

Columbia River Project Water Use Plan Kinbasket and Arrow Recreational Management Plan Monitoring Program and Physical Works

Annual Report: 2014

Implementation Period: January 2013 to December 2013

- CLBMON-14 Boat Ramp Use Study
- CLBWORKS-4 Kinbasket: Bulldog Creek New Ramp
- CLBWORKS-5 Kinbasket: Valemount Marina Ramp Extension
- CLBWORKS-6 Kinbasket: Nixon Creek Ramp Extension
- CLBWORKS-7 Kinbasket: Bush Harbour Ramp Extension
- CLBWORKS-9 Revelstoke Ramp Extend or Build
- CLBWORKS-11 Arrow: Burton New Ramp
- CLBWORKS-12 Arrow: Edgewood Ramp Extension
- CLBWORKS-13 Arrow: Fauquier Ramp Extension
- CLBWORKS-14 Arrow: MacDonald Creek Park Ramp Extension
- CLBWORKS-16 Kinbasket: Debris Inventory, management Strategy and Removal
- CLBWORKS-17 Arrow: Debris Inventory, management Strategy and Removal
- CLBWORKS-18 Kinbasket & Arrow: Feasibility of Boat Ramps
- CLBWORKS-19 Lower Columbia: Indian Eddy Dredging Environmental and Engineering Assessment
- CLBWORKS-20 Lower Columbia: Indian Eddy Dredging
- CLBWORKS-21 Lower Columbia: Indian Eddy Debris Removal Environmental Review
- CLBWORKS-22 Lower Columbia: Indian Eddy Debris Removal
- CLBWORKS-23 Kinbasket & Arrow: Debris Removal Environmental Review
- CLBWORKS-32 Arrow: Renata New Ramp
- CLBWORKS-33 Arrow: Syringa New Ramp
- CLBWORKS-35 Mid-Columbia: Bank Erosion Protection and Monitoring Program
- CLBWORKS-36 Mid-Columbia: Long-term Erosion Monitoring Program
- CLBWORKS-40 Kinbasket: Site Preparation and Debris Work
- CLBWORKS-41 Kinbasket: Floating Debris Removal
- **CLBWORKS-43 Nakusp Boat Ramp**

Conditional Water Licences for Kinbasket storage (27068 and 39432), Mica diversion (39431), Revelstoke diversion and storage (47215), and Arrow storage (27066)

January 31, 2014

BC Hydro Columbia River Project Water Use Plan Kinbasket and Arrow Reservoir Recreational Management Plan Annual Report: 2014

1 Introduction

This document represents a summary of the status and the results of the Kinbasket and Arrow Reservoir Recreational Management Plan Water Use Plan (WUP) monitoring programs and physical works to December 31, 2013, as per the Columbia River Order under the *Water Act*, dated January 26, 2007. There is one monitoring programs and 24 physical works.

2 Status

The following table outlines the dates that TOR for the Kinbasket and Arrow Reservoir Recreational Management Plan WUP monitoring programs and physical works were submitted to and approved by the CWR.

**Table: 2-1: Dates of Kinbasket and Arrow Reservoir Recreational Management Plan
WUP TOR Submissions and Approvals by the Comptroller of Water Rights**

Monitoring Program & Physical Works TOR	Order Clause	Original ToR Submission		Most Recent ToR Resubmission	
		Date Submitted	Date Approved	Date Submitted	Date Approved
CLBMON-14 Boat Ramp Use Study	Conditional, 2(b), 6(b)	Nov 13, 2009	Dec 17, 2009	Oct 19, 2012	Dec 21, 2012
CLBWORKS-4 Kinbasket: Bulldog Creek New Ramp	Conditional, 2(a)	Oct 24, 2007	Not Ordered Mar 03, 2008		
CLBWORKS-5 Kinbasket: Valemount Marina Ramp Extension	Conditional, 2(a)	Oct 24, 2007	Mar 03, 2008	Feb 07, 2013	Feb 25, 2013
CLBWORKS-6 Kinbasket: Nixon Creek Ramp Extension	Conditional, 2(a)	Oct 24, 2007	Mar 03, 2008	Jun 22, 2009	Sep 18, 2009
CLBWORKS-7 Kinbasket: Bush Harbour Ramp Extension	Conditional, 2(a)	Oct 24, 2007	Mar 03, 2008	Jun 24, 2013	Jul 16, 2013
CLBWORKS-9 Revelstoke Ramp Extend or Build	Conditional, 3(a)	Oct 24, 2007	Mar 03, 2008	Jun 22, 2009	Sep 18, 2009
CLBWORKS-11 Arrow: Burton New Ramp	Conditional, 6(a)	Jul 25, 2007	Aug 29, 2007	Jun 24, 2013	Jul 16, 2013
CLBWORKS-12 Arrow: Edgewood Ramp Extension	Conditional, 6(a)	Apr 02, 2013	Apr 24, 2013	Jan 28, 2014	pending
CLBWORKS-13 Arrow: Fauquier Ramp Extension	Conditional, 6(a)	Jul 25, 2007	Aug 29, 2007	Jun 22, 2009	Sep 18, 2009
CLBWORKS-14 Arrow: MacDonald Creek Park Ramp Extension	Conditional, 6(a)	Jul 25, 2007	Aug 29, 2007	Mar 20, 2012	Not approved per letter of Jul 26, 2012
CLBWORKS-16 Kinbasket: Debris Inventory, management Strategy and Removal	Conditional, 1(a)(b)	Oct 26, 2007	Mar 05, 2008	Mar 27, 2013	May 03, 2013
CLBWORKS-17 Arrow: Debris Inventory, management Strategy and Removal	Conditional, 5(a)(b)	Oct 26, 2007	Mar 05, 2008	Mar 27, 2013	May 03, 2013
CLBWORKS-18 Kinbasket & Arrow: Feasibility of Boat Ramps	Schedule A, 4(a) Schedule C, 3(a) Schedule D, 4(a)	Apr 20, 2007	May 03, 2007	Mar 19, 2012	Not approved per letter of Jul 30, 2012
CLBWORKS-19 Lower Columbia: Indian Eddy Dredging Environmental and Engineering Assessment	Schedule E, 4(a)	Jul 24, 2007	Aug 29, 2007	Feb 02, 2009	Mar 26, 2009
CLBWORKS-20 Lower Columbia: Indian Eddy Dredging	Conditional, 8(a)	Sep 13, 2010	Nov 10, 2010		
CLBWORKS-21 Lower Columbia: Indian Eddy Debris Removal Environmental Review	Schedule E, 1(a)	Jul 24, 2007	Aug 29, 2007		
CLBWORKS-22 Lower Columbia: Indian Eddy Debris Removal	Conditional, 8(b)	Jun 25, 2009	Jul 13, 2009	-	-
CLBWORKS-23 Kinbasket & Arrow: Debris Removal Environmental Review	Schedule E, 1(b)	Apr 27, 2007	May 03, 2007	-	-
CLBWORKS-32 Arrow: Renata New Ramp	Conditional, 6(a)	Nov 13, 2009	Mar 15, 2010	Oct 29, 2012	Oct 30, 2012
CLBWORKS-33 Arrow: Syringa New Ramp	Conditional, 6(a)	Nov 13, 2009	Not Approved per letter of Mar 15, 2010		
CLBWORKS-35 Mid-Columbia: Bank Erosion Protection and Monitoring Program	Amended Order, 2(a)	Jul 31, 2008	Sep 11, 2008	Mar 23, 2011	May 16 2011
CLBWORKS-36 Mid-Columbia: Long-term erosion monitoring program	Amended Order, 2(d)	Jul 31, 2008	Sep 11, 2008		
CLBWORKS-40 Kinbasket: Site Preparation and Debris Work	-	Mar 12, 2008	Mar 28, 2008	Dec 12, 2008	Dec 16, 2008
CLBWORKS-41 Kinbasket: Floating Debris Removal	Conditional, 1(c)	Mar 12, 2008	Mar 28, 2008	Dec 12, 2008	Dec 16, 2008
CLBWORKS-43 Nakusp Boat Ramp	Conditional	Apr 02, 2013	Apr 16, 2013	Jan 28, 2014	pending

3 Schedule

The following table (Table 3-1) outlines the current schedule for the monitoring programs and physical works being delivered for the Kinbasket and Arrow Reservoir Recreational Management Plan WUP.

Table 3-1: Table of WUP Schedule

Monitoring Programs	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	WLR YR1	WLR YR2	WLR YR3	WLR YR4	WLR YR5	WLR YR6	WLR YR7	WLR YR8 Interim Review	WLR YR9	WLR YR10	WLR YR11	WLR YR12	WLR YR13
Boat Ramp Use Study -CLBMON#14			✓	✓	✓	✓	■	■	■	■	■	■	■
Physical Works													
CLBWORKS-4 Kinbasket Bulldog Creek New Ramp Not Ordered													
CLBWORKS-5 Kinbasket: Valemount Marina Extend Ramp					✓	✓	■*	■*	■*	■*	■*	■*	■*
CLBWORKS-6 Kinbasket: Nixon Creek Ramp Maintenance Maintenance Only: Ramp not Ordered					■*	■*	■*	■*	■*	■*	■*	■*	■*
CLBWORKS-7 Kinbasket: Bush Harbour Ramp				✓	✓	✓	✓	■*	■*	■*	■*	■*	■*
CLBWORKS-9 Revelstoke Ramp Upgrade				✓									
CLBWORKS-11 Arrow: Burton New Ramp				✓	✓	✓	✓	■	■*	■*	■*	■*	■*
CLBWORKS-12A Arrow: Edgewood Ramp Extension - Clause M							✓	■*	■*	■*	■*	■*	■*
CLBWORKS-12B Arrow: Edgewood Ramp Extension - WUP							✓	■*	■*	■*	■*	■*	■*
CLBWORKS-13A Arrow: Fauquier Ramp Extension - Clause M				✓	✓	✓	■*	■*	■*	■*	■*	■*	■*
CLBWORKS-13B Arrow: Fauquier Ramp Extension - WUP							■*	■*	■*	■*	■*	■*	■*
CLBWORKS-14A Arrow: Macdonald Ramp Extension - Clause M					✓	✓	■*	■*	■*	■*	■*	■*	■*
CLBWORKS-14B Arrow: Macdonald Ramp Extension - WUP							■*	■*	■*	■*	■*	■*	■*
CLBWORKS-16 Kinbasket: Debris Inventory, Management Strategy and Removal		✓	✓	✓	✓	✓	✓	■	■	■	■		
CLBWORKS-17 Arrow: Debris Inventory, Management Strategy and Removal		✓	✓	✓	✓	✓	✓	■	■	■	■		
CLBWORKS-18 Feasibility of Boat Ramps	✓	✓	✓										
CLBWORKS-19 Lower Columbia: Indian Eddy Dredging Environmental and Engineering Assessment	✓	✓	✓										
CLBWORKS-20 Lower Columbia: Indian Eddy Dredging -								■					
CLBWORKS-21 Lower Columbia: Indian Eddy Debris Removal Environmental Review		✓	✓										
CLBWORKS-22 Lower Columbia: Debris Removal at Indian Eddy				✓	✓	✓		■	■	■	■	■	■
CLBWORKS-23 Kin and Arrow: Debris Removal Environmental Review	✓	✓											
CLBWORKS-32 Arrow: Renata New Ramp					✓	✓	✓	■*	■*	■*	■*	■*	■*
CLBWORKS-33 Arrow: Syringa New Ramp - Not approved													
CLBWORKS-35 Mid Columbia Bank Erosion Protection and Monitoring			✓	✓	✓	✓	UW		■				
CLBWORKS-36 Mid Columbia Long Term Erosion Monitoring			✓	✓	✓	✓		■	■				
CLBWORKS-40 Site Prep and Debris Work		✓	✓	✓	✓								
CLBWORKS-41 Kinbasket: Floating Debris Removal													
CLBWORKS-43 Nakusp Boat Ramp							✓	■					

Legend:	■	=	Program to be undertaken/initiated in identified year
	■*	=	Boat Ramp Maintenance
	■	=	Pending approval after 5 Year Review
	u/w	=	Project is under way
	✓	=	Program completed for the year
	x	=	Program started, but encountered operational or hydrological delays
	C*	=	Project is on Conditional List

4 Monitoring Programs and Physical Works Terms of Reference

The Monitoring Programs and Physical Works being implemented under the Kinbasket and Arrow Reservoir Recreational Management Plan WUP are described in Terms of Reference. These Terms of Reference and the reports for work completed to date can be found here:

http://www.bchydro.com/about/sustainability/conservation/water_use_planning/southern_interior/columbia_river/kinbasket-recreation.html

5 Summary of Monitoring Programs

5.1 CLBMON-14 Boat Ramp Use Study

5.1.1 Status

This monitoring program was initiated in 2010 and will be carried out over 10 years (pending approval after 5 year review). Attached is the progress report for Year 3 (2012) finalized July 19, 2013.

6 Summary of Physical Works

6.1 CLBWORKS-4 Kinbasket: Bulldog Creek New Ramp

6.1.1 Status

No new updates from previous annual report.

6.2 CLBWORKS-5 Kinbasket: Valemount Marina Ramp Extension

6.2.1 Status

No new updates from previous annual report.

6.3 CLBWORKS-6 Kinbasket: Nixon Creek Ramp Extension

6.3.1 Status

No new updates from previous annual report.

6.4 CLBWORKS-7 Kinbasket: Bush Harbour Ramp Extension

6.4.1 Status

Ramp improvements were completed in 2013. Ramp was extended to design toe elevation of 724.6 and floating walkway was installed in 2013.

6.5 CLBWORKS-9 Revelstoke Ramp Extend or Build

6.5.1 Status

No new updates from previous annual report.

6.6 CLBWORKS-11 Arrow: Burton New Ramp

6.6.1 Status

In 2013, the ramp was constructed to 430.9 m. Construction is planned for March 2014 to extend the ramp to the toe of design at 425.5 m pending suitable water elevations.

6.7 CLBWORKS-12 Arrow: Edgewood Ramp Extension

6.7.1 Status

This physical works was initiated in 2007 and will be constructed to 425.7 m. Installation of piles, floating walkway and floating breakwaters was completed by Columbia Power Corporation in 2013. CPC will be returning in 2014 to complete scour protection for the ramp to the lowest water elevation available.

6.8 CLBWORKS-13 Arrow: Fauquier Ramp Extension

6.8.1 Status

Fauquier is currently built down to 423.5m. No new updates from previous annual report.

6.9 CLBWORKS-14 Arrow: MacDonald Creek Park Ramp Extension

6.9.1 Status

MacDonald is currently at built down to 429.5m. The turnaround area is to be constructed in 2014.

6.10 CLBWORKS-16 Kinbasket: Debris Inventory, management Strategy and Removal

6.10.1 Status

The second phase of the debris program was approved in May 2013 for implementation in 2013, 2014 and 2015. Surcharge conditions on the Kinbasket were experienced in 2013 as a result of the Mica 5/6 outage, triggering the high water contingency expenditure of \$200k and associated debris removal activities.

6.11 CLBWORKS-17 Arrow: Debris Inventory, management Strategy and Removal

6.11.1 Status

The second phase of the debris program was approved in May 2013 for implementation in 2013, 2014 and 2015. Surcharge conditions were not experienced on Arrow Reservoir in 2013.

6.12 CLBWORKS-18 Kinbasket & Arrow: Feasibility of Boat Ramps

6.12.1 Status

No new updates from previous annual report.

6.13 CLBWORKS-19 Lower Columbia: Indian Eddy Dredging Environmental and Engineering Assessment

6.13.1 Status

No new updates from previous annual report.

6.14 CLBWORKS-20 Lower Columbia: Indian Eddy Dredging

6.14.1 Status

Due to resource constraints in 2013, this physical works has not yet been initiated. The TOR will be revisited prior to submission to the Water Comptroller for approval in 2014.

6.15 CLBWORKS-21 Lower Columbia: Indian Eddy Debris Removal Environmental Review

6.15.1 Status

No new updates from previous annual report.

6.16 CLBWORKS-22 Lower Columbia: Indian Eddy Debris Removal

6.16.1 Status

No new updates from previous annual report.

6.17 CLBWORKS-23 Kinbasket & Arrow: Debris Removal Environmental Review

6.17.1 Status

No new updates from previous annual report.

6.18 CLBWORKS-32 Arrow: Renata New Ramp

6.18.1 Status

This physical works was initiated in 2010 and was constructed in 2013 by Columbia Power Corporation to 431.6 m. CPC will be going back in 2014 to extend the ramp length to the water elevation available.

6.19 CLBWORKS-33 Arrow: Syringa New Ramp

6.19.1 Status

No new updates from previous annual report.

6.20 CLBWORKS-35 Mid-Columbia: Bank Erosion Protection and Monitoring Program

6.20.1 Status

This physical works was initiated in 2010, monitoring has occurred in 2011 (Year 1), 2012 (Year 2) with ongoing monitoring to be carried out in years 2013 (Year 3) and

2015 (Year 4). No report is attached. Progress report due March 31, 2014 will be submitted in next year's report. The final report is due in 2016.

6.21 CLBWORKS-36 Mid-Columbia: Long-term erosion monitoring program

6.21.1 Status

This monitoring program was initiated in 2009 with site selection, 2010 baseline monitoring (Year 1), 2011 (Year 2), 2012 (Year 3) with ongoing monitoring to be carried out in years 2014 (Year 4), 2016 (Year 5). No work was conducted in 2013. The final report is due in 2016.

6.22 CLBWORKS-40 Kinbasket: Site Preparation and Debris Work

6.22.1 Status

No new updates from previous annual report.

6.23 CLBWORKS-41 Kinbasket: Floating Debris Removal

6.23.1 Status

No new updates from previous annual report.

6.24 CLBWORKS-43 Nakusp Boat Ramp

6.24.1 Status

This physical works was initiated in 2010 and was constructed in 2013 by Columbia Power Corporation to 429.9 m. CPC will be going back to extend the ramp length in 2014.

7 Monitoring Programs and Physical Works Costs

The following table summarizes the Kinbasket and Arrow Recreational Management Plan WUP monitoring programs and physical works costs approved by the Comptroller and the Actual Costs to December 31, 2013.

Table 7-1: Kinbasket and Arrow Recreational Management Plan WUP Monitoring Programs and Physical Works Costs

Monitoring Programs	Costs approved by CWR	Life to Date Actuals (LTD)	Estimated to Complete (Forecast)	Total Forecast (LTD and Forecast)	Variance Total to Approved	Explanation	Corrective Action
CLB MP3 Kin & Arrow Rec Annual Report	\$47,328	\$4,164	\$26,661	\$30,826	\$16,502	Efficiencies found during implementation	No Corrective action required.
C03M14A Boat Ramp Use Study	\$600,475	\$335,395	\$264,372	\$599,767	\$708		
C03M14A Boat Ramp Use Study - OR DM	\$90,000	\$36,894	\$53,100	\$89,994	\$6		
C03M14A Boat Ramp Use Study - OR Imp	\$510,475	\$298,501	\$211,272	\$509,773	\$702		
C03W05A KIN Valemount Ramp	\$1,107,382	\$974,416	\$99,058	\$1,073,475	\$33,907	Efficiencies found during implementation	No Corrective action required.
C03W05A KIN Valemount Ramp - ONR DM	\$31,595	\$15,552	\$13,636	\$29,188	\$2,407		
C03W05A KIN Valemount Ramp - ONR Imp	\$1,075,787	\$958,864	\$85,423	\$1,044,287	\$31,500		
C03W06A KIN Nixon Ramp	\$78,880	\$4,692	\$72,588	\$77,280	\$1,600		
C03W06A KIN Nixon Ramp - ONR DM	\$18,036	\$2,652	\$15,088	\$17,740	\$296		
C03W06A KIN Nixon Ramp - ONR Imp	\$60,844	\$2,040	\$57,500	\$59,540	\$1,304		
C03W07A KIN Bush Harbr Ramp	\$1,983,480	\$1,787,006	\$138,003	\$1,925,008	\$58,472	Project Completed	No Corrective action required.
C03W07A KIN Bush Harbr Ramp - ONR DM	\$49,993	\$29,954	\$20,758	\$50,712	(\$719)		
C03W07A KIN Bush Harbr Ramp - ONR Imp	\$1,933,487	\$1,757,052	\$117,244	\$1,874,297	\$59,190		
C03W09A REV Extend Or Build	\$193,883	\$28,791	\$0	\$28,791	\$165,092	No updates from previous year	
C03W09A REV Extend Or Build - OR DM	\$45,414	\$10,108	\$0	\$10,108	\$35,306		
C03W09A REV Extend Or Build - OR Imp	\$148,469	\$18,683	\$0	\$18,683	\$129,786		
C03W11A ARR Burton Newramp - OR	\$1,240,905	\$1,240,905	\$0	\$1,240,905	\$0		
C03W11A ARR Burton Newramp - OR DM	\$39,338	\$27,702	\$0	\$27,702	\$11,636		
C03W11A ARR Burton Newramp - OR Imp	\$1,201,567	\$1,213,203	\$0	\$1,213,203	(\$11,636)		
C03W11A ARR Burton Newramp - ONR	\$376,597	\$439,668	\$240,128	\$679,796	(\$303,199)	Water elevations not achieved to complete extension in 2013. Planning to complete extension in 2014 pending water level elevations	Planning to resubmit by April 30, 2014.
C03W11A ARR Burton Newramp - ONR DM	\$10,615	\$532	\$20,615	\$21,147	(\$10,532)		
C03W11A ARR Burton Newramp - ONR Imp OS	\$365,982	\$439,136	\$219,513	\$658,649	(\$292,667)		
C03W12A ARR Edgewood Ramp - ONR	\$2,136,864	\$1,759,733	\$537,212	\$2,296,945	(\$160,081)	Water elevations not achieved to complete extension in 2013. Planning to complete extension in 2014 pending water level elevations	Planning to resubmit by January 31, 2014.
C03W12A ARR Edgewood Ramp - ONR DM	\$6,880	\$10,907	\$11,647	\$22,554	(\$15,674)		
C03W12A ARR Edgewood Ramp - ONR Imp	\$2,129,984	\$1,748,826	\$525,565	\$2,274,391	(\$144,407)		
C03W13A ARR Fauquier Ramp - ONR	\$592,797	\$589,770	\$3,027	\$592,797	\$0		
C03W13A ARR Fauquier Ramp - ONR DM	\$17,310	\$10,517	\$3,027	\$13,544	\$3,766		
C03W13A ARR Fauquier Ramp - ONR Imp	\$575,487	\$579,253	\$0	\$579,253	(\$3,766)		
C03W13A ARR Fauquier Ramp - OR	\$452,081	\$80,300	\$41,880	\$122,180	\$329,901	No updates from previous year	
C03W13A ARR Fauquier Ramp - OR DM	\$17,310	\$10,255	\$0	\$10,255	\$7,055		
C03W13A ARR Fauquier Ramp - OR Imp	\$434,771	\$70,045	\$41,880	\$111,925	\$322,846		
C03W14A ARR Macdonald Ramp - ONR	\$617,740	\$635,072	\$0	\$635,072	(\$17,332)	Overspend is due to boat ramp maintenance activities	Submission of TOR for boat ramp maintenance will occur by March 2015.
C03W14A ARR Macdonald Ramp - ONR DM	\$25,947	\$23,365	\$0	\$23,365	\$2,582		
C03W14A ARR Macdonald Ramp - ONR Imp	\$591,793	\$611,707	\$0	\$611,707	(\$19,914)		
C03W14A ARR Macdonald Ramp - OR	\$165,300	\$21,671	\$20,940	\$42,611	\$122,689	Efficiencies found during implementation	No Corrective action required.
C03W14A ARR Macdonald Ramp - OR DM	\$8,649	\$10,065	\$0	\$10,065	(\$1,416)		
C03W14A ARR Macdonald Ramp - OR Imp	\$156,651	\$11,606	\$20,940	\$32,546	\$124,105		
C03W16A KIN Debris Mgmt	\$1,091,617	\$610,992	\$480,624	\$1,091,616	\$1		
C03W16A KIN Debris Mgmt - OR DM	\$176,524	\$109,213	\$67,311	\$176,524	\$0		
C03W16A KIN Debris Mgmt - OR Imp	\$915,093	\$501,780	\$413,313	\$915,093	\$0		
C03W16B KIN Debris - ONR	\$1,035,764	\$459,560	\$549,805	\$1,009,365	\$26,399		
C03W16B KIN Debris - ONR Imp	\$1,035,764	\$459,560	\$576,204	\$1,035,764	\$0		
C03W17A ARROW Debris Mgmt	\$494,708	\$276,536	\$218,173	\$494,709	(\$1)		
C03W17A ARROW Debris Mgmt - OR DM	\$84,476	\$45,029	\$39,447	\$84,476	\$0		
C03W17A ARROW Debris Mgmt - OR Imp	\$410,232	\$231,506	\$178,726	\$410,232	\$0		
C03W17B ARR Debris	\$555,904	\$211,721	\$344,183	\$555,904	\$0		
C03W17B ARR Debris - ONR Imp	\$555,904	\$211,721	\$344,183	\$555,904	\$0		
C03W18A Feasibly Boat Ramp - OR	\$238,120	\$238,120	\$0	\$238,120	\$0		
C03W18A Feasibly Boat Ramp - OR DM	\$53,942	\$53,942	\$0	\$53,942	\$0		
C03W18A Feasibly Boat Ramp - OR Imp	\$184,178	\$184,178	\$0	\$184,178	\$0		
C03W19A LC Indian Env	\$181,019	\$157,488	\$0	\$157,488	\$23,531		
C03W19A LC Indian Env - OR DM	\$53,892	\$31,564	\$0	\$31,564	\$22,328		
C03W19A LC Indian Env - OR Imp	\$127,127	\$125,924	\$0	\$125,924	\$1,203		
C03W21A LC Debris Env	\$53,601	\$45,886	\$0	\$45,886	\$7,715		
C03W21A LC Debris Env - OR DM	\$15,367	\$15,259	\$0	\$15,259	\$108		
C03W21A LC Debris Env - OR Imp	\$38,234	\$30,627	\$0	\$30,627	\$7,607		
C03W22A LC In Ed Debre	\$44,726	\$7,783	\$18,041	\$25,824	\$18,902		
C03W22A LC In Ed Debre - OR DM	\$16,512	\$910	\$2,641	\$3,551	\$12,961		
C03W22A LC In Ed Debre - OR Imp	\$28,214	\$6,873	\$15,400	\$22,273	\$5,941		
C03W23A KIN & ARR Debris Env	\$126,716	\$68,960	\$0	\$68,960	\$57,756		
C03W23A KIN & ARR Debris Env - OR DM	\$34,233	\$15,326	\$0	\$15,327	\$18,907		
C03W23A KIN & ARR Debris Env - OR Imp	\$92,483	\$53,633	\$0	\$53,633	\$38,850		
C03W32A ARR Anderson Newramp	\$3,587,553	\$2,469,381	\$1,098,699	\$3,568,080	\$19,473	Efficiencies found during implementation	No Corrective action required.
C03W32A ARR Anderson Newramp - OR DM	\$60,000	\$36,033	\$14,089	\$50,122	\$9,878		
C03W32A ARR Anderson Newramp - OR Imp	\$3,527,553	\$2,433,348	\$1,084,611	\$3,517,958	\$9,595		
C03W35A MCR Bank Erosion	\$712,739	\$608,487	\$82,149	\$690,636	\$22,103	Efficiencies found during implementation	No Corrective action required.
C03W35A MCR Bank Erosion - ONR DM	\$72,964	\$42,384	\$25,149	\$67,533	\$5,431		
C03W35A MCR Bank Erosion - ONR Imp	\$639,775	\$566,103	\$57,000	\$623,103	\$16,672		
C03W36A MCR Erosion Mon	\$311,993	\$223,706	\$80,898	\$303,237	\$8,756	Efficiencies found during implementation	No Corrective action required.
C03W36A MCR Erosion Mon - ONR DM	\$70,240	\$35,586	\$25,898	\$61,484	\$8,756		
C03W36A MCR Erosion Mon - ONR Imp	\$241,753	\$188,119	\$55,000	\$241,753	\$0		
C03W40A KIN Dbrs Site Prep	\$785,000	\$783,522	\$0	\$783,522	\$1,478		
C03W40A KIN Dbrs Site Prep - OR DM	\$78,000	\$52,470	\$0	\$52,470	\$25,530		
C03W40A KIN Dbrs Site Prep - OR Imp	\$707,000	\$731,051	\$0	\$731,051	(\$24,051)		
C03W40B KIN Debris Rmvl	\$1,800,000	\$1,995,488	\$0	\$1,995,488	(\$195,488)		
C03W40B KIN Debris Rmvl - ONR Imp	\$1,800,000	\$1,995,488	\$0	\$1,995,488	(\$195,488)		
C03W41A KIN Fit Dbrs Rmvl	\$42,026	\$1,498	\$0	\$1,498	\$40,528		
C03W41A KIN Fit Dbrs Rmvl - ONR DM	\$29,784	\$1,455	\$0	\$1,455	\$28,329		
C03W41A KIN Fit Dbrs Rmvl - ONR Imp	\$12,242	\$43	\$0	\$43	\$12,199		
C03W43A Nakusp Boat Launch	\$3,330,320	\$2,768,524	\$1,230,464	\$3,998,988	(\$668,668)	Water elevations not achieved to complete extension in 2013. Planning to complete extension in 2014 pending water level elevations	Planning to resubmit by January 31, 2014.
C03W43A Nakusp Boat Launch - ONR DM	\$16,908	\$16,678	\$9,426	\$26,104	(\$9,196)		
C03W43A Nakusp Boat Launch - ONR Imp	\$3,313,412	\$2,751,846	\$1,221,038	\$3,972,884	(\$659,472)		
OR - Ordered Remissible							
ONR - Ordered Non-Remissible							

* Red values in parentheses denote overage.