


MEMORANDUM

TO: Council, AP and SSC Members

FROM: Clarence G. Pautzke 
Executive Director

DATE: April 18, 1990

SUBJECT: Habitat Update

ACTION REQUIRED

Receive status report on habitat issues.

BACKGROUND

Trustee's Council Activities

The Trustees approved twenty-six fish/shellfish Natural Resource Damage Assessment (NRDA) projects last year. Fifteen will be continued in 1990 and four new studies added. Fish and shellfish projects include salmon (over half the pink salmon from Prince William Sound are intertidal spawners; their eggs and fry could be re-oiled each tidal cycle), herring, spot shrimp, rockfish, clams, and Dolly Varden. Trawl-collected groundfish and shellfish will be analyzed for hydrocarbons. Preliminary data analysis from first-year studies indicate both lethal and sublethal effects on some species. (The Trustee's Council is composed of the local agency directors of the Alaska Department of Fish and Game, U.S. Department of Agriculture, Environmental Protection Agency, U.S. Department of Commerce, and the U.S. Department of the Interior.)

Exxon to Return to Soiled Beaches May 1

On March 15, 1990, Exxon announced its preliminary oil spill clean-up plans for 1990, which will commence on May 1. While the document doesn't specify numbers of shoreline segments to be cleaned or how many people and boats will be needed, Exxon indicated the levels would be substantially below 1989 levels. Their primary focus will be on beaches still requiring significant work using highly mobile work units and techniques which will allow clean-up work to be performed in the least intrusive manner.

Oil Spill Legislation

Last November the House approved legislation which would allow states to have tougher anti-spill laws than the federal government. In addition, the House set new liability standards on the oil and shipping industry for spills. It also approved a provision lifting all liability limits for accidents caused by gross negligence or willful misconduct. The latter provision has been criticized since some people believe gross negligence or willful misconduct is difficult to prove in court.

This legislation has now stalled in the Senate, with the two chambers deeply divided over the House insistence that the Senate ratify an international agreement on dealing with oil spills. This issue has stalled similar Congressional legislation for more than a decade. The agreement, written in 1984, would create an international fund for paying the costs of cleaning up oil spills and compensating victims. That fund would kick in after a spiller has paid all that is required under federal law; about \$100 million, and before a larger, industry-financed national spill fund is tapped. Senate critics claim that the international agreement would federally preempt state oil spill and liability laws. The legislation is in conference committee with no date set for further discussion.

Tongass Legislation

The Senate Energy Committee is reviewing a House bill to strengthen the habitat protective measures for anadromous fish streams in the Tongass National forest. The bill calls for 100-foot buffer zones along all Class I and II streams (which have major or secondary populations of anadromous fish, respectively) and many Class III streams which have no fish populations but do flow directly into the other streams. Several amendments have been introduced to modify the buffer zone requirements. The timber industry feels very strongly that the House bill would make too much timber unavailable and negatively impact jobs. NMFS, among others, disagrees, citing the importance of trees along salmon streams to protect against erosion of banks, provide natural debris in streams that offers protective habitat for juvenile fish, and to insulate against extreme temperatures which might otherwise result in fish kills. Energy Committee hearings have concluded and it is likely that this legislation will be passed to a Senate-House conference committee for resolution.

Other Habitat Items

As I reported last September, Council staff has been placed on the U.S. Army Corps of Engineers Permit Application mailing list and to date has reviewed 118 permits for significant impacts to the fisheries environment (item C-4(a)). Staff has concluded that none of the applications fall within the "significant" category.

U.S. ARMY CORPS OF ENGINEERS APPLICATIONS FOR PERMITS

Date Received	Comment Due	Reference #	Brief Description
October 6, 1989	Oct 13, 1989	P-850516	Kuskokwim River 103. Proposal to remove and temporarily stockpile an add'l 14,000 cy of gravel from a gravel bar below the ordinary high water mark of the Kuskokwim River near Aniak, AK.
October 10, 1989	Nov 6, 1989	1-890399	Sumner Strait 107. Proposal to place an oyster farm raft culture in navigable waters of U.S. 195 rafts, 4'w x 20'l and a 20'w x 40'l work station.
October 10, 1989	Nov 3, 1989	4-890411	Chuckchi Sea 37. Proposal to place 80,000 cy of gravel into 11.1 acres of wet tundra to construct fdn for building pad, access roads, and parking for new school facility.
October 10, 1989	Nov 6, 1989	2-890391	Kenai River 249. Place approx 20 cy of 8"x11" boulders and 50 cys of 4" to 6" rock fill over filter fabric, below the ordinary high water line, along a 135'l x 9'w section of Kenai River Bank; install 2 6'w x 10'l river access ladders.
October 10, 1989	Nov 3, 1989	2-890400	Wrangell Narrows 224. Construction of a 46'l x 12'w pile supported timber dock and a 100'l x 50'w warehouse, supported w/used creosote treated pilings; placement of fill material into the intertidal area to construct a dock approach ramp fill; etc.
October 10, 1989	Nov 3, 1989	1-890403	Polk Inlet 2. Proposal to moor a 100-person floating camp; 502'l x 220'w.
October 12, 1989	Nov 8, 1989	N-840272	Klawock Inlet 81. Proposed expansion of an intertidal fill.
October 25, 1989	Nov 23, 1989	1-890390	Kenai River 248. proposal to seasonally place 4 mooring buoys with 500 pound anchors in River.
October 25, 1989	Nov 23, 2989	4-890527	Chukchi Sea 38. Proposal to place approx 45,000 by of gravel into approx 8.4 acres of wet tundra

October 25, 1989	Nov 3, 1989	N-810425	Tongass Narrows 362. Install new, relocated, floating concrete breakwater to replace previous facility that failed at the site. U.S. Coast Guard.
October 25, 1989	Nov 10, 1989	2-890515	Kenai River 250. Discharge of approx 100 cy of rock fill to stabilize approx 25 ft of the bank, construct staris and floating dock.
November 1, 1989	Nov 24, 1989	4-890325	Little Hurrah Creek 1. Place approx 81,300 cy of fill material from mine site to construct 4 dam-like structures in approx 12.5 acres of waters in along Little Hurrah Creek.
November 1, 1989	?	SPN 89-6	Notice of advance identification of possible disposal sites in the city and borough of Juneau, AK.
November 1, 1989	?	GP-89-02	Temporary floating A-frame log transfer facilities in all marine waters within S/E AK, subject to coastal zone consistency review.
November 3, 1989	Dec 1, 1989	4-890553	Shaviovik River 1. Backfill of approx 6,500 cy into a reserve pit area in connection with the construction of an exploratory well on the North Slope.
November 8, 1989	Dec. 4, 1989	2-890544	Kenai River 251. Place approx 11 cy of Rip-Rap and 136.5 sq ft of Typar below ordinary high water mark along approx 27' of riverbank.
November 8, 1989	Dec. 4, 1989	4-890389	Marilee Lake 1. Place approx 16,000 cy of pit-run gravel into approx 1.32 acres of wetlands to construct a segment of new Burma Road.
November 8, 1989	Dec. 6, 1989	P-860806	Knik Arm 107. Discharge approx 1,500,000 cy of clean, free-draining material from new Municipal Landfill over filter fabric . . . construction of a multipurpose dock.
November 13, 1989	Dec. 8, 1989	4-870388	Resurrection Bay 84. Modification of previous application to place gravel fill in designated wetlands area to access boat and equipment storage and repair facility.
November 19, 1989	Dec. 13, 1989	M-740018	Cook Inlet 183. Construct an extension to an existing dock in navigable waters.
November 20, 1989	Dec. 4, 1989	M-750209	Delta River 1. Temporarily discharge 13,000 cy of dredged and fill material below the ordinary high water mark of Phelan Creek during pipeline repairs.

November 27, 1989	Dec. 22, 1989	4-89045	Kenai River 253. Discharge 650 cy of fill material into wetlands near Kenai airport for facility pad and access road.
November 29, 1989	Dec. 25, 1989	N-800339	Beaufort Sea 136. Backfill approx. 100,000 cy of overburden into an area in connection with the construction of a permanent oily waste disposal area.
December 14, 1989	Dec. 29, 1989	2-890565	Windy Bay 1. Construction of a non-violent log transfer facility, intertidal rock fill.
December 13, 1980	Jan. 4, 1990	4-890167	Isanotski Strait 11. Place 500 cy of fill material into 0.4 acres of waters (wetlands) during construction of tank farm retention dikes.
December 13, 1989	Jan. 3, 1990	M-870002	Thorne Bay 41. Construct walkway, boat house and 2 airplane ramps.
December 14, 1989	Jan. 15, 1990	4-890604	Place approx. 459,079 cy of fill material into wetlands and place approx. 10,516 cy of riprap below ordinary high water mark of 7 streams to reconstruct 9/4 miles of the Nome-Council Highway.
December 14, 1989	Jan. 12, 1990	4-890371	Big Lake 32. Place approx. 563 cy of gravel fill on geotextile fabric in wetlands to construct a cabin pad.
December 14, 1989	Jan. 11, 1990	2-880519	Naknek River 38. Work associated with a floating dock for the Quinnet Landing Hotel, King Salmon, AK.
December 14, 1989	Jan. 10, 1990	4-890602	Kuparuk River 113. Backfill approx 5,560 cy of overburden into approx. 0.35 acres of wet tundra to closeout a reserve pit at the exploratory well site Rock Flour #2.
December 18, 1989	Jan. 15, 1990	1-890571	Tongass Narrows 468. Drive 576 creosote treated piling.
December 18, 1989	Jan. 12, 1990	N-840469	Womans Bay 12. Rehabilitate and reconstruct an existing pile-supported dock.
December 18, 1989	Jan. 12, 1990	2-890609	Kuskokwim River 126. Dredge and temporarily stockpile approx 15,000 cy of sand and gravel per year, for three years, from below ordinary high water mark of the Kuskokwim River.
December 18, 1989	Jan. 12, 1990	2-890520	Captains Bay 20. Place approx 300,810 cy of fill and construct a bulkhead in Navigable waters covering approx 9.0 surface acres of marine aquatic habitat.

December 20, 1989	Jan. 17, 1990	1-890345	Kenai River 247. Seasonal placement and removal of 21 mooring buoys, associated anchors, and connecting chains in the Kenai River.
January 2, 1990	Jan. 26, 1990	4-890166	Gastineau Channel 421. Discharge approx. 900 cy of clean fill material into wetlands adjacent to Gastineau Channel, construct an access road and bldg pad for private residence.
January 3, 1990	Jan. 26, 1990	2-880497	Captains Bay 18. Place approx 8,400 cy of shotrock below the high tide line of navigable waters of the U.S. to control and prevent future erosion of shoreline.
January 3, 1990	Jan. 26, 1990	4-890530	Jordan Creek 11. Discharge approx 50 cy of dredged material to be topped w/2" of asphalt by leveling approx 0.14 acres of wetlands adjacent to Jordan Creek.
January 4, 1990	Jan. 26, 1990	M-860276	Port Frederick 57. Construct timber pile dock facility.
January 22, 1990	Feb 9, 1990	4-890607	Casa Del Sol Creek 1. Discharge approx. 960 cy of gravel and riprap mat'l in approx 0.2 acres of wetlands and 0.06 acres of streambed.
January 22, 1990	Feb 9, 1990	4-890666	Tanana River 112. Place approx. 83,000 cy of fill mat'l into approx 9158 acres of wetlands and waters of US to upgrade existing road.
January 22, 1990	Feb 12, 1990	1-890668	Thorne Arm 7. Construct log transfer facility requiring installment of two 75' logs perpendicular to the beach line and a 1000' long log standing boom secured on the water end with an anchor and a rock bolt in a reef.
January 22, 1990	Feb 17, 1990	4-890594	Chena River 132. Place approx 125,160 cy of dredged mat'l into approx 7.75 acres of wetlands located around an existing gravel pit.
January 22, 1990	Feb 17, 1990	4-890518	Pitka Creek 1. Place 38.25 cy of silty gravel within a container constructed of steel plates, below the ordinary high water mark of Pitka's Creek.
January 22, 1990	Feb 17, 1990	2-890670	Clarence Strait 83. Construction of log transfer facility.

January 24, 1990	Feb 22, 1990	2-890669	Moose River 5. Discharge approx 94,350 cy gravel and riprap fill mat'l in approx 5 acres of wetlands and 0.2 acre of streambed below ordinary high water mark.
January 24, 1990	Feb 22, 1990	M-880895	Ship Creek 12. Discharge approx 3,500 cy gravel and riprap fill mat'l below the mean high water mark for culvert extension installtion.
January 24, 1990	Feb 21, 1990	2-890522	Kasilof River 88. Discharge approx 5,000-7,000 cy gravel fill into approx .47 acres of wetlands and tideflats, construct steel dock w/att floating dock, boat ramp, and gird.
January, 24, 1990	Feb 21, 1990	2-890611	Kenai River 254. Place approx 10 cy of 12" to 18" riprap over filter fabric below the ordinary high water line, along a 30' section of Kenai riverbank.
January 29, 1990	Feb. 22, 1990	1-890701	Flat Bay 1. Place approx eight wooden racks in waters of U.S. for commercial mussel mariculture.
January 29, 1990	Feb. 23, 1990	M-860002	Arctic Ocean 11. Place approx 240,000 cy of fill material into approx 16.5 acres of wet tundra to upgrade existing airport.
January 29, 1990	Feb. 23, 1990	4-890413	Bodenburg Creek 1. Place 200 cy fill material below ordinary high water mark of Bodenburg Creek.
January 31, 1990	Feb. 28, 1990	2-890517	Twelvemile Arm 1. Construct a log transfer facility in tidal waters.
January 31, 1990	Feb. 28, 1990	4-890321	Nome Creek 1. Place approx. 20,000 cy fill material into approx two acres of waters of U.S.
February 2, 1990	March 2, 1990	M-820015	Sitka Sound 193. Modify existing facility in navigable waters of U.S., place approx 300 cy fill material below high tide line; place two add'l floats waterward of an existing float.
February 5, 1990	March 5, 1990	2-850259 2-850260 2-850261	Cook Inlet 330, 331, 332. Req cmts on final EIS for Diamond Chuitna Project (mine, port, transportation systems and housing facilities.
February 8, 1990	March 22, 1990	4-900028	Knik Arm 116. Discharge approx 10 cy of fill mat'l in wetlands in Eklutna Flats area, in connection w/survey subsurface mat'ls in connection w/proposed Eklutna to Parks Hwy reconstruction project.

February 8, 1990	March 7, 1990	1-890681	Swanson Harbor 1. Place two log float strings approx 100 ft in length over a growing area; each log float will hold 10 oyster trays.
February 8, 1990	March 7, 1990	1-890572	Kashevarof Passage 13. Place approx. 50 rafts over a growing area, plus a work float and nursery float, in connection w/commercial oyster mariculture project.
February 8, 1990	March 7, 1990	2-890543	Sitka Sound 247. Discharge approx 4,000 cy of fill mat'l below high tide line of Sitka Sound for construction of a pad in connection with const of a boat repair and storage facility.
February 9, 1990	March 9, 1990	4-890671	Vanderbilt Creek 5. Discharge approx 48,000 cy of fill material in wetlands for construction of a middle school complex.
February 9, 1990	March 9, 1990	1-890710	Resurrection Bay 90. Install a fixed pier and construct connecting gangway and floating dock. To provide recreational access for boat users to the Caines Head State Recreational Area.
February 20, 1990	None	None	Listing of actions taken and current status of permits.
February 20, 1990	Mar 12, 1990	4-890574	Mill Bay 2. Place fill material at lower end of Seabreeze Circle to support sewage lift station, etc.
February 20, 1990	Mar 15, 1990	2-890580	Captains Bay 21. Maintain a barge at its present mooring site near the Amaknak Bridge connecting Unalaska to Dutch Harbor; land-based anchors, storm anchor.
February 20, 1990	-Public Hearing on request	General Permit 90-1	General permit for discharge of dredged and/or fill material within certain areas of Nome, Alaska.
February 20, 1990	Mar 16, 1990	4-900005	Little Susitna River 11. Place two fills using a total of 42,800 cy of gravel to extend the proposed South Big Lake to Little Susitna River road for ultimate construction of an arterial highway.
February 20, 1990	Mar 16, 1990	M-820160	Dietrich River 24. Place approx 2,000 cy of embankment fill and 3,500 cy of riprap in wetlands adjacent to and in the Dietrich River to construct a revetment structure along the river.
February 22, 1990	March 19, 1990	M-810151	Beaufort Sea 188. Place approx 88,000 cy of gravel into approx 7.85 acres of wet tundra to construct a waste mgmt facility.

February 22, 1990	Mar 22, 1990	2-890707	Sitka Sound 250. Construct intertidal breakwater and fill.
February 26, 1990	None	SPN 90-2	Notice of Final Rule - establishment of five restricted areas in the waters of the West Arm of the Behm Canal, north of Ketchikan, AK, in connection with Navy activities.
March 1, 1990	Mar 30, 1990	4-870114	Kotzebue Sound 49. Place approx 35,000 cy of upland gravel into waters (wetlands) during construction of foundation for hospital.
March 1, 1990	Mar 30, 1990	4-860385	Cripple Creek 2. Discharge 56,500 cy of fill material below high water mark, road construction.
March 1, 1990	Mar 28, 1990	4-860307	Sevena Lake 1. Retain 8,800 cy fill material placed in wetlands in 1986 to widen gravel road.
March 5, 1990	Apr 2, 1990	0-840184	Ship Creek 7. Place fill material, perform dredging and maintenance dredging, construct dock facilities.
March 6, 1990	Apr 2, 1990	0-860008	Yukon River 91. Discharge 27,500 cy of dredged and fill material below high water mark; access road construction.
March 8, 1990	Apr 5, 1990	4-900068	Totatlanika River 3. Place approx 63,000 cy of material into waters of U.S., in conjunction with placer mining activities.
March 8, 1990	Apr 5, 1990	4-890562	Bering Sea 54. Place approx 12,000 cy of sand fill into approx 1.19 acres of waters (wetlands) of the U.S.
March 8, 1990	Apr 2, 1990	4-900053	Yukon River 110. Discharge 27,500 cy fill material in wetlands adjacent to Yukon River, runway expansion.
March 9, 1990	Apr 6, 1990	1-890695	Wrangell Narrows 227. Place one 30' double surface longline and stakes in the tidelands of Wrangell Narrows, commercial shellfish mariculture.
March 9, 1990	Apr 6, 1990	1-890694	Wrangell Narrows 226. Similar to above, commercial experimental shellfish mariculture.
March 9, 1990	Apr 6, 1990	4-900079	Henderson River 1. Place approx 620 cy of fill material below high water mark of Henderson River during construction of a bridge.

March 9, 1990	Apr 6, 1990	2-900065	Captains Bay 22. Place fill material into navigable waters of U.S. during placement of a submarine utility waterline.
March 12, 1990	Mar 23, 1990	4-900075	Putuligayuk River 15. Place approx 14,200 cy of overburden into waters of the U.S. inside the Putuligayuk River 27 mine site.
March 12, 1990	Apr 11, 1990	4-900051	Ahtell Creek 1. Discharge 859,943 cy of fill material in 25 acres of wetlands in conjunction with highway upgrading project.
March 12, 1990	Apr 11, 1990	4-900072	Birch Lake 2. Place 20,000 cy of gravel fill over geotextile in waters (wetlands) of U.S. in conjunction with construction of a concrete boat ramp.
March 12, 1990	Apr. 11, 1990	2-900078	Gibson Cove 1. Place approx 50,800 cy of fill material into navigable waters of the U.S., to provide space and foundation for a fish meal processing facility.
March 16, 1990	Apr. 13, 1990	4-890388	Mill Bay 3. Retail approx 92,500 cy of fill material placed into 1.2 acres of wetlands for development of a subdivision.
March 16, 1990	Apr. 13, 1990	4-900003	Little Susitna River 10. Place approx 110 cy of gravel below the ordinary high water mark of the Little Susitna as a foundation for a concrete public use boat ramp.
March 16, 1990	Apr. 13	4-900074	Sagavanirktok River 139. Place approx 973 cy of gravel into approx 0.15 acres of wet tundra to construch a fuel gas pipeline pig receiver/launding pad, and an access road.
March 16, 1990	Apr. 13	N-870620	Tana River 106. Placement of approx 300,000 cy of fill material in 38 acres of waters of the U.S. to modify shallow water habitat of abandoned gravel pits adjacent to runway.
March 16, 1990	Apr. 13	4-890452	Kasilof River 85. Retain approx 200 cy of fill material and place an add'l 700 cy of fill material into 0.20 acre of wetlands to construct a road.
March 19, 1990	Apr. 16	APP 90-1	Request for an abbreviated processing procedure for activities related to oil and gas development in the North Slope Borough.
March 19, 1990	Apr. 13	4-900071	Finger Lake 1. Place approx. 200 cy of gravel backbill below the mean high water mark of Finger Lake during construction of a public use boat ramp.

March 19, 1990	Apr. 13	4-900067	Hammond River 3. Place up to approx 100,000 cy of dredged material into waters of the U.S. during bulk mineral sampling procedures.
March 23, 1990	Apr. 20	2-900061	Kazakof Bay 3. Discharge of fill into an intertidal area for construction of a beach road, two bridge approaches and three abutments.
March 23, 1990	Apr. 20	4-890742	Norton Sound 56. Place approx 1,000 cy of fill material into tundra wetlands area.
March 26, 1990	Apr. 20, 1990	4-890421	Totatlanika River 2. Discharge approx 28 cy fill material below ordinary high water mark of the river.
March 27, 1990	Apr. 25, 1990	2-890568	Dutch Harbor 5. Authorization to retain approx 1650 cy of shot rock fill material placed below the extreme high tide line of Dutch Harbor for erosion protection of a road.
March 27, 1990	Apr. 10, 1990	2-900081	Yukon River 111. Construct a permanent 160' long x 20' wide pier.
March 30, 1990	Apr. 26, 1990	4-890402	Chester Creek 32. Temporary stockpiling of approx 38,400 cy of excavated material during installment of a 48" diameter water transmission main.
March 30, 1990	Apr. 27, 1990	M-860802	Chilkat River 6. Place approx 400,000 cy of clean sand fill and 15,000 cy of riprap in wetlands and unvegetated sandy Chilkat River bottom for construction of a paved runway.
March 30, 1990	Apr. 27, 1990	4-890620	Porcupine Creek 1. Temporarily stockpile 578,000 cy of overburden into wetlands surrounding mining cuts.
April 2, 1990	Apr. 30, 1990	4-860664	Golden Creek 1. Place approx 445,000 cy overburden into shrub/scrub permafrost wetlands for placer mine operation.
April 4, 1990	May 5, 1990	2-900073	Koyukuk River 35. Remove approx 100,000 cy of fill material from an area below the ordinary high water line of the Koyukuk River to upgrade Hughes airport.
April 5, 1990	May 3, 1990	4-900108	Kenai River 255. Discharge approx 3,000 cy of sand and gravel into wetlands to construct road.
April 5, 1990	May 3, 1990	4-900130	Jordan Creek 13. Fill approx. 2.3 acres of wetlands w/14,000 cy of clean sand and gravel to shore up building foundation.

April 6, 1990	May 4, 1990	2-900105	Knik Arm 117. Place 2,475,000 cy of fill into 109.87 acres of wetlands and navigable waters of the U.S. for highway and bridge reconstruction.
April 6, 1990	May 4, 1990	1-890564	El Capitan Passage 19. Install a wide log floatcamp with water and sewer lines.
April 6, 1990	May 4, 1990	1-890682	Puget Cove 1. Anchor a floating moorage dock extending from the shore above high tide line into the waterway and place rafts into navigable waters for commercial oyster mariculture.
April 6, 1990	May 4, 1990	2-890772	Gastineau Channel 422. Expand Alaska Marine Lines cargo storage and handling area at existing facility; discharge approx 55,000 cy of fill material.
April 6, 1990	None	SPN 90-3	Special public notice of review of proposed Hoonah Sound Spawn-on-Kelp Fishery which will use anchored floating net pens in navigable waters of the U.S. Lists areas where pens will not be allowed because of hazards to navigation, and conditions which must be met to use the pens during this fishery.
April 13, 1990	May 11, 1990	M-890171	Kasilof River 84. Dredging material from below high water line and discharging approx 10,000 cy of gravel fill and dredged material into 2.2. acres of wetlands below the high tide line; install riprap and gabions over fabric below the HTL; install wet pump line, outfall line, and 2 steel anchors below the high water line to moor a fish barge seasonally.
April 13, 1990	May 11, 1990	2-890773	Discharge approx 23,000 cy of granular fill material and construct a sheet-pile bulkhead or dike in Gastineau Channel to expand cargo storage and handling area at existing Alaska Marine Lines Cargo facility.
April 13, 1990	May 11, 1990	2-890766	Lemon Creek 9. Dredge and stockpile 20,000 cy of sand and gravel per year for next 10 years to obtain sand and gravel material for processing into concrete and asphalt products.
April 13, 1990	May 11, 1990	M-880354	Clarence Strait 81. Anchor a maximum of 28 strings of oyster culture rafts within a 3-acre boundary for commercial oyster mariculture.
April 13, 1990	May 11, 1990	1-900153	Clover Passage 32. Install an access float and private mooring float in navigable waters of the U.S.
April 13, 1990	May 11, 1990	4-890762	Salmon Creek 9. Discharge approx 1,200 cy of fill material into .40 acres of wetlands to widen road.

April 15, 1990	May 11, 1990	4-900163	Beaufort Sea 428. Place approx 800,000 cy of gravel into waters of U.S. to expand an existing exploratory pad site.
April 16, 1990	May 14, 1990	0-850014	Cook Inlet 326. Place fill material, perform dredging, and construct docking facilities.
April 16, 1990	May 14, 1990	2-900147	Tongass Narrows 471. Expand and reconstruct existing ferry terminal.
April 16, 1990	May 14, 1990	4-860095	Sitkalidak Strait 1. Place approx 485,000 cy of fill into approx 25 acres of waters and wetlands of the U.S. in conjunction w/construction of an airport and associated structures.