\$150,573	
Federal	\$94,188	NED Cap on Federal Interest
Non-Federal	\$56,385	

Non-Federal	\$56,385
Berths	\$942
Real Estate Already Owned	9649
Cash	\$45,795
State of Washington	\$22,897
State of Oregon	\$22,897