

What the Corps Does, and What We Can Do Together
Alaska District, US Army Corps of Engineers

Presentation to Denali Commission

July 19, 2007



**US ARMY CORPS
OF ENGINEERS
ALASKA DISTRICT**

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The Alaska District is an engineering and construction agency with a water related civil works mission, design and construction services for Army and Air Force facilities, and regulatory oversight for navigable waterways of the United States. We also undertake work for others under our Interagency and International Services program, and have a program to provide Planning Assistance to States. This presentation will discuss our civil works activities, but I mention our overall responsibilities to provide a complete picture.

The Corps' Civil Works mission grew out of maintaining navigation of the nation's rivers and harbors and remains centered on water related planning, design, construction, and maintenance and operation activities. Historically the Corps' missions have been Navigation, Flood Damage Reduction, Hydropower, Water Supply Storage, Emergency Stream bank Protection, Coastal Storm Damage Reduction, and Emergency Preparedness Response and Recovery. Recreation has been a Corps mission in the past, however has been deemphasized as Federal revenues have become scarcer. A relative new mission, instituted within the last 20 years or so, is Environmental Protection and Restoration. The Alaska District has constructed projects in all of these mission areas in Alaska.

The Corps navigation mission involves providing and maintaining navigational access for commercial cargos. This mission includes constructing access channels and protective works such as breakwaters. The Corps does not typically construct features such as piers, docks, or upland facilities. Navigation markers and beacons are provided and maintained by the Coast Guard. Navigation projects are probably the largest category of projects that the Alaska District conducts in Alaska.

The flood damage reduction mission is fairly self explanatory. The Corps provides structural and non-structural projects such as dikes and levees, raising structures, diverting flood flows, or in special cases, relocation of facilities, or even entire communities. Flooding is an issue in many Alaskan coastal communities and the Corps has many projects of this type.

Hydropower and water supply storage are related missions in that they both involve construction of a dam to create a water reservoir. The Alaska District has constructed a limited number of hydropower projects in Alaska but this is not a routine mission area. Water supply is a more common mission, and the Alaska District currently has two projects on-going, Kake Dam and Wrangle water supply.

Coastal Storm Damage is another threat to Alaskan coastal villages, and the Corps is active in this area, designing and constructing erosion protection structures at many communities. The Alaska District is currently involved with erosion protection at Shishmaref, and has designs underway for Unalakleet, Kivalina, Bethel, Newtok and others.

A related mission is emergency streambank protection. Typically the Corps can only provide this service under Section 14 of its continuing authorities, which is limited to protection of public facilities. However, the Alaska District has received congressional direction to provide more extensive streambank protection for some Alaskan communities such as Galena, Dillingham, Bethel, and currently under study, McGrath.

Last, but not least, is the environmental restoration and protection mission. The focus of this mission area is the restoration of degraded ecosystems to produce environmental benefits. These projects are varied including such things as removing debris and other obstructions, opening culverts, improving water quality, and restoration of rearing habitat spawning beds, riparian habitat and woody debris. The Alaska District has projects like this at Chester Creek, Mark Creek, Eklutna, and Black Lake.

One final capability that the Corps has to offer is in delineation, characterization, and clean-up of hazardous and toxic waste. The Corps typically provides this service in the clean-up of active and formally used defense sites in Alaska, but has done extensive work for the EPA and DOE in other states. The Alaska District recently used this technology to determine if contaminated sediments were likely to be associated with the Port of Anchorage expansion project.

Alaska District Corps of Engineers Active Project POC List

PROJECT NAME - P2#	STATUS	PROJECT FINISH	PROJECT MANAGER	TELEPHONE	E-MAIL
GENERAL INVESTIGATIONS					
AKUTAN HARBOR AK 102438	PED	Oct-07	BOGUSLAW J WIERZBICKI	907-753-5778	BOGUSLAW.J.WIERZBICKI@POA.USACE.ARMY.MIL
ALASKA REGIONAL PORTS, AK 102727	FEAS		JULIE L ANDERSON	907-753-5685	JULIE.L.ANDERSON@POA.USACE.ARMY.MIL
ANCHORAGE HARBOR DEEPENING AK 102725	FEAS	Oct-15	ANDREA B ELCONIN	907-753-5680	ANDREA.B.ELCONIN@POA.USACE.ARMY.MIL
ATKA HARBOR			BOGUSLAW WIERZBICKI	907-753-5778	BOGUSLAW.J.WIERZBICKI@POA.USACE.ARMY.MIL
BARROW COASTAL SDR 102411	FEAS	Oct-12	ANDREA B ELCONIN	907-753-5680	ANDREA.B.ELCONIN@POA.USACE.ARMY.MIL
COFFMAN COVE, AK 102827	FEAS	Aug-12	BOGUSLAW J WIERZBICKI	907-753-5778	BOGUSLAW.J.WIERZBICKI@POA.USACE.ARMY.MIL
CRAIG HARBOR IMPROVEMENT 102831	FEAS	Aug-14	JULIE L ANDERSON	907-753-5685	JULIE.L.ANDERSON@POA.USACE.ARMY.MIL
DELONG MOUNTAIN TERMINAL AK 102734	FEAS	Nov-13	JULIE L ANDERSON	907-753-5685	JULIE.L.ANDERSON@POA.USACE.ARMY.MIL
EKLUTNA WATERSHED, AK 102775	FEAS	Mar-12	DAVID A MARTINSON	907-753-2668	DAVID.A.MARTINSON@POA.USACE.ARMY.MIL
HAINES HARBOR 102793	PED	Aug-09	JULIE L ANDERSON	907-753-5685	JULIE.L.ANDERSON@POA.USACE.ARMY.MIL
HOMER HARBOR 103546	FEAS	Jan-14	ANDREA B ELCONIN	907-753-5680	ANDREA.B.ELCONIN@POA.USACE.ARMY.MIL
KENAI RIVER BLUFF EROSION 102790	FEAS		DAVID A MARTINSON	907-753-2668	DAVID.A.MARTINSON@POA.USACE.ARMY.MIL
KLAWOCK HARBOR, AK 102799	FEAS	Jan-12	JULIE L ANDERSON	907-753-5685	JULIE.L.ANDERSON@POA.USACE.ARMY.MIL
KNIK ARM BRIDGE 102803	FEAS	Apr-14	BOGUSLAW J WIERZBICKI	907-753-5778	BOGUSLAW.J.WIERZBICKI@POA.USACE.ARMY.MIL
KOTZEBUE HARBOR 102737	FEAS	Jul-11	DAVID P WILLIAMS	907-753-5621	DAVID.P.WILLIAMS@POA.USACE.ARMY.MIL
LITTLE DIOMEDE HARBOR 102808	FEAS	May-13	DAVID P WILLIAMS	907-753-5621	DAVID.P.WILLIAMS@POA.USACE.ARMY.MIL
MATANUSKA WATERSHED 125495	FEAS	Oct-07	DAVID A MARTINSON	907-753-2668	DAVID.A.MARTINSON@POA.USACE.ARMY.MIL
MCGRATH BANK STABLIZATION 102818	FEAS	Mar-16	ANDREA B ELCONIN	907-753-5680	ANDREA.B.ELCONIN@POA.USACE.ARMY.MIL
MEKORYUK HARBOR 102924	FEAS	Sep-12	JULIE L ANDERSON	907-753-5685	JULIE.L.ANDERSON@POA.USACE.ARMY.MIL
PORT LIONS HARBOR AK 102493	PED	Aug-12	JULIE L ANDERSON	907-753-5685	JULIE.L.ANDERSON@POA.USACE.ARMY.MIL
UNALAKLEET HARBOR AK 102932	PED	Apr-10	JULIE L ANDERSON	907-753-5685	JULIE.L.ANDERSON@POA.USACE.ARMY.MIL
VALDEZ HARBOR EXPANSION AK 102769	FEAS	Sep-06	DAVID A MARTINSON	907-753-2668	DAVID.A.MARTINSON@POA.USACE.ARMY.MIL
YAKUTAT 105148	FEAS		DAVID P WILLIAMS	907-753-5621	DAVID.P.WILLIAMS@POA.USACE.ARMY.MIL
KETCHIKAN NAVIGATION IMPROVEMENTS AK 103549	FEAS	Mar-12	DAVID A MARTINSON	907-753-2668	DAVID.A.MARTINSON@POA.USACE.ARMY.MIL
WHITTIER BREAKWATER (GI) 102849	FEAS	Oct-13	ANDREA B ELCONIN	907-753-5680	ANDREA.B.ELCONIN@POA.USACE.ARMY.MIL
PLANNING ASSISTANCES TO STATES					

RECON - Reconnaissance Study
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KIVALINA PAS 102419	RECON	Jul-07	ANDREA B ELCONIN	907-753-5680	ANDREA.B.ELCONIN@POA.USACE.ARMY.MIL
WRANGELL WATERSUPPLY 125690	RECON		BOGUSLAW J WIERZBICKI	907-753-5778	BOGUSLAW.J.WIERZBICKI@POA.USACE.ARMY.MIL
CONSTRUCTION GENERAL					
AKUTAN HARBOR AK 102438	PED	Oct-10	BOGUSLAW J WIERZBICKI	907-753-5778	BOGUSLAW.J.WIERZBICKI@POA.USACE.ARMY.MIL
BETHEL BANK STABILIZATION 102728	CONST	Oct-08	ANDREA B ELCONIN	907-753-5680	ANDREA.B.ELCONIN@POA.USACE.ARMY.MIL
CHIGNIK HARBOR AK PHASE II 102452	CONST	Dec-08	BOGUSLAW J WIERZBICKI	907-753-5778	BOGUSLAW.J.WIERZBICKI@POA.USACE.ARMY.MIL
DILLINGHAM EMERG BANK STABILIZATION AK 103550	PED	Sep-09	DAVID WILLIAMS	907-753-5621	DAVID.P.WILLIAMS@POA.USACE.ARMY.MIL
FALSE PASS HARBOR AK 102464	CONST	Jan-09	BOGUSLAW J WIERZBICKI	907-753-5778	BOGUSLAW.J.WIERZBICKI@POA.USACE.ARMY.MIL
GALENA EMERGENCY BANK STABILIZATION PHASE II 102450	CONST	Oct-07	ANDREA B ELCONIN	907-753-5680	ANDREA.B.ELCONIN@POA.USACE.ARMY.MIL
HAINES HARBOR 102793	CONST	Aug-11	JULIE L ANDERSON	907-753-5685	JULIE.L.ANDERSON@POA.USACE.ARMY.MIL
KAKE DAM 102458	CONST	Jan-07	BOGUSLAW J WIERZBICKI	907-753-5778	BOGUSLAW.J.WIERZBICKI@POA.USACE.ARMY.MIL
NOME HARBOR IMPROVEMENTS AK 102473	CONST	Apr-07	JULIE L ANDERSON	907-753-5685	JULIE.L.ANDERSON@POA.USACE.ARMY.MIL
SAND POINT HARBOR AK 102741	CONST	Sep-07	BOGUSLAW J WIERZBICKI	907-753-5778	BOGUSLAW.J.WIERZBICKI@POA.USACE.ARMY.MIL
PHASE I SAINT PAUL HARBOR - IMPROVEMENTS 102492	CONST	Jan-02	ANDREA B ELCONIN	907-753-5680	ANDREA.B.ELCONIN@POA.USACE.ARMY.MIL
PHASE II SAINT PAUL HARBOR - DREDGING 102492	CONST	Sep-05	ANDREA B ELCONIN	907-753-5680	ANDREA.B.ELCONIN@POA.USACE.ARMY.MIL
PHASE III SAINT PAUL HARBOR - SMALL BOAT HARBOR 102492	CONST	Sep-08	ANDREA B ELCONIN	907-753-5680	ANDREA.B.ELCONIN@POA.USACE.ARMY.MIL
SEWARD HARBOR AK 102743	CONST	Nov-03	BOGUSLAW J WIERZBICKI	907-753-5778	BOGUSLAW.J.WIERZBICKI@POA.USACE.ARMY.MIL
SITKA HARBOR, AK 102986	FEAS	Nov-11	DAVID A MARTINSON	907-753-2668	DAVID.A.MARTINSON@POA.USACE.ARMY.MIL
UNALASKA HARBOR 101512	CONST	Jul-09	BOGUSLAW J WIERZBICKI	907-753-5778	BOGUSLAW.J.WIERZBICKI@POA.USACE.ARMY.MIL
WRANGELL HARBOR AK 102496	CONST	Mar-05	BOGUSLAW J WIERZBICKI	907-753-5778	BOGUSLAW.J.WIERZBICKI@POA.USACE.ARMY.MIL
SECTION 205 - TRIBAL PARTNERSHIP					
SHISHMAREF 102430	PED		DAVID P WILLIAMS	907-753-5621	DAVID.P.WILLIAMS@POA.USACE.ARMY.MIL
KAKTOVIK 102430	PED		DAVID P WILLIAMS	907-753-5621	DAVID.P.WILLIAMS@POA.USACE.ARMY.MIL
BETHEL 102430	PED		ANDREA B ELCONIN	907-753-5680	ANDREA.B.ELCONIN@POA.USACE.ARMY.MIL
DILLINGHAM 102430	PED		DAVID P WILLIAMS	907-753-5621	DAVID.P.WILLIAMS@POA.USACE.ARMY.MIL
UNALAKLEET 102430	PED		JULIE L ANDERSON	907-753-5685	JULIE.L.ANDERSON@POA.USACE.ARMY.MIL
KIVALINA 102430	PED		ANDREA B ELCONIN	907-753-5680	ANDREA.B.ELCONIN@POA.USACE.ARMY.MIL

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NEWTOK 102430	PED		ANDREA B ELCONIN	907-753-5680	ANDREA.B.ELCONIN@POA.USACE.ARMY.MIL
ALASKA BASELINE EROSION STUDY 102430	PED		MELANIE A HARROP	907-753-5694	MELANIE.A.HARROP@POA.USACE.ARMY.MIL
SECTION 117 - Alaska Coastal Erosion					
SHISHMAREF	CONST		DAVID P WILLIAMS	907-753-5621	DAVID.P.WILLIAMS@POA.USACE.ARMY.MIL
KAKTOVIK	AF		DAVID P WILLIAMS	907-753-5621	DAVID.P.WILLIAMS@POA.USACE.ARMY.MIL
BETHEL	AF		DAVID P WILLIAMS	907-753-5680	ANDREA.B.ELCONIN@POA.USACE.ARMY.MIL
KOYUKUK	AF		DAVID P WILLIAMS	907-753-5621	DAVID.P.WILLIAMS@POA.USACE.ARMY.MIL
UNALAKLEET	PED		JULIE L ANDERSON	907-753-5685	JULIE.L.ANDERSON@POA.USACE.ARMY.MIL
KIVALINA	PED		ANDREA B ELCONIN	907-753-5680	ANDREA.B.ELCONIN@POA.USACE.ARMY.MIL
NEWTOK	FEAS		ANDREA B ELCONIN	907-753-5680	ANDREA.B.ELCONIN@POA.USACE.ARMY.MIL
BARROW	FEAS		ANDREA B ELCONIN	907-753-5680	ANDREA.B.ELCONIN@POA.USACE.ARMY.MIL
POINT HOPE	AF		DAVID P WILLIAMS	907-753-5621	DAVID.P.WILLIAMS@POA.USACE.ARMY.MIL
CAP SECTION 103 -STORM DAMAGE REDUCTION					
UNALAKLEET STORM DAMAGE REDUCTION 102933	FEAS	Oct-11	JULIE L ANDERSON	907-753-5685	JULIE.L.ANDERSON@POA.USACE.ARMY.MIL
FORT YUKON FLOOD CONTROL 102844	FEAS	Nov-11	JULIE L ANDERSON	907-753-5685	JULIE.L.ANDERSON@POA.USACE.ARMY.MIL
SALCHA FLOOD DAMAGE REDUCTION 102881	FEAS	Sep-12	DAVID P WILLIAMS	907-753-5621	DAVID.P.WILLIAMS@POA.USACE.ARMY.MIL

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CAP SECTION 14 - STREAMBANK PROTECTION					
DEERING 102913	CONST	Sep-07	DAVID A MARTINSON	907-753-2668	DAVID.A.MARTINSON@POA.USACE.ARMY.MIL
SHISHMAREF 102877	CONST	Dec-05	DAVID P WILLIAMS	907-753-5621	DAVID.P.WILLIAMS@POA.USACE.ARMY.MIL
KWETHLUK 102912			MELANIE A. HARROP	907-753-5694	MELANIE.A.HARROP@POA.USACE.ARMY.MIL
CAP SECTION 1135 - PROJ MOD FOR IMPROVE ENVIRN					
CAP SECTION 206 ECOSYSTEM RESTORATION					
CHESTER CREEK RESTORATION AK 102882	CONST	Mar-07	DAVID A MARTINSON	907-753-2668	DAVID.A.MARTINSON@POA.USACE.ARMY.MIL
NORTHWAY, MARK CREEK AK 102893	CONST	Jan-08	DAVID A MARTINSON	907-753-2668	DAVID.A.MARTINSON@POA.USACE.ARMY.MIL
EKLUTNA, AK 125334	FEAS	Dec-09	DAVID A MARTINSON	907-753-2668	DAVID.A.MARTINSON@POA.USACE.ARMY.MIL
BLACK LAKE, CHIGNIK 102889	FEAS	Dec-10	DAVID A MARTINSON	907-753-2668	DAVID.A.MARTINSON@POA.USACE.ARMY.MIL
IIS					
USCG --CORDOVA HARBOR IMPROVEMENTS 123019	CONST	Dec-06	BOGUSLAW J WIERZBICKI	907-753-5778	BOGUSLAW.J.WIERZBICKI@POA.USACE.ARMY.MIL
FAA -- JUNEAU AIRPORT LIGHTS, 120961	CONST	Sep-08	BOGUSLAW J WIERZBICKI	907-753-5778	BOGUSLAW.J.WIERZBICKI@POA.USACE.ARMY.MIL
FAA--Big Level Island, Petersburg	RECON		BOGUSLAW J WIERZBICKI	907-753-5778	BOGUSLAW.J.WIERZBICKI@POA.USACE.ARMY.MIL
USFS -- YAKUTAT (DRILLING)	CONST	Sep-06	DAVID P WILLIAMS	907-753-5621	DAVID.P.WILLIAMS@POA.USACE.ARMY.MIL
MARAD -- SHIP CREEK MARSH DESIGN	CONST	Dec-05	ANDREA B ELCONIN	907-753-5680	ANDREA.B.ELCONIN@POA.USACE.ARMY.MIL
MARAD -- ANCH HARBOR SED CHARACT	CONST	Oct-06	ANDREA B ELCONIN	907-753-5680	ANDREA.B.ELCONIN@POA.USACE.ARMY.MIL
NOAA -- OPERATION BUILDING	CONST	Sep-09	ROBERT A JOHNSTON	907-753-5645	ROBERT.A.JOHNSTON@POA.USACE.ARMY.MIL
NOAA -- MODULAR UNITS	CONST	Nov-05	ROBERT A JOHNSTON	907-753-5645	ROBERT.A.JOHNSTON@POA.USACE.ARMY.MIL
ADOT - Safety Sound LIDAR	PED				
NOAA Work Stations for Modular Units	CONST	Mar-06	ROBERT A JOHNSTON	907-753-5645	ROBERT.A.JOHNSTON@POA.USACE.ARMY.MIL
Guard House Renovation	CONST	Sep-06	ROBERT A JOHNSTON	907-753-5645	ROBERT.A.JOHNSTON@POA.USACE.ARMY.MIL
NOAA -- ELECTRICAL DISTRIBUTION UPGRADE	CONST	Sep-05	ROBERT A JOHNSTON	907-753-5645	ROBERT.A.JOHNSTON@POA.USACE.ARMY.MIL

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