WASHINGTON STATE DEPARTMENT OF ECOLOGY

WATER QUALITY FINANCIAL ASSISTANCE PROGRAMS FOR FISCAL YEAR 2005

CENTENNIAL CLEAN WATER FUND PROGRAM

CLEAN WATER ACT SECTION 319 NONPOINT SOURCE FUND PROGRAM

WASHINGTON STATE WATER POLLUTION CONTROL REVOLVING FUND PROGRAM

FINAL OFFER AND APPLICANT LIST FY 2005

July 22, 2004
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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 22, 2004

Re: Centennial Clean Water Fund/Federal Clean Water Act Section 319 Nonpoint Source Fund/Washington State Water Pollution Control Revolving Fund
FY 2005 Funding Cycle
Final Offer and Applicant List

To Interested Persons:

I am pleased to provide you with the enclosed state fiscal year 2005 (FY 2005) Final 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 Final Intended Use Plan (IUP), which is available separately, also includes the projects for which SRF funding is offered. All projects offered 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 a total of 98 requests for funding consideration during the FY 2005 application cycle. These projects reflect approximately $125 million of funding needs. Based on an evaluation of these applications and directives from the Washington State Legislature, Ecology proposes to fund 40 activity and facility projects totaling approximately $108.4 million.

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 offered on the FY 2005 Final Offer List, Ecology reserved $400,000 in FY 2005 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 nine projects were selected to receive funding. Projects considered and selected are shown in a separate section of the Final Offer List.

A Draft Offer and Applicant List reflecting projects proposed for funding was released on May 20, 2004, and a public meeting was held on June 9, 2004, in Tacoma, Washington, to present an overview of the three funding programs and the process used to select projects for funding. A 30-day public review and comment period for the Draft Offer and Applicant List and

the Draft Intended Use Plan began on May 20, 2004, and ended on June 21, 2004. Written comments were received and a responsiveness summary was prepared for inclusion in the Final Offer and Applicant List and the SRF Final Intended Use Plan.

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

Thank you for your interest in projects designed to improve the quality of our state's waters.

Sincerely,

David C. Peeler, Manager
Water Quality Program

DCP:TKR:km

Enclosure

RESPONSIVENESS SUMMARY
For Final Offer List

FY 2005

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Responsiveness Summary Introduction

The Department of Ecology conducted a 30-day public review and comment period following the publication of the *Fiscal Year 2005 Draft Offer and Applicant List* (Ecology Publication Number 04-10-036), which began on May 20, 2004, and ended on June 21, 2004. During the comment period, Ecology staff held an informational public meeting in Tacoma on June 9, 2004. Ecology received three comment letters on the *Fiscal Year 2005 Draft Offer and Applicant List*. Staff carefully reviewed and addressed all comments. Ecology staff also discovered one minor error on the draft list as well as adjustments to the final grant and loan amounts based on a reconciliation of funds available at the time the list was finalized. All issues identified by Ecology staff and applicants are addressed in this section, with each comment summarized first and the response following. Any resulting changes to the list are identified in the response as well as on the *Fiscal Year 2005 Final Offer and Applicant List.*

Evaluation Process

The FY 2005 Project Priority System and Evaluation Process was developed to provide a tool to rank all projects submitted on a statewide basis. This ranking included both facilities and activities project proposals. The system placed all project proposals on an initially equal footing based on water quality and public health criteria. Two Ecology staff in the Water Quality Program conducted a complete review of each application:

- An Ecology Regional Office evaluator (from the same geographic area as the applicant), and
- An Ecology Regional Office evaluator (from outside the geographic area of the applicant - random distribution).

Evaluations of project proposals were based primarily on information provided in the proposal. Regional office evaluators that were evaluating projects in their respective region may have had some level of direct knowledge regarding the water quality problem(s) to be addressed and may be further aware of projects proposed in their region. The regional office staff evaluating projects from other areas (outside their regional area) were encouraged to communicate with the other evaluator, as time permitted, but often needed to rely primarily on information provided in the proposal and their expertise in the subject area. Ecology staff explained the approach to the evaluation and priority setting process at the public meeting held during the public review and comment period on the *Fiscal Year 2005 Draft Offer and Applicant Lis*t.

Local Priority Setting Process

The Local Priority Setting Process used in developing the list allows ad hoc groups with required signatories to be able to assign local priorities within each Water Resource Inventory Area (WRIA). Local watershed planning groups organized under the Watershed Planning Act were also able to act as the local priority setting group for the WRIA. The local priority points provided were added to the average score provided by Ecology evaluators based on the local priorities received. More details about the Local Priority Setting Process may be found in the *Fiscal Year 2005 Funding Guidelines Volume One: Guidelines (Appendix B*).

Responses to Comments

Department of Ecology Initiated Comments:

1. Chelan County Conservation District, FP05018/WRIA 45 TMDL/Early Implementation

Comment: The *Fiscal Year 2005 Draft Offer and Applicant List* showed Total Points as 763.5 when in fact the Total Points should have been shown as 863.5. The added 100 points were the Local Priority Setting Process points assigned to this project.

Response: The *Fiscal Year 2005 Final Offer and Applicant List* shows the change to 863.5 for Total Points, which caused no change to the project's overall rank of 3 of 91.

2. Reduction of Funds Proposed on the *Fiscal Year 2005 Draft Offer and Applicant*

Comment: The *Fiscal Year 2005 Draft Offer and Applicant List* showed that Ecology expected to be able to offer applicants $11,664,490 in grants under the Centennial Clean Water Fund (Centennial) Program. Those amounts included funds that Ecology expected would become available through deobligation of existing grant funds awarded or good faith commitments from the *Fiscal Year 2004 Final Offer and Applicant Lis*t prior to issuance of the *Fiscal Year 2005 Final Offer and Applicant Lis*t. Deobligation of funds occurs through the low, responsive, responsible construction bids, decline of grant and loan offers, etc. Unfortunately, those anticipated funds were not deobligated. Therefore, the Centennial grant amount shown on the *Fiscal Year 2005 Draft Offer and Applicant List* is reduced by $614,490.

Response: The result of less grant and revised distribution of loan funding on the *Fiscal Year 2005 Final Offer and Applicant Lis*t is that some applicants that were proposed for full or partial funding on the *Fiscal Year 2005 Draft Offer and Applicant Lis*t will have a revised or no offer of funding. The following table shows those revisions in priority order:

Application Number	Rank	Applicant Name	Grant Funds Proposed	Grant Funds Offered	SRF Funds Proposed	SRF Funds Offered
FP05029	5	Chehalis, City of	$3,376,327	$2,966,667	$32,905,989	$33,315,649
FP05049	29	Okanogan Conservation District	$336,175	$263,127	$0	$0
FP05002	30	Adams Conservation District	$131,782	$0	$0	$0
FP05024	45	Asotin, City of	$0	$0	$457,213	$47,553

If grant or loan funds become available prior to the end of fiscal year 2005, ending on June 30, 2005, Ecology will offer those funds in project priority order to applicants who were only offered partial funding for their project, followed by those who were not offered funding for their project.

Comments from External Parties

1. Puyallup River Watershed Council, Mr. Dave Seabrook, Chair, Water Resources Committee, FP05090/South Prairie Creek Recovery Monitoring

Comment: Mr. Seabrook wrote to Ecology to express appreciation for proposed funding for the South Prairie Creek Recovery Monitoring project.

Response: Ecology is pleased to provide the Pierce Conservation District a Centennial Clean Water Fund grant for this important water quality project.

2. City of Westport, Mr. Randy Lewis, City Administrator, FP05030/City of Westport WWTP Refinance Project

Comment: Mr. Lewis wrote to Ecology requesting clarification of why the application was determined to be ineligible to receive a Washington State Water Pollution Control Revolving Fund (SRF) refinance loan.

Response: As was stated in Ecology's April 19, 2004, letter to Mr. Lewis, the Washington State Water Pollution Control Revolving Fund program has many state and federal requirements. The requirement that the City's proposal did not satisfy in order to be eligible for an SRF refinance loan is that the project must have had an Ecology approved wastewater facilities plan at the time the proposal was completed. According to our records, the City prepared and Ecology approved a general sewer plan, which does not satisfy facility plan requirements under the SRF program.

Although the City satisfied the U.S. Department of Agriculture Rural Development requirements to receive funding, those requirements did not require the preparation of a facilities plan to be eligible for funding.

3. City of Asotin, The Honorable Steve Cowdrey, Mayor, FP05028/Wastewater Treatment Plant Improvements

Comment: Mayor Cowdrey wrote to Ecology expressing disappointment that the City was only proposed to receive part of the funds for which they had applied. Mayor Cowdrey also requested that the amount shown on the *Fiscal Year 2005 Final Offer and Applicant* be increased to $900,000.

Response: Total funds available under the Centennial Clean Water Fund program shown on the *Fiscal Year 2005 Draft Offer and Applicant List* included money that Ecology expected to be deobligated prior to issuance of the *Fiscal Year 2005 Final Offer and Applicant List*. Unfortunately, those funds were not deobligated and as a result:

1. The city of Chehalis proposed grant offer was reduced and the proposed loan offer was increased to fully fund the project as requested by the City,
2. The Okanogan Conservation District proposed grant offer was reduced,
3. No grant funds were available for the Adams Conservation District, and
4. The city of Asotin proposed loan offer was reduced due to the increase in the loan amount offered to the city of Chehalis.

If loan funds become available prior to the end of fiscal year 2005, which ends on June 30, 2005, Ecology will offer those funds in project priority order to applicants who were only offered partial funding for their project, followed by those who were not offered funding for their project.

FINAL OFFER LIST

FY 2005

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Fiscal Year 2005 Centennial Clean Water Fund (Centennial), Clean Water Act Section 319 Nonpoint Source Fund (Section 319), and Washington State Water Pollution Control Revolving Fund (SRF) Final Offer and Applicant List

Application Number	Applicant Name	Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Funding Offered: CCWF	Section 319 Funds	SRF	Loan Terms (years)	Loan Interest Rate	Foot-notes
FP05EPG01	**Spokane County/City**	Spokane Rathdrum Prairie Aquifer					$5,000,000					1
FP05SP01	**Hood Canal Salmon Enhancement Group**	Salmon Enhancement Project					$150,000					2
FP05001	**Tacoma City of**	Tacoma Central Treatment Plant Upgrade				$20,130,000			$20,130,000	20	1.5	3
FP04059	**Colville City of**	Colville Wastewater Treatment Phase 2/3					$4,400,000					4
FP05022	**Kittitas Reclamation District**	Kittitas TMDL Implementation & Compliance Monitoring	1	100	931	$224,036		$224,036				
FP05076	**Whatcom Conservation District**	Ten Mile Watershed Restoration - Phase III	2	60	892	$250,000	$250,000					
FP05018	**Chelan County Conservation District**	WRIA 45 TMDL/ Early Implementation	3	100	863.5	$250,000	$250,000					
FP05046	**Nooksack Salmon Enhancement Association**	Tenmile Creek Watershed Restoration Project	4	30	827.5	$180,000		$180,000				
FP05029	**Chehalis City of**	Chehalis Regional Water Reclamation Facility (CRWRF)	5	100	827.5	$36,282,316	$2,966,667		$33,315,649	20	0	5, 6
FP05040	**Seattle Public Utilities**	Venema Creek Natural Drainage System	6	90	825.5	$2,293,696			$2,293,696	20	1.5	
FP05010	**King Conservation District**	Snoqualmie Watershed Ag Assistance Team (SWAAT)	7	100	820.5	$249,000		$249,000				
FP05044	**Stevens County Conservation District (SCCD)**	Colville River TMDL Implementation	8	100	817.5	$250,000	$250,000					

Fiscal Year 2005 Centennial Clean Water Fund (Centennial), Clean Water Act Section 319 Nonpoint Source Fund (Section 319), and Washington State Water Pollution Control Revolving Fund (SRF) Final Offer and Applicant List

Application Number	Applicant Name	Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Funding Offered: CCWF	Section 319 Funds	SRF	Loan Terms (years)	Loan Interest Rate	Foot-notes
FP05090	**Pierce Conservation District**	South Prairie Creek Recovery Monitoring	9	100	810.5	$86,739	$86,739					
FP05079	**Skagit Conservation District**	Samish Clean Water Implementation	10	90	800	$249,375	$249,375					
FP05065	**San Juan County Conservation District**	Low Impact Development Plus	11	100	798.5	$161,789	$161,789					
FP05062	**Pomeroy Conservation District**	Garfield County Riparian Restoration Project	12	90	793.5	$236,250		$236,250				7
FP05092	**Skagit Fisheries Enhancement Group**	Nookachamps Basin Riparian Restoration	13	60	792.5	$246,317		$246,317				
FP05043	**Stevens County Conservation District (SCCD)**	Thomason Creek Adoption Program	14	90	788.5	$80,000		$80,000				7
FP05084	**Chehalis River Council**	Chehalis Basin Education Consortium Project	15	70	787	$236,812		$236,812				
FP05009	**Thurston County Environmental Health Division**	On-Site Financial Assistance Program	16	80	783.5	$200,000			$200,000	20	1.5	
FP05086	**Chehalis Basin Conservation District Alliance**	Upper Chehalis TMDL BMP Implementation	17	80	775.5	$248,885	$248,885					7
FP05083	**LOTT Wastewater Alliance**	Hawks Prairie Reclaimed Water Satellite	18	100	775	$29,224,000			$29,224,000	20	1.5	
FP05078	**Skagit Conservation District**	Nookachamps TMDL Implementation	19	80	771	$249,375	$249,375					
FP05058	**Whatcom County**	Watershed-Friendly Gardening Education	20	50	771	$130,053		$130,053				
FP05033	**Kitsap County Health District**	Dyes Inlet Restoration/ Protection Project	21	90	760	$394,444	$394,444					8

Fiscal Year 2005 Centennial Clean Water Fund (Centennial), Clean Water Act Section 319 Nonpoint Source Fund (Section 319), and Washington State Water Pollution Control Revolving Fund (SRF) Final Offer and Applicant List

Application Number	Applicant Name	Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Funding Offered: CCWF	Section 319 Funds	SRF	Loan Terms (years)	Loan Interest Rate	Foot-notes
FP05080	**Clark Conservation District**	Small Farms for Clean Water	22	100	755.5	$197,700		$197,700				
FP05032	**Bellingham City of**	Bellingham Salmon Habitat Restoration and TMDL	23	40	753	$500,000	$500,000					8
FP05072	**Skagit County Health Department**	Skagit Septic System Improvement Project	24	100	747.5	$152,976	$152,976					
FP05081	**Clark Conservation District**	Salmon Creek Mile 10.5 Restoration	25	90	740	$247,500	$247,500					
FP05034	**Stillaguamish Tribe**	Steelhead Haven Landslide Remediation Project	26	80	727	$497,000	$180,483	$316,517				8
FP05041	**Hood Canal Coordinating Council**	Reducing Hood Canal Nutrient Loading	27	90	720.5	$120,392		$120,392				
FP05059	**Bainbridge Island City of**	Bainbridge Island Water Quality Monitoring Program	28	80	720.5	$198,640	$198,640					
FP05049	**Okanogan Conservation District**	Okanogan Conservation Technical Assistance	29	0	718	$336,175	$263,127					8, 9
FP05002	**Adams Conservation District**	Palouse Watershed Riparian Restoration and TMDL Project	30	90	714.5	$243,000						10
FP05087	**Thurston Conservation District**	Deschutes Early Action TMDL Project	31	70	707	$174,207						10
FP05035	**Snohomish Health District**	Partnering For Healthy Onsite Systems	32	80	704.5	$288,000						10
FP05094	**Mason Conservation District**	Totten/Eld Inlet TMDL Response	33	100	703.5	$250,000						10

Fiscal Year 2005 Centennial Clean Water Fund (Centennial), Clean Water Act Section 319 Nonpoint Source Fund (Section 319), and Washington State Water Pollution Control Revolving Fund (SRF) Final Offer and Applicant List

Application Number	Applicant Name	Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Funding Offered: CCWF	Section 319 Funds	SRF	Loan Terms (years)	Loan Interest Rate	Foot-notes
FP05054	**Thurston County**	Woodland Creek Pollutant Load Reduction	34	90	700	$240,000						10
FP05007	**Skagit County**	Red Creek Restoration Project	35	70	699	$248,611						10
FP05075	**Snohomish Conservation District**	Stillaguamish Sub-basin Fecal Coliform Reduction	36	100	697.5	$168,000						10
FP05020	**Seaview Sewer District**	Lift Station Improvements	37	100	695	$481,050			$481,050	20	1.5	
FP05053	**Benton Conservation District**	Yakima River Sediment Reduction Program	38	100	684.5	$242,111						10
FP05069	**Monroe City of**	Water Quality Monitoring/ Education Program	39	30	680	$121,167						10
FP05039	**Hood Canal Salmon Enhancement Group**	Annas Bay Dissolved Oxygen Program	40	80	676.5	$250,000						10
FP05088	**Thurston Conservation District**	Thurston/Mason Equine Outreach & Education	41	60	673	$183,029						10
FP05003	**Pend Oreille Conservation District**	Pend Oreille County Riparian Restoration	42	90	672.5	$250,000						10
FP05012	**Adopt-A-Stream Foundation**	Quilceda Pollution Identification/ Correction	43	50	661	$232,500						10
FP05023	**Sunnyside Port of**	Sunnyside Port Sequencing Batch Reactor	44	60	660	$3,381,818			$3,381,818	20	1.5	
FP05028	**Asotin City of**	Wastewater Treatment Plant Improvements	45	90	648	$1,580,000			$47,553	20	1.5	11
FP05024	**Lincoln County Conservation District**	Crab Creek Watershed Implementation	46	100	645	$222,563						10

Fiscal Year 2005 Centennial Clean Water Fund (Centennial), Clean Water Act Section 319 Nonpoint Source Fund (Section 319), and Washington State Water Pollution Control Revolving Fund (SRF) Final Offer and Applicant List

Application Number	Applicant Name	Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Funding Offered: CCWF	Section 319 Funds	SRF	Loan Terms (years)	Loan Interest Rate	Foot-notes
FP05063	**Spokane County Conservation District**	Hangman Creek Geomorphic Stabilization Project	47	100	644	$193,181						10
FP05052	**Okanogan Conservation District**	Okanogan Watershed Stormwater Filtration	48	0	643	$49,638						10
FP05027	**Central Klickitat Conservation District**	Kartes/Johnson Little Klickitat Restoration	49	0	642	$41,550						10
FP05017	**Ione Town of**	Cedar Creek Riparian Restoration	50	100	640.5	$20,250						10
FP05057	**Ferry Conservation District**	Watershed Improvement Project	51	100	640	$250,000						10
FP05014	**Central Klickitat Conservation District**	Donna Keirn Stream Restoration	52	0	640	$9,000						10
FP05031	**Franklin Conservation District**	Shallow Ground Water Protection Tool	53	100	624	$204,461						10
FP05060	**Clallam Conservation District**	Dungeness Comprehensive Water Quality Study	54	100	623.5	$74,955						10
FP05048	**Yakama Nation**	Yakama Reservation Water Quality Investigation	55	50	623	$187,500						10
FP05047	**Nooksack Salmon Enhancement Association**	Silver Creek Riparian Restoration Project	56	20	619.5	$180,000						10
FP05055	**Lummi Indian Business Council**	Acme-Saxon In-stream Phase II	57	70	610	$250,000						10
FP05042	**Nooksack Indian Tribe**	SF Nooksack Fine Sediment Assessment	58	80	607	$28,211						10
FP05077	**Whatcom Conservation District**	Drayton Harbor Shellfish Recovery Initiative	59	100	606.5	$500,000						10

Fiscal Year 2005 Centennial Clean Water Fund (Centennial), Clean Water Act Section 319 Nonpoint Source Fund (Section 319), and Washington State Water Pollution Control Revolving Fund (SRF) Final Offer and Applicant List

Application Number	Applicant Name	Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Funding Offered: CCWF	Section 319 Funds	SRF	Loan Terms (years)	Loan Interest Rate	Foot-notes
FP05073	**Snohomish Conservation District**	Small Farm Watershed Prioritization Survey	60	20	606.5	$90,750						10
FP05006	**Snohomish County**	Snohomish TMDL Surface/Groundwater Interaction Project	61	90	605.5	$249,526						10
FP05061	**Washington State University**	Low Impact Development Pilot Monitoring	62	90	587	$176,455						10
FP05005	**Snohomish County**	Snohomish County Septic System Stewardship	63	90	584.5	$244,500						10
FP05082	**Lewis County Conservation District**	Dillenbaugh Creek Water Quality Improvement	64	90	579.5	$250,000						10
FP05051	**Okanogan Conservation District**	Okanogan Stream Bank Stability Survey	65	0	578	$50,850						10
FP05093	**Mason County Department of Health Services**	Data Management & Public Education Project	66	100	573	$157,500						10
FP05095	**Mason Conservation District**	Participation in Oakland Bay Implementation	67	90	567.5	$250,000						10
FP05008	**Island County Public Works**	Whidbey Nonpoint Pollution Prevention Activities	68	100	563	$270,499						10
FP05026	**Brewster City of**	Wastewater Treatment Plant Upgrade Phase II	69	0	555	$500,000						12
FP05091	**Mason Conservation District**	On-Site Composting for Dog Waste	70	80	551.5	$250,000						10
FP05036	**Washington State University**	Water Quality Education for Beef AFO/CAFOs	71	80	543	$67,912						10
FP05064	**Zillah City of**	2005 WWTF Improvements	72	70	540	$2,471,000						12

Fiscal Year 2005 Centennial Clean Water Fund (Centennial), Clean Water Act Section 319 Nonpoint Source Fund (Section 319), and Washington State Water Pollution Control Revolving Fund (SRF) Final Offer and Applicant List

Application Number	Applicant Name	Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Funding Offered: CCWF	Section 319 Funds	SRF	Loan Terms (years)	Loan Interest Rate	Foot-notes
FP05038	**Hood Canal Salmon Enhancement Group**	Lynch Cove Dissolved Oxygen Program	73	100	522.5	$250,000						10
FP05098	**San Juan County Health and Community Services**	San Juan On-site Failure Repair	74	90	518	$450,000			$450,000	5	0.5	
FP05037	**Washington State University**	Soil Nitrate Movement to Ground Water	75	90	512.5	$449,429						10
FP05050	**Okanogan Conservation District**	Methow Conservation Technical Assistance	76	0	509.5	$240,175						10
FP05013	**Eastern Klickitat Conservation District**	Pine Creek Stream Bank Stabilization	77	0	501	$45,000						10
FP05045	**Stevens County Conservation District (SCCD)**	Stevens Westside Watershed Ranking And Planning	78	100	489.5	$250,000						10
FP05070	**King County Dept. Natural Resources & Parks**	S. Magnolia CSO Control Project Facilities Plan	79	100	477.5	$794,600						10
FP05071	**King County Dept. Natural Resources & Parks**	Barton CSO Control Project Facilities Plan	80	90	460	$1,109,949						12
FP05066	**King County Dept. Natural Resources & Parks**	Murray CSO Control Project Facilities Plan	81	80	453.5	$576,150						12
FP05067	**King County Dept. Natural Resources & Parks**	North Beach CSO Control Project Facilities Plan	82	100	447.5	$457,201						12

Fiscal Year 2005 Centennial Clean Water Fund (Centennial), Clean Water Act Section 319 Nonpoint Source Fund (Section 319), and Washington State Water Pollution Control Revolving Fund (SRF) Final Offer and Applicant List

Application Number	Applicant Name	Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Funding Offered: CCWF	Section 319 Funds	SRF	Loan Terms (years)	Loan Interest Rate	Foot-notes
FP05011	**Castle Rock City of**	Wastewater Treatment Plant Upgrade & Expansion	83	100	445	$655,000						12
FP05004	**Pend Oreille Conservation District**	Calispell Watershed Water Quality Report	84	80	442.5	$250,000						10
FP05096	**Sumner City of**	City of Sumner Surface Water Quality Sampling	85	80	412	$57,300			$57,300	10	1.5	
FP05056	**Rosalia Town of**	Sewer Line Rehabilitation – Phase 1	86	100	390	$40,000						12
FP05097	**Sumner City of**	City of Sumner Groundwater and Stream Flow Monitoring	87	70	388	$108,300			$108,300	10	1.5	
FP05068	**King County Dept. Natural Resources & Parks**	Carnation Wastewater Treatment Plant	88	70	377.5	$1,787,500						12
FP05025	**Sultan City of**	Surface Water Utility Implementation	89	40	335	$262,000			$262,000	20	1.5	
FP05089	**Everett Port of**	Water Quality Study/Live-aboard Impacts	90	60	333	$15,000						10
FP05021	**Sunnyside City of**	Wastewater Treatment Plant Upgrade	91	90	327.5	$1,085,000						12
FP05019	**Concrete Town of**	Concrete Wastewater Treatment Facility				$1,500,000						13
FP05016	**Ferry Conservation District**	Sherman Watershed Improvement and Enhancement Project (SWIEP)				$500,000						13
FP05085	**Lakewood City of**	Coherent Water Resonator – Steilacoom Lake				$99,000						13

Fiscal Year 2005 Centennial Clean Water Fund (Centennial), Clean Water Act Section 319 Nonpoint Source Fund (Section 319), and Washington State Water Pollution Control Revolving Fund (SRF) Final Offer and Applicant List

Application Number	Applicant Name	Project Title	Rank	Local Prioritization Points	Total Points	Total Funds Requested	Funding Offered: CCWF	Section 319 Funds	SRF	Loan Terms (years)	Loan Interest Rate	Foot-notes
FP05015	**Eastern Klickitat Conservation District**	Chapman Creek Crossing				$22,500						13

Refinance Projects

Application Number	Applicant Name	Project Title	Rank	Percent of Median Household Income	Total Funds Requested	SRF Funding Offered	Loan Terms (Years)	Loan Interest Rate	Foot-notes
FP05074	**Mossyrock City of**	RD Loan Standard Refinance	1	2.16%	$490,000				12
FP05030	**Westport City of**	City of Westport WWTP Refinance			$3,742,649				13

Centennial Funds Proposed: $16,200,000
Section 319 Funds Proposed: $2,217,077
SRF Funds Proposed: $89,951,366
Total Funds Proposed: $108,368,443

Notes:

Total points reflect an average from two Ecology 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 offered extended grant payments as established in Section 313(2) of the Washington State 2003-05 Biennial Capital Budget.
2. Ecology offered funding to the applicant as identified in Section 114(7) of the Washington State 2004 Supplemental Capital Budget.
3. This project is offered funding under the Alternative Contracting/Service Agreements in accordance with "pilot" SRF rulemaking provisions for Alternative Contracting/Service Agreements. Applicants are evaluated the year they first apply for funding and are not required to have their projects evaluated during subsequent funding cycles. Projects are then placed at the top of the funding offer list each year in relative priority order based on past offer lists until the project is fully funded. This is the second year for this project and therefore it was not ranked, but moved to the top of the list.
4. Project is eligible for financial hardship in accordance with Chapter 173.98 WAC, *Uses and Limitations of the Water Pollution Control Revolving Fund*, and is identified for a reduced loan rate, longer loan term, and partial grant funding on the FY 2004 Final Offer List. However, the City was not ready to use the grant until FY 2005. Therefore, Ecology is providing $4.4 million in grant funding to the City from the FY 2005 portion of the Washington State 2003-05 Biennial Capital Budget.
5. Project is eligible for financial hardship in accordance with Chapter 173.98 WAC, *Uses and Limitations of the Water Pollution Control Revolving Fund*, and is identified for a reduced loan rate, longer loan term, and partial grant funding.
6. In accordance with Chapter 173.95A WAC, *Uses and Limitations of the Centennial Clean Water Fund*, the City's project is eligible to receive a $5,000,000 hardship grant. However, due to the lack of available funds in the Water Pollution Control Facilities category only $2,966,667 remained after higher priority facility projects were offered funding. In order for the City to receive the additional hardship grant they will need to apply for funding during the FY 2006 funding cycle. If the City intends to apply for the hardship grant they will need to only submit Part 1 of the application. The project will be placed in the fundable portion of the offer list, subject to legislative appropriation.
7. Best Management Practices proposed on land under state and federal jurisdiction are ineligible for Water Quality Program financial assistance. Ecology may provide financial assistance to eligible recipients to participate in comprehensive watershed planning and large-scale monitoring programs on lands that may extend into federal and state property. For projects where it is not feasible topographically to install a conventional fence, off-stream watering provisions will be considered on a case-by-case basis according to the cost-effective alternative (e.g., nose pump, gap, hauling, well) identified in an approved conservation (farm) plan. The level of financial assistance available is now being established by an Ecology workgroup.
8. The applicant requested a higher grant amount in accordance with the FY 2005 Funding Guidelines and WAC 173-95A-030(6)(b)(i). Grants made for activities projects are subject to ceiling amounts of five hundred thousand dollars if the match for the grant is entirely in the form of cash.

Footnotes Continued:

9. The amount offered reflects the amount remaining after higher priority projects were proposed for funding.
10. The applicant requested grant funding and after higher priority projects were offered funding, no grant funds remain available.
11. Funds offered are less than funds requested because no funds remain in the Water Pollution Control Facilities Category after higher priority projects were offered funding.
12. No loan funds remain after higher priority projects in the Water Pollution Control Facilities Category were offered funding.
13. The project is ineligible for funding consideration.

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SUMMARY OF PROJECTS

FY 2005

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Fiscal Year 2005 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)
FP05001; Tacoma City of; Tacoma Central Treatment Plant Upgrade; Design and construct 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 and effluent pumping; grit removal; installing a peak wet weather flow treatment process; disinfection; solids handling.
FP05002; Adams Conservation District; Palouse Watershed Riparian Restoration and TMDL Project; Water quality in the Lower Palouse River basin will be improved by riparian zone rehabilitation such as providing off-stream livestock watering, fencing, and revegetation. Water quality monitoring will be conducted to assess effectiveness and in coordination with Total Maximum Daily Load (TMDL) development activities in the lower Palouse River watershed.
FP05003; Pend Oreille Conservation District; Pend Oreille County Riparian Restoration; Implementation of streambank stabilization and/or riparian buffers to reduce nonpoint source pollution and encourage proper streamside management. Develop a "Riparian Buffer Program Package" to include brochures, fact sheets, self-evaluation sheet, or a combination. Conduct educational events for K-12 and adults on buffers. Create a "model watershed" restoration project.
FP05004; Pend Oreille Conservation District; Calispell Watershed Water Quality Report; Thorough data collection of the Calispell watershed. The WRIA 62 Watershed Planning Unit ranks this watershed the number one priority watershed. Smalle Creek and Calispell River sections are designated "critical habitat" in the Draft USFWS Bull Trout Critical Habitat Survey. Contains five Category 5 and 13 Category 2 DOE listings.
FP05005; Snohomish County; Snohomish County Septic System Stewardship; Analyze Health & GIS data, identify hot spots in fecal-TMDL watersheds (Stillaguamish, French, Woods). Audience research pinpoints audience needs & motivations. Workshops explain how systems function, train owners in maintenance requirements. Technical assistance by Steward guides septic owners through maintenance, permits, financing, design, and installation. Inspection Rebates or Design & Financing Assistance.
FP05006; Snohomish County; Snohomish TMDL Surface/Groundwater Interaction Project; This project will lead to reduced pollution in Quilceda and Allen Creeks by determining the role of groundwater recharge and discharge on coliform and DO concentrations in Quilceda and Allen Creeks. Using this information to identify priority areas for applying BMPs that reduce pollution and increase groundwater recharge.
FP05007; Skagit County; Red Creek Restoration Project; The Red Creek Restoration Project will help to lower temperatures, decrease fecal coliform levels, and increase available fish habitat in Red Creek in Skagit County. Specific restoration actions include establishing riparian buffers to lower temperatures in, restoring floodplain and wetlands connections to, and excluding livestock from Red Creek.
FP05008; Island County Public Works; Whidbey Nonpoint Pollution Prevention Activities; Implementation of water quality actions identified in the CCWF grants for North Whidbey Nonpoint Pollution Prevention Planning (1992-1997) and South/Central Whidbey Nonpoint Pollution Prevention Planning (1996-2003) and Freeland Water Quality Project (2002).
FP05009; Thurston County Environmental Health Division; On-Site Financial Assistance Program; This Project will continue Thurston County's local loan fund, which makes long term, low interest funding available to repair failing on-site sewage systems and allow connection to sewer for properties with failing on-site systems where sewer is available. Lack of low cost funding often discourages or prevents citizens from repairing on-site sewage systems, which contribute to pollution of ground and surface waters in Thurston County.
FP05010; King Conservation District; Snoqualmie Watershed Ag Assistance Team (SWAAT); The King Conservation District (KCD) will provide small farm owners with education and technical assistance to improve water quality and fish habitat within the Patterson, Griffin, Harris and Ames Creek Watersheds. The KCD will provide workshops, farm tours, site visits and develop farm plans and educational materials to address management of nutrients, sediment and riparian zones.
FP05011; Castle Rock City of; Wastewater Treatment Plant Upgrade & Expansion; The project is a major upgrade and expansion of the City's existing wastewater treatment plant to provide approved secondary treatment. Major new and upgraded components include: new headworks; upgraded influent pump station; new oxidation ditch and two secondary clarifiers; new ultraviolet disinfection; and new biosolids thickening and dewatering.

Application number; Applicant name; Proposed project name; Description (from application)
FP05012; Adopt-A-Stream Foundation; Quilceda Pollution Identification/Correction; Conduct a stream survey of portions of Quilceda Creek and its tributaries, locate water pollution sources, identify responsible landowners, prepare corrective action prescriptions, establish landowner agreements to carry out corrective actions, and implement prescriptive action(s). Train volunteers to monitor corrective actions.
FP05013; Eastern Klickitat Conservation District; Pine Creek Stream Bank Stabilization; Extensive erosion of Pine Creek has caused steep embankments and increased sedimentation. This project will reshape the banks from vertical to a 2:1 slope on nearly 2000 lineal feet of stream. Root wads, log revetments, and geo-cells will stabilize the banks and plantings of plant species will provide shade.
FP05014; Central Klickitat Conservation District; Donna Keirn Stream Restoration; This project will restore a section of Blockhouse Creek that flows through a cooperating landowner's livestock pasture. It corrects the stream's width/depth ratio, eliminates livestock access to the stream, and provides restoration of native riparian vegetation. These activities fulfill implementation strategies of the Little Klickitat River Watershed Temperature TMDL.
FP05015; Eastern Klickitat Conservation District; Chapman Creek Crossing; Landowner must traverse Chapman Creek to access home and livestock facility. This project will replace a bridge washed out in the flood of 1996. It will also provide for high water volumes by routing water away from county roads preventing further wash outs.
FP05016; Ferry Conservation District; Sherman Watershed Improvement and Enhancement Project (SWIEP); The purpose of this project is to improve the Sherman Creek watershed. Removing Growden dam will allow fish passage into the entire Sherman Creek watershed. It will help lower water temperature, and improve fish habitat. It is part of a multi-agency enhancement and education project.
FP05017; Ione Town of; Cedar Creek Riparian Restoration; This project will restore riparian vegetation along approximately 1,100 feet of Cedar Creek after removal of the Cedar Creek Dam and reconstruction of the stream channel. As a result, water temperatures will be reduced and fish passage will be restored to approximately 12 miles of proposed bull trout Critical Habitat.
FP05018; Chelan County Conservation District; WRIA 45 TMDL/Early Implementation; Chelan County Conservation District will partner with Ecology and Wenatchee Planning Unit on Wenatchee River TMDL activities, including: Fulfilling water quality component, Wenatchee WRIA 45 Watershed Plan; Water quality monitoring; Early implementation activities; Developing Supplemental Implementation Strategy (SIS)/ EPA submittal; Developing Detailed Implementation Plan (DIP).
FP05019; Concrete Town of; Concrete Wastewater Treatment Facility; The Town of Concrete proposes to replace its existing wastewater treatment facility with a membrane bioreactor wastewater treatment plant. The purposed facility will improve the quality of effluent discharged to the Baker River in compliance with the Order on Consent No. DE 98WQ-N103 issued by Ecology on March 16, 1998.
FP05020; Seaview Sewer District; Lift Station Improvements; The proposed project consists of the removal of existing concrete roof slabs, access ways, drywell pumps, valves, piping and controls equipment and the installation of new wall sections, slabs, hatches, vaults, submersible pumps, valves, piping, electrical and controls equipment and accessories at six raw sewage lift stations.
FP05021; Sunnyside City of; Wastewater Treatment Plant Upgrade; Based on the City's 2003 Wastewater Facility Plan, the city plans to make major upgrades to the Clarification processes, Aeration and Re-aeration Systems, Solids Process and Handling System, UV System, and Operations/Lab Building. The improvements are necessary to meet new NPDES permit limits, redundancy requirements, and to provide for future growth.
FP05022; Kittitas Reclamation District; Kittitas TMDL Implementation & Compliance Monitoring; The Kittitas County Water Purveyors (KCWP), a Kittitas Reclamation District entity, will support water quality goals of the Upper Yakima River Watershed TMDLs (sediment/turbidity/pesticide, bacteria & temperature). KCWP will apply appropriate TMDL recommendations (BMPs), conduct WQ monitoring, conservation planning, technical assistance, irrigator outreach/education, & support the KCWP water compliance policy.

Application number; Applicant name; Proposed project name; Description (from application)
FP05023; Sunnyside Port of; Sunnyside Port Sequencing Batch Reactor; The addition of the sequencing batch reactor to the Port treatment system will reduce loadings of nitrogen and dissolved solids to the aquifer beneath the land application sprayfield. Reduced nitrogen loadings are intended to eliminate elevated groundwater nitrate concentrations.
FP05024; Lincoln County Conservation District; Crab Creek Watershed Implementation; Water quality has diminished in the Upper Crab Creek Watershed (WRIA #43) due to past channelization and agriculture/rangeland practices. Identified water quality problems include high pH, excessive nutrients, low dissolved oxygen, sedimentation, and bacteria. This project will address these water quality impairments by implementing restoration projects, effectiveness monitoring, and public outreach.
FP05025; Sultan City of; Surface Water Utility Implementation; The grant will be used to implement the Surface Water Quality Management Plan that was prepared last year under a DOE loan. (Phase I – COMPLETE). Activities for Phase II: Formation of the utility; Development of the organization, including position descriptions, staffing plan, and budget; Purchase and installation of accounting and task tracking software.
FP05026; Brewster City of; Wastewater Treatment Plant Upgrade Phase II; The City of Brewster Wastewater facility is facing non-compliance with its permits for effluent and biosolids handling, and is approaching plant capacity. This project is Phase II of upgrades to increase efficiency and replace outdated and marginally functioning components of the plant and collection system.
FP05027; Central Klickitat Conservation District; Kartes/Johnson Little Klickitat Restoration; This project will repair 600 feet of stream bank on the Little Klickitat River. An old barrel abutment will be removed and replaced with rock gabion baskets. Root wads and rock vanes will stabilize the channel and provide habitat for listed salmonids and native trout. Riparian plantings will provide shade.
FP05028; Asotin City of; Wastewater Treatment Plant Improvements; The City of Asotin is proposing a comprehensive upgrade to their wastewater treatment facility. These improvements will improve the performance and reliability of the treatment plant. Asotin's facility operates under a discharge permit issued by the Department of Ecology and these improvements are needed to ensure compliance with this permit.
FP05029; Chehalis City of; Chehalis Regional Water Reclamation Facility (CRWRF); To construct a new wastewater treatment plant capable of producing class A reclaimed water to irrigate a poplar tree plantation, and the reconstruction of the city's two largest wastewater pumping stations to meet new hydraulic requirements, and the construction of a forcemain to convey treated water to the poplar plantation.
FP05030; Westport City of; City of Westport WWTP Refinance; The City completed an upgrade to its WWTP in 1999. In 2002, the City completed an extension to the upgrade to Pump Station 3. A Loan was received from RDA. This has put a financial burden on our customers as the rate of new hookups has not increased as originally anticipated.
FP05031; Franklin Conservation District; Shallow Ground Water Protection Tool; This project addresses the problem of elevated levels of nitrates in groundwater, caused by agriculture activities in Franklin County. The project's goal is to develop a standard, management-recognized tool or system to measure in the shallow groundwater, the impact an implemented Agriculture Best Management Practice (BMP) has on nitrate leaching.
FP05032; Bellingham City of; Bellingham Salmon Habitat Restoration and TMDL; The Bellingham Salmon Habitat Restoration and TMDL proposal will restore or create a total of 2.0 linear miles of salmon habitat, implement a Whatcom Creek TMDL and conduct a public education campaign to prevent non-point source pollution and improve water quality, salmon habitat and recreational uses in three Bellingham streams.
FP05033; Kitsap County Health District; Dyes Inlet Restoration/Protection Project; This project implements early action for Sinclair/Dyes Inlet Total Maximum Daily Load for fecal coliform. It will improve/maintain Dyes Inlet water quality to protect the recent shellfish classification upgrade to conditionally approved. The project identifies and corrects fecal coliform nonpoint sources including failing septic systems and urban stormwater.
FP05034; Stillaguamish Tribe; Steelhead Haven Landslide Remediation Project; The ultimate goal of this project is to reduce the largest source of sediment in the North Fork Stillaguamish. This proposal would eliminate the river undercutting of the Steelhead Haven landslide. A log revetment would be constructed approximately 500 ft. from the slide to isolate it from the river.

Application number; Applicant name; Proposed project name; Description (from application)
FP05035; Snohomish Health District; Partnering For Healthy Onsite Systems; Reduce fecal coliform contamination of surface water through: Execute TMDL Implementation Plans (sanitary surveys, public education, technical assistance). Provide technical assistance to Snohomish County SWM and other agencies/ groups supporting efforts to identify and correct septic problems. Provide web-based O&M reporting procedures and filing by homeowners and service providers.
FP05036; Washington State University; Water Quality Education for Beef AFO/CAFOs; This statewide education project to ~ 10,500 beef producers will provide early implementation education (assess their risk of environmental impact, adopting best management practices, and understanding the regulations) about the EPA Concentrated Feeding Operation Rule to be implemented by December 2006. The result of the project will be water quality restoration and protection.
FP05037; Washington State University; Soil Nitrate Movement to Ground Water; The proposed project will improve groundwater quality (reduce nitrate movement to groundwater) through an increased understanding of: 1) the crop/manure/soil management practices that affect temporal levels of soil nitrate, 2) the leaching of nitrate through the vadose zone, and 3) the movement of nitrates to ground water.
FP05038; Hood Canal Salmon Enhancement Group; Lynch Cove Dissolved Oxygen Program; Determine the magnitude of sources of loading into Lynch Cove through Level 4 fecal coliform and nutrient monitoring of fresh and marine water as part of larger program to define the causes of low dissolved oxygen events in Hood Canal and develop corrective actions to reduce stress to sea life.
FP05039; Hood Canal Salmon Enhancement Group; Annas Bay Dissolved Oxygen Program; Determine the magnitude and sources of loading into Annas Bay through Level 4 fecal coliform and nutrient monitoring of fresh and marine water as part of larger program to define the causes of low dissolved oxygen events in Hood Canal and develop corrective actions to reduce stress to sea life.
FP05040; Seattle Public Utilities; Venema Creek Natural Drainage System; The Venema Creek Natural Drainage System project will use low impact development techniques to reduce urban stormwater runoff and achieve TMDL implementation objectives in the most important sub basin of Seattle's Piper's Creek. The project will significantly benefit water quality, wet weather flow reduction, and salmon survival in the watershed.
FP05041; Hood Canal Coordinating Council; Reducing Hood Canal Nutrient Loading; Inputs from on-site septic systems are contributing to hypoxic conditions and shellfish closures in lower Hood Canal. This project will assess new ways to improve onsite sewage treatment, including new technologies, economic incentives and economy-of-scale studies, and management structures. Three communities will be targeted for implementation after the feasibility studies.
FP05042; Nooksack Indian Tribe; SF Nooksack Fine Sediment Assessment; Nooksack Natural Resources proposes to measure suspended sediment and turbidity at a network of sites along the South Fork Nooksack River (SFNR). This will help us identify cumulative watershed effects and prioritize fine sediment reduction strategies for the SFNR, and will aid in the development of TMDLs.
FP05043; Stevens County Conservation District (SCCD); Thomason Creek Adoption Program; This project seeks to remove the excessive aquatic vegetation from the downstream reach of Thomason Creek and identify upstream nutrient sources, increasing levels of dissolved oxygen and lowering sedimentation. By assisting the local school district with a stream adoption program, it also enhances the environmental education and student involvement.
FP05044; Stevens County Conservation District (SCCD); Colville River TMDL Implementation; This project will support the Colville River Watershed TMDL by conducting water quality and bacteria source monitoring, working with septic system owners, providing education on bacteria sources and control, and providing technical assistance and cost-share for implementing BMPs.
FP05045; Stevens County Conservation District (SCCD); Stevens Westside Watershed Ranking And Planning; There is no assessment of the quality of the waters in the Stevens County Westside Watersheds (SCWW). This project will protect surface waters by developing a watershed ranking for the SCWW, an implementation plan for the number one watershed, and an education program so that waters in the SCWW will continue to support characteristic uses designated by Washington water quality standards.
FP05046; Nooksack Salmon Enhancement Association; Tenmile Creek Watershed Restoration Project; NSEA will improve water quality and salmon habitat in the Tenmile Creek Watershed by re-establishing riparian buffers along and placing LWD within streams degraded by a century of agricultural land use. 35-50 foot riparian buffers will be planted and 30 LWD structures will be constructed along 5000 feet of stream.

Application number; Applicant name; Proposed project name; Description (from application)
FP05047; Nooksack Salmon Enhancement Association; Silver Creek Riparian Restoration Project; NSEA will improve water quality, riparian functions, and salmon habitat in Silver Creek by re-establishing 35-50 ft. riparian buffers and placing 30 LWD structures along 5000 feet of stream channel.
FP05048; Yakama Nation; Yakama Reservation Water Quality Investigation; Determine existing conditions of surface and ground waters, to quantify pollutant sources and loads on the Yakama Reservation. The project will determine baseline and seasonal fluctuations in the quality of surface water discharging to the Yakima River from the Yakama Reservation, to target priority areas for improvement. In addition, locations and levels of contamination in ground water associated with Class V wells will be determined to establish public health hazard and wellhead protection measures.
FP05049; Okanogan Conservation District; Okanogan Conservation Technical Assistance; The District will work with NRCS to implement agricultural BMPs under the EQIP program that protect, enhance, and restore water quality such as riparian plantings, livestock fencing, and irrigation system improvements. In addition water quality samples will be taken to determine the status of water quality in area streams.
FP05050; Okanogan Conservation District; Methow Conservation Technical Assistance; The District will work with NRCS implementing contracts under the EQIP program. The BMPs used will reduce runoff from agricultural lands, infiltration of agricultural waste, by-products, and nutrients into groundwater, and reduce water withdrawals, which will improve localized water quality and prevent future degradation of surface and ground water quality.
FP05051; Okanogan Conservation District; Okanogan Stream Bank Stability Survey; The Okanogan Conservation District, in partnership with the USDA-NRCS, will conduct a bank stabilization and riparian condition survey of the upper Okanogan River mainstem and Bonaparte Creek to determine the overall change in bank stability and riparian condition, and identify areas of concern, since the first survey in 1995.
FP05052; Okanogan Conservation District; Okanogan Watershed Stormwater Filtration; The Okanogan Conservation District will work cooperatively with two municipalities (City of Okanogan and Town of Tonasket) in the Okanogan River Watershed to identify storm drain study areas within their municipal boundaries, install filters in storm drains, stencil drains to prevent dumping, and periodically test to estimate pollutant removal.
FP05053; Benton Conservation District; Yakima River Sediment Reduction Program; This project will improve endangered/threatened fish habitat in tributaries of the Yakima River, and the main stem by eliminating soil, nutrients and associated chemicals entering through farm runoff. This project implements actions outlined in Ecology's Suspended TMDL Implementation Plan, using NRCS's EQIP program, and other on-going Water Quality projects in the basin. The Education and Information Coordinator will implement agriculture and environmental education programs throughout the county.
FP05054; Thurston County; Woodland Creek Pollutant Load Reduction; Urban-level development in the unincorporated Woodland Creek watershed occurred using on-site septic systems and outmoded stormwater systems. Surface and groundwater pollution is impairing shellfish harvesting and water supplies. Project will identify pollution sources and contributory areas; evaluate effectiveness and feasibility of alternatives; and recommend an action program to correct these problems.
FP05055; Lummi Indian Business Council; Acme-Saxon Instream Phase II; Project will increase fine sediment storage and moderate stream heating in the South Fork Nooksack by constructing 5 historic-scale logjams. The logjams will provide deep sheltered pools and help restore an anastamosed channel configuration to provide multiple channels around stable forested islands.
FP05056; Rosalia Town of; Sewer line rehabilitation – Phase 1; Rosalia has an existing wastewater collection pipe system that results in increasingly expensive and ineffective hydraulics at the treatment lagoon. This project will reduce inflow and infiltration rates. The project goal is to reduce the hydraulic loading on the existing lagoon and planned future treatment facility.
FP05057; 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.

Application number; Applicant name; Proposed project name; Description (from application)
FP05058; Whatcom County; Watershed-Friendly Gardening Education; The project will expand an existing and successful lake-friendly gardening education program to residents of the Lake Whatcom and Lake Samish watersheds in Whatcom County. To convey and reinforce key messages, activities will use several different approaches, including print materials, videos, training of landscapers and retailers, and a demonstration landscape.
FP05059; Bainbridge Island City of; Bainbridge Island Water Quality Monitoring Program; The proposed project is to design and test a comprehensive, long-term surface and nearshore water quality monitoring program for a rapidly urbanizing area. Benefits include monitoring program development and initiation, identification of thresholds for adaptive management actions, public education, and distribution of water quality data to regional and state entities.
FP05060; Clallam Conservation District; Dungeness Comprehensive Water Quality Study; Clallam Conservation District proposes to address the following water quality problems by this grant application: Fecal coliform in surface water – investigate influences of tides & flood water on groundwater level, septics, & agricultural/stormwater runoff; Problem septics – monitoring to prioritize at risk septics; Habitat Study – study of stream & estuary restoration potential.
FP05061; Washington State University; Low Impact Development Pilot Monitoring; Washington State University and project partners will plan and implement the first monitoring program in the Puget Sound region to evaluate the effectiveness of individual practices and the overall design of a Low Impact Development (LID) stormwater management system at a residential LID pilot project in northern Pierce County.
FP05062; Pomeroy Conservation District; Garfield County Riparian Restoration Project; This project will significantly improve water quality in the Garfield County by implementing agricultural best management practices (BMPs) that include off-stream watering, fencing, and riparian plantings. At least 18 miles of riparian buffer will be created. We will also conduct water quality effectiveness monitoring and provide photo-documentation of improving riparian health.
FP05063; Spokane County Conservation District; Hangman Creek Geomorphic Stabilization Project; This channel and bank stabilization project proposes to utilize an approach identified in the WDFW Integrated Streambank Protection Guideline (2003) to reshape an entire stream reach (1.3 miles). The design will incorporate reshaping of high outside banks, the channel cross section, the terrace, and an extensive native riparian revegetation effort.
FP05064; Zillah City of; 2005 WWTF Improvements; The proposed project provides for the construction element of the WWTF improvements outlined in the Wastewater Facilities Plan. The improvements upgrade several of the wastewater treatment processes that are currently overloaded by existing flows and will provide increased capacity for the 20-year projected population growth.
FP05065; San Juan County Conservation District; Low Impact Development Plus; This project implements an expanded low impact development model that, through education and technical assistance for landowners, will result in a) more effective local compliance with stormwater management requirements and b) application of wide range of voluntary conservation and stewardship practices to complement mandated BMPs. The project is preventive and intended to mitigate detrimental water quality impacts of rapid growth and land conversion/development.
FP05066; King County Dept. Natural Resources & Parks; Murray CSO Control Project Facilities Plan; The Murray CSO overflows approximately 5 times per year with an annual overflow volume of approximately 6 million gallons per year. KCWTD planning recommended construction of a storage tank to control overflows to the required state standard of one untreated event per year on average (Washington State Water Pollution Control Act (RCW 90.48) and WAC 173-245). This application is for the Facilities Plan only.
FP05067; King County Dept. Natural Resources & Parks; North Beach CSO Control Project Facilities Plan; The North Beach CSO overflows approximately 17 times per year with an annual overflow volume of approximately 6 million gallons per year. KCWTD planning recommended construction of an underground storage tank and upgrading the existing pump station to control overflows to the required state standard of one untreated event per year on average (Washington State Water Pollution Control Act (RCW 90.48) and WAC 173-245). This application is for the Facilities Plan only.
FP05068; King County Dept. Natural Resources & Parks; Carnation Wastewater Treatment Plant; Preparation of facilities plan and EIS for a new 0.36 mgd wastewater treatment plant and outfall into the Snoqualmie River to serve the City of Carnation. Alternatives to the outfall being considered include wetlands enhancement and upland infiltration. The County will be responsible for construction, operation and maintenance of the treatment plant. The City of Carnation will be responsible for the collection system. This application is for the County's work on the treatment plant. The City will submit their own application for their work.

Application number; Applicant name; Proposed project name; Description (from application)
FP05069; Monroe City of; Water Quality Monitoring/Education Program; The City of Monroe will institute a program of monitoring, education, and public involvement to quantify and improve the fecal coliform contamination and dissolved oxygen levels in stormwater runoff in the Woods Creek and French Creek Watersheds.
FP05070; King County Dept. Natural Resources & Parks; S. Magnolia CSO Control Project Facilities Plan; The S. Magnolia CSO overflows approximately 25 times per year with an annual overflow volume of approximately 14 million gallons per year. KCWTD planning recommended construction of a storage tank to control overflows to the required Washington state standard of one untreated event per year on average (Washington State Water Pollution Control Act (RCW 90.48) and WAC 173-245). This application is for the Facilities Plan only.
FP05071; King County Dept. Natural Resources & Parks; Barton CSO Control Project Facilities Plan; The Barton CSO overflows approximately 9 times per year with an annual overflow volume of approximately 8 million gallons per year. KCWTD planning recommended building a new pump station to control overflows to the required standard of one untreated event on average per year (Washington State Water Pollution Control Act (RCW 90.48) and WAC 173-245). This application is for the Facilities Plan only.
FP05072; Skagit County Health Department; Skagit Septic System Improvement Project; The Skagit Septic System Improvement Project will increase awareness and promote access to allow monitoring, maintenance, and upgrades to enhance performance of septic systems in areas that have documented water quality threats or impairments, and have public health concerns.
FP05073; Snohomish Conservation District; Small Farm Watershed Prioritization Survey; This project would entail a district wide survey of farms to assess numbers, types, sizes, and associated water quality concerns. This information will be used to prioritize: district workloads, TMDL watershed efforts where funding exists, and offer a survey template for the Animal Feeding Operations (AFO)/ Concentrated Animal Feeding Operation (CAFO) program that can be used statewide at other districts. Maps and final report from the project will be valuable to others to use during watershed planning or prioritization processes.
FP05074; Mossyrock City of; RD Loan Standard Refinance; In 2001, the City of Mossyrock commissioned a new activated sludge treatment plant that uses an activated sludge process and biological nitrification and UV disinfection. The new 0.297 MGD plant was completed at total cost of $2.5 Million. Financing for the project was through a Community Development Block Grant and a USDA Rural Development (RD) grant and loan package. The loan portion of the financing is provided by a 40-year RD loan at 4.5% interest. The current sewer rates are $35.70 per month for a low-income community. While refinancing would slightly increase the annual debt payment for the City, it would allow the debt to be retired in 20 years rather than 40 and would save the City almost $500,000 in interest payments.
FP05075; Snohomish Conservation District; Stillaguamish Sub-basin Fecal Coliform Reduction; SCD will work with septic system and livestock owners to decrease fecal coliform contamination in three selected Stillaguamish sub-basins. Tasks include: increasing homeowner awareness of septic system design, operation and maintenance, implementing farm BMPs, educating recreational horse users on a local tree farm about fecal contamination, and monitoring stream changes.
FP05076; Whatcom Conservation District; Ten Mile Watershed Restoration - Phase III; The Ten Mile Creek watershed has experienced water quality and quantity degradation from agricultural land use practices. This project will provide education and support to implement Phase III of citizen-based stewardship actions to re-vegetate riparian corridors, increase environmental awareness, and facilitate behavioral changes to meet water quality and quantity goals.
FP05077; Whatcom Conservation District; Drayton Harbor Shellfish Recovery Initiative; For the Drayton Harbor watershed, reopen bacterial contaminated shellfish beds by: Facilitating livestock owners adoption of BMPs; Increasing community awareness, support and involvement; Developing a protocol for emergency closure of shellfish beds because of extraordinary storm events; Working closely with state and local agencies.
FP05078; Skagit Conservation District; Nookachamps TMDL Implementation; TMDL implementation of the Nookachamps Basin will protect, restore, and enhance water quality and fish and wildlife habitat. An updated watershed assessment will target project activities when coupled with extensive stakeholder outreach. Farm plans will be developed and implemented. Educational opportunities will train volunteers for on-going monitoring activities and implementation.

Application number; Applicant name; Proposed project name; Description (from application)
FP05079; Skagit Conservation District; Samish Clean Water Implementation; Program implementation in the Samish Basin will protect, restore, and enhance water quality and fish and wildlife habitat. An updated watershed assessment will target project activities when coupled with extensive stakeholder outreach/education. Conservation plans will be developed and implemented. Educational opportunities will train volunteers for on-going monitoring activities and implementation.
FP05080; Clark Conservation District; Small Farms for Clean Water; Clark Conservation District proposes to give small acreage landowners the knowledge and skills necessary to implement best management practices that will reduce pollution of surface waters. Our project provides educational workshops, technical assistance, and cost-share to support small farms in improving water quality in the Salmon Creek watershed.
FP05081; Clark Conservation District; Salmon Creek Mile 10.5 Restoration; Salmon Creek has experienced gradual water quality degradation from land use practices and urbanization. This proposal will restore water quality and stream habitat through streambank protection, restoration, and revegetation practices. These established practices will reduce erosion, turbidity levels, and improve overall water quality in Salmon Creek.
FP05082; Lewis County Conservation District; Dillenbaugh Creek Water Quality Improvement; The Lewis County Conservation District will monitor water quality and complete salmon habitat assessments in the Dillenbaugh Creek Watershed. In addition, we will educate and work with stakeholders to restore and protect the water quality in the system. Stakeholders include the City of Chehalis, Lewis County, businesses, schools and residents.
FP05083; LOTT Wastewater Alliance; Hawks Prairie Reclaimed Water Satellite; Construction of the Hawks Prairie Reclaimed Water Project will provide the first increment of new wastewater treatment capacity and the first reclaimed water satellite under LOTT's Wastewater Resource Management Plan. It includes a reclaimed water treatment plant, constructed wetlands ponds, groundwater recharge basins, wastewater pipelines, and reclaimed water distribution pipelines.
FP05084; Educational Service District 113; Chehalis Basin Education Consortium Project; Involve teachers, students, the community in basin-wide water quality monitoring and in interpretive and restoration activities along Chehalis River in Centralia. Partner with Grays Harbor College's Model Watershed Program to engage students, community in water quality educational programs and Alder Creek restoration projects. Project culminates annually with basin-wide Student Congress.
FP05085; Lakewood City of; Coherent Water Resonator – Steilacoom Lake; A one year pilot project, implementing Coherent Water Resonator (CWR) technology. Low dissolved oxygen levels occur lake-wide during the summer. This project will utilize CWR technology to increase oxygen levels. By increasing oxygen levels, nutrients will not be recycled back into the water column from the bottom sediments, reducing the nutrient source for toxic algae blooms.
FP05086; Chehalis Basin Conservation District Alliance; Upper Chehalis TMDL BMP Implementation; In Response to the Upper Chehalis TMDLs: Assess riparian habitat for the purpose of future improvement. Restore riparian habitat in identified locations. Provide technical assistance to implement best management practices recommended by more than 30 conservation plans and prepare 12 additional plans. Educate landowners in conservation practices and BMPs.
FP05087; Thurston Conservation District; Deschutes Early Action TMDL Project; Providing education through workshops, tours, and publications, as well as a stewardship program to landowners in the Deschutes Watershed. In addition, technical and cost share assistance will be delivered to agricultural and riparian landowners to help them implement Best Management Practices (BMPs) that address water quality issues.
FP05088; Thurston Conservation District; Thurston/Mason Equine Outreach & Education; Provide education on water quality best management practices (BMPs) to Thurston & Mason County area 4-H horse clubs and commercial stables through workshops, materials and farm tours. Project will also provide farm plans, technical assistance and cost-share to horse farm owners implementing BMPs that improve water quality and fish habitat.
FP05089; Everett Port of; Water Quality Study/Live-aboard Impacts; The Everett Shoreline Master Program, requires the Port to establish a water quality monitoring program to determine what, if any, significant water quality effects may exist as a result of live-aboards in the Everett Marina area. The marina and river will be tested during low flow, high use periods for; temperature, salinity, dissolved oxygen, nitrate, phosphate, fecal coliform, and oil and grease. The data collected has relevance to other marina facilities.

Application number; Applicant name; Proposed project name; Description (from application)
FP05090; Pierce Conservation District; South Prairie Creek Recovery Monitoring; This project will produce highly trained volunteers and use them to monitor the recovery of South Prairie Creek from fecal coliform and temperature contaminants, and provide a data set for use in adaptive management decisions for recovery as recommended by the South Prairie Creek TMDL submittal report.
FP05091; Mason Conservation District; On-Site Composting for Dog Waste; Educate citizens on the harmful effects of uncollected dog waste and provide tools to make disposing and composting easy. The work completed in Mason County will be developed into a model program that can be utilized statewide. Help eliminate fecal contaminates from entering waterways by developing on-site composting systems for pet waste.
FP05092; Skagit Fisheries Enhancement Group; Nookachamps Basin Riparian Restoration; The Nookachamps basin will be targeted for implementation of temperature reduction measures on select water bodies cited in the Lower Skagit River Tributaries Temperature TMDL. Activities include project site inventory, planting streamside vegetation, installing livestock fencing to reduce erosion and sedimentation, altering channel geometry using LWD, and public outreach and education.
FP05093; Mason County Department of Health Services; Data Management & Public Education Project; Recognizing that proper operation and maintenance of onsite sewage systems can reduce the quantity of nonpoint source pollution, Mason County is proposing the DATA MANAGEMENT & PUBLIC EDUCATION PROJECT, as a proactive program specifically designed to educate homeowners regarding the function, operation, and maintenance of their onsite sewage systems.
FP05094; Mason Conservation District; Totten/Eld Inlet TMDL Response; TMDL Direct Implementation Plan development at the local level. Early implementation of TMDL through onsite sewage system and agricultural BMP evaluation and implementation, with outreach elements designed to enhance stakeholder participation in TMDL plan development. Follow-up of work performed in watershed to quantify effectiveness of historical efforts.
FP05095; Mason Conservation District; Participation in Oakland Bay Implementation; Participate in the implementation planning of the TMDL development through cooperative efforts. Early action of the process for TMDL studies through agricultural BMP assessment and implementation and onsite sewage system. Validation of work on accountable efforts in the watershed and identifying areas of concern.
FP05096; Sumner City of; City of Sumner Surface Water Quality Sampling; The City of Sumner intends to implement a surface water quality monitoring program to (1) establish a water quality baseline for surface waters receiving stormwater runoff from within city limits, and (2) to assess whether flow from existing Sumner stormwater outfalls are negatively impacting receiving water quality.
FP05097; Sumner City of; City of Sumner Groundwater and Stream Flow Monitoring; The City of Sumner intends to collect baseline data to evaluate stream flow and groundwater impacts resulting from the urbanization of the northern part of the city. The proposed project will allow the City to collect stream flow and groundwater level data in the White River valley, especially during low-flow periods.
FP05098; San Juan County Health and 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).

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DIRECT IMPLEMENTATION FUND
FINAL OFFER LIST

FY 2005

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Direct Implementation Fund (DIF)

This year, Ecology reserved $400,000 in FY 2004 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 27, 2004.

To facilitate the selection of projects proposed, the Nonpoint Source Workgroup was used. 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

The FY05 DIF application list and project summaries of all project proposals submitted follow:

Direct Implementation Fund Ranked Ordered Project List

State Agency	Rank	Project Name	Amount Requested	Amount Offered
Washington Department of Ecology	**1**	Basin-wide Student Monitoring & Restoration in Two (2) Southwest Watersheds – Chehalis Basin and Hood Canal	$50,000	$50,000
Washington State Department of Community, Trade and Economic Development & Washington Department of Ecology	**2**	Integrating Landscape Principles into Local Land Use Planning	$74,000	$74,000
Washington State University	**3**	Addressing Nutrient Loading in Hood Canal at the Source	$50,000	$50,000
Washington Department of Fish and Wildlife	**4**	Protecting Puget Sound from Invasive Plants	$45,357	$45,357
Washington Department of Natural Resources	**5**	Educational Outreach Program for Small Forest Landowners on Improving Forest Roads to Benefit Water Quality	$17,300	$17,300
Washington State Conservation Commission	**6**	Cultural Resources Protection and NPS Pollution	$50,000	$50,000
Puget Sound Water Quality Action Team	**7**	Low Impact Development Local Grants	$45,000	$45,000
Washington State University	**8**	Water Quality Education for AFO/CAFOs	$67,912	$50,000
Washington Department of Fish and Wildlife	**9**	Stream Restoration Guidelines – Training and Development	$50,000	$18,343
Washington Department of Ecology	**10**	Assessing the Importance of Wastewater Infrastructure in Mitigating Cumulative Urbanization	$50,000	$0
Washington Department of Health	**11**	Multi-Language Shellfish Resource Publications	$50,000	$0
Washington State University	**12**	Real Time Watershed Monitoring for Adaptive Management	$49,954	$0
Washington Department of Fish and Wildlife	**13**	Fishway Guidelines for Washington State	$60,000	$0
Washington Department of Transportation	**14**	Water Crossing White Paper	$30,000	$0

Direct Implementation Fund Ranked Ordered Project List

State Agency	Rank	Project Name	Amount Requested	Amount Offered
Washington Department of Natural Resources	**15**	Compliance Monitoring	$49,133	$0
Washington Department of Fish and Wildlife	**16**	Fish Protection Screen Guidelines for Washington State	$64,000	$0

Section 319 DIF Funds Offered: **$400,000**

DIRECT IMPLEMENTATION FUND
SUMMARY OF PROJECTS

FY 2005

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Direct Implementation Fund, Project Summaries

Application number; Applicant name; Project name; Description
1. WA-05-01; Puget Sound Water Quality Action Team (PSWQAT); Low Impact Development Local Grants (LID LOGs); This project will establish a one-time, competitive grants program for local governments to receive funds to develop new or revise existing development and drainage regulations, and revise existing site development standards, to allow for the use of low impact development techniques in development projects in their jurisdictions.
2. WA-05-02; Department of Natural Resources (DNR); Compliance Monitoring; This project will complete initial development and implement an ongoing compliance monitoring program to measure the on-the-ground implementation of forest practice rules. This compliance-monitoring program is being developed as a phased project, starting with one section of the Forest Practices (FP) rules and expanding to cover multiple sections of the rules over the next 2-3 years.
3. WA-05-03; Department of Natural Resources (DNR); Phase Two – Educational outreach program for small forest landowners on improving forest roads to benefit water quality; This project is the second phase (Phase II) of conducting a series of statewide workshops for small forest landowners on road engineering strategies that minimize impacts to streams and water quality. Phase II of this project is aimed toward more localized audiences of small forest landowners throughout the state.
4. WA-05-04; Department of Health (DOH); Multi language shellfish resource publication; This project will update, translate, re-publish, and disseminate the 1999 educational pamphlet known as "Public Shellfish Sites of the Puget Sound". Re-production of this publication would be a cooperative effort between the State Departments of Health, Ecology, and Fish & Wildlife.
5. WA-05-05; Washington Department of Fish and Wildlife; Protecting Puget Sound from Invasive Plants; This project will prevent and control the spread of invasive nonnative plants and animals into coastal and near-shore waters. It will protect the integrity of the Puget Sound ecosystem by identifying vessels that are a high risk of introducing invasive species through ballast water discharges.
6. WA-05-06; Washington State University (WSU); Real-time Watershed Monitoring for Adaptive Management of the Ten Mile Watershed; This project will provide support to landowners and other key stakeholders develop successful adaptive watershed management in the Ten Mile Creek Watershed in Whatcom County by delivering sensor-web technology. This technology will provide continuous, real-time data on stream, riparian, and weather conditions throughout the watershed delivered to the landowners and other managers through web-based software.
7. WA-05-07; Washington State University (WSU); Water Quality Education for Beef AFO/CAFOs; This Education-Outreach project will target the 10,500 beef producers in Washington State to inform them about federal and state water quality regulations and practices that they can adopt to protect water quality.
8. WA-05-08; Washington State Department of Transportation; Water Crossing White Paper; This project will conduct a "state of the knowledge" white paper on water crossing issues (with a focus on issues relevant to Washington). Like other white papers in this series, it would be intended to help guide the production of future additions to the Aquatic Habitat Guidelines series. This white paper is a "missing link" piece of the Aquatic Habitat Guidelines Program.
9. WA-05-09; Washington State University (WSU) Extension and Puget Sound Water Quality Action Team (PSWQAT); Addressing Nutrient Loading in Hood Canal at the Source; This project will develop and implement educational and social marketing strategies to reduce anthropogenic nutrient loading to Hood Canal. The program will focus on the adoption of landscaping practices to reduce nutrients and stormwater runoff, as well as onsite sewage system maintenance and failure identification.
10. WA-05-10; Washington Department of Fish and Wildlife; Fishway Guidelines for Washington State; This project will update the "Fishway Guidelines for Washington State". The guidelines are used for educational outreach through training, as a design tool to assist salmon recovery project sponsors and designers. Bringing this document to a final form will add to the current collection of AHG guidelines, including Fish Passage Design at Road Culverts, Integrated Streambank Protection and Stream Habitat Restoration.
11. WA-05-11; Washington Department of Fish and Wildlife; Fish Protection Screen Guidelines for Washington State; This project will finalize Aquatic Habitat Guidelines (AHG), create AHG website and print hard copies for distribution. The guideline would be used for educational outreach through training, as a design tool to assist salmon recovery project sponsors and designers.
12. WA-05-12; Washington Department of Fish and Wildlife; Stream Habitat Restoration Guidelines – Training Development and Training; This project will develop and implement training workshops for state, federal, and local governments, tribes, consultants, lead entities, enhancement groups, and other interested

Application number; Applicant name; Project name; Description
parties to learn how to make the most effective use of the Aquatic Habitat Guidelines (AHG).
13. WA-05-13: Washington Department of Ecology: Assessing the importance of wastewater infrastructure in mitigating cumulative urbanization impacts: This project will assess the importance of wastewater infrastructure in minimizing nonpoint sources of fecal coliform bacterial pollution in selected Puget Sound bays. The project will use multiple regressions modeling to evaluate the effects of septic, stormwater, and wastewater systems while accounting for environmental variables such as tide, salinity, and temperature.
14. WA-05-14: Washington Department of Ecology: Basin-wide student monitoring & restoration in 2 Southwest watersheds – Chehalis Basin and Hood Canal: This project will engage students, teachers and community members in water quality monitoring to define the causes of, restoration to correct the effects of and community education to the reduce the incidences of non-point pollution in the Chehalis River basin.
15. WA-05-15: Washington State Conservation Commission: Cultural Resource Protection & Nonpoint Pollution Prevention: This project will help reduce a significant financial barrier to implementation of riparian and nonpoint projects and improve understanding between tribal governments and private landowners as well as provide training to conservation district personnel regarding cultural resources and how they relate to the projects on which they are working.
16. WA-05-16: Washington Department of Ecology: Integrating landscape-scale principles into local land-use planning: This project will help local governments incorporate landscape scale ecological principles into local land-use planning and permitting. The project will consist of two primary elements: 1) working with local governments to develop pilot projects for implementing a landscape approach; and 2) phased workshops designed to meet two objectives: (a) informing planners and consultants about the benefits of the approach and the basic methods involved, and (b) demonstrating the methods in applied situations working with local governments.