

#C - 120-2009

5002

AMENDMENT NO. 4

to

INTER-LOCAL AGREEMENT

between

**Stevens County and
Stevens County Conservation District**

**WRIA 59 STREAM GAUGE PROJECT:
FY10 Operations & Maintenance Agreement**

COPY

PURPOSE: To amend the 2008 Inter-local Agreement Amendment #3 between Stevens County, as Lead Agency for the WRIA 59 Water Resource Management Board and WRIA 59 Watershed Management Partnership, and the Stevens County Conservation District (SCCD) pursuant to the provisions of RCW 39.34.080.

IT IS MUTUALLY AGREED AS FOLLOWS:

- The period of performance for Amendment No. 4 of the Inter-local Agreement is for FY 2010, from July 1, 2009 through June 30, 2010.
- The project budget for this agreement shall not exceed \$20,000.
- The project scope of work is outlined in Exhibit A-1.
- The project budget is outlined in Exhibit A-2.

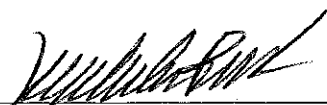
The purpose of this agreement is to complete the attached WRIA 59 Stream Gauge Scope of Work by cooperative sharing of resources as outlined and identified in the attached Scope of Work. Specifically, SCCD shall work with Stevens County to complete each task within the specified timelines and funding allocations, as outlined in the attached Scope of Work.

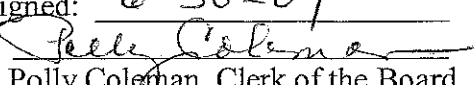
In exchange, Stevens County shall provide SCCD the agreed upon funding for SCCD to complete each task within the specified timelines as outlined in the attached Scope of Work. The task work for WRIA 59 Stream Gauge Inter-local Agreement – Amendment No. 4 for FY10 will be funded by the WRIA 59 Watershed Phase 4 Yr. 5 Grant G0500138 Amendment No. 10, once received from the Washington State Department of Ecology, along with a small portion remaining from Grant G0800499. Other funding sources obtained during FY10 may also be used to assist with Amendment No. 4 expenses.

POWERS AND RIGHTS. No powers and rights are created other than any specified above.

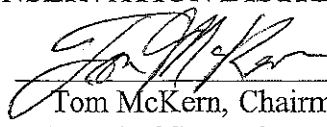
IN WITNESS WHEREOF: The parties have executed this amendment:

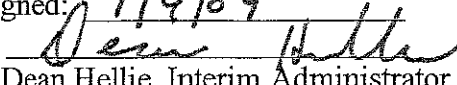
STEVENS COUNTY:

By: 
Malcolm Friedman, Chairman
Stevens County Commissioner

Date Signed: 6-30-09
Attest: 
Polly Coleman, Clerk of the Board

**STEVENS COUNTY
CONSERVATION DISTRICT:**

By: 
Tom McKern, Chairman
Board of Supervisors

Date Signed: 7/9/09
Attest: 
Dean Hellie, Interim Administrator

AMENDMENT 4
INTERLOCAL AGREEMENT– EXHIBIT “A-1”
FY 10 SCOPE OF WORK
WRIA 59 STREAM GAUGE PROJECT

Project Description:

BACKGROUND:

The WRIA 59 Colville River Watershed Plan was completed by the WRIA 59 Water Resource Management Board (Board) and adopted by Stevens County in 2004. The WRIA 59 Watershed Plan and Detailed Implementation Plan (March 2006) calls for installation of stream flow gauges on the prioritized tributaries, as one of the critical tasks to obtain ongoing additional flow information beyond the 2006 WRIA 59 instream flow data collection work. The flow data, when collected on an ongoing basis, will help to establish a credible baseline of flow information to better understand and actively manage the water resources within the watershed.

From 2007 through 2008, the WRIA 59 Board obtained funding to complete Phases 2 and 3 of the WRIA 59 Stream Gauge Project, which included installation of 16 new instream flow gauges and development of rating curves on each of the prioritized tributaries.

The Stevens County Conservation District (SCCD), working under the 2007 and 2008 Inter-local Agreements No. 2 and 3 between Stevens County and Stevens County Conservation District, completed installation of all new stream gauges in 2008, with the exception of a gauge on Thomason Creek. SCCD will continue to work with Stevens County on installation of the final gauge under Tasks 3 and 4 of this agreement. SCCD also performed data collection on those gauges from May 2008 through June 2009, and is scheduled to complete the development of rating curves for those gauges by June 30, 2009.

Amendment No. 4 Tasks:

Amendment No. 4 of the Inter-local Agreement carries the following WRIA 59 Stream Gauge Project tasks forward for Fiscal Year 2010 (from July 1, 2009 through June 30, 2010):

- Task 1: Amendment 4 of Inter-local Agreement – Finalize and obtain signatures.
- Task 2: QAPP (Update to include FY10 Operations & Maintenance Agreement work)
- Task 3: Transect Site Selection (for final gauge.)
- Task 4: Landowner Permission (for final gauge.)
- Task 5: Install Final Gauge (Thomason Cr. or Mill Cr. Wtr. Storage Site)
- Task 6: Develop Rating Curve on Final Gauge
- Task 7: Project Administration, Operations and Maintenance Program (*For all WRIA 59 gauges, except for those gauges taken out of service, per direction by the WRIA 59 Board and/or Stevens County on behalf of the Board.*)

WRIA 59 INSTREAM GAUGE PROJECT TASKS:

TASK 1 – AMENDMENT 4 OF INTERLOCAL AGREEMENT:

Stevens County, as Lead Agency for the WRIA 59 Project, will work with Stevens County Conservation District (SCCD) to finalize Amendment 4 of the Inter-local Agreement for the remaining task work outlined in Task 2 through Task 8 to be completed by SCCD. Amendment 4 of the Interlocal Agreement will be reviewed for approval by the WRIA 59 Executive Committee prior to finalizing and signing the agreement.

Task 1 Deliverable/Due Date:

Signed Inter-local Agreement, **due June 30, 2009.**

Task 1 Estimated Cost: *Included in Task 7 – Project Administration.*

TASK 2 – QAPP: REVISED FOR FY10 STREAM GAUGE OPERATIONS:

Sub-task 2.1: SCCD will revise the 2008 QAPP to cover the operations/maintenance task for FY10 (July 1, 2009 – June 30, 2010), and provide the revised QAPP to the Stevens County WRIA 59 Project Mgr. for review/approval. Within the QAPP, SCCD will list all gauge sites and assigned numbers for identification purposes throughout the FY10 task work.

Sub-task 2.2: Review and oversee ongoing operations and maintenance of the 18 - 19 stream gauges.

Sub-task 2.3: Perform reviews of data collection work throughout the collection period to identify errors and/or omissions, and make corrective actions as necessary.

Sub-task 2.4: Maintain an Excel database consisting of the flow data collected throughout the term of the project. This database will be consistent with the system developed for the Stevens County, Stevens PUD and Ecology's data base systems.

Task 2 Deliverables/Due Dates:

2.1: Draft QAPP. **Aug. 1, 2009.**

2.1: Final QAPP, **Aug. 30, 2009.**

2.2 & .3: Technical Memorandum to be included in End of FY10 Project Summary from SCCD, documenting the FY10 data collection process, results, **due June 30, 2010.**

2.4: Transfer copy of flow/rating curve database from SCCD to the Stevens County WRIA 59 Project Manager and WRIA 59 Board by or at the end of the contract, **due June 30, 2010.**

Task 2 Estimated Cost: **\$400**

TASK 3 - TRANSECT SITE SELECTION FOR FINAL GAUGE INSTALLATION:

SCCD will work with WRIA 59 Project manager to select a site for new gauge installation on Thomason Creek. If a suitable site cannot be located on Thomason Creek, then based upon the WRIA 59 Board's 5/5/09 recommendation, the final gauge will be installed at a recommended site for the WRIA 59 Mill Creek Water Storage Study or to be reserved for future replacement of one of the gauges currently in

operation. The proposed Thomason Creek stream gauge site was taken from the Recommended Priority List of WRIA 59 Tributaries for the Instream Flow Study generated in January 2005.

Site Location (for final stream gauge)	Potential Site Identification
1. Thomason Cr. or other location per 5/5/09 WRIA 59 Board direction.	

As previously, site selection will follow guidelines established in Chapter 2 of the USGS Water Supply Paper 2175, Measurement and Computation of Streamflow Volume 1. SCCD will coordinate with the WRIA 59 Instream Flow Committee to determine appropriate sites.

Task 3 Deliverable/Due Date:

Selection of Transect Site Location, **September 30, 2009.**

Task 3 Estimated Cost: \$400

TASK 4 - LANDOWNER PERMISSION:

SCCD will work with the WRIA 59 Project Manager to contact landowners to obtain permission to access their property for the installation and monitoring of the final stream gauge. The landowner permission letter will ask for a minimum of a 3-year commitment with the possibility of renewal. Signed landowner permission letters will be kept on file at the Conservation District.

Task 4 Deliverable/Due Date:

Compiled list of completed Landowner Permission Forms, **August 30, 2009.**

Task 4 Estimated Cost: \$200

TASK 5 - INSTALL GAUGE:

SCCD will install the final gauge at the site selected under Task 3.

Task 5 Deliverable/Due Date: Installation by **October 30, 2009.**

Task 5 Estimated Cost: \$500

TASK 6 – COMPLETE DEVELOPMENT OF RATING CURVE FOR GAUGE:

The District will follow procedures outlined in USGS Water Supply Paper 2175, *Measurement and Computation of Streamflow Volume 2* for the development of a rating curve at the selected site. SCCD will continue the development of the rating curve throughout the whole range of flows measured from the time of installation until June 30, 2010, if funding is available to cover such a period.

Flow data conducted under this agreement will be compatible with Ecology's Environmental Information Management (EIM) database.

Task 6 Deliverable/Due Date:

Progress summary report and electronic data of flow data collected and rating curves developed on the installed gauge, will be submitted electronically to the Stevens County WRIA 59 Project Mgr. by **due June 30, 2010.**

Task 6 Estimated Costs: \$900

TASK 7 - PROJECT ADMINISTRATION, OPERATIONS AND MAINTENANCE PROGRAM:

Administration:

SCCD will submit monthly reports and invoices to the WRIA 59 Project Manager. SCCD District Administrator and Water Quality Coordinator will communicate with the WRIA 59 Project Manager on a regular basis. The District Administrator and the Water Quality Coordinator will attend WRIA 59 Board Meetings and WRIA 59 Instream Flow Committee meetings, as funding allows.

Operations and Maintenance, Under Amendment 4:

SCCD will provide ongoing operations and maintenance on the WRIA 59 stream gauges installed under the WRIA 59 Stream Gauge Project that are still in operation. SCCD will provide operations and maintenance on the 18-19 gauges up through June 30, 2010. SCCD will maintain each of the gauges listed in Table 2 below, in proper working order and will make minor repairs to keep gauges functioning as they should. Major repair needs will be submitted to the WRIA 59 Project Manager for approval and funding support.

Table 2 Stream Gauges established under WRIA 59 Project

Stream	Designation
Blue Creek	BLU 13
Bulldog Creek	BU 8
Chewelah Creek	CHEW 10
Cottonwood Creek	COT 8
Deer Creek	DEC
Gold Creek	GOLD
Grouse Creek	GR 4
Haller Creek	HAL 19
Huckleberry Creek	HUC 7
Little Pend Oreille River	LPOR 17
Mill Creek	MILL 22
Mill Creek @ Storage Site	MILL SS (tentative)
North Fork Chewelah Creek	NF CHEW
Sheep Creek downstream of Springdale	SCH 2
Sherwood Creek	SHER 9
Stensgar Creek	STEN 14
Stranger Creek	STRN 15
Thomason Creek	TC 2G (tentative)
Waitts Creek	WAITT

Year round flow measurements will be taken, in intervals of 6 - 8 weeks, on all gauges where rating curves are completed, to compare rating curves, and make adjustments where necessary (such as when cross section changes.)

A new interlocal agreement will need to be developed to cover the ops./maint. Program beyond June 30, 2010.

Task 7 Deliverables/Due Dates:

Monthly progress reports, monthly invoices, and conference calls and/or WRIA 59 project meeting attendance as needed throughout the stream gauge project.

Task 7 Estimated Costs: \$17,600

INTERLOCAL AGREEMENT NO. 2009-4 EXHIBIT "A"

PROJECT BUDGET

BUDGET BY TASK:	
Task 1: Inter-local Agreement	\$0
Task 2: QAPP	\$400
Task 3: Transect Site Location	\$400
Task 4: Landowner Permission	\$200
Task 5: Installation of Final Stream Gauge	\$500
Task 6: Developing Rating Curve on Final Gauge	\$900
Task7: Project Administration, Operations and Maintenance for Stream Gauges	\$17,600
TOTAL BUDGET BY TASK:	\$20,000