



Report to the Legislature

Instream Flow Setting Progress across the State



January 2004

04-11-001

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INSTREAM FLOW SETTING PROGRESS ACROSS THE STATE

**A Report To
The Washington State Legislature
January 2004**

04-11-001

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Executive Summary

This report on the progress of instream flow setting around the state was prepared by the Department of Ecology, pursuant to RCW 90.82.080(6). It describes the status of work towards developing instream flow recommendations on a watershed-by-watershed basis. Watersheds working under Watershed Planning, Chapter 90.82 RCW, as well as watersheds planning under other processes, are included.

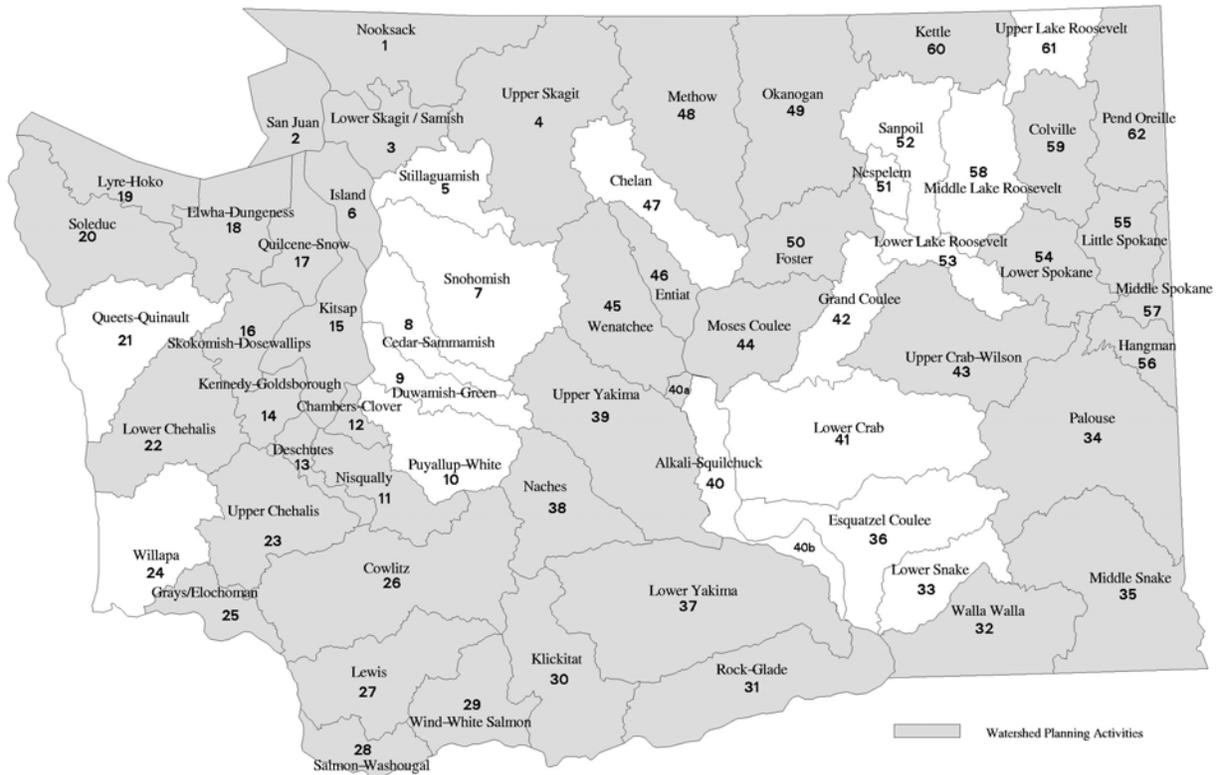
Stream flows – the amount of water flowing in a stream or river --have been a subject of increasing scrutiny and concern in recent years. Competition for water, local watershed planning efforts, Endangered Species Act listings and activities, and state direction through both statute and the funding of specific programs and activities are all focusing attention on water use and stream flows. One important way to protect stream flows is to adopt a rule. Once set in rule, stream flows are generally described as “instream flows,” and are a water right for instream resources. These rules specify the amount of water needed in a particular place for a defined time, and typically follow seasonal variations. Instream flow rules have a priority date and affect junior (not existing) water rights.

There are existing rules affecting flows in 19 Water Resource Inventory Areas (WRIAs), as well as the Columbia River. Out of 45 WRIAs across the state planning under Ch. 90.82 RCW, some 30 are currently examining flows and many will make recommendations to Ecology for new or modified instream flows. In response to the increased concern, and the legal mandate, to protect our state’s rivers and streams, the Departments of Ecology (Ecology) and Fish & Wildlife (WDFW) prepared a “*Work Plan for Instream Flow Setting Through 2010*” in 2002. This working document provides an overview of how statewide instream flow setting priorities will be addressed through 2010.

Now as the first set of watershed plans and instream flow recommendations under Chapter 90.82 RCW have come due, Ecology and WDFW are developing the “*Instream Flow Action Plan.*” This plan is an on-the-ground, short-term plan that includes concurrent work towards the three statewide stream flow goals of setting, achieving and protecting. Activities being carried out under the auspices of the Plan are noted throughout this report. For further detail, refer to Appendix C.

In order to present information on the progress of instream flow setting around the state as simply as possible, this report is organized numerically by WRIA designation, in bullet form. The following questions are addressed for each WRIA:

- 1) *Is there local watershed planning organized under Ch.90.82 RCW, Watershed Planning (the “2514 process”)?*
- 2) *Are there existing instream flows set in rule; and with what priority date?*
- 3) *Did the planning unit decide to take on instream flows? Receive an instream flow supplemental grant?*
- 4) *What progress has been made/data collected?*
- 5) *What is the statutory due date for the instream flow recommendation, and will the recommendation be in on time?*
- 6) *If the recommendation will not be in on time, what are the current contingency plans?*



Watershed Planning Under the Watershed Planning Act (Chapter 90.82 RCW)

Instream Flow Setting Progress WRIA-by-WRIA

WRIA 1 Nooksack



- 1) Yes, working under 2514
- 2) Existing instream flows set in 1985
- 3) Intend to re-evaluate existing flows; received instream flow supplemental grant
- 4) Progress/Data collected: extensive instream flow technical data done by Utah State University
- 5) Plan and instream flow recommendation due Fall 2003; not delivered on time.
- 6) The Planning Unit, with Ecology's support, is working on an instream flow action plan to outline the process, schedule and budget needed to come up with flow recommendations. This will be part of the overall watershed plan, to be delivered in March 2004. WRIA 1 is part of the Instream Flow Action Plan.

WRIA 2 San Juan



- 1) Yes, working under 2514
- 2) No existing instream flow rules
- 3) Yes, received instream flow supplemental grant
- 4) Progress/Data collected:
 - Gauging and Instream Flow Study Recommendations Report, prepared June 2003:
 - identifies 8 streams of concern for instream flow setting or establishing restoration flows
 - gauges installed and data collected on the 8 streams of interest
 - technical approaches researched and selected
 - Working with 2496 Salmon Recovery efforts
- 5) Plan and instream flow recommendation due Spring 2004
- 6) Work proceeding on schedule.

WRIA 3 Lower Skagit-Samish



- 1) Yes, working under 2514
- 2) No existing instream flows for Samish
- 3) Yes, intended to recommend flows; received instream flow supplemental grant
- 4) Progress/Data collected:
 - Extensive IFIM studies completed; Technical Group (including WDFW, Ecology and Tribes) developed a recommendation for an instream flow regime
 - Planning Unit working on draft management plan. Discussed recommendations of Technical Group and decided not to move forward on making instream flow recommendations to Ecology.
- 5) Plan and instream flow recommendation due Fall 2003; not delivered on time

-
- 6) Ecology will proceed with developing an instream flow rule and continue working with the Planning Unit to reach agreement on the regulatory instream flow regime and the provisions for future water use. WRIA 3 is part of the Instream Flow Action Plan.



WRIA 4 Upper Skagit

- 1) Yes, working under 2514
- 2) Yes, instream flows set for Upper and Lower Skagit (not including Samish) in 2001
- 3) No, do not plan to modify existing flows. Did not receive instream flow supplemental grant.
- 4) Progress: In response to an appeal filed by the county on the 2001 instream flow rule, Ecology has filed a CR-101 to amend that rule. A Skagit Flow Impacts Mitigation Agreement is being developed and will be the basis for the CR-102.
- 5) Plan due in Fall 2003; not delivered on time.
- 6) n/a



WRIA 5 Stillaquamish

- 1) Not working under 2514
- 2) No instream flows set
- 3) Will be recommending instream flows; may also recommend “target” flows
- 4) Progress/Data collected:
 - CR-101 filed in November 2002;
 - very active coordination with 2496 efforts;
 - completed or in process: instream flow studies and analysis, generation and analysis of hydrographs, enhanced stream monitoring
 - is part of the Instream Flow Action Plan
- 5) Instream flow recommendation expected in Spring 2004
- 6) Work proceeding on schedule.

WRIA 6 Island

- 1) Yes, working under 2514
- 2) No instream flows set
- 3) Not recommending flows
- 4) n/a
- 5) Plan due Spring 2005
- 6) n/a



WRIA 7 Snohomish

- 1) Not working under 2514; part of Central Puget Sound Regional Initiative
- 2) Instream flows set in 1979
- 3) n/a
- 4) n/a
- 5) n/a
- 6) n/a



WRIA 8 Cedar-Sammamish

- 1) Not working under 2514; part of Central Puget Sound Regional Initiative
- 2) Instream flows set in 1979
- 3) n/a
- 4) n/a
- 5) n/a
- 6) n/a



WRIA 9 Duwamish-Green

- 1) Not working under 2514; part of Central Puget Sound Regional Initiative
- 2) Instream flows set in 1980
- 3) n/a
- 4) n/a
- 5) n/a
- 6) n/a



WRIA 10 Puyallup-White

- 1) Not working under 2514; part of Central Puget Sound Regional Initiative
- 2) Instream flows set in 1980
- 3) n/a
- 4) n/a
- 5) n/a
- 6) n/a



WRIA 11 Nisqually

- 1) Yes, working under 2514
- 2) Yes, instream flows/closures set in 1981
- 3) Yes, re-evaluate existing flows and modify if necessary; received instream flow supplemental grant
- 4) Progress/Data collected:
 - Reaffirmed the adequacy of all existing flows and closures except for the Mashel sub-basin
 - Scope of work for Mashel instream flow studies completed, which included: hydrographs/exceedance curves, estimates of allocated water and actual water use, summary of habitat conditions, assessment of hydraulic continuity
 - Well-integrated coordination with 2496 efforts
 - Planning Unit adopted the watershed management plan in October 2003
- 5) Plan and instream flow recommendations due Fall 2003. Received on time, although insufficient data to have a recommendation for modification of Mashel finalized.
- 6) Instream flow grant awarded in April 2003; Ecology will assume a lead role and work with the Planning Unit towards an instream flow recommendation and rule adoption, for Mashel. WRIA 11 is part of the Instream Flow Action Plan.



WRIA 12 Chambers/Clover

- 1) Yes, working under 2514; also working under Central Puget Sound Regional Initiative
- 2) Yes, instream flows set/basin closed in 1979
- 3) No, not addressing existing flows and closures
- 4) n/a
- 5) Plan due in Fall 2004
- 6) n/a



WRIA 13 Deschutes

- 1) Yes, working under 2514
- 2) Yes, instream flows/closures set in 1980
- 3) Yes, re-visited existing flows for adequacy; received instream flow supplemental grant.
- 4) Progress/Data collected: Technical Group recommended against making any changes to existing flows, and recommends that the focus of Ecology should be on fully implementing the existing flows.
- 5) Instream flow recommendation and plan due Fall 2004
- 6) Work proceeding on schedule.



WRIA 14 Kennedy/Goldsborough



- 1) Yes, working under 2514
- 2) Yes, instream flows set in 1984
- 3) Yes, re-examining flows, received instream flow supplemental grant
- 4) Progress/Data collected: Step A: Reviewed existing data; finalized list of water bodies for instream flow assessment work; drafting scope of hydraulic continuity study
- 5) Instream flow recommendation and plan due Fall 2005
- 6) Work proceeding on schedule.

WRIA 15 Kitsap



- 1) Yes, working under 2514
- 2) Yes, instream flows set in 1981
- 3) Yes, re-examining flows; received instream flow supplemental grant
- 4) Progress/Data collected: Completing field work under Step B: in-depth analysis of stream flows on 2 streams, with detailed characterization of hydraulic continuity
- 5) Instream flow recommendation and plan due Spring 2005
- 6) Work proceeding on schedule.

WRIA 16 Skokomish/Dosewallips



- 1) Yes, working under 2514
- 2) No instream flows set in rule
- 3) Yes, recommending flows; received instream flow supplemental grant
- 4) Progress/Data collected: addressing instream flows on at least 3 rivers; developing hydrographs and exceedance curves; reviewing existing flow data and flow recommendations made by Ecology and WDFW
- 5) Instream flow recommendation and plan due Fall 2005
- 6) Work proceeding on schedule.

WRIA 17 Quilcene/Snow



- 1) Yes, working under 2514
- 2) No instream flows set in rule
- 3) Yes, recommending flows; received instream flow supplemental grant
- 4) Progress/Data collected:
 - WDFW wetted perimeter study
 - USGS ground water/surface water interactions study
 - Flow/temperature modeling
 - Planning Unit approved Watershed Plan in Nov. 2003.
- 5) Instream flow recommendation and plan due Fall 2003. Instream flow recommendation not included in plan.

-
- 6) Ecology will assume the lead on working towards an instream flow recommendation, working with the planning unit and building on existing data. Ecology will provide resources to complete pertinent studies and analysis; initiate consultation with the Tribes, develop biological stream flow recommendations with WDFW and the Tribes, and manage the APA rule making process through to rule adoption. WRIA 17 is part of the Instream Flow Action Plan.

WRIA 18 Elwha/Dungeness



- 1) Yes, working under 2514
- 2) No instream flows set in rule
- 3) Yes, recommending flows; received instream flow supplemental grant
- 4) Progress/Data collected:
 - USGS/Ecology study on hydraulic continuity between Dungeness mainstem and shallow aquifer
 - comprehensive irrigation water conservation plan (funded through Referendum 38)
 - USGS assessment of irrigation system and aquifer
 - Environmental Impact Statement on the Water Conservation Plan
 - regional groundwater model
 - “split-season” leases
 - installation of “real-time” measurement of all five irrigation outtakes
 - Draft watershed plan released in July 2003, with instream flow recommendation.
- 5) Instream flow recommendation and plan due Fall 2003; not finalized on time
- 6) Ecology will continue working with the Planning Unit to develop instream flow rules with future water provisions. WRIA 18 is part of the Instream Flow Action Plan.

WRIA 19/20 Lyre/Hoko/Soleduck/Hoh



- 1) Yes, working under 2514
- 2) No instream flows set in rule
- 3) Yes, recommending flows; have not received an instream flow supplemental grant
- 4) Progress/Data collected: Working in Phase 2, reviewing existing data and prioritizing streams for toe-width studies
- 5) Instream flow recommendation and plan due Summer 2005
- 6) Work proceeding on schedule.

WRIA 21 Queets-Quinault

No instream flow or planning activities.

WRIA 22/23 Upper/Lower Chehalis



- 1) Yes, working under 2514
- 2) Yes, instream flows set in 1976
- 3) Yes, considering re-examining existing flows; received instream flow supplemental grant
- 4) Progress/Data collected:
 - IFIM study by Ecology and WDFW
 - historical flow model by the Army Corps of Engineers
 - Ecosystem Diagnostic and Treatment (EDT) study and data from flow monitoring
 - Watershed draft plan issued in September 2003
- 5) Instream flow recommendation and plan due Fall 2003; delivered recommendation to maintain current flows on time.
- 6) Ecology will assume a lead role and work closely with the Planning Unit on a variety of activities, including: finalizing the IFIM studies; determine adequacy of existing flows in 31 streams by using current data. WRIAs 22/23 are part of the Instream Flow Action Plan.

WRIA 24 Willapa

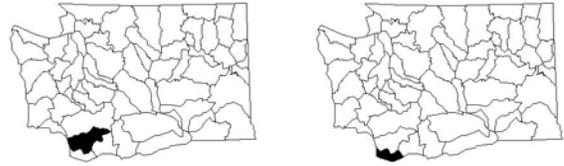
No instream flow or planning activities.



WRIA 25/26 Grays/Elochman/Cowlitz

- 1) Yes, working under 2514
- 2) No existing instream flows in rule; there are administrative closures
- 3) Yes, looking at instream flows; received instream flow supplemental grant
- 4) Progress/Data collected:
 - completed comparative analysis of stream hydrology, flow modeling and toe-width study results
 - in process: a detailed assessment of existing closures and simultaneously completing recovery scenarios for fish
 - excellent coordination with 2496 efforts: Lower Columbia Fish Recovery Board is Lead for both 2514 and 2496
 - part of the Instream Flow Action Plan
- 5) Instream flow recommendation and plan due Summer 2004. Planning unit discussing the possibility of administrative closures rather than setting flows.
- 6) Work proceeding on schedule.

WRIA 27/28 Lewis/Salmon/Washougal



- 1) Yes, working under 2514
- 2) No existing instream flows in rule; there are administrative closures
- 3) Yes, looking at instream flows; received instream flow supplemental grant
- 4) Progress/Data collected:
 - completed comparative analysis of stream hydrology, flow modeling and toe-width study results
 - in process: a detailed assessment of existing closures and simultaneously completing recovery scenarios for fish
 - excellent coordination with 2496 efforts: Lower Columbia Fish Recovery Board is Lead for both 2514 and 2496
 - part of the Instream Flow Action Plan
- 5) Instream flow recommendation and plan due Summer 2004. Planning unit discussing the possibility of administrative closures rather than setting flows.
- 6) Work proceeding on schedule.

WRIA 29 Wind/White Salmon

- 1) Yes, working under 2514
- 2) No existing instream flows in rule
- 3) Not recommending flows
- 4) n/a
- 5) Plan due Spring 2005
- 6) Work proceeding on schedule.



WRIA 30 Klickitat

- 1) Yes, working under 2514
- 2) No existing instream flows in rule
- 3) Not recommending flows
- 4) n/a
- 5) Plan due in May 2005
- 6) n/a



WRIA 31 Rock-Glade

- 1) Yes, working under 2514
- 2) No existing instream flows in rule
- 3) May recommend flows (entered 2514 process in November 2001)
- 4) Progress/Data collected: developing Phase 2 scope of work; coordinating with 2496 efforts
- 5) Plan due in 2007
- 6) n/a



WRIA 32 Walla Walla

- 1) Yes, working under 2514
- 2) Yes, instream flows and closures set in 1977
- 3) Yes, recommending instream flows; received instream flow supplemental grant
- 4) Progress/Data collected:
 - IFIM/PHABSIM study completed by Ecology and WDFW;
 - Instream flow recommendation is ready; the CR-101 is expected to be filed in early 2004. WRIA 32 is part of the Instream Flow Action Plan
- 5) Instream flow recommendation and plan due Summer 2005
- 6) n/a



WRIA 33 Lower Snake

No instream flow or planning activities.

WRIA 34 Palouse

- 1) Yes, working under 2514
- 2) No existing instream flow rules
- 3) Yes, recommending instream flows; have not received instream flow supplemental grant
- 4) Progress/Data collected: began Phase 2 in July 2003
- 5) Instream flow recommendation and plan due in 2007
- 6) Work proceeding on schedule.



WRIA 35 Middle Snake

- 1) Yes, working under 2514
- 2) No existing instream flows in rule
- 3) Yes, recommending instream flows; have not received instream flow supplemental grant
- 4) Progress/Data collected: continuing instream flow evaluation of Tucannon River; preliminary data collected and flow study sites evaluated; report almost ready
- 5) Instream flow recommendation and plan due in 2007
- 6) Work proceeding on schedule.



WRIA 36 Esquatzel Coulee

No instream flow or planning activities.



WRIA 37/38/39 Yakima/Naches

- 1) Yes, working under 2514
- 2) No instream flows in rule; target flows (enacted by Congress) and instream flow tribal treaty rights (affirmed by court) are in place in the Yakima Basin and both are managed by the U.S. Bureau of Reclamation.
- 3) n/a
- 4) Progress/Data collected: WRIAs 37/38/39 are part of the Instream Flow Action Plan, which will be supporting efforts to achieve and protect stream flows
- 5) Plan due Fall 2003; received on time. Approved by the Planning Unit in Dec. 2002.
- 6) n/a



WRIA 40a Stemilt-Squilchuck

- 1) Yes, working under 2514
- 2) No instream flows in rule
- 3) Don't know yet if they will recommend flows (joining 2514 process in January 2004)
- 4) n/a
- 5) Plan will be due approximately 2008
- 6) n/a

WRIA 40b Alkali

No instream flow or planning activities.

WRIA 41 Lower Crab

No instream flow or planning activities.

WRIA 42 Grand Coulee

No instream flow or planning activities.

WRIA 43 Upper Crab-Wilson



- 1) Yes, working under 2514
- 2) No existing instream flows in rule
- 3) Yes, recommending flows; have not received instream flow supplemental grant
- 4) Progress/Data collected: completed Step A; developing scope of work for Step B, conducting the study
- 5) Instream flow recommendation and plan due Summer 2006
- 6) Work proceeding on schedule.

WRIA 44/50 Moses Coulee/Foster Creek



- 1) Yes, working under 2514
- 2) No existing instream flows in rule
- 3) Yes, recommending flows; have not received instream flow supplemental grant
- 4) Progress/Data collected: “Watershed Instream Flow Recommendations” report issued in November 2003, which describes methods and results of instream flow studies completed for 3 streams.
- 5) Instream flow recommendation and plan due in Summer 2004
- 6) Work proceeding on schedule.

WRIA 45 Wenatchee



- 1) Yes, working under 2514
- 2) Yes, instream flows set in 1983
- 3) Yes, recommending instream flows; did not receive instream flow supplemental grant
- 4) Progress/Data collected: developing scope of work for instream flow study
- 5) Instream flow recommendation and plan due in Spring 2006
- 6) Work proceeding on schedule.

WRIA 46 Entiat



- 1) Yes, working under 2514
- 2) No existing instream flows in rule
- 3) Yes, recommending flows; did not receive instream flow supplemental grant
- 4) Progress/Data collected:
 - Draft watershed plan released in July 2002.
 - Existing instream flow studies revised and instream flow recommendation developed
 - WRIA 46 is part of the Instream Flow Action Plan
- 5) Instream flow recommendation and Plan due in Spring 2004
- 6) Work proceeding on schedule.

WRIA 47 Chelan

No instream flow or planning activities.



WRIA 48 Methow

- 1) Yes, working under 2514
- 2) Yes, instream flows set in 1976
- 3) No, not recommending flows; current focus is to meet the flows that are set
- 4) n/a
- 5) Plan due in Fall 2003. Delivered on time, but consensus on approval of the plan was not reached.
- 6) n/a



WRIA 49 Okanogan

- 1) Yes, working under 2514
- 2) Yes, instream flows set in 1976
- 3) Don't know yet if they will recommend flows (joined 2514 process in Dec. 2003)
- 4) n/a
- 5) Plan will be due in approximately 2008
- 6) n/a

WRIA 51 Nespelem

No instream flow or planning activities.

WRIA 52 Sanpoil

No instream flow or planning activities.

WRIA 53 Lower Lake Roosevelt

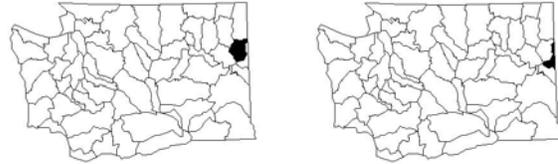
No instream flow or planning activities.

WRIA 54 Lower Spokane

- 1) Yes, working under 2514
- 2) No instream flows in rule
- 3) Don't know yet if they will recommend flows (joined 2514 process in Oct. 2003)
- 4) n/a
- 5) Plan will be due approximately 2008
- 6) n/a



WRIA 55/57 Little/Middle Spokane



- 1) Yes, working under 2514
- 2) Instream flows set on Little Spokane in 1975; no flows set on Middle Spokane
- 3) Yes: looking at both modifying existing flows and setting new flows; received instream flow supplemental grant
- 4) Progress/Data collected:
 - Little Spokane: Completed Step A (scope of work for instream flow study); aquatic biota report completed; are now in the process of “fish flow” assessment
 - Middle Spokane: Completed Step A; now collecting instream flow data to protect aquatic biota.
- 5) Instream flow recommendation and Plan due in Fall 2004
- 6) Work proceeding on schedule.

WRIA 56 Hangman



- 1) Yes, working under 2514
- 2) No instream flows in rule
- 3) Yes, recommending flows; received instream flow supplemental grant
- 4) Progress/Data collected:
 - PHABSIM studies and hydrographs completed
 - Latah (Hangman) Creek instream flow study report issued in May 2003
 - flow recommendations developed for 3 levels of resource protection
- 5) Instream flow recommendation and Plan due Fall 2004
- 6) Work proceeding on schedule.

WRIA 58 Middle Lake Roosevelt

No instream flow or planning activities.

WRIA 59 Colville



- 1) Yes, working under 2514
- 2) Yes, instream flows and closures set in 1977
- 3) No, not re-visiting flows
- 4) n/a
- 5) Plan due Fall 2004
- 6) n/a

WRIA 60 Kettle



- 1) Yes, working under 2514
- 2) No existing instream flow rules
- 3) Yes, recommending flows; have not received instream flow supplemental grant
- 4) Progress/Data collected: in Step A, reviewing existing data and developing a scope of work for Step B
- 5) Instream flow recommendation and Plan due in Spring 2006
- 6) Work proceeding on schedule.

WRIA 61 Upper Lake Roosevelt

No instream flow or planning activities.

WRIA 62 Pend Oreille



- 1) Yes, working under 2514
- 2) No existing instream flow rules
- 3) Not recommending flows
- 4) n/a
- 5) Plan due Summer 2004
- 6) n/a

APPENDICES

- A. WRIAs categorized by flow recommendation due dates and stream flow activity status**
- B. Overview of watershed planning and supplemental instream flow grant structure**
- C. Overview of “Instream Flow Action Plan” (matrix format)**

APPENDIX A

WRIsAs categorized by flow recommendation due dates and stream flow activity status

The following tables provide a slightly different perspective on flow setting activity around the state. It categorizes each of the state's 62 WRIsAs according to one the following designations:

1. Instream flow recommendations due in 2003 and 2004
2. Instream flow recommendations due in 2005-2007
3. No instream flows set in rule and no plans to recommend flows
4. Existing instream flows set in rule; chose not to modify and/or working under other processes
5. Just beginning the watershed planning process
6. No instream flow or planning activity, or a low priority for flow setting work. We will revisit after 2010.

WRIsAs with recommendations due in 2003 and 2004	
Nooksack* (2003) San Juan Lower Skagit-Samish (2003) Stillaquamish** Nisqually* (2003) Deschutes* Quilcene/Snow (2003) Elwha/Dungeness (2003)	Upper/Lower Chehalis* (2003) Grays/Elochman/Cowlitz Lewis/Salmon/Washougal Moses Coulee/Foster Creek Entiat Little*/Middle Spokane Hangman

WRIsAs with recommendations due in 2005-2007	
Kennedy/Goldsborough* Kitsap* Skokomish/Dosewallips Lyre/Hoko/Soleduck/Hoh Walla Walla*	Palouse Middle Snake Upper Crab-Wilson Wenatchee* Kettle

WRIsAs without existing instream flows and not recommending flows	
Island Wind/White Salmon Klickitat	Yakima/Naches Pend Oreille

* WRIsA with existing instream flows in rule

** Not planning under 2514

WRIs with existing flows in rule, chose not to modify and/or are working under other processes	
Upper Skagit* Snohomish** Cedar-Sammamish** Duwamish-Green**	Puyallup-White** Chambers/Clover* Methow* Colville*

WRIs just beginning the planning process	
Rock-Glade Stemilt-Squilchuck	Okanogan* Lower Spokane

WRIs with no instream flows or planning activity going on, or a low priority for flow setting work; to be revisited after 2010	
Queets-Quinault Willapa Lower Snake Esquatzel Coulee Alkali Lower Crab Grand Coulee	Chelan Nespelem Sanpoil Lower Lake Roosevelt Middle Lake Roosevelt Upper Lake Roosevelt

* WRIA with existing instream flows in rule

** Not working under 2514

APPENDIX B

Overview of watershed planning and supplemental instream flow grant structure

Watershed Planning under Chapter 90.82 RCW is structured according to the following:

Phase 1: Organization, start-up

Phase 2: Technical Assessment

 Putting existing data to work

 Short-term collection of new data

 Long-term data collection and monitoring

Phase 3: Plan Development

Phase 4: Implementation

The only required element of planning under Ch. 90.82 RCW is water quantity:

“Watershed planning under this chapter shall address water quantity in the management area by undertaking an assessment of water supply and use in the management area and developing strategies for future use.” (RCW 90.82.070) Optional components are instream flows, water quality and habitat.

The instream flow supplemental grant is to be carried out in three steps:

Step A: Develop the scope of work for an instream flow study

Step B: Conduct the study

Step C: Develop the instream flow recommendation

APPENDIX C

Overview of “Instream Flow Action Plan”

The following matrix summarizes the activities being planned under the “Instream Flow Action Plan:” an 18-month, on-the-ground plan that includes concurrent work towards the three statewide stream flow goals of setting, achieving and protecting. Scheduled to begin in January 2004, the plan is currently being finalized by the Departments of Ecology and Fish & Wildlife. The WRIAs listed below fulfill the basic criteria for inclusion in the plan: they are water-critical basins and/or have plans and instream flow recommendations due in 2003 and 2004. Not all WRIAs that fulfill these criteria could be included in this plan, due to staff and funding limitations.

Factors Considered in the Action Plan Selection Process, and Actions Planned: WRIA-by-WRIA

Shaded WRIAs have a detailed action plan included in the Action Plan

	Existing Instream Flows	ESA/Critical Basin	ESA/Non-Critical Basin	Growth Pressure/Low Flows	Setting Flows to Prevent Degradation	IF/Plan Rec. due date	Basin included in Action Plan, and Actions Needed*
Nooksack-1	Yes	Yes		Yes		2003	Yes. A & P
San Juan-2	No	No	Yes	Yes		2003	No
Lower Skagit/Samish-3	No	No		Yes	Yes	2003	Yes. S & P
Upper Skagit-4	Yes	No		Yes		2003	No
Stillaguamish-5	No	No		Yes	Yes	2004	Yes. S & P
Snohomish-7	Yes	Yes		Yes		n/a	No
Cedar/Sammamish-8	Yes	Yes		Yes		n/a	No
Duwamish/Green-9	Yes	Yes		Yes		n/a	No
Puyallup/White-10	Yes					n/a	No
Nisqually-11	Yes	No	Yes	Yes		2003	Yes. A & P
Chambers/Clovers-12	Yes	Yes		Yes		2004	No
Deschutes-13	Yes	No		Yes		2004	No
Quilcene/Snow-17	No	Yes		Yes		2003	Yes. S & A & P
Dungeness/Elwha-18	No	Yes		Yes		2003	Yes. S & A & P
Chehalis-22/23	Yes	No	Yes	Yes		2003	Yes. A & P
Grays/Elochoman/ Cowlitz-25/26	No	No	Yes	Yes	Yes	2004	Yes. S & P
Lewis/Salmon/ Washougal-27/28	No	No	Yes	Yes	Yes	2004	Yes. S & P
Walla Walla-32	closed	Yes		Yes		2005	Yes. S & A & P
Middle Snake-35	No	Yes				2007	No. continue A & P work
Yakima/Naches-37/38/39	Court	Yes		Yes		2003	Yes. continue A & P work

* S=Setting A=Achieving P=Protecting

	Existing Instream Flows	ESA/ Critical Basin	ESA/ Non-Critical Basin	Growth Pressure/ Low Flows	Setting Flows to Prevent Degradation	IF/Plan Rec. due date	Basin included in Action Plan, and Actions Needed*
Wenatchee-45	Yes	Yes				2006	No. continue A & P work
Entiat-46	No	No	Yes	Yes	Yes	2004	Yes. S & P
Methow-48	Yes	Yes		Yes		2003	No. continue A & P work
Okanogan-49	Yes	Yes				approx 2008	No. continue A & P work
Moses Coulee/Foster Creek-44/50	No	No	Yes			2004	No
Little/Middle Spokane- 55/57	Yes	No	No			2004	No
Hangman-56	No	No	No	No		2004	No
Colville-59	Yes	No	No	No		2004	No
Pend Oreille-62	No	No	No			2004	No

*** S=Setting A=Achieving P=Protecting**