

TABLES

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TABLE 2-3**Tier 1 Capital Projects/Actions and Studies/Assessments**

Unique Identifier	DIP Action Description	Lead Entity/ Project Sponsor ^{1,2}	Supporting Entity ^{2,3}	Implementation Notes
SFP-2	Cunningham Farm Monitoring Field Well Project - Install and monitor as many as 5 wells in the Palouse Basin Aquifer at Cunningham Farms, Kamiak Gap, Whitman County Landfill, 4- mile gap and Staley to characterize the geology and hydrogeology of the area.	PBAC	Ecology	Project Proposal submitted in 2008. PBAC's #2 Priority. Identified as the Planning Unit's #3 Priority in the Watershed Plan. This could be partially funded with CAPITAL funding sources depending on if we can tie the effort to an ASR, SAR or Reclamation Reuse Project.
SFP-10	<p>Characterize hydrology and connectivity of surface water, groundwater, and springs, and develop potential recharge and flow enhancement strategies at the following locations:</p> <ol style="list-style-type: none"> 1. Moscow Mountain, 2. Sand Road area, 3. Smoot Hill, 4. Kamiak Butte, 5. Latah County (eastern basin), 6. upper reaches of tributaries. <p>Specifically include geologic characterization of the Kamiak and Four-Mile "gaps" by further investigation of well logs and additional test drilling.</p>	PBAC	Ecology, IDEQ, USGS	This could be partially funded with CAPITAL funding depending on if we can tie the effort to an ASR, SAR or Reclamation Reuse Project. A major objective of the Kamiak part of the study is to determine the extent of the Grande Ronde portion of the aquifer system. PBAC funded past geophysical research that indicated the Grande Ronde is not continuous through the Kamiak Gap. Test drilling there will help verify/refute that conclusion. The log investigation and test drilling will also help with the objectives to characterize hydrology and connectivity of surface water, groundwater, and springs, and develop potential recharge and flow enhancement strategies.

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Unique Identifier	DIP Action Description	Lead Entity/ Project Sponsor ^{1,2}	Supporting Entity ^{2,3}	Implementation Notes
BW-16	<p>1. Hydrologic study/assessment to evaluate alternative tillage practices that address water management objectives.</p> <p>2. Pursue trials of various conservation tillage operations (e.g. Cook/Stations – Cunningham farm), and then demonstrate these conservation tillage approaches (e.g. no-till, mulch till, etc.) and results to area growers (e.g., benefits gained including soil quality, erosion rates, water infiltration rates, etc.).</p> <p>3. Develop and implement Conservation Tillage Aquifer Recharge Program: This program focuses on improving aquifer recharge by changing farming practices on approximately 50,000 acres (35,000 WA & 15,000 ID)</p>	CDs, WSU Extension	USDA, NRCS	<p>Project Proposal submitted in 2008 for the study. Identified as the Planning Unit's #2 priority in the Watershed Plan. CAPITAL. This action was written to evaluate conservation tillage for water savings and aquifer recharge purposes. Start in SFP MA, and if successful apply to rest of management areas.</p> <p>Consider revising list item number 3 to: "Develop and implement Conservation Tillage Aquifer Recharge Program on acreage that includes conventionally cultivated summer fallow and highly erodible land." as part of the first update of the Watershed Management Plan.</p> <p>The 50,000 acre number is not intended to limit the extent of conservation tillage on of conventional summer fallow land or other highly erodible land but to be used as a starting point to promote and implement conservation tillage practices in the basin</p>

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Unique Identifier	DIP Action Description	Lead Entity/ Project Sponsor ^{1,2}	Supporting Entity ^{2,3}	Implementation Notes
SFP-16	<p>Complete further study on ASR feasibility in Pullman, beginning with a pre-feasibility document including:</p> <ol style="list-style-type: none"> 1. identification/examination of existing wells for possible retrofit to ASR 2. geochemical compatibility screening to confirm compatibility of surface water for use as a source for aquifer storage and recovery (ASR). Surface water sampling to support assessment of treatment options for water diverted from Paradise Creek and the South Fork of the Palouse River 3. preliminary operational scenarios and water system compatibility overview 4. proposed observation well network and monitoring plan 5. educate and involve the public in water management options. 	City of Pullman	PBAC, Ecology, CDs in SFP, IDEQ	<p>CAPITAL. PBAC has agreed in principal to fund a project that will look at the hydraulic impacts of ASR, and as of the spring of 2008 was pending identification of a student researcher. This project would also involve the activity of continuing the Grande Ronde portion of the PBAC monitoring program. However, the proposed project does not propose to address much of the scope of the action.</p>

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Unique Identifier	DIP Action Description	Lead Entity/ Project Sponsor ^{1,2}	Supporting Entity ^{2,3}	Implementation Notes
SFP-25	Identify and implement wastewater effluent reuse strategies where practicable, considering legal interpretation of obligation/amount of water to supply and protect water rights, including riparian stockwatering rights, below city discharge points.	City of Moscow, City of Pullman, WSU	Ecology	CAPITAL. Submitted funding proposal through WRIA as capital project and close to getting funding commitment from Ecology; funded up to 30 percent design which has been completed by WSU through its budget (completed 2002) – project waiting for funding to complete final design and construction. Partnership between city of Pullman and WSU. As stated in the Watershed Management Plan, “The Planning Unit believes riparian livestock rights have been and should be recognized as an inherent water right for landowners of streamside parcels and those existing rights should not be conditioned to instream flows (p. 5-4).” Regarding this statement, Ecology has noted the following: “Riparian stock watering would need to be adjudicated (e.g. Cow Creek) to provide certainty for landowners of stream parcels” (Ecology 2007).
SFP-14	Identify and evaluate potential aquifer recharge areas, for winter flow diversions, ASR, Class A treated effluent, etc.	PBAC	City of Moscow, City of Pullman	CAPITAL

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Unique Identifier	DIP Action Description	Lead Entity/ Project Sponsor ^{1,2}	Supporting Entity ^{2,3}	Implementation Notes
BW-18	<p>Continue efforts and identify and prioritize additional locations to implement the following water conservation and efficiency strategies for agricultural systems:</p> <ol style="list-style-type: none"> 1. Conservation tillage 2. Irrigation efficiencies 3. Minimize conventional summer fallow. <p>Consider the area between Pullman and Colfax in the SFP MA.</p>	CDs, Individual irrigators	Individual landowners, NRCS, WSU Extension, USDA, Ecology	CAPITAL if tied to a specific project and location.
BW-15	Develop/implement potential recharge and flow enhancement strategies. Strategies to consider include: balancing basins, floodplain storage, wetland restoration, the use of small check dams, and infiltrating water that is withdrawn from surface water in the high-flow winter months into shallow groundwater in locations that will result in return flows to streams during summer months via surface infiltration.	CDs	Cities and Towns in NFP, Ecology, IDEQ, IDWR, PBAC, Individual Landowners	CAPITAL if tied to a project; Operational if just defining strategies.

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2. CRC CDs, cities, towns, and counties:
 - CDs in CRC include Adams County CD, Lincoln County CD, Palouse Rock Lake CD, Pine Creek CD, and Spokane County CD.
 - Cities in CRC include Medical Lake and Sprague.
 - Towns in CRC include Lamont.
 - Counties in CRC include Adams, Lincoln, Spokane, and Whitman.CLP CDs, cities, towns, and counties:
 - CDs in CLP include Adams County CD, Latah SWCD, Pine Creek CD, Palouse CD, Palouse Rock Lake CD, Spokane County CD, and Whitman County CD.
 - Towns in CLP include Colton, Endicott, Farmington, Genesee (ID), LaCrosse, Malden, Oakesdale, Rosalia, Saint John, and Uniontown.
 - Counties in CLP include Whitman, Spokane, Latah (ID), Benewah (ID), and Nez Perce (ID).NFP CDs, cities, towns, and counties:
 - CDs in NFP include Palouse CD, Latah SWCD, Whitman County CD, and Palouse Rock Lake CD.
 - Cities and towns in NFP include Palouse, Potlatch (ID), and Onaway (ID).
 - Counties in NFP include Whitman, Latah (ID), and Benewah (ID).SFP CDs, cities, towns, and counties:
 - CDs in SFP include Palouse CD, Whitman County CD and Latah SWCD.
 - Cities in SFP include Colfax, Pullman, and Moscow (ID).
 - Towns in SFP include Albion.
 - Counties in SFP include Whitman and Latah (ID).
3. An organization / individual that is in support of an action and therefore, collaborates as needed on action items, working in coordination with the lead entity; supports action funding strategies; and dedicates in-kind support and/or funding when possible.

TABLE 2-4

Tier 1 Operational Projects/Actions and Studies/Assessments

Unique Identifier	DIP Action Description	Lead Entity/ Project Sponsor ^{1,2}	Supporting Entity ^{2,3}	Implementation Notes
SFP-3	Develop a framework for water resource management decisions concerning the Palouse Basin Aquifer.	PBAC	Ecology, CDs in SFP, Counties in SFP, Cities in SFP	Project Proposal submitted in 2008. PBAC's #1 priority. Identified as the Planning Unit's #1 Priority in the Watershed Plan. This action has been a topic of discussion at PBAC, but as of August 2008 there is no dedicated funding allocated. The grant proposal written by Jerry Fairley was submitted to the Planning Unit through PBAC, and the item also appears in the draft of the Palouse Basin portion of the (\$20M) Idaho Aquifer Study / Water Plan project. The current timeline calls for initiation of work on the Palouse beginning in mid-2010, but the project is subject to annual appropriation and the SCOPE DETAILS COULD WELL CHANGE between now and then.
BW-1	Continue instream flow and water quality monitoring through permanent and seasonal gauges and water quality monitoring stations. Specifically, - flow monitoring through permanent and seasonal gauges on North Fork and South Fork Palouse River (including City of Colfax and City of Pullman) - monthly flow measurements at sites throughout the Cow Creek subbasin that are currently monitored by the Adams CD	CDs in CRC, Ecology (obligated for the monitoring station in Pullman)	CDs in CLP, NFP, and SFP; IDWR, City of Pullman, Planning Unit, USGS, IDEQ	North Fork monitoring: A continuous, stand alone gage was installed at Elberton in May 2007. However this gage was removed in September 2007 and will be relocated to a site farther downstream (see action NFP-1).

TABLE 2-4**Tier 1 Operational Projects/Actions and Studies/Assessments**

Unique Identifier	DIP Action Description	Lead Entity/ Project Sponsor^{1,2}	Supporting Entity^{2,3}	Implementation Notes
LP and RC-1	Characterize groundwater resources; map approximate location, depth, and geographic extent of aquifers in the Lower Palouse and Rock Creek Management Areas. Also determine regional quantities and movement of groundwater.	--	Ecology, USGS, Towns in CLP, PBAC	--
NFP-3	Characterize hydrology and connectivity of surface water, groundwater, and springs within the North Fork Palouse Management Area.	--	Ecology, IDWR, IDEQ, PBAC, USGS	--
SFP-4	Establish a central and permanent office for storage of geologic/ hydrologic information on the Palouse Basin.	PBAC	--	There is no dedicated PBAC funding to this effort as of August 2008.
SFP-6	Conduct ongoing studies and data collection to monitor groundwater conditions, and to better understand how recharge occurs (in Palouse Basin Aquifer).	PBAC	Ecology, IDEQ, IDWR	ONGOING. PBAC funds a continuing monitoring program that fits under this action. Since 1999, student research projects have been coupled with monitoring activities. Currently the Wanapum monitoring activity is funded through May of next year; the Grande Ronde monitoring student researcher completed his research in May, and Steve Robischon is now doing the monitoring. PBAC has had ongoing discussions about whether the monitoring is best conducted by student researchers or a dedicated employee.

TABLE 2-4

Tier 1 Operational Projects/Actions and Studies/Assessments

Unique Identifier	DIP Action Description	Lead Entity/ Project Sponsor ^{1,2}	Supporting Entity ^{2,3}	Implementation Notes
CC and RC-3	<p>Hydrogeologic study to understand the impacts of groundwater withdrawal on groundwater levels and streamflows in Cow Creek and Rock Creek Subbasins. Study to be conducted cooperatively with the other WRIAs (34, 54, and 56) regarding water use and instream flow setting (in an adjudicated basin).</p> <ol style="list-style-type: none"> 1. Characterize the hydrology and hydrogeology, including connectivity and interaction between surface water, groundwater, springs, lakes and gravel beds. Study to include review of flow data. 2. Develop a groundwater-surface water flow model. 3. Use the model to: <ol style="list-style-type: none"> a. characterize hydraulic continuity between wells and streams on Cow Creek, b. develop potential recharge and flow enhancement strategies for Cow Creek, c. assess the impact of new groundwater withdrawals (e.g., for stockwatering, irrigation, and municipal water supply for Cheney, Airway Heights and Medical Lake) on the streamflows and groundwater flows of the Cow Creek and Rock Creek Subbasins. 4. Plan for future water supply in the Cow Creek subbasin considering both the hydrogeology and the 1984 adjudication. 5. Develop appropriate management strategies to address the results for both the Cow Creek and Rock Creek Subbasins. 	<p>Planning Unit (for #5), Ecology (obligated for #5)</p>	<p>CDs in CRC, Airway Heights, Cheney, Spokane County, Lincoln County, USGS</p>	<p>ONGOING. Spokane County is leading the effort for the portion of the management area within Spokane County and intends to fund these efforts through WRIA 54. Spokane County would like the Planning Unit's support for its work related to this action.</p>

TABLE 2-4**Tier 1 Operational Projects/Actions and Studies/Assessments**

Unique Identifier	DIP Action Description	Lead Entity/ Project Sponsor^{1,2}	Supporting Entity^{2,3}	Implementation Notes
SFP-5	Continue to characterize groundwater resources; map approximate location, depth, and extent of aquifers in the South Fork Palouse Management Area. Also determine regional quantities and movement of groundwater. Age-date water to identify young water in shallow and deep aquifer systems.	PBAC	Ecology, IDWR, USGS	Project Proposal submitted in 2008 for the age-dating portion. Identified as the Planning Unit's #4 Priority in the Watershed Plan.
NFP-1	Identify appropriate areas for permanent gauging stations upstream of Colfax.	Ecology	USGS, IDWR, IDEQ	Ongoing. Ecology is assessing gage locations and is intending to site a new gaging station just upstream of Colfax on the North Fork.
LP and RC-2	Characterize hydrology and connectivity of surface water and springs, and develop potential recharge and flow enhancement strategies at the following locations in the Lower Palouse and Rock Creek Management Areas: 1. Eastern portion of the Basin (Adams/Whitman County Line to Washtucna) 2. Streams – Palouse River, Union Flat Creek, Willow Creek, Rebel Flat Creek, Pine Creek, Cottonwood Creek	--	Ecology, IDEQ, USGS, IDWR	--
SFP-9	Look at whether proposed new Colfax well project will impact shallow aquifer, springs and streamflows by characterizing the hydrology and connectivity of surface water, groundwater, and springs within the South Fork Palouse Management Area.	--	Ecology, PBAC, USGS, City of Colfax	--
NFP-2	Establish and maintain groundwater monitoring wells in support of instream flow management in the North Fork Palouse.	Ecology	IDWR	--

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Unique Identifier	DIP Action Description	Lead Entity/ Project Sponsor ^{1,2}	Supporting Entity ^{2,3}	Implementation Notes
BW-48	<p>Secure funding, develop, promote and implement a community education program on water quality and water quantity management options, including conservation, ASR, groundwater recharge and streamflow enhancement, and instream flows. Education programs regarding conservation measures could include:</p> <ol style="list-style-type: none"> 1. Communicating existing efforts and opportunities for funding to individual landowners 2. Increasing funding, methods and outreach of conservation measures to all water users 3. Developing regional workshops that target all water users on the following topics: <ol style="list-style-type: none"> a. water re-use b. lawn watering c. water efficiencies d. equipment installation and use e. riparian and watershed function f. out of stream livestock watering 	Counties, CDs in CLP and SFP	WDOH, Towns in CLP, Ecology, IDEQ, IDWR, WSU/U of I Extensions, Individual landowners, NRCS, Non-profit organizations, Public Water Systems, CDs except CDs in CLP and SFP	--
CC-2	<p>Conduct hydrogeologic characterization of Cheney and Medical Lake areas and establish location of groundwater divide. Conduct hydrologic study and establish surface water divides. Based on the results of these studies, evaluate the need to remap WRIA boundaries in the Cheney and Medical Lake areas. Coordinate with adjacent WRIs, as needed.</p>	Spokane County	Ecology	ONGOING - Spokane County currently doing hydrogeologic study. Spokane County is leading the effort for the portion of the management area within Spokane County and intends to fund these efforts through WRIA 54. Spokane County would like the Planning Unit's support for its work related to this action.

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- CLP CDs, cities, towns, and counties:
 - CDs in CLP include Adams County CD, Latah SWCD, Pine Creek CD, Palouse CD, Palouse Rock Lake CD, Spokane County CD, and Whitman County CD.
 - Towns in CLP include Colton, Endicott, Farmington, Genesee (ID), LaCrosse, Malden, Oakesdale, Rosalia, Saint John, and Uniontown.
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 - CDs in SFP include Palouse CD, Whitman County CD and Latah SWCD.
 - Cities in SFP include Colfax, Pullman, and Moscow (ID).
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TABLE 2-5

Tier 2 Projects/Actions and Studies/Assessments

Unique Identifier	DIP Action Description	Lead Entity/ Project Sponsor ^{1,2}	Supporting Entity ^{2,3}	Implementation Notes
BW-7	<p>Characterize riparian conditions and identify restoration/enhancement areas where appropriate; implement riparian function enhancement projects with willing landowners, tailored to their strategies and needs, in priority areas where appropriate using incentive-based approaches (using Whitman County Growth Management Plans to assist in identification of critical areas). Develop a managed grazing program that addresses the use of riparian areas while protecting and enhancing water resources.</p>	<p>CDs, Counties</p>	<p>Ecology, Individual Landowners, WSU Extension</p>	<p>--</p>
BW-9	<p>Identify opportunities for recharge (including retention/settling basins, rainfall collection, small scale structures for improving baseflows, and other small scale storage opportunities). Encourage and work with individual landowners to construct small storage, infiltration or additional retention/settling basins to improve baseflows in the summer. Consider the Laird Park (ID) site as a demo site for local Conservation Districts in the NFP to show to interested landowners.</p> <p>Areas to consider in the NFP MA include outside Harvard, Old Mill Site west of Potlatch (flat plane for flood control), Strychnyne Creek (on stream reservoir), and above Laird Creek (dam).</p>	<p>City of Moscow, City of Pullman, Colfax, Albion, Counties, CDs</p>	<p>Ecology, IDEQ, IDWR, USFS, NRCS, Individual landowners</p>	<p>CAPITAL</p>

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Unique Identifier	DIP Action Description	Lead Entity/ Project Sponsor ^{1,2}	Supporting Entity ^{2,3}	Implementation Notes
BW-10	<p>Identify and prioritize areas to implement the following strategies to improve stormwater management and treatment and increase groundwater infiltration:</p> <ol style="list-style-type: none"> 1. sediment basins 2. infiltration trenches 3. swales / wetlands 4. rural/urban drainage ditch upgrades <p>This action is applicable in the following locations of the CC, RC, NFP and LP management areas:</p> <p>CC:</p> <ol style="list-style-type: none"> 1. Drainage facilities on rural roads 2. City of Sprague drainage ditches <p>RC:</p> <ol style="list-style-type: none"> 1. Drainage facilities on rural roads 2. City of Lamont drainage ditch <p>NFP: Drainage facilities on rural and urban roads</p> <p>LP: Drainage facilities on rural roads</p>	Counties, WSDOT, Cities and Towns in NFP	All development in CLP, Towns in CLP, CDs in CLP, NRCS, State Transportation Departments except WSDOT	CAPITAL if tied to a specific project and location.
BW-22	Provide background information on water banking to the Planning Unit. Planning Unit to consider recommending that the Washington state legislature revise the statute to provide for water banking in WRIA 34, allowing unused water to be sold/leased to other users commensurate with current statutory and case law.	Washington State Legislature, Ecology	IDWR, Planning Unit	--
BW-23	<p>Support Adams CD in water quality sampling for temperature, pH, dissolved oxygen, nutrients, phosphorus, etc.</p> <p>Adams CD is obligated to: "Include water quality sampling and analysis of the mouths of Cow Creek and Rock Creek in the Palouse River Mainstem TMDL studies."</p>	Adams CD (see action for obligations)	CDs except Adams CD, Ecology	--

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Unique Identifier	DIP Action Description	Lead Entity/ Project Sponsor ^{1,2}	Supporting Entity ^{2,3}	Implementation Notes
BW-25	<p>Conduct further characterization of groundwater for potential contamination from nitrates using existing data (USGS, WDOH, etc), identify risk areas and develop and implement management strategies to reduce nitrate contamination.</p> <p>Options for focusing activities include: hand dug / shallow wells (300 ft or above), proximity to sewer / fertilizer runoff lift stations, and recharge areas.</p>	WDOH	CDs, Counties, Cities and Towns in NFP, Ecology, NRCS, WSU Extension, PBAC, Planning Unit, IDEQ, IDWR	--
BW-26	<p>Establish and promote the following BMPs for erosion control for pasture, rangeland, cropland, and forest land. Options include:</p> <ul style="list-style-type: none"> • bank stabilization • riparian buffers • grazing management systems • Conservation tillage • Divided slopes • Minimize conventional summer fallow • Strip cropping • Feedlot placement • Use of site-based NRCS manuals • Forest road stabilization and abandonment <p>Provide incentives to landowners to implement BMPs.</p> <p>Specific areas to consider include Hooper in the CC management area.</p>	CDs	Counties in NFP, Individual Landowners, NRCS, WSDA, WSU Extension, WDFW, Ecology, USFS, ISCC, IDEQ	CAPITAL if tied to a specific project and location.
BW-30	When appropriate for resource conservation objectives, develop cost-share program to promote use of chemical fallow vs. summer fallow.	CDs	--	--

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Unique Identifier	DIP Action Description	Lead Entity/ Project Sponsor ^{1,2}	Supporting Entity ^{2,3}	Implementation Notes
BW-31	<p>Characterize surface water for potential contamination from fecal coliform. Identify sources of fecal coliform (e.g., agricultural runoff or natural populations of waterfowl and/or other species) using best available practices. Identify and prioritize locations to implement strategies to reduce fecal coliform levels. Consider implementing the following strategies to reduce fecal coliform levels:</p> <ol style="list-style-type: none"> 1. Enhance riparian areas / buffers 2. Minimize direct discharge from livestock operations (feedlots and/or grazing) 3. Out of stream watering of livestock 4. Identify and address septic systems 5. Explore waterfowl management options 6. Reduce or eliminate combined sewage overflows 7. Expanded lagoons/lines aerated lagoons 8. Urban sources 9. Inventory/dye testing of septic systems adjacent to floodplains and waterways 10. Other applicable BMPs 11. Monitoring 12. Education/outreach 	CDs, Counties	Planning Unit, Ecology, Individual landowners, NRCS, WSU Extension, USFS, WDOH, WDFW, IDEQ	Some projects could be eligible for CAPITAL funding.

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Unique Identifier	DIP Action Description	Lead Entity/ Project Sponsor^{1,2}	Supporting Entity^{2,3}	Implementation Notes
BW-32	Work with individual livestock owners/managers to review management practices, and implement the following BMPs through grants and other programs to limit water quality impacts: 1. livestock BMPs (specific to type of animal), 2. monitoring, 3. expanded lagoons / lined aerated lagoons, 4. nutrient management plans.	CDs in NFP	CDs except CDs in NFP, Ecology, IDEQ, Individual landowners, NRCS, WSU Extension, ISCC	--
BW-44	Conduct further inventory of septic systems, and identify and evaluate potential options to repair systems and reduce waste from entering surface waters and water quality impacts (evaluate opportunities for assistance to landowners for repairs).	Counties	IDEQ, Individual landowners, NRCS, USFS, Ecology, WDOH, WSU Extension	--
BW-49	Provide additional resources to CDs to increase individual farm and urban household BMP planning and implementation assistance.	CDs, NRCS, WSCC	ISCC, Planning Unit, Counties in CLP, DNR, Towns in CLP, Ecology	--
CC and RC-1	Re-establish gauging stations on lower Cow Creek and Sprague Lake and establish a network of gauges to manage water effectively.	Ecology	CDs in CRC, USGS	Sprague Lake gauge was funded and installed.
CC-1	Cow Creek Well Decommissioning & Casing Project. Locate, case and/or decommission wells that have been identified as cascading from the upper to lower aquifers.	Adams CD	Ecology	CAPITAL

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CC-12	Assess water supply and projected demand due to growth in Medical Lake.	Medical Lake (obligated entity)	Spokane County, Ecology	--
NFP and SFP-2	Further develop the feasibility of enhanced infiltration at the basement-basalt contact at Kamiak Butte, with preference for an infiltration ditch that would follow the contact between the basalt and the basement rocks. Consider the North Fork and Fourmile Creek as potential sources of water for infiltration. Conduct surface water sampling to support assessment of treatment options for water diverted from the North Fork of the Palouse River and Fourmile Creek.	PBAC	USGS, Ecology, CDs in NFP	Funded. CAPITAL. The feasibility study was funded by Ecology in 2006 and has been documented in a recent report (Golder and HDR, 2008). Based on the results of this study, the Planning Unit agreed that enhanced infiltration of water at surface is unlikely to be effective to enhance recharge to the basalts.
NFP-7	Develop instream flow package for North Fork Palouse; establish minimum instream flows for North Fork Palouse River. Consider a partial closure during low flow summer months; along with a reservation for year round domestic and municipal use and a maximum allocation during high flow; consider water reservation for storage.	Ecology	CDs in NFP, WDFW, Planning Unit	ONGOING
NFP-15	Secure funding to implement the 14 water quality actions referenced in the 2002 North Fork Palouse River Watershed Management Plan.	Planning Unit	--	--

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NFP-16	Identify funding opportunities to address TMDL concerns on the mainstem Palouse River in Washington and in Idaho.	--	CDs in NFP, Ecology, Planning Unit	Ongoing and/or funded. Centennial Clean Water Grant/Loan funds, 319 Nonpoint Pollution Grant funds, and 319 Direct Implementation funds (a subset of the nonpoint pollution funds).
SFP-7	Carbon 14 dating of Sediments of Bovil and Vantage well water.	PBAC	--	--
SFP-8	Develop more detailed Grande Ronde flow maps by comprehensive basalt sampling/chemistry	PBAC	--	--
SFP-15	If feasible, develop pilot scale ASR program(s) using existing wells/water system infrastructure.	--	City of Pullman, WSU, Ecology, CDs in SFP	CAPITAL
SFP-19	Paradise Creek/Palouse Mall Area Aquifer Recharge Study.	PBAC	CDs in SFP, Ecology, IDEQ, IDWR	CAPITAL
SFP-20	Further develop the preliminary feasibility of enhanced infiltration at the crystalline bedrock-basalt margins as a long-term groundwater level management tool. Conduct an investigation including the use of geophysics and test pits to determine if the contact can be identified and exposed.	PBAC	CDs in SFP, USGS, Ecology	CAPITAL

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 - Towns in CLP include Colton, Endicott, Farmington, Genesee (ID), LaCrosse, Malden, Oakesdale, Rosalia, Saint John, and Uniontown.
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 - Cities and towns in NFP include Palouse, Potlatch (ID), and Onaway (ID).
 - Counties in NFP include Whitman, Latah (ID), and Benewah (ID).SFP CDs, cities, towns, and counties:
 - CDs in SFP include Palouse CD, Whitman County CD and Latah SWCD.
 - Cities in SFP include Colfax, Pullman, and Moscow (ID).
 - Towns in SFP include Albion.
 - Counties in SFP include Whitman and Latah (ID).
3. An organization / individual that is in support of an action and therefore, collaborates as needed on action items, working in coordination with the lead entity; supports action funding strategies; and dedicates in-kind support and/or funding when possible.

TABLE 2-6**Tier 3 Projects/Actions and Studies/Assessments**

Unique Identifier	DIP Action Description	Lead Entity/ Project Sponsor^{1,2}	Supporting Entity^{2,3}	Implementation Notes
BW-3	Provide opportunities for voluntary water quality sampling on private wells (sample kits).	WDOH	CDs, Counties, Cities and Towns in NFP, Ecology, NRCS, WSU Extension, IDEQ	--
BW-6	Identify and prioritize areas for potential wetland creation, restoration, and enhancement for storage purposes and enhancement and/or restoration of natural floodplain, riparian or wetland areas.	CDs, Counties, NRCS	Ecology, Individual Landowners, WSU Extension, IDEQ, IDWR, Cooperative Extension	--
BW-27	Identify and prioritize sites for bank stabilization and implement activities to minimize water quality impacts from flood events. Specific area to consider includes the mainstem Palouse River.	--	CDs in NFP, Ecology, IDEQ, IDWR, USACE, WDFW	--
BW-28	Conduct further characterization of sediment sources, and identify and evaluate potential options to reduce sediment loads entering surface waters. Options could include: 1. BMPs for agriculture, range, forest (forest road stabilization and abandonment). 2. Rural Roadway BMPs 3. Streambank stabilization, cropping systems, livestock management, and other practices	CDs in CRC and CLP, USFS	CDs in SFP and NFP, Counties, Ecology, Individual landowners, IDEQ, NRCS, WSU Extension, IDWR, Latah County Highway District, WSDOT, WDFW	--

TABLE 2-6**Tier 3 Projects/Actions and Studies/Assessments**

Unique Identifier	DIP Action Description	Lead Entity/ Project Sponsor^{1,2}	Supporting Entity^{2,3}	Implementation Notes
BW-29	Work with individual landowners to review pesticide and fertilizer use and implement the following BMPs to limit water quality impacts: 1. Implement nutrient management plans on agriculture / rangelands 2. Follow labels for appropriate application 3. Evaluate and support opportunities for funding of high precision agricultural systems to reduce pesticide use 4. Reduce nutrient loading to local waterbodies 5. Enhance riparian areas 6. Urban/rural education program 7. Conservation tillage 8. Cleaning equipment 9. Buffer zones	CDs	Ecology, IDEQ, WSDA, WSU Extension, NRCS, Individual irrigators, Individual Landowners, ISCC	--
BW-47	Identify opportunities and implement targeted one-on-one outreach on land management planning and practices.	CDs	IDFG, NRCS, USFS, WSU Extension	--
CC and RC-4	Identify and prioritize selected areas for storage of excess runoff during peak flows, including aquifer storage in increments on river reaches.	Adams CD	CDs in CRC except Adams CD, Ecology	CAPITAL
CC-5	Collect additional flow and elevation data at the inlet and outlet of Sprague Lake and key locations between Sprague Lake and Hooper and compare to flows throughout the Cow Creek system to establish a reliable data set to confirm when water is likely to be available for storage in Sprague Lake and impacts of storage in Sprague Lake.	CDs in CRC	Ecology	--
CC-6	Develop monthly water balance estimates for Sprague Lake by installing an evaporation pan and flow monitoring and water level elevation gauges.	CDs in CRC	Ecology, USGS	--

TABLE 2-6**Tier 3 Projects/Actions and Studies/Assessments**

Unique Identifier	DIP Action Description	Lead Entity/ Project Sponsor^{1,2}	Supporting Entity^{2,3}	Implementation Notes
CC-7	Convene a PU Subcommittee to discuss storage options in the Cow Creek Subbasin during high flows and how they would be implemented. Determine whether this is possible given the Adjudication. If mutually beneficial, discuss a maximum allocation associated with water use during high flows.	Planning Unit	CDs in CRC, Ecology	--
CC-9	Assess additional storage feasibility, including surface water losses to groundwater, for Cow/Hallin Lake, Finnell Lake, and Sheep Springs Reservoir.	CDs in CRC	Ecology	--
CC-10	Determine availability of surface water above Sprague Lake for storage or use downstream.	Ecology	Planning Unit	--
CC-15	Convene a PU Subcommittee to work on an instream flow package for the Cow Creek Subbasin. Consider package components: 1. Partial closure to address groundwater use and include along with that closure a reservation for uninterrupted water for domestic, municipal, and stockwater purposes, and storage. 2. Define an acceptable daily use level for permit exempt wells and other single family households. 3. Meter new water uses to verify that the water use levels applied to the reservation are accurate. 4. Apply findings on groundwater and surface water interaction (actions CC and RC-3 and CC-12) to develop instream flow package in Cow Creek.	Planning Unit, CDs in CRC	Ecology, WDFW	--
CC-20	Conduct Cheney WWTP Effluent Discharge Relocation Study.	--	City of Cheney, Ecology	--

TABLE 2-6**Tier 3 Projects/Actions and Studies/Assessments**

Unique Identifier	DIP Action Description	Lead Entity/ Project Sponsor^{1,2}	Supporting Entity^{2,3}	Implementation Notes
LP-4	Identify the source(s) of foaming (potential organics or detergent sources) that occurs on the mainstem Palouse River, and then identify and implement corrective actions to address the cause of the foaming on the mainstem Palouse River.	Ecology	CDs in CLP, ISCC, NRCS, IDEQ	--
LP-5	Assist the City of Endicott in securing grant funding to implement its water system C.I.P. to improve system storage, fire flow, conservation and reliability.	City of Endicott	WDOH	Possible recommendation to WDOH.
NFP and SFP-1	Further develop the concept of aquifer recharge using recharge wells to stabilize and recover aquifer levels in both the Wanapum and Grand Ronde basalts. Educate and involve the public in water management options.	PBAC	CDs in NFP, Ecology, Pullman, WSU, IDWR, CDs in SFP	--
NFP-5	Survey small communities within the watershed for water management / supply issues and projects; query regarding economic development being limited by water availability.	Counties in NFP	CDs in NFP, Counties, Planning Unit	--
NFP-12	Investigate legality of use of gray water and evaluate impacts to surface water flows.	Cities and Towns in NFP	Counties in NFP, Ecology, IDEQ, IDWR, Individual landowners, Non-profit organizations	--
NFP-13	Evaluate the feasibility, cost and funding sources for a sewer extension for eastside Palouse.	City of Palouse	Ecology	--
SFP-1	Install permanent gauging on Fourmile Creek.	--	Palouse CD, USGS	--
SFP-11	Develop a 3-D model of the geology of the Palouse Basin Aquifer.	PBAC	USGS	--
SFP-12	Completion of 1:24,000 scale geologic maps for the Colfax South, Garfield, and Ewartsville quads.	PBAC	USGS	--
SFP-13	Completion of 1:48,000 and 1:100,000 scale geologic map of the Palouse Basin Aquifer.	PBAC	USGS	--

TABLE 2-6**Tier 3 Projects/Actions and Studies/Assessments**

Unique Identifier	DIP Action Description	Lead Entity/ Project Sponsor^{1,2}	Supporting Entity^{2,3}	Implementation Notes
SFP-18	Rainfall/Wanapum well correlation study to determine recharge areas and amounts.	PBAC	Ecology, IDWR, IDEQ	--
SFP-22	Palouse Aquifer Water Chemical Analysis Study.	Pullman	--	--

Notes

1. An organization / individual that is primarily responsible for the completion of the action and guides other agencies collaborating on the action. The lead is in charge of securing funding for the action. Actions where no obligated entity is identified in parenthesis after the entity name are defined as Watershed Management Plan Recommendations (desirable actions intended to help meet or address one or more of the planning objectives).

2. CRC CDs, cities, towns, and counties:

- CDs in CRC include Adams County CD, Lincoln County CD, Palouse Rock Lake CD, Pine Creek CD, and Spokane County CD.
- Cities in CRC include Medical Lake and Sprague.
- Towns in CRC include Lamont.
- Counties in CRC include Adams, Lincoln, Spokane, and Whitman.

CLP CDs, cities, towns, and counties:

- CDs in CLP include Adams County CD, Latah SWCD, Pine Creek CD, Palouse CD, Palouse Rock Lake CD, Spokane County CD, and Whitman County CD.
- Towns in CLP include Colton, Endicott, Farmington, Genesee (ID), LaCrosse, Malden, Oakesdale, Rosalia, Saint John, and Uniontown.
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NFP CDs, cities, towns, and counties:

- CDs in NFP include Palouse CD, Latah SWCD, Whitman County CD, and Palouse Rock Lake CD.
- Cities and towns in NFP include Palouse, Potlatch (ID), and Onaway (ID).
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SFP CDs, cities, towns, and counties:

- CDs in SFP include Palouse CD, Whitman County CD and Latah SWCD.
- Cities in SFP include Colfax, Pullman, and Moscow (ID).
- Towns in SFP include Albion.
- Counties in SFP include Whitman and Latah (ID).

3. An organization / individual that is in support of an action and therefore, collaborates as needed on action items, working in coordination with the lead entity; supports action funding strategies; and dedicates in-kind support and/or funding when possible.

TABLE 2-7**Tier 4 Projects/Actions and Studies/Assessments**

Unique Identifier	DIP Action Description	Lead Entity/ Project Sponsor^{1,2}	Supporting Entity^{2,3}	Implementation Notes
BW-2	Upgrade diversions to install measuring devices where needed.	Individual irrigators	Ecology	--
BW-24	Conduct microbial source tracking (including DNA, RNA ribotyping, and other new techniques) and analysis of bacteria to identify sources.	--	CDs in CLP, IDEQ	--
CC and LP-1	Coordinate supporting information with Adams Conservation District water quality monitoring studies for fecal coliform and nutrients on Cow Creek and baseline nutrient and other water quality information on CLP.	Adams CD	Ecology	--
CC-8	Study feasibility of storing water in Sprague Lake to rehabilitate lake for recreation.	--	Planning Unit, CDs in CRC	--
CC-11	Further evaluate feasibility, including costs and benefits of flood control for the City of Sprague.	City of Sprague	Ecology, USACE	--
CC-13	Determine feasibility of pumping water (at sustainable levels) from deep aquifer wells to enhance surface flows in Cow Creek.	--	CDs in CRC, Ecology	--
CC-17	Seek funding sources for off-site stock watering sites (estimated requirement is one supply site per mile for riparian grazing areas).	Adams CD	CDs in CRC except Adams CD, Ecology	--
CC-18	Construct Fish Passage Barrier on Cow Creek below Sprague Lake to prevent repopulation of Sprague Lake with undesirable species.	--	WDFW	--
CC-19	Study the potential use of aquatic plants (e.g., duck weed or native species) that can be used to reduce or eliminate algal blooms in Sprague Lake.	--	WSU Extension	--
LP-1	Determine feasibility of stream re-engineering to improve flows and water quality.	CDs in CLP	Ecology, IDEQ, NRCS, IDWR	--

TABLE 2-7**Tier 4 Projects/Actions and Studies/Assessments**

Unique Identifier	DIP Action Description	Lead Entity/ Project Sponsor^{1,2}	Supporting Entity^{2,3}	Implementation Notes
LP-3	Secure additional water supply/water rights	Colton	Ecology	COMPLETE. The town of Colton's water right transfer was completed Nov. 2007.
NFP-4	Enhance and/or restore wetlands at the following locations with willing landowners; evaluate incentive-based approaches to wetland restoration: 1. City of Potlatch – old mill site, 2. Upper forest meadows (USFS)	USFS, Latah CD	CDs in NFP except Latah CD, Ecology, IDEQ, IDWR, NRCS	--
NFP-11	Review and evaluate key strategies for water management from Clearwater National Forest Management Plan, state practices and forest practices to use in water management planning throughout the management area.	Planning Unit	USFS	--
SFP-17	Conduct an economic evaluation/feasibility study that addresses, with other new supply options, supply development (i.e. "harvesting") opportunities, and compare costs.	PBAC	Ecology, IDWR	--

TABLE 2-7**Tier 4 Projects/Actions and Studies/Assessments****Notes**

1. An organization / individual that is primarily responsible for the completion of the action and guides other agencies collaborating on the action. The lead is in charge of securing funding for the action. Actions where no obligated entity is identified in parenthesis after the entity name are defined as Watershed Management Plan Recommendations (desirable actions intended to help meet or address one or more of the planning objectives).
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3. An organization / individual that is in support of an action and therefore, collaborates as needed on action items, working in coordination with the lead entity; supports action funding strategies; and dedicates in-kind support and/or funding when possible.

TABLE 2-8
Recommendations¹

Unique Identifier	DIP Action Description	Lead Entity/ Project Sponsor^{2, 3}	Supporting Entity^{3, 4}	Implementation Notes
BW-4	Continue to support regional (Washington and Idaho) management efforts and solutions for Grand Ronde aquifer decline.	--	Ecology	--
BW-5	Continue to support and fund research and study efforts for determining characteristics and solutions for declining Grand Ronde aquifer.	--	Ecology	--
BW-8	Enhance existing surface water storage in reservoirs and/or lakes.	CDs	Ecology	Projects need to be thoroughly evaluated for their appropriateness; the Columbia River Water Management Program is currently funding a Rock Lake storage feasibility study.
BW-11	Implement updated stormwater management requirements, BMPs, and plans (consistent with the Eastern Washington Stormwater Manual or Idaho equivalent) for existing and/or new developments and roadways.	Cities and Towns, Counties	Ecology, NRCS, Latah County Highway Districts	--
BW-12	Adopt the Eastern Washington Stormwater manual and/or develop updated stormwater management requirements.	--	State, Counties, Cities, Towns	--
BW-13	Implement aquifer storage and recovery (ASR) and reuse to meet potable water demand and to offset groundwater use.	Cities and Towns	--	--
BW-14	Support efforts of municipalities to develop alternative water supplies.	Ecology (obligated)	WDOH	--

TABLE 2-8
Recommendations¹

Unique Identifier	DIP Action Description	Lead Entity/ Project Sponsor ^{2, 3}	Supporting Entity ^{3, 4}	Implementation Notes
BW-17	In the future Ecology should involve the PU in any future studies, study recommendations and rule-making from instream flow studies in WRIA 34 and should include existing information collected during the instream flow needs assessment in future rulemaking. Instream flows should be developed in a balanced fashion considering regional aquifer issues, future growth and environmental concerns.	Ecology (obligated)	Planning Unit, WDFW (obligated)	--
BW-19	WDOH to provide technical assistance and work with water utilities to set goals and implement individual conservation programs as appropriate and compliant with WAC 246-290. Items to be considered include: 1. System water audits, 2. Leak detection and repair, 3. Source metering, 4. Consumer metering, 5. Consumption/seasonal rates, 6. Bills with consumption history, 7. Reuse of reclaimed water, 8. Plumbing retrofit kits, 9. User water audits, 10. Landscaping/irrigation guidelines, 11. User education, 12. Secure funding for implementation.	Cities and towns, Public Water Systems, WDOH	--	--
BW-20	Consider supporting legislation to provide incentives to water rights holders to conserve water.	Washington State Legislature	Ecology, IDWR, Planning Unit	--
BW-21	Study the impacts, effectiveness, and water savings of abolishing Ecology's "use it or lose it" policy with respect to water rights.	--	Ecology	Recommendation to Ecology

TABLE 2-8

Recommendations¹

Unique Identifier	DIP Action Description	Lead Entity/ Project Sponsor ^{2, 3}	Supporting Entity ^{3, 4}	Implementation Notes
BW-33	Review and update, as needed, best-available-science-based riparian buffer zones and critical areas regulations.	USFS, Counties, Cities and Towns in NFP	Cities in SFP, Towns in SFP, Ecology, WDFW, Cooperative Extension, IDFG, IDWR, NRCS, Towns in CLP	--
BW-34	Evaluate effectiveness of critical areas ordinances; modify ordinances to improve effectiveness as necessary.	Cities and Towns in NFP, Counties	Ecology	--
BW-35	Implement/enforce land use and management regulations by appropriate agencies to protect critical areas and pristine areas of the management area (e.g. critical areas and shorelines programs).	Cities and Towns, Counties, USFS	Ecology, WDFW	--
BW-36	Consider fisheries management and recreational fishing in conjunction with enhancement of natural lake storage.	WDFW	--	Recommendation to WDFW
BW-37	Evaluate pros and cons of conducting Use Attainability Analysis (UAA) for meeting water quality standards. Include Planning Unit in discussions. Revise water quality standards (e.g. temperature) to reflect local conditions. Specific areas to consider include Paradise Creek and the South Fork Palouse.	Ecology	Cities in SFP, Planning Unit, IDEQ	--
BW-38	Planning Unit members should actively participate in state TMDL process to ensure that PU concerns are reflected, specifically with regard to voluntary management actions to reduce pollutant loads.	Planning Unit, Ecology (obligated for including the Planning Unit in the TMDL process)	--	ONGOING
BW-39	Planning Unit Support Beyond Phase 4.	CDs	Cities and Towns, Counties, Ecology	--

TABLE 2-8
Recommendations¹

Unique Identifier	DIP Action Description	Lead Entity/ Project Sponsor ^{2, 3}	Supporting Entity ^{3, 4}	Implementation Notes
BW-40	Fulfill lead agency responsibilities for watershed plan implementation: 1. Intergovernmental coordination and communications 2. Pursue additional funding 3. Monitor plan implementation 4. Information clearinghouse 5. Support specific strategies 6. Identify issues/ barriers to be addressed 7. Targeted public outreach 8. Prepare annual progress report 9. Coordinate watershed plan updates 10. Administrative support	Palouse CD	0	Recommendation to Palouse CD
BW-41	Increase access to Federal Implementation Funding.	CDs	USDA	--
BW-42	Work with WRIA 34 regarding water management and policy decisions within watershed for identified WRIA 34 policy and management priorities.	--	Ecology, WDFW	--
BW-43	Use Ecology's start card filing database to alert team of local geologists of wells that are planned in the Palouse.	--	Ecology	--
BW-45	Conduct public education program on TMDL and water quality standards.	Ecology (obligated)	CDs, IDEQ	--
BW-46	Increase awareness by development and implementation of an education program targeting septic system issues.	WDOH	Counties in NFP, Individual landowners, NRCS, USFS, Ecology, WSU Extension, IDEQ	--

TABLE 2-8
Recommendations¹

Unique Identifier	DIP Action Description	Lead Entity/ Project Sponsor ^{2,3}	Supporting Entity ^{3,4}	Implementation Notes
CC and RC-2	Encourage Whitman County to form a Groundwater Management Area (GWMA) in order to increase support for characterizing the regional hydrogeology and developing sound groundwater management strategies.	--	Whitman County, Planning Unit	This action may be unnecessary if future instream flow rule includes adequate groundwater management strategies.
CC-3	Optimize the use of existing storage facilities throughout the Cow Creek subbasin when there is water in streams over and above that needed to satisfy senior water rights.	CDs in CRC	Ecology, USACE	--
CC-4	Consider granting a storage right for Sprague Lake to store water between the minimum and maximum adjudicated level. Concerns such as flooding, property damage, etc. may need to be addressed along with a cost-benefit analysis and completion of the SEPA process.	Ecology	Planning Unit	--
CC-14	Provide technical assistance in evaluating the Cow Creek instream flow study, establish minimum instream flows for Cow Creek (if warranted), and consider pending water rights applications when setting instream flows.	Ecology	--	--
CC-16	Manage water rights/uses consistent with prior adjudication.	Ecology	--	--
LP and RC-3	Conduct a TMDL study for bacteria, temperature, and dissolved oxygen in the Central Lower Palouse management area. Include sampling at the mouths of the major tributaries.	Ecology (obligated)	IDEQ	--
LP and RC-4	Improve and streamline permitting process for bank stabilization and other projects.	USACE	WDFW, Counties in CLP	--

TABLE 2-8
Recommendations¹

Unique Identifier	DIP Action Description	Lead Entity/ Project Sponsor^{2,3}	Supporting Entity^{3,4}	Implementation Notes
LP-2	Consider the concerns of the Planning Unit in future instream flow rule-making, including: 1. Implementing a partial closure to enable storage 2. Reservation for uninterruptible water rights for domestic and municipal use, and a maximum allocation for potential future storage.	Ecology	CDs in CLP, Planning Unit	--
NFP-6	Obligate agencies to collaborate with and assist in identifying funding for developing a full instream flow package for the North Fork Palouse to support quantification of flows, a reservation, and maximum allocation. Assist in identifying funding to educate the Planning Unit/community on instream flow setting.	Ecology (obligated), WDFW (obligated)	CDs in NFP, Planning Unit	ONGOING
NFP-8	Manage local development to minimize impacts to natural resources.	Cities and Towns in NFP	Counties in NFP, WDFW, Ecology	--
NFP-9	Encourage water re-use systems and stormwater management plans for new construction.	Cities and Towns in NFP	Counties in NFP, Ecology, Individual landowners, Non- profit organizations	--
NFP-10	Evaluate and review the impact of the Idaho Forest Practices Act on water quality.	--	IDL, IDEQ	--
NFP-14	Encourage public participation in the TMDL process.	--	CDs in NFP, Ecology, IDEQ	ONGOING?
SFP-21	Conduct tentative determination of status and validity of existing surface water rights, claims, certificates and permits (including riparian stockwater rights), including place of use, point of diversion and usage information for existing water right holders.	--	--	--
SFP-23	Encourage low impact development and sustainable growth strategies to limit impacts to water resources.	Counties in SFP	Cities and Towns in SFP	--

TABLE 2-8
Recommendations¹

Unique Identifier	DIP Action Description	Lead Entity/ Project Sponsor ^{2, 3}	Supporting Entity ^{3, 4}	Implementation Notes
SFP-24	Support Pullman and WSU efforts to obtain funding (Legislature and other sources) for wastewater reuse project.	--	Ecology	Ecology has obligated to fund a portion of the project.
SFP-26	Continue the “Palouse Water Summit” as an annual event to discuss Palouse Watershed water resources issues in a public forum.	Palouse CD	Cities in SFP, U of I, WSU, Counties in SFP, Ecology, USGS	--

TABLE 2-8**Recommendations¹****Notes**

1. These are DIP recommendations. The definition of a “recommendation” in this DIP is different to the definition in the Watershed Management Plan. A DIP recommendation is a policy statement and statement of support by the WRIA 34 Planning Unit for another entity to continue existing activities, develop programs, or implement a project (see Section 2.1). A Watershed Management Plan recommendation is a desirable action intended to help meet or address one or more of the planning objectives.
2. An organization / individual that is primarily responsible for the completion of the action and guides other agencies collaborating on the action. The lead is in charge of securing funding for the action. Obligated entities are organizations / individuals that accepted the obligation to complete the action. Actions where no obligated entity is identified in parenthesis after the entity name are defined as Watershed Management Plan Recommendations (desirable actions intended to help meet or address one or more of the planning objectives).
3. CRC CDs, cities, towns, and counties:
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 - Towns in CLP include Colton, Endicott, Farmington, Genesee (ID), LaCrosse, Malden, Oakesdale, Rosalia, Saint John, and Uniontown.
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Table 7-1 is on page 38 of the text.

TABLE 8-1

Estimated Inchoate Water Rights in WRIA 34

Municipal Water Provider in WRIA 34	Water System ID #	Contact	Residential Connections	Total Connections	Approved Connections	Total connections available for future growth	Total Water Right Q_i	Total Water Right Q_a	Water System Use Q_i^2	Water System Use Q_a^2	Estimated Inchoate Water Rights ³	Estimated Inchoate Water Rights ³	Are the existing water rights adequate to support future growth for next 20 years? (YES or NO) If NO, please explain	Notes
							(gpm)	(Acre-ft/yr)	(gpm) ¹	(Acre-ft/yr) ¹	(gpm)	(Acre-ft/yr)		
City of Pullman	69880V	Kevin Gardes	4,072	4851	-	-	7,825	4,639	4,151	2,965	3,674	1,674	Yes	Information from returned form
Washington State University	93200	Rob Corcoran	3,965	4,215	-	-	5,000	5,300	2,114	1,495	2,886	3,805	Yes	Information from returned form
City of Cheney	12400	Victor Anderson	1,887	1,887	-	-	5400	6114	-	1455	-	4,659	Yes	Information taken from WRIA 56 DIP
City of Medical Lake	53400	Daniel Dorshorst	1,332	1,546	unspecified		2,520	3,680	1,960	814.4	560	2,866	Yes	Information from returned form
Fairchild Air Force Base	24350	Joseph Duricic	1,091	1,315	-	-	1,000	1,545.8	954	10.3	46	1,535.5	Yes	Information via email communication. Only Well #2 is in WRIA 34, the other water sources are located in WRIA 54
City of Colfax	14000	Elmer Rogers	959	959	-	-	2,370	1,384	616	423	1,754	961	Yes	Information on inchoate water rights obtained from the document <i>Final North Fork Water Use Technical Memorandum</i> (Golder Associates, May 15, 2007).
City of Palouse	65800	Dwayne Griffin	526	564	-	-	1,150	600	162	111	988	489	Yes	Information on inchoate water rights obtained from the document <i>Final North Fork Water Use Technical Memorandum</i> (Golder Associates, May 15, 2007).
City of Albion	00800	Ken Smith	330	330	430	100	-	450	600	77.9	-	372.1	Yes	Information from returned form
Town of Rosalia	74250	Ken Jacobs	312	321	-	-	1,300	398	400	166	900	232	No - see note	Information from returned form. Note on form stated "We are looking for more water rights to purchase in the future to allow our town to continue to grow. It would be devastating to all our small communities to consider the take-away of water rights by the state should a small community not use a right for 5 years.
City of Garfield	27200	David Ulrick	261	291	-	-	900	1,450	345	185	555	1,265	Yes	Information on inchoate water rights obtained from the document <i>Final North Fork Water Use Technical Memorandum</i> (Golder Associates, May 15, 2007).
City of Sprague	83150	Chris Canaday	258	258	270	12	600	202	636	169	-36	33	No	Information obtained from water system plan completed in 2001.
Town of Oakesdale	62700	Keith Oney	204	234	300	66	-	426.5	-	-	-	-	Unknown	Information from returned form
City of Colton	14100	Bill Frye	167	188	215	27	342	-	71	114	271	-	Yes	Information obtained from water system plan completed in 2005

TABLE 8-1

Estimated Inchoate Water Rights in WRIA 34

Municipal Water Provider in WRIA 34	Water System ID #	Contact	Residential Connections	Total Connections	Approved Connections	Total connections available for future growth	Total Water Right Q_i	Total Water Right Q_a	Water System Use Q_i^2	Water System Use Q_a^2	Estimated Inchoate Water Rights ³	Estimated Inchoate Water Rights ³	Are the existing water rights adequate to support future growth for next 20 years? (YES or NO) If NO, please explain	Notes
							(gpm)	(Acre-ft/yr)	(gpm) ¹	(Acre-ft/yr) ¹	(gpm)	(Acre-ft/yr)		
City of Endicott	23400	Michael Issacs	173	173	270	97	380	100	380	-	0	0	No - Water system plan forecast states they will be 83 AF short in 20 years	Information obtained from water system plan completed in 2006 but has not yet been approved by DOH.
Uniontown Water Works	90400	Brandon Schell	163	163	295	132	435	220	58	94.2	377	125.8	Yes	Information obtained from water system plan completed in 2004
City of Malden	50550	John Goyke	120	126	130	4	150	58	150	31	0	27	No - no explanation provided	Information from returned form
Strathview Water District 16	84620	Daniel Dorshorst	108	108	125	17	-	-	20.6	-	-	-	Unknown	Information obtained from water system plan completed in 2000. Plan states the system currently receives all of its water from the City of Medical Lake. Water system plan is currently expired and being updated.
Four Seasons Campground	46661	Scott Haugen	1	43	43	0	-	-	-	-	-	-	Yes	Information from returned form. No info given on the water right. Note says "they don't believe they qualify as a municipal water supplier do to the low number of people at the campground. In the future they may build a house in some other undeveloped property."
Williams Lake Beach Club	09280	Mark Kimm	38	38	49	11	-	52.9	-	7.98	-	44.87	Yes	Information from returned form
Sunset Mobile Court	86130	Ken Smith	35	35	35	0	-	45	45	-	-	-	Unknown	Information from returned form. Water meter was just installed in July 2007

Notes

gpm = gallons per minute

- = information not available or not applicable

1. Master meter total or highest annual volume used

2. Water system use is for the year 2007 unless information was obtained from water system plan or other resource as identified.

3. Estimated Inchoate water rights is defined as the total water right minus the water system use.