



Watershed Planning GRANT APPLICATION

Applicant/Organization Information

Applications only need to include answers to the questions specific to the phase of funding that you are requesting. If you are a new applicant then just complete the information for Phase 1-Organizational Funding. If you are applying for Phase 2 -Assessment Funding then just complete those questions specific to Phase 2. If you have had Phase 2 funding and are ready to proceed to Phase 3 -Planning then just answer the questions specific to Phase 3.

Please provide one hard copy and one electronic copy of your application. Send to, Department of Ecology, PO BOX 47600, Olympia, WA 98504-7600.

For the designated lead agency's funding:

NOTE: *For electronic version press F11 to go to each field*

Water Resource Inventory Area(s): 53 – Lower Lake Roosevelt Watershed

Designated Lead Agency*: Lincoln County

*Lead agency must be designated by concurrence of the initiating governments as defined by 90.82: counties within each WRIA, largest city or town in each WRIA, the water supply utility obtaining the largest quantity of water from each WRIA, and tribe(s) with reservation lands within each WRIA, if they agree to participate. Please attach letters from the authorized representative of each of the above entities verifying concurrence.

Please list the initiating governments. Lincoln County, Okanogan County, Ferry County, Grant County (opted out), City of Davenport, Seven Bays Water Association

Provide copy of letters indicating that all tribes with reservation land within the WRIA(s) have been invited to participate as an initiating government.

Colville Tribe and Spokane Tribe invited but not participating.

CONTACT INFORMATION

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BILLING INFORMATION

Payee Name: Lincoln County Land Services, Attn: Courtney Harder

Address, City Zip 27234 SR. 25 N., Davenport, WA 99122, (509) 725-7041

Federal Tax ID # 91-6001352

Legislative District 12 (14%), 7 (86%) Congressional District 5 (99.5%), 4, (0.5%)

Project Name: WRIA 53 Phase 3 Watershed Plan

Project Location: WRIA(s) Please include both WRIA name(s) and number(s)
(see attached map) WRIA 53 – Lower Lake Roosevelt

Does your planning area those have fish species listed or proposed to be listed under the Endangered Species Act?

- ◆ Please list the species and status of listing (proposed, threatened, endangered).
- ◆ Will your plan address protection and enhancement of fish habitat in the WRIA(s)?
- ◆ How will your coordinate with the Salmon Recovery Act (ESHB 2496).

Through the state agencies, the WRIA 53 Planning Unit will coordinate RCW 90.82 activities with the Salmon Recovery Act. It is anticipated that State Agency partners will aid us in addressing and coordinating our Planning Activities along Lake Roosevelt within the WRIA. Most fish listings are located within the main stem of the Columbia River. The Planning Unit has selected not to address the habitat component of watershed planning.

Provide a brief explanation of the WRIs ability to supply adequate water for population and economic growth. WRIA 53 consists mostly of rural lands bordering Lake Roosevelt (above Grand Coulee Dam) with several small cities and towns (Davenport, Seven Bays, Lincoln, etc.). The land along the southern banks and drainages of Lake Roosevelt are undergoing the highest development and growth in Lincoln County. Currently no known or identified water shortages are occurring within the basin, but it is a concern should development continue at the current pace. Recent water sampling conducted by the GWMA has identified most of the basalt aquifer waters as being greater than 10,000 years in age, raising concerns if the basalt aquifers could eventually be mined. In addition, no delineation of aquifer boundaries, surface water-groundwater hydraulic connections, or consumptive use surveys are available throughout the basin. The recent completion of the Phase II Technical Assessment and subsequent Phase III plan will assist in appropriate planning activities to assist all interests in assuring water availability for existing, and future populations, including industry for economic growth.

Is this an application for multi-WRIA or single WRIA planning?

(only whole WRIs or WRIA Groups may apply)

Multi

Single

Funding Request Summary

Amount Requested From Ecology \$200,000

Total Cost of Project = (Amount Requested) \$200,000

Briefly explain why the WRIA needs state planning funds to accomplish the objectives of the planning process in RCW 90.82.

WRIA 53 needs state planning funds in order to determine the water quantity availability and needs for the stakeholders in the watershed to support both economic growth and instream uses. The Lower Lake Roosevelt watershed is currently undergoing the highest development in Lincoln County throughout the southern part of the basin. The Phase I and II portion of the project brought local groups and landowners together in order to prioritize stakeholder concerns throughout the drainage, primarily for water quantity and water storage issues. Representatives from initiating governments in WRIA 53 have signed an MOU in and undertaken Phase 2 watershed planning efforts. The state funds will be utilized to build consensus for watershed efforts in the basin, and to educate stakeholders on water quantity, water storage, and possibly fish habitat, water quality and instream flow issues.

Local stakeholder issues also revolve around the ongoing Columbia River Water Resource Management Program. Specifically due to the storage options currently being reviewed by the CRWMP process. Hawk Creek, a top three option for off-channel storage encompasses one of the only perennial streams in WRIA 53, and is located in the area where some of the highest growth is occurring. The stakeholders of WRIA 53 formed this watershed group in part to create a cooperative framework in addressing on-going Columbia River programs issues.

The assessment of the water quantity in the watershed is a priority to local entities and landowners. Therefore, the completion of Phase II Assessments and the development of a current watershed plan that will address local, up to date concerns, and focus on assuring sufficient water quantities are in the basin for all stakeholder interests, will be the goal of the WRIA 53 Planning Unit. Success of the planning will be to determine if sufficient water supplies are available to support the existing land and economic development, in addition to working in a cooperative manner for the needs of the Columbia River programs.

Attach an estimated project budget, listing funds needed for salaries, benefits, indirect costs, goods and services, consultants, equipment, etc. **Budget is attached**

Application Authorization

Ecology is requested to consider this application for financial assistance for a Watershed Management Planning Grant. We agree to cooperate with Ecology by providing any additional information needed to determine grant eligibility and to adhere to all applicable state and federal rules governing grant funds. We certify that to the best of our knowledge, the information in this application is true and correct.

Designated Lead Agency:

Authorized Representative: _____
(signature) (date)

Printed name and title: _____

Phase 3 – Plan Development

(answer these only if you are applying for Phase 3 funding)

Are you applying for Phase 3 without completing Phase 2? No

3.1 Which additional elements of watershed planning will your planning unit be addressing?

- A. Instream Flows (see section 90.82.080)**
- B. Fish Habitat (see section 90.82.100)**
- C. Water Quality (see section 90.82.090)**

Water Quality and Water Storage????

3.2 Have you successfully completed the tasks outlined in the Phase 2 grant agreement? Explain.

The WRIA 53 Planning Unit has completed their Phase 2 Water Quantity Assessment, and is currently conducting some additional Level 2 groundwater elevation monitoring. The group is focused on developing a comprehensive plan to manage the aquifers in the watershed, specifically oriented to protection of the aquifer from potential depletion.

If you are beginning Phase 3 without having completed the assessment then explain what Phase 3 activities you will be undertaking while the assessment is being completed.

3.3 What has the watershed assessment (Phase 2) indicated will be critical issues in plan development under Phase 3?

Section 7 of the Phase 2 Technical Assessment outlined the issues and future planning focus for the WRIA 53 Planning Unit. Section 7 of the report is presented below.

7.0 RECOMMENDATIONS

7.1 INTRODUCTION

This Level 1 Technical Assessment represents a compilation and review of readily available data for WRIA 53 for the preliminary evaluation of the Water Quantity element of watershed planning. The watershed is in the lower portions of Lake Roosevelt, the reservoir that is formed behind Grand Coulee Dam. Water resources in the main stem of the Columbia River is under Federal control, and the State of Washington administers the instream flows in the river per WAC 173-563, a copy of which is provided in Appendix G. This assessment focused on review of readily information in order to determine if sufficient data was available to develop a water balance. During the review and evaluation, a widespread lack of hydrologic and hydrogeologic data was identified for the watershed. Depending on Planning Unit objectives, a number of these data gaps could be addressed during the Level 2 portion of Phase 2 and/or beyond in the watershed planning process.

7.2 ADEQUACY OF EXISTING DATA

This section includes a discussion on the adequacy of the existing data for WRIA 53, organized by data type. Primary data gaps are identified and general recommendations are provided for filling the respective data gaps.

7.2.1 Climate Data

Climate data was collected for four recording stations within and nearby the watershed, designated by the WRCC as Coulee Dam 1SW, Wilbur, Davenport, and Wellpinit. Station data was augmented by a basin-wide precipitation and temperature distributions developed using PRISM. These stations are located at or outside the boundaries of the WRIA 53 watershed. Existing data could be strengthened by the addition of additional climate stations to achieve a more complete distribution of data in the watershed. Specifically, additional climatic data within the Hawk Creek drainage may be beneficial to the planning effort.

Limited evapotranspiration data specific to WRIA 53 was encountered during this review. To estimate evapotranspiration, generalized assumptions for ET rates in semi-arid regions was used. A more detailed evaluation to determine ET rates may be beneficial for future water planning activities.

7.2.2 Planning Data

The watershed north of the Columbia River is located within the Colville Indian Reservation and falls under the Tribal planning codes. That area south of the Columbia River is primarily privately owned. These lands fall under the jurisdiction of the Lincoln County Planning Department. The County is currently evaluating planning and development codes, relative to integrating available water resources. Planning data (GIS information) is well developed in the county. The County needs to further evaluate which criteria should be developed relative to land use and management decisions within the County. The collection of additional information specific to these areas would facilitate assessing development scenarios during preparation of the WRIA 53 Watershed Plan.

7.2.3 Surface Water Data

No surface water data is available within the tributary drainages of WRIA 53. Stream gauge installation and data collection along key tributaries within the WRIA would increase the understanding of watershed surface water hydrology.

7.2.4 Groundwater Data

Existing data regarding the hydrogeology of principal aquifers within WRIA 60 is limited. Identification, delineation, and characterization of principal aquifers (fractured bedrock, basalt, and unconsolidated) would be required to adequately estimate the groundwater resources available within the WRIA and each subbasin. The GWMA is currently evaluating the basalt aquifers in northern Lincoln and is expected to develop a groundwater model in the upcoming years. This study will assist in the management opportunities for the basalt aquifers. A more detailed review of the granitic basement aquifers could be completed by a more detailed review of well logs. Determining water resources in the unconsolidated aquifers could be completed by initiating a Critical Aquifer Recharge Area assessment.

7.2.5 Water Right Data

The water right analysis indicates that a more detailed review of the hardcopy files of the surface water rights in the basin may be warranted, especially within the Hawk Creek drainage. A more detailed analysis would provide a better level of understanding about the validity of these documents and the level of error in the estimated total annual quantity for surface water in the Hawk Creek subbasin. In addition, a more detailed review of water rights along the Columbia River should be conducted in order to identify which rights are conditioned upon Columbia

River flows. An open water right adjudication on Hawk Creek from 1932 is also present in the watershed. Petitioning to close this matter would be beneficial to the Planning Unit.

7.3 STRATEGIES FOR INCREASING WATER SUPPLIES

Water diversions occur from streams and groundwater in WRIA 53 based on water right seniority. However, due to seasonal and annual variability in stream flow rates, and groundwater tables, water availability for further appropriation is not certain. Of specific concern, is the recent interpretation that the basalt aquifers are not being recharged from the Columbia River, and there is essentially a granitic basement “barrier” between the Columbia River Basalt Group aquifers and the major surface water bodies in the northern portion of Lincoln County. Currently, new water rights are not being issued in WRIA 53 and new groundwater appropriations are occurring from the transfer of water rights from upstream sources.

Several strategies may be warranted to assure future water supplies are sustainable in WRIA 53 as specified in RCW 90.82.070(2).

7.3.1 Water Storage Strategies

Retaining and/or slowing the transport of water within the watershed is a strategy that is being undertaken throughout eastern Washington. Within WRIA 53, large scale storage in Hawk Creek has been evaluated by Ecology, and has ranked within the top two feasible locations. In addition to large scale storage facilities, small and medium size storage opportunities may help to store and/or infiltrate surface water to assist with “flattening” the hydrograph. Smaller scale water storage strategies can include:

- Small Scale Offstream Storage – most feasible in the Hawk Creek drainage.
- Instream Storage – this could include constructing dams on the main tributaries, within the wetted perimeter. However, feasible alternatives are limited in the watershed.
- Onsite Catchment Systems – most feasible on private properties to assist with retaining spring runoff and infiltrating this water into the aquifers.
- Groundwater Recharge and Storage – this strategy would be integrated with the Columbia River Water Management Program to assess potential opportunities to divert available surface waters from the Columbia River and recharge the basalt interflows to the south.

7.3.2 Groundwater Supply Strategies

Upon completion of the GWMA hydrogeologic model, the WRIA may wish to implement a groundwater management and supply strategy which would include the proper management of the aquifers to prevent over-pumping. In the watershed, groundwater is primarily pumps from the Wanapum aquifer. Several strategies may be implemented to potential protect and/or protect the basalt aquifers.

- Support activities to permit replacement and/or future groundwater wells that are in high density areas to deeper basalt interflows which are documented to be recharged from recent water, as determined from the age dating results throughout the watershed.
- Support activities to case new wells and replacement wells across the Wanapum aquifer to avoid cross contamination and the potential of “dewatering” upper aquifers.
- Support activities to abandon inactive wells. Inactive wells that are not constructed properly or that have lost the integrity of their seal may allow aquifer cross-contamination.

7.3.3 Conservation

Water conservation strategies need to be included in the WRIA 53 Watershed Plan. However, agricultural water conservation is likely already practiced and occurring by irrigators in WRIA 53 due to the event of increasing irrigation costs. The degree of conservation effort by the public and private Group A water system is not known. However, due to the generally low volumes of water use across the watershed associated with low population densities, the total water volume is expected to be limited. Other methodologies for conservation efforts in the private sector should be undertaken in the watershed.

7.4 SPECIFIC RECOMMENDATIONS

In order to meet the water strategies outlined above, the following specific recommendations should be undertaken by the WRIA 53 Planning Unit during Phase 2-Level 2 and Phase 3 Watershed Planning.

With respect to the surface water system the following is recommended:

1. Establish flow gauging stations at selected streams and springs to better characterize water flowing into and out of the hydrologic system. Focus on the Hawk Creek drainage.
2. Use flow measurements to establish a baseline for comparing to future conditions.
3. Conduct period water quality measurements to better understand stream and spring health, especially as rural home density increases. Monitoring should be conducted at the locations where Ecology is conducting stream flow monitoring.

For the aquifer systems underlying the WRIA we have recommendations similar to those for surface water. These recommendations, which are driven by a general scarcity of data upon which to assess baseline conditions and trends, are as follows:

1. Develop a groundwater monitoring plan and strategy.
2. Establish some groundwater level monitoring areas having both high and low well density to better track pumping effects on the 3 aquifer systems and to better characterize potential aquifer recharge conditions.
3. Collect aquifer pumping test data, as it becomes available, to use to better characterize aquifer physical conditions for use in evaluating long term aquifer hydrologic trends.
4. Conduct a limited amount of groundwater geochemical sampling in order to better understand aquifer recharge conditions and evaluate surface water/groundwater continuity.
5. Conduct a more detailed GIS evaluation to inventory and map available data on ground and surface water resources and the relationship to current and future land use in WRIA 53. The goal of such an evaluation would be to collect information useful in identifying aquifer boundaries, recharge areas, high groundwater pumping areas, and potential sustainable aquifer pumping targets, and areas in which potential mining of groundwater is occurring.
6. Compile a GIS layer identifying where potential critical aquifer recharge areas are located.

For planning efforts, the WRIA should:

1. Implement the WRIA 53 Public Participation Plan.
2. Further evaluate the status of land management policies in the watershed.

3. Complete a CARA evaluation for the watershed to identify the susceptible aquifer recharge areas for unconfined systems in the aquifer.
4. Initiate an evaluation of domestic exempt wells to potentially develop a watershed policy of exempt wells, specifically in those areas in which water was documents as being greater than 10,000 years old in the GWMA study.
5. Petition Ecology for removal of the Hawk Creek adjudication from the open adjudication process.
6. Further define groundwater resources in WRIA 53 for the County to develop future code modifications and/or policy for minimum lot sizes and/or housing density.
7. Further discuss and/or evaluate the potential nitrate in groundwater.

In addition to the above outlined recommendations, the Planning Unit should submit the grant application for the optional Water Storage element and further evaluate the potential water storage options for increasing water supplies in the watershed. Integrating the planning effort with the Columbia River Water Management Program should also be conducted.

If you are beginning planning without having completed Phase 2 then what critical issues *do you anticipate* addressing in your plan?

3.4 What type of state agency involvement will be needed in the plan development process?

The continued support of the Ecology watershed lead will be required. In addition, Ecology has supplied some support with collection of surface water flow data. If possible, the continuation of the flow collection data would be requested.

3.5 Please provide a Phase 3 scope of work.

See Attached

3.6 How will public participation and SEPA be incorporated into the planning process? The public participation and SEPA portions of the Phase 3 Planning are outlined in the Scope of Work (attached). The group will hold monthly public meetings, and during Plan Development, hold additional open public meetings in various towns around the watershed. Open public meetings will also be presented at the Initiating Governments meetings. The SEPA process will be completed in accordance with Ecology's Watershed SEPA.

**3.7 When do you anticipate completing Phase 3?
October 31st, 2012**

Attachment A
WRIA 53 Phase III Watershed Plan
SCOPE of WORK

Project Tasks:

Task 1: Promote Public Participation and Involvement

The Planning Unit and Consultant shall perform the following to ensure water user participation and involvement in the development and approval of the WRIA 53 Watershed Plan:

- a. Develop and maintain a database of contact information for water user interests in WRIA 53
- b. Hold planning unit meetings in various locations throughout the watershed
- c. Distribute planning unit meeting minutes to water user interests in WRIA 53 through mail or email
- d. Announce when deliverables are available to water user interests in WRIA 53
- e. Brief each county's board of commissioners on the draft watershed plan
- f. Present primary conclusions on planning unit approved watershed plan at each county legislative authority's public hearing.
- g. Conduct at least two public meetings to receive comments at two different locations on the draft watershed plan
- h. Conduct a presentation at each initiating governments open public meeting to achieve feedback and comments on the Plan.

Deliverable: Quarterly reports must document Task 1 activities performed.

Due date(s): Throughout grant period

Deliverable: Two public meetings to request comments on draft watershed plan.

Due date: October 31, 2012

Deliverable: Present conclusions of planning unit approved watershed plan at each county legislative authority's public hearing.

Due date: October 31, 2012

Task 2: Develop planning parameters

The Planning Unit and Consultant shall perform the following to ensure planning unit development of the WRIA 53 Watershed Plan:

- a. Confirm the scope of the plan
 - i. Spatial and temporal aspect
- b. Finalize planning unit's mission, goals, and objectives
- c. Identify previous and on-going natural resource based programs and plans

Deliverable: Memorandum approved by planning unit documenting planning parameters.

Due Date: June 30, 2011

Task 3: Identify, characterize, and prioritize the issues

The Planning Unit and Consultant shall perform the following to ensure planning unit agreement on the issues the WRIA 53 Watershed Plan will address:

- a. Identify comprehensive list of issues from the planning unit and the Phase II technical assessment
- b. Facilitate planning unit prioritization and selection of key issues
- c. Compare selected key issues with the requirements of Chapter 90.82.070(2) RCW
 - i. Add required issues as needed
- d. Identify potential cause(s) of problems
- e. Determine scale and geographic extent
- f. Identify entities involved or affected
- g. Determine short-term/long-term aspects
- h. Determine trends affecting problems
- i. Determine key upcoming decisions or expected actions

Deliverable: Memorandum approved by the planning unit that documents the issues identified, prioritized, and characterized for plan development.

Due Date: September 30, 2011

Task 4: Identify, evaluate, and recommend solutions

The Planning Unit and Consultant shall perform the following to ensure planning unit agreement on the recommendations of the WRIA 53 Watershed Plan:

- a. Identify alternative solutions
 - i. Scale of solutions to be considered
 - ii. Short-term or long-term
- b. Evaluate identified alternative solutions against limitations in Chapter 90.82.120 RCW
- c. Establish criteria to evaluate the feasibility of solutions including the following:
 - i. Legal authority
 - ii. Approvals/permits
 - iii. Cost/funding sources
 - iv. Administration/staffing
 - v. Integration with related programs
 - vi. Acceptability to participants and key outside players
- d. Establish criteria to evaluate the effectiveness of solutions including the following:
 - i. Overall effectiveness in solving problem(s)
 - ii. Cost-effectiveness
 - iii. Flexibility over time
 - iv. Potential side-effects
 - v. Effects on different groups and economic activities
 - vi. Effectiveness in protecting resources
- e. Select solutions to identified issues
- f. Evaluate selected solutions to ensure compliance with the requirements of 90.82.070(2)
- g. Identify selected solutions as a recommendation or obligation
- h. Confirm agreement with entity being obligated, if needed

Deliverable: Memorandum approved by the planning unit that documents the agreed upon solutions to issues as recommendations and obligations.

Due Date: December 31, 2011

Task 5: Design an implementation program

The Planning Unit and Consultant shall perform the following to ensure planning unit agreement on the design of the implementation program for the WRIA 53 Watershed Plan:

- a. Designate implementing organizations
- b. Identify needed rules or ordinances
- c. Identify and develop, if time allows, formal agreements
- d. Identify existing/needed funding programs
- e. Determine schedule and priority for activities to be implemented
 - i. Identify and attain planning unit approval of Early Action Items
- f. Describe integration with related existing local, state, and federal programs
- g. Determine when plan needs to be revised

Deliverable(s): Memorandum approved by the planning unit that documents the implementation program for the WRIA 53 Watershed Plan.

Due Date: March 31, 2012

Task 6: Prepare the WRIA 53 Watershed Plan

The Planning Unit and Consultant shall perform the following to ensure the WRIA 53 Watershed Plan is prepared according to the wishes of the planning unit:

- a. Develop an outline for planning unit approval
- b. Present an approach to SEPA for planning unit approval
- c. Prepare any SEPA related documentation needed by county legislative authorities
- d. Prepare a draft watershed plan for comment
 - i. Include requirements of Chapter 90.82.070(2), 90.82.090, and 90.82.100 RCW
 - ii. Include SEPA compliance
 - iii. Include Early Action Items
- e. Prepare a response to comments approved by the planning unit
- f. Prepare a final watershed plan that incorporates accepted comments for planning unit approval
- g. Submit planning unit approved watershed plan to applicable county legislative authorities
- h. Prepare revisions to planning unit approved plan, if needed.

Deliverable: Watershed plan outline approved by planning unit

Due Date: December 31, 2011

Deliverable: Approach to SEPA approved by planning unit

Due Date: June 30, 2012

Deliverable: Draft watershed plan with SEPA and early action items included.

Due Date: June 30, 2012

Deliverable: Memorandum approved by planning unit responding to comments on draft watershed plan.

Due Date: August 30, 2012

Deliverable: Final watershed plan that incorporates accepted comments for planning unit approval.

Due Date: October 31, 2012

WRIA 53 LOWER LAKE ROOSEVELT WATERSHED

2011-2013 Biennium

Phase 3

4.1 BUDGET BY ELEMENT

Total

1.	SALARIES/BENEFITS	\$ 25,000
2.	CONTRACTED SERVICES	\$ 150,000
3.	TRAVEL	\$
4.	EQUIPMENT	\$
5.	GOODS/SERVICES	\$ 0
6.	OVERHEAD	\$ 0

TOTAL BUDGET BY ELEMENT **\$ 150,000**

BUDGET BY TASK

1.	Promote participation and involvement	\$ 18,375
2.	Develop planning parameters	\$ 9,100
3.	Identify, characterize, and prioritize the issues	\$ 22,925
4.	Identify, evaluate, and recommend solutions	\$ 22,925
5.	Design an implementation program	\$ 22,925
6.	Prepare the WRIA 53 Watershed Plan	\$ 51,250

TOTAL BUDGET BY TASK **\$ 150,000**

Total remaining Watershed Planning Funds for subsequent amendments and phases pending continued eligibility and further legislative appropriation.

\$ 50,000

Attachment A
WRIA 53 Phase III Watershed Plan
SCOPE of WORK

Project Tasks:

Task 1: Promote Public Participation and Involvement

The Planning Unit and Consultant shall perform the following to ensure water user participation and involvement in the development and approval of the WRIA 53 Watershed Plan:

- a. Develop and maintain a database of contact information for water user interests in WRIA 53
- b. Hold planning unit meetings in various locations throughout the watershed
- c. Distribute planning unit meeting minutes to water user interests in WRIA 53 through mail or email
- d. Announce when deliverables are available to water user interests in WRIA 53
- e. Brief each county's board of commissioners on the draft watershed plan
- f. Present primary conclusions on planning unit approved watershed plan at each county legislative authority's public hearing.
- g. Conduct at least two public meetings to receive comments at two different locations on the draft watershed plan
- h. Conduct a presentation at each initiating governments open public meeting to achieve feedback and comments on the Plan.

Deliverable: Quarterly reports must document Task 1 activities performed.

Due date(s): Throughout grant period

Deliverable: Two public meetings to request comments on draft watershed plan.

Due date: October 31, 2012

Deliverable: Present conclusions of planning unit approved watershed plan at each county legislative authority's public hearing.

Due date: October 31, 2012

Task 2: Develop planning parameters

The Planning Unit and Consultant shall perform the following to ensure planning unit development of the WRIA 53 Watershed Plan:

- a. Confirm the scope of the plan
 - i. Spatial and temporal aspect

- b. Finalize planning unit's mission, goals, and objectives
- c. Identify previous and on-going natural resource based programs and plans

Deliverable: Memorandum approved by planning unit documenting planning parameters.

Due Date: June 30, 2011

Task 3: Identify, characterize, and prioritize the issues

The Planning Unit and Consultant shall perform the following to ensure planning unit agreement on the issues the WRIA 53 Watershed Plan will address:

- a. Identify comprehensive list of issues from the planning unit and the Phase II technical assessment
- b. Facilitate planning unit prioritization and selection of key issues
- c. Compare selected key issues with the requirements of Chapter 90.82.070(2) RCW
 - i. Add required issues as needed
- d. Identify potential cause(s) of problems
- e. Determine scale and geographic extent
- f. Identify entities involved or affected
- g. Determine short-term/long-term aspects
- h. Determine trends affecting problems
- i. Determine key upcoming decisions or expected actions

Deliverable: Memorandum approved by the planning unit that documents the issues identified, prioritized, and characterized for plan development.

Due Date: September 30, 2011

Task 4: Identify, evaluate, and recommend solutions

The Planning Unit and Consultant shall perform the following to ensure planning unit agreement on the recommendations of the WRIA 53 Watershed Plan:

- a. Identify alternative solutions
 - i. Scale of solutions to be considered
 - ii. Short-term or long-term
- b. Evaluate identified alternative solutions against limitations in Chapter 90.82.120 RCW
- c. Establish criteria to evaluate the feasibility of solutions including the following:
 - i. Legal authority
 - ii. Approvals/permits

- iii. Cost/funding sources
- iv. Administration/staffing
- v. Integration with related programs
- vi. Acceptability to participants and key outside players
- d. Establish criteria to evaluate the effectiveness of solutions including the following:
 - i. Overall effectiveness in solving problem(s)
 - ii. Cost-effectiveness
 - iii. Flexibility over time
 - iv. Potential side-effects
 - v. Effects on different groups and economic activities
 - vi. Effectiveness in protecting resources
- e. Select solutions to identified issues
- f. Evaluate selected solutions to ensure compliance with the requirements of 90.82.070(2)
- g. Identify selected solutions as a recommendation or obligation
- h. Confirm agreement with entity being obligated, if needed

Deliverable: Memorandum approved by the planning unit that documents the agreed upon solutions to issues as recommendations and obligations.

Due Date: December 31, 2011

Task 5: Design an implementation program

The Planning Unit and Consultant shall perform the following to ensure planning unit agreement on the design of the implementation program for the WRIA 53 Watershed Plan:

- a. Designate implementing organizations
- b. Identify needed rules or ordinances
- c. Identify and develop, if time allows, formal agreements
- d. Identify existing/needed funding programs
- e. Determine schedule and priority for activities to be implemented
 - i. Identify and attain planning unit approval of Early Action Items
- f. Describe integration with related existing local, state, and federal programs
- g. Determine when plan needs to be revised

Deliverable(s): Memorandum approved by the planning unit that documents the implementation program for the WRIA 53 Watershed Plan.

Due Date: March 31, 2012

Task 6: Prepare the WRIA 53 Watershed Plan

The Planning Unit and Consultant shall perform the following to ensure the WRIA 53 Watershed Plan is prepared according to the wishes of the planning unit:

- a. Develop an outline for planning unit approval

- b. Present an approach to SEPA for planning unit approval
- c. Prepare any SEPA related documentation needed by county legislative authorities
- d. Prepare a draft watershed plan for comment
 - i. Include requirements of Chapter 90.82.070(2), 90.82.090, and 90.82.100 RCW
 - ii. Include SEPA compliance
 - iii. Include Early Action Items
- e. Prepare a response to comments approved by the planning unit
- f. Prepare a final watershed plan that incorporates accepted comments for planning unit approval
- g. Submit planning unit approved watershed plan to applicable county legislative authorities
- h. Prepare revisions to planning unit approved plan, if needed.

Deliverable: Watershed plan outline approved by planning unit

Due Date: December 31, 2011

Deliverable: Approach to SEPA approved by planning unit

Due Date: June 30, 2012

Deliverable: Draft watershed plan with SEPA and early action items included.

Due Date: June 30, 2012

Deliverable: Memorandum approved by planning unit responding to comments on draft watershed plan.

Due Date: August 30, 2012

Deliverable: Final watershed plan that incorporates accepted comments for planning unit approval.

Due Date: October 31, 2012

Attachment B

BUDGET

WRIA 53 LOWER LAKE ROOSEVELT WATERSHED

2011-2013 Biennium

Phase 3

BUDGET BY ELEMENT		Total
1. SALARIES/BENEFITS	\$ 25,000	
2. CONTRACTED SERVICES	\$ 150,000	
3. TRAVEL	\$	
4. EQUIPMENT	\$	
5. GOODS/SERVICES	\$ 0	
6. OVERHEAD	\$ 0	
TOTAL BUDGET BY ELEMENT	\$ 150,000	
BUDGET BY TASK		
1. Promote participation and involvement	\$ 18,375	
2. Develop planning parameters	\$ 9,100	
3. Identify, characterize, and prioritize the issues	\$ 22,925	
4. Identify, evaluate, and recommend solutions	\$ 22,925	
5. Design an implementation program	\$ 22,925	
6. Prepare the WRIA 53 Watershed Plan	\$ 51,250	
TOTAL BUDGET BY TASK	\$ 150,000	

Total remaining Watershed Planning Funds for subsequent amendments and phases pending continued eligibility and further legislative appropriation. **\$ 50,000**