



WASHINGTON STATE DEPARTMENT OF ECOLOGY

**WATER QUALITY FINANCIAL
ASSISTANCE PROGRAMS
FOR FISCAL YEAR 2003**


CENTENNIAL CLEAN WATER FUND PROGRAM

**CLEAN WATER ACT SECTION 319
NONPOINT SOURCE FUND PROGRAM**

**WASHINGTON STATE WATER POLLUTION
CONTROL REVOLVING FUND PROGRAM**

**DRAFT OFFER AND APPLICANT LIST
FY 2003**

**July 18, 2002
Publication No. 02-10-032**

 *Printed on Recycled Paper*

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If you have special accommodation needs or require this document in an alternative format, please call Donna Lynch at (360) 407-7529. The TDD number is (360) 407-6006. E-mail can be sent to dlyn461@ecy.wa.gov.



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
P.O. Box 47600 • Olympia, Washington 98504-7600
(360) 407-6000 • TDD Only (Hearing Impaired) (360) 407-6006

July 18, 2002

**Re: Centennial Clean Water Fund/Clean Water Act Section 319 Nonpoint Source Fund/Washington State Water Pollution Control Revolving Fund
FY 2003 Funding Cycle
Draft Offer and Applicant List**

To Interested Persons:

I am pleased to provide you with the enclosed state fiscal year 2003 (FY 2003) Draft Offer and Applicant List. This list covers the Centennial Clean Water Fund (Centennial), the federal Clean Water Act Section 319 Nonpoint Source Fund (Section 319), and the Washington State Water Pollution Control Revolving Fund (SRF) programs. The SRF Draft Intended Use Plan (IUP), which is available separately, contains more information on the projects where SRF funding is proposed. The projects proposed for funding reflect the highest priority water quality projects for the state of Washington.

Local governments, Native American tribes, and not-for-profit groups submitted 119 requests for funding consideration during the FY 2003 application cycle. Based on an evaluation of these applications and direction from the Washington State Legislature, Ecology proposes to fund 35 activity and 37 facility projects totaling \$146,579,359.

Ecology staff, using recommendations from other state agencies, evaluated the proposals, assigned points, and developed a statewide priority list reflecting projects in ranked order.

In addition to the funds proposed on the FY 2003 Draft Offer and Applicant List, Ecology reserved \$400,000 in FY 2003 Section 319 funds for water quality projects proposed by state of Washington agencies. This funding is used for high priority activities identified in Washington's Water Quality Management Plan to Control Nonpoint Source Pollution, April 2000. Sixteen applications were submitted by agencies with specific implementation responsibilities outlined in the Nonpoint Plan and 12 projects were selected to receive funding. Projects considered and selected are shown in a separate section of the Draft Offer and Applicant List.

Ecology is holding a public meeting (see enclosed Public Notice) to present an overview of these three funding programs and the process used to select projects for funding. Ecology staff will discuss the preparation of the draft list. Information will be provided on the remaining process and schedule to be followed before the FY 2003 Draft Offer and Applicant List will be finalized.

Interested Persons

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July 18, 2002

We welcome public comments on the FY 2003 Draft Offer and Applicant List or the FY 2003 SRF Draft IUP at these meetings. Alternatively, written comments will be accepted until August 19, 2002. Please mail written comments to:

Kim McKee
Department of Ecology
Water Quality Program
PO Box 47600
Olympia, WA 98504-7600

If you have questions about the Centennial program, please contact Kim McKee at (360) 407-6566. Questions about the SRF program can be directed to Brian Howard at (360) 407-6510 and questions for Section 319 can be directed to Aleceia Tilley at (360) 407-6429.

Sincerely,

Megan White, P.E., Manager
Water Quality Program

MW:tkr



Public Meeting Notice

Proposed Funding for Water Quality Projects

The Washington State Department of Ecology (Ecology) invites you to attend a public meeting to discuss the preparation of the Draft Offer and Applicant List for the Centennial Clean Water Fund, the federal Clean Water Act Section 319 Nonpoint Source Fund, and the Washington State Water Pollution Control Revolving Fund for state fiscal year 2003 (FY 2003). Ecology welcomes your comments on the draft list.

Ecology proposes to fund 72 activity and facility projects, including two extended payment grants, during the FY 2003 funding cycle. Ecology proposes to award \$24,874,999 from the Centennial Clean Water Fund, \$2,264,195 from the Clean Water Act Section 319 Nonpoint Source Fund, and \$119,440,165 from the Washington State Water Pollution Control Revolving Fund.

A 1986 state statute created the Water Quality Account, which is financed primarily through taxes on tobacco products. Ecology administers the Centennial Clean Water Fund, which is part of the Water Quality Account. The agency offers Centennial grants and loans to local governments, Native American tribes, and other public entities for water pollution control projects.

Ecology administers the federal Clean Water Act Section 319 Nonpoint Source Fund. This fund provides grants to local governments, Native American tribes, state agencies, and nonprofit organizations to address nonpoint source pollution and to improve and protect water quality. Nonpoint source pollution includes many diffuse sources of pollution including runoff from urban development, agricultural and timber practices, failing septic systems, pet waste, and gardening activities.

In addition, Ecology administers the Washington State Water Pollution Control Revolving Fund. This program uses federal funding from the U.S. Environmental Protection Agency and provides low-interest loans to local governments, Native American tribes, and other public entities. The loans are primarily for upgrading or expanding water pollution control facilities such as public sewage and stormwater plants, and for activities to address estuary management and nonpoint source water quality problems.

Ecology's water quality financial and technical assistance is essential to local governments, Native American tribes, and others. The proposed projects will help prevent water pollution and protect water quality for swimming, boating, fish habitat, and other important uses.

Ecology is an equal opportunity agency.

July 2002

Publication No. 02-10-030

Printed on recycled paper

If you have questions about the draft list, funding programs, or the public meetings, please contact Kim McKee at (360) 407-6566.

For more information about the draft list and water quality financial assistance, visit Ecology's web page at: <http://www.ecy.wa.gov/programs/wq/links/funding.html>

Following is the date, time, and location of the public meeting:

ELLENSBURG Tuesday, July 30, 2002

Beginning at 9:30 a.m.
Hal Holmes Community Center
201 North Ruby
Ellensburg, WA

Driving Directions

Exit 106 and drive over I-82 to the 4-way stop. Cascade Way winds around and turns into 8th Ave. At the light turn right onto Main St. Go through downtown to 3rd Ave. and turn left. Go 3 blocks to Ruby St. and turn right at the library. Hal Holmes is 1/2 block on the right. Parking is just past the building or on the street.

Exit 109 - South Exit - Turn right onto Canyon Rd. which turns into Main St. Go downtown to 3rd Ave. and turn right. Go 3 blocks to Ruby St. and turn right at the library. Hal Holmes is 1/2 block on the right. Parking is just past the building or on the street.

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DRAFT OFFER LIST

FY 2003

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**Fiscal Year 2003 Centennial Clean Water Fund (Centennial), Clean Water Act Section 319 Nonpoint Source Fund (Section 319),
and Washington State Water Pollution Control Revolving Fund (SRF) Draft Offer and Applicant List**

Application Number	Applicant Name/Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Proposed Funding			Loan Terms (years)	Loan Interest Rate	Footnotes
						CCWF	Section 319 Funds	SRF			
FP03EPG01	King County West Point WWTP Secondary Upgrade					\$7,548,500					1
FP03EPG02	Spokane County/City Spokane Rathdrum Prairie Aquifer					\$5,000,000					1
FP03046	Mason County Belfair Water Reclamation Facility Design	1	100	881	\$1,357,562			\$1,321,292	20	1.5	2
FP03116	Mason Conservation District The Lower Union River Restoration Study	2	60	862	\$246,580	\$246,580					
FP03060	Snohomish County Snohomish River Pollutant Diagnosis/Implementation	3	100	780	\$359,080	\$359,080					3
FP03033	Southwest Washington Health District Salmon Creek TMDL Implementation Project	4	100	775.5	\$374,981	\$299,981		\$100,000	5	0.5	3,4
FP03100	Bremerton City of Pacific Avenue CSO Reduction - Separation	5	80	770	\$250,000			\$250,000	20	1.5	
FP03023	Clark Public Utilities Salmon Creek Corridor Restoration	6	90	768.5	\$500,000	\$500,000					3
FP03061	Nooksack Salmon Enhancement Association Restore Lower Nooksack Tributaries	7	90	760	\$179,800		\$179,800				
FP03111	Thurston County Henderson Shellfish Response & TMDL Project	8	100	753	\$212,220	\$193,560					5
FP03115	Stanwood City of Wastewater Treatment Plant Upgrade & Expansion	9	100	752.5	\$8,440,000	\$4,108,833		\$4,331,167	20	0	6
FP03075	Centralia City of Pump Station and Conveyance Pipelines	10	100	726	\$8,200,000	\$4,100,000		\$4,100,000	20	0	6
FP03101	Bremerton City of Pacific Avenue CSO Reduction - Storage	11	70	717	\$1,000,000			\$1,000,000	20	1,5	

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Application Number	Applicant Name/Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Proposed Funding			Loan Terms (years)	Loan Interest Rate	Footnotes
						CCWF	Section 319 Funds	SRF			
FP03113	Thurston Conservation District Thurston Nutrient Reduction & Riparian Assessment	12	80	711.5	\$250,000	\$246,100					2
FP03028	Clark County Regional Inventory and Wetlands Restoration Strategy	13	100	697.5	\$300,375	\$300,375					3
FP03022	Snohomish Conservation District Small Farm Water Quality Improvements	14	90	689.5	\$211,500	\$204,375					7
FP03009	Pomeroy Conservation District Garfield County Riparian Restoration Project	15	90	689	\$223,500	\$223,500					
FP03008	Vancouver City of Water Resources Protection Program	16	80	678	\$429,000	\$429,000					3
FP03073	Snohomish Health District Drainfield Awareness Implementation Project	17	60	677	\$60,000	\$60,000					
FP03112	Thurston Conservation District Thurston County Poultry Manure Grant	18	90	671	\$98,088	\$98,088					
FP03066	King County Wastewater Treatment Division (WTD) Denny Way/Lake Union CSO Control Project/Elliott West Pipelines Contract	19	70	658.5	\$12,549,757			\$12,549,757	20	1.5	
FP03102	Bothell City of North Creek TMDL Action Plan	20	80	657.5	\$468,750	\$468,750					3
FP03110	Stillaguamish Tribe of Indians Portage Creek Subbasin Restoration	21	80	657.5	\$187,500		\$187,500				
FP03054	Federal Way City of West Branch Hylebos Creek Restoration	22	90	648.5	\$500,000	\$488,277	\$11,723				3
FP03091	Nooksack Salmon Enhancement Association South Fork Nooksack Tributaries Restoration	23	80	647.5	\$185,800		\$185,800				
FP03089	Benton City City of Wastewater Treatment Plant Construction	24	100	640	\$3,075,000			\$3,075,000	20	0	8

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						CCWF	Section 319 Funds	SRF			
FP03107	Lummi Nation Service Organization Marietta Slough Riparian Project	25	50	637.5	\$144,600		\$144,600				
FP03042	Skagit Conservation District Bayview Community Clean Water Pilot Project	26	100	633	\$200,625		\$200,625				
FP03085	Kittitas County Conservation District Teanaway Basin Restoration Project	27	90	628	\$156,827		\$156,827				9
FP03074	Duvall City of Wastewater Facilities Upgrade	28	90	624	\$1,221,000			\$1,221,000	5	0.5	
FP03024	South Yakima Conservation District Water Quality of Ungaged Drains	29	80	617.5	\$28,231		\$28,231				
FP03065	King County Wastewater Treatment Division (WTD) Henderson/M.L. King CSO Project	30	100	614	\$57,548,363			\$57,548,363	20	1.5	
FP03109	Stillaguamish Tribe of Indians Jorgenson Slough Restoration	31	90	609	\$204,000		\$163,500				5
FP03055	Tacoma-Pierce County Health Department Anderson Island Shellfish Project	32	40	602	\$79,200		\$79,200				
FP03029	Tacoma City of Tacoma Central Treatment Plant Upgrade	33	100	600	\$5,000,000			\$5,000,000	20	1.5	
FP03069	Thurston County Tamoshan Wastewater Treatment Plant Replacement	34	90	593	\$1,430,800			\$1,430,800	20	0	8
FP03012	Colfax City of Influent Pump/Pretreatment/Telemetry Upgrade	35	100	592.5	\$725,000			\$725,000	20	1.5	
FP03026	Newman Lake Flood Control Zone District Newman Lake Watershed Monitoring and Education	36	100	592	\$72,000		\$63,683				2
FP03072	Bremerton-Kitsap County Health District Yukon Harbor Watershed Restoration Project	37	90	589.5	\$250,000		\$250,000				

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						CCWF	Section 319 Funds	SRF			
FP03051	Planet CPR Grate-Mate Water Quality Education Project	38	70	574.5	\$35,000		\$35,000				
FP03021	Snohomish Conservation District Agricultural BMP Implementation In Island County	39	100	568.5	\$243,000		\$242,250				
FP03117	Yelm City of Reclaimed Water Distribution/Storage Facilities	40	100	567.5	\$755,000			\$755,000	20	1.5	
FP03082	Cascade Irrigation District Mechanized Canal Vegetation Management Program	41	100	567.5	\$395,000		\$195,000	\$200,000	5	0.5	9
FP03018	Spokane County Conservation District Spokane County Riparian Inventory/Assessment	42	100	567.5	\$201,500						10
FP03084	Asotin County Conservation District Asotin County Riparian Buffer Project	43	100	555	\$238,600		\$140,456				11
FP03040	Whatcom County Planning & Development Services Lummi Island Ground Water Planning	44	70	551	\$105,225						12
FP03014	Stevens County Conservation District GIS Enhanced Watershed Planning/Implementation	45	100	547.5	\$324,938						12
FP03048	Cowlitz Conservation District Coordinated Watershed Restoration	46	80	545	\$240,508						12
FP03052	Benton Conservation District Yakima Mainstem Monitoring & BMP Implementation	47	90	540	\$242,111						12
FP03064	King County Wastewater Treatment Division (WTD) Southwest Interceptor - Kent Section	48	100	538.5	\$4,433,396			\$4,433,396	20	1.5	
FP03030	Olympia City of Capitol Lake Stormwater Quality Improvement	49	70	531	\$70,000			\$70,000	5	0.5	
FP03049	Wahkiakum Conservation District Neighborhood Watershed Stewardship Program	50	90	522.5	\$240,652						12

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						CCWF	Section 319 Funds	SRF			
FP03106	Lummi Nation Service Organization Acme - Saxon Reach 2 Instream	51	40	520	\$250,000						12
FP03081	Kettle Falls City of Kettle Falls Wastewater Facility Plan	52	90	517.5	\$90,000			\$90,000	5	0.5	
FP03043	Kitsap Conservation District Livestock, Habitat, and Suburban Living	53	30	515	\$205,000						12
FP03088	Kelso City of Illicit Discharge Detection Program	54	90	513.5	\$86,000			\$86,000	20	1.5	
FP03003	Franklin Conservation District Perennial Wheat Erosion Buffers	55	100	510	\$248,911						12
FP03056	Whitman Conservation District Water Quality Monitoring on Palouse Tributaries	56	90	508	\$215,000						12
FP03025	Tulip Tribes Skykomish River Water Quality Study	57	80	503.5	\$157,049						12
FP03067	King County Wastewater Treatment Division (WTD) Southwest Interceptor - Auburn Section	58	90	503.5	\$3,495,729			\$3,495,729	20	1.5	
FP03062	Milton City of Surprise Lake Basin Restoration Plan	59	80	495.5	\$92,515			\$92,515	20	1.5	
FP03114	Kennewick City of Kennewick Comprehensive Stormwater Plan	60	0	491	\$300,000			\$300,000	5	0.5	
FP03076	Asotin County Conservation District Green Manure Project	61	80	490	\$63,400						12
FP03058	Stevens County Conservation District Livestock Partnership for Clean Water	62	90	483.5	\$150,000						12
FP03010	Granite Falls City of Receiving Water and Effluent Study	63	50	482.5	\$37,337			\$37,337	20	1.5	
FP03015	Colville Confederated Tribes Omak Basin Ground Water Resource Planning	64	0	482.5	\$186,190						12
FP03004	San Juan County Health & Community Services San Juan On-Site Failure Repair	65	90	472.5	\$250,000			\$250,000	5	0.5	

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						CCWF	Section 319 Funds	SRF			
FP03047	Wahkiakum Conservation District Wellhead Project	66	70	472.5	\$209,107						12
FP03057	Whitman Conservation District Snake River Drainage Monitoring and Assistance	67	70	465	\$215,000						12
FP03013	Stevens County Conservation District Little Pend Oreille Watershed Planning	68	80	461.5	\$195,000						12
FP03007	Washington State University Evaluation of Fall Soil Nitrate Tool	69	100	460	\$500,000						12
FP03098	Western Washington University Measuring P2 Education Results	70	30	453.5	\$236,349						12
FP03083	Consolidated Diking Improvement District No. 1 Regional Detention Pilot Project in Longview, WA	71	100	453.5	\$304,500			\$304,500	20	1.5	
FP03099	Bremerton City of Anderson Cove Inflow/Infiltration Study	72	20	447.5	\$200,000			\$200,000	20	1.5	
FP03059	Lincoln County Conservation District Lincoln County Livestock Implementation Project	73	100	442.5	\$234,375						12
FP03079	Yakima County Public Works West Valley Stream Assessment	74	70	441.5	\$89,432						12
FP03077	Western Washington University Tennant Lake/Silver Creek Watershed Project	75	10	436.5	\$80,607						12
FP03120	Upper Grant Conservation District Water on Wheels for GWMA	76	0	435.5	\$166,276						12
FP03032	Soap Lake City of Sewer Treatment System Improvements	77	0	432.5	\$1,500,000			\$1,500,000	20	0	8
FP03036	Winlock City of Winlock Source Water Protection Plan	78	50	432.5	\$80,000			\$60,000	20	1.5	
FP03053	Whitman Conservation District Whitman County Water Quality Education	79	80	423.5	\$187,500						12

**Fiscal Year 2003 Centennial Clean Water Fund (Centennial), Clean Water Act Section 319 Nonpoint Source Fund (Section 319),
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Application Number	Applicant Name/Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Proposed Funding			Loan Terms (years)	Loan Interest Rate	Foot-notes
						CCWF	Section 319 Funds	SRF			
FP03031	Olympia City of Reclaimed Water Implementation Analysis	80	80	414	\$50,000						12
FP03034	Winlock City of Cowlitz River Sub-Basin Enhancement Study	81	60	412.5	\$250,000			\$187,500	20	1.5	
FP03080	Yakima County Public Works Yakima Urban Areas Stormwater Management Plan and Design Manual	82	50	402.5	\$500,000			\$500,000	20	1.5	
FP03045	United Indians of All Tribes Foundation The Circle of Life	83	60	392.5	\$195,488						12
FP03086	Lake Stevens City of Erosion Control Kiosk	84	40	390.5	\$39,720			\$39,720	19	1.5	
FP03035	Winlock City of Winlock Wastewater Facility Planning	85	100	384.5	\$125,000			\$125,000	20	1.5	
FP03050	Port Gamble S'Klallam Tribe Port Gamble Bay Studies	86	50	382.5	\$142,300						12
FP03093	Skagit County Public Works Phase 2 - Watershed Scale Baseline Monitoring	87	100	380	\$139,500						12
FP03071	Public Utility District No. 1 of Stevens County Loon Lake Wetlands/Watershed Protection	88	70	379	\$200,000			\$200,000	20	1.5	
FP03105	Colville Confederated Tribes Omak Creek Monitoring Station Installations	89	0	375	\$160,205						12
FP03104	Ferry Conservation District Headwaters of the San Poil	90	0	371	\$250,000						12
FP03103	Ferry Conservation District Watershed Improvement Project	91	0	368	\$250,000						12
FP03002	Grays Harbor Conservation District Water Quality Assessment	92	100	363.5	\$64,982						12

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Application Number	Applicant Name/Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Proposed Funding			Loan Terms (years)	Loan Interest Rate	Footnotes
						CCWF	Section 319 Funds	SRF			
FP03090	Valley Institute for Research and Education Lower Yakima Valley Ground Water Study	93	60	362.5	\$285,000						12
FP03095	Spokane City of Water Quality Education Program	94	90	347.5	\$822,500						12
FP03019	Adams Conservation District Phosphorous/Nitrogen Loading in Cow Creek Watershed	95	70	345	\$205,643						12
FP03017	Spokane County Conservation District Dairy Nutrient Management Assistance Program	96	90	341.5	\$1,500,000			\$1,500,000	15	1.5	
FP03068	King County Wastewater Treatment Division (WTD) King County Wastewater Security Improvements	97	50	322.5	\$1,550,000			\$1,550,000	20	1.5	
FP03078	Coulee City Town of Coulee Lake Restoration and Enhancement	98	0	315	\$84,000						12
FP03011	Public Utility District No. 1 of Chelan County Lake Chelan PCB/DDE Monitoring	99	0	311	\$146,250						12
FP03121	Moses Lake Irrigation and Rehabilitation District Sources of Phosphorus Entering Moses Lake	100	0	307.5	\$112,500						12
FP03041	Whatcom County Planning & Development Services Shoreline Inventory of Whatcom County	101	20	247.5	\$110,000						12
FP03006	Conservation Districts Partnership Integrated Resource Management - Furrow Irrigation	102	0	217.5	\$250,000						12
FP03119	Clallam County Public Works Comprehensive Sewer Plan for Sekiu and Clallam Bay WWTP	103	0	10	\$425,000			\$425,000	20	1.5	

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Application Number	Applicant Name/Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Proposed Funding			Loan Terms (years)	Loan Interest Rate	Footnotes
						CCWF	Section 319 Funds	SRF			
FP03087	Hop Growers of Washington, Inc. Plastic Irrigation Tubing Recycling Program				\$50,000						13
FP03108	Lummi Nation Service Organization Middle Fork Road Sediment Reduction				\$250,000						13
FP03063	Pasco City of Butterfield Solids Decanting/Drying Beds - Phase 2				\$500,000						13
FP03097	Spokane City of Central Business District Line Rehabilitation				\$1,000,000						13
FP03094	Spokane City of Northwest Terrace Force Main Replacement				\$800,000						13
FP03096	Spokane City of System-Wide Interceptor Inspection Program				\$1,000,000						13
FP03016	Spokane County Conservation District Biodiesel Development Program				\$2,075,000						13
FP03092	Whitman Conservation District Canola Farm-to-Market Demonstration				\$118,000						13
FP03037	Willapa Harbor Port of Wastewater Pretreatment Facility Upgrade				\$188,700						13

Refinance Projects

Application Number	Applicant Name/Project Title	Rank	% of Median Household Income	Total Funds Requested	SRF Proposed Funding	Loan Terms (Years)	Loan Interest Rate	Footnotes
FP03070	Thurston County Grand Mound Sewer Facilities Construction	1	6.40	\$5,317,300	\$5,317,300	20	1.5	14
FP03039	Fisherman Bay Sewer District Refinance Existing Bond Debt	2	3.88	\$464,374	\$464,374	20	0	8
FP03027	Coulee City Town of Coulee City Wastewater Loan Refinance	3	3.68	\$1,361,112	\$1,361,112	20	0	8

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FP03001	Public Utility District No. 1 of Stevens County Echo Estates Sewer Loan Refinancing	4	3.61		\$96,900	\$96,900		20	0	8	
FP03118	Yelm City of Yelm Sewer Project Loan Refinance	5	2.91		\$1,668,745	\$1,668,745		20	1.5		
FP03020	Monroe City of Eastside Interceptor	6	1.08		\$1,327,254	\$1,327,254		20	1.5		
FP03005	Tekoa City of Wastewater Treatment Plant Improvements	7	1.00		\$150,404	\$150,404		20	1.5		

Centennial Funds Proposed: \$24,874,999
Section 319 Funds Proposed: \$2,264,195
SRF Funds Proposed: \$119,440,165
Total Funds Proposed: \$146,579,359

Notes:

Total points reflect an average from two regional evaluator scores. Further conditions relating to funding eligibility, best management practices on private property, Quality Assurance Project Plans, Growth Management Act compliance, or other issues may be included in written correspondence related to any project.

Footnotes:

1. Ecology proposes extended grant payments as established by the Washington State Legislature.
2. The amount proposed is lower than the amount requested based on an adjustment for ineligible components identified in the application.
3. The applicant requested a higher grant amount in accordance with the FY 2003 Funding Guidelines WAC 173-95A-030(6)(b)(i). Grants made for activities projects under the Centennial program are subject to ceiling amounts of: Five hundred thousand dollars if the match for the grant is entirely in the form of cash.

Fiscal Year 2003 Centennial Clean Water Fund (Centennial), Clean Water Act Section 319 Nonpoint Source Fund (Section 319), and Washington State Water Pollution Control Revolving Fund (SRF) Draft Offer and Applicant List

4. Although the applicant requested grant funding, several loan eligible components have been identified and therefore this project is being proposed as a grant and loan combination.
5. The applicant requested grant funding and indicated on their application that they would not accept a loan. This project was identified as having loan eligible components and therefore the proposed grant amount is lower than the funds requested amount.
6. Financial hardship was shown and a reduced loan rate, longer loan term, and partial grant funding are proposed.
7. The amount proposed is lower than the amount requested based on an adjustment for overlapping components identified in another project.
8. Financial hardship was shown and a reduced loan rate and a longer loan term are proposed.

Fiscal Year 2003 Centennial Clean Water Fund (Centennial), Clean Water Act Section 319 Nonpoint Source Fund (Section 319), and Washington State Water Pollution Control Revolving Fund (SRF) Draft Offer and Applicant List

Footnotes Continued:

9. This project is being proposed for funding as a demonstration project involving an innovative/alternative technology.
10. Only Section 319 grant funds remained available after Centennial funds were identified for higher priority projects. This project is not Section 319 eligible and therefore no funding is proposed for this project.
11. The amount proposed reflects the amount remaining after higher priority projects were proposed for funding.
12. The applicant requested grant funding and after higher priority projects were proposed for funding, no grant funds remain available.
13. The project is ineligible for funding consideration.
14. A financial hardship analysis was conducted and Ecology has determined that financial hardship cannot be shown.

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SUMMARY OF PROJECTS

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**Fiscal Year 2003 Centennial Clean Water Fund, Clean Water Act Section 319 Nonpoint Source Fund,
Washington State Water Pollution Control Revolving Fund: Project Summaries**

Application number: applicant name: proposed project name: Description (from application)
FP03001: Public Utility District No. 1 of Stevens County: Echo Estates Sewer Loan Refinancing: Department of Health had issued a Departmental Order on the previous sewer system. The effluent was surfacing on the previous drainfield. PUD replaced previous sewer system for the unincorporated community of Echo Estates. This project consisted of abandoning existing septic tanks, replacing with 24-4" gravity service connections including backwater valves; replaced gravity side sewer pipe, gravity interceptor collection pipe main; installed collection/dosing tanks and replaced the entire drainfield, which was totally saturated.
FP03002: Grays Harbor Conservation District: Water Quality Assessment: The Department of Ecology has completed the Grays Harbor Fecal Coliform Total Maximum Daily Load study, June 2000, which concluded that all the river systems (except the Wynoochee) needed to have the fecal coliform reduced. This project seeks to identify the fecal loading sources in the Chehalis River (within Grays Harbor County) and the Estuary, by conducting a water quality (fecal coliform) monitoring project.
FP03003: Franklin Conservation District: Perennial Wheat Erosion Buffers: This project will address water and soil runoff from fallow fields in dryland areas of Franklin and Whitman counties. Erosion events increase sediment and contaminants in Eastern Washington streams. Perennial wheat will be evaluated as an erosion control method, compared to conventional wheat/fallow and CRP cultivations.
FP03004: San Juan County Health & Community Services: San Juan On-Site Failure Repair: This project will continue to provide revolving loan funds to property owners in San Juan County for the repair of failing on-site septic systems. Eligible recipients will be identified through marketing and through education of on-site septic system contractors (designers, installers, pumpers, O&M).
FP03005: Tekoa City of: Wastewater Treatment Plant Improvements: This application is a standard refinance request for a loan from USDA - Rural Development. This loan was taken in March, 1991 to pay for improvements to the City's wastewater treatment plant. The remaining balance on the loan is \$150,403.83. The City requests this SRF loan to refinance the RD loan under better interest terms. A future upgrade to the treatment plant is expected to be necessary within the next five to seven years. Reduced payments on the 1991 improvements will better enable the City to accomplish the future improvements.
FP03006: Conservation Districts Partnership: Integrated Resource Management - Furrow Irrigation: Nitrate in ground water and well water in the Columbia Basin continues to be an issue. Phosphorus carried in sediment loads has recently been introduced as an increasingly serious potential problem. Furrow-irrigated cropland will remain an important specialty niche in the land base of the Basin's agricultural community, but both of the above problems plague this type of irrigation. Education of the strategies available to the farmer via intensive integrated resource management will speed the process of agriculture positively impacting (or at least less negatively impacting) the water quality in the Basin.
FP03007: Washington State University: Evaluation of Fall Soil Nitrate Tool: This project will enhance ground water quality via the evaluation, refinement, and education of dairy producers, environmental advisors, and regulators about a tool (Fall Soil Nitrate Report Card Test - appendix, Tech Note 35) used to evaluate soil-crop nitrogen use. Tasks include two years of field research and broad based educational programs.
FP03008: Vancouver City of: Water Resources Protection Program: Funding is requested to implement the city of Vancouver's Water Resources Protection Program to monitor and protect surface and ground water. A new Water Resources Protection Ordinance will give the City authority to inspect facilities for BMPs, monitor for water quality, and provide education and technical assistance.
FP03009: Pomeroy Conservation District: Garfield County Riparian Restoration Project: This project will be used as cost share to assist livestock owners with pasture and winter-feeding areas along the streams of Garfield County. It will be used in conjunction with the Conservation Reserve Enhancement Program to move and/or improve the management of their livestock in the riparian areas to improve water quality.
FP03010: Granite Falls City of: Receiving Water and Effluent Study: Granite Falls received a NPDES permit (2/10/02) requiring the City to complete a "Receiving Water and Effluent Study". This study will develop background data to assess current effluent limits from the wastewater plant. Data generated will be used to adjust effluent limits to protect salmonids and beneficial uses.
FP03011: Public Utility District No. 1 of Chelan County: Lake Chelan PCB/DDE Monitoring: The project will include core sampling conducted approximately four times/year for two years at approximately five sites on Lake Chelan. The data will be used to create a quality database that may be used by Ecology to delist Lake Chelan for DDE and PCBs or in developing a TMDL.
FP03012: Colfax City of: Influent Pump/Pretreatment/Telemetry Upgrade: Construct new influent pumping/pretreatment facilities and upgrade plant telemetry and controls to help prevent raw sewage bypasses to the Palouse River and backups in basements due to problems at the existing headworks/influent pumping facilities. This project also eliminates unsafe working conditions and upgrades controls on emergency generator.

**Fiscal Year 2003 Centennial Clean Water Fund, Clean Water Act Section 319 Nonpoint Source Fund,
Washington State Water Pollution Control Revolving Fund: Project Summaries**

Application number: applicant name: proposed project name: Description (from application)
FP03013: Stevens County Conservation District: Little Pend Oreille Watershed Planning: Proposed project will result in a comprehensive watershed management plan to protect, maintain, and improve surface water quality within the Little Pend Oreille River Watershed, ranked fourth among the watersheds located within Colville River Basin (WRIA 59) and assigned the following 303(d) listed problem areas: fecal coliform, flooding, and bank hardening.
FP03014: Stevens County Conservation District: GIS Enhanced Watershed Planning/Implementation: This project will expand and utilize an integrated GIS to enhance current watershed planning and implementation projects in the Colville Basin (WRIA 59). It will result, directly or indirectly, in demonstrated improvements in coordinated environmental decision-making, on-the-ground project planning and tracking, public education activities, and actual water quality.
FP03015: Colville Confederated Tribes: Omak Basin Ground Water Resource Planning: Establish the hydrogeologic connection of ground water in bedrock fractures to Omak Creek in order to protect this ground water resource for supplementing instream flows and reducing stream temperatures for steelhead and spring Chinook recovery efforts. Study to be used in water resource management and setting of instream flow in Omak Creek.
FP03016: Spokane County Conservation District: Biodiesel Development Program: A major impediment to the adoption of direct seeding systems is the lack of economically viable rotational crops. Direct seeding (no tillage or minimum tillage farming) is the most effective method of conservation tillage to prevent soil erosion and sedimentation of streams and waterways. This project will provide an economically viable crop alternative for direct seeding operations.
FP03017: Spokane County Conservation District: Dairy Nutrient Management Assistance Program: Animal waste treatment: EPA and DOE have identified dairies as significant contributors to ground water nutrient loading. Methane digesters are considered appropriate technology to aid dairy operators in reducing ground water pollution and greenhouse gas production. This project will result in the construction of methane digesters on six dairies in Spokane County.
FP03018: Spokane County Conservation District: Spokane County Riparian Inventory/Assessment: The project assesses the biological/physical characteristics and watershed processes of Spokane County shorelines surrounding fish bearing streams. The assessment identifies areas where processes and habitat alterations may be resulting in nonpoint pollution and water quality degradation. The Proper Functioning Condition methodology will be utilized to assess, rank, and prioritize sites.
FP03019: Adams Conservation District: Phosphorous/Nitrogen Loading in Cow Creek Watershed: Delineate location and amounts of phosphorous and nitrogen loading throughout the Sprague Lake and Cow Creek watershed in order to evaluate and prioritize BMPs to reduce phosphorous loading into surface waters. Evaluation will determine if phosphorous loading to Cow Creek surface waters is through sediment or ground water.
FP03020: Monroe City of: Eastside Interceptor: Installation of a 24-inch gravity sanitary sewer interceptor to serve the developing north-central are of the City, and relieving pressure on the existing 179th Avenue pump station.
FP03021: Snohomish Conservation District: Agricultural BMP Implementation In Island County: Snohomish Conservation District (SCD) and Whidbey Island Conservation District (WICD) join in this project for the purpose of protecting, enhancing, and restoring water quality and stream resources in Island County through a program emphasizing agricultural BMPs. This project will provide landowners with technical, educational, and cost share assistance to implement BMPs. WICD will provide services to Whidbey Island landowners and SCD to Camano Island landowners. Actions to achieve project objectives will include several forms of public outreach such as web pages, project fact sheet, newsletter articles, and workshops. Other activities include a windshield farm survey, mailings, site visits, farm plans, and water quality monitoring.
FP03022: Snohomish Conservation District: Small Farm Water Quality Improvements: Snohomish Conservation District (SCD) intends to educate and assist small farm owners to improve water quality and fish habitat within the North Creek, Marshland, and Little Bear Creek Watersheds. SCD will develop farm plans and assist in BMP implementation using the Natural Resources Conservation Service standards and specifications that address management of nutrients, sediment, waste, and riparian zones.
FP03023: Clark Public Utilities: Salmon Creek Corridor Restoration: The Salmon Creek Basin has experienced gradual water quality degradation from land use practices and urbanization and is not meeting state water quality standards for a Class A waterbody. This project will enhance and protect the streambank by re-vegetation of the riparian corridor and supporting activities. This is a well-recognized practice to reduce erosion and runoff and in the long-term will improve water quality in the Salmon Creek Basin.
FP03024: South Yakima Conservation District: Water Quality of Ungaged Drains: Sample ungaged drains within South Yakima Conservation District on non-reservation lands during the irrigation season of 2003. Gather recent and field-specific crop and irrigation types. Compare water quality and land use results of the ungaged drain areas against Sulphur Creek Wasteway and Granger Drain watersheds.
FP03025: Tulalip Tribes: Skykomish River Water Quality Study: Water quality in the Skykomish River basin is relatively unknown. The Tulalip Tribes propose to monitor standard water quality parameters, including pesticides and herbicides, and metals in the Skykomish River basin. Pesticide testing will occur within an array of land uses, such as forestry, urban, agriculture, and transportation corridors adjacent to streams.

**Fiscal Year 2003 Centennial Clean Water Fund, Clean Water Act Section 319 Nonpoint Source Fund,
Washington State Water Pollution Control Revolving Fund: Project Summaries**

Application number: applicant name: proposed project name: Description (from application)
FP03026: Newman Lake Flood Control Zone District: Newman Lake Watershed Monitoring and Education: This project will provide long-term reductions of excess nutrients in Newman Lake by preparing and implementing a Watershed Monitoring Plan, involving the local school district in hands on watershed educational and monitoring activities, and communicating these efforts by starting up a Newman Lake Watershed web page and continuing the Watershed newsletter.
FP03027: Coulee City Town of: Coulee City Wastewater Loan Refinance: Approximately 30 acres of non discharge evaporation lagoons were constructed in 1997 to treat the wastewater from the Town of Coulee City. The original loan was financed through USDA Rural Development with an interest rate of 4.5 percent and a period of 40 years. The City is applying to refinance the loan with consideration for financial hardship.
FP03028: Clark County: Regional Inventory and Wetlands Restoration Strategy: The project will entail completion of a local wetlands inventory; development of wetland habitat restoration standards based in-part on a thorough evaluation of historical habitats and hydrology in Clark County; and recommendations for long-term conservation and preservation strategies reflecting the priorities of key stakeholders in the region.
FP03029: Tacoma City of: Tacoma Central Treatment Plant Upgrade: Design an upgrade to the Central Wastewater Treatment Plant to increase the capacity to a maximum monthly flow of 60 mgd, and a peak hydraulic capacity of 150 mgd. Improvement areas include: Influent Screening; Influent Pumping; Grit Removal; Installing Ballasted Sedimentation; Effluent Pumping; Chlorination; Solids Handling.
FP03030: Olympia City of: Capitol Lake Stormwater Quality Improvement: Capitol Lake is 303(d) listed for fecal coliforms and total phosphorus and scheduled for TMDL development in 2003. This project will identify stormwater discharges and potential sewer connections to Capitol Lake through an inspection of pipe networks and water quality sampling. The project will identify contamination sources and define solutions.
FP03031: Olympia City of: Reclaimed Water Implementation Analysis: The city of Olympia has anticipated a need to reduce the wastewater discharging into Budd Inlet, and to protect public potable water resources from over abstraction. To accomplish these goals the City, as water purveyor, is investigating developing the infrastructure capacity required to supply reclaimed water for the urban community. One million gallons per day of 'Class A' reclaimed water will be available at the LOTT plant in Olympia in 2003. This grant will allow the examination of all engineering issues around implementation.
FP03032: Soap Lake City of: Sewer Treatment System Improvements: A Centennial and/or SRF loan is requested for construction of Soap Lake Treatment Plant improvements. Improvements will include: Installation of an influent grinder; Modifying existing oxidation ditch for nitrogen removal; Addition of a clarifier; Upgrading sludge handling facilities; Replacing existing land application spray irrigation and drainfield with rapid infiltration basins.
FP03033: Southwest Washington Health District: Salmon Creek TMDL Implementation Project: The Salmon Creek TMDL Implementation Project is designed to meet the bacteria TMDL that Ecology established in 2001 by identifying and controlling failing septic systems. Project implementation will assure that the Southwest Washington Health District meets the provisions set fourth in an 11/00 Memorandum of Agreement between Ecology and SWWHD.
FP03034: Winlock City of: Cowlitz River Sub-Basin Enhancement Study: The scope of the project is to conduct a comprehensive water quality enhancement study for the Lower Cowlitz River sub-basin. The study will focus on Olequa Creek in the vicinity of the city of Winlock and collected data will be used to support forthcoming wastewater facilities planning efforts to be conducted by the City. The study will establish a water quality monitoring program, investigate pertinent water quality issues as they relate to the study area (including beneficial uses of municipal wastewater treatment plant discharge), and developing stream corridor best management practices.
FP03035: Winlock City of: Winlock Wastewater Facility Planning: The scope of the project is to prepare a combined General Sewer Plan and Wastewater Facilities Plan for the city of Winlock, Lewis County. The plan will address the community's current needs, projected future need resulting from normal population growth, and projected future need related to possible development of a theme park that may use the City's wastewater facilities.
FP03036: Winlock City of: Winlock Source Water Protection Plan: The scope of the project is to prepare a Source Water Protection Plan for the city of Winlock, Lewis County in accordance with WAC 246-290. The plan will develop a wellhead protection area incorporating all current and possible future City owned wells within the area. Required elements of the plan will be incorporated into planning documents being prepared by proposed developers and the Water System Master Plan currently under development by the city of Winlock. An aquifer impacts study will be conducted to support development of the Wellhead Protection Plan that will investigate the possible impacts of major development that is proposed and also evaluate suitability of conversion of existing private wells to municipal wells.
FP03037: Willapa Harbor Port of: Wastewater Pretreatment Facility Upgrade: The Port's wastewater pretreatment facility has been systematically overloaded for some time, adversely affecting the receiving water (city of Raymond Municipal Plant). Ecology has required the commissioning of a primary clarifier. (State waste discharge permit #ST6105) The Port is requesting funding to install a new dissolved air flotation clarifier.

**Fiscal Year 2003 Centennial Clean Water Fund, Clean Water Act Section 319 Nonpoint Source Fund,
Washington State Water Pollution Control Revolving Fund: Project Summaries**

Application number: applicant name: proposed project name: Description (from application)
FP03039: Fisherman Bay Sewer District: Refinance Existing Bond Debt: To refinance existing loan which was used to upgrade facilities and acquire land.
FP03040: Whatcom County Planning & Development Services: Lummi Island Ground Water Planning: Develop an understanding of island aquifers and water budget in order to support land use planning decisions that ensure sustainable ground water supply and protect water quality. Activities include: map recharge areas using existing information, calibrate a water budget with sub-basin data, and design long-term monitoring network.
FP03041: Whatcom County Planning & Development Services: Shoreline Inventory of Whatcom County: The project will support baseline marine shoreline inventory work used to update the local Shoreline Master Program. It will be used to protect and restore water quality and ESA listed threatened fish habitat by avoiding and/or mitigating site specific and cumulative negative impacts of continuing growth and development.
FP03042: Skagit Conservation District: Bayview Community Clean Water Pilot Project: The Bay View Community Clean Water Pilot Project is a comprehensive community education, involvement, and implementation project to inspire and foster sustainable behavior and to reduce the cumulative impacts of individual actions that have potentially lead to Bayview State Park being listed as "prohibitive" for commercial and recreational shellfish harvesting due to high fecal coliform and the listing of three of the watersheds primary freshwater drainages on the State's 303(d) list.
FP03043: Kitsap Conservation District: Livestock, Habitat, and Suburban Living: The Kitsap Conservation District seeks funding to support local agricultural land use, to maintain important connections between rural and suburban values, to sustain the agricultural economy of the county and to provide critical education and on-the-ground technical assistance for protection of natural resources and restoration of salmon habitat.
FP03045: United Indians of All Tribes Foundation: The Circle of Life: Provide education and interactive dialogue with residents on the salmon recovery issue focusing on their importance to Indian tribes in economic, social and cultural values, both historic and contemporary. Publish adult and children's publications and distribute through educational partnerships with the Hiram Chittenden Locks, Maritime Heritage Center and tribal fisheries.
FP03046: Mason County: Belfair Water Reclamation Facility Design: The proposed project is for design of the water reclamation facility and collection system identified in Belfair/Lower Hood Canal Water Reclamation Facility will service the core area of the Belfair UGA, located adjacent to Lynch Cove, the Belfair State Park, have an initial capacity of 156,000 gallons per day for the Belfair UGA, and utilize private forest land.
FP03047: Wahkiakum Conservation District: Wellhead Project: Follow-up on previous wellhead project in Wahkiakum County, compile a comprehensive inventory/study of private wells and water systems in Wahkiakum and Cowlitz Counties, educate the public on practices that will help to protect ground water, and develop a database for tracking test results and compile all required reports.
FP03048: Cowlitz Conservation District: Coordinated Watershed Restoration: The overall goal is to improve water quality and fish habitat in Wahkiakum and Cowlitz Counties. We will facilitate watershed planning, provide assistance to landowners and by so doing, facilitate the implementation of BMPs. Develop two watershed plans and perform restoration work in support of the planning effort.
FP03049: Wahkiakum Conservation District: Neighborhood Watershed Stewardship Program: A neighborhood watershed stewardship program is created where suburban and rural landowners receive training on conservation practices. In exchange, stewards complete conservation projects on each other's properties, and volunteer for outreach activities. This provides a mechanism to protect water, soil, and wildlife for landowners not qualified for subsidized conservation programs.
FP03050: Port Gamble S'Klallam Tribe: Port Gamble Bay Studies: Though numerous studies have documented marine sediment contamination and water quality degradation in Port Gamble Bay, there is little detailed information on the Bay's bathymetry, water circulation, shellfish contamination, or basic water chemistry [e.g. eutrophication status] with which to inform and relate decisions on hazardous waste cleanup, water/sediment quality, and shellfish management. We propose to map bathymetry, conduct tidal circulation studies, assess shellfish contamination to suspected contaminants, and collect baseline water chemistry data to: 1. determine contamination impacts to Tribal shellfish resources, 2. gage site clean up success and inform remedial restoration actions, and 3. provide long-term baseline monitoring data for Port Gamble Bay.
FP03051: Planet CPR: Grate-Mate Water Quality Education Project: This project will use the Grate Mate program to demonstrate a public education and stewardship model for Washington cities, and in particular to document and disseminate innovative funding approaches for ongoing stewardship programs. The Grate Mate program involves volunteers installing sock-type catch basin inserts under the parking lot drains of businesses. The program provides public education opportunities for both volunteers and businesses. City of Tacoma staff will assist the project by designating ideal locations for Grate Mate installation and sharing their experience with developing a new city-operated funding program to support public education and stewardship. Tacoma's funding program and other models will be showcased at a public education and stewardship summit for Washington cities. Finally, the project will also provide an initial assessment of new absorbent technologies for removal of dissolved metals in stormwater.

**Fiscal Year 2003 Centennial Clean Water Fund, Clean Water Act Section 319 Nonpoint Source Fund,
Washington State Water Pollution Control Revolving Fund: Project Summaries**

Application number: applicant name: proposed project name: Description (from application)
FP03052: Benton Conservation District: Yakima Mainstem Monitoring & BMP Implementation: This project will initiate a water quality monitoring program in the main stem of the Lower Yakima River. Results from the monitoring will be utilized to implement actions outlined in Ecology's TMDL implementation plans, Yakima Sediment Reduction Plan and NRCS' EQIP on-farm conservation program. Benton CD will coordinate with Basin CDs, irrigation districts, and other Basin entities to implement water quality improvements for salmonids.
FP03053: Whitman Conservation District: Whitman County Water Quality Education: The project targets water quality education through implementational activities for the area youth, providing education in the interrelationships found in the environment. Through different water quality activities (grades 3-8), information will be provided demonstrating the importance of conservation both locally and regionally.
FP03054: Federal Way City of: West Branch Hylebos Creek Restoration: The project will improve water quality and salmon habitat along 2500 linear feet of the West Branch of Hylebos Creek. The outcomes will be a decrease in flow energy and sediment delivery downstream, a more complex stream system, and an increase in salmon spawning and rearing.
FP03055: Tacoma-Pierce County Health Department: Anderson Island Shellfish Project: The Anderson Island Shellfish Project will improve water quality in shellfish growing areas on Anderson Island through sanitary surveys, source identification work, and community education. The project will focus on the Department of Health Threatened Areas of Amsterdam Bay and Oro Bay and will also include Thompson Cove.
FP03056: Whitman Conservation District: Water Quality Monitoring on Palouse Tributaries: This project's focus is to develop a water quality baseline for four of the Palouse tributaries: Rebel Flat Creek, Spring Flat Creek, Union Flat Creek, and Willow Creek through monitoring efforts; to complete a watershed assessment and evaluating land uses; and to provide a forum for outreach to the stakeholders, both informational and educational.
FP03057: Whitman Conservation District: Snake River Drainage Monitoring and Assistance: This project's focus is to develop a water quality baseline for five of the Snake River tributaries: Alkali Flat Creek, Almota Creek, Little Almota Creek, Palouse River (below falls), and Penawawa Creek through monitoring efforts; to complete a watershed assessment and evaluating land uses within these subwatersheds; and to provide a forum for outreach to the stakeholders, both informational and educational.
FP03058: Stevens County Conservation District: Livestock Partnership for Clean Water: Form a Northeast Livestock Partnership for Clean Water with Conservation Districts from Ferry, Lincoln, Pend Oreille, Spokane and Stevens Counties. The Partnership and livestock owners in these counties will address water quality impairments by establishing long-term goals and targets to provide a voluntary approach to solve water quality impacts.
FP03059: Lincoln County Conservation District: Lincoln County Livestock Implementation Project: This project will promote water quality, riparian revegetation and restoration, and advanced pasture management techniques by providing education to livestock producers throughout Lincoln County and initializing a cost share program. The cost share program will help fund and implement beneficial practices and structures on impacted riparian areas and adjacent lands utilized for grazing by at least 16 separate livestock producers in the county.
FP03060: Snohomish County: Snohomish River Pollutant Diagnosis/Implementation: This project identifies water quality problems (dissolved oxygen, temperature, sediment, bacteria, nutrients, and metals) and implements corrective actions along the Snohomish mainstem and large tributaries. Addressing problem areas is critical given ESA listings and rapid population growth. Actions will include BMPs for businesses and farms, riparian enhancement and support for salmon conservation planning.
FP03061: Nooksack Salmon Enhancement Association: Restore Lower Nooksack Tributaries: Water quality and riparian functions will be improved in four degraded Lower Nooksack River tributaries in Whatcom County. Livestock exclusion, riparian restoration and LWD placement will result in over 6000 linear feet of improved riparian and instream habitat, reducing solar, contaminant, and fine sediment inputs within project area.
FP03062: Milton City of: Surprise Lake Basin Restoration Plan: The cities of Milton, Edgewood, and Fife are involved in an effort to identify water quality issues that may affect Surprise Lake. This project includes the development of the Surprise Lake Basin Restoration Plan, with the primary goal to develop a basin-wide monitoring program to identify potential pollutants within the lake.
FP03063: Pasco City of: Butterfield Solids Decanting/Drying Beds - Phase 2: This project is phase 2 of the construction of solids decanting/drying beds, which will reduce or eliminate spent filter backwash waste flow and sedimentation basin waste flow from the Butterfield Water Filtration Plant that is discharged to the Columbia River. One decanting/drying bed has been constructed; application for grant money is to help complete two more decanting/drying beds that are necessary to meet the total volume of backwash and sedimentation.

**Fiscal Year 2003 Centennial Clean Water Fund, Clean Water Act Section 319 Nonpoint Source Fund,
Washington State Water Pollution Control Revolving Fund: Project Summaries**

Application number: applicant name: proposed project name: Description (from application)
FP03064: King County Wastewater Treatment Division (WTD): Southwest Interceptor - Kent Section: This project would limit flow in existing WTD sewers to their available capacity by diverting excess flow to the proposed Southwest Interceptor. The Southwest Interceptor would run alongside existing sewer lines and carry wastewater to the South Plant for treatment. The Southwest Interceptor would be constructed along West Valley Highway from the north boundary of Auburn to the South Interceptor currently under construction.
FP03065: King County Wastewater Treatment Division (WTD): Henderson/M.L. King CSO Project: The Henderson Project will construct CSO storage, treatment, pumping, and conveyance improvements to control overflows into Lake Washington. The project will consist of the following elements: Upgrade the capacity of the Henderson pumping station from eight to 19.5 mgd. (Note: this portion of project is not included in SRF loan request); Construct a 14'8" diameter, 3100 foot long tunnel from the M.L. King diversion structure to Norfolk Street located under 42nd Avenue South that will provide conveyance, storage, and primary treatment.
FP03066: King County Wastewater Treatment Division (WTD): Denny Way/Lake Union CSO Control Project/Elliott West Pipelines Contract: The Denny Way/Lake Union CSO Control Project is a joint effort of King County Wastewater Treatment Division (WTD) and the city of Seattle to control combined sewer overflows to Lake Union and Elliott Bay, including the Denny Way CSO, which is the largest CSO in the WTD system....
FP03067: King County Wastewater Treatment Division (WTD): Southwest Interceptor - Auburn Section: This project would limit flow in existing WTD sewers to their available capacity by diverting excess flow to the proposed Southwest Interceptor. The Southwest Interceptor would run alongside existing sewer lines and carry wastewater to the South Plant for treatment. The Southwest Interceptor would be constructed along the West Valley Highway from the Pacific Pump Station force main north to the Auburn boundary.
FP03068: King County Wastewater Treatment Division (WTD): King County Wastewater Security Improvements: Review and implement increased security measures at the WTD treatment plants and off-site facilities in response to the events that occurred on September 11, 2001. Provide a coordinated and comprehensive security system to guard against criminal or terrorist actions in response to the Federal Government's adopted policy of heightened level of security for the nations water and wastewater systems. This project will provide needed fencing, security cameras, lighting, door alarms, motion sensors, and establish secured ingress and egress points for the various WTD facilities.
FP03069: Thurston County: Tamoshan Wastewater Treatment Plant Replacement: The Tamoshan Wastewater Treatment Plant requires replacement to accommodate flows from the Tamoshan and Beverly Beach communities. Age and obsolescent treatment/disinfection processes at the two existing wastewater facilities threatens water quality of Budd Inlet. Project includes decommissioning Beverly Beach plant and marine discharge, and transmission pipeline to nearby Tamoshan plant.
FP03070: Thurston County: Grand Mound Sewer Facilities Construction: Grand Mound Wastewater Treatment Facility protects surface water and ground water by: Replacing Maple Lane School's open sewage lagoon; Replacing on-site systems serving commercial/industrial, multi-family and two DOT rest stops. Refinancing will assist Thurston County to provide economic long-term service to residents and businesses in the Grand Mound UGA.
FP03071: Public Utility District No. 1 of Stevens County: Loon Lake Wetlands/Watershed Protection: Continued degradation of the drainage basin discharge areas threatens the future of Loon Lake and its community's water supply. These areas are the primary source of recharge for lake and one is in close proximity to community wells. The proposed project will purchase and restore to a native state ten acres surrounding PUD's community well site.
FP03072: Bremerton-Kitsap County Health District: Yukon Harbor Watershed Restoration Project: A proven Pollution Identification and Correction program will reduce fecal coliform bacteria in Long Lake, Curley Creek, and along the Yukon Harbor shoreline to allow a commercial shellfish growing area to be reclassified Approved. Area residents will be educated on septic systems, agricultural best management practices, and water conservation techniques.
FP03073: Snohomish Health District: Drainfield Awareness Implementation Project: Recognizing that proper operation and maintenance (O&M) of on-site sewage disposal systems can reduce the quantity of nonpoint source pollution, the Snohomish Health District is proposing the Drainfield Awareness Implementation Project, as a proactive program specifically designed to educate homeowners regarding the function, operation, and maintenance of their on-site systems.
FP03074: Duvall City of: Wastewater Facilities Upgrade: The city of Duvall requires upgrading their wastewater treatment plant. Improvements to the facility will include the implementation of an advanced treatment technology, which is designed to meet existing NPDES permit limits and anticipated future wastewater reuse standards. This project improves water quality and allows for accommodation of the 20-year projected growth in the service area and to ultimately increase capacity to a peak-day flow of 3.3 mgd.
FP03075: Centralia City of: Pump Station and Conveyance Pipelines: This project is construction of the pump station and conveyance pipelines to transport wastewater from the existing wastewater treatment plant site in southwest Centralia to the new wastewater treatment plant located northwest of the City. The project is the final element needed to complete the wastewater treatment plant.

**Fiscal Year 2003 Centennial Clean Water Fund, Clean Water Act Section 319 Nonpoint Source Fund,
Washington State Water Pollution Control Revolving Fund: Project Summaries**

Application number: applicant name: proposed project name: Description (from application)
FP03076: Asotin County Conservation District: Green Manure Project: This demonstration project addresses the problem of soil erosion from conventional agricultural tillage as well as reducing the amount of inorganic nitrogen applied to cropland. Raising black peas and incorporating them into the soil at the optimum time will address both of these issues as well as improve soil quality.
FP03077: Western Washington University: Tennant Lake/Silver Creek Watershed Project: Water quality measurements, macro invertebrates, and water samples will be collected for one year from seven sites in the Tennant Lake/Silver Creek watershed, a sub-basin of the Nooksack River watershed, to identify the type(s) and source(s) of contaminants entering the area that are adversely affecting resident wildlife and aquatic species.
FP03078: Coulee City Town of: Coulee Lake Restoration and Enhancement: Coulee Lake supported a diversity of wildlife for the past century. In 1998, treated wastewater and ground water were diverted to new evaporative lagoons on the southeast side of town. The Lake has diminished in size by at least 60-80 percent since the diversion of the water. This project will restore the lake and its wetlands.
FP03079: Yakima County Public Works: West Valley Stream Assessment: Water quality monitoring in Wide Hollow basin. Project will include both "ambient" monitoring of flow, TSS, fecal coliform, temp, nutrients, conductivity, Ph, and turbidity (in cooperation with North Yakima Conservation District) with these same parameters also measured during storm events at stormwater/drainage district discharges in the basin.
FP03080: Yakima County Public Works: Yakima Urban Areas Stormwater Management Plan and Design Manual: The project updates the Regional Stormwater Management Plan, Design Manual, and defines a regional, watershed-based stormwater management program. The plan and manual will be used to comply with State/Federal laws governing stormwater management. The participants in the update include Yakima County, and cities of Yakima and Union Gap. These parties are required to seek permit coverage in March of 2003 for operation and maintenance of their stormwater facilities.
FP03081: Kettle Falls City of: Kettle Falls Wastewater Facility Plan: Develop wastewater facility plan to identify and prioritize cost-effective alternatives for increasing capacity and mitigating ground water contamination. Plan is required January, 2005, by state waste discharge permit for the city of Kettle Falls system which discharges wastewater to evaporation/infiltration lagoons and applies wastewater to land via spray irrigation.
FP03082: Cascade Irrigation District: Mechanized Canal Vegetation Management Program: Pilot project to develop a mechanized vegetation management program to be used in small to mid-size irrigation canals. Primary goal of project is to reduce the use of aquatic herbicides in irrigation canals. Fabrication and development of cutters, powered screens, operational guides, water quality testing and improvement.
FP03083: Consolidated Diking Improvement District No. 1: Regional Detention Pilot Project in Longview, WA: This is a feasibility study that will evaluate the potential for regional treatment in the Longview area though: Determining the best design modifications for a proposed 55-acre stormwater detention pond to provide stormwater treatment for regional benefits. Construct phase one of the proposed regional detention pond as a pilot facility, including treatment modifications. Monitor the treatment results, analyze the facility's removal performance, and assess the feasibility of regional treatment.
FP03084: Asotin County Conservation District: Asotin County Riparian Buffer Project: This project will adhere to the Conservation Reserve Enhancement Program and Continuous Conservation Reserve Program guidelines to implement riparian buffers and best management practices in Asotin County. It will assist in funding a full-time position to coordinate implementation of riparian planting, fencing, and BMP's through cost-share programs.
FP03085: Kittitas County Conservation District: Teanaway Basin Restoration Project: This project implements activities to reduce water temperature and sediment in the Teanaway River basin: Restore riparian vegetation; Conduct baseline monitoring for temperature, sediment, and macro-invertebrates; identify sediment sources; conduct cross-sectional temperature study; complete GIS mapping of the basin; install anchored large woody debris.
FP03086: Lake Stevens City of: Erosion Control Kiosk: Kiosk will include an information/storage shed containing erosion control supplies to distribute to the public, as well as informational displays. Displays will educate people about reasons for erosion control measures, current city policy on erosion control, and offer examples of typical erosion control devices and how they are properly used.
FP03087: Hop Growers of Washington, Inc.: Plastic Irrigation Tubing Recycling Program: Irrigated agriculture has converted substantial acreage from furrow to drip irrigation systems. A major component of these systems is high density polyethylene tubing that must be periodically replaced. Significant inventories of used tubing are accumulating. An alternative to landfill disposal and burning is needed. This project will seek to develop a recycling program.

**Fiscal Year 2003 Centennial Clean Water Fund, Clean Water Act Section 319 Nonpoint Source Fund,
Washington State Water Pollution Control Revolving Fund: Project Summaries**

Application number: applicant name: proposed project name: Description (from application)
FP03088: Kelso City of: Illicit Discharge Detection Program: This project creates a testing program of the municipal storm sewer system for illicit discharges, develops the procedures for finding the source and facilitates the removal of the illicit connection. This project will include purchasing required test equipment, developing a plan for testing points, and conducting the first round of testing.
FP03089: Benton City City of: Wastewater Treatment Plant Construction: The existing Benton City wastewater treatment facilities do not adequately protect water quality in the Yakima River. The City has planned for and designed improvements that will address existing and future water quality concerns. The construction project will upgrade to existing lagoon system to secondary treatment with UV disinfection.
FP03090: Valley Institute for Research and Education: Lower Yakima Valley Ground Water Study: The proposed project is a continuation of Valley Institute for Research and Education's current ground water study of private wells in the lower Yakima Valley to further define the extent of ground water contamination, obtain trend data and attempt to determine sources of pollution.
FP03091: Nooksack Salmon Enhancement Association: South Fork Nooksack Tributaries Restoration: Water quality and riparian functions will be improved in South Fork Nooksack tributaries currently degraded by agricultural land use. Livestock exclusion, riparian restoration and LWD placement will result in over 6000 linear feet of improved riparian and instream habitat, reducing solar, contaminant, and fine sediment inputs within project area.
FP03092: Whitman Conservation District: Canola Farm-to-Market Demonstration: The benefits of a rotational crop are immense. Yet, with the markets for these alternative crops being low, it makes the use of them difficult due to the financial loss. This is a demonstrational grant that will evaluate the value added components of Canola. The final report will contain information on the following components: varieties, soil fertility and nutritional values; soil disturbance on three farms with standard and restaurant varieties; nutrient management; yield data and pest management; weed management; and economics on farm-scale equipment.
FP03093: Skagit County Public Works: Phase 2 - Watershed Scale Baseline Monitoring: This project will build upon an existing watershed scale water quality monitoring program to establish baseline conditions for streams throughout the region. Results will be used to determine the status of water quality and to prioritize future water quality related projects and policy decisions.
FP03094: Spokane City of: Northwest Terrace Force Main Replacement: The Northwest Terrace Lift Station Force Main Replacement will replace approximately 8,000 feet of 12" PVC force main with ductile iron pipe, from the Northwest Terrace Lift Station to an 18" gravity line near the wastewater treatment plant.
FP03095: Spokane City of: Water Quality Education Program: Related to combined sewer overflow and stormwater management education, implement two tools listed in the Spokane Water Quality Communications Plan partnering with a local public school: Tool 14 - Education Curriculum and Tool 15 - Community Involvement Projects.
FP03096: Spokane City of: System-Wide Interceptor Inspection Program: The City's interceptor and trunk sewer lines cannot be inspected with standard television equipment. Many of these lines are over 40 years old and have never been inspected. This project will inspect the City's interceptor and trunk lines using special equipment to identify pipe segments that need cleaning or repair.
FP03097: Spokane City of: Central Business District Line Rehabilitation: The wastewater facility plan identified the 620-acre central business area (CBD) as one of five areas in the City where cost effective inflow and infiltration (I/I) is possible. Most pipes in the CBD are over 75 years old; many lines are clay pipe with joints every three feet.
FP03098: Western Washington University: Measuring P2 Education Results: This project will measure the effectiveness of P2 education projects in Whatcom County. Novel and conventional environmental monitoring techniques will be combined in a toolkit approach for pollution source identification. Social evaluation will use community based social marketing techniques. Pilot projects will introduce biodiesel and a mobile business Pledge program.
FP03099: Bremerton City of: Anderson Cove Inflow/Infiltration Study: The project measures the wet-weather hydraulic performance of the Anderson Cove sewer system by establishing the rainfall to inflow and infiltration (I/I) relationship. Analyses will calculate rain-dependent I/I and will isolate areas that are high contributors of I/I for capital improvement consideration. Reduction of I/I reduces the potential for CSOs to occur.
FP03100: Bremerton City of: Pacific Avenue CSO Reduction - Separation: This project separates the catch basins and detention systems connected to the combined sewer in the Pacific Avenue Basin to capture flows that would otherwise overflow. The separation will reduce CSO events as required by State regulations, court orders, and for the improvement of Puget Sound water quality.
FP03101: Bremerton City of: Pacific Avenue CSO Reduction - Storage: This project constructs a 550,000-gallon storage reservoir for the Pacific Avenue Basin to capture CSO flows in Bremerton that would otherwise overflow. The CSO storage facility will reduce CSO events as required by State regulations, court orders, and for the improvement of Puget Sound water quality.

**Fiscal Year 2003 Centennial Clean Water Fund, Clean Water Act Section 319 Nonpoint Source Fund,
Washington State Water Pollution Control Revolving Fund: Project Summaries**

Application number: applicant name: proposed project name: Description (from application)
FP03102: Bothell City of: North Creek TMDL Action Plan: The Department of Ecology initiated a TMDL for fecal coliform bacteria for the North Creek Watershed (publication No. 01-03-020). Grant funding is being requested to implement a bacteria reduction program for North Creek and five major tributaries. The program elements include, monitoring, outreach education, source point identification and elimination.
FP03103: Ferry Conservation District: Watershed Improvement Project: Watershed improvement project is intended to alleviate previously identified water quality problems in the Kettle and San Poil WRIA's in regards to, pH, and fecal coliform by monitoring for both, identifying the sources, create facilitation mechanism (landowners, public, and public agency involvement), implementing projects, and doing effectiveness monitoring.
FP03104: Ferry Conservation District: Headwaters of the San Poil: Headwaters of the San Poil project is intended to alleviate previously identified water quality problems in the San Poil Sub-basin in regards to high temperatures, pH, and low dissolved oxygen levels by reducing the amount of fine sediment being delivered downstream from O'Brien Creek and other high gradient tributaries.
FP03105: Colville Confederated Tribes: Omak Creek Monitoring Station Installations: One climate and 13 streamflow monitoring stations will be installed, and rating curves will be developed. The Colville Confederated Tribes will use the monitoring data to develop an Omak Creek watershed management plan. The plan will identify actions to maintain streamflow and temperature to sustain salmonid habitat an ecosystem functions.
FP03106: Lummi Nation Service Organization: Acme - Saxon Reach 2 Instream: Project is to limit fine sediment delivery and transport in the South Fork Nooksack by constructing four historic scale logjams in the river. The logjams will be placed in Reach 2 of the 5-mile project area assessed in the Acme-Saxon Comprehensive Reach Scale Assessment and Project Prescription.
FP03107: Lummi Nation Service Organization: Marietta Slough Riparian Project: This proposal is to establish a 180-foot riparian buffer stand along 6,800 feet of the Nooksack River left bank immediately downstream of the Slater Road bridge. This will be part of a comprehensive watershed restoration project for the entire area between Slater Road and Marine Drive stretching from the river to Silver Creek.....
FP03108: Lummi Nation Service Organization: Middle Fork Road Sediment Reduction: Project will remediate sediment delivery into the Middle Fork Nooksack from forest roads and associated slope failures. 2.5 miles of road will be formally abandoned and 12 miles will be storm proofed. Among the storm proofing activities will be culvert replacement, keyed rock fills and gravel surfacing of dirt roads.
FP03109: Stillaguamish Tribe of Indians: Jorgenson Slough Restoration: This project will focus on the Jorgenson Slough reach of Church Creek within the Stillaguamish watershed; a waterbody that has 303(d) violations for fecal coliform, and lead (along with a potential temperature listing). This project will seek to remedy these violations through riparian restoration and the replacement of an undersized tidegate.
FP03110: Stillaguamish Tribe of Indians: Portage Creek Subbasin Restoration: This project will focus on Portage Creek within the Stillaguamish watershed. This sub basin has past 303(d) violations for fecal coliform, dissolved oxygen, and turbidity. This project will seek to remedy these violations through riparian restoration, locating failing septic systems, and fencing livestock.
FP03111: Thurston County: Henderson Shellfish Response & TMDL Project: This project proposes actions outlined in the Henderson Inlet Closure Response Strategy. Tasks include 1) assisting the TMDL study; 2) risk-based O&M inspection program; 3) investigations of priority stormwater outfalls and special study of neighborhood with possible failing septic systems; 4) mapping stormwater facilities; and 5) pet waste reduction project.
FP03112: Thurston Conservation District: Thurston County Poultry Manure Grant: This project will reduce and prevent the over applications of chicken manure produced by large commercial poultry operations. By working with users of poultry manure, which in most cases are not the generators of poultry manure, to determine best application rates through soil, water, manure and forage sampling. This project would also work with generators of poultry manure to update out dated conservation plans, and develop feed rations that could reduce the levels of phosphorus and nitrates in the manure they generate.
FP03113: Thurston Conservation District: Thurston Nutrient Reduction & Riparian Assessment: Provide technical assistance and loan program of spreaders for implementation of Nutrient Management BMP to the agricultural community in Thurston County. Perform monitoring to measure BMP effectiveness. Market and evaluate the project. Riparian habitat assessment in selected areas for the purposes of immediate and future improvement.
FP03114: Kennewick City of: Kennewick Comprehensive Stormwater Plan: Provide a comprehensive stormwater plan for Kennewick and adjoining growth areas that will be a model for the Eastern Washington Stormwater Program. The plan will play a crucial role in assessing treatment and mitigation of existing stormwater discharges through various drainage basins leading to the Columbia or Yakima Rivers.

**Fiscal Year 2003 Centennial Clean Water Fund, Clean Water Act Section 319 Nonpoint Source Fund,
Washington State Water Pollution Control Revolving Fund: Project Summaries**

Application number: applicant name: proposed project name: Description (from application)
FP03115: Stanwood City of: Wastewater Treatment Plant Upgrade & Expansion: The proposed project consists of construction of a new 1.5 million gallon per day activated sludge wastewater treatment facility, including solids stabilization in two existing 1.25 acre aerated lagoons and reuse of the existing 35 acre lagoon for stormwater detention and emergency storage and treatment of wastewater.
FP03116: Mason Conservation District: The Lower Union River Restoration Study: The study will identify the sources of fecal coliform pollution and contaminants toxic to salmon and shellfish in the 303(d) listed lower Union River and its estuary. Remediation measures will be proposed and implemented for pollution sources. Stormwater runoff control and treatment for the Belfair Urban Growth Area will be planned.
FP03117: Yelm City of: Reclaimed Water Distribution/Storage Facilities: The city of Yelm needs financial assistance to design and construct a reclaimed water distribution line and storage tank. The need for both facilities has been identified in the City's DOE-approved facilities plan. The projects will increase beneficial use of reclaimed water upland and reduce use of potable water.
FP03118: Yelm City of: Yelm Sewer Project Loan Refinance: Yelm requests a \$1,668,745 SRF loan to refinance the balance remaining of our 1994 Revenue Bond with U.S. Rural Development, saving \$1,228,450 over the life of the loan. Completed in 1993, the project consisted of a septic tank effluent pump collection system and an aerated lagoon treatment facility.
FP03119: Clallam County Public Works: Comprehensive Sewer Plan for Sekiu and Clallam Bay WWTP: This sewer plan document is proposed to reduce the point source pollution loading of the wastewater treatment plants caused by excess I/I. The plant's age and treatment ability threatens the Straits of Juan De Fuca, and ESU for Chinook, Chum, and Coho Salmon as well as Steelhead and Cutthroat Trout.
FP03120: Upper Grant Conservation District: Water on Wheels for GWMA: The Columbia Basin GWMA plan was certified in December 2001. The public information/education program funded the first year of the "Water on Wheels" project using EPA funds. To continue the project and achieve the plan goals, the Upper Grant CD is requesting funding from Ecology for the next two years.
FP03121: Moses Lake Irrigation and Rehabilitation District: Sources of Phosphorus Entering Moses Lake: Agricultural and urban sources are considered to be most significant source of phosphorus loading into Moses Lake from the Crab Creek and Rocky Ford Creek drainages. To date high phosphorus content in the ground water is assumed to be due to agriculture. This study will focus on establishing P contribution from urban and agriculture sources and native soils and mineral deposits within the lower Crab Creek and Rocky Ford drainages and other areas around Moses Lake.

**DIRECT IMPLEMENTATION FUND
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Direct Implementation Fund (DIF)

This year, Ecology reserved \$400,000 in FY 2003 Section 319 funds for interagency agreements between Ecology and other State of Washington agencies that proposed high priority projects to implement *Washington's Water Quality Management Plan to Control Nonpoint Source Pollution, April 2000*.

This reserve is referred to as the Direct Implementation Fund or "DIF." The DIF was created to help ensure that specific elements of the plan were completed by State agencies that had nonpoint source control responsibilities called for in the plan, but were beyond their agency mandate. Only agencies with specific implementation responsibilities outlined in Chapter 9 of the plan could apply for a maximum of \$50,000 per project for targeted implementation and capacity building efforts. The deadline for submitting project proposals was February 20, 2002.

To facilitate the selection of projects proposed, the Nonpoint Source Workgroup was used. This workgroup is a committee comprised of representatives of the 12 State of Washington agencies with specific responsibilities called for in the plan. Representatives are selected by agency directors, and the purpose of the workgroup is to coordinate nonpoint source control efforts and to refine respective agency workplans to implement the Statewide Nonpoint Management Plan. State of Washington agencies represented on the workgroup are:

1. Department of Agriculture
2. Conservation Commission
3. Office of Community Development
4. Cooperative Extension
5. Department of Ecology
6. Department of Fish and Wildlife
7. Department of Health
8. Interagency Committee for Outdoor Recreation
9. Department of Natural Resources
10. Parks and Recreation Commission
11. Puget Sound Action Team
12. Department of Transportation

Members of the Nonpoint Source Workgroup, numerically rated all 16 project proposals submitted according to the following criteria:

- Water quality benefit
- Readiness to proceed
- Cost efficiency and effectiveness
- Innovative nature of the project
- Leveraging of project costs

Projects were ranked based on the total scores received, the workgroup met to confirm the project ranking, and it selected the 12 highest priority projects to be proposed for funding.

A ranked ordered list and project summaries of all project proposals submitted follows.

Direct Implementation Fund Ranked Ordered List

State Agency	Rank	Project Name	Amount Requested	Amount Proposed
Puget Sound Water Quality Action Team	1	Promote Low Impact Development in Puget Sound	\$49,450	\$49,450
Department of Ecology	2	Wetlands Best Available Science Documents	\$50,000	\$50,000
Parks	3	Salmon Interpretive Learning Center	\$20,000	\$20,000
Puget Sound Water Quality Action Team	4	Puget Sound Regional On-site Sewage System Data Development	\$7,500	\$7,500
Department of Transportation	5	Aquatic Habitat Guidelines – Stream Habitat Restoration Guidelines Completion	\$50,000	\$50,000
Puget Sound Water Quality Action Team	6	Local Government Funding to Protect and Restore Shellfish Harvest	\$4,056	\$4,056
Department of Fish and Wildlife	7	Aquatic Habitat Guidelines – Training for use of Existing Guidelines	\$50,000	\$50,000
Department of Ecology	8	Compliance Tracking and Enforcement for Wetland Mitigation Projects	\$30,000	\$30,000
WSU	9	Precision Irrigation Development and Demonstration Project	\$49,904	\$49,904
OCD	10	Model Clearing and Grading Ordinance	\$25,000	\$25,000
WSU	11	Developing Watershed Leadership for the Methow/Okanogan Region	\$50,000	\$50,000
GCEE	12	Washington Monitoring Month in Klickitat and Columbia Counties	\$14,090	\$14,090
Department of Ecology	13	Improved Guidance for Wetland Mitigation Plans	\$40,000	
Department of Ecology	14	Wetlands Best Available Science Training for locals	\$50,000	
CC	15	Horse Population Survey	\$50,000	
Department of Fish and Wildlife	16	Chambers Creek Constructed Wetland	\$23,000	

Section 319 DIF Funds Proposed: \$400,000

**DIRECT IMPLEMENTATION FUND
SUMMARY OF PROJECTS**

FY 2003

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Direct Implementation Fund Ranked Ordered Project List, Project Summaries

Application number: applicant name: proposed project name: Description
1. Puget Sound Water Quality Action Team (PSWQAT): Promote low-impact development practices in Puget Sound: This research project will conduct an engineering/hydrogeologic analysis of low-impact development practices.
2. Department of Ecology: Wetland Best Available Science Documents: This project will form the foundation for many wetland protection efforts in the coming years. The project will summarize the current scientific information on a wide variety of wetland topics and present it in formats that can be used by a variety of agencies to protect wetlands.
3. State Parks and Recreation Commission: Salmon Interpretive Learning Center: This project will renovate an existing facility (the Flaming Geyser barn) to establish a salmon interpretive learning center.
4. Puget Sound Water Quality Action Team (PSWQAT): Puget Sound Regional On-site Sewage System Data Development: This project will assess the existing capability of Puget Sound local health jurisdictions to produce and manage data created during the conduct of their on-site sewage system regulatory responsibilities, communicate the findings to responsible staff in each agency, provide opportunities for sharing of successful data management techniques, and identify the next steps necessary to obtain regionally consistent data.
5. Department of Transportation (WSDOT): Aquatic Habitat Guidelines - Stream Habitat Restoration Guidelines Completion: This project will facilitate the Aquatic Habitat Guidelines (AHG) program is in the early stages of developing a major new guideline volume – the Stream Habitat Restoration Guidelines (SHRG).
6. Puget Sound Water Quality Action Team (PSWQAT): Local Government Funding to Protect and Restore Shellfish Harvest: Puget Sound Water Quality Action Team staff will research and develop educational materials regarding funding opportunities for these efforts. Funding options will be organized in a way that will assist local governments securing funds for each of the phases of shellfish closure response planning and implementation.
7. Department of Fish & Wildlife (WDFW): Aquatic Habitat Guidelines – Training for use of Existing Guidelines: Develop a training program for the completed guidelines that includes workshop training modules as well as web and CD based self-training modules.
8. Department of Ecology (DOE): Compliance Tracking & Enforcement Program for Wetland Mitigation Projects: Funds would be used to hire a temporary position to work with existing Ecology staff to design and begin implementation of a compliance tracking and reporting system. Ecology staff will coordinate with Corps of Engineers staff on the development of a compliance tracking system to ensure consistency with the Corps' system to the extent possible.
9. Washington State University Irrigated Agriculture Research & Extension Center and Center for Precision Agricultural Systems (WSU-IAREC): Precision Irrigation Development and Demonstration Project: This project designs, develops, implements, and demonstrates precision soil moisture monitoring and irrigation technology at Washington State University's Irrigated Agriculture Research and Extension Center at Prosser. Funds requested are for purchase and installation of soil moisture sensors and design and testing of precision irrigation real-time control and data uplink technology.
10. Office of Community Development: Model Clearing and Grading Ordinance: Develop a model clearing and grading ordinance that addresses appropriate pre-construction and post-construction site development BMPs and vegetation removal and restoration requirements. The model ordinance will identify BMPs for both eastern and western Washington climates.
11. Washington State University (WSU): Developing Watershed Leadership for the Methow/Okanogan Region: WSU Cooperative Extension will develop and implement a watershed training and involvement programs in the Methow and Okanogan regions. The program will provide 2 comprehensive 12 session long watershed training programs for core groups of individuals, representative of the community, focusing on the priority water resource issues in their region. .
12. Governors Council on Environmental Education (GCEE): Washington Monitoring Month in Klickitat and Columbia Counties: This project will provide two workshops for 50 adults on biological stream monitoring, and stream health, based on Ecology protocols, in late summer and autumn 2002, with one each in Klickitat and Columbia counties.
13. Department of Ecology (DOE): Improved Guidance for Wetland Mitigation Plans: This project would revise the outdated 1994 "Guidelines for Developing Freshwater Wetlands Mitigation Plans and Proposals."
14. Department of Ecology (DOE): Wetlands Best Available Science Training for Locals: A local government training program will be developed and implemented to improve the ability of cities and counties to protect wetlands and the critical functions they provide to watersheds such as water quality filtration of non-point source pollution.

Direct Implementation Fund Ranked Ordered Project List, Project Summaries

15. Washington State Conservation Commission: Horse Population Survey: The contribution to non-point pollution statewide from horses is unknown due to the lack of a county-by-county population census. This project will develop a uniform protocol that will then be used to determine the number of horse units in each county. This will be similar to the data reported for cattle, hogs, poultry and other animal units.

16. Department of Fish & Wildlife (WDFW): Chambers Creek Constructed Wetland: Reconstruct/reconfigure existing pollution abatement pond at the Chambers Creek Hatchery. Utilize concentrated nutrients in hatchery vacuumed wastewater to drive plant production to remove nutrients from Chambers Creek water diverted into pond.