Revised 4.2.19

EVOSTC HABITAT RESTORATION or ENHANCEMENT PROJECT PROPOSAL FORM

Project Number and Title

Project Number 20180117

Project Title ***Kenai Watershed Forum Stream Watch***

Primary Proposer(s) and Affiliation(s)

Branden Bornemann,
Stream Watch Program Supervisor and
Kenai Watershed Forum Executive Director

1. Executive Summary

Identify the problem the project is designed to address. Describe the background and history of the problem. If applicable, include relevant scientific literature and/or significant previous work history related to the project. Please provide overall project goals.

The Problem

Protecting and Restoring Riparian Habitat and Water Quality

On March 24th 1989, approximately 11,000,000 gallons of crude oil was spilled into the Prince William sound, affecting both natural resources and services, both concrete and intrinsic. The Kenai Peninsula, located in the northern half of this spill affected area, is home to the majority of the Exxon Valdez Oil Spill Trustee Council (EVOSTC) identified injured resources and services and one of the most popular and lucrative fisheries in the state.

Unfortunately, many of the rivers on the Kenai Peninsula still demonstrate the need for habitat protection and restoration despite previous EVOSTC restoration and protection efforts in the area. This habitat degradation is, in large part, due to the mass influx of summer anglers (350,000+) who come fish these waters. Luckily, the Kenai Peninsula's critical habitat areas are still able to be protected through conservation efforts, namely through education and restoration, to keep them intact before necessitating a full-on resource-intensive restoration effort.

Protecting and restoring healthy, lush riparian areas is an effective way to *restore and enhance the natural resources injured as a result of the oil spill and the reduced or lost services provided by such resources*, as they:

- serve as critical habitat for many EVOSTC identified resources
- provide fish friendly water quality and in-stream habitat
- ward off non-native invasive plants by increasing the competition for light, space, and nutrients
- stabilize river systems for changing hydrographs (due to climate change)
- minimize erosion and facilitates sedimentation during high flows due to the roots of native vegetation
- help filter out pollutants and aide other nutrient cycling patterns

Protecting the plants truly protects the river, and as many resources and services are directly linked to species that rely on riparian habitats, protecting the plants also serves to protect human services such as sport fishing, commercial fishing, subsistence fishing, recreation and tourism, and passive use.

Now is the time to protect the intact habitats of the Kenai Peninsula Rivers while restoring the small percentage of degrading habitats that exist in these systems. Stream Watch is a volunteer driven, peer-to-peer cold-water fisheries habitat education and protection program that is doing just that on Alaska's Kenai Peninsula.

The Project

The proposed ***Kenai Peninsula Stream Watch Program (Project)*** is a grass roots volunteer program that seeks to address EVOSTC restoration plan goals of protecting and restoring riparian habitat and water quality through a comprehensive, interdisciplinary process focused on education and restoration. The program was originally forged by a group of concerned anglers and the United States Forest Service (USFS) in 1994 to address the fish habitat degradation occurring on the Russian and upper Kenai Rivers. Since the program's inception, these original sites have experienced dramatically less fish habitat degradation, which can directly be linked to Stream Watch activities. Due to the success of these sites and a growing need at others, the Stream Watch program expanded in 2011 and again in 2018 under the umbrella of the Kenai Watershed Forum (KWF) across the peninsula. The program now encompasses two administrative agencies (USFS and KWF), three volunteer coordinators, one steering committee, 200+ volunteers, and the following 10 extreme high use fishing sites:

Northern Peninsula (USFS- Federal Funds)

- Russian River Ferry Latitude: 60°29'05.57"N Longitude: 150°00'29.51"W
- Russian River Falls Latitude: 60°27'16.70"N Longitude: 149°59'13.70"W
- Russian River Angler Trail Latitude: 60°28'57.67"N Longitude: 149°58'25.85"W

Western Peninsula (KWF – Competitive Grants)

- Centennial Park Latitude: 60°28'42.63"N Longitude: 151° 5'18.28"W
- Moose Range Meadows Latitude: 60°28'4.78"N Longitude: 150°58'3.11"W
- Bings Landing State Park Latitude: 60°30'59.34"N Longitude: 150°42'4.61"W

Southern Peninsula (KWF – EVOSTC)

- Kasilof River Mouth Latitude: 60°38'25.22"N Longitude: 151°31'05.44"W
- Ninilchik State Rec. Site Latitude: 60°02'57.60"N Longitude: 151°40'18.90"W
- Anchor River State Rec. Site Latitude: 59°77'18.22"N Longitude: 151°85'23.62"W
- Deep Creek State Rec. Site Latitude: 60°03'00.64"N Longitude: 151°68'14.88"W

Now celebrating its 25th anniversary, the Kenai Peninsula Stream Watch Program continues to follow its mission *to assist land management agencies with hands-on restoration projects and peer-to-peer education on the Kenai Peninsula* through directed volunteer labor. Volunteer activities leverage public land management efforts to *Restore Riparian Habitat and Water Quality* through coordination provided by volunteer coordinators. Overall program goals include:

- Protect riparian habitat by seasonally installing, maintaining, and removing habitat protective fencing (3+ miles in 2018).
- Protect riparian habitat by providing consistent educational messaging to river users across the peninsula to encourage river stewardship, utilizing social and print media, peer-to-peer interactions, and the maintenance of regulatory signage.

- Restore critical habitat by removing habitat endangering debris (6,000lbs in 2018) on fresh water and coastal habitats and removing fish passage barriers as they arise
- Restore riparian habitat by conducting seasonal stream bank revetment projects in conjunction with agency partners.

Kenai Watershed Forum proposes this Project as a continuation of an EVOSTC investment in 2018 and 2019. Through support of the Council, KWF expanded the program into the southern peninsula to implement this nationally recognized program at extreme-high use sites in the area. KWF is requesting a total investment of $284,642 over the next three years to continue these efforts, with a first year request totaling $102,906 (including GA of 9%). A simplified budget breakdown of this request is as follows:

	FY20	*FY21*	*FY22*	**Total Proposed**
Sub-total	$94,409	$85,195	$81,535	$261,139
GA (9%)	$8,497	$7,668	$7,338	$23,503
Total	**$102,906**	**$92,863**	**$88,873**	**$284,642**

EVOSTC can not only support existing efforts, but amplify prior investments and ensure the valuable resources that Stream Watch activities provide remain available in the Southern Peninsula. These funds will provide the resources needed to implement three seasons of protecting, restoring, and enhancing critical riparian habitat on the Southern Kenai Peninsula, covering the costs of: volunteer coordinator personnel and travel, the development and distribution of educational interpretive resources and signage, and supplementing supplies and equipment needed volunteers to accomplish the comprehensive restoration and education activities.

2. Affected Resources Benefits

Discuss how the project addresses the goals of the EVOSTC and which spill-affected resources will benefit from this project. Describe the results you expect to achieve during the project and the potential recipients of these benefits.

Affected Resource Benefits

A summary of how the Project addresses EVOSTC goals and which resources and services will benefit is provided below:

- **Meets Intent of EVOSTC Restoration Program**: The overarching stated goal of the EVOSTC Restoration Program is *the recovery of all injured resources and services, sustained by healthy, productive ecosystems to maintain naturally occurring diversity"* (EVOSTC, 1999; pg.35). The November 1994 Restoration Plan (Plan) directs the EVOSTC to invest in restoration actions that *contribute to a healthy, productive and biologically diverse ecosystem within the spill area that supports services necessary for people who live in the area*. The Plan also defines a recovered ecosystem as providing the same functions and services as would have been provided had the Spill not occurred. The proposed project addresses one of the five categories of allowable restoration activities, General Restoration, through "manipulation of the environment".

- **Meets EVOSTC Mission and Policies:** The mission of the Trustee Council is to *efficiently restore the environment injured by the Exxon Valdez oil spill to a healthy, productive, world renowned ecosystem, while taking into account the importance of the quality of life and the need for viable opportunities to establish a sustain a reasonable standard of living* (EVOSTC, 1994, pg. 11). To ensure the Project contributes to the EVOSTC mission, the Project follows the following recovery and rehabilitation program guidelines:

    - Natural Recovery: Project activities promote natural recovery by protecting and restoring critical habitat and water quality, benefitting multiple species (Bald Eagles, Sockeye Salmon, Dolly Varden, Steelhead, Rainbow Trout, Harlequin Duck, Common loons) within the spill area (Kenai Peninsula). The project helps to protect and restore critical riparian habitat, habitat connectivity, species resiliency, and ecosystem function within these watersheds, benefiting injured, recovering, and recovered species.
    - Monitoring and Research: Volunteer activities under this Project assists land management agencies by monitoring public fishing sites and contributing to marine debris research by collecting data during beach cleanups.
    - Resource and Service Restoration: Through this Project, EVOSTC identified resources and services are enhanced and increase the likelihood of recovery, including those which have economic, cultural, and subsistence value.
    - Habitat Acquisition and Protection: Critical habitat is protected through Project activities through direct education and the maintenance of habitat protection fencing. Additionally, Stream Watch activities assist in the management of previously purchased EVOSTC parcels from the Habitat Protection Program (Small Parcels Process) by the protection of nearby riparian habitat and assisting Alaska State Parks, the beneficiary of many of these parcels, by providing skilled volunteer labor.
    - Meaningful Public Participation: The Project provides meaningful public participation by recruiting, training, and supporting a cadre of 200+ volunteers to complete river stewardship activities.
    - Project Evaluation: The Stream Watch steering committee members and site liaisons convene to review program data and amend the Annual Operations Plan at the opening and close of every field season based on programmatic data and feedback from all involved. This ensures that Stream Watch activities remain relevant and leverage agency efforts as best as possible.
    - Fiscal Accountability: KWF has an operating budget of over $1 million and over 20 years of grant management experience.
    - Efficient Administration: KWF has been successfully administering the Western Peninsula Stream Watch Program since 2011 and the Southern Peninsula Stream Watch Program since 2018.

- **Meets Intent of EVOSTC Recovery Goal of Injured Resources and Services through General Restoration:** Within the EVOSTC Restoration Program there is a specific goal stating *for all recovering injured resources and services is a return to conditions that would have existed had the Spill not occurred.* Stream Watch activities directly promote the recovery of current EVOSTC injured ecological resources and human services through the following General Restoration activities:

    - *Ecological Resources:* Stream Watch activities utilize several tools of general restoration to *Restore Riparian Habitat and Water Quality,* including: removing fish passage barriers to make otherwise pristine fish habitat available; completing erosion control projects to improve water quality; removing habitat endangering debris including human waste, derelict fishing gear, trash, and monofilament line to reduce wildlife entanglement, pollution, and proliferation of micro plastics; protecting sensitive riparian habitats at extreme-high-use public access fishing sites by

educating river users of the importance of lush riparian habitats and installing and maintaining seasonal protective fencing (Ecological Resources Benefitted: Bald Eagles, Sockeye Salmon, Dolly Varden, Steelhead, Rainbow Trout, Harlequin Duck, Common loons*)*

- *Human Services:* Stream Watch activities benefit several human resources by: protecting related ecological resources; reducing human disturbance around sensitive habitat; removing a source of stress that may delay natural recovery; and providing skilled, directed volunteer labor to leverage public land management agency efforts, reliving personnel to attend to higher level projects. Specific activities include: site monitoring; the installation and maintenance of seasonal riparian plant protective fencing; cleaning up riverside and beach litter; educational and regulatory sign installation; fishing line collection and recycling; and providing riverside educational messages on fishing regulations and cold-water fish habitat protection to create life-long, knowledgeable habitat stewards. (Human Services Benefitted: Recreation and Tourism, Subsistence, and Passive Uses).

- **Enhances Previous EVOSTC Investments**: The Project ensures (and enhances) the benefits of previous EVOS habitat protection actions are fully realized and sustained. EVOSTC funded the initial expansion of the Stream Watch Program to the southern peninsula in 2018 and 2019, and this project seeks to build upon that work for the next three years (2020 - 2022).

- **Addresses criteria (as listed in the Restoration Plan) used to make decisions about General Restoration projects**:

  - Natural recovery: EVOSTC resources and services are recovering and this Project will help to enhance and sustain investments to aid in the recovery of injured species and services.
  - Value of injured resource to ecosystem and public: Implementing this Project will help restore riparian function while benefiting the overall ecological health of these watersheds. In turn, this will contribute benefits to injured and recovering resources and services including: Bald Eagles, Sockeye Salmon, Dolly Varden, Steelhead, Rainbow Trout, Harlequin Duck, Common loons Recreation and Tourism, Subsistence, and Passive Uses injured by the Spill.
  - Duration of benefits: The Project provides both short-term and long-term benefits by protecting and restoring riparian habitat through both restoration and education, respectively. Restoration efforts such as stream bank revetments and the removal of fish habitat barriers provide instant in-stream habitat for juvenile fish in the river system. Education efforts done through direct peer-to-peer interactions, interpretive signage, and meaningful public participation in stewardship activities provide long-term benefits as it helps create life-long, knowledgeable habitat stewards.
  - Technical feasibility: The Project activities are consistent with prior years (24 seasons) and can leverage existing resources, partnerships, and institutional knowledge to complete new project goals.
  - Likelihood of Success: The project has substantial agency and community support. Project partners and administrators have the knowledge and expertise to complete the project according to the design. The successful completion of 24 seasons of volunteer-driven education and restoration efforts demonstrated the Project's high likelihood of success.
  - Harmful side effects. There are no harmful side effects of the project.
  - Operations and Maintenance. The Project will supplement existing O/M costs of partner land management agencies by providing skilled volunteer labor, which further complements recent Trustee investments.
  - Single resource or multiple resource benefits. The Project has multiple resource benefits.

- Effects on human safety and health. The project will benefit human safety by educating the public of on-stream hazards (swift water safety, bear safety, and angling best practices) through direct peer-to-peer education, the development, installation, and maintenance of interpretive signage, as well as educational messages shared via public presentations and traditional and social media.
- Consistency with laws and policy. The project is consistent with Alaska laws and policy and
- Duplication. The project does not duplicate actions of other agencies. The Kenai Peninsula Stream Watch Program is guided by a steering committee made up of local, state, and federal land management agencies to ensure this does not occur.
- Leveraging: Through the Stream Watch Annual Operations Plan development process, the steering committee, administrative agencies, and volunteer coordinators identify strategic restoration activities and educational messages to leverage existing land-management agency efforts. Additionally, the Kenai Peninsula Stream Watch Program is guided by the following conservation plans to ensure activities contribute to peninsula, state, and national priorities: National Fish and Wildlife Foundation Business Plan, Kenai River Comprehensive Management Plan, National Fish Habitat Action Plan, Kenai Peninsula Fish Habitat Partnership Conservation Action Plan, and the Kenai Watershed Conservation Action Plan.
- Agency comments and support: The Kenai Peninsula Stream Watch Program has support from many land management agencies. Please see Section 8 for letters of support for this Project.

A summary of results expected to achieve during the project and the potential recipients of these benefits is provided below:

- Expected Results:
  - Address EVOSTC restoration plan goals of protecting and restoring riparian habitat and water quality through "General Restoration" techniques.
  - Conduct 10 beach cleanup "events" per summer.
  - Conduct volunteer patrols of three major coastal fishing areas of the Kenai Peninsula-Kasilof River, Deep Creek/Ninilchik River and the Anchor River three times per week.
  - Remove a minimum of 3,000 pounds of trash from our beaches per summer.

- Potential Recipients:
  - **EVOSTC IRS Resources and Services**: The Kenai Peninsula, is one of Alaska's premier destinations for both residents and out of state visitors - known for its world-class sport fishing, wildlife viewing and commercial fishing opportunities. These services were injured by the Exxon/Valdez oil spill. Both sport and commercial salmon fishing generate substantial annual income for area residents. The Project will provide benefits to recreation, tourism, commercial fishing and subsistence. Dolly Varden, Steelhead, Rainbow Trout and Pacific salmonid species will benefit from the Project. Bird species including Harlequin Duck, Common loons, Bald Eagles will benefit directly and indirectly from the protection and restoration of riparian habitat and the removal of debris and fish passage barriers.
  - **EVOSTC Partners**: Alaska State Parks, USFS, USFWS, local municipalities and other affiliated land management agencies will benefit from this Project because it provides skilled, directed volunteer labor to leverage public land management agency efforts.

3. Project Design

A. Objectives

List the objectives of the proposed project and briefly explain its importance. If your proposed project builds on recent work, provide detail on why the project needs to be continued and whether any changes are proposed. If the proposed project is for new work, explain why it is needed. Describe the anticipated final product.

B. Materials and Method(s)

For each objective listed in A. above, identify the specific method(s) that will be used to meet the objective and any prior history and results utilizing the same or similar method(s) elsewhere. Methods include appropriate protocols and any necessary staff training. If applicable, discuss alternative method(s) considered, and explain why the proposed method(s) were chosen. Attach applicable contractor, sub-contractor forms or engineer's estimates, any protocols that will be used.

C. Description of Project Area

Where will the project be undertaken? Descriptive maps and figures should be included here. Describe the project area's most important features and characteristics as they relate to the proposed project.

Objectives

This Project is a continuation of an EVOSTC investment in 2018 and 2019. Through support of the Council, KWF was able to support existing Stream Watch efforts and expand the program into the southern peninsula to address extreme high-use sites in the area. Due to the success of the program and continued need for Stream Watch activities, the overarching objective of this Project is to support Stream Watch through three additional seasons of *Restoring Riparian Habitat and Water Quality* on the Kenai Peninsula. Project goals include:

- Protect riparian habitat by seasonally installing, maintaining, and removing habitat protective fencing (3+ miles in 2018)
- Protect riparian habitat by providing consistent educational messaging to river users across the peninsula to encourage river stewardship, utilizing social and print media, peer-to-peer interactions, and the maintenance of regulatory signage.
- Restore critical habitat by removing habitat endangering debris (6,000lbs in 2018) and fish passage barriers as they arise.
- Restore riparian habitat by conducting seasonal stream bank revetment projects in partnership with agency partners.

Based on feedback from administrative agencies and the steering committee, KWF proposes the following changes for this Project:

- Support current program activities by contributing an additional $2,000 per season towards supplies and $1,500 per season towards training.
- Modify the original 5-month seasonal position to a 9-month permanent seasonal southern coordinator position in order to expand partnerships, increase critical outreach, build institutional capacity, attract highly qualified personnel, and reduce personnel turnover.
- Add time for KWF senior staff to manage program, education, and outreach materials.
- Include $20,000 of contractual expenses to develop, install, and distribute, outreach and interpretive materials to improve Stream Watch's ability to proliferate educational messages with EVOSTC support.

Materials and Methods

The Stream Watch steering committee members and site liaisons convene to review program data and amend the Annual Operations Plan (Appendix A) at the opening and close of every field season. Drawing from this strategic document, the following timeline is followed to accomplish the Project goals on a year to year basis:

- **April/May:** Volunteer Coordinator will complete volunteer recruitment (posters, presentations, press releases, etc.), coordinate large-scale projects with program partners (e.g. fish passage barrier removal) and administrative activities (update website, prepare data forms, coordinate steering committee).
- **May:** Volunteer Coordinator will complete program planning and preparation (prepare orientation and educational materials, coordinate with on-site liaisons, connect with partners, coordinate permits for large scale projects, etc.).
- **June:** Volunteer Coordinators will facilitate volunteer orientations, coordinate on-site volunteers in conjunction with fishing seasons and project needs, and staff local community events to share educational messages and recruit large scale fencing volunteers. Special projects like spruce tree revetments may also occur during this time.
- **July:** Volunteer Coordinators will coordinate on-site volunteers in conjunction with fishing seasons and project needs, and complete special projects like fish passage barrier removals.
- **August:** Volunteer Coordinators will coordinate on-site volunteers in conjunction with fishing seasons and project needs. Coordinate large-scale river clean-ups for the close of the dip net fishery.
- **September:** Coordinate on-site volunteers in conjunction with fishing seasons and project needs, staff local community events to share educational messages and complete program wrap-up and winterization. Compile Stream Watch program outcomes and complete reports to funding partners
- **October:** Prepare administrative activities for the following spring. Update online presence in preparation for the following year. Prepare and disseminate press releases for local news and other media outlets. Complete grant reporting and other applicable reports and coordinate a steering committee meeting to review previous season and plan for the upcoming season.

Volunteers will complete a variety of tasks while at program sites. Tasks include salmon habitat fence installation/maintenance per land manager's specifications, litter removal as well as providing peer-to-peer, on-river salmon habitat protection education and other salmon habitat restoration projects. Salmon habitat restoration projects are identified by land managers and may include fishing line removal, removal of fish passage barriers, revetments and/or vegetation management. Special events are coordinated to facilitate large, one-day salmon habitat projects (e.g. beach cleanups, fish passage barrier removal, stream bank revetments, etc.).

Description of Project Area

The Kenai Peninsula Stream Watch Program will continue to encompass all ten designated sites; however, this Project will focus efforts on the following locations and any specific locations on public lands as restoration opportunities arise:

- Kasilof River Mouth Latitude: 60°38'25.22"N Longitude: 151°31'05.44"W
- Ninilchik State Rec. Site Latitude: 60°02'57.60"N Longitude: 151°40'18.90"W
- Anchor River State Rec. Site Latitude: 59°77'18.22"N Longitude: 151°85'23.62"W
- Deep Creek State Rec. Site Latitude: 60°03'00.64"N Longitude: 151°68'14.88"W

Please see Appendix B for a map of the project area. This map may also be visited here: https://sites.google.com/view/kp-streamwatch/home

4. Project Management and Personnel

A. Management
List names of the Project Manager, the primary fiscal agent for this project and any other partners associated with the project. List any property owners and agency managers that will be involvement and their role(s) on the project.

B. Personnel Qualifications
The qualifications of the Project Manager and other senior personnel involved in the proposal must be provided. For each, the following information must be included. Attach 1-2-page CV(s) to the end of this document.

- A list of professional and academic credentials, mailing address, and other contact information (including e-mail address)
- A list of all persons (including their organizational affiliations) in alphabetical order with whom the person has collaborated on a project within the last four years. If there have been no collaborators, this should be indicated.

Management

This Project will be managed by the Kenai Watershed Forum (KWF), a 501(c)3 non-profit organization whose mission is *Working Together for Healthy Watersheds on the Kenai Peninsula*. With an annual budget of $1M, with more than 23 active grants and contracts from a variety of sources including local, state, and federal governments, KWF is a recognized leader among watershed organizations in Alaska and beyond. With seven permanent employees, KWF utilizes a non-adversarial approach, focusing on solutions through high quality research, education, and restoration programs to meet the evolving needs of the region. This can be seen on the water and at the conference table. KWF facilitates hard conversations on natural resource issues, as evidenced by its role in facilitating the formation of the Kenai Peninsula Fish Habitat Partnership, which has brought varying entities to the table and has received national recognition through the National Fish Habitat Partnership. KWF is proud of its nationally recognized programs including the Stream Watch program. KWF has successfully administered the Stream Watch Program in the Western Peninsula since 2011 and in the Southern Peninsula since 2018.

For this proposal, Key Project agents include:

- Bornemann, Branden: Project Manager and Stream Watch Program Supervisor
  KWF Executive Director
- Main, Alice: Western Peninsula Stream Watch Volunteer Coordinator
  KWF Stream Watch Coordinator

As the Kenai Peninsula Stream Watch is a well-established program and jointly administered by KWF and the USFS, the Project Manager will be working in tandem with USFS administrators and the Stream Watch Steering Committee. The USFS administrators are responsible for program development and implementation in the Norther Peninsula and program-wide oversight. Key agents include:

- Davis, John: Northern Peninsula Stream Watch Volunteer Coordinator
  Technician
- Glaser, Marion: USFS Stream Watch Program Supervisor and Chugach National Forest Interagency Coordinator

The Kenai Peninsula Stream Watch Program steering committee includes leaders from local, state, and federal land management agencies and are responsible for providing evaluation to the Stream Watch Annual Operations Plan. Current steering committee members include:

- Blackwell, Jack: Superintendent, Department of Natural Resources, Alaska State Parks
- Hagedorn, Ben: Manager, Department of Natural Resources, Division of Mining, Land, Water
- Loranger, Andy: Refuge Manager, US Fish and Wildlife Service, Kenai National Wildlife Refuge
- Queen, Stephanie: City Manager, City of Soldotna
- Sanchez, Francisco B: District Ranger, USDA Forest Service, Chugach National Forest

Personnel Qualifications

See Appendix C for the Project Manager's CV and list of collaborators.

5. Schedule

Project Milestones and Tasks

Milestones are the sequential steps to meet overall project objectives. For each milestone listed, specify when associated critical tasks will be completed. (EVOSTC Fiscal Year Quarters: 1st = Feb. 1-April 30; 2nd = May 1-July 31; 3rd = Aug. 1-Oct. 31; 4th = Nov. 1-Jan 31.)

Tasks are the more detailed steps to meet milestones. Specify, by each quarter of each fiscal year, when critical tasks will be completed, and when the project will be finally completed. Insert additional columns as needed for multiple fiscal years.

Reviewers will use this information in conjunction with submitted reports to assess whether the project is meeting its objectives and is suitable for continued funding if applicable.

Milestone/Task[1]	**FY20, FY21 and FY22**			
	Q1	Q2	Q3	Q4
Pre-Season Administrative Tasks				
Update Annual Ops Plan	X			
Host Pre-Season Meeting	X			
Complete agency meetings	X			
Schedule important dates / activities	X			
Inventory supplies	X			
Order supplies	X			
Recruit and Train Volunteers				
Disseminate press releases	X			
Distribute posters		X		
Present to local community groups		X		
Table at community events		X		
Advertise through media outlets		X		
Schedule volunteer trainings		X		
Complete trainings		X		
Support Volunteer Activities				
Schedule Volunteer shifts at SW sites		X	X	
Conduct on-river trainings		X	X	
Participate in volunteer activities		X	X	
Collect and process program metrics		X	X	
Reporting				
Annual Report				X
Final Report				X

[1] Milestone/Task list is consistent year to year and proposed for three consecutive fiscal years: 2020, 2021 and 2022.

6. Budget

A. Budget Summary Table.

Please provide a detailed budget for each fiscal year (for multiyear projects), including 9% GA in the Budget Workbook. Summarize funding requested for each fiscal year in the Table A below (summary table in the workbook). Add columns for additional years as needed.

B. Sources of Additional Funding

Identify non-EVOSTC funds or in-kind contributions used as cost-share for the work in this proposal. List the amount of funds, the source of funds, and the purpose for which the funds will be used. Do not include funds that are not directly and specifically related to the work being proposed in this proposal.

A. Budget Summary Table

Budget Category	FY20 (2/1/20 – 1/31/21)	FY21 +2.5% COLA (2/1/21 – 1/31/22)	FY22 +2.5% COLA (2/1/22 – 1/31/23)	**Total Proposed**
Personnel (Southern Pen.)	62,826	64,450	66,123	193,399
Travel	6,000	6,000	6,000	18,000
Contractual	15,000	5,000	0	20,000
Commodities	2,000	2,000	2,000	6,000
Pre-negotiated Indirect (10%)	8,583	7,745	7,412	23,740
Subtotal	94,409	85,195	81,535	261,139
GA (9% of subtotal)	8,497	7,668	7,338	23,503
Project Total	102,906	92,863	88,873	284,642
Other Resources (Cost Share Funds)				

B. Sources of Additional Funding

2019 Sponsors

- Alaska Brewing Company = $200 (for one sponsored beach cleanup)
- Alaska Conservation Foundation = $6000 (for one seasonal intern)
- ConocoPhillips = $5000 (for non-designated operational costs)
- Cooper Landing Chamber of Commerce = $1000 (for Volunteer Appreciation Event)
- Department of Natural Resources, Division of Land, Mining, and Water = $3000 (for travel expenses and one of three volunteer trainings)
- Kenai Peninsula Fish Habitat Partnership = $20,000 (for 1/3 of Western Peninsula Coordinator personnel)
- National Forest Foundation = $19,800 (for seasonal intern, restoration supplies, and travel for Northern Peninsula Program)
- State of Alaska = $18,000 (for 1/3 of Western Peninsula Coordinator personnel)
- United States Forest Service = $6500 (for Northern Peninsula Supplies)
- Pacific States Marine Fisheries Commission $46,000 (for coastal work related to program)

7. Literature Cited
Provide any literature cited in the proposal.

N/A

8. Project Support
Include any letters of recommendation or descriptions of community support for this project.

Please see Appendix D for letters of recommendation in support of this proposal.

Appendix A: Stream Watch Annual Operations Plan

STREAM WATCH

Volunteers Making a Difference on the Kenai Peninsula!

2019 ANNUAL OPERATIONS PLAN

Growing Strong Roots since 1994
Sustaining Healthy Rivers for the Future!

Introduction
Each year hundreds of thousands of local, national, and international visitors come to the Kenai Peninsula to enjoy world class recreational opportunities including some of the best trout and salmon fishing on the planet. To help ensure that these special places and the plentiful natural resources are not jeopardized to visitor impacts, volunteers play a critical role in assisting the partner agencies in being the hands, eyes, and ears on the ground each season. Since the creation of the program in 1994, Stream Watch has grown from only a handful of people to over 70 active volunteers who work on the Kenai, Russian and Kasilof Rivers.

Mission
Assisting agencies in hands-on river related stewardship projects and peer-to-peer education to visitors and residents of the Kenai Peninsula

Program Objectives:

- To facilitate an expansion of the highly effective volunteer program that transcends agency boundaries to protect habitat and riparian areas, cultural resources, and other natural resources of the Kenai Peninsula Rivers through peer-to-peer education and on-the-ground stewardship projects
- To develop a sustainable funding and operating model with interagency partners
- To remain as consistent as possible to the existing Russian-Kenai River program when implementing the program in other locations
- To sustain growth of 420 volunteer hours and to reach a broader need on the Kenai River
- To grow the volunteer cadre to over 1440 volunteer hours
- To expand the volunteer demographic and reach out to localized volunteers near priority locations to maximize local ownership and minimize the potential travel burden.
- To provide an enriching experience for all volunteers in a safe and supportive environment
- To utilize Stream Watch logo as the insignia on all materials for branding purposes (agency and partnership logos will not be used as a norm)

Common Interests:
It is significant that we document our agreement that this program has great potential to continue to be mutually beneficial if we continue to work together and maintain open communication and the following interests:

- Maintain political neutrality
- Maintain hands on restoration and education focus
- Maintain a common purpose throughout jurisdictions
- Foster reasonable consistency of messaging for users (anglers)
- Maintain and enhance volunteer workforce capacity

- Make transitions and growth into other areas seamless to existing volunteers
- Develop sound criteria for any expansion to new sites
- Leverage relationships, collaboration and partnerships with Government agencies, NGO's and private enterprise to sustain and promote the program.

Program Administration and Agency Partners

The Stream Watch program is jointly administered by the Chugach National Forest and the Kenai Watershed Forum and operates cooperatively with the following land managing agencies:

- US Fish and Wildlife Service, Kenai National Wildlife Refuge
- Alaska Department of Natural Resources, Alaska State Parks & Division of Mining Land and Water
- City of Soldotna
- Kenai Peninsula Borough
- City of Kenai

2019 Roles/Responsibilities

Coordinator Roles/Responsibilities:

Full-time 40hrs / week seasonal coordinators
(2) 5 month position stationed out of Soldotna (Kenai Watershed Forum), May-September
(4) 600-hour internship positions stationed out of Soldotna (Kenai Watershed Forum), May- August
(1) 5-month position stationed out of Moose Pass (USDA Forest Service), May-September

SW – Coordinators
Successfully implement Final Annual Operations and Training Plan
Recruit, train, schedule and support volunteers
Plan and facilitate volunteer orientations (authorized and supported by Supervisors)
Report program status to respective supervisors (Weekly in-season and collaborate on one end of season report for Steering Committee and supervisors)
Principle point of on-site contact with volunteers and in-season agency liaisons
Organize and participate in partnership conference calls and meetings (Orientation, Sept debrief)

Supervisor Roles/Responsibilities:

USFS - Supervisor	KWF- Supervisor
Ensure consistency among all northern peninsula program sites	Ensures consistency among all western and southern peninsula sites.
Provide support, guidance, and vision for program including recruitment, training, and volunteer activities	Collaborate with USFS on guidance and vision for program (emphasis on new sites)
Provide direct supervision to FS employees	Provide direct supervision to KWF employees
Develop SW sponsorships and raise funding for program in collaboration with KWF and other supporters	Develop SW sponsorships and raise funding for program in collaboration with USFS and other supporters
Collaborate with KWF supervisor on annual operating budget	Collaborate with FS supervisor on annual operating budget
Review and confirm preseason goals and benchmarks in collaboration with KWF supervisor - (1 pager)	Review and confirm preseason goals and benchmarks
Review and authorize draft Stream Watch Messages and Materials	
Provide regular verbal feedback and annual written evaluation to KWF supervisor	In season, provide weekly feedback to KWF coordinator and share with FS supervisor
Represent USFS at Stream Watch Events and provide leadership role	Represent KWF at Stream Watch Events and provide leadership role
Participate in partner conference calls	Participate in partner conference calls
Any issues or concerns with FS -staff from anyone, those concerns should be directed to FS -supervisor)	Any issues or concerns with KWF -staff from anyone, those concerns should be directed to KWF -supervisor)

Agency On-Site Liaisons Roles/Responsibilities:

Agency Liaisons are a critical component of the program by providing on-site expertise and assistance to volunteers and coordinators. Agency liaisons (or a delegate) are expected to communicate time-sensitive safety concerns, to provide supplies used on their lands (e.g. fencing, rope, monofilament collection tubes) and to participate during partnership calls and events as possible.

Steering Committee Roles/Responsibilities

Agency leaders/representatives meet at least twice a year to provide final approval on materials including annual operations plan, training manual, outreach materials, and radio announcements and to hold a debrief on the season with program administrators.

2019 Annual Operating Budget

Cash Funding has been secured for the above needs from the following sources:
Alaska Brewing Company, Alaska Conservation Fund, ConocoPhillips, Department of Natural Resources, Division of Land, Mining, and Water, Exon Valdez Oil Spill Trustee Council, Kenai Peninsula Fish Habitat Partnership, the National Forest Foundation, and the State of Alaska Legislature, the United States Forest Service, and private donations.

2019 Budget	
Personnel	
Northern Peninsula Coordination	$15,000
Western Peninsula Coordinator	$45,000
Southern Peninsula Coordination	$17,000
Interns (3)	$22,000
Supplies	
Ambassador Supplies	$5,300
Stewardship Supplies	$2,500
Travel	$12,000
Advertising/Outreach	$500
Events	
Volunteer Orientations	$400
Appreciation Party	$1000
TOTAL	$121,700

Known needs: Appreciation gifts, wag bags

Site Overview	Dates	Frequency	Key Messages	Tasks
Russian River Angler Trail **(USFS)**	Jun 9 – Sept 15	7 Days a Week when possible	• Proper access & habitat protection (designated trails, respect fences) • Restroom location • Bear awareness • Fish waste management • Ethical angling & regulations	Fence mending Signs Litter Education
Russian River Falls (USFS)	Jun 9 – Sept 15	1 Day a Week when possible	• Proper access & habitat protection (designated trails, respect fences) • Bear awareness • Fish waste management	Signs Litter Education
Russian River Ferry **(USFWS)**	Jun 9 – Sept 15	Every 3 days (3 hrs/visit)	• Proper access & habitat protection (designated trails, respect fences) • Restroom location • Bear awareness • Fish waste management • Ethical angling & regulations	Fence mending Signs Litter Education
Bings Landing **(ADNR/State Parks)**	Jul 15 – Sept 15	Every 3 days (3 hrs/visit)	• Proper access & habitat protection • Restroom location • Bear awareness • Fish waste management—new fish cleaning station (Do NOT block launch) • Legal parking (Towing) • Regulations (leash law)	Check in with campground host Share parking info Fence mending (along bluff, Rapids Ave, etc) Sign maintenance Litter (Rapids Ave)
Moose Range Meadows **(USFWS)**	Jun 15 – Sept 15	Every 3 days (3 hrs/visit)	• Proper access & habitat protection • Bear awareness • Fish waste management • Regulations (stay on platforms)	Fence mending Sign maintenance Litter
Centennial Park	Jul 15 – Aug 15	Every 3 days (3 hrs/visit)	• Proper access & habitat protection • Restroom location • Bear awareness (not as intense) • Fish waste management	Check in with campground host Monofilament collection Sign maintenance

(City of Soldotna)			• Handicap fishing boardwalk • Ethical angling & regulations	Litter (Day use area)
Kasilof River Mouth	Jun 15 – Sept 15	1x / week (2 hrs/wk)	• Proper access & habitat protection • Restroom location • Bear awareness • Fish waste management • Cultural resource protection • Ethical angling & regulations	Monitoring restricted dune area Documenting vandalism Litter
Ninilchik River	May 26-28, June 2-4, June 9-11, June 16 – Aug Youth Angler Days June 6th.	2x / week	• Proper access & habitat protection • Restroom location • Bear awareness • Fish waste management • Cultural resource protection • Ethical angling & regulations • Other as assigned	Trash Pickup Education
Deep Creek	May 26-28, June 2-4, June 9-11July and Aug.	2x / week	• Proper access & habitat protection • Restroom location • Bear awareness • Fish waste management • Cultural resource protection • Ethical angling & regulations • Other as assigned	Trash Pickup Education
Anchor River	May 19-21, 23, 26-28, 30, June 2-4, 6, 9-11, 13, 16-18, 20. July and Aug.	2x / week	• Proper access & habitat protection • Restroom location • Moose awareness; calving • Bear awareness • Fish waste management • Cultural resource protection • Ethical angling & regulations • Other as assigned	Trash Pickup Moose Hazards notifications Education

TRAINING

Safety/Job Hazard Analysis

Volunteers receive a mandatory in-depth training on safety protocols; effective outreach and educational messages; and bear safety and awareness. In addition to a pre-season training session, on-site orientations are also scheduled as necessary. Along with training a mandatory Job Hazard Analysis (JHA), shown in appendix A, is also signed before volunteers can begin their duties.

Training Plan

- All *new* volunteers are expected to attend one of the annual Stream Watch Orientations. Three orientations will be scheduled to accommodate volunteers for the Northern, Western, and Southern program and sites.

- All *returning* volunteers are expected to attend the afternoon of the annual Stream Watch Orientations. Three orientations will be scheduled to accommodate volunteers for the Northern, Western, and Southern program and sites.

- If volunteers are unable to attend, they will need to attend a "riverside training session" that is led by the respective Coordinator. The "riverside training session" will mirror the elements in the agenda below.

- In addition to the annual orientation, *new volunteers* will need to attend a site orientation led by the respective Coordinator. The site orientation will focus more on the day to day duties and site specific information.

- Orientations will be organized to be as consistent as possible with varying site specific information and co-led by the Stream Watch coordinators.

- Stream Watch supervisors will provide support to planning and executing the events.

- Steering Committee members and Site Liaisons are encouraged to attend if possible.

- Volunteers will be given a uniform on first day of volunteer shift and are expected to volunteer 24 hours.

- Volunteer agreements will be developed between each agency and the Kenai Watershed Forum. Coordinators will be diligent in completing all necessary documentation for agency specific needs (i.e. Volunteer agreement will be signed between the FS and the KWF with an attachment of all volunteers listed. As new volunteers sign up, all training and safety materials will be provided to the volunteer and the list attached to the agreement will be updated and sent to the FS supervisor prior to the volunteer's work shift for filing purposes).

Training Agenda:

Morning

Welcome (10am-10:30am; MG, AM)

- Staff Intros
- Housekeeping, Agenda Overview
- Program history

Site Overviews (10:30am-11:00am; JD, TT, AM)

- Northern Peninsula
- Southern Peninsula
- Western Peninsula

Day in the life (11:00am-11:30am; TT)

- Volunteer Manual
- Role/Duties/Expectations
- Data reporting
- Perks

Safety/Emergency protocols (11:30am-12:00pm; AM)

- Introduce and circulate volunteer agreement, JHA
- Emergencies
- Radio/cell communications
- Hook removal (we do not do it)
- Good Samaritan Law

Afternoon

Lunch (12:00p-12:30pm) and Returning Volunteers Arrive

- Scheduling available
- Collect JHA and volunteer agreement

Education Topics (12:30pm- 3:50pm)

- Effective Communication (20 min, AM)
- Wildlife Interactions and Bear Spray Training (45 min, MG)
- Swiftwater Awareness (20 min, JD)
- Ethical Angling and Regulations (20 min, JD)
- Leave No Trace (30 min, AM)
- Stream Ecology (1 hr, DW)

Questions and Closing (3:50pm-4:00pm; AM)

- Webpage
- Important dates
- Contact info
- Scheduling, collect nametags and adjourn

Orientation Schedule:

Training Location	Date	Time
Cooper Landing Elementary School	Saturday, June 1st	10am-4pm
Donald E. Gilman River Center	Saturday, June 22nd	10am-4pm
TBD	Saturday, June 29th	10am-4pm

Volunteer Outreach Strategy

- Provide outreach at local events (see Important Dates)
- Flyers placed in neighboring communities such as Anchorage, Cooper Landing, Seward, Soldotna, and Moose Pass.
- Post SW opportunities online through VolunteerMatch.org, Volunteer.gov, Kenai Watershed Forum link, Facebook and partner web pages.
- Coordinate at least four Stewardship work events over the course of the SW season.
- Public Service Announcements aired between June 1-Sept 1.

Volunteer Opportunities

There are two different ways volunteers can get involved with the program.

Ambassadors are trained volunteers that donate *at least* 24 hours during the summer and are provided with incentives for making the ongoing commitment to the program.

Stewardship Work Days are organized to provide volunteers an opportunity to get their feet wet during a one-day project like river clean-ups and habitat fence installation. We hope this will provide an introduction to the program that leads the volunteers into becoming a river Ambassador.

Day in the Life of a Stream Watch Ambassador

Diverse opportunities and duties exist with the Stream Watch program. Volunteers will have the opportunity to schedule work on any of the sites on the Kenai Peninsula based on their preference. The program's success has been built upon working with individuals to craft a plan to meet both the needs of the site and the abilities of the volunteers.

Volunteer Duties

- Informing the public about various topics
  - Bear Awareness, Habitat Protection, Ethical Angling, Regulations
- Mending and maintaining habitat fences
- Picking up litter and monofilament line
- Putting up and maintaining habitat protection signs

The season generally begins with our annual orientation and volunteer meet & greet. During the orientation or throughout the season, volunteers work with the coordinators to schedule time on the calendar. When scheduled, the volunteer coordinator will set a time (usually 10am) to meet at the site cache and the group will make a plan for the day. At this time, volunteers will get all the necessary equipment and tools that will be used for the day. To wrap up the day, each volunteer returns gear to the cache and fills out a report on the daily accomplishments (number of public contacts, weighs litter and documents, etc.). At the end of the season, the program gets together during a volunteer appreciation luncheon to share stories and to celebrate the end to another successful season.

Volunteer Commitment

By signing the *mandatory* volunteer agreement, volunteers agree to follow the program protocols, complete required paperwork and commit to volunteering *at least 24 hours* during the summer season. The agreement must be signed by volunteers and agency representatives before a volunteer is allowed to volunteer at Stream Watch sites. If volunteers are not able to complete the 24 hours of volunteer time, they should discuss this with the coordinator.

Scheduling

Ambassadors must schedule their time with a Stream Watch Coordinator during orientation or at least 24 hours ahead of schedule shifts. If the coordinator is not notified, they are not considered a volunteer for insurance and liability purposes. All volunteers must work in pairs for safety reasons so scheduling in advance helps with coordination.

Uniform

Ambassadors are provided with an official Stream Watch uniform. The uniform includes a Stream Watch fly-fishing shirt, a hat and a jacket. Ambassadors must wear their uniform while volunteering.

Equipment
While actively volunteering, volunteers are loaned equipment to complete program projects. Equipment is stored at the site caches as they are shared resources for all volunteers. In addition to required items (uniform, bear spray, radio, first aid kit, and contact counter) equipment and supplies may include: outreach materials, gloves, and fencing supplies.

Incentives
Volunteer Gifts
The budget for volunteer gifts is non-existent for the 2019 season. It is suggested that agencies offer the financial means to show volunteers appreciation or donated gifts be solicited from outside sources (e.g. Sportsman's Warehouse, Kenai River Sportfishing Association). The appreciation gift for existing volunteers is contingent on budget availability.

Volunteer Camping
Free volunteer camping sites have been provided by partners as an incentive to volunteers. These sites are booked through the coordinators during orientation and throughout the season. Ambassadors are expected to complete a volunteer shift each day that they camp. In addition to the shift day, volunteers are allowed one check-in and one check-out day. Sites are limited so stays are restricted to no more than 7 days per visit, with at least 7 days between visits. We hope that through fairly scheduling the sites, all volunteers will have access to camping when volunteering in these areas.

Northern Peninsula Program
Alaska Recreational Management has provided one campsite at the Russian River Campground (accommodates two RVs) and one RV site at the Russian River Ferry.

Western Peninsula Program
The City of Soldotna has provided two campsites at Centennial Park. Each site accommodates one RV.

Southern Peninsula Program
Alaska State Parks has provided campsite coupons for their Anchor Point location. The sites are on a first-come, first-served basis.

Webpage Resources
We will be launching a new public website soon! The volunteer website was set up to provide resources to assist in Stream Watch volunteer time, however, as this was not used regularly, we removed any sensitive information and are working to make these educational resources public:

Stream Watch History	Stream Watch Support	Talking Points	Fish Identification Information
Site Information	Volunteer Calendar	Fish Counts	Photographs
General Site Information	Regulations	Site Maps	Stream Watch Contacts

Important Dates
Below you will find important dates in 2019. For more information, please contact a Stream Watch Coordinator.

Event Type	Description	Date	Agency/Staff Responsible
Outreach	Movie in the Park	March 2nd	Kenai Watershed Forum
Outreach	Great Alaska Sportsman's Show	April 4-7th	Kenai Watershed Forum
Outreach	Kenai Guide Academy	April 22nd	Kenai Watershed Forum
Outreach	Kenai River Spring Cleanup	May 2-3rd	Kenai Watershed Forum
Meeting	Steering Committee Pre-Season Meeting	May 9th	USDA Forest Service
Stewardship Work Day	Fencing, MRM	May 15th	Kenai Watershed Forum
Outreach	State Parks Host Orientation	May 17th	Kenai Watershed Forum
Stewardship Work Day	Spruce Tree Revetment at Soldotna Creek	May 21st	Kenai Watershed Forum
Outreach	Cooper Landing Regatta	May 25th	Kenai Watershed Forum
Volunteer Training	Orientation @ Cooper Landing	June 1st	USDA Forest Service
Stewardship Work Day	Fencing @ Morgan's Landing	June 18th	Kenai Watershed Forum
Volunteer Training	Volunteer Orientation @ Soldotna	June 22nd	Kenai Watershed Forum
Outreach	Interpretive Walk, w/ Lucas Byker in Kenai	June 27th	Kenai Watershed Forum
Volunteer Training	Orientation/Volunteer Expo @ Homer	June 29th	Kenai Watershed Forum
Stewardship Work Day	Reed Canary Grass Workshop @ RR	July 11th	Kenai Watershed Forum
Stewardship Work Day	Trash-ercise Tuesdays @ Kasilof Beach	July 16th – August 6th	Kenai Watershed Forum
Stewardship Work Day	Lattes and Litter @ Kasilof Beach **	July 20th	Kenai Watershed Forum
Outreach	Interpretive Walk w/ ADF+G @ RR	July 25th	Kenai Watershed Forum
Outreach	Salmon Processing Workshop @ Kenai Beach **	July 27th	Kenai Watershed Forum
Outreach	Salmon Fest	August 2-4th	Kenai Watershed Forum
Stewardship Work Day	Interpretive Walk + Beach Cleanup @ Kasilof Beach	August 8th	Kenai Watershed Forum
Outreach	Interpretive Walk w/ ADG+G @ Turnagain or Anchor	August 22nd	Kenai Watershed Forum
Appreciation Event	Volunteer Appreciation Event @ TBD **	September 6th	USFS + KWF
Appreciation Event	Public Appreciation Event @ Kenai River Cleanup **	September 7th	AK Fly Fishers/USFS+KWF
Meeting	Steering Committee Meeting End of Season Debrief	September 25th	Kenai Watershed Forum

** Dates/Details subject to change

Key Contacts

Important Contact Numbers		
Emergency Contact	**911**	**As soon as practical, contact a coordinator or supervisor listed below.**
Non-Emergency Contact	Alaska State Troopers	(907) 262-4453
Volunteer Contacts		
Northern Peninsula Coordinator *Chugach National Forest*	John Davis	(907) 796-9219
Western Peninsula Coordinator *Kenai Watershed Forum* Southern Peninsula Coordinator *Kenai Watershed Forum* Stream Watch Interns *Kenai Watershed Forum*	Alice Main Tatiana Tilley Rylin McGee Katharine Gilbert Katia Galambos	(907) 398-4304; (907) 260-5449 ext. 1205 alice@kenaiwatershed.org (214) 870-5171 tatiana@kenaiwatershed.org rylin@kenaiwatershed.org katharine@kenaiwatershed.org katia@kenaiwatershed.org
Program Supervisor *Chugach National Forest*	Marion Glaser	(907) 288-7739 office (907) 519-8035 cell meglaser@fs.fed.us
Program Supervisor *Kenai Watershed Forum*	Branden Bornemann	(907) 260-5449 ext. 1206 branden@kenaiwatershed.org
Stream Watch Site Liaisons		
Bings Landing Alaska State Parks Supervisory Ranger Alaska State Parks	Tom Anthony Ranger Jacques Kosto Ranger	(907) 420-7708 tom.anthony@alaska.gov (907) 398-2441 jacques.kosto@alaska.gov

Camp Hosts for Alaska State Park Alaska State Parks Ninilchik, Anchor River and Deep Creek Alaska State Parks	Melissa Smith Ranger Jason Okuly Ranger	(907) 395-7882 melissa.smith@alaska.gov (907) 435-7595 Jason.okuly@alaska.gov
Moose Range Meadows Kenai National Wildlife Refuge	Matt Conner Visitor Services Manager	(907) 262-7021 matt_conner@fws.gov
Centennial Park City of Soldotna Kenai Beach City of Kenai	Andrew Carmichael City of Soldotna Parks Bob Frates/ Ed Bruzman City of Kenai	(907) 262-3151, (907) 714-1212 (907) 935-1949 acarmichael@soldotna.org (907) 394-2609 bfrates@kenai.city
Kasilof River Department of Natural Resources	Todd Derks Natural Resource Manager	(907) 269-8132 todd.derks@alaska.gov
Russian and Upper Kenai U.S. Forest Service	Marion Glaser, Interagency Management Coordinator	(907) 288-7739 office (907) 519-8035 cell meglaser@fs.fed.us
Agency Steering Committee		
USDA Forest Service Chugach National Forest	Francisco B. Sanchez District Ranger	(907) 288-7730 fbsanchez@fs.fed.us
US Fish and Wildlife Service Kenai National Wildlife Refuge	Andy Loranger Refuge Manager	(907) 262-7021 FAX: 866-593-6994 andy_loranger@fws.gov
City of Soldotna	Stephanie Queen City Manager	(907) 714-1240 squeen@soldotna.org

Department of Natural Resources, Alaska State Parks	Jack Blackwell Superintendent	(907) 262-5581ext. 21 jack.blackwell@alaska.gov
Department of Natural Resources, Division of Mining, Land, Water	Ben Hagedorn Manager	(907) 269-7470 ben.hagedorn@alaska.gov

Appendix A: DRAFT Job Hazard Analysis

FS-6700-7 (11/99)

U.S. Department of Agriculture Forest Service	1. WORK PROJECT/ACTIVITY Angler Education and River Stewardship	2. LOCATION Chugach National Forest	3. UNIT Seward Ranger District
JOB HAZARD ANALYSIS (JHA) References-FSH 6709.11 and -12 (Instructions on Reverse)	4. NAME OF ANALYST Marion Glaser	5. JOB TITLE Stream Watch Volunteers and Technicians	6. DATE PREPARED 2019

7. TASKS AND PROCEDURES	8. HAZARDS	9. ABATEMENT ACTIONS Engineering Controls * Substitution * Administrative Controls * PPE
Travel on roads and Highways.	**a) Collision with other vehicles;** **b)Collision with animals or objects;** **c)Running or Skidding off road;** **d)Icy and/or muddy roads;** **e) UFO's (flying objects kicked up by other vehicles e.g. rocks);** **f) Poor visibility;** **g) Backing;** **h) Clearing obstacles;** **i) Carbon monoxide poisoning.** **j) Vehicle wear/tear**	a) Drive defensively, drive at safe speeds, use seat belts, watch ahead for oncoming traffic, use lights, pull over to right and stop if vehicles following want to pass. Adjust your speed so that you are able to stop in less than 1/2 your line of sight (FSH 6709.11 section 12.4). b) Use care in tall brush and grass, clear debris from roadways rather than trying to drive over or around. c) Drive on the main roadway, avoid soft gravel shoulders, do not straddle a gravel berm or drive with wheels on berm, pull over and stop if you have to look at a map. d) Slow down! Don't drive on the road if there is potential for resource or vehicle damage. Use 4WD drive to get out of trouble, not into trouble. Consider carrying and using chains if conditions warrant. Know how to put on chains. Ask about road conditions before travelling (FSH 6709.11 section 12.33 # 1). e) Follow from a safe distance. Pull off road when oncoming vehicle is passing. f) Keep windows clean inside and out, keep dash clear. Maintain safe speeds, replace badly damaged or cracked windshields, make sure wipers are in good repair (FSH 6709.11 section 12.33 # 3). g) Try to park so that you don't have to back up to leave. Use mirrors and a spotter, if you don't have a spotter, get out to check behind your vehicle before backing (FSH 6709.11 section 12.4 # 6). i) Keep vehicle well ventilated when idling/heating by opening a window at least 6 inches (FSH 6709.11 section 12.34 # 13). j) When descending, use a lower gear to control your speed, rather than the brakes (FSH 6709.11 sections 12.34 # 9 and 12.4 # 1).

Parking	**Run-away vehicle**	Use chock blocks when parking, set parking brake, don't leave vehicle unatttended when it is running (FSH 6709.11 section 12.4 # 5).
Traveling in Wildlife Country	**Wildlife Encounters**	**Make Noises** Most bears will avoid people and leave an area when they know people are present. Making noises allows the bear to move away before a confrontation occurs. Making noise: talking, singing, whistling, yodeling, or wearing bells all help to let bears know you are coming Most bear attacks are caused when a bear is startled at close range. Anything closer than 100 yards is too close. Try to always maintain this minimum distance between you and any bear or other wildlife species (FSH 6709.11 section 53.71 #4). Never get between a cow moose and calf or sow bear and cub. **Safety in Numbers** Travel with someone else and avoid hiking at night. Stream Watch Volunteers should never take pets into the field since they can lead to encounters with bears if not specifically trained for bear/wildlife encounters. You can avoid encounters with bears by avoiding areas that they like. If you cannot avoid these areas, be extra careful when traveling through them. Bears, like you, travel on saddles, ridges, game trails and along waterways. They often rest in cool, dark, thick forest. In the Spring and early Summer, bears are often found at lower elevations along rivers. Bears love to catch and feed on spawning fish. In the Summer, bears can be found at higher elevations. Their Summer diet often consists of wild berries, thus berry pickers need to use caution. If you encounter a mother bear with cubs never put yourself between the mother and cubs. Use caution when traveling in these areas during these seasonal periods. Running away from a bear may stimulate its instinct to chase. You cannot out run a bear. Instead, stand and face the animal. Make eye contact without staring. Give the bear room so that it can avoid you. If confronted by a bear, make yourself appear larger, stand up, raise your arms and open your jacket. Yell at the bear, bang pots and pans or whatever objects you may have with you, and create general commotion.
	Bear Attacks	Bear behavior is quite variable. Research indicates that black bear attacks have been avoided or injuries reduced when the victims fought back using any means available. Throwing rocks and striking the bear with branches or camping equipment have shown to be affective. If attacked by a brown bear, try to play dead by rolling into a fetal position. If the attack continues, fight back aggressively.

Walking and Working in the field	**Falling down, twisted ankles and knees, poor footing, scrapes, blisters,cuts, lacerations**	Always watch your footing. Slow down and use extra caution around logs, rocks, and animal holes (FSH 6709.11 section 18.3). Extremely steep slopes (>50%) can be hazardous under wet or dry conditions; consider an alternate route. Wear laced boots with a minimum 8" high upper and non-skid Vibram-type soles for ankle support and traction (FSH 6709.11 section 18.21). In backcountry extra tuffs are not recommended. Be aware of how weather conditions might affect footing. Carry and maintain a first-aid kit for the field. Items may include but but should not be limited to: band-aids, sterile dressing(s), antibiotic ointment, moleskin, gloves, medical tape, and ibuprofen.
	Falling objects	Watch for falling limbs and spruce cones, and from tools and equipment carried by others. Stay out of the woods during extremely high winds (FSH 6709.11 section 22.48g # 3).
	Damage to eyes	Exercise caution when clearing limbs from tree trunks. Advise wearing eye protection. Ultraviolet light from the sun can be damaging to the eyes; look for sunglasses that specify significant protection from UV-A and UV-B radiation (FSH 6709.11 section 54.11 #2).
	Bee and wasp stings	Watch for respiratory problems. Call 911 and get person to a doctor immediately if they are having trouble breathing. Gently scrape stinger off if one is present (FSH 6709.11 section 53.61b # 5). Apply analgesic swab.
	Hypothermia	Make sure field personnel carry items necessary to respond to changing/existing weather conditions. Field gear required for this may include but should not be limited to: polar fleece pull-over or jacket, breathable rain gear (top and pants), emergency blanket, multiple methods for starting a fire (water-proof matches, lighter, etc), and sufficient extra food for at least a 48 hour period. Avoid wearing cotton clothing as it gets wet easily and once wet, is slow to dry out. Field going personnel should wear quick-drying synthetic clothing when out in the field.
Picking up Litter	**Broken glass** **Aluminum cans** **Rusty fishhooks, nails, etc.** **Hypodermic needles and articles containing blood** **Toilet paper, diapers**	Wear thick gloves. Handle trash bags carefully. Use hazardous waste bags if applicable. Thoroughly wash hands after handling trash. Leave it and let the Volunteer Coordinator know. Carry puncture-proof gloves and use them if you find hypodermic needles. Place the needle in a sharps container before disposing of it. Use a shovel or litter picker to dispose of toilet paper or diapers. Fishline may snap if pulled - use eye protection, wear gloves. If cutting line, use knives carefully. Watch footing to prevent tripping on fishline.

	Tangled fishing line **Monofilament collection tubes**	Handle fishline carefully. Be aware that hooks and sharp objects may be in the monofilament tubes(FSH 6709.11 section 39.82)
Foot Travel	**Roots on trail** **Muddy conditions-holes Slippery logs, water currents, unstable banks, stairways**	Watch for roots! Wear proper footwear, waders and wading boots, for slippery, wet surfaces. Note footing at all times (FSH 6709.11 section 18.3).
Stream Crossing	**Drowning**	A. Wear approproate wadders or dry/wet suits for stream size and river discharge B. Wear appropriate wading boots with traction soles. C. Use discression. Crossing hazard and difficulty increases at high flow levles. Do not make stream crossings when you believe it is unwise to do so. D. Use a walking staff for balance. E. Always have a partner. F. Take backpack off your back and carry it across the stream. G. If swept away by current, keep feet in fron of you (downstream) and at the surface to prevent being impinged "foot stuck" on rocks of logs. Paddle in a oar type motion with arms unitl you reach shallow water. H. Read JHA for hypothermia nad know recovery methods.
Light Maintenance Duties	**Rebar tops not capped** **Metal/Wood Splinter**	Wear gloves, eye protection, ear plugs, proper clothing. Be aware of sharp edges on fencing and rebar. Use caution when working with metal or wood.
Working in Pairs Policy	**Injury**	Employees or volunteers may not work alone in bear country without prior approval from the Land Manager (District Ranger, Refuge Manager, State Park Ranger) (SRD Safety and Health Plan 2005 pg 15). Teams of two or more are required.

Aerosol Defensive Sprays	**Carrying and transporting bear spray into the field**	Only employees and volunteers who have been properly trained in the use of bear spray will be allowed to carry sprays into the field. A refresher course is required every 2 years (FSH 6709.11 section 51.32 # 4). Every volunteer or staff must carry bear spray while working on the river and associated trail systems. Bear spray may be transported in U.S. Department of Agriculture owned, leased, or contracted motor vehicles provided they are stored in an approved safety container i.e. cozy tote (FSH 6709.11 section 51.33 # 3).
Emergency Evacuation Procedures (EEP)	**Moving injured personnel in the field**	Call 911 and follow directions from dispatch. Check the victim for injuries. Pay particular attention to the neck and head region. If in doubt, make sure the neck is stabilized before attempting to move the injured party. For ground transportation, have the shortest, safest evacuation routes identified, but be aware of changing conditions in the field. The shortest route may not always be the safest. If helicopter evacuation is necessary, be prepared to provide the following information: location (GPS: latitude, longitude), radio frequency, local hazards such as power lines or natural obstuctions (trees, rocks, etc.), weather conditions (wind speed, direction, visibility, temperature), topography (elevation, slope ridge top, etc.), and the number of persons to be transported and their estimated weight. When contacting emergency personnel, be sure to describe the nature of the accident or injury (avoid using the victim's name), and the type of assistance needed. If Injured person can be moved they will need to be taken up into campground for ground or air transport. If unable to move injured person then someone should be in campground to lead emergency personnel to the injured party. If cell phone is available dial 911 for emergency personnel, otherwise call dispatch on radio and have them call 911. Give dispatch location of victim in campground or location of third party to lead EMS down on the river to injured party.

10. Line Officer Signatures	**11. Title**	**12. Date**

13. Volunteer Signatures	**14. Date**	**Mileage**

13. Volunteer Signatures	14. Date Mileage

Appendix A. Stream Watch Sponsorship Policy

Program Sponsorship Level

>$8,000 (cash or in-kind)

- Kenai Watershed Forum Newsletter – logo, 10,000 printed and distributed across the Kenai Peninsula
- Recognition on various social media platforms – Stream Watch, Kenai Watershed Forum, and Chugach National Forest Facebook
- Banner spot and special recognition at the celebration event, including logo on VIP invitations
- Public recognition at Stream Watch orientation events
- Logo on Stream Watch Program websites
- Mention as a 2019 Stream Watch program sponsor press releases, media, radio interviews, etc.
- Other opportunities as they arise

$5,000 (cash or in-kind)

- Kenai Watershed Forum Newsletter – logo, 10,000 printed and distributed across the Kenai Peninsula
- Recognition on various social media platforms – Stream Watch, Kenai Watershed Forum, and Chugach National Forest Facebook
- Banner spot and special recognition at the celebration event, including logo on VIP invitations
- Public recognition at Stream Watch orientation events
- Mention as a 2019 Stream Watch program sponsor on website, press releases, media, radio interviews, etc.
- Other opportunities as they arise

$1,000 (cash or in-kind)

- Kenai Watershed Forum Newsletter – name, 10,000 printed and distributed across the Kenai Peninsula
- Recognition on various social media platforms – Stream Watch, Kenai Watershed Forum, and Chugach National Forest Facebook
- Public recognition at Stream Watch orientation events
- Other opportunities as they arise

$500 (cash or in-kind)

- Kenai Watershed Forum Newsletter – name, 10,000 printed and distributed across the Kenai Peninsula
- Recognition on various social media platforms – Stream Watch, Kenai Watershed Forum, and Chugach National Forest Facebook

Appendix B: Map of Project Area

Stream Watch Ambassador Sites

Northen Peninsula

- Russian River Campground
- Russian River Falls
- Russian River Ferry

Western Peninsula

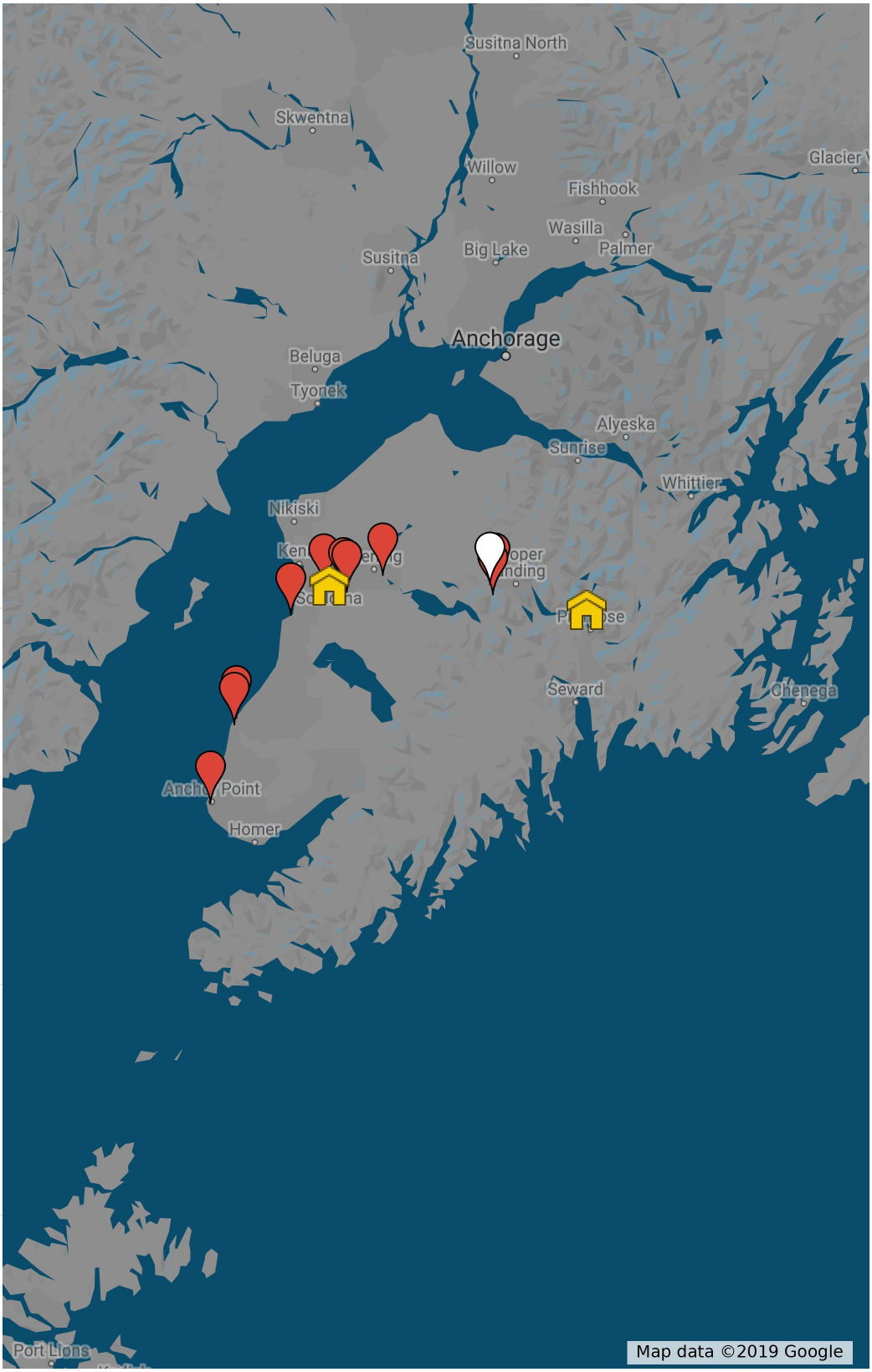
- Kasilof River
- Centennial Park
- Moose Range Meadows (West)
- Moose Range Meadows (East)
- Bings Landing

Southern Peninsula

- Ninilchik State Recreation Site
- Deep Creek State Recreation Site
- Anchor River State Recreation Site

Offices

- Kenai Watershed Forum
- Forest Service Seward Ranger District



Digital Version Available: https://sites.google.com/view/kp-streamwatch/home

Appendix C: Project Manager CV and List of Collaborators

Branden Bornemann

44129 Sterling Highway, Soldotna AK 99669, (907) 260-5449, branden@kenaiwatershed.org

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RECENT EMPLOYMENT HISTORY

EXECUTIVE DIRECTOR – ***Kenai Watershed Forum;*** Soldotna, AK
July 2018 – Present
ENVIRONMENTAL SCIENTIST **– *Kenai Watershed Forum;*** Soldotna, AK
June 2011 – July 2018

Duties

- Generating and managing $2 million in new business through leveraging of existing relationships, prospecting, and leading multifaceted projects.
- Personally and professionally educating diverse audiences about KWF's mission and activities in a variety of setting including local, state, tribal and federal governments and scientific symposia.
- Maximizing project performance for seven full-time staff and seven seasonal-staff through motivational people management, sustainable judgement, and cost control.
- Identifying and developing sustainable relationships with key partners and potential supporters at both strategic and tactical levels.
- Driving and managing complex, technical projects: targeting funders, identifying sustainable solutions, executing, and reporting on a wide-range of project performance metrics.

ADJUNCT PROFESSOR **– *University of Alaska, Kenai Peninsula College;*** Soldotna, AK
August 2012 – May 2017

Duties

- Developed and implemented core University of Alaska curriculum material for an Introduction to Physical Geology course for 10-24 university students.
- Successfully managed a classroom of diverse backgrounds and ages.
- Creatively advanced course objectives with lecture and laboratory material.
- Continuously developed course subjects to address their real-world applications.
- Lead groups of students on environmental field trips throughout Southcentral Alaska.

ACADEMIC QUALIFICATIONS

December 2009 – ***University of North Dakota***

- MASTER OF ENVIRONMENTAL MANAGEMENT - ***Earth System Science and Policy***

May 2007 – ***University of North Dakota***

- BACHELOR OF SCIENCE – ***Environmental Geography***
- ASSOCIATE OF ARTS, ***Recreation and Tourism Services***

LIST OF COLLABORATORS

Anthony, Tom; DNR State Parks
Blackwell, Jack; DNR State Parks
Carmichael, Andrew; City of Soldotna
Conner, Matt; Kenai National Wildlife Refuge
Davis, John; Chugach National Forest
Derks, Todd; DNR
Frates, Bob; City of Kenai
Gates, Jenny; ADF&G
Glaser, Marion; Chugach National Forest
Hagedorn, Ben; DNR, Division of Mining, Land, Water
Johnson, Tom; ADF&G
Kosto, Jacques; DNR State Parks
Labenski, Jesse; Chugach National Forest
Loranger, Andy; Kenai National Wildlife Refuge
McLain, Alex; Chugach National Forest
Nelson, Dawn; Kenaitze Indian Tribe
Okuly, Jason; DNR State Parks
Ostrander, Paul; City of Kenai
Queen, Stephanie; City of Soldotna
Rhymer, Tom; ADF&G
Sanchez, Francisco; Chugach National Forest
Smith, Melissa; DNR State Parks
Todd, Joel; City of Soldotna

Alice Main

44129 Sterling Highway, Soldotna AK 99669, (907) 260-5449, alice@kenaiwatershed.org

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RECENT EMPLOYMENT HISTORY

STREAM WATCH COORDINATOR – ***Kenai Watershed Forum;*** Soldotna, AK
April 2017-Present
INTERN **–** ***Kenai Watershed Forum;*** Soldotna, AK
May 2016-August 2016

Duties

- Protecting the natural and cultural resources of the Kenai, Russian and Kasilof Rivers through on and off river education and hands-on projects.
- Recruiting and training volunteer ambassadors on program messaging such as bear safety, ethical angling, stream ecology, and leave no trace.
- Supporting all logistical volunteer needs (i.e. scheduling, organizing events, grant reporting) and facilitated on the ground volunteer activities (e.g. river protection fence installation, litter pick-ups, fishing line collection container installation) through a myriad of partnerships.
- Recruiting, training, and supervising seasonal interns.
- Maintaining and calibrating field equipment.
- Organizing outreach, stewardship events throughout the Kenai Peninsula.

RESTORATION WORKER **–** ***Parks Canada, Waterton Lakes International Peace Park;*** Waterton, AB
April 2014 – September 2014

Duties

- Obtained Assistant Applicator certification, Bear Aware training, Standard First Aid, asbestos training, and utilized class 5 driver's license to operate government vehicles
- Sprayed and physically removed invasive weeds from the Park
- Utilized GPS and tablet device to spatially track weed removal
- Collected whitebark pine data in remote areas for a long-term study utilizing GPS, map, and compass
- Maintained and operated mechanical and hand tools and chemical applicators in a safe manner

ACADEMIC QUALIFICATIONS

April 2017 - ***Dalhousie University***

- BACHELOR OF SCIENCE - ***Department of Environmental Science***
- BACHELOR OF SCIENCE - ***College of the Environment, Sustainability and Society***
- ENVIRONMENTAL IMPACT ASSESSMENT CERTIFICATE, ***Department of Environmental Science***
- GEOGRAPHIC INFORMATION SYSTEMS CERTIFICATE, ***Department of Environmental Science***

Appendix D: Letters of Recommendation

United States Department of the Interior

KENAI NATIONAL WILDLIFE REFUGE
P.O. Box 2139
Soldotna, Alaska 99669-2139
(907) 262-7021

IN REPLY REFER TO:
19012ajl

April 26, 2019

Exon Valdez Oil Spill Trustee Council
Attn: Elise Hsieh
4230 University Dr #220,
Anchorage, AK 99508

Dear Trustee Council and Staff:

This letter is to endorse and express our support for Stream Watch program in regard to their proposal for additional funding. The Kenai National Wildlife Refuge (Refuge) strongly supports the Stream Watch program as a volunteer driven, peer-to-peer salmon habitat protection program that is making a difference on the Kenai Peninsula, and which has been a great assistance to the Refuge in delivering our conservation mission. As supporters of this program, Refuge staff work with Stream Watch program coordinators and volunteers to plan, oversee and implement riparian habitat protection and visitor education projects and activities along the Kenai River within the Refuge.

Each summer season Stream Watch staff provide the training and logistical support to recruit dedicated individuals to complete salmon habitat protection projects including the installation and maintenance of riparian protection fencing, removal of fish passage barriers and completion of river clean-ups to conserve and restore fish habitat for the future. In addition, Stream Watch ambassadors deliver conservation education to thousands a visitors annually, thereby substantially amplifying outreach efforts of multiple state, municipal and federal agencies involved in resource protection and public lands management on the Kenai Peninsula, including the Refuge.

The great accomplishments of the Stream Watch program notwithstanding, the program's potential to educate more visitors by expanding outreach, education and interpretation initiatives and expand habitat restoration efforts to multiple Kenai Peninsula watersheds and anadromous streams is an exciting possibility that we hope you will consider supporting.

Again, we see significant value in this highly successful and proven salmon habitat stewardship and conservation education program and want to see the program continue and expand into the future. Stream Watch activities support and complement the Refuge's mission and that of the

U.S. Fish and Wildlife Service and many other agencies. We very much look forward to continued collaborative efforts with the Stream Watch program in river protection and stewardship education.

Sincerely,

Andy Loranger
Refuge Manager
Kenai National Wildlife Refuge
andy_loranger@fws.gov
907-260-2804

THE STATE of ALASKA
GOVERNOR MICHAEL J. DUNLEAVY

Department of Natural Resources
DIVISION OF PARKS & OUTDOOR RECREATION
KENAI/PRINCE WILLIAM SOUND REGION

P.O. Box 1247
Soldotna, AK 99669
Main: 907.262.5581
Fax: 907.262.3717

August 12, 2019

Exxon Valdez Oil Spill Trustee Council
Attn: Elise Hsieh
4230 University Dr. #220
Anchorage, AK 99508

Dear Trustee Council and Staff:

This letter is to endorse and express support for the Kenai Watershed Forum's Stream Watch program in regard to their proposal for EVOSTC funding. Alaska State Parks strongly supports the Stream Watch program as a volunteer driven, peer to peer salmon habitat protection program that is making a difference on the Kenai Peninsula, and which has been a great assistance to State Parks in delivering our conservation mission. As supporters of this program, our staff works with Stream Watch program coordinators and volunteers to plan, oversee and implement riparian habitat protection and visitor education projects and activities within the Kenai Peninsula state parks.

The Kenai Watershed Forum's Stream Watch program has helped support the management and operations of the Kenai Peninsula state parks. Stream Watch has provided volunteers and oversight to protect critical riparian habitat along the Kenai and Anchor Rivers by installing fencing and signs which helps direct public access. This is a very important, but time consuming task which requires many people to accomplish. In addition, Stream Watch also provides educational and outreach efforts in the state parks which encourage public compliance with important regulations designed to conserve natural resources.

Again, we see significant value in this highly successful and proven salmon habitat stewardship and conservation education program and want to see the program continue and expand into the future. Stream Watch activities support and compliment Alaska State Parks' mission and that of many other agencies. We very much look forward to continued collaborative efforts with the Stream Watch program in resource protection and stewardship education.

Sincerely,

Jack Blackwell
Superintendent

Forest Service

Alaska Region
Chugach National Forest

33599 Ranger Station Spur
Seward, AK 99664
Phone: (907) 288-7756
Fax: (907) 288-2002

Subject: Letter of Support for Kenai Watershed Forum

To: Exxon Valdez Oil Spill Trustee Council

Dear Exxon Valdez Oil Spill Trustee Council,

This letter is to express my support of the Stream Watch Volunteer Program managed in partnership by the Kenai Watershed Forum and the Chugach National Forest. Stream Watch is an award-winning program which has assisted agencies in protecting river habitat for over 25 years. This program engages youth and volunteers in river stewardship projects on the Kenai Peninsula. Currently, we have over 60 dedicated volunteers. These individuals contribute over 1200 hours to resource protection projects while educating more than 4500 river users and removing up to 2500 lbs. of litter annually.

Stream Watch volunteers provide support to agencies at high-use angling sites such as the confluence of the Kenai and Russian Rivers. These rivers provide habitat for one of North America's largest sockeye salmon runs. It is estimated that as many as 150,000 visitors come from all over the world to fish at this location. Due to the intense angling pressure, habitat protection is a constant challenge. Although the Chugach National Forest has made great improvements to recreation infrastructure, additional measures are required. This includes the annual installation, maintenance and removal of over three miles of streambank protective fencing. Without these efforts, constant trampling by anglers would cause stream bank erosion and a reduction in salmon runs as juvenile fish habitat was diminished.

The Kenai Watershed Forum is seeking funding to maintain this successful program which fills a critical need on the Kenai Peninsula. This grant will help to relieve/leverage agency efforts by funding a volunteer coordinators to oversee the stewardship projects as well as the purchase of necessary supplies. The outcome of this program will be to empower local youth and volunteers to take an active role in ensuring healthy river ecosystems and sustainable recreation opportunities.

Sincerely,

Francisco Sanchez
For District Ranger

Appendix E: Project Photos

2019 Stream Watch orientation in Soldotna.

2019 bear spray and safety training for Stream Watch volunteers.

“Sally the Sustainable Salmon” holding over 500 lbs of collected fishing line at Salmonfest.

2018 clean-up on Kasilof Beach.

Stream Watch ambassador provides educational information along the river.

Stream Watch partners with Wildwood Correctional Complex for a beach clean-up.