

<b>CID:</b>	020012	<b>FIS/FIRM:</b>	Effective Date:	12/6/1999
			Level of Study:	Detailed Study, V1 - V6, AE/floodway
			Last Community Meeting:	12/2/1998

<b>LOMCs:</b>	31	<b>Last CAV/CAC Date:</b>	08/05/2003, 10/09/2003
---------------	----	---------------------------	------------------------

**CRS Status**

Class:	8	SFHA Discount:	10%
Effective:	4/1/2000	Non-SFHA Discount:	5%

**Demographics**

Population:	49,691	<b>Social Characteristics</b>	
Median Age:	36	Non-English Speakers:	3%
Elderly (65+):	7%	High School+ Education:	89%
Native:	8%	Bachelors+ Education:	20%

**Industrial**

Population in labor force:	55.4%
Median income:	\$46,397
<b>Top 5 Industries:</b>	
Educational, health and social serv	20%
Retail trade	13%
Arts, entertainment, recreation, ac	11%
Agriculture, forestry, fishing and h	11%
Construction	9%

**Presidentially-Declared Disasters**

Flood-related total:	19	(August 1967 - October 2009)
Recent flood related:	10	(April 2002 - October 2009)

Other hazards: Earthquake, Fire, Severe Storms, Landslides, Mudslides, Tidal Surges, Severe Winter Storms, Coastal Erosion, High Winds, Severe freezing, Heavy rains and landslide, Avalanches

**Insurance**

Total Premiums:	\$ 209,835	Variances:	0
Total Coverage:	\$ 63,090,500	Rep Losses:	0
Total Policies:	309	BCX Zone Claims:	7
A Zone Policies:	217	A Zone Claims:	2
V Zone Policies:	0	AE/A# Zone Claims:	18
Retention:	47 policies, \$429,285 coverage	V Zone Claims:	0
		D Zone Claims :	5

**Mitigation Projects and Other Grants**

- Mitigation Projects: Resize and realign culverts on Daisy Hill Lane. Relocate existing road from top of river bank that is subject to erosion and washout. Construct berm and elevate existing track to provide 100 yr flood protection at MP 36 of Alaska Railroad. Improve the reliability of electrical power service to the town of Hope.
- Mitigation Project: Removed danger trees from overhead electrical power lines ~ \$30,128 Project with 25% local cost share.
- Mitigation Project: Divert hillside water runoff by cutting back slope and re-routing run-off to natural drainage away from hospital offices and reception area \$96,360 with 25% local cost share
- Mitigation Project: Relocate Kasilof River Road \$187,406 with 25% local cost share
- Mitigation Project: Install and replace out dated tsunami warning system \$454,161 with 25% local cost share
- Mitigation Project: Bishop property install well and septic \$9,475 with 25% local cost share
- Mitigation Project: Alaska Railroad Corporation, Salmon Creek RR Bridge Replacement \$245,600 with 25% local cost share
- Mitigation Project: City of Seward, Culvert Upgrades and Elevation of Pump Station \$297,779 with 25% local cost share
- Mitigation Project: In order to improve the warning capabilities in flood hazard areas, the KPB would like to purchase three siren units to fit on the back of the fourwheel drive pickup truck to warn those not currently served by the boroughs \$59,330 with 25% local cost share
- Mitigation Project: Resurrection River Flood Reduction Project - Removal of accreted debris near the river delta (companion projects include widening of upstream bridges and the construction/expansion of levees) \$309,076 with 25% local cost share

**Mitigation Plans:**

Kenai Peninsula Borough All Hazards Mitigation Plan  
 Effective: August 2005  
 Expires: August 2010

\*Note: This plan is being updated, in draft phase.

**Other Plans:** Alaska State Hazard Mitigation Plan, October 2010.

**Levees and Other Flood Control Structures**

Identifier: None known to be 65.10 compliant  
Accreditation Status:

**Environmentally Sensitive Areas:**

Critical Species:  
Environmentally Sensitive Index:  
Wetlands:  
CoBRAs: n/a  
OPAs: n/a

**Tribal Areas:**

Tribe: None identified  
Flooding Source: n/a

**Coastal:**

Watershed Geographic Location: The Homer Spit/ Kenai Peninsula project area is located between two water bodies, Gulf of Alaska and Cook Inlet.  
Coastal Structures: Hard to identify due to poor imagery

Water body Influences: The project area is exposed to the open water which allows it to be susceptible to large wave and tide fluctuations which can cause coastal flooding and the effects could be compounded by land based flooding.

**Historical flooding:**

In 1964, a tsunami devastated Seward.  
There are large amounts of debris from glaciers released during flooding events and lots of alluvial fans  
"Floods on the Kenai Peninsula, Alaska, October and November 2002", USGS Report by Josh D. Eash and Ronald L. Rickman.  
Highest record of measure on 8 gages, near record on most.

**Ongoing Mapping Projects:**

Homer Spit is undergoing a wave runnup new study. Effective information is suspected to be inaccurate, new coastal study procedures being followed.

The Kenai Peninsula Borough (City of Seward) is currently undergoing DFIRM conversion, and is in the preliminary phase. The CTP is currently working with RX to respond to a comment submitted by the Borough and move forward with QR 5, 6, and 7. There are several new stream studies just outside the City of Seward. The current projected effective date for the conversion is October 4, 2011.

A new Hydrologic and Hydraulic study is underway for the Japp Creek Alluvial Fan, near Seward.

RiskMAP DFIRM, just started, Homer coastal

USACE studies for Cooper Landing, Anchor Point, Ninilchik

**Mapping Needs:**