

2. Assess, Set & Enhance Instream Flows

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3. Target: 5 rule proposals (WR11) Brian Walsh 407-6647	Q1: 07-09 Jul-Aug-Sep 07		Q2: 07-09 Oct-Nov-Dec 07		Q3: 07-09 Jan-Feb-Mar 08		Q4: 07-09 Apr-May-Jun 08		Totals FY 08		Q5: 07-09 Jul-Aug-Sep 08		Q6: 07-09 Oct-Nov-Dec 08		Q7: 07-09 Jan-Feb-Mar 09		Q8: 07-09 Apr-May-Jun 09		Totals FY 09
	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	
	1	1		0	3	0	1	0		1		2		0		0			

Comments: **TARGETS:** Q1: Wenatchee Q3: Lewis, Quilcene-Snow, Salmon-Washougal; Q4: E½ of Dungeness. **ACTUAL:** Q1: Wenatchee CR-102 Rule proposal filed 7/3/07; Walla Walla adopted 8/3/07. Q2, 3: no rule proposals these qtrs. Q4: Rule pre-proposals (CR-101) filed for Lewis (WRIA 27) and Salmon-Washougal (WRIA 28). Q5: Rule proposals filed (CR-102s) 7/23/08 for Salmon-Washougal (WRIA 28) and Lewis (WRIA 27). Rule development continues in Quilcene-Snow (WRIA 17) and Dungeness (East 1/2 of WRIA 18). Coordinating & developing schedule for rules. Received AGO guidance for interpretation of priority date for instream flow rules developed in watershed planning process. Q6: Rule development continues in Quilcene-Snow (WRIA 17). Q7: Preliminary draft rule for Quilcene-Snow WRIA 17 made available for comments.

4. Target: Adopt 6 instream flows rules. (WR03) Brian Walsh 407-6647	Q1: 07-09 Jul-Aug-Sep 07		Q2: 07-09 Oct-Nov-Dec 07		Q3: 07-09 Jan-Feb-Mar 08		Q4: 07-09 Apr-May-Jun 08		Totals FY 08		Q5: 07-09 Jul-Aug-Sep 08		Q6: 07-09 Oct-Nov-Dec 08		Q7: 07-09 Jan-Feb-Mar 09		Q8: 07-09 Apr-May-Jun 09		Totals FY 09
	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	
	1	1	1	1	2	--	2	2		4		0		2		0			

Comments: **TARGETS:** Q1: Walla Walla Q2: Wenatchee Q3: Lewis, Salmon-Washougal; Q4: Quilcene and E ½ of Dungeness. **ACTUAL:** Q1: Walla Walla adopted (CR-103) 8/3/07. Q2: Wenatchee (WRIA 45) rule adopted 12/11/07. Q3: Wenatchee amendment became effective 1/12/08. Q4: No rule adoptions for instream flows. Q5: No rule adoptions this quarter. Q6: Lewis (WRIA 27, Ch. 173-527 WAC) rule adopted 12/19/08. Salmon-Washougal (WRIA 28, Ch. 173-528 WAC) rule adopted 12/19/08. Ch. 173-592 WAC, Clark County Reservations, was repealed 12/19/08. Q7: No flows adopted this quarter.

5. Target: 30 out of 62 WRIsAs have rules. (WR10). Brian Walsh 407-6647	Q1: 07-09 Jul-Aug-Sep 07		Q2: 07-09 Oct-Nov-Dec 07		Q3: 07-09 Jan-Feb-Mar 08		Q4: 07-09 Apr-May-Jun 08		Totals FY 08		Q5: 07-09 Jul-Aug-Sep 08		Q6: 07-09 Oct-Nov-Dec 08		Q7: 07-09 Jan-Feb-Mar 09		Q8: 07-09 Apr-May-Jun 09		Totals FY 09
	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	
	62	28	62	28	62	28	62	28		62 28/62		62 28		62 30		62 30		62	

Comments: Q1: Actual is 28 out of 62 WRIsAs. The Walla Walla rule amended an existing rule. Q2: The Wenatchee rule amended an existing rule. Q3-Q5: No rule adoptions for instream flows. Q6: New rules adopted for Lewis (WRIA 27) and Salmon-Washougal (WRIA 28). Q7: No new rules this quarter.

6. Target: Acquire 10,000 annual acre-feet of water statewide (WR02) Dave Burdick 407-6094. This water includes the E WA water in #7, below.	Q1: 07-09 Jul-Aug-Sep 07		Q2: 07-09 Oct-Nov-Dec 07		Q3: 07-09 Jan-Feb-Mar 08		Q4: 07-09 Apr-May-Jun 08		Totals FY 08		Q5: 07-09 Jul-Aug-Sep 08		Q6: 07-09 Oct-Nov-Dec 08		Q7: 07-09 Jan-Feb-Mar 09		Q8: 07-09 Apr-May-Jun 09		Totals FY 09
	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	
	1,250	--	1,250	1,651	1,250	50.94	1,250	114.28		1,250 #####		1,250 415		1,250 1,530		1,250 605.37		1,250	

Comments: Q1: We are funding through Washington Rivers Conservancy an Agreement with Chewuch Canal Association through 12/01/07 for up to \$50,000 worth of diversion reduction at \$50 per acre foot. See also WR08. Q2: WRIA 32 Walla Walla - Touchet Westside Irrigation District #5 open ditch to pressurized pipe conversion. 36,965 feet of piping. Net Water Savings 1,650.98 Acre Feet; 3.027 cfs placed permanently into trust. Funding: Total Cost \$1,513,400 (Irrigation Efficiency \$1,040,925; Wat Infrastructure \$472,475). Q3: Total of 50.94 AAF this quarter. (2.0 AF ground water Walla Walla (WRIA 32) through Washington Water Trust at \$600/acre foot (\$1,200 total) for mitigation for exempt wells & 48.94 AF in Taneum Creek (WRIA 39) Irrigation Efficiencies Program - John Wheatley \$157,800) **Note:** This acquired water is in Eastern WA and is also counted toward the 7,200 AAF goal in WR08, below. Q4: Total of 114.28 AAF (0.58 cfs) for \$134,460 [Burris Farms - Coleman Creek (WRIA 39 Upper Yakima) 86.8 Acre/ft (0.37 cfs) \$114,600 and John Sorg - (WRIA 48 - Methow) 57.48 acre feet (0.21 cfs) \$19,860]. Q5: 415 AAF (0.77 cfs) for \$220,150 [Irrigation Efficiencies in Coleman Creek (tributary to Upper Yakima at Ellensburg, WRIA 39 for \$215,000, 169 Acre feet (0.43 cfs) and into permanent water into trust via Washington Rivers Conservancy (Methow River, WRIA 48) 246 AAF [.34 cfs] for \$5,150 .] Q6: 1,530 acre-feet saved in Eastside Touchet piping project at \$1,200,000 (\$888,000 irrigation efficiency funds & \$312,000 watershed planning funds) for 36,750 feet of piping. Columbia CD piping is purchase of 221 a-f (1.22 cfs) at \$80,800 from April through June of each year. Q7: 605.37 AAF for \$586,286.50 (Ground water purchase from Helen Gaffney for Walla Walla [WRIA 32] exempt well mitigation - 5.37 A-F for \$2,953.50 and irrigation efficiency piping for Dungeness Irrigation District (WRIA 18) - 600 AAF for \$583,333).

2. Assess, Set & Enhance Instream Flows	7. Target: Save 7,200 annual acre-feet in E. WA by 12/31/07 (WR08) Dave Burdick 407-6094. This water is included in the statewide total above.	Q1: 07-09 Jul-Aug-Sep 07		Q2: 07-09 Oct-Nov-Dec 07		Q3: 07-09 Jan-Feb-Mar 08		Q4: 07-09 Apr-May-Jun 08		Totals FY 08		Q5: 07-09 Jul-Aug-Sep 08		Q6: 07-09 Oct-Nov-Dec 08		Q7: 07-09 Jan-Feb-Mar 09		Q8: 07-09 Apr-May-Jun 09		Totals FY 09	
		Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual
		13,113	7,200	14,764	50.94	114.28	14,929	15,344	16,874	5.37											

Comments: Amount in "Actual" is cumulative. Carry-over of 13,113 annual acre-feet saved in FY 07. **Q1:** We are funding through Washington Rivers Conservancy an Agreement with Chewuch Canal Association through 12/01/07 for up to \$50,000 worth of diversion reduction at \$50 per acre foot. see also WR02. **Q2:** 1]See description of Lake Roosevelt agreement under #1, Tribal Settlements describing 132,500acre-feet for various uses. 2]WRIA 32 Walla Walla - Touchet Westside Irrigation District #5 open ditch to pressurized pipe conversion. 36,965 feet of piping. Net Water Savings 1,650.98 Acre Feet; 3.027 cfs placed permanently into trust. Funding: Total Cost \$1,513,400; Irrigation Efficiency \$1,040,925; Wat Infrastructure \$472,475. **Q3:** Total of 50.94 AAF this quarter. (2.0 AF ground water Walla Walla (WRIA 32) through Washington Water Trust at \$600/acre foot (\$1,200 total) for mitigation for exempt wells & 48.94 AF in Taneum Creek (WRIA 39) Irrigation Efficiencies Program - John Wheatley \$157,800). Note: This acquired water is also counted toward the 10,000 AAF statewide goal in WR02, above. **Q4:** Total of 114.28 AAF (0.58 cfs) for \$134,460 [Burris Farms - Coleman Creek (WRIA 39 Upper Yakima) 86.8 Acre/ft (0.37 cfs) \$114,600 and John Sorg - (WRIA 48 - Methow) 57.48 acre feet (0.21 cfs) \$19,860]. **Q5:** 415 AAF (0.77 cfs) for \$220,150 [Irrigation Efficiencies in Coleman Creek (tributary to Upper Yakima at Ellensburg, WRIA 39 for \$215,000, 169 Acre feet (0.43 cfs) and into permanent water into trust via Washington Rivers Conservancy (Methow River, WRIA 48) 246 AAF [.34 cfs] for \$5,150]. **Q6:** 1,530 acre-feet saved in Eastside Touchet piping project at \$1,200,000 (\$888,000 irrigation efficiency funds & \$312,000 watershed planning funds) for 36,750 feet of piping. Columbia CD piping is purchase of 221 a-f (1.22 cfs) at \$80,800 from April through June of each year. **Q7:** Ground water purchase from Helen Gaffney for Walla Walla [WRIA 32] exempt well mitigation - 5.37 A-F for \$2,953.50. E WA 'saved' water is also included in the statewide total - see WR02.

3. Ensure Dam Safety

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8. Target: Inspect 48 high hazard dams (WR07). Washington has 144 high hazard dams and they are on a five year inspection cycle. Doug Johnson 407-7162	Q1: 07-09 Jul-Aug-Sep 07		Q2: 07-09 Oct-Nov-Dec 07		Q3: 07-09 Jan-Feb-Mar 08		Q4: 07-09 Apr-May-Jun 08		Totals FY 08		Q5: 07-09 Jul-Aug-Sep 08		Q6: 07-09 Oct-Nov-Dec 08		Q7: 07-09 Jan-Feb-Mar 09		Q8: 07-09 Apr-May-Jun 09		Totals FY 09
	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	
	12	9	8	6	1	0	8	5	12	20	12	23	8	30	1	0	8		

Comments: **Q1:** Lake Tapps Dikes 3,4,5,6 and 11 (WRIA 10), Black Rock Dam (WRIA 37), Nielson Dam A and Dam B (WRIA 8), and North Fork Clover Creek Detention Dam (WRIA 12). **Q2:** Zintel Canyon Dam (WRIA 31), Deer Park Wastewater Lagoons 1 and 3 (WRIA 55), Parker Reservoir (WRIA 37), Matney Dam (WRIA 61), Icon Materials Auburn Sediment Pond (WRIA 10). **Q3:** Been writing past-due inspection reports & dealing with the new unpermitted dams initiative. **Q4:** 3 Amigos Reservoir (WRIA 40), Great Depression Reservoir (WRIA 40), Marshall Lake (WRIA 62), Hog Lake (WRIA 34), Blair Reservoir (WRIA 31). Substantial time dedicated to identifying & assessing unpermitted dams affected other work. **Q5:** McCorkle Creek (WRIA 26), Kitts Corner Stormwater (WRIA 10), Reba Lake Dam, Garrison Creek 98th Ave Detention Pond, Upper Mill Creek Dam (all in WRIA 9), Hannegan Rd Detention Dam (WRIA 1), Tahuya River Dam (WRIA 15). Unpermitted Dam Inspections (some of which may be high hazard and owners came in voluntarily) = 23 dams (Evans Fruit 12 dams, Pride Packing Co. 3 dams, Woodward Cattle Co. 1 dam, Lawrence Orchards 1 dam, Maureen Rawley 1 dam, Mr. Dormaier 5 ponds. **Q6:** Emergency inspections on 30 unpermitted high hazard dams, in lieu of our normal inspections. **Q7:** No inspections due to writing reports on unpermitted dams.

9. Inspect 19 significant hazard dams. 10 year periodic inspection cycle (WRP). Doug Johnson 407-7162	Q1: 07-09 Jul-Aug-Sep 07		Q2: 07-09 Oct-Nov-Dec 07		Q3: 07-09 Jan-Feb-Mar 08		Q4: 07-09 Apr-May-Jun 08		Totals FY 08		Q5: 07-09 Jul-Aug-Sep 08		Q6: 07-09 Oct-Nov-Dec 08		Q7: 07-09 Jan-Feb-Mar 09		Q8: 07-09 Apr-May-Jun 09		Totals FY 09
	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	
	8	9	5	0	1	0	5	2	19	11	8	8	5	11	1	1	5		

Comments: **Q1:** Lake Tapps Dikes 1,2A,2B,8,9,10,12 and 13 (WRIA 10), and High Park (Lakemont) Stormwater Pond (WRIA 8). Inspection of High Park revealed that it should be upgraded to high hazard now. **Q2:** West Fork Dam (WRIA 22), Springwood Stormwater Pond (WRIA 9), Centralia Coal Mine Dams 20A, 3C North, 3c East, and 3C South (WRIA 23), Steilacoom Lake Dam (WRIA 12), Koura Dam (WRIA 15), Coulee City Wastewater Pond (WRIA 42), Western Polymer Waste Pond (WRIA 41), Bullard Dam, Lake Louise dam, Smrekar Dam (WRIA 1). **Q4:** Cascade Lake and Buck Mountain Reservoir (both in WRIA 2). Substantial time dedicated to identifying & assessing unpermitted dams affected other work. **Q5:** Telegraph Rd Detention Dam (WRIA 1), Tourtleback Lake Dam, Hungar Dam, Jay's Pond Dam (WRIA 2), Mayer Dam (WRIA 3), Kayak Lake Dam (WRIA 7), Des Moines Creek dam (WRIA 9), Slavic Lake Dam (WRIA 15). **Q6:** Emergency inspections on 11 unpermitted significant hazard dams in lieu of our normal inspections. **Q7:** Mayer Dam (WRIA 3). Limited inspections due to writing reports on unpermitted dams.

10. Inspect 20 low-hazard dams. (WRP). Doug Johnson 407-7162	Q1: 07-09 Jul-Aug-Sep 07		Q2: 07-09 Oct-Nov-Dec 07		Q3: 07-09 Jan-Feb-Mar 08		Q4: 07-09 Apr-May-Jun 08		Totals FY 08		Q5: 07-09 Jul-Aug-Sep 08		Q6: 07-09 Oct-Nov-Dec 08		Q7: 07-09 Jan-Feb-Mar 09		Q8: 07-09 Apr-May-Jun 09		Totals FY 09
	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	
		4		0		0		17*		21		0		27		0			

Comments: Inspections as requested and as resources allow. **Q1:** Lake Tapps Dikes 14 and 15 (WRIA 10), White River Diversion Dam (WRIA 10), Tumwater Falls Dam (WRIA 13). **Q3:** 6 (5 unpermitted dams owned by John Van Wingerden near Sunnyside [WRIA 37] & 1 unpermitted dam owned by Hesson Kim near Hoquiam [WRIA 22]). **Q4:** *17 inspections of unpermitted dam inspections - (D&H Farms(4), Zirkle Fruit(5), Evans Fruit(2), and Sundquist Fruit(2), Menonitas Dairy (4)). All are in WRIA 37 with 2 of Zirkle's in WRIA 33. Substantial time dedicated to identifying & assessing unpermitted dams affected other work. **Q6:** Emergency inspections on 27 low hazard dams in lieu of our normal inspections. **Q7:** No inspections due to writing reports on unpermitted dams.

11. Number of deficient dams repaired (WRP). Doug Johnson 407-7162	Q1: 07-09 Jul-Aug-Sep 07		Q2: 07-09 Oct-Nov-Dec 07		Q3: 07-09 Jan-Feb-Mar 08		Q4: 07-09 Apr-May-Jun 08		Totals FY 08		Q5: 07-09 Jul-Aug-Sep 08		Q6: 07-09 Oct-Nov-Dec 08		Q7: 07-09 Jan-Feb-Mar 09		Q8: 07-09 Apr-May-Jun 09		Totals FY 09
	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	
		1		1		6		0		8		1		1		0			

Comments: **Q1:** Beitey Lake Dam, near Valley, Stevens Co. Spillway capacity increased (WRIA 59). **Q2:** Swano Lake Dam, Grays Harbor College - sliplined deteriorated spillway pipes (WRIA 22). **Q3:** 1 dam repaired - Berghoff Dam in Yakima [WRIA 37] partially removed & storage was reduced to less than 10 acre-feet. No longer jurisdictional. **Q5:** Upper Wheeler Saddle Dam (WRIA 40). **Q6:** On Masonry Dam/Cedar Moraine, completed construction of drains (WRIA 8, Cedar-Sammamish). **Q7:** No repairs due to writing reports on unpermitted dams.

4. Manage Water Rights

4. Manage Water Rights

12. Target: Water right changes processed target is 800 (WR01). Doug Rushton 407-6513	Q1: 07-09 Jul-Aug-Sep 07		Q2: 07-09 Oct-Nov-Dec 07		Q3: 07-09 Jan-Feb-Mar 08		Q4: 07-09 Apr-May-Jun 08		Totals FY 08		Q5: 07-09 Jul-Aug-Sep 08		Q6: 07-09 Oct-Nov-Dec 08		Q7: 07-09 Jan-Feb-Mar 09		Q8: 07-09 Apr-May-Jun 09		Totals FY 09
	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	
	100	44	100	72	100	109	100	101	400	326	100	79	100	91	100	79	100		

Comments: Changes processed include changes granted, withdrawn, denied or cancelled. **Q1:** CRO-7; ERO-14; NWRO-17; SWRO-6. **Q2:** CRO-31; ERO-27; NWRO-6; SWRO-8. **Q3:** CRO-41; ERO-49; NWRO-9; SWRO-10. **Q4:** CRO-21; ERO-50; NWRO-15; SWRO-15. **NOTE:** When changes & new water right decisions are combined, we are at 94% of the target for FY 08 (498/532). **Q5:** CRO-27; ERO-25; NWRO-21; SWRO-6. **Q6:** CRO-32; ERO-15; NWRO-42; SWRO-2. **Q7:** CRO-18; ERO-22; NWRO-29; SWRO-10.

13. Target: New water right decisions target is 264 (WR05). Doug Rushton 407-6513	Q1: 07-09 Jul-Aug-Sep 07		Q2: 07-09 Oct-Nov-Dec 07		Q3: 07-09 Jan-Feb-Mar 08		Q4: 07-09 Apr-May-Jun 08		Totals FY 08		Q5: 07-09 Jul-Aug-Sep 08		Q6: 07-09 Oct-Nov-Dec 08		Q7: 07-09 Jan-Feb-Mar 09		Q8: 07-09 Apr-May-Jun 09		Totals FY 09
	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	
	33	52	33	64	33	30	33	26	132	172	33	31	33	51	33	53	33		

Comments: New water right applications processed includes rejected, withdrawn, denied, and issued. **Q1:** CRO-4; ERO-18; NWRO-18; SWRO-12. **Q2:** CRO-5; ERO-33; NWRO-19; SWRO-7. **Q3:** CRO-1; ERO-4; NWRO-8; SWRO-17. **Q4:** CRO-1; ERO-10; NWRO-12; SWRO-3. **NOTE:** When changes & new water right decisions are combined, we are at 94% of the target for FY 08 (498/532). **Q5:** CRO-2; ERO-4; NWRO-20; SWRO-5. **Q6:** CRO-9; ERO-1; NWRO-35; SWRO-6. **Q7:** CRO-4; ERO-1; NWRO-25; SWRO-23.

14. Target: 90% water use metered in 16 basins (WR12). Ken Schuster (509)454-4263	Q1: 07-09 Jul-Aug-Sep 07		Q2: 07-09 Oct-Nov-Dec 07		Q3: 07-09 Jan-Feb-Mar 08		Q4: 07-09 Apr-May-Jun 08		Totals FY 08		Q5: 07-09 Jul-Aug-Sep 08		Q6: 07-09 Oct-Nov-Dec 08		Q7: 07-09 Jan-Feb-Mar 09		Q8: 07-09 Apr-May-Jun 09		Totals FY 09
	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	
	--		100		--		--		--		--		--						

Comments: **Q1:** researched & established baseline to measure progress towards metering 90% of water use in 16 salmon critical basins (Water Resources Inventory Areas 1,7,8,9,10,12,17,18,32,35,37,38,39,45,48,49). Figures for 37,38,39 to be determined post-Yakima adjudication. **Q2:** Aggregate is 100%. In 8 of 16 WRIAs we are above 90% and above 80% in all but 2 (Puyallup-WRIA 10 is at 73% and Middle Snake-WRIA 35 is at 60%). In all WRIAs follow-up proceeds to increase metering (dealing with non-compliance, finding correct water right holders or their descendants, etc). We will be evaluating our measures to ensure we are measuring what is important and useful. **Q3:** Need to revisit measure. **Q4:** No change from previous notes. Phase 1 of Columbia River Program is on goal for 90% of water use ordered or volunteered to measure and report. More volunteered to report than had to be ordered. **Q5:** Began re-evaluating original numbers determined from 2001-02 research on the numbers of water rights needed in each WRIA to attain 80% compliance as required in the compliance plan submitted to the Thurston County Superior Court. Evaluating WRIAs 45, 48, & 49 first to develop coordinated approach for all 16 fish-critical WRIAs. Upon approval by PMT, will use same methodology for the remaining 10 WRIAs that were sent orders in 2002. Will include provisions to approved changes since 2002 to the extent possible. **Q6:** Progress is being made in 16 salmon-critical basins. % of 80% goal to be metered. Exceed metering of 80% of water use in several WRIAs. Approximate percentages: - CRO - 99% data entered; ERO - 3% (6-12 months to have 50% data entered & data transferred from other data base); NWRO - 100%; SWRO - 50%. **Q7:** Developed new search methodology to double-check original research on water rights needed in each WRIA to obtain 80% compliance as required in compliance plan submitted to Thurston County Superior Court. PMT approved. Will compare new numbers with old numbers to determine how much progress has been made to attain metering of 90% of water use in fish-critical basins. Best estimate on metered use of 80% in WRIAs 1, 7, 8, and 9 is 329% (both due to large municipal rights), WRIAs 10, 12, 17, and 18 is 88%, WRIAs 32 and 35 is 84%, WRIAs 37, 38, and 39 (adjudicated basins) is 100%, WRIAs 45, 48, and 49 is 98%, and the Columbia River Program is 73%. Data entry has not changed.

4. Manage Water Rights	15. Process improvements (e.g. policies, procedures, directives, etc.)(WRP). Brian Walsh 407-6647	Q1: 07-09 Jul-Aug-Sep 07		Q2: 07-09 Oct-Nov-Dec 07		Q3: 07-09 Jan-Feb-Mar 08		Q4: 07-09 Apr-May-Jun 08		Totals FY 08		Q5: 07-09 Jul-Aug-Sep 08		Q6: 07-09 Oct-Nov-Dec 08		Q7: 07-09 Jan-Feb-Mar 09		Q8: 07-09 Apr-May-Jun 09		Totals FY 09
		Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	
					3		1		2		7		13		5		7		16	
<p>Comments: Q1: 1) Staff training at WR Program Workshop (Oct. 9-10, 2007) on: plain talk, enforcement, metering, GIS mapping, WRTS data entry, permit writing, permit quality, exempt wells, rain water collection, SharePoint. 2) 7/2/07 Ecology withdrew rule-making pre-proposal (CR-101) for establishing a reservation for use of rainwater in WRIA 2, San Juan County (Ch. 173-502 WAC) because a simplified and direct approach was developed. 3) Ecology received a petition on 9/13/07 from water rights holders in Kittitas County seeking a moratorium on new ground water wells in Kittitas County. Concern is rapid rural residential growth potentially impairing senior water rights and instream flows. Under the Administrative Procedures Act, Ecology has until 11/9/07 to respond. Q2: Agreement in principal with Kittitas County on a proposed exempt wells moratorium in Kittitas Valley. Q3: Idaho Dept. of Water Resources & Ecology signed MOA establishing modeling committee & for coordination of water supply issues in Spokane Valley (WA)-Rathdrum Prairie (ID) area. Policy adopted on water right permits for fire fighting or protection (POL 2015; 3/14/08). Exempt wells agreement - reached - conceptual agreement with local gov't planning & health directors on guidance related to the definition of a project per case law. Definition of 'project' is partial basis for determining whether a water well is permit exempt or not. Q4: 1. Instream Values Symposium conducted (6/11/08) to identify use & methods for valuing instream resources & protecting flows. 2. Rainwater collection rule pre-proposal (CR-101) filed 5/7/08 to allow de minimus use & specifying conditions for permit exemption. 3. Received petition from Squaxin (4/7/08) requesting closure of ground & surface waters in Johns Creek area (WRIA 14) because of effect on flows. Petition denied 6/5/08. 4. MOA with Kittitas County (Signed 4/7/08) for exempt wells management & more is known about aquifers and water supplies. 5. Guidance for amending water right claims (GUID-2035) adopted 4/15/08. 6. Columbia River EIS addendum issued (4/10/08) for saved, stored, conserved, and efficiency water to be put into trust water issued. 7. Convened meeting of WR policy section & watershed leads to discuss updates to instream flow policy guidance. Q5: 1] Final Voluntary Regional Agreement signed on 7/18/08 between Columbia Snake River Irrigators Association & Ecology for water supply during drought. 2] QA/QC permit writer checklist for early assessment of potential problems/issues (Schuppe). 3] Kittitas County exempt wells emergency rule order effective 7/8/08 and permanent rule 'notice' (CR-101) filed also on 7/8/08. 4] Guidance for processing and managing trust water rights issued 7/1/08. Q6: 1) Provided 3 training workshops primarily for non-Water Resources staff, on water management basics - Lacey on 9/10/08e (attendance of 65), Yakima on 10/14/08 (attendance of 40), and Moses Lake for 38 WR staff in CRO & ERO. 2) Conservancy Board training - provided mandatory 32 hour training to 6 CB members (Ferry, Franklin, Okanogan, Spokane, Stevens, and Thurston Counties) at session in Spokane on 10/21-24/08. 3) With advice from a technical advisory group, amended Well Construction rule (Ch. 173-160 WAC) making corrections and adding new provisions requiring certification of drilling materials to protect water quality. 4) MacDonnell Report - clarifying impacts of water rights sales & mitigation. 4) Interruptible Water Rights agreement with DOH for water system planning. This is an appendix to the MOU with DOH's Office of Drinking Water. 5) Ecology adopted a second emergency rule (11/6/08) implementing exempt wells management measures in the MOA with Kittitas County. 6) Well drilling Notices of Intent available electronically allowing quicker & convenient submission of information and ease in meeting 72 hour notice requirement. 7) Well Construction & Maintenance Standards rule update (Ch. 173-160 WAC) with technical & editing corrections, and a new provision requiring certification of certain drilling materials to protect ground water. 8) Developed Agency Request legislation to modernize adjudication. 9) Continuing good progress on pre-adjudication water right research and mapping. 10) Developed budget '09-'11 Spokane Area Adjudication budget proposal which was included in Gov. proposed budget. Q7: 1] Initiated updating Hillis rule (Ch. 173-152 WAC). 2] Kittitas emergency rule (AO 08-11) extended implementing MOA with County and permanent rule language proposed (CR-102 filed; AO 08-12). 3] Agency request legislation for Trust Water (SB 5583). 4] Governor request legislation [HB 2151/SB5994] to eliminate certain Boards and Commissions - Ecology to review need for Water Resources Advisory Committee by 7/1/10. 5] Provided training on water rights & board operations to 63 conservancy board members from 18 counties. 5] 12 - Columbia River feasibility studies - Lincoln CD passive rehydration WRIA 37; Foster CD surface storage WRIs 44,50; Stevens PUD [Mill Ck storage] WRIA 59; Rock Lk storage WRIA 34; Lands Council small storage WRIs 54,55,57; Campbell Ck off-stream storage supplanting Peshastin Ck diversions WRIA 45; Franklin CD irrigation water mgmt WRIs 33,36,41; Colvilles storage (Goose Lk & 9 Mile Flats) WRIs 51,52,58; Klickitat County Hose Heaven Hills Storage & Conveyance WRIA 31; Spokane/Rathdrum ASR WRIs 55,57; KID Pump exchange WRIA 31; Odessa design w/BOR on replacing gw w/surface water.</p>																				
16. Completion of permit quality project. (WRP) Jeff Marti (407-0275)	Q1: 07-09 Jul-Aug-Sep 07		Q2: 07-09 Oct-Nov-Dec 07		Q3: 07-09 Jan-Feb-Mar 08		Q4: 07-09 Apr-May-Jun 08		Totals FY 08		Q5: 07-09 Jul-Aug-Sep 08		Q6: 07-09 Oct-Nov-Dec 08		Q7: 07-09 Jan-Feb-Mar 09		Q8: 07-09 Apr-May-Jun 09		Totals FY 09	
	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual		
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<p>Comments: Q2: Work continues for having ROE templates for changes, trust water & new water rights by the end of 2008. Q3: No milestones reached. Q4: No milestones reached. Jeff Marti will be contact as Bob Barwin is temporarily re-assigned to Water Quality. Q5: Evaluation of the ActiveDocs Opus Composition Server product in July and August. Will advocate purchase of the server project before the agency's Strategic Architecture Team (SAT). Q6: Released new draft of the Report of Exam with improved organization & content. Q7: No significant actions this quarter.</p>																				

5. Prepare and Respond to Drought																					
5. Prepare and Respond to Drought	17. Completion of Univ. of WA Climate Impacts Group's contract predicting future hydrology from climate change (WRP). Kurt Unger 407-7262	Q1: 07-09 Jul-Aug-Sep 07		Q2: 07-09 Oct-Nov-Dec 07		Q3: 07-09 Jan-Feb-Mar 08		Q4: 07-09 Apr-May-Jun 08		Totals FY 08	Q5: 07-09 Jul-Aug-Sep 08		Q6: 07-09 Oct-Nov-Dec 08		Q7: 07-09 Jan-Feb-Mar 09		Q8: 07-09 Apr-May-Jun 09		Totals FY 09		
		Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual		
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	Comments: Q2: Contract on schedule with deliverables expected 6/09. Q3-6: No milestones reached. Q7: Contract extended and deliverables expected in 3 months.																				
	18. In the event of declared drought, type and number of actions. (WRP). Kurt Unger 407-7262	Q1: 07-09 Jul-Aug-Sep 07		Q2: 07-09 Oct-Nov-Dec 07		Q3: 07-09 Jan-Feb-Mar 08		Q4: 07-09 Apr-May-Jun 08		Totals FY 08	Q5: 07-09 Jul-Aug-Sep 08		Q6: 07-09 Oct-Nov-Dec 08		Q7: 07-09 Jan-Feb-Mar 09		Q8: 07-09 Apr-May-Jun 09		Totals FY 09		
		Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual		
			--		--		--		--		0		0		--		0				
	Comments: Q1, Q2, Q3, Q4, Q5, Q6, Q7: No drought declarations in effect these quarters.																				
	19. Dollars provided for drought mitigation. (WRP). Dave Burdick 407-6094	Q1: 07-09 Jul-Aug-Sep 07		Q2: 07-09 Oct-Nov-Dec 07		Q3: 07-09 Jan-Feb-Mar 08		Q4: 07-09 Apr-May-Jun 08		Totals FY 08	Q5: 07-09 Jul-Aug-Sep 08		Q6: 07-09 Oct-Nov-Dec 08		Q7: 07-09 Jan-Feb-Mar 09		Q8: 07-09 Apr-May-Jun 09		Totals FY 09		
		Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual		
		0		0		0		0		0		0		0		0					
Comments: Q1, Q2, Q3, Q4, Q5, Q6, Q7: No drought declarations in effect these quarters.																					

6. Promote Compliance with Water Laws

te Compliance with Water Laws

20. Target: 16 compliance actions (WR13). Don Davidson 407-6636	Q1: 07-09 Jul-Aug-Sep 07		Q2: 07-09 Oct-Nov-Dec 07		Q3: 07-09 Jan-Feb-Mar 08		Q4: 07-09 Apr-May-Jun 08		Totals FY 08		Q5: 07-09 Jul-Aug-Sep 08		Q6: 07-09 Oct-Nov-Dec 08		Q7: 07-09 Jan-Feb-Mar 09		Q8: 07-09 Apr-May-Jun 09		Totals FY 09
	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	
	---	1	---	0	---	0	---	10	---	11	---	2	---	1	---	35	---	16	

Comments: **Q1:** Penalty issued for \$200 to James Jarboe for unauthorized withdrawals of surface water in Beaver Creek (Lk. Whatcom tributary). **Q3:** 108 technical assists, 2 complaint responses & 1 compliance letter. **Q4:** Non-compliance cancellation orders (CRO-2; ERO-5; NWRO-3; SWRO-0). **Q5:** Order for preliminary injunction against Daniel & Gail Chouinard in Manastash (Kittitas County) to stop irrigating & remove irrigation equipment. Chouinards entered into an agreed order so long as no monetary penalties. Second action was on Lower Squilchuck & was pumps in creek w/o water right. **Q6:** 1 order issued to Dalan for partial relinquishment in the Walla Walla (WRIA 32) Order appealed to PCHB 08-103 and filed 10/14/08. **Q7:** 17 notices of penalties, 14 orders, 4 notices of correction. Detail available at: X:\Water Resources Program\Performance Measures & Reporting\07-09 Performance Measures-Quarterly Reports\ENFORCEMENT SUMMARY Q7 07-09 Jan-Feb-Mar 09.docx

21. Number of enforcement orders issued (WRP). Don Davidson 407-6636	Q1: 07-09 Jul-Aug-Sep 07		Q2: 07-09 Oct-Nov-Dec 07		Q3: 07-09 Jan-Feb-Mar 08		Q4: 07-09 Apr-May-Jun 08		Totals FY 08		Q5: 07-09 Jul-Aug-Sep 08		Q6: 07-09 Oct-Nov-Dec 08		Q7: 07-09 Jan-Feb-Mar 09		Q8: 07-09 Apr-May-Jun 09		Totals FY 09
	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	
	---	314	---	0	---	0	---	0	---	314	---	190	---	1	---	17	---	---	

Comments: **Q1:** Orders to interruptible water right holders (43 in the Wenatchee, WRIA 45; 64 in the Methow, WRIA 48; 82 in the Okanogan, WRIA 59; 125 in the Little Spokane, WRIA 55). **Q4:** CRO sent about 100 forecast letters to instream flow conditioned rights in the Methow, Okanogan & Similkameen basins. 3 warning letters sent for unauthorized use in NWRO. **Q5:** 190 orders to interruptible water right holders & 1 to illegal water user. Orders to interruptible water right holders 44 in Wenatchee (WRIA 45); 83 in the Okanogan/Similkameen (WRIA 49), and 63 in the Methow (WRIA 48). Order for preliminary injunction against Daniel & Gail Chouinard in Manastash (Kittitas County) to stop irrigating & remove irrigation equipment. Chouinards entered into an agreed order so long as no monetary penalties. **Q6:** 1 order issued to Dalan for partial relinquishment in the Walla Walla (WRIA 32) Order appealed to PCHB 08-103 and filed 10/14/08. **Q7:** 14 orders (2-NWRO-BFO, 3-CRO, 6-ERO, 2 SWRO, 1 HQ)

22. \$ value of penalties assessed (WRP). Don Davidson 407-6636	Q1: 07-09 Jul-Aug-Sep 07		Q2: 07-09 Oct-Nov-Dec 07		Q3: 07-09 Jan-Feb-Mar 08		Q4: 07-09 Apr-May-Jun 08		Totals FY 08		Q5: 07-09 Jul-Aug-Sep 08		Q6: 07-09 Oct-Nov-Dec 08		Q7: 07-09 Jan-Feb-Mar 09		Q8: 07-09 Apr-May-Jun 09		Totals FY 09
	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	
	---	\$200	---	0	---	0	---	0	---	\$200	---	0	---	0	---	\$24,600	---	---	

Comments: **Q1:** \$200 penalty issued to James Jarboe (WRIA 1) for unauthorized withdrawals of surface water from Beaver Creek. **Q2:** Jarboe penalty (see Q1) sent to collections on 12/31/07. No penalties assessed: **Q3, Q4, Q5, Q6.** **Q7:** 17 notices of penalty for \$24,600 total (16 NOPs & \$9,600 from Bellingham FO for non-reporting as part of Lummi settlement and 1 NOP issued from HQ for \$15,000 for failure to submit well drilling reports)

6. Promo	23. Number of meters installed. (WRP). Dave Burdick 407-6094	Q1: 07-09 Jul-Aug-Sep 07		Q2: 07-09 Oct-Nov-Dec 07		Q3: 07-09 Jan-Feb-Mar 08		Q4: 07-09 Apr-May-Jun 08		Totals FY 08		Q5: 07-09 Jul-Aug-Sep 08		Q6: 07-09 Oct-Nov-Dec 08		Q7: 07-09 Jan-Feb-Mar 09		Q8: 07-09 Apr-May-Jun 09		Totals FY 09	
		Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual		
			44		54		6		31	135			25		48		9				

Comments: **Q1:** Total Number of meters 44; Cost of meters \$72,034; Administrative Costs \$44,731; total Costs \$116,765 **1.)** 11 meters installed through Columbia Conservation District for meters in the Touchet (WRIA 32) and Tucannon River (WRIA 35) System: Cost of Meters \$14,217; Administrative Cost \$5,500; Total Costs \$19,717. **2.)** 28 meters installed through Walla Walla County Conservation District in the Walla Walla and Touchet Rivers (WRIA 32): Cost of Meters \$44,296; Administrative Costs \$28,053; Total Costs \$72,349. **3.)** 2 meters install through the Kittitas Conservation District in the Upper Yakima River (WRIA 39): Cost of Meters \$2,333; Administrative Costs \$1,545; Total Costs \$3,878. **4.)** 3 meters install through North Yakima Conservation District in the Lower Yakima/ Naches River (WRIA 37 & 38). Cost of Meters \$11,188; Administrative Costs \$9,633; Total Cost \$20,821. **Q2:** Columbia Conservation District – Middle Snake – WRIA 35 -7 Meters Installed; Kittitas CD – Upper Yakima – WRIA 39 – 6 Meters Installed; North Yakima CD – Naches and Lower Yakima WRIA 37 & 38 – 5 Meters Installed; Walla Walla CD – Walla Walla – WRIA 32 – 33 Meters Installed; Roger Short – Quilcene Snow – WRIA 17 – 2 meters Installed; PUD #1 Pend Oreille County – Pend Oreille WRIA 62 – 1 Meter Installed.
Q3: Total # meters: 6; cost of meters \$50,736.66 [Kittitas CD (WRIA 39) 1 meter \$2,158.43 and North Yakima CD (WRIA 37 & 38) 5 meters \$48,578.23] **Q4:** Total of 31 meters for \$78,647. Asotin Co CD (WRIA 35) 1 meter for \$1,186; Cascadia CD (WRIA 45) 1 meter for \$1,178; North Yakima CD (WRIA 37) 9 meters for \$50,059 ; Kittitas CD (WRIA 39) 4 meters for \$6,047; Quilcene (WRIA 17) 2 meters for \$2,271; Walla Walla CD (WRIA 32) 14 meters for \$17,906.
Q5: 25 meters for \$120,267. [Franklin CD: Columbia River: 3 meter \$39,108; Chehalis: 1 meter Lake Mayfield water system \$1,868 [WRIA 23]; Walla Walla CD; Walla Walla River: 13 meters \$30,487 [WRIA 32]; North Yakima CD; Lower Yakima/Naches: 1 meter \$1,147 [WRIA37/38]; Kittitas CD; Upper Yakima: 2 meters \$3,726 [WRIA45]; Cascadia CD; Wenatchee River: 2 meters \$4,490 [WRIA 45]; Methow : 3 meters Town of Twisp \$39,441 [WRIA 48]. **Q6:** 48 meters for \$136,698 (Kittitas CD - 1 meter for \$14,005; Walla Walla CD - 25 meters for \$42,150; Chelan CD - 1 meter for \$2,829; Columbia CD - 20 meters for \$40,264; Franklin CD - 1 meter for \$37,450 (Columbia River metering).
Q7: 9 meters installed for \$10,976 [Asotin CD Lower Snake (WRIA 33) 4 meters for \$4,115; Kittitas CD Upper Yakima (WRIA 39) 1 meter for \$538; North Yakima CD Lower Yakima R (WRIA 37) 3 meters for \$2,187; Franklin CD Columbia R 1 meter for \$4,136].

7. Provide Water Resources Data and Information

Provide Water Resources Data and Information

24. "Understanding water" supporting studies (e.g. gw or surface water, flows, etc.) (WRP). Brian Walsh 407-6647	Q1: 07-09 Jul-Aug-Sep 07		Q2: 07-09 Oct-Nov-Dec 07		Q3: 07-09 Jan-Feb-Mar 08		Q4: 07-09 Apr-May-Jun 08		Totals FY 08		Q5: 07-09 Jul-Aug-Sep 08		Q6: 07-09 Oct-Nov-Dec 08		Q7: 07-09 Jan-Feb-Mar 09		Q8: 07-09 Apr-May-Jun 09		Totals FY 09	
	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual		
		--		1		0		0		1		6		10		2				

Comments: **Q2:** Ecology granted \$1 million to Kennewick to study underground storage in basalt formations of Columbia River peak flows. Concept is to reduce withdrawals in summer from the Columbia. **Q3:** No studies completed. **Q4:** No studies completed. **Q5:** 1)Lake Ballinger Study -flooding-water quality (NWRO); 2)Mountain View Upland (N. Lummi aquifer) ground water elevation map [NWRO]; 3)Monthly streamflow & reservoir measurements Cascade Ck & Cascade Lake basins [Orcas Island - NWRO]; 4)Skagit County USGS Study ground water flow model, ground water levels [NWRO]; 5)Trust Water Study including a survey [Perceptions Among Water Rights Holders About Water Rights Transactions, publication # not yet assigned][CRO]; 6) Final supplemental EIS for Lake Roosevelt incremental storage releases issued 8/28/08 [CRO]. **Q6:** ERO - 1) Recovered water level monitoring data from wells in various basins in E. Washington. 2) Accepted final product of contract with Idaho Water Resources Research Institute and Washington Water Research Center for Spokane Rathdrum Aquifer model visualization tools. 3) Office of Columbia River funded the following studies during the quarter: a) Lincoln County Passive Rehydration, \$925,000 Study of the feasibility of rehydrating aquifers in Lincoln and Adams counties. The study will look at diverting water into a dry stream to facilitate percolation into the aquifers for storage until needed. b) Foster Creek Surface Water Storage, \$93,750. The grant funds studies of two potential water storage sites in Douglas County, one at Rock Island Creek and the other Foster Coulee. The Rock Island Creek Site would store approximately 60,000 ac-ft of water. Depending on the configuration of the impoundments, the Foster Coulee site would provide storage for 96,250 to 194,700 ac-ft. c) Mill Creek Water Storage Project, \$125,000 grant supports a feasibility study for a water storage site in Stevens County. Various dam heights will be studied with storage capacities ranging from 2,050 to 10,700 ac-ft. d)Rock Lake Water Supply and Habitat Enhancement Study, \$124,000 to study the potential for small storage at Rock Lake in Whitman County. As much as 110,000 ac-ft of storage may be available. e)The Lands Council Beaver Population Enhancement and Water Storage, \$30,000 grant pays for a study examining natural ways to retine spring runoff in North Eastern Washington. Specifically, it will determine if wetlands created by beavers could be used to slow runoff so that more water arrives at the Columbia River during the summer when it is needed. A pilot study will determine how much storage is feasible through a voluntary beaver introduction program. f)Campbell Creek Reservoir, \$250,000 grant to study construction of an off-stream reservoir that would store 500 ac-ft of water and release it to the Peshastin Irrigation District to supplant Peshastin Creek diversions in Chelan County. Releases would occur in July through September. g)Franklin CD Irrigation Water Management, \$78,000 grant funds a study to document and develop a program to capture the conserved water that could be gained by implementing Irrigation Water Management. It is estimated that the methods studied could yield as much as 394,400 ac-ft of water savings. h)Storage at Goose Lake and 9 Mile Flat, \$600,000 provided for an appraisal study of two possible surface water storage sites in Okanogan and Ferry Counties. The sites would be capable of storing more than one million ac-ft, each. Water would be pumped from the Columbia River to the storage sites on Colville Tribal lands. i)Horse Heaven Hills Surface Storage & Conveyance, \$170,000 grant funds an appraisal study of diverting water from the John Day-McNary Pool during the winter and spring months to a new surface storage site in the Glade- Fourmile Sub-basin in Benton and Klickitat counties. A new conveyance system will also be studied. j)Spokane Valley-Rathdrum Prairie, \$250,000 granted for analysis of the viability of aquifer storage and recovery in the Spokane Valley-Rathdrum Prairie (SVRP) aquifer. The project will assess whether water diverted from the Spokane River or Lake Pend Oreille during high flow periods can be injected into the SVRP aquifer and gravity drain back to the Columbia River. **Q7:** 1] Odessa Subarea study EIS contractor hired to assess alternatives in BoRs 2008 Appraisal - Level Investigation Summary of Findings - dealing with delivering Columbia water to current ground water irrigated lands. 2] Annual Columbia Basin spring water level measurements completed by ERO.

25. Establish Columbia R web info system (WRP). Tom Tebb (509) 574-3989	Q1: 07-09 Jul-Aug-Sep 07		Q2: 07-09 Oct-Nov-Dec 07		Q3: 07-09 Jan-Feb-Mar 08		Q4: 07-09 Apr-May-Jun 08		Totals FY 08		Q5: 07-09 Jul-Aug-Sep 08		Q6: 07-09 Oct-Nov-Dec 08		Q7: 07-09 Jan-Feb-Mar 09		Q8: 07-09 Apr-May-Jun 09		Totals FY 09	
	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual		
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Comments: **Q1:** Went public on the web with a news release on 8/9/07.

26. Water rights mapping (% of water rights mapped). (WRP). Anna Trombley 407-6120	Q1: 07-09 Jul-Aug-Sep 07		Q2: 07-09 Oct-Nov-Dec 07		Q3: 07-09 Jan-Feb-Mar 08		Q4: 07-09 Apr-May-Jun 08		Totals FY 08		Q5: 07-09 Jul-Aug-Sep 08		Q6: 07-09 Oct-Nov-Dec 08		Q7: 07-09 Jan-Feb-Mar 09		Q8: 07-09 Apr-May-Jun 09		Totals FY 09	
	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual		
		21%		22%		23%		25%		25%				28%		30%				

7.1

Comments: **Q1:** 21% = 47,122 out of 229,470. Amount of water rights and claims, from WRTS: 229,470 (• Certificates – 50,666; • Permits – 5,141; • Applications – 6,862; • Claims – 166,801). Amount of water rights and claims mapped to date: 47,122 (• Certificates – 18,184; • Permits – 1,967; • Applications – 948; • Claims – 26,023). **Q2:** 2,161 mapped + 1,728 from Yakima adjudication not previously counted for a total of 3,889 [51,010 out of 229,470]. **Q3:** Count of water rights & claims mapped this quarter is 2,840 - when added to the 51,010 already completed yields 23% of the total of 229,470 - up 1% from last quarter. **Q4:** We are averaging mapping about 1.3% per quarter. Count of water rights & claims mapped this quarter is 3,110 - when added to the 53,629 already completed yields 56,739 or 25% of the 229,790 total. **Q5:** Count of water rights & claims mapped this quarter is 4,357 - when added to the 56,739 already completed yields 61,096 or 27% of the 229,790 total. **Q6:** Count of water rights & claims mapped this quarter is 3,776 - when added to the 61,096 already completed yields 64,872 or 28% of the 229,790 total. **Q7:** Count of water rights & claims mapped this quarter is 5,175 - when added to the 64,872 already completed yields 70,047 or 30% of the 229,786 total.

27. Implement statewide water rights web map by 12/31/09. (WRP). Jeremiah Miller 407-6355	Q1: 07-09 Jul-Aug-Sep 07		Q2: 07-09 Oct-Nov-Dec 07		Q3: 07-09 Jan-Feb-Mar 08		Q4: 07-09 Apr-May-Jun 08		Totals FY 08		Q5: 07-09 Jul-Aug-Sep 08		Q6: 07-09 Oct-Nov-Dec 08		Q7: 07-09 Jan-Feb-Mar 09		Q8: 07-09 Apr-May-Jun 09		Totals FY 09	
	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual		
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Comments: **Q2:** Note end date changed from 6/30/09 to 12/31/09. Statewide water rights map released to Test Fortress. More work to make it ready for prime time. The Business Team Lead has stepped down to focus on targets 11 (WR01 - Water right changes) and 12 (WR05 - new water right decisions) and we are in the process of finding a replacement. **Q3:** Selected Ecology staff & external stakeholders are testing the statewide water rights web map in real scenarios. We are working to improve system response times. **Q4:** We have received enthusiastic feedback from external stakeholders testing the application. As planned, we are now migrating from Arc IMS to ArcGIS Server. We've significantly improved response times. **Q5:** We've migrated the underlying map service to ArcGIS Server. We are incorporating new caching technology that dramatically speeds up aerial photos. Our next step is to develop a new front end that uses the ArcGIS JavaScript API for a highly responsive user interface. **Q6:** We have a prototype ArcGIS JavaScript map that shows points and balloon callouts. We need to migrate the rest of the functionality from the old version to the new. **Q7:** Continued progress - Water Right mapping is done directly in ArcSDE which greatly facilitates showing water rights through the web map. This quarter we have also integrated spatial mapped water right data with tabular water right data into a single SQL Server database that is also the ArcSDE database.

7. Provide Water Resources Data and Information	28. Water Rights Tracking System (WRTS) on web by 12/31/09. (WRP). Jeremiah Miller 407-6355	Q1: 07-09 Jul-Aug-Sep 07		Q2: 07-09 Oct-Nov-Dec 07		Q3: 07-09 Jan-Feb-Mar 08		Q4: 07-09 Apr-May-Jun 08		Totals FY 08		Q5: 07-09 Jul-Aug-Sep 08		Q6: 07-09 Oct-Nov-Dec 08		Q7: 07-09 Jan-Feb-Mar 09		Q8: 07-09 Apr-May-Jun 09		Totals FY 09
		Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	
					--		--		--		--		--		--		--			
Comments: Q2: Note end date changed from 6/30/09 to 12/31/09. 10/08: Project funding approved by Department of Information Services with conditions. Currently defining architecture for this application. Q3: Technical Architecture Plan completed and approved by DIS. Completed User Scenarios inventory and Release Plan. Hired project programmer. Q4: Completed logical data architecture and data dictionary. Began Construction of Release 1 (Query / View Quantity). Q5: Our staffing level is reduced due to vacancy / hiring freeze. The project is on schedule. Q6: Staff are preparing water right document images to be shown on the web. Q7: Progress continues - Started work on View Water Right screen.																				
7. Provide Water Resources Data and Information	29. Initiate new water wells data system by 6/30/09 (WRP). Marian Bruner 407-6650	Q1: 07-09 Jul-Aug-Sep 07		Q2: 07-09 Oct-Nov-Dec 07		Q3: 07-09 Jan-Feb-Mar 08		Q4: 07-09 Apr-May-Jun 08		Totals FY 08		Q5: 07-09 Jul-Aug-Sep 08		Q6: 07-09 Oct-Nov-Dec 08		Q7: 07-09 Jan-Feb-Mar 09		Q8: 07-09 Apr-May-Jun 09		Totals FY 09
		Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	
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Comments: Q2: Nearly ready for public release of "notices on intent" on web. Will enable drillers to easily meet the 72 hours notice prior to construction. Q3: Work continues & on track for Notices of Intent for several functions to be released electronically in near future. Q4: Notices of intent are on-line. We are preparing to implement on-line Notices of Intent for fee-type wells. Q5: Work continues. Q6: Notices of Intent available electronically allowing quicker & convenient submission of information and each in meeting 72 hour notice requirement. Computer consultant is working on the system, including stronger GIS component for mapping wells. Q7: Electronic Notices of Intent (well drilling starts cards) released to internet & implemented deposit account allowing convenience & flexibility meeting 72 hour notice for both fee & non-fee wells.																				
8. Regulate Well Construction																				
8. Regulate Well Construction	30. Target: Wells - 70% inspection rate (WR14). Bill Lum 407-0281	Q1: 07-09 Jul-Aug-Sep 07		Q2: 07-09 Oct-Nov-Dec 07		Q3: 07-09 Jan-Feb-Mar 08		Q4: 07-09 Apr-May-Jun 08		Totals FY 08		Q5: 07-09 Jul-Aug-Sep 08		Q6: 07-09 Oct-Nov-Dec 08		Q7: 07-09 Jan-Feb-Mar 09		Q8: 07-09 Apr-May-Jun 09		Totals FY 09
		Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	
			70%	66%	70%	71%	70%	82%	70%	79%	70%	75%	70%	74%	70%	72%	70%	75%	70%	
Comments: Reporting lags one quarter as counties submit their data. Q1: 66% of wells in delegated counties, which equates to 29% inspection rate of all water wells drilled during this period. Q2: 71% of wells in delegated counties, which equates to 34% inspection rate for all wells drilled during this period. Q3: 616 wells inspected out of 742 reported starts. Q4: 423 wells inspected in delegated counties out of 550 reported starts. Q5: 633 inspections (wells & decomissionings) in delegated counties out of 856 reported starts. Q6: 564 wells inspected in delegated counties out of 783 reported starts. Q7: 341 wells inspected in delegated counties out of 456 called in. Numbers are down likely to the down turn in the economy and related fewer housing starts.																				

9. Support Local Watershed Management of Water Resources

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31. Capitol projects funded (Project name, cost, and WRIA (WRP)). Dave Burdick 407-6094	Q1: 07-09 Jul-Aug-Sep 07		Q2: 07-09 Oct-Nov-Dec 07		Q3: 07-09 Jan-Feb-Mar 08		Q4: 07-09 Apr-May-Jun 08		Totals FY 08		Q5: 07-09 Jul-Aug-Sep 08		Q6: 07-09 Oct-Nov-Dec 08		Q7: 07-09 Jan-Feb-Mar 09		Q8: 07-09 Apr-May-Jun 09		Totals FY 09
	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	
		--		29		12		5		46		4		7		8			

Comments: **Q1:** No new Capital projects funded due to delays in getting our allotments approved. **Q2:** 29 grants totaling \$3,164,900 (watershed councils - \$692,500; water storage - \$929,000; stream gaging - \$38,400; watershed proviso - \$335,000; Agricultural water supply - \$250,000; Columbia River - \$920,000.) **Q3:** 12 projects @ \$2,131,200 [G0800519 Kittitas Cons Trust (WRIA 39) - Watershed Infrastructure Grant - Taneum fish passage - \$400,000 remove 2 fish barriers; G0800073 Kittitas CD (WRIA 39) - Watershed Infrastructure Grant \$250,000 Coleman Creek Restoration - \$250,000 -screen 2 diversions - phase 2 will combine w/ Irrigation Efficiencies Program to improve instream flows & to place net water savings permanently into trust; G0800353 Walla Walla Basin Watershed Fdtn (WRIA 32) Water Storage Feasibility Study - \$929,000 Hydrology, Fisheries, & Aquifer Recharge Monitoring. Provide model to determine where shallow aquifer recharge (SAR) would be best to improve hydrology & fisheries benefits by continuing monitoring at the 3 existing SAR sites & develop a fisheries & hydrologic model for basin; G0800246 Nisqually Tribe (WRIA 11) - \$13,000 Watershed Capital & \$20,000

SEA Watershed Operating - \$33,000 install & maintain stream gage for Ohop Creek & Mashel River; G0800401 Spokane CD (WRIA 55) - \$8,000 Watershed Capital & \$108,000 SEA Watershed Operating - \$116,000 replace 1 gage & operate & maintain 6 stream gages; G0800499 Stevens Cty - \$44,300 (WRIA 59) - Watershed Capital to install 8 stream gages; G0800333 Klickitat Cty - \$63,000 (WRIA 30) - Watershed Capital to install 5 stream gages; G0800334 Klickitat Cty - \$67,900 (WRIA 30) - Watershed Capital install snotel & monitoring well in Swale Creek; G0800335 Chelan Cty- (WRIA 45) - \$98,000 Watershed Capital & \$130,000 SEA Watershed Operating \$228,000 Total - Hydrogeological monitoring equipment & groundwater monitoring in Mission & Chumstick Creek subbasin]. **Q4:** Pierce Cty - Clover/Chambers WRIA 12 - \$240,000 - infrastructure to increase stormwater infiltration for flow improvements; Chelan Cty - Stimilt/Squilchuck WRIA 40 - \$80,000 -Water Storage feasibility study; Cascadia CD - Entiat WRIA 46 - \$75,000 - Develop water exchange program; City of Rockford - Latah/Rock Ck WRIA 56 - \$838,000 - Water conservation improvement & fish habitat restoration; Kittitas Cty CD - Upper Yakima/Taneum Ck WRIA 39 - \$400,000 - Fish Barrier Removal. **Q5:** Total: \$1,503,300 (Columbia R. - \$1,145,000; Watershed grants - \$358,300) Col R Program Grants: Kennewick ID G0900029 Pump exchange alternative route analysis \$95,000; Kennewick G0900011 ASR feasibility Study \$1,050,000. Watershed Grants: Cascadia ID G0900037 Knapp Wham ditch consolidation (1.47 cfs net water savings in Entiat River, WRIA 46) \$300,000; Eatonville G0900033 ASR study (Mashel R tributary to Nisqually, WRIA 11) \$58,300. **Q6:** \$1,468,550 watershed grants statewide, this quarter. Walla Walla CD - piping Old Lowden DC, Bergin-Williams DC, and Garden City DC in WRIA 32 for \$603,750; Gardena Farms ID - piping engineering design in Walla Walla WRIA 32 for \$150,000; Columbia CD - piping West end ID Touchet River in WRIA 32 for \$80,800; Washington Water Trust - Water Acquisition \$360,000 (\$285,000 Watershed/Flow Achievement; \$75,000 Columbia River) and Washington Water Trust - Water Acquisition \$274,000 (\$199,000 Watershed/Flow Achievement; \$75,000 Columbia River). The funding for WA Water Trust & WA Rivers Conservancy is for searching for water to buy and the other projects are for engineering studies. Columbia CD piping is purchase of 221 a-f (1.22 cfs) from April through June of each year. **Q7:** \$7,876,250 funding for 8 projects - all in the Columbia drainage (Barker Ranch – Horn Rapids Piping – Yakima R. WRIA 37 - \$5,600,000; Boise Cascade – ASR WRIA 32 - \$1,375,000; Klickitat Co – Storage Assessment WRIA 31 - \$170,000; Chelan Co. – Campbell Creek Reservoir Storage Study WRIA 45 - \$232,500; Stevens PUD – Storage Feasibility Study Mill Ck WRIA 59 - \$125,000; Lands Council – Beaver Habitat/Storage Study WRIAs 54,54,57 - \$30,000; WSU – Spokane Valley Rathdrum Prairie ASR Study WRIAs 55,57 - \$250,000; Foster Creek CD – Surface Storage Study WRIAs 44,50 - \$93,750).

10. Support Water Use Efficiency

10. Support Water Use Efficiency

No Target. See measures WR02 and WR08 under Assess, Set and Enhance Instream Flows. Dave Burdick 407-6094	Q1: 07-09 Jul-Aug-Sep 07		Q2: 07-09 Oct-Nov-Dec 07		Q3: 07-09 Jan-Feb-Mar 08		Q4: 07-09 Apr-May-Jun 08		Totals FY 08		Q5: 07-09 Jul-Aug-Sep 08		Q6: 07-09 Oct-Nov-Dec 08		Q7: 07-09 Jan-Feb-Mar 09		Q8: 07-09 Apr-May-Jun 09		
	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	
		--		3 cfs +		--		1.16 cfs		4.16+ cfs		0.77		7.65 cfs		600 AF			

10. Suppo
Eff

Comments: **Q2: 3+ cfs into trust.** (WRIA 32 Walla Walla - Touchet Westside Irrigation District #5 open ditch to pressurized pipe conversion. 36,965 feet of piping. Net Water Savings 1,650.98 Acre Feet; 3.027 cfs placed permanently into trust. Funding: Total Cost \$1,513,400; Irrigation Efficiency \$1,040,925; Wat Infrastructure \$472,475. **Q4:** Total of 114.28 AAF (0.58 cfs) for \$134,460 [Burriss Farms - Coleman Creek (WRIA 39 Upper Yakima) 86.8 Acre/ft (0.37 cfs) \$114,600 and John Sorg - (WRIA 48 - Methow) 57.48 acre feet (0.21 cfs) \$19,860] **Q5:** Irrigation Efficiencies in Coleman Creek (tributary to Upper Yakima at Ellensburg, WRIA 39) \$215,000, 169 Acre feet 0.43 cfs and permanent water into trust via Washington Rivers Conservancy (Methow River, WRIA 48) 246 AAF [.34 cfs] for \$5,150. **Q6:** 1,530 acre-feet (approximately 7.65 cubic feet per second) saved: Eastside Touchet piping project at \$1,200,000 (\$888,000 irrigation efficiency funds & \$312,000 watershed planning funds) for 36,750 feet of piping. Columbia CD piping is purchase of 221 a-f (1.22 cfs) at \$80,800 from April through June of each year. **Q7:** Irrigation efficiency piping for Dungeness Irrigation District (WRIA 18) - 600 AAF for \$583,333.

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