

**“Clallam County Streamkeepers Educational Outreach”
Public Involvement and Education Fund grant application—Jan. 2006**

1.	Name of Organization submitting proposal:	Streamkeepers of Clallam County	
2.	Address of organization submitting proposal:	Clallam County Dept of Community Development 223 E. 4 th St., Suite 5 Port Angeles, WA 98362	
3.	Geographic area served by project:	The project will cover virtually all freshwater streams in Clallam County, but streams of particular emphasis are (roughly from E to W) Jimmycomelately, Johnson, Bell, Cassalery, Dungeness, Siebert, Bagley, Morse, Lees, Ennis, Peabody, Valley, Dry, Indian, Salt, E. Twin, and Clallam.	
4.	This project uses education and/or public involvement to address the following priorities. Check the priority that best fits your project.	<input type="checkbox"/>	Reduce toxic contamination and prevent future contamination
		<input type="checkbox"/>	Reduce stormwater runoff
		<input checked="" type="checkbox"/>	Protect shorelines and other critical areas that provide important ecological functions
		<input type="checkbox"/>	Restore degraded nearshore and freshwater habitats
		<input type="checkbox"/>	Recover salmon populations
5.	Exact funding amount requested:	\$28,408.00	
6.	Matching/in-kind funds?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
7.	Name of contact person for the project:	Ed Chadd 360-417-2281 streamkeepers@co.clallam.wa.us	
8.	Name of fiscal contact for the project:	Cindy Swegle 360-417-2321	
9.	Has your organization received PIE funds in the past?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
10.	Is this a previously funded PIE project?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

Abstract

Clallam County Streamkeepers Educational Outreach

The Clallam County Streamkeeper volunteers collect data to help protect and restore watersheds. Long-term success of such protection and recovery efforts requires broad public support. This support depends on understanding the importance of intact ecological functions for beneficial uses of our streams and watersheds, and of the particular problems faced by our local watersheds. Streamkeepers have collected a wealth of data on these issues, but that data is difficult to present to the public because of its complex and scientific nature. This project will bridge that gap by creating useful and understandable educational materials for the citizens of Clallam County about:

1. the important functions served by healthy watersheds
2. the components essential to those functions
3. the current status of those components in our local watersheds

4. efforts to protect and restore our local watersheds
5. how citizens can help those efforts

We will pay particular attention to item 3 above, making our data accessible and interesting to a broad audience. By raising awareness of ecological issues, this project will increase the citizenry's willingness to support laws and public expenditures to protect the streams and other critical habitat areas of our region, to volunteer time and expertise to local stewardship projects, and to make their daily life activities more compatible with the long-term health of our watersheds. The materials created with this grant will be used beyond the grant period, thus providing continuing benefit to Clallam County and Puget Sound.

Project Design

Clallam County Streamkeepers Educational Outreach

A.	Issue and/or Problem																																				
<p>Streamkeepers have monitored Clallam County streams flowing into the Strait of Juan de Fuca for the past six years. The data has been used by a host of other entities for watershed assessment, protection, and restoration. For example, our data has been used to support and track the effectiveness of restoration projects totaling millions of dollars on the following streams:</p>																																					
<table border="1"> <thead> <tr> <th data-bbox="131 680 380 709">Stream</th> <th data-bbox="380 680 813 709">Project(s)</th> <th data-bbox="813 680 1346 709">Sponsor(s)</th> </tr> </thead> <tbody> <tr> <td data-bbox="131 709 380 800">Jimmycomelately Creek</td> <td data-bbox="380 709 813 800">Lower creek and estuary restoration, bridge replacements</td> <td data-bbox="813 709 1346 800">Jamestown S'Klallam Tribe, Clallam County, Clallam Conservation District, WDFW, WSDOT, EPA</td> </tr> <tr> <td data-bbox="131 800 380 863">Bell Creek</td> <td data-bbox="380 800 813 863">Channel and riparian restoration, pollution prevention</td> <td data-bbox="813 800 1346 863">WSDOT, Clallam Conservation District, City of Sequim, landowners</td> </tr> <tr> <td data-bbox="131 863 380 926">Cassalery Creek</td> <td data-bbox="380 863 813 926">Agricultural Best Management Practice and riparian restoration</td> <td data-bbox="813 863 1346 926">CCD, landowners</td> </tr> <tr> <td data-bbox="131 926 380 989">Dungeness River</td> <td data-bbox="380 926 813 989">Kinkade Island and River's End floodplain restoration projects</td> <td data-bbox="813 926 1346 989">Clallam County</td> </tr> <tr> <td data-bbox="131 989 380 1052">Siebert Creek</td> <td data-bbox="380 989 813 1052">Habitat assessment, property acquisition, bridge widening</td> <td data-bbox="813 989 1346 1052">Pacific Woodrush, Clallam County, FHWA</td> </tr> <tr> <td data-bbox="131 1052 380 1115">Morse Creek</td> <td data-bbox="380 1052 813 1115">Estuary and channel restoration</td> <td data-bbox="813 1052 1346 1115">Clallam County, North Olympic Salmon Coalition, WDFW</td> </tr> <tr> <td data-bbox="131 1115 380 1146">Ennis Creek</td> <td data-bbox="380 1115 813 1146">Channel and riparian restoration</td> <td data-bbox="813 1115 1346 1146">Lower Elwha Klallam Tribe (LEKT)</td> </tr> <tr> <td data-bbox="131 1146 380 1230">Valley Creek</td> <td data-bbox="380 1146 813 1230">Estuary restoration; Hwy. 101 culvert improvements; channel restoration</td> <td data-bbox="813 1146 1346 1230">Soroptimists; Rotary Club; K-Ply; WDFW; North Olympic Salmon Coalition</td> </tr> <tr> <td data-bbox="131 1230 380 1262">Salt Creek</td> <td data-bbox="380 1230 813 1262">Habitat assessment</td> <td data-bbox="813 1230 1346 1262">LEKT, N. Olympic Salmon Coalition</td> </tr> <tr> <td data-bbox="131 1262 380 1293">East Twin River</td> <td data-bbox="380 1262 813 1293">Channel and riparian restoration</td> <td data-bbox="813 1262 1346 1293">Clallam Conservation District, LEKT</td> </tr> <tr> <td data-bbox="131 1293 380 1325">Clallam River</td> <td data-bbox="380 1293 813 1325">Habitat assessment</td> <td data-bbox="813 1293 1346 1325">Clallam County, WRIA 19 group</td> </tr> </tbody> </table>		Stream	Project(s)	Sponsor(s)	Jimmycomelately Creek	Lower creek and estuary restoration, bridge replacements	Jamestown S'Klallam Tribe, Clallam County, Clallam Conservation District, WDFW, WSDOT, EPA	Bell Creek	Channel and riparian restoration, pollution prevention	WSDOT, Clallam Conservation District, City of Sequim, landowners	Cassalery Creek	Agricultural Best Management Practice and riparian restoration	CCD, landowners	Dungeness River	Kinkade Island and River's End floodplain restoration projects	Clallam County	Siebert Creek	Habitat assessment, property acquisition, bridge widening	Pacific Woodrush, Clallam County, FHWA	Morse Creek	Estuary and channel restoration	Clallam County, North Olympic Salmon Coalition, WDFW	Ennis Creek	Channel and riparian restoration	Lower Elwha Klallam Tribe (LEKT)	Valley Creek	Estuary restoration; Hwy. 101 culvert improvements; channel restoration	Soroptimists; Rotary Club; K-Ply; WDFW; North Olympic Salmon Coalition	Salt Creek	Habitat assessment	LEKT, N. Olympic Salmon Coalition	East Twin River	Channel and riparian restoration	Clallam Conservation District, LEKT	Clallam River	Habitat assessment	Clallam County, WRIA 19 group
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<p>Our data is complex and scientific, which makes it difficult for the general public to understand. But public understanding is crucial if there is to be public support for</p> <ul style="list-style-type: none"> • Daily-life activities conducive to healthy watersheds • Laws and public expenditures protecting and restoring watersheds • Volunteer stewardship activity such as monitoring and restoration projects <p>Without such support, even the most promising watershed-recovery effort will fail. To generate such support requires that citizens be made aware of watershed issues at a level that specifically relates to where and how they live—precisely the kind of data Streamkeepers generates. Therefore, Streamkeepers is the logical agency in Clallam County to bring specific information about our local watersheds to the public. To succeed in this effort, we need to develop materials that get our data findings across to a broad public.</p>																																					
B.	Objectives																																				
<ul style="list-style-type: none"> • Process data on local watersheds in meaningful ways and display it in a graphical context • Increase public understanding of: <ul style="list-style-type: none"> ○ Factors affecting watershed health and salmon recovery issues ○ specific understanding of challenges faced by Clallam County watersheds • Increase public commitment to being active stewards in preserving watershed health • Increase the number of Streamkeeper volunteers 																																					

Project Design

Clallam County Streamkeepers Educational Outreach

C.	Target audience
	<ul style="list-style-type: none"> • General public (adults & children) attending local festivals across the County • Local community groups (e.g., Rotary, Soroptimists, Newcomers Club) • Local school children • Visitors to Streamkeepers website
D.	Activities
	<ul style="list-style-type: none"> • Streamkeeper staff and volunteers will staff a booth at a variety of public festivals, containing materials explaining our watersheds and our data. Initially, presentation materials will be static, but by the end of the project, there will also be an interactive computer-based presentation graphically displaying the data results for a particular watershed. This graphical display will include a map of the requested area and charts explaining the analysis of results. • Streamkeepers web site will be upgraded to include interactive interpretive material similar to that described above, and will promote this web site through a variety of means, both in person and through the media • Streamkeeper staff and volunteers will develop and present a computer-based presentation including similar information to a variety of community organizations. • Streamkeeper staff and volunteers will develop and present hands-on activities for children at festivals and school activities. • Streamkeeper staff and volunteers will develop and present a quarterly e-mail newsletter for interested citizens.
E.	Deliverables
	<ul style="list-style-type: none"> • Static displays (posters, flyers, etc.) for public events, showing the watersheds, Streamkeeper data, the components of a healthy watershed, local efforts to protect salmon and restore habitat, and how citizens can help these efforts. • Interactive computer program for public events, explaining basic watershed concepts and graphically linking result data with maps displaying any local watershed requested • Present the above materials at six (6) full or half-day public events • Interactive content on Streamkeepers website, similar to the interactive program for public events, with accompanying promotional campaign • Present PowerPoint show containing similar content to six (6) community groups • Present hands-on activities about watershed concepts and what our data means to twenty (20) classes of school children • Quarterly e-mail newsletter for interested citizens • Train at least 10 Streamkeeper volunteers to present outreach materials
F.	Evaluation
	<ul style="list-style-type: none"> • 500 adults and 500 children will be reached with in-person outreach activities • Basic survey questionnaire for those reached by in-person activities • Detailed evaluation to be completed by professional educators and natural-resource managers • 100 people sign up for Streamkeepers' info e-mail list • 20% increase in Streamkeepers' website traffic • 10% increase in citizens interested in attending Streamkeeper training classes in 2007

Scope of Work/Readiness to Proceed

Clallam County Streamkeepers Educational Outreach

A. Scope of Work

Major Task or Deliverable	Completed by (date)

Host Planning meetings to design content and evaluation methods	July 14, 2006
Create posters and other static display materials	September 10, 2006
Hands-on materials for 4th – 8 th graders	September 10, 2006
Create web-based presentation of basic watershed concepts combined with map interface for local data	February 1, 2007
Create computer-based interactive presentation showing basic watershed concepts combined with map interface for local data, for presentations to community organizations	March 1, 2007
Create interactive computer-based presentation similar to above, designed for our booth at public festivals	April 1, 2007
Train Streamkeeper volunteers to present the above materials	May 15, 2007

B. Readiness to Proceed

If funded, we would be ready to start this project by April 1, 2006, with major roles already defined and people ready to serve in those roles. We have already made contacts with individuals who could perform the technical work of computer programming and GIS mapping.

The design phase will take up a large part of the grant time. We anticipate that having computer-based materials completed by the Summer 2006 festivals will not be feasible. We do intend to have a booth at the upcoming festivals with our posters and other static materials. We can use the Summer 2006 festivals as a beta test for our concepts and delivery. We will also use the web-based material to beta test the content before creating the presentations for the community groups and Summer 2007 festivals. Teachers in the Sequim School District and staff at the Dungeness River Audubon Center will assist in developing the activities for the school children.

We anticipate no problems for completing all elements of the project by May 2007.

Project Personnel

Clallam County Streamkeepers Educational Outreach

Streamkeepers, a citizen-based watershed monitoring program of Clallam County's Department of Community Development, provides volunteer opportunities and project assistance in the effort to protect and restore salmon habitat and watershed health.

Streamkeepers is:

- A volunteer opportunity for all Clallam County residents interested in monitoring, protecting, and restoring streams in our own watersheds.
- A service provider for watershed planning groups and salmon habitat restoration project sponsors who need monitoring assistance on local streams.

Our program goals:

- Provide useful, credible data to local natural resource planners working to protect and restore watersheds.
- Report the information collected on a regular and timely basis.
- Perform small-scale restoration projects on local streams.
- Facilitate public involvement in stream monitoring and watershed stewardship.

Project Personnel:

Ed Chadd	Grant Manager	Co-Manager, Clallam County Streamkeepers
Cindy Swegle	Fiscal Manager	Office Manger, Clallam County Department of Community Development
Julie Slagle	Project Manager/Programmer	Streamkeeper Volunteer (would become part-time staff for this project)
Tom Shindler	GIS Consultant	GIS Coordinator, Clallam County Department of Community Development
Walt Johnson	Database designer	Streamkeeper Volunteer
	Media Consultant/Graphic Designer	

Project Partners

Clallam County Streamkeepers Educational Outreach

Clallam County Streamkeepers will lead the project. The following organizations will have representatives on our Educational Outreach Planning Committee:

Organization	Name	Title
Streamkeepers of Clallam County	Ed Chadd & Hannah Merrill	Co-managers
Streamkeepers of Clallam County	Julie Slagle	Project Manager
Streamkeepers of Clallam County	Janet Bruening, Janet Oja, Lori Schneider, Laura Costello, Jean Sigmar, Harley Oien, Don Wester	Volunteers
Beachwatchers of Clallam County	David Freed	Coordinator
Clallam Conservation District	Clea Rome	Conservation Planner
Department of Fish & Wildlife	Randy Johnson	Fish and Wildlife Biologist
Dungeness River Audubon Center	Bob Boekelheide	Director
Jamestown S'Klallam Tribe	Hansi Hals	Restoration Planner
North Olympic Land Trust	Robbie Mantooth	Chair, Communications Committee
North Olympic Peninsula Lead Entity Regional Salmon Recovery Group	Selinda Barkhuis	Coordinator
North Olympic Salmon Coalition	Audrey Miles Cherney	Restoration Steward
Sequim School District	John Bridge	4 th grade teacher – Helen Haller

The Educational Outreach Advisory Committee will meet during the design phase to coordinate content creation. We also will communicate via a discussion list set up on the Streamkeepers website. The advisory committee will assist with content suggestions for the posters, computer-based presentations, and the school activities. The committee will also evaluate the effectiveness of the completed materials during the beta test phase.

Budget and Cost Justification – Streamkeepers Educational Outreach

BUDGET

Budget Category	PIE Request	In-Kind	Total
Personnel			
Project Manager-Programmer (staff) 840 hours @ \$15 per hour	\$12,600	0	\$12,600
Grant Manager (staff) 45 hours @ \$36.46 per hour	\$1,640	0	\$1,640
Fiscal Manager (staff) 30 hours @ \$30 per hour	\$900	0	\$900
GIS Consultant (staff) 60 hours @ \$32.81 per hour	\$1,968	0	\$1,968
Media Consultant/Graphic Designer 70 hours @ \$30 per hour	\$2,100	0	\$2,100
Database Designer 40 hours @ \$30 per hour	0	\$1,200	\$1,200
Educational Advisory Committee -- 300 hours @ \$30 per hour	0	\$9,000	\$9,000
Volunteers 300 hours @ \$15 per hour	0	\$4,500	\$4,500
Equipment Computer, projector, DVD player, etc	\$7,000	0	\$7,000
Office supplies	\$200	0	\$200
Materials for displays	\$2000	0	\$2000
Indirect Costs space, equipment, utilities, staff salary/benefits		\$1,710	\$1,710
Total	\$28,408	\$16,410	\$44,818

COST JUSTIFICATION

Deliverable® Budget Category -	Static display	Inter-activeSK web-site	Inter-active program for events	School children activities	Quarterly email newsletter	Train 10 SK volunteers	Evaluation survey	Over-head (admin + indirect)	Deliverable item total
Project Mgr	1,800	1,800	1,800	1,800	1,800	1,800	1,800	0	12,600
Grant Mgr	0	0	0	0	0	0	0	1,640	1,640
Fiscal Mgr	0	0	0	0	0	0	0	900	900
GIS Consultant	492	492	492	492	0	0	0	0	1,968
Media Consultant	300	900	300	600	0	0	0	0	2,100
Equipment	0	2,350	2,350	2,300	0	0	0	0	7,000
Office Supplies	30	30	30	30	20	30	30	0	200
Materials	800	400	100	400	100	100	100	0	2,000
Indirect	0	0	0	0	0	0	0	1,710	1,710
SUBTOTAL GRANT	3,422	5,972	5,072	5,622	1,920	1,930	1,930	4,250	30,118
Database Designer	300	300	300	300	0	0	0	0	1,200
EAC	1,300	1,300	1,300	1,300	1,300	1,300	1,200	0	9,000
Volunteers	675	675	675	675	600	600	600	0	4,500
SUBTOTAL IN-KIND	2,275	2,275	2,275	2,275	1,900	1,900	1,800	0	14,700
TOTAL GRANT + IN-KIND	5,697	8,247	7,347	7,897	3,820	3,830	3,730	4,250	44,818

Appendix A

Project Personnel Description/Qualifications

Clallam County Streamkeepers Educational Outreach

Ed Chadd – grant manager

--Co-manager of Streamkeepers, Clallam County Department of Community Development
Ed co-founded Streamkeepers in 1999. In that time, he has created a broad-based volunteer stream monitoring program that has been emulated by others in the state, nation, and world; its Volunteer Handbook and Quality Assurance Project Plan were recognized as models by the WA Dept. of Fish & Wildlife in 2001.

Cindy Swegle – fiscal manager

--Office Coordinator, Clallam County Department of Community Development
Cindy has managed all financial aspects of Community Development grants for 10 years.
She has over 20 years experience in Business Administration and Accounting.

Julie Slagle – project manager/programmer

--Temporary staff, Clallam County Department of Community Development
Julie worked for 20 years as a faculty computer consultant at Pasadena City College in Pasadena, CA. She has a strong background in project management, budgeting, equipment specification and ordering. She also was responsible for tech support for specialty labs on campus and was an adjunct professor in the Computer Information Systems Department. She is a Streamkeeper volunteer and currently is assisting the irrigation ditch monitoring project.

Tom Shindler – GIS consultant

--Database & GIS coordinator, Clallam County Department of Community Development
Tom has been Clallam County Dept. of Community Development's database & GIS coordinator for more than 10 years and is one of two senior GIS staff in the County system.

Walt Johnson – database designer

--Streamkeeper volunteer
Walt is a retired computer engineer with Ford Motor Company, where he led the design team which created the first Computer-Aided Design program.

Media Consultant/Graphic Designer