

Introduced by: Mayor
Date: 04/17/01 & 05/01/01
Action: Postponed until 05/01/01
Action: Adopted as Amended
Vote: 7 Yes, 0 No, 2 Absent
Date: 05/01/01

**KENAI PENINSULA BOROUGH
RESOLUTION 2001-041**

**A RESOLUTION APPROVING PROJECTS FOR COASTAL IMPACT ASSISTANCE
PROGRAM GRANT FUNDS FOR THE YEAR 2001**

WHEREAS, a Coastal Impact Assistance Program (CIAP) was established by Congress and passed into law in 2001; and

WHEREAS, the purpose of the CIAP is to provide a one-time distribution of \$150 million to oil producing states to mitigate the effects of offshore oil and gas development; and

WHEREAS, eligible recipients of CIAP funds in Alaska are those communities that participate in the Alaska Coastal Management Program, which includes the Kenai Peninsula Borough; and

WHEREAS, eligible Boroughs and Coastal Districts are required to submit a list of approved projects to the Alaska Division of Governmental Coordination by May 7, 2001; and

WHEREAS, the State of Alaska will adopt a state plan to receive and expend CIAP funds and must submit its plan to the Secretary of Commerce by July 1, 2001; and

WHEREAS, the assembly finds it is in the best interest of the Kenai Peninsula Borough to participate in the Coastal Impact Assistance Program;

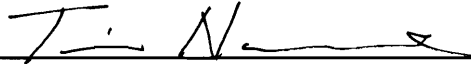
NOW, THEREFORE, BE IT RESOLVED BY THE ASSEMBLY OF THE KENAI PENINSULA BOROUGH:

SECTION 1. That the Kenai Peninsula Borough projects shown in the document titled "Kenai Peninsula Borough, 2001, Coastal Impact Assistance Programs dated May 1, 2001," incorporated herein by reference, are hereby established as the approved and prioritized projects for the 2001 CIAP funds.

SECTION 2. That a copy of this resolution and accompanying project approval list shall be provided to the State of Alaska, Division of Governmental Coordination.

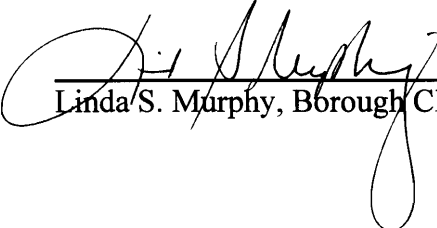
SECTION 3. This resolution becomes effective immediately upon its adoption.

ADOPTED BY THE ASSEMBLY OF THE KENAI PENINSULA BOROUGH THIS 1ST DAY OF MAY, 2001.

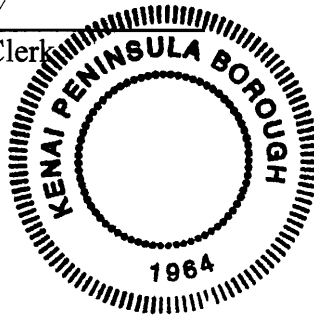


Timothy Navarre, Assembly President

ATTEST:



Linda S. Murphy, Borough Clerk



Kenai Peninsula Borough
2001



Coastal Impact Assistance Program

May 1, 2001

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Overview of Coastal Impact Assistance Program

Also known as CARA or CARA “lite”, this program provides a one-time distribution of \$150 million to oil producing states. The purpose of the program is to mitigate the effects of offshore oil and gas development. The office of Ocean and Coastal Resource Management will administer the Coastal Impact Assistance Program (CIAP), and will provide guidance for states and eligible political subdivisions to participate in the program.

The Kenai Peninsula Borough will be a recipient of CIAP funds because we participate in the Alaska Coastal Management Program (ACMP) through the adoption of our own coastal management program. These funds would not be available if we did not participate.

The state of Alaska will receive roughly \$12.8 million, with \$4.5 million of this going to the 18 eligible boroughs and coastal service areas. It is estimated that the Kenai Peninsula Borough will receive somewhere between \$100,000 to \$200,000. No local match is required. Funding to local jurisdictions is based on the following formula:

- 25% allocated based on coastal population
- 25% allocated based on coastline miles; and
- 50% allocated based on relative distance from any outer-continental shelf leased tract.

Examples of authorized uses that Coastal Impact Assistance funds may be utilized for include:

- ✓ Conservation, restoration, enhancement or protection of coastal or marine habitats including wetlands, estuaries, and coastal fishery resources;
- ✓ Protection, restoration and enhancement of coastal water quality including the reduction or monitoring of coastal polluted runoff or other coastal contaminants;
- ✓ Addressing watershed protection or other coastal or marine conservation needs that cross-jurisdictional boundaries;
- ✓ Assessment, research, mapping and monitoring of coastal or marine resources and habitats;
- ✓ Addressing coastal conservation needs associated with seasonal or otherwise transient fluctuations in coastal populations;
- ✓ Protection and restoration of natural coastline protective features, including control of coastal erosion;
- ✓ Assistance to local communities to assess, plan for and manage the impacts of growth and development on coastal or marine habitats and natural resources;
- ✓ Projects that promote research, education, training and advisory services;
- ✓ Projects and activities for the conservation, protection or restoration of wetlands; and
- ✓ Implementation of Federally approved marine, coastal or comprehensive conservation management plans.

Because both the State and the Borough are under extreme time constraints, a very aggressive schedule was developed. The State must submit their plan of action to the Secretary of Commerce by July 1, 2001. The Borough must submit its plan/proposal to

the State by May 7, 2001. To meet these deadlines the following accelerated schedule was implemented:

March 13, 2001 – Assembly Land Committee receives briefing on CIAP, and time constraints.

April 17, 2001 – Update to Assembly Land and Finance Committee's. Introduction of Resolution and public hearing.

April 23, 2001 – Planning Commission public hearing.

May 1, 2001 – Assembly hearing and vote on Resolution.

Overview of Project Rank and Cost

The development of a list of suitable projects was initiated by a group of resource professionals. These professionals included representatives from the Borough, the State, Federal agencies and from non-profit organizations. A brainstorming session was held and 25 projects were identified.

To fairly evaluate projects, and to ensure that the projects met the requirements of the CIAP program, criteria were developed. Below is a listing of the criteria that were used to evaluate each project:

- 1) The project demonstrates a clearly articulated need or application
- 2) The project leverages other funding
- 3) The project does not qualify for other funding
- 4) The project satisfies the purpose of the CIAP
- 5) The project has regional impact/considerations
- 6) The project can be completed
- 7) The project builds on previous work
- 8) The project is time critical/requires immediate action

Criteria were weighted, applied to the projects, and the projects were scored. The nine (9) projects that scored the highest are described in this document and are shown in the table below. All of the nine meet grant criteria and are eligible for funding.

<u>PROJECT</u>	<u>RANK</u>	<u>COST</u>
50/50 Cost Share	1	\$40,000
KRC Bank Stabilization	2	\$50,000
Stewardship Fee Fund	3	\$10,000
Port Graham Flood Plain Mapping	4	\$3,400
Dip Net Education/Enforcement	5	\$16,000
Property Owners Guide	6	\$20,000
Hydro Carbon Monitoring	7	\$12,000

Willow Guide	8	\$2,500
Tsaltshi Trail Improvements*	9	\$10,000
Shooting Sports Center*	10	\$10,000
Youth Conservation Corps*	11	\$10,000
<u>Anchor River FP Mapping</u>	<u>12</u>	<u>\$140,000</u>
TOTAL		\$323,900

** These projects were identified in the public input stage of the Kenai Peninsula Borough CIAP grant process, and were not part of the project evaluation phase outlined above.*

Project Descriptions and Supporting Materials

The following section includes a detailed project and budget description for each of the Kenai Peninsula Borough's approved projects. The format of the descriptions are consistent with the requirements of the Coastal Impact Assistance Program. In some cases, supporting materials are included with the project descriptions.

Coastal Impact Assistance Program Detailed Project and Budget Description

Project Title: 50/50 Cost Sharing for Bank Restoration & Stabilization
Total Project Budget: \$40,000
Borough/CRSA: Kenai Peninsula Borough
CIAP Contact: John Czarnecki
Mailing Address: 514 Funny River Road, Soldotna, AK 99669
Telephone: 907-260-4882 Fax: 907-260-5992 E-mail: jczarn@borough.kenai.ak.us
Date: March 23, 2001

Describe the project in a one or two paragraph abstract (you may attach up to two pages of background and additional detail, if necessary):

This project provides matching funds for bank restoration and protection projects on anadromous streams. It expands the Alaska Department of Fish and Game 50/50 program for Kenai River Watershed anadromous streams to over 20 additional streams in the Kenai Peninsula Borough. Individual projects must protect, restore or promote good fish habitat on private riverfront properties. Upon approval, the Kenai Peninsula Borough will pay up to 50% (or \$1,000, whichever is less) of the total fish habitat improvement project costs.

This project will encourage improvements in the riparian zone. This transitional area provides important fish and wildlife habitat and plays a major role in the hydrology of the watershed by helping to control floods and erosion. A healthy riparian zone maintains water quality by absorbing nutrients, accumulating and stabilizing sediments and removing heavy metals and pollutants that result from urban development.

Examples of individual projects that would be funded under this program include: bank stabilization techniques (root-wads, spruce tree revetments, brush layering, live siltation, coir logs, etc.), construction of light-penetrating walkways, protection of existing bank vegetation, revegetation of eroded banks, and the removal of structures detrimental to salmon habitat such as jetties and bulkheads.

Explain how the project identified above is consistent with at least one of the uses authorized by the CIAP. For information on the types of projects authorized under the CIAP, see page 3. If the project involves infrastructure or public service needs, explain how the project mitigates the environmental effects of Outer Continental Shelf activity:

The 50/50 cost share program to restore and protect stream banks is consistent with several of the authorized uses of the Coastal Impact Assistance Program. It restores and enhances habitat, and directly benefits coastal fishery resources and water quality. In addition, this program will mitigate the impacts of growth and development of riverine resources, and the increased fishing pressure from seasonal and transient users.

Was this project approved by the local governing body or CRSA board? Yes No
If yes, how was it approved? The project was approved by the Kenai Peninsula Borough Assembly through the adoption of Resolution 2001-041. A copy of the Resolution is attached for your review.

What is the time frame for the project? One year Two years _____

PROJECT BUDGET

Category	Amount
Personnel	
Travel	
Equipment	
Supplies	
Contractual	\$40,000
Construction	
Other	
Total	\$40,000

Send to: Lisa Weissler Division of Governmental Coordination P.O. Box 110030 Juneau, AK 99811-0030
Send by: May 7, 2001

Coastal Impact Assistance Program Detailed Project and Budget Description

Project Title: Kenai River Center Bank Restoration
Total Project Budget: \$50,000
Borough/CRSA: Kenai Peninsula Borough
CIAP Contact: John Czarnecki
Mailing Address: 514 Funny River Road, Soldotna, AK 99669
Telephone: 907-260-4882 Fax: 907-260-5992 E-mail: jczarn@borough.kenai.ak.us
Date: March 23, 2001

Describe the project in a one or two paragraph abstract (you may attach up to two pages of background and additional detail, if necessary):

This project aims to restore a severely eroded bank along the Kenai River at the site of the Kenai River Center. The multi-agency Kenai River Center promotes sound river management principles through its regulatory programs, and stewardship of public and private lands and water through environmental education. Because the River Center supports these substantial and diverse roles, it is important that the site be available as a demonstration area for the application of environmentally sound riverbank restoration and stabilization practices.

This project would involve a variety of tasks to include: installation of elevated light penetrating walkways, ramps and stairs for river access, bio-engineered bank stabilization measures (coir logs, spruce tree revetments, root-wads, etc.), and interpretive displays describing the techniques and applications of bank restoration. This project will be funded by multiple grants with multiple resource agencies and non-profit organizations collaborating.

Explain how the project identified above is consistent with at least one of the uses authorized by the CIAP. For information on the types of projects authorized under the CIAP, see page 3. If the project involves infrastructure or public service needs, explain how the project mitigates the environmental effects of Outer Continental Shelf activity:

The restoration of the riverbank and development of educational displays at the Kenai River Center is consistent with several CIAP authorized uses. This project conserves, restores and enhances coastal water quality, habitat, and fishery resources through the improvement and rehabilitation of the eroding bank. The project encourages sustainable fisheries, and promotes education, research and information dissemination to the public and resource agencies. This project also provides a "hands-on" tool for seasonal and transient populations to learn proper bank stabilization, and stewardship of coastal and riverine resources.

Was this project approved by the local governing body or CRSA board? Yes No
If yes, how was it approved? The project was approved by the Kenai Peninsula Borough Assembly through the adoption of Resolution 2001- 041. A copy of the Resolution is attached for your review.

What is the time frame for the project? [] One year [] Two years [] _____

PROJECT BUDGET

Category	Amount
Personnel	\$2,000
Travel	
Equipment	\$3,000
Supplies	\$5,000
Contractual	\$40,000
Construction	
Other	
Total	\$50,000

Send to: Lisa Weissler
Division of Governmental Coordination
P.O. Box 110030
Juneau, AK 99811-0030

Send by: May 7, 2001

Coastal Impact Assistance Program Detailed Project and Budget Description

Project Title: Conservation Easement Landowner Assistance / Stewardship Fee Fund
Total Project Budget: \$10,000
Borough/CRSA: Kenai Peninsula Borough
CIAP Contact: John Czarnecki
Mailing Address: 514 Funny River Road, Soldotna, AK 99669
Telephone: (907) 260-4882 Fax: (907) 260-5992 E-mail: JCzarn@borough.kenai.ak.us
Date: April 2, 2001

Describe the project in a one or two paragraph abstract (you may attach up to two pages of background and additional detail, if necessary):

In 1996, Kachemak Heritage Land Trust (KHLT) created the Bondurant Fund with a donation from Soldotna residents Robert and Dale Bondurant. This fund is a restricted fund intended specifically to "hold and generate funds to help financially limited landowners meet the stewardship contribution request associated with a conservation easement." Since 1989, KHLT has worked with willing landowners to preserve, for public benefit, land with significant natural, recreational or cultural values across the Kenai Peninsula. The tool we most often use is called a conservation easement. A conservation easement is a permanent legal agreement between a landowner and the land trust that limits jointly specified, high-impact development in order to preserve important natural values in perpetuity. Every qualified conservation easement is required by KHLT policy and by the IRS to have stewardship funds set aside to cover monitoring and enforcement in perpetuity.

Occasionally, the costs associated with completing a conservation easement are difficult or impossible for the landowner to bear. Conservation easement donors are often elderly and have limited incomes. Every landowner we work with cares tremendously about their land, the community's quality of life and the economic future of the peninsula. A \$10,000 infusion into the Bondurant Fund would extend our ability to help owners of significant property cover the costs necessary to place conservation easements on their land. We estimate \$170.00 per acre to pay for conservation easements, including a pre-determined stewardship amount, a title report, creation of a baseline documentation report, our standard service fee and future legal defense of the easement. This fund is similar to the KPB 50:50 Cost Share Program in that it provides incentive for the voluntary conservation of resources, but goes beyond in that it encourages landowners to preserve without necessarily developing or building amenities.

Explain how the project identified above is consistent with at least one of the uses authorized by the CIAP. For information on the types of projects authorized under the CIAP, see page 3. If the project involves infrastructure or public service needs, explain how the project mitigates the environmental effects of Outer Continental Shelf activity:

The proposed funds would be applied to conservation easements that fall in the Coastal Zone Management Area. A focus would be the lower reaches of anadromous streams.

This project is directly related to the permanent protection of coastal and marine habitats including wetlands, estuaries, and our coastal fishery resource because it makes it possible for every landowner to act voluntarily to preserve coastal and riparian values through conservation easements.

This project addresses coastal conservation needs associated with seasonal or otherwise transient fluctuations in coastal populations, both animal and human. Seasonal uses by people, fish and wildlife are balanced and sustained through the use of conservation easements protecting coastal, riparian and estuarine values.

This project involves the direct conservation, protection and restoration of wetlands.

Was this project approved by the local governing body or CRSA board? Yes No
If yes, how was it approved? The project was approved by the Kenai Peninsula Borough Assembly through the adoption of Resolution 2001-041. A copy of the Resolution is attached for your review.

What is the time frame for the project? One year Two years Ongoing

Coastal Impact Assistance Program Detailed Project and Budget Description

PROJECT BUDGET

Category	Amount
Personnel	
Travel	
Equipment	
Supplies	
Contractual	\$10,000
Construction	
Other	
Total	\$10,000

Coastal Impact Assistance Program Detailed Project and Budget Description

Project Title: Completion of Updated FEMA Flood Insurance Rate Map for Port Graham Floodplain Panel
Total Project Budget: \$3,400.00
Borough/CRSA: Kenai Peninsula Borough
CIAP Contact: John Czarnezki
Mailing Address: 514 Funny River Road, Soldotna, AK 99669
Telephone: 907-260-4882 Fax: 907-260-5992 E-mail: jczarn@borough.kenai.ak.us
Date: April 2, 2001

Describe the project in a one or two paragraph abstract (you may attach up to two pages of background and additional detail, if necessary):

The Kenai Peninsula Borough (KPB) Assembly adopted a Flood Hazard Mitigation Plan for Port Graham Alaska on March 13, 2001. The flood hazard mitigation plan was developed to mitigate future damage from flooding and erosion for Port Graham.

Due to redevelopment of a Port Graham cannery, additional improvements were made to minimize potential flooding due to storm tides and waves. A variance to the KPB Flood Hazard Ordinance was granted to allow placement of fill on the site. A letter of Map Revision (CLOMR) was issued by FEMA (Federal Emergency Management) that provides documentation of a new flood hazard zoning as a result of the improvements. This plan also corrects the still water flood elevation discrepancy on the original FEMA Flood Insurance Rate Map. A new floodplain panel will be published by FEMA upon funding of this project request.

Explain how the project identified above is consistent with at least one of the uses authorized by the CIAP. For information on the types of projects authorized under the CIAP, see page 3. If the project involves infrastructure or public service needs, explain how the project mitigates the environmental effects of Outer Continental Shelf activity:

This project will provide corrected elevations and flood hazard zones to insure correct development standards for the entire coastal community of Port Graham. This project is consistent with the Coastal Zone Management Act, and enhances the protection of coastal habitats and fishery resources. This project completes an assessment and research program by mapping floodplains in a coastal environment, and allows for the Port Graham community to better plan for and manage coastal resources.

Was this project approved by the local governing body or CRSA board? Yes No
 If yes, how was it approved? The project was approved by the Kenai Peninsula Borough Assembly through the adoption of Resolution 2001-041 . In addition, the Flood Hazard Mitigation Plan for Port Graham that identifies the revised re-mapping, was approved by the Kenai Peninsula Borough Assembly through the adoption of Resolution 2001-023 .

What is the time frame for the project? One year Two years _____

PROJECT BUDGET

Category	Amount
Personnel	
Travel	
Equipment	
Supplies	
Contractual	\$3,400.00
Construction	
Other	
Total	\$3,400.00

Send to: Lisa Weissler Division of Governmental Coordination P.O. Box 110030 Juneau, AK 99811-0030
Send by: May 7, 2001



Introduced by: Mayor
Date: 3/13/01
Action: Adopted
Vote: 8 Yes. 0 No. 1 Absent

**KENAI PENINSULA BOROUGH
RESOLUTION 2001-023**

**A RESOLUTION ADOPTING A FLOOD HAZARD MITIGATION PLAN
FOR PORT GRAHAM, ALASKA**

WHEREAS, the KPB Assembly by Emergency Ordinance 99-59 accepted Federal Emergency Management Agency (FEMA) funds to stabilize the shoreline below the Port Graham School and provide for matching funds; and

WHEREAS, a condition of the Alaska Municipal & Regional Assistance Division Department of Community and Economic Development (DCED) grant which passed through the FEMA funds was to prepare a Flood Hazard Mitigation Plan for Port Graham; and

WHEREAS, the Kenai Peninsula Borough participates in, and wants to ensure compliance with the National Flood Insurance Program and wants to provide for flood damage reduction; and

WHEREAS, the Kenai Peninsula Borough Assembly adopted Resolution 96-007 supporting hazard mitigation planning for the borough; and

WHEREAS, the Port Graham Flood Mitigation Plan has been presented to the Port Graham Tribal Council and met with their approval; and

WHEREAS, the plan incorporates the concerns, issues and needs derived from local community meetings, and

WHEREAS, the Kenai Peninsula Borough Planning Commission reviewed the plan at its regularly scheduled meeting of March 12, 2001 and recommended adoption by unanimous consent;

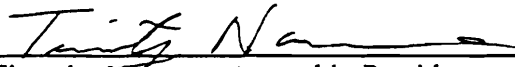
NOW, THEREFORE, BE IT RESOLVED BY THE ASSEMBLY OF THE KENAI PENINSULA BOROUGH:

SECTION 1. A flood hazard mitigation plan was developed to identify long-term effects and to mitigate future damage from flooding and erosion for Port Graham.

SECTION 2. The Port Graham Flood Hazard Mitigation Plan is hereby adopted by the Kenai Peninsula Borough Assembly.

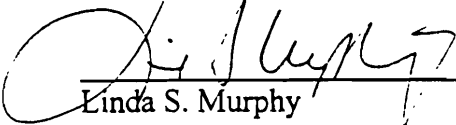
SECTION 3. This resolution takes effect immediately upon its adoption.

ADOPTED BY THE ASSEMBLY OF THE KENAI PENINSULA BOROUGH THIS 13TH DAY OF MARCH, 2001.

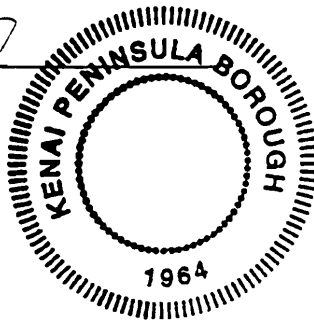


Timothy Navarre, Assembly President

ATTEST:



Linda S. Murphy



Coastal Impact Assistance Program Detailed Project and Budget Description

<p>Project Title: City of Kenai - Dipnet Fisheries Habitat Protection Assistance Total Project Budget: \$16,000 Borough/CRSA: Kenai Peninsula Borough CIAP Contact: John Czarnezki Mailing Address: 514 Funny River Road, Soldotna, AK 99669 Telephone: (907) 260-4882 Fax: (907) 260-5992 E-mail: JCzarn@borough.kenai.ak.us Date: April 2, 2001</p>
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Describe the project in a one or two paragraph abstract (you may attach up to two pages of background and additional detail, if necessary):

In 1997 the Alaska Department of Fish and Game opened the mouth of the Kenai River to personal use dipnetting. Since that time, a number of complaints have been registered with the Alaska Department of Natural Resources, the Alaska Department of Fish and Game and the City of Kenai regarding habitat degradation in the estuary of the river. With the much easier access on the North Side of the Kenai River, the City of Kenai has been successful in taking steps to mitigate impacts on that side of the river. However, due to much more difficult access, the south side of the river has had little to no city police presence during the fishery. As a result, habitat damage, and the concern over that damage, has occurred to the degree that the City passed an ordinance in the spring of 2001 to allow some enforcement for South Side habitat damage.

The lower 5-miles of the Kenai River is excluded from the Kenai River Special Management Area; therefore it is the City of Kenai -- and not the Alaska Department of Natural Resources -- that has jurisdiction of the property. Through their City Manager and police department, the City of Kenai has requested \$10,000 in support to cover their direct costs to provide a police presence during the month of July on the south side of the Kenai River. They will also use a portion of these funds to produce signage and install orange net fencing. This will help inform the public of the new ordinance and prevent unwanted traffic on sensitive dune vegetation. We propose to use \$10,000 of this funding as a contract with the city of Kenai for these three purposes.

Additionally, the City of Kenai has requested the purchase of an ATV for their use as they patrol the 4 wheel drive only beaches on the South Side of the Kenai River. This request is a combination of providing the police with access, and to provide a backup mechanism for the patrolling officer (the city owns only one 4-WD vehicle). The Kenai River Center is also in need of an ATV to gain summer access some of the headwater areas of streams newly added in the KPB habitat protection zone. Since the city only needs the ATV during the month of July for their dipnetting enforcement purposes, we propose to have the Kenai River Center purchase and retain ownership of the ATV with a Memorandum of Agreement that allows the City of Kenai to have use of the vehicle as a loan during the dipnet fishery.

Explain how the project identified above is consistent with at least one of the uses authorized by the CIAP. For information on the types of projects authorized under the CIAP, see page 3. If the project involves infrastructure or public service needs, explain how the project mitigates the environmental effects of Outer Continental Shelf activity:

Quoting directly from the Coastal Impact Assistance Program, these are consistent use statements in no particular order:

- 1) Addressing coastal conservation needs associated with seasonal or otherwise transient fluctuations in coastal populations;
- 2) protection and restoration of natural coastline protective features, including control of coastal erosion;
- 3) assistance to local communities to assess, plan for and manage the impacts of growth and development on coastal or marine habitats and natural resources, including coastal community fishery assistance programs that encourage participation in sustainable fisheries.

Was this project approved by the local governing body or CRSA board? Yes No
If yes, how was it approved? The project was approved by the Kenai Peninsula Borough Assembly through the adoption of Resolution 2001-041. A copy of the Resolution is attached for your review.

What is the time frame for the project? One year Two years Ongoing

PROJECT BUDGET

Category	Amount
Personnel	
Travel	
Equipment	\$6,000
Supplies	
Contractual	\$10,000
Construction	
Other	
Total	\$16,000

Send to: Lisa Weissler Division of Governmental Coordination P.O. Box 110030 Juneau, AK 99811-0030

Send by: May 7, 2001

Coastal Impact Assistance Program Detailed Project and Budget Description

Project Title: Property Owners Guide to Living on Anadromous Streams
Total Project Budget: \$20,000
Borough/CRSA: Kenai Peninsula Borough
CIAP Contact: John Czarnecki
Mailing Address: 514 Funny River Road, Soldotna, AK 99669
Telephone: 907-260-4882 Fax: 907-260-5992 E-mail: jczarn@borough.kenai.ak.us
Date: March 23, 2001

Describe the project in a one or two paragraph abstract (you may attach up to two pages of background and additional detail, if necessary):

The property owners guide to living on anadromous streams would build on an existing effort in the Anchor Point watershed. The guide will communicate to property owners the values and responsibilities that come with owning land on streams, lakes, wetlands and coastal areas. The intent is to provide the guide, free of charge, to every waterfront property owner in watersheds that fall into the coastal district. We hope to encourage the wise use of land within these sensitive areas, rather than trying to mitigate irresponsible development after-the-fact. The guide would use short, informational chapters on topics such as "river and stream buffers," "septic systems," and "wetlands and development" to engage the reader and foster stewardship on their lands. A unique chapter would be designed for each targeted watershed that identified the special features and issues of that area. This guide would be funded by multiple grants with multiple resource agencies and non-profits collaborating.

Explain how the project identified above is consistent with at least one of the uses authorized by the CIAP. For information on the types of projects authorized under the CIAP, see page 3. If the project involves infrastructure or public service needs, explain how the project mitigates the environmental effects of Outer Continental Shelf activity:

The property owners guide is consistent with the majority of CIAP authorized uses. For example, the guide will specifically address the conservation and enhancement of coastal, wetland, and fishery resources. It will provide guidance to seasonal populations that may not be familiar with living along waterways, and act to buffer the impacts of growth and development in these sensitive areas. The guide is an educational document that will mitigate the damage to fish, wildlife and other natural resources from increasing development pressure. In short, the property owners guide will offer a well-rounded, scientific approach to living in sensitive Alaskan environments.

Was this project approved by the local governing body or CRSA board? Yes No

If yes, how was it approved? The project was approved by the Kenai Peninsula Borough Assembly through the adoption of Resolution 2001-041. A copy of the Resolution is attached for your review.

What is the time frame for the project? [] One year [] Two years [] _____

PROJECT BUDGET

Category	Amount
Personnel	\$5,000
Travel	
Equipment	
Supplies	
Contractual	\$15,000
Construction	
Other	
Total	\$20,000

Send to: Lisa Weissler Division of Governmental Coordination P.O. Box 110030 Juneau, AK 99811-0030
Send by: May 7, 2001

Coastal Impact Assistance Program Detailed Project and Budget Description

Project Title: Hydrocarbon Screening
Total Project Budget: \$12,000
Borough/CRSA: Kenai Peninsula Borough
CIAP Contact: John Czarnezki
Mailing Address: 514 Funny River Road, Soldotna, AK 99669
Telephone: (907) 260-4882 Fax: (907) 260-5992 E-mail: JCzarn@borough.kenai.ak.us
Date: April 2, 2001

Describe the project in a one or two paragraph abstract (you may attach up to two pages of background and additional detail, if necessary):

With the passage of a new Kenai Peninsula Borough Ord. No. 2000-08 in May of 2000, the Kenai Peninsula Borough extended the Kenai River Center's permitting authority to include an additional 24 anadromous streams where it had previously only conducted permitting for the Kenai River. Included in Ord. 2000-08 is provision 21.18.050, Flood plain---restrictions within for habitat protection--Permit required--Fuel storage tanks and logging. This section addresses a concern for the potential of fuel and oil (hydrocarbon) impacts to those water bodies listed in 2000-08. However, little water quality data has been collected on many of these newly listed streams, in most cases no hydrocarbon data has ever been collected. Consequently very little information is available on the concern for hydrocarbons impacting salmonid streams. New techniques have recently been introduced to the Kenai River water quality monitoring effort that allow sampling for these specific types of hydrocarbons. Using semi-permeable membrane devices, scientists from the NOAA, Auke Bay Laboratory are able to collect data that detects a number of hydrocarbons in very low concentrations.

The technique employed by NOAA is not used in any regulatory effort and cannot be used for enforcement or compliance, but does give very specific information on relative quantities and sources of hydrocarbons in any given water body. In the past year, many local, state and federal agencies along with NGO's are working in a collaborative manner to use this screening technique in a very limited area of the Kenai River. Working through the Kenai River Center, we propose to identify the appropriate entity to augment this effort by providing \$12,000 as a contract. At \$600 per site, this level of funding would allow for up to 20 additional sites to be monitored and analyzed over the course of a year. With this information, the staff of the Kenai River Center and the Coastal Zone Management staff would be better informed as to where they should concentrate their limited resources.

Explain how the project identified above is consistent with at least one of the uses authorized by the CIAP. For information on the types of projects authorized under the CIAP, see page 3. If the project involves infrastructure or public service needs, explain how the project mitigates the environmental effects of Outer Continental Shelf activity:

The proposed funds would be applied to monitor streams that fall in the Coastal Zone Management Area, under 1000 feet of elevation.

Quoting directly from the Coastal Impact Assistance Program, these are consistent use statements in no particular order:

- 1) Protection, restoration and enhancement of coastal water quality consistent with the provisions of the Coastal Zone Management Act (16 U.S.C. 1451 et seq.), including the reduction or monitoring of coastal polluted runoff or other coastal contaminants;
- 2) addressing watershed protection or other coastal or marine conservation needs which cross-jurisdictional boundaries;
- 3) assistance to local communities to assess, plan for and manage the impacts of growth and development on coastal or marine habitats and natural resources, including coastal community fishery assistance programs that encourage participation in sustainable fisheries.

Was this project approved by the local governing body or CRSA board? Yes No
If yes, how was it approved? The project was approved by the Kenai Peninsula Borough Assembly through the adoption of Resolution 2001-041. A copy of the Resolution is attached for your review.

What is the time frame for the project? One year Two years Ongoing

PROJECT BUDGET

Category	Amount
Personnel	
Travel	
Equipment	
Supplies	
Contractual	\$ 12,000
Construction	
Other	
Total	\$12,000

Send to: Lisa Weissler Division of Governmental Coordination P.O. Box 110030 Juneau, AK 99811-0030
Send by: May 7, 2001

Coastal Impact Assistance Program Detailed Project and Budget Description

Project Title: Landowner Willow Restoration Guide
Total Project Budget: \$2,500
Borough/CRSA: Kenai Peninsula Borough
CIAP Contact: John Czarnezki
Mailing Address: 514 Funny River Road, Soldotna, AK 99669
Telephone: (907) 260-4882 **Fax:** (907) 260-5992 **E-mail:** JCzarn@borough.kenai.ak.us
Date: April 2, 2001

Describe the project in a one or two paragraph abstract (you may attach up to two pages of background and additional detail, if necessary):

The purpose of this project is to develop a user-friendly guide for the identification of Alaska willows as none is currently available. The Southcentral Alaska Willow Guide is intended to complement and serve as a companion to the Streambank Revegetation And Protection. A Guide For Alaska. This proposal is timely in that the revegetation guide is currently being redesigned and will not contain much detail on willow, thus in the redesign and development, the two guides would contain appropriate cross-references. The proposed guidebook will provide landowners and landscape contractors in Southcentral Alaska the information necessary to identify and select the proper species of willow for habitat restoration or other intended purposes. The existing identification tools currently available such as Little and Viereck's Alaska Trees and Shrubs are too cumbersome and technical for a contractor to use in the field.

This project has received \$15,000 from the USFWS and work is currently underway, in order to complete a print-ready copy, a minimum of \$25,000 will be needed. Working through the Kenai River Center, we propose to contribute \$2,500 of the required funding toward this effort. Funding would be made available in the form of a contract.

Explain how the project identified above is consistent with at least one of the uses authorized by the CIAP. For information on the types of projects authorized under the CIAP, see page 3. If the project involves infrastructure or public service needs, explain how the project mitigates the environmental effects of Outer Continental Shelf activity:

Quoting directly from the Coastal Impact Assistance Program, these are consistent use statements in no particular order:

- a) This project is directly related to the permanent protection of coastal and marine habitats including wetlands, estuaries, and our coastal fishery resource.
- b) This project involves the direct conservation, protection and restoration of wetlands.
- c) This project involves the protection and restoration of natural coastline protective features, including control of coastal erosion; Willow for bank

stabilization is used in all these environments and private landowners and agency personnel are often at a loss for identifying the few species with the ability to be propagated using transplanting techniques.

Was this project approved by the local governing body or CRSA board? Yes No

If yes, how was it approved? The project was approved by the Kenai Peninsula Borough Assembly through the adoption of Resolution 2001-041. A copy of the Resolution is attached for your review.

What is the time frame for the project? One year Two years Ongoing

PROJECT BUDGET

Category	Amount
Personnel	
Travel	
Equipment	
Supplies	
Contractual	\$ 2,500
Construction	
Other	
Total	\$2,500

Send to: Lisa Weissler
Division of Governmental Coordination
P.O. Box 110030
Juneau, AK 99811-0030

Send by: May 7, 2001

Coastal Impact Assistance Program Detailed Project and Budget Description

Project Title: Tsalteshi Trail Improvements
Total Project Budget: \$10,000
Borough/CRSA: Kenai Peninsula Borough
CIAP Contact: John Czarnecki
Mailing Address: 514 Funny River Road, Soldotna, AK 99669
Telephone: 907-260-4882 **Fax:** 907-260-5992 **E-mail:** jczarn@borough.kenai.ak.us
Date: April 25, 2001

Describe the project in a one or two paragraph abstract (you may attach up to two pages of background and additional detail, if necessary):

The Tsalteshi Trail Association maintains trails adjacent to Skyview High School for the benefit of Kenai Peninsula Borough residents and visitors alike. There are many users of these trails for skiing, biking and walking.

This project will include the expansion of the existing Tsalteshi Trail system to include the development of a one-mile trail from and eventually across K-Beach Road in the City of Soldotna. This trail system, in conjunction with City and Federal trail systems, will provide an expanded network of trails near the wetland complex associated with the Kenai River and its tributaries. With the growing use of the riparian area near the Kenai River, this trail system will provide controlled access to ensure that sensitive areas are not negatively impacted.

Explain how the project identified above is consistent with at least one of the uses authorized by the CIAP. For information on the types of projects authorized under the CIAP, see page 3. If the project involves infrastructure or public service needs, explain how the project mitigates the environmental effects of Outer Continental Shelf activity:

The CIAP authorizes the use of funds which address coastal conservation needs associated with seasonal fluctuations in coastal populations, which help to manage the impacts of growth and development on natural resources, and which help to protect wetlands. Improvement and expansion of the Tsalteshi Trail system satisfies these requirements.

This project is consistent with the Kenai River Special Management Area (KRSMA) Plan in that "Trails should be considered as an integral part of campgrounds and other high use recreation facilities, functioning to direct the public to areas of appropriate use and away from areas where such use is inadvisable..." In addition, Goal 4.5.1 of the KRSMA Plan states "To maximize enjoyment and access to recreational opportunities while maintaining the diversity of the recreational experience..." Last, the KRSMA Plan indicates that there is a shortage of suitable improved trails and facilities.

The linkage of the existing Tsalteshi system to the City campgrounds and trails will help to meet these KRSMA goals.

Was this project approved by the local governing body or CRSA board? Yes No
If yes, how was it approved? The project was approved by the Kenai Peninsula Borough Assembly through the adoption of Resolution 2001- 041. A copy of the Resolution is attached for your review.

What is the time frame for the project? [] One year [] Two years [] _____

PROJECT BUDGET

Category	Amount
Personnel	
Travel	
Equipment	
Supplies	
Contractual	\$10,000
Construction	
Other	
Total	\$10,000

Send to: Lisa Weissler
Division of Governmental Coordination
P.O. Box 110030
Juneau, AK 99811-0030

Send by: May 7, 2001

Coastal Impact Assistance Program Detailed Project and Budget Description

Project Title: Lower Peninsula Shooting Sports Center Design and Site Preparation
Total Project Budget: \$10,000
Borough/CRSA: Kenai Peninsula Borough
CIAP Contact: John Czarnecki
Mailing Address: 514 Funny River Road, Soldotna, AK 99669
Telephone: 907-260-4882 **Fax:** 907-260-5992 **E-mail:** jczarn@borough.kenai.ak.us
Date: April 25, 2001

Describe the project in a one or two paragraph abstract (you may attach up to two pages of background and additional detail, if necessary):

There is a growing need to provide a safe public site for firearm-based recreation. Since the only official shooting range was closed in 1986 there has been a need for the community to identify and develop a site to accommodate hunters and target shooters that need to practice their sport. Without a designated site the public has no choice but to practice wherever they can. In many instances these temporary sites are neither safe nor practical. Overuse and or abuse of these temporary sites have led to habitat degradation. Some garbage left behind or shot up may contain toxic substances.

A parcel of land has been identified, and the process to provide funding for the design, development, construction, and operation of this center is now necessary. This proposal seeks to initiate the planning, design, and site preparation phases.

Once constructed, this facility will provide a safe, structured atmosphere for hunters and target shooters. In addition, organized hunter education classes, agency enforcement training, and licensed shooting events will be possible. Once this site is developed, it will be possible to reclaim sites that are currently being used for recreational shooting and that may be contaminated.

Explain how the project identified above is consistent with at least one of the uses authorized by the CIAP. For information on the types of projects authorized under the CIAP, see page 3. If the project involves infrastructure or public service needs, explain how the project mitigates the environmental effects of Outer Continental Shelf activity:

- (1) (I) As the coastal communities of the Lower Peninsula continue to grow the cumulative effects of human encroachment on natural resources is exacerbated. Some of the growth is directly related to oil and gas exploration and development through an increase in the workforce. Development of a first-class facility will encourage the public to use this site and limit the impacts of growth and development on coastal or marine habitats.

(1) (J) This project will promote education and training to individuals that live and recreate in coastal portions of the Kenai Peninsula. Since hunting plays an important role in marine resource uses, it is only logical to develop a site where hunter education can be taught. A local training site will also allow enforcement personnel to complete the necessary training and return to regular duty.

Was this project approved by the local governing body or CRSA board? Yes No
If yes, how was it approved? The project was approved by the Kenai Peninsula Borough Assembly through the adoption of Resolution 2001- 041. A copy of the Resolution is attached for your review.

What is the time frame for the project? [] One year [] Two years [] _____

PROJECT BUDGET

Category	Amount
Personnel	
Travel	
Equipment	
Supplies	\$1,000
Contractual	\$9,000
Construction	
Other	
Total	\$10,000

Send to: Lisa Weissler
Division of Governmental Coordination
P.O. Box 110030
Juneau, AK 99811-0030

Send by: May 7, 2001

Coastal Impact Assistance Program Detailed Project and Budget Description

Project Title: Youth Restoration; Corp Quartz Creek Project
Total Project Budget: \$10,000
Borough/CRSA: Kenai Peninsula Borough
CIAP Contact: John Czarnecki
Mailing Address: 514 Funny River Road, Soldotna, AK 99669
Telephone: 907-260-4882 Fax: 907-260-5992 E-mail: jczarn@borough.kenai.ak.us
Date: April 25, 2001

Describe the project in a one or two paragraph abstract (you may attach up to two pages of background and additional detail, if necessary):

The Youth Restoration Corp (YRC) is a non-profit organization that promotes environmental stewardship in youth. Youth are involved in an educational process that teaches stewardship and habitat restoration techniques, and then involves them in actual hands-on projects to implement what they've learned.

The Quartz Creek project in Cooper Landing will create spawning and rearing habitat for salmonids from an expired gravel pit used to reconstruct the Sterling Highway. Youth will be working on habitat improvements to almost 9 acres of habitat surrounding the lake/pond that was created from the gravel pit. This work will complement previous work completed by the Department of Transportation. Attached is a detailed project description for the Quartz Creek project.

Explain how the project identified above is consistent with at least one of the uses authorized by the CIAP. For information on the types of projects authorized under the CIAP, see page 3. If the project involves infrastructure or public service needs, explain how the project mitigates the environmental effects of Outer Continental Shelf activity:

This project will promote education and training to individuals that live and recreate in coastal portions of the Kenai Peninsula, and provides important creation of salmonid spawning and rearing habitat on the Kenai River system. And quoting directly from the Coastal Impact Assistance Program, this project is directly related to the permanent protection of coastal and marine habitats including wetlands, estuaries, and our coastal fishery resource.

Was this project approved by the local governing body or CRSA board? Yes No
If yes, how was it approved? The project was approved by the Kenai Peninsula Borough Assembly through the adoption of Resolution 2001- 041. A copy of the Resolution is attached for your review.

What is the time frame for the project? One year Two years _____

PROJECT BUDGET

Category	Amount
Personnel	
Travel	\$2,000
Equipment	\$2,000
Supplies	\$6,000
Contractual	
Construction	
Other	
Total	\$10,000

Send to: Lisa Weissler Division of Governmental Coordination P.O. Box 110030 Juneau, AK 99811-0030
Send by: May 7, 2001

QUARTZ CREEK PROJECT PROPOSAL

"Bringing the Nation to Alaska"

Project Rep: Youth Restoration Corp

P.O. Box 2416

Kenai, Alaska 99611

(907) 262-1032 (phone)

(907) 262-4324 (fax)

Email yrcc@gci.net Web site www.youthrestorationcorps.org

Contact Person(s): Mr. Kelly Wolf & Mr. Dean Davidson (907) 271-2537

Program Mission:

Youth Restoration Corp (YRC) was formed as a 501-© 3 non-profit organization. Our primary mission is to promote environmental stewardship in the youth of the communities we serve. By involving local youth in our 60% work 40% hands-on educational format, we strive to bring the textbook to life. As we continue working to develop strong community support from all levels of industry, organization, and government agencies, Youth Restoration Corp will continue to restore damaged fish and wildlife habitat in Alaska.

Program Description:

Over the past four years YRC has concentrated its restoration efforts along river systems such as the Little Susitna, Kenai and Russian Rivers. To date, over 50 of the most seriously impacted sites have been restored, totaling nearly 7,920 lineal feet. YRC's unique approach emphasizes habitat restoration efforts through an on-site/hands-on experience. YRC involves local and state experts who educate the youth on riparian ecosystems, aquatic life, water quality, restoration practices and archeological education. YRC utilizes materials that are indigenous to the environment, and coordinates with local volunteer community programs such as Stream Watch for monitoring of the restored areas. YRC is expanding its outreach to include reforestation within the Chugach National Forest, which has been devastated by the spruce bark beetle. With a significant emphasis placed on educating our youth, YRC strengthens the viability of our eco-systems by teaching them to be environmental stewards. Consequently, we break the cycle of ambivalence that perpetuates our youth today, giving them an opportunity to be a part of positive change through pro-active measures.

Our FY 2001 projects focus on areas that have been identified as critically damaged by state and local agencies. These areas are located on Kenai Lake, Russian and Kenai Rivers and Cooper Creek. The focus of this brief is entitled the "Quartz Creek Restoration Project", an area that when restored will provide additional spawning/rearing habitat for salmon that normally inhabit the Quartz Creek watershed.

The project is being developed as a five-day community based restoration project involving youth from all over Southcentral Alaska and the United States. Over 140 YRC youth, volunteers, Young Marines and staff will participate on this project. YRC is coordinating with the Dept. of Transportation, AK Dept. of Fish and Game, AK Dept. Natural Resources and the Chugach National Forest to convert a gravel pit used to expand the highway system into a healthy ecosystem for Coho and Sockeye Salmon.

It is the intent of all involved agencies to increase the numbers of native stock species in Quartz Creek by developing a lake that will provide a new area for salmon to spawn and salmon fry to winter over. Surrounded by tall cottonwoods, mountains, moose, and bear habitat, this project is ideal for proper restoration. Entitled "*Bringing the Nation's Youth to Alaska*", this project is also a perfect opportunity to combine the natural energy of our youth with an opportunity to learn about the environment, while working on a project that will prove to be a learning experience for young and old alike.

The project site is located on land owned by the State of Alaska, Department of Natural Resources. The lake and access connects to Dave's Creek, a tributary of the Kenai River. This area has been designated for restoration work, and with all the final grading completed, planting can begin next summer.

The project site consists of restoration work on a man made lake approximately 8.75 acres which lies in a secondary riparian floodplain that is heavily wooded with a cottonwood/spruce forest overstory, bluejoint, fireweed, and a low lying berry bush understory. Gravel and soil material has been extracted from this site to a depth of 25 feet that is below ordinary ground water level. The lake is surrounded by 3 to 1 slopes that have been covered with a thin layer of stockpiled topsoil.

The lake is connected to Quartz Creek with a 1300 lineal foot creek constructed by heavy equipment. From there, Quartz Creek empties into Kenai Lake. The access trench varies in depth from 8 to 12 feet and a width of 10 to 15 feet with meanders and dogleg turns constructed to control flow velocities in the event of heavy rains and spring runoff. Organic debris and logs have been placed on the exposed bank by heavy equipment to help accelerate natural revegetation. The placement of cottonwood branches/logs appears to be an effective method to start new cottonwood tree growth. This practice of using cotton wood logs in a terrace type fashion has been used on other restoration project here on the Kenai Peninsula with good to fair success.

Objectives of the Project:

The objectives of this project include education of 140 youth and adults participating in the restoration project; restoration on the 1300 lineal feet man-made creek system; and, restoration of the 8.75 acres surrounding the man-made lake with vegetative riparian habitat. This restoration will compliment the previous work completed by DOT. Additional objectives include strengthening local, state and federal coordination to accomplish a successful project.

Work Force:

The restoration project will involve all groups of Youth Restoration Corp in Southcentral Alaska, the Alaska Young Marines, and selected representatives from 205 national Young Marine detachments. The Alaska Young Marine's detachment has worked with YRC in the past, and has helped make previous projects a success. As a result of their involvement, the Young Marines have been able to achieve their "Meritorious Unit Citation" and the "Senator Chaffee Environmental Award" which have been generally unattainable to those units in the Lower 48 due to the limited environmental community projects available. Other groups will be invited with the understanding that it will require adult participation. It's anticipated that 140 youth between the ages of 16-19 will be involved in this restoration effort. The intent of YRC is to bring youth from across the nation from diverse backgrounds together for a one-week program that would in effect, perpetuate a wave of environmental stewardship across the nation. By involving our youth, we will effectively direct the largest youth community restoration project ever assembled in the nation.

The educational format for youth will include sectionals on aquatic life, soil ecology, plant identification, soil ecology, cold weather safety, water quality, habitat restoration practices, and archeology of the area.

Project Supervision:

There will be one adult for every five youth. Groups will be divided into teams of 20 with 4 leaders. Each leader will be a supervisor for their team both on and off site. Activities will be planned during off-hours, so youth have things to do from roll call to lights out. This will be a well-supervised educational opportunity for youth and adults alike. Adults will include those group leaders hired to oversee the YRC youth, and detachment leaders from Young Marines.

Sponsors:

Sponsorship will be recognized on the YRC project video, which will be distributed nationwide. The video will provide footage of the restoration project, and demonstrate what these youth are capable of doing. We are encouraging our sponsors to contribute in levels of \$5,000 and up for this project, are being funded by YRC sponsors. Which upon completion YRC will construct a permanently placed monument on site. The monument will also contain the names of those youth and sponsors who participated in this project. It is planned that area high school youth will design the monument.

Work Plan:

The vegetation surrounding the site contains many different types of plant life. The intent of this project is to develop a zone of vegetation around the shore of pond and creek that is consistent with similar, but undisturbed sites in the local area. The Alaska Department of Transportation (DOT) plans to apply a mixture of grasses that will be

less competitive with the young spruce and cotton wood trees that are to be planted around the pond. DOT also plans to plant 1500 live stake willows on eight-foot centers along the edge of the pond.

Soil Description:

The surface soil ranges in depth from 4" to 8" and consists of loose rounded alluvial gravel and cobbles in a loam to silt loam matrix.

Description of Water Flows:

The water flow without influence from floods or spring runoff rises and falls about from 1 to 3 feet.

Equipment Description:

Only hand tools such as shovels, picks, mauls, chain saws, wheelbarrows, etc. shall be allowed on the site.

Project Materials Description:

The Youth Restoration Corp's (YRC) restoration project will emphasize the uses of many native plants found in the local area that are compatible with the appropriate ecosystem. The following guidelines are a breakdown of specific techniques used in the restoration process:

- Installation of a continuous sod and woody layer consisting of native species of plant species at the Ordinary High Water level to quick-start new vegetation growth and trap soil that may erode upslope. It is suggested that the sod contain bluejoint grass (*Calamagrostis Canadensis*), which develops a rhizomous root system, which forms a continuous vegetated soil cover over a large area.
- Untreated burlap bags will be filled with topsoil and used to reform irregular slopes in a fashion similar to a natural riverbank. Grass seed, willow cuttings, and rooted plants will be put in the bags to help accelerate plant establishment. This will also provide additional soil for tree starts.
- C 125Bn erosion mats will be used to cover exposed imported soils, to help retain soil moisture and assist germination of the grass seed and minimize soil erosion in the event of a rainstorm or flood before the establishment of a continuous vegetative cover.
- Root wad structures (tree stumps) have been installed in places of present or potential stream bank erosion to deflect the hydraulic energy flow of the stream and provide fish habitat.
- Coirlogs (12" x 20' in size), made of coconut material may be used to establish the toes for restoration projects along the OHW level of the shoreline. Due to the gradual slope of the system, this most likely will not be needed but would provide a good educational opportunity.
- Dormant willows will be planted along the OHW level and in the riparian zone to achieve a more diverse vegetative cover along the edge of the waters.
- Native dormant cotton wood cutting and rooted alder wildings will be used along the shoreline to introduce woody vegetation.
- Spruce tree seedlings will be placed 12' on center in areas above the shoreline of the pond as outlined by DNR and ADF&G. These seedlings will originate from the genetic pool of trees in the Cooper Landing area.
- Hay/flax logs, a new product on the market and approved by the Kenai River Center, will be used as a terrace fashion and toe along the base lake similar to the project completed in 2000 on the Kenai/Russian River sanctuary.

In a few cases, these work plan descriptions could be eliminated as unnecessary to arrive at the successful project. But due to the secondary objective of the project, which is to provide education to the community and youth, it is recommended that all techniques be approved providing they do not conflict with requirements of the Kenai River Center.

All restoration methods will be in compliance with Alaska Department of Fish and Game specifications.

Monitoring Methods:

The shoreline vegetation provides a number of functions that helps keep our river systems healthy, including providing habitat and food for wildlife, bank stabilization, and the filtering of surface runoff. Consequently, repairing and maintaining the riparian habitat is very important to this ecosystem. A brief terrestrial and aquatic monitoring program will be established as a baseline to record changes in plant community composition of the fish habitat. These sites will be inventoried annually for five years to determine the restoration value of the different techniques being used on the project. State and federal agencies may then use this information to improve restoration practices in Southcentral Alaska.

Coastal Impact Assistance Program Detailed Project and Budget Description

Project Title: Developing a FEMA Flood Insurance Rate Map for the North Fork of the Anchor River
Total Project Budget: \$ 140,000
Borough/CRSA: Kenai Peninsula Borough
CIAP Contact: John Czarnetzki
Mailing Address: 514 Funny River Road, Soldotna, AK 99669
Telephone: 907-260-4882 Fax: 907-260-5992 E-mail: jczarn@borough.kenai.ak.us
Date: April 2, 2001

Describe the project in a one or two paragraph abstract (you may attach up to two pages of background and additional detail, if necessary):

Presently the North Fork of the Anchor River is unmapped for floodplain management. A portion of the Anchor River was mapped as an unnumbered A zone in the early 1980's. General flood boundaries have been established for this area, but no flood elevations have been determined. Due to the "generalization" in the original study, a re-study for detail data for this portion of the river is being suggested as a project. Total length would be approximately 8 miles.

There are various stages of developing a FEMA Flood Insurance Rate Map for floodplain management. Although providing a finished project would not be feasible under these limited funds, the first stage of the project could be accomplished. Future funding would be sought for completing the various stages.

Under the existing funds available, the first stage of the mapping would be completed. This project would include the entire contour mapping portion of the study. This must be done for the entire subject area prior to additional surveys being completed and before hydrologic and hydraulic modeling is accomplished.

The contouring mapping would entail new aerial photos and contour limits would be determined. This would include horizontal and vertical location of the floodplain. The following stages to be completed in the future would be:

- Survey the cross-sections of the river
- Modeling - Hydrological and hydraulic studies
- Final report of the entire study

Explain how the project identified above is consistent with at least one of the uses authorized by the CIAP. For information on the types of projects authorized under the CIAP, see page 3. If the project involves infrastructure or public service needs, explain how the project mitigates the environmental effects of Outer Continental Shelf activity:

Completion of this project would be the first step to ensure proper development for the local community, and for the floodplain of the Anchor River. It would help plan and manage the impacts of growth and development for this area. Watershed and wetlands protection would also be achieved.

Was this project approved by the local governing body or CRSA board? Yes X No ___
 If yes, how was it approved? The project was approved by the Kenai Peninsula Borough Assembly through the adoption of Resolution 2001-041. A copy of the Resolution is attached for your review.

What is the time frame for the project? [] One year [] Two years [] _____

PROJECT BUDGET

Category	Amount
Personnel	
Travel	
Equipment	
Supplies	
Contractual	\$140,000
Construction	
Other	
Total	\$140,000

<p>Send to: Lisa Weissler Division of Governmental Coordination P.O. Box 110030 Juneau, AK 99811-0030</p>
<p>Send by: May 7, 2001</p>

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- Anchor River Favorite Fishing Holes**
- 1 The Forks
 - 2 Bridge Hole
 - 3 Willow Run
 - 4 Cottonwood Hole
 - 5 Picnic Hole
 - 6 Campground Hole
 - 7 Dudes Hole
 - 8 Slide Hole
 - 9 Grass Hole
 - 10 Boat Launch Hole
 - 11 Chinaman Hole
 - 12 Mouth

Sections are approximately 1 mile square... use for quick estimate of distances.

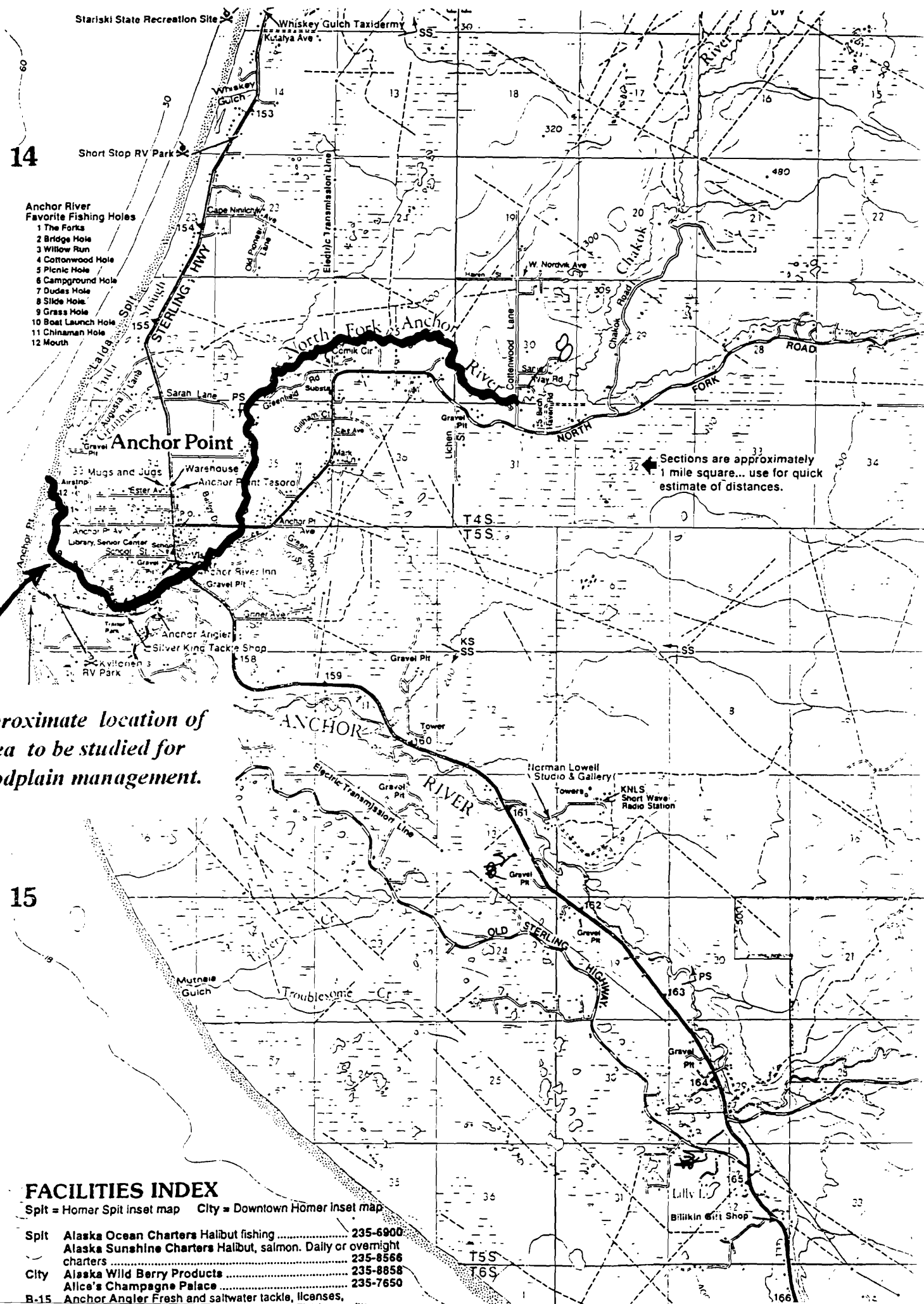
Approximate location of area to be studied for floodplain management.

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FACILITIES INDEX

Spit = Homer Spit inset map City = Downtown Homer inset map

Spit	Alaska Ocean Charters Halibut fishing	235-6900
	Alaska Sunshine Charters Halibut, salmon. Daily or overnight charters	235-8566
City	Alaska Wild Berry Products	235-8858
	Alice's Champagne Palace	235-7650
B-15	Anchor Angler Fresh and saltwater tackle, licenses.	



Kenai Peninsula Borough Recommendations for Allocation of State CIAP Funds

As noted in the Overview, the State of Alaska will be receiving over \$8 million for mitigating the effects of oil and gas development. The Kenai Peninsula Borough would like to recommend the following activities for funding at the State level:

- 1) Floodplain mapping and detailed study of unmapped rivers, streams and coastal areas. The Borough recommends that streams with high concentrations of privately owned land be targeted for mapping. Each stream segment would include a survey of the cross-sections of the river; modeling, to include hydrological and hydraulic studies; and a final report of the entire study area.
- 2) The development of a multi-disciplinary team to identify and evaluate severe coastal erosion problems within coastal districts, and to develop a long-term management plan and implementation strategies for each district. This project should include research and evaluation of the impacts of beach hardening and road construction and their relationship to bluff erosion.
- 3) Expansion of the Alaska Department of Fish and Game 50/50 cost-share program for bank restoration and protection on anadromous streams. Currently, only one district – on only one stream – is providing assistance to property owners. This project should include expansion of the program to rivers and streams along coastal streams that receive a high amount of fishing pressure, and that are damaged to wave or wind erosion.

Assembly Resolution and Supporting Materials

The following section includes a copy of the Assembly Resolution that supports the CIAP projects, and a copy of the cover memorandum.