

ERRATA SHEET
For
Columbia River Channel Improvement Project
Final Supplemental Integrated Feasibility Report
and
Environmental Impact Statement
February 11, 2003

1. REMOVE and REPLACE: In volume 1, Table of Contents, page i, with enclosed replacement page. The first paragraph changed and now reads that the 1999 Final IFR/EIS CD was provided with the draft SEIS.
2. REMOVE and REPLACE: In volume 1, Pages 8-1 and 8-2 with enclosed replacement pages.
3. REMOVE and REPLACE: In volume 3, Exhibit L, Cost Estimate Summary (Revised), Appendix A – Total Project Cost Summary (Corps Plan), Pages 1-3 and page 5-6 (Page 6 no longer exists and has been consolidated into page 5) with the enclosed replacement pages.
4. REMOVE and REPLACE: In volume 3, Exhibit L, Cost Estimate Summary Report (Revised), Appendix B – Total Project Cost Summary (Proposed Sponsors Plan), Pages 1-2 and page 11 with the enclosed replacement pages.

TABLE OF CONTENTS

This Final SEIS follows the same format as the 1999 Final IFR/EIS. For the Final SEIS, those sections that have been updated (^{revised}), or where new sections have been added (^{new}) are clearly marked. Also, a CD-ROM of the 1999 Final IFR/EIS was provided with the draft SEIS.

*COVER SHEET

*EXECUTIVE SUMMARY

*1.	^{revised} INTRODUCTION	1-1
1.1.	^{revised} Purpose and Need	1-9
1.1.1.	^{new} Purpose and Need for the Additional Ecosystem Restoration Features	1-9
1.2.	^{revised} Study Authority	1-9
1.3.	^{revised} Study Area	1-9
1.3.1.	^{new} Action Area	1-9
1.4.	^{revised} Scope of Study	1-10
1.4.1.	^{new} Ecosystem Restoration Features Developed During Consultation	1-10
1.5.	^{revised} Study Participants and Coordination	1-13
1.6.	Previous Studies	1-13
*2.	STUDY AREA DESCRIPTION	2-1
2.1.	^{revised} Existing Project Description	2-1
2.2.	Historic Channel Development	2-1
2.3.	^{revised} Navigation Practices	2-1
2.4.	^{revised} Channel Maintenance Practices	2-1
2.5.	^{revised} Summary of Environmental Conditions	2-1
3.	NEEDS AND OPPORTUNITIES	3-1
3.1.	^{revised} Introduction	3-1
3.2.	^{revised} Commodity Forecast	3-2
3.2.1.	^{revised} Containers	3-2
3.2.2.	^{revised} Wheat	3-3
3.2.3.	^{revised} Corn	3-5
3.2.4.	^{revised} Barley	3-5
3.2.5.	Alumina	3-6
3.2.6.	^{new} Soybeans	3-6
3.3.	^{revised} Fleet Forecast	3-7
3.3.1.	^{revised} Container Vessel Fleet	3-7
3.3.2.	^{revised} Bulk Carrier Fleet	3-8
3.3.2.1.	^{revised} Wheat	3-10
3.3.2.2.	^{revised} Corn	3-12
3.3.2.3.	^{revised} Barley	3-13
3.3.2.4.	^{revised} Alumina	3-13
3.3.2.5.	^{new} Soybeans	3-14
3.4.	^{revised} Future Port Development	3-14

NOTE: * Indicates information required for National Environmental Policy Act compliance.

8. PROJECT IMPLEMENTATION

8.1. Identification of Sponsors

No updating of the existing information in this section was necessary for the Final SEIS (see the Final IFR/EIS, August 1999).

8.2. ^{revised} Cost Allocation and Apportionment

For the Final SEIS, Table S8-1 was updated for the 43-foot Columbia River Channel Improvement Project.

Table S8-1. Executive Fully Funded Cost Summary

Least Cost Disposal Plan (in \$1,000s)	
General Navigation Features (GNF) - Cost Shared	Total
Channel and Turning Basins	\$55,438
Rock	\$19,195
Mitigation Construction	\$477
Contingency	\$12,486
Engineering and Design	\$1,758
Supervision and Administration	\$8,262
Monitoring	\$11,550
Total GNF	\$109,166
Non-Federal	
Local Service Facilities (LSF)	\$942
LERRD*	\$18,542
Utilities (to be paid by the permit applicant)	\$0
Total Non-Federal	\$19,484
10% GNF = \$10,917 < LERRD = \$18,542 No Extra 10%	
Navigation	
Federal Share (75% GNF = \$109,166 x 0.75)	\$81,874
Non-Federal Share (25% GNF + LERRD + LSF = \$25,955+\$19,484)	\$46,775
Ecosystem Restoration	\$16,420
Federal Share (65%)	\$10,673
Non-Federal Share (35%)	\$5,747
<i>Per Section 210 of WRDA 1996, the non-federal cost for ecosystem restoration projects is 35 percent of all construction costs, including LERRD, and 100 percent of OMRR&R**</i>	
Total Federal Cost (\$81,874+\$10,691)	\$92,547
Total Non-Federal (\$46,775+\$5,757)	\$52,522
TOTAL	\$145,070

*LERRD =lands, easements, rights-of-way, relocation, and disposal sites.

**OMRR&R = operation, maintenance, repair, replacement, and rehabilitation.

Table S8-1 (continued). Executive Fully Funded Cost Summary

Locally Preferred Disposal Plan (LPP) (Proposed Action, in \$1,000 - Effective Pricing Level, October 2002)		
LPP Cost	\$148,385	
Federal	\$92,547	\$NED Cap on Federal Investment
Non-Federal	\$54,838	
	Non-Federal	\$54,838
	Berths	\$ 942
	Real Estate Already Owned	\$ 9,649*
	Cash	\$44,248
	State of Washington	\$22,624
	State of Oregon	\$22,624

* Value from 1999 Final IFR/EIS

In addition, the non-federal sponsor would be responsible for \$15,569 per year to be provided to the Federal Government to cover incremental O&M costs for the Locally Preferred Disposal Plan.

8.3. Non-Federal Cost Sharing

No updating of the existing information in this section was necessary for the Final SEIS (see the Final IFR/EIS, August 1999).

8.4. Division of Responsibilities

No updating of the existing information in this section was necessary for the Final SEIS (see the Final IFR/EIS, August 1999).

8.5. Sponsor's Support

No updating of the existing information in this section was necessary for the Final FEIS (see the Final IFR/EIS, August 1999).

8.6. ^{revised} Implementation Process

The following updated information has been added to this section for the Final SEIS. Figure S8-1 has been replaced by Table S8-2 and shows the major milestones and assumptions for project implementation. The Draft SEIS was circulated for a 60-day public review and comment period. Three public meetings and one information meeting took place during this period. A technical panel review of the costs and benefits also occurred during the 60-day comment period. This Final SEIS is being circulated for a 30-day comment period. It is anticipated that a *Record of Decision* for the Final SEIS would be issued in spring 2003.

*****COLUMBIA RIVER CHANNEL IMPROVEMENT PROJECT TOTAL COST SUMMARY*****

PROJECT: COLUMBIA RIVER CHANNEL IMPROVEMENT PROJECT - CME UPDATE CORPS PLAN		DISTRICT: PORTLAND		P.O.C.: PAT JONES, CHIEF, COST ENGINEERING SECTION		1-04-02										
LOCATION: COLUMBIA RIVER, ORWA																
CURRENT MCACES ESTIMATE PREPARED IN: 02-02		AUTHORIZ./BUDGET YEAR: 2000		EFFECT. PRICING LEVEL: 02/02		FULLY FUNDED ESTIMATE										
EFFECTIVE PRICING LEVEL: 02-02																
ACCOUNT NUMBER	FEATURE DESCRIPTION	COST (\$K)	QNTG	CNTG (%)	TOTAL (\$K)	OMB (%)	COST (\$K)	QNTG	CNTG (%)	TOTAL (\$K)	FEATURE MID PT	OMB (%)	COST (\$K)	QNTG	CNTG (%)	FULL (\$K)
08----	COLUMBIA R. CHANNELS AND CANALS	56,756	8,557	15%	65,313	0.0%	56,756	8,557	15%	65,313			63,385	9,555	15%	72,941
08----	WILLAMETTE R. CHANNELS AND CANALS	17,986	2,880	16%	20,876	0.0%	17,986	2,880	16%	20,876			25,989	4,158	19%	30,147
08----	ENVIRONMENTAL RESTORATION	18,030	4,507	25%	22,537	0.0%	18,030	4,507	25%	22,537			20,137	5,034	22%	25,172
	TOTAL CONSTRUCTION COSTS <----->	92,784	15,944	17%	108,728	0.0%	92,784	15,944	17%	108,728			109,511	18,748	18%	128,259
01----	LANDS & DAMAGES (Disposal & Mitigation)	16,574	862	5%	17,436	0.0%	16,574	862	5%	17,436			17,627	918	5%	18,542
01----	LANDS & DAMAGES (Envt. Restoration)	2,500	160	6%	2,660	0.0%	2,500	160	6%	2,660			2,742	179	7%	2,921
30----	CR ENGINEERING & DESIGN	2,097	210	10%	2,307	0.0%	2,097	210	10%	2,307			2,287	229	10%	2,518
30----	CR ENGINEERING DURING CONSTRUCTION	319	32	10%	351	0.0%	319	32	10%	351			383	38	11%	399
30----	CR MONITORING & EVALUATION (GNF)	9,259	926	10%	10,185	0.0%	9,259	926	10%	10,185	Jan-06	13.4%	10,500	1,050	10%	11,550
30----	CR MONITORING & EVALUATION (Envt. Restoration)	700	70	10%	770	0.0%	700	70	10%	770	Jan-06	13.4%	794	79	10%	873
30----	WR ENGINEERING AND DESIGN	392	39	10%	431	0.0%	392	39	10%	431			557	56	13%	612
30----	WR ENGINEERING DURING CONSTRUCTION	1,080	108	10%	1,188	0.0%	1,080	108	10%	1,188			1,556	156	13%	1,711
31----	CR CONSTRUCTION MANAGEMENT	7,479	748	10%	8,226	0.0%	7,479	748	10%	8,226			8,352	834	10%	9,186
31----	WR CONSTRUCTION MANAGEMENT	506	51	10%	557	0.0%	506	51	10%	557			729	73	13%	802
	TOTAL COST <----->	133,639	19,149	14%	152,838	0.0%	133,639	19,149	14%	152,838			155,017	22,355	15%	177,371
	UTILITY OWNER COST FOR UTILITY RELOCATIONS	11,948	1,195	10%	13,143		11,948	1,195	10%	13,143	Nov-12	42.0%	16,906	1,697	13%	18,603
	NON-FEDERAL DREDGE COST TO BERTHS	1,365	0	0%	1,365		1,365	0	0%	1,365			1,697	0	0%	1,697
	TOTAL COST <----->	147,003	20,344	14%	167,347	0.0%	147,003	20,344	14%	167,347			173,690	24,051	14%	197,731

APPROVED

James J. Jones
CHIEF, ENGINEERING AND CONSTRUCTION DIVISION

CHIEF, PLANNING, PROGRAMS AND PROJECT MANAGEMENT DIVISION
CHIEF, COST ENGINEERING SECTION

Original Approval Date: JAN 14 2003 / Errata approval date: FEB 11 2003

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

****COLUMBIA RIVER COST SUMMARY****										PAGE 1 OF 1				
PROJECT: COLUMBIA RIVER CHANNEL IMPROVEMENT PROJECT - CWE UPDATE CORPS 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: Oct-02					AUTHORIZ./BUDGET YEAR: 2000					FULLY FUNDED ESTIMATE				
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)
09- - -	COLUMBIA R. CHANNELS AND CANALS	56,756	8,557	15%	65,313	0.0%	56,756	8,557	65,313			63,385	9,555	72,941
06- - -	ENVIRONMENTAL RESTORATION	18,030	4,507	25%	22,537	0.0%	18,030	4,507	22,537			20,137	5,034	25,172
	TOTAL CONSTRUCTION COSTS =====>	74,786	13,065	17%	87,850	0.0%	74,786	13,065	87,850			83,522	14,590	98,112
01 - - -	LANDS & DAMAGES (Disposal & Mitigation)	16,574	862	5%	17,436	0.0%	16,574	862	17,436			17,627	916	18,542
01 - - -	LANDS & DAMAGES (Envir. Restoration)	2,500	160	6%	2,660	0.0%	2,500	160	2,660			2,770	179	2,948
30 - - -	CR ENGINEERING & DESIGN	2,097	210	10%	2,307	0.0%	2,097	210	2,307			2,287	229	2,516
30 - - -	CR ENGINEERING DURING CONSTRUCTION	319	32	10%	351	0.0%	319	32	351			363	36	399
30 - - -	CR MONITORING & EVALUATION (GNF)	9,259	926	10%	10,185	0.0%	9,259	926	10,185	Jan-06	13.4%	10,500	1,050	11,550
30 - - -	CR MONITORING & EVALUATION (Envir. Restoration)	700	70	10%	770	0.0%	700	70	770	Jan-06	13.4%	794	79	873
31 - - -	CR CONSTRUCTION MANAGEMENT	7,479	748	10%	8,226	0.0%	7,479	748	8,226			8,352	834	9,187
TOTAL COST =====>		113,713	16,072	14%	129,785	0.0%	113,713	16,072	129,785		11.1%	126,215	17,912	144,128
UTILITY OWNER COST FOR UTILITY RELOCATIONS		0	0	0%	0		0	0	0			0	0	0
NON-FEDERAL DREDGE COST TO BERTHS		843		0%	843		843	0	843	Jun-05	11.7%	942	0	942
TOTAL COST =====>		114,556	16,072	14%	130,628	0.0%	114,556	16,072	130,628		11.1%	127,156	17,912	145,070

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

****COLUMBIA RIVER COST SUMMARY OF CONTRACTS INCLUDED IN BCR****										PAGE 1 OF 1				
PROJECT: COLUMBIA RIVER CHANNEL IMPROVEMENT PROJECT - CWE UPDATE CORPS 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: Oct-02					AUTHORIZ./BUDGET YEAR: 2000					FULLY FUNDED ESTIMATE				
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)
09- - -	COLUMBIA R. CHANNELS AND CANALS	56,756	8,557	15%	65,313	0.0%	56,756	8,557	65,313			63,385	9,555	72,941
06- - -	ENVIRONMENTAL RESTORATION	10,468	2,617	25%	13,085	0.0%	10,468	2,617	13,085			11,724	2,931	14,655
	TOTAL CONSTRUCTION COSTS =====>	67,224	11,174	17%	78,398	0.0%	67,224	11,174	78,398			75,109	12,486	87,596
01- - -	LANDS & DAMAGES (Disposal & Mitigation)	16,574	862	5%	17,436	0.0%	16,574	862	17,436			17,627	916	18,542
01- - -	LANDS & DAMAGES (Envir. Restoration)	0	0	0%	0	0.0%	0	0	0			0	0	0
30- - -	CR ENGINEERING & DESIGN	1,345	135	10%	1,480	0.0%	1,345	135	1,480			1,436	144	1,579
30- - -	CR ENGINEERING DURING CONSTRUCTION	146	15	10%	161	0.0%	146	15	161			163	16	179
30- - -	CR MONITORING & EVALUATION (GNF)	9,259	926	10%	10,185	0.0%	9,259	926	10,185	Jan-06	13.4%	10,500	1,050	11,550
31- - -	CR CONSTRUCTION MANAGEMENT	6,722	672	10%	7,395	0.0%	6,722	672	7,395			7,511	751	8,262
TOTAL COST =====>		101,270	13,783	14%	115,054	0.0%	101,270	13,783	115,054		11.0%	112,345	15,363	127,708
UTILITY OWNER COST FOR UTILITY RELOCATIONS		0	0	0%	0		0	0	0			0	0	0
NON-FEDERAL DREDGE COST TO BERTHS		843		0%	843		843	0	843	Jun-05	11.7%	942	0	942
TOTAL COST =====>		102,113	13,783	13%	115,897	0.0%	102,113	13,783	115,897		11.0%	113,287	15,363	128,650

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

	Total
General Navigation Features (GNF)-Cost Shared	
Channel and Turning Basins	\$55,438
Rock	\$19,195
Mitigation Construction	\$477
Contingency	\$12,486
Engineering and Design	\$1,758
Supervision and Administration	\$8,262
Monitoring	\$11,550
Total GNF	\$109,166

Non-Federal

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

10% GNF = \$10,917 < LERRDs \$18,542 **No Extra 10%**

GNF

Federal = 75% GNF =	$\$109,166 \times 0.75$	=	\$81,874.25
Non-Federal = 25%	$\$27,291 + \$19,484$	=	\$46,775.25

Ecosystem Restoration

\$16,420

Federal =	65%	=	$\$16,420 \times 0.65$	\$10,673.21
Non-Federal =	35%	=	$\$16,420 \times 0.35$	\$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.

Total Federal	\$81,874 + \$10,673	=	\$92,547	
Total Non-Federal	\$46,775 + \$5,747	=	\$52,522	
			\$145,070	\$0.00

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

LLP Cost =	\$148,385	
Federal	\$92,547	NED Cap on Federal Interest
Non-Federal	\$55,838	

Non-Federal	\$55,838
Berths	\$942
Real Estate Already Owned	\$9,649
Cash	\$45,248
State of Washington	\$22,624
State of Oregon	\$22,624

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

****COLUMBIA RIVER COST SUMMARY****											PAGE 1 OF 1			
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: Oct-02						AUTHORIZ./BUDGET YEAR: 2000				FULLY FUNDED ESTIMATE				
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)	FEATUR MID PT	OMB (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
09- - -	COLUMBIA R. CHANNELS AND CANALS	58,520	8,822	15%	67,342	0.0%	58,520	8,822	67,342			65,355	9,852	75,207
06- - -	ENVIRONMENTAL RESTORATION	18,029	4,507	25%	22,536	0.0%	18,029	4,507	22,536			20,136	5,034	25,170
	TOTAL CONSTRUCTION COSTS =====>	76,549	13,330	17%	89,878	0.0%	76,549	13,330	89,878			85,492	14,886	100,377
01 - - -	LANDS & DAMAGES (Disposal & Mitigatic	17,309	906	5%	18,215	0.0%	17,309	906	18,215			18,412	962	19,374
01 - - -	LANDS & DAMAGES (Envir. Restoration)	2,500	160	6%	2,660	0.0%	2,500	160	2,660			2,770	179	2,948
30 - - -	CR ENGINEERING & DESIGN	2,097	210	10%	2,307	0.0%	2,097	210	2,307			2,287	229	2,517
30 - - -	CR ENGINEERING DURING CONSTRUC	319	32	10%	351	0.0%	319	32	351			363	36	399
30 - - -	CR MONITORING & EVALUATION (GNF)	9,259	926	10%	10,185	0.0%	9,259	926	10,185	Jan-06	13.4%	10,500	1,050	11,550
30 - - -	CR MONITORING & EVALUATION (Envir.	700	70	10%	770	0.0%	700	70	770	Jan-06	13.4%	794	79	873
31 - - -	CR CONSTRUCTION MANAGEMENT	7,655	765	10%	8,420	0.0%	7,655	765	8,420			8,549	855	9,404
TOTAL COST =====>		116,387	16,399	14%	132,786	0.0%	116,387	16,399	132,786		11.0%	129,166	18,277	147,443
UTILITY OWNER COST FOR UTILITY RELOCATIONS		0	0	0%	0		0	0	0			0	0	0
NON-FEDERAL DREDGE COST TO BERTHS		843		0%	843		843	0	843	Jun-05	11.7%	942	0	942
TOTAL COST =====>		117,230	16,399	14%	133,629	0.0%	117,230	16,399	133,629		11.0%	130,108	18,277	148,385

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

****COLUMBIA RIVER COST SUMMARY****											PAGE 1 OF 1			
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: Oct-02						AUTHORIZ./BUDGET YEAR: 2000				FULLY FUNDED ESTIMATE				
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)	FEATUR MID PT	OMB (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
09- - -	COLUMBIA R. CHANNELS AND CANALS	58,520	8,822	15%	67,342	0.0%	58,520	8,822	67,342			65,355	9,852	75,207
06- - -	ENVIRONMENTAL RESTORATION	18,029	4,507	25%	22,536	0.0%	18,029	4,507	22,536			20,136	5,034	25,170
	TOTAL CONSTRUCTION COSTS =====>	76,549	13,330	17%	89,878	0.0%	76,549	13,330	89,878			85,492	14,886	100,377
01 - - -	LANDS & DAMAGES (Disposal & Mitigatic	17,309	906	5%	18,215	0.0%	17,309	906	18,215			18,412	962	19,374
01 - - -	LANDS & DAMAGES (Envir. Restoration)	2,500	160	6%	2,660	0.0%	2,500	160	2,660			2,770	179	2,948
30 - - -	CR ENGINEERING & DESIGN	2,097	210	10%	2,307	0.0%	2,097	210	2,307			2,287	229	2,517
30 - - -	CR ENGINEERING DURING CONSTRUC	319	32	10%	351	0.0%	319	32	351			363	36	399
30 - - -	CR MONITORING & EVALUATION (GNF)	9,259	926	10%	10,185	0.0%	9,259	926	10,185	Jan-06	13.4%	10,500	1,050	11,550
30 - - -	CR MONITORING & EVALUATION (Envir.	700	70	10%	770	0.0%	700	70	770	Jan-06	13.4%	794	79	873
31 - - -	CR CONSTRUCTION MANAGEMENT	7,655	765	10%	8,420	0.0%	7,655	765	8,420			8,549	855	9,404
TOTAL COST =====>		116,387	16,399	14%	132,786	0.0%	116,387	16,399	132,786		11.0%	129,166	18,277	147,443
UTILITY OWNER COST FOR UTILITY RELOCATIONS		0	0	0%	0		0	0	0			0	0	0
NON-FEDERAL DREDGE COST TO BERTHS		843		0%	843		843	0	843	Jun-05	11.7%	942	0	942
TOTAL COST =====>		117,230	16,399	14%	133,629	0.0%	117,230	16,399	133,629		11.0%	130,108	18,277	148,385

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

****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, OR/WA					P.O.C.: PAT JONES, CHIEF, COST ENGINEERING SECTION									
CURRENT MCACES ESTIMATE PREPARED IN: Oct-02					AUTHORIZ./BUDGET YEAR: 2000					FULLY FUNDED ESTIMATE				
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	933	233	25%	1,166	0.0%	933	233	1,166	Aug-04	9.1%	1,018	254	1,272
	TOTAL CONSTRUCTION COSTS =====>	933	233	25%	1,166	0.0%	933	233	1,166	Aug-04	9.1%	1,018	254	1,272
01 - - -	LANDS AND DAMAGES	0	0	0%	0	0.0%	0	0	0		0.0%	0	0	0
30 - - -	ENGINEERING AND DESIGN	368	37	10%	405	0.0%	368	37	405	Aug-03	5.7%	389	39	428
30 - - -	ENGINEERING DURING CONSTRUCTION	10	1	10%	11	0.0%	10	1	11	Aug-04	9.1%	11	1	12
31 - - -	CONSTRUCTION MANAGEMENT	93	9	10%	103	0.0%	93	9	103	Aug-04	9.1%	102	10	112
	TOTAL COST =====>	1,404	280	20%	1,685	0.0%	1,404	280	1,685		8.3%	1,520	305	1,824