

NEW EXEMPTIONS

Application No.	Exemption No.	Applicant	Regulation(s) affected	Nature of exemption thereof
8829-N	DOT-E 8829	Mountstun Division of Amalgamet, Inc., New York, NY.	49 CFR 173.154	To authorize transport of zinc skimmings which have been exposed to the weather, in non-DOT specification open top 20-foot freight containers, covered with heavy-duty plastic. (Modes 1, 3.)
8897-N	DOT-E 8897	Kerco, Inc., Hastings, NE.	49 CFR 178.19, 178.253, Part 173, Subpart F.	To authorize manufacture, marking and sale of non-DOT specification rotationally molded, linear low density polyethylene portable tanks, for shipment of corrosive materials. (Modes 1, 2.)
8898-N	DOT-E 8898	Petrolane Gas, Inc., Seattle, WA.	49 CFR 173.315	To authorize use of a non-DOT specification ASME Code stamped portable tank, for transportation of liquefied compressed gases. (Modes 1, 3.)
8902-N	DOT-E 8902	Thiokol Corp., Elkton, MD.	49 CFR 173.92	To authorize carriage of a rocket motor with igniters installed, in a non-DOT specification steel drum. (Mode 1.)
8906-N	DOT-E 8906	FMC Corp., Middleport, NY.	49 CFR 173.365	To authorize shipment of used, essentially empty containers with residual amounts of carbosulfon, packed in a non-DOT specification steel drum. (Mode 1.)
8913-N	DOT-E 8913	Eurotainer S.A., Paris, France.	49 CFR 173.119(a)(25)	To authorize use of non-DOT specification IMO Type 5 portable tanks, for shipment of flammable liquids. (Modes 1, 2, 3.)
8914-N	DOT-E 8914	Amerjet Intl., Fort Lauderdale, FL.	49 CFR 172.101, 172.204(c)(3), 173.27, 175.30(a)(1), 175.320(b), Part 107, Appendix B.	To authorize transport of certain Class A, B, and C explosives that are not permitted for air shipment or are in quantities greater than those prescribed for shipment by air. (Mode 4.)
8916-N	DOT-E 8916	Thiokol Corp., Huntsville, AL.	49 CFR 173.92	To authorize transport of a Class B rocket motor in a fiberboard tube with polystyrene foam cushioning. (Mode 1.)
8943-N	DOT-E 8943	BASF Wyandotte Corp., Parsippany, NJ.	49 CFR 173.154	To authorize shipment of a polyol filter cake classed as a flammable solid, in a non-DOT specification open top, metal cargo carrying box. (Mode 1.)
8947-N	DOT-E 8947	Townsend, Inc., Worcester, MA.	49 CFR 173.221	To authorize shipment of a small quantity of methyl ethyl ketone peroxide solution, in non-DOT specification polyethylene tube, packed in a DOT Specification 12B fiberboard box. (Mode 1.)
8952-N	DOT-E 8952	Trojan Corp., Salt Lake City, UT.	49 CFR 173.65	To authorize use of a DOT Specification 21C fiber drum, for transporting desensitized HMX (cyclotetramethylene tetranitramine). (Mode 1.)

EMERGENCY EXEMPTIONS

Application No.	Exemption No.	Applicant	Regulation(s) affected	Nature of exemption thereof
EE-N 8909	DOT-E 8909	McDonnell Douglas Corp., St. Louis, MO.	49 CFR 173.79(b), 173.92(b)	To authorize shipment of certain rocket motors with igniter installed. (Modes 1, 3.)

Denials

4108-X Request by Liquid Air Corporation, Dallas, TX to authorize shipment of liquefied argon, nitrogen and oxygen in non-DOT specification cargo tanks denied January 24, 1983.

Issued in Washington, DC, on February 15, 1983.

J. R. Grothe,

Chief, Exemptions Branch, Office of Hazardous Materials Regulation, Materials Transportation Bureau.

[FR Doc. 83-4449 Filed 2-23-83; 8:45 am]

BILLING CODE 4910-60-M

UNITED STATES INFORMATION AGENCY

Advisory Committee on Ethical Values; Meeting

The Advisory Committee on Ethical Values will hold its next meeting on Monday, February 28, 1983 from 10:00 a.m. to 1:00 p.m. in Room 600, 1750

Pennsylvania Avenue, N.W., Washington, D.C. The committee will discuss ways in which the Agency can more effectively explain the U.S. position on nuclear deterrence and arms control as related to Agency programming objectives. Due to recent inclement weather which caused some government scheduling problems, the

notice of this meeting for the Federal Register was delayed.

Dated: February 22, 1983.

Mary Jane Winnett,

Management Assistant, Management Plans, Analysis, and Directives Staff.

[FR Doc. 83-4900 Filed 2-23-83; 11:16 am]

BILLING CODE 5230-01-M

Sunshine Act Meetings

Federal Register

Vol. 48, No. 38

Thursday, February 24, 1983

This section of the FEDERAL REGISTER contains notices of meetings published under the "Government in the Sunshine Act" (Pub. L. 94-409) 5 U.S.C. 552b(e)(3).

CONTENTS

	Items
Federal Deposit Insurance Corporation.....	1-3
Federal Home Loan Bank Board.....	4-6
Federal Maritime Commission.....	7, 8
Federal Reserve System.....	9, 10
National Transportation Safety Board..	11
Occupational Safety and Health Review Commission.....	12, 13
Securities and Exchange Commission..	14

1

FEDERAL DEPOSIT INSURANCE CORPORATION

Agency Meeting

Pursuant to the provisions of the "Government in the Sunshine Act" (5 U.S.C. 552b), notice is hereby given that the Federal Deposit Insurance Corporation's Board of Directors will meet in open session at 2:00 p.m. on Monday, February 28, 1983, to consider the following matters:

Summary Agenda: No substantive discussion of the following items is anticipated. These matters will be resolved with a single vote unless a member of the Board of Directors requests that an item be moved to the discussion agenda.

Disposition of minutes of previous meetings.

Application for Federal deposit insurance:

Security Bank of Cairo, a proposed new bank to be located at 800 Commercial Avenue, Cairo, Illinois.

Applications for consent to merge and establish branches:

Bourbon-Agricultural Bank & Trust Company, Paris, Kentucky, an insured State nonmember bank, for consent to merge, under its charter and title, with North Middletown Deposit Bank, North Middletown, Kentucky, and to establish the sole office of North Middletown Deposit Bank as a branch of the resultant bank.

The Northwestern Bank, North Wilkesboro, North Carolina, an insured State nonmember bank, for consent to merge, under its charter and title, with Cabarrus Bank and Trust Company, Concord, North Carolina, a noninsured bank, and to establish the twelve offices of Cabarrus

Bank and Trust Company as branches of the resultant bank.

Application for consent to merge and establish one facility:

Benton Community Bank, Benton, Illinois, an insured State nonmember bank, for consent to merge, under its charter and title, with Ewing State Bank, Ewing, Illinois, and to establish the sole office of Ewing State Bank as a facility of the resultant bank.

Recommendation regarding the Corporation's assistance agreement involving an insured bank pursuant to section 13(e) of the Federal Deposit Insurance Act.

Recommendations regarding the liquidation of a bank's assets acquired by the Corporation in its capacity as receiver, liquidator, or liquidating agent of those assets:

Case No. 45,589-L: The Hamilton National Bank of Chattanooga, Chattanooga, Tennessee

Memorandum and Resolution re: South Side Bank, Chicago, Illinois

Memorandum and Resolution re: Final amendment to Part 303 of the Corporation's rules and regulations, entitled "Applications, Requests, Submittals, Delegations of Authority, and Notices of Acquisition of Control," which would provide that any petition for reconsideration of a denied request, application, or petition must be addressed to the Corporation's Board of Review where the initial request, application, or petition was denied by the Board of Review acting pursuant to authority delegated by the Board of Directors, except that action taken by the Board of Review on any enforcement matter brought under section 8 of the Federal Deposit Insurance Act shall be subject to review by the Board of Directors in accordance with section 303.13(o)(7).

Memorandum and Resolution re: Final amendments to Part 308 of the Corporation's rules and regulations, entitled "Rules of Practice and Procedures," which would implement provisions of the Garn-St Germain Depository Institutions Act of 1982: (1) That authorize the Corporation to compromise, modify, or remit certain civil money penalties; and (2) that allow the removal of a management official for any violation of the Depository Institutions Management Interlocks Act.

Memorandum and Resolution re: Proposed amendment to Part 309 of the Corporation's rules and regulations,

entitled "Disclosure of Information," which would: (1) Permit the Director of the Division of Bank Supervision to delegate his existing authority regarding the disclosure of reports of examination and other exempt records; and (2) permit the General Counsel or his designee to authorize Corporation personnel to testify on confidential information without the service of a subpoena.

Memorandum and Resolution re: FDIC regulations selected for review during 1983.

Reports of committees and officers:

Minutes of actions approved by the standing committees of the Corporation pursuant to authority delegated by the Board of Directors.

Reports of the Division of Bank Supervision with respect to applications or requests approved by the Director or Associate Director of the Division and the various Regional Directors pursuant to authority delegated by the Board of Directors.

Reports of the Director, Division of Liquidation:

Memorandum re: Sale of Residential Mortgage Loans to the Federal National Mortgage Association.

Memorandum re: Guidelines for the Sale of Real Estate/Servicing of Mortgage Loans—Revised.

Report of the Director, Division of Accounting and Corporate Services:

Memorandum re: Investment Management Report as of December 31, 1982.

Report of the General Counsel:

Memorandum re: Reports of Actions Approved Under Delegated Authority: Settlements of Claims, Attorneys' Fees Approved for Payment and Law Firms Retained.

Reports of the Director, Office of Corporate Audits and Internal Investigations:

Audit Report re: Corporate Assessment Income, dated June 15, 1982.

Audit Report re: Summary of Five Liquidation Site Audits, dated January 13, 1983

Discussion Agenda:

No matters scheduled.

The meeting will be held in the Board Room on the sixth floor of the FDIC building located at 550 17th Street, N.W., Washington, D.C.

Requests for information concerning the meeting may be directed to Mr. Hoyle L. Robinson, Executive Secretary of the Corporation, at (202) 389-4425.

Dated: February 18, 1983.

Federal Deposit Insurance Corporation.
 Hoyle L. Robinson
Executive Secretary.
 [S-255-83 Filed 2-22-83; 8:45 am]
 BILLING CODE 6714-01-M

2

FEDERAL DEPOSIT INSURANCE CORPORATION

Agency Meeting

Pursuant to the provisions of the "Government in the Sunshine Act" (5 U.S.C. 552b), notice is hereby given that at 2:30 p.m. on Monday, February 28, 1983, the Federal Deposit Insurance Corporation's Board of Directors will meet in closed session, by vote of the Board of Directors pursuant to sections 552b(c)(2), (c)(6), (c)(8), and (c)(9)(A)(ii) of Title 5, United States Code, to consider the following matters:

Summary Agenda: No substantive discussion of the following items is anticipated. These matters will be resolved with a single vote unless a member of the Board of Directors requests that an item be moved to the discussion agenda.

Notice of acquisition of control:

Southeast Mississippi Bank, Quitman, Mississippi.

Recommendations with respect to the initiation, termination, or conduct of administrative enforcement proceedings (cease-and-desist proceedings, termination-of-insurance proceedings, suspension or removal proceedings, or assessment of civil money penalties) against certain insured banks or officers, directors, employees, agents or other persons participating in the conduct of the affairs thereof:

Names of persons and names and locations of banks authorized to be exempt from disclosure pursuant to the provisions of subsections (c)(6), (c)(8), and (c)(9)(A)(ii) of the "Government in the Sunshine Act" (5 U.S.C. 552b(c)(6), (c)(8), and (c)(9)(A)(ii)).

Note: Some matters falling within this category may be placed on the discussion agenda without further public notice if it becomes likely that substantive discussion of those matters will occur at the meeting.

Discussion Agenda:

Application for consent to merge and establish branches:

The Banking Center, Waterbury, Connecticut, an insured mutual savings bank, for consent to merge, under its charter and title, with Woodbury Savings Bank, Woodbury, Connecticut, and to establish the three offices of Woodbury Savings Bank as branches of the resultant bank.

Applications pursuant to section 19 of the Federal Deposit Insurance Act for consent to service of a person convicted of an offense involving dishonesty or a

breach of a trust as a director, officer, or employee of an insured bank:

Names of persons and of banks authorized to be exempt from disclosure pursuant to the provisions of subsections (c)(6), (c)(8), and (c)(9)(A)(ii) of the "Government in the Sunshine Act" (5 U.S.C. 552b(c)(6), (c)(8), and (c)(9)(A)(ii)).

Personnel actions regarding appointments, promotions, administrative pay increases, reassignments, retirements, separations, removals, etc.:

Names of employees authorized to be exempt from disclosure pursuant to provisions of subsections (c)(2) and (c)(6) of the "Government in the Sunshine Act" (5 U.S.C. 552b(c)(2) and (c)(6)).

The meeting will be held in the Board Room on the sixth floor of the FDIC Building located at 550 17th Street, NW., Washington, D.C.

Requests for information concerning the meeting may be directed to Mr. Hoyle L. Robinson, Executive Secretary of the Corporation, at (202) 389-4425.

Dated: February 18, 1983.

Federal Deposit Insurance Corporation.

Hoyle L. Robinson,
Executive Secretary.

[S-254-83 Filed 2-22-83; 11:23 am]
 BILLING CODE 6714-01-M

3

FEDERAL DEPOSIT INSURANCE CORPORATION

Agency Meeting

Pursuant to the provisions of the "Government in the Sunshine Act" (5 U.S.C. 552b), notice is hereby given that at 3:25 p.m. on Friday, February 18, 1983, the Board of Directors of the Federal Deposit Insurance Corporation met in closed session, by telephone conference call, to consider a recommendation with respect to the initiation and conduct of a cease-and-desist proceeding against an insured bank (name and location of bank authorized to be exempt from disclosure pursuant to the provisions of subsections (c)(6), (c)(8), and (c)(9)(A)(ii) of the "Government in the Sunshine Act" (5 U.S.C. 552b(c)(6), (c)(8), and (c)(9)(A)(ii)).

In calling the meeting, the Board determined, on motion of Chairman William M. Isaac, seconded by Director Irvine H. Sprague (Appointive), concurred in by Director C. T. Conover (Comptroller of the Currency), that Corporation business required its consideration of the matter on less than seven days' notice to the public; that no earlier notice of the meeting was practicable; that the public interest did not require consideration of the matter

in a meeting open to public observation; and that the matter could be considered in a closed meeting pursuant to subsections (c)(6), (c)(8), and (c)(9)(A)(ii) of the "Government in the Sunshine Act" (5 U.S.C. 552b(c)(6), (c)(8), and (c)(9)(A)(ii)).

Dated: February 22, 1983.

Federal Deposit Insurance Corporation.

Hoyle L. Robinson,
Executive Secretary.

[S-263-83 Filed 2-22-83; 3:27 pm]
 BILLING CODE 6714-01-M

4

FEDERAL HOME LOAN BANK BOARD

TIME AND DATE: The Bank Board Meeting was held at 3:30 p.m., Friday, February 18, 1983.

PLACE: Board room, sixth floor, 1700 G Street, N.W., Washington, D.C.

STATUS: Open meeting.

CONTACT PERSON FOR MORE

INFORMATION: Mr. Lockwood (202-377-6679).

MATTERS TO BE CONSIDERED:

Application for Permission to Convert from Federal Mutual to Federal Stock Form—California Federal Savings and Loan Association, Los Angeles, California:

(Notice was sent to the Federal Register and posted at the earliest time)

[No. 17, February 22, 1983]

[S-264-83 Filed 2-22-83; 3:22 pm]

BILLING CODE 6720-01-M

5

FEDERAL HOME LOAN BANK BOARD

"FEDERAL REGISTER" CITATION OF PREVIOUS ANNOUNCEMENT: Vol. No. 48 FR. Page No. None at this time. Date to be published: Wednesday, February 23, 1983.

PLACE: Board room, sixth floor, 1700 G Street, N.W., Washington, D.C.

STATUS: Open meeting.

CONTACT PERSON FOR MORE

INFORMATION: Mr. Lockwood (202-377-6679).

CHANGES IN THE MEETING: The Bank Board meeting that was previously rescheduled for Wednesday, February 23, 1983, at 2:30 p.m., has been cancelled.

[No. 18, February 22, 1983]

[S-265-83 Filed 2-22-83; 3:22 pm]

BILLING CODE 6720-01-M

6

FEDERAL HOME LOAN BANK BOARD

"FEDERAL REGISTER" CITATION OF PREVIOUS ANNOUNCEMENT: Vol. No. 48,

Page No. None at this time. Date to be Published: Wednesday, February 23, 1983.

PLACE: Board room, sixth floor, 1700 G Street, NW., Washington, D.C.

STATUS: Open meeting.

CONTACT PERSON FOR MORE

INFORMATION: Mr. Lockwood (202-377-6679).

CHANGES IN THE MEETING: The Bank Board meeting that was previously cancelled Wednesday, February 23, 1983 at 10:00 a.m., has been rescheduled for Wednesday, February 23, 1983, at 2:30 p.m., with the following items added to the open portion of the meeting:

Securities Offerings
Organization and Chartering of Federal Stock Association on a *De Novo* Basis and
Related Regulatory Amendment

[No. 16, February 22, 1983]

[S-256-83 Filed 2-22-83; 11:31 am]

BILLING CODE 6720-01-M

7

FEDERAL MARITIME COMMISSION

TIME AND DATE: 9 a.m., March 2, 1983.

PLACE: Hearing Room One, 1100 L Street, N.W., Washington, D.C. 20573.

STATUS: Open.

MATTERS TO BE CONSIDERED:

1. Agreement No. 10122-11: Modification of the Inter-American Freight Conference, Area River Plate/Puerto Rico and U.S. Virgin Islands/River Plate Agreement to prohibit member lines and their agents from soliciting for non-conference lines.

2. Agreement No. 9648-A-22: Modification of the Inter-American Freight Conference to prohibit member lines and their agents from soliciting for non-conference lines.

3. The Mover's & Warehousemen's Association of America Rate Agreements and the Household Goods Forwarders Association of America Rate Agreement: Petition for exemption from the independent policing authority requirement of General Order 7.

4. Study on rates which are established "subject to booking."

CONTACT PERSON FOR MORE

INFORMATION: Francis C. Hurney, Secretary, (202) 523-5725.

[S-256-83 Filed 2-22-83; 11:33 am]

BILLING CODE 6730-01-M

8

FEDERAL MARITIME COMMISSION

"FEDERAL REGISTER" CITATION OF PREVIOUS ANNOUNCEMENT: 48 FR 7030, February 17, 1983.

PREVIOUSLY ANNOUNCED TIME AND DATE OF THE MEETING: 9 a.m., February 23, 1983.

CHANGE IN THE MEETING: Addition of the following item to the closed session:

2. Docket No. 82-58: Actions to Adjust or Meet Conditions Unfavorable to Shipping in the United States/Venezuela Trade—Consideration of the status of the proceeding.

[S-257-83 Filed 2-22-83; 11:33 am]

BILLING CODE 6730-01-M

9

FEDERAL RESERVE SYSTEM

(Board of Governors)

TIME AND DATE: 10 a.m., Monday, February 28, 1983.

PLACE: 20th Street and Constitution Avenue NW., Washington, D.C. 20551.

STATUS: Closed.

MATTERS TO BE CONSIDERED:

1. Proposed follow-up report to Congress on the International Banking Act of 1978.
2. Personnel actions (appointments, promotions, assignments, reassignments, and salary actions) involving individual Federal Reserve System employees.
3. Any items carried forward from a previously announced meeting.

CONTACT PERSON FOR MORE

INFORMATION: Mr. Joseph R. Coyne, Assistant to the Board, (202) 452-3204.

Dated: February 18, 1983.

William W. Wiles,
Secretary of the Board.

[S-253-83 Filed 2-18-83; 4:15 pm]

BILLING CODE 6210-01-M

10

FEDERAL RESERVE SYSTEM

Board of Governors

TIME AND DATE: 10 a.m., Wednesday, March 2, 1983.

PLACE: 20th Street and Constitution Avenue, N.W., Washington, D.C. 20551.

STATUS: Closed.

MATTERS TO BE CONSIDERED:

1. Personnel actions (appointments, promotions, assignments, reassignments, and salary actions) involving individual Federal Reserve System employees.
2. Any items carried forward from a previously announced meeting.

CONTACT PERSON FOR MORE

INFORMATION: Mr. Joseph R. Coyne, Assistant to the Board, (202) 452-3204.

Dated: February 22, 1983.

William W. Wiles,
Secretary of the Board.

[S-266-83 Filed 2-22-83; 3:33 pm]

BILLING CODE 6210-01-M

11

NATIONAL TRANSPORTATION SAFETY BOARD

(NM-83-5)

"FEDERAL REGISTER" CITATION OF PREVIOUS ANNOUNCEMENT: 48 FR 7030, February 17, 1983.

PREVIOUSLY ANNOUNCED TIME AND DATE OF MEETING: 9 a.m., Thursday, February 24, 1983.

CHANGE IN MEETING: A majority of the Board determined by recorded vote that the business of the Board required revising the agenda of this meeting and that no earlier announcement was possible. The agenda as now revised is set forth below:

STATUS: The first two items will be open to the public; the last two will be closed under Exemption 10 of the Government in the Sunshine Act.

1. *Marine Accident Report:* Collision of the U.S. Towboat *Creole Genii* and the Liberian Tank Vessel *Arkas* near Mile 130, Mississippi River, March 31, 1982, and Recommendations to U.S. Coast Guard, Le Beouf Brothers Towing Company, Inc., and New Orleans—Baton Rouge Steamship Pilots Association.

2. *Recommendation* to Federal Aviation Administration regarding use of child restraint systems in aircraft.

3. *Opinion and Order:* Petition of Bellenger, Dkt. SM-2928; disposition of the Administrator's appeal.

4. *Opinion and Order:* Administrator v. Mommsen, Dkt. SE-5576; disposition of respondent's appeal.

CONTACT PERSON FOR MORE

INFORMATION: Sharon Flemming, (202) 382-6525.

February 22, 1983.

[S-260-83 Filed 2-22-83; 2:11 pm]

BILLING CODE 4910-58-M

12

OCCUPATIONAL SAFETY AND HEALTH REVIEW COMMISSION

TIME AND DATE: 10 a.m., March 24, 1983.

PLACE: Suite 316, 1825 K Street, N.W., Washington, D.C.

STATUS: Because of the subject matter, it is likely that this meeting will be closed.

MATTERS TO BE CONSIDERED: Discussion of specific cases in the Commission adjudicative process.

CONTACT PERSON FOR MORE

INFORMATION: Mrs. Patricia Bausell (202) 634-4015.

Dated: February 22, 1983.

[FR 5-262-83 Filed 2-22-83; 2:28 pm]

BILLING CODE 7600-01-M

13

OCCUPATIONAL SAFETY AND HEALTH REVIEW COMMISSION**TIME AND DATE:** 10 a.m., March 17, 1983.**PLACE:** Suite 316, 1825 K Street, N.W., Washington, D.C.**STATUS:** Because of the subject matter, it is likely that this meeting will be closed.**MATTERS TO BE CONSIDERED:** Discussion of specific cases in the Commission adjudicative process.**CONTACT PERSON FOR MORE****INFORMATION:** Mrs. Patricia Bausell (202) 634-4015.

Dated: February 22, 1983.

[FR S-261-83 Filed 2-22-83; 2:28 pm]

BILLING CODE 7600-01-M

14

SECURITIES AND EXCHANGE COMMISSION**"FEDERAL REGISTER" CITATION OF PREVIOUS ANNOUNCEMENT:** (To be published).**STATUS:** Closed/open meeting.**PLACE:** 450 Fifth Street, N.W., Washington, D.C.**DATE PREVIOUSLY ANNOUNCED:** Tuesday, February 15, 1983.**CHANGES IN THE MEETING:** Rescheduling/Deletion items. The following closed items previously scheduled for Wednesday, February 23, 1983, at 10 a.m. have been rescheduled for Friday 25, 1983, following the 12 p.m. open meeting:Formal order of investigation.
Settlement of administrative proceedings of an enforcement nature.

The following closed item previously scheduled for Thursday, February 24, 1983, following the 10 a.m. open meeting has been rescheduled for Wednesday, February 23, 1983, at 10 a.m.:

Institution of administrative proceeding of an enforcement nature.

The following closed item scheduled for Wednesday, February 23, 1983, at 10 a.m. will not be considered:

Litigation matter.

The following open items previously scheduled for Thursday, February 24, 1983, at 10 a.m. in Room 1C30 have been rescheduled for Friday, February 25, 1983, at 12 p.m.

1. Consideration of whether to amend the Commission's rules governing maintenance of employee performance appraisal related documents in order to conform the rules to new regulations adopted by the Office of Personnel Management. For further information, please contact Laurie S. Schaffer at (202) 272-2453.

2. Consideration of whether to proceed with rulemaking or other appropriate steps with respect to one or more of the seven securities recommendations from the first SEC Government-Business Forum on Small Business Capital Formation. For further information, please contact H. Steven Holtzman at (202) 272-7617.

3. Consideration of whether to publish for comment certain technical amendments relating to various rules, forms and schedules under the Securities Act of 1933 and the Securities Exchange Act of 1934. Such amendments clarify certain language and correct technical omissions and errata. For further information, please contact Gerard V. Comizio at (202) 272-2589.

4. Consideration of whether to adopt on a final basis under the Investment Advisers Act of 1940 certain temporary amendments to Form ADV, the investment adviser registration application. For further information, please contact Arthur E. Dinerman at (202) 272-3021.

5. Consideration of whether to publish for comment Rule 6c-8 under the Investment Company Act of 1940, which would provide registered insurance company separate

accounts and others with exemptive relief from various provisions of the Act with respect to variable annuity contracts participating in such accounts to the extent necessary to permit them to impose a deferred sales loan upon redemption of any such contract and to deduct a full annual fee under certain circumstances. For further information, please contact Mary K. Crook at (202) 272-3010.

6. Consideration of whether to propose for comment amendments to Rule 482 under the Securities Act of 1933 and Item 17 of Part I of Form N-1 under the Investment Company Act of 1940 to permit investment companies to advertise their securities by direct mail, modify the method by which money market mutual funds calculate their yield, and permit money market mutual funds to advertise their compound yield. For further information, please contact Gregory K. Todd at (202) 272-7317.

7. Consideration of whether to authorize issuance of a release which announces the adoption of amendments to the Commission's rule regarding the independence of accountants. The amendments revise the definition of the term "member" in § 210.2-01(b) (Rule 2-01(b) of Regulation S-X) and make minor clarification changes in the rule. For further information, please contact Clarence M. Staubs at (202) 272-2130.

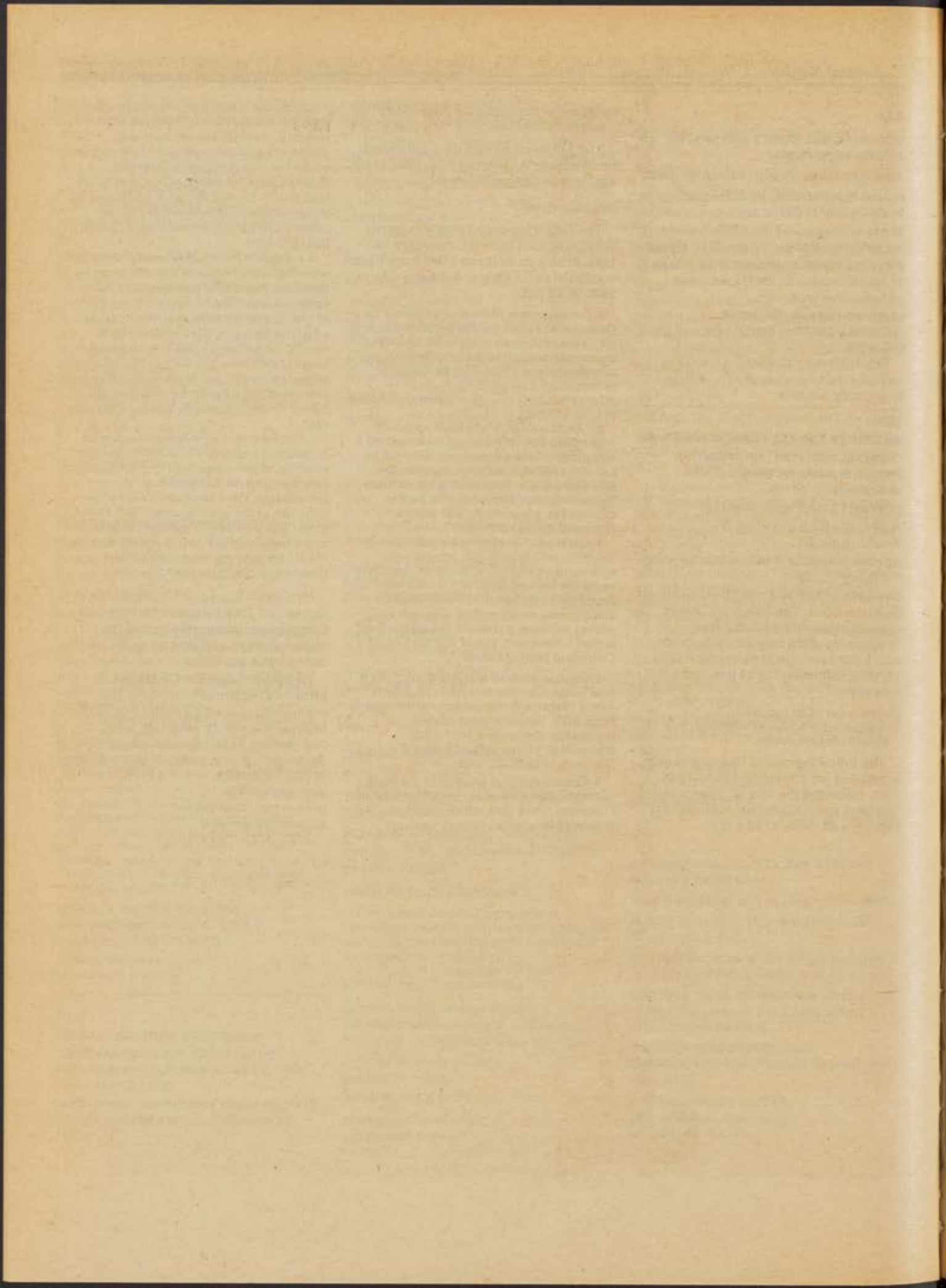
Chairman Shad and Commissioners Evans and Treadway determined that Commission business required the above changes and that no earlier notice thereof was possible.

At times changes in Commission priorities require alterations in the scheduling of meeting items. For further information and to ascertain what, if any matters have been added, deleted or postponed, please contact: Diane Klinke at (202) 272-2014.

February 18, 1983.

[S-259-83 Filed 2-23-83; 12:50 pm]

BILLING CODE 8010-01-M



Test Report Federal Register

Thursday
February 24, 1983

Part II

Department of the Interior

Office of Surface Mining Reclamation and
Enforcement

Surface Mining and Reclamation
Operation Under a Federal Program for
Washington; Interim Final Rule

DEPARTMENT OF THE INTERIOR

Office of Surface Mining Reclamation and Enforcement

30 CFR Part 947

Surface Mining and Reclamation Operation Under a Federal Program for Washington

January 27, 1983.

AGENCY: Office of Surface Mining Reclamation and Enforcement, Interior.**ACTION:** Interim final rule.

SUMMARY: The Office of Surface Mining Reclamation and Enforcement (OSM) of the Department of the Interior promulgates a Federal program for regulation of coal exploration and surface coal mining and reclamation operations on non-Federal and non-Indian lands in Washington. This includes surface effects of underground coal mining. This program is necessary in order to regulate surface coal mining activities in the absence of a State program.

EFFECTIVE DATE: The effective date for this program is April 25, 1983.

DATES: Written comments will be accepted until 5:00 p.m. on April 14, 1983, at the address below.

ADDRESSES: Written comments must be mailed to: Administrative Record Room (R & I-21), Office of Surface Mining, Wyoming State Office, P.O. Box 1420, Mills, Wyoming 82644, or hand-delivered to Office of Surface Mining, Wyoming State Office, Freden Building, 935 Pendell Boulevard, Mills, Wyoming 82244.

FOR FURTHER INFORMATION CONTACT: James M. Kress, Office of Surface Mining, Branch of Regulatory Programs, Room 222, 1951 Constitution Avenue, NW., Washington, D.C. 20240. Phone (202) 343-5866.

SUPPLEMENTARY INFORMATION:

Availability of Copies. Copies of the Washington Federal program are available for inspection and may be obtained at the OSM office listed above under "ADDRESSES."

Public Comment Period. The comment period on this interim final program will extend until April 14, 1983. All comments must be received at the location listed above under "ADDRESSES" by the close of business on that date. All written comments received, summaries of public meetings held at the request of any person or organization to receive advice and recommendations concerning the program with representatives of OSM, and other documents comprising the administrative record on the

Washington Federal program will be made available for public review during regular business hours at the location listed above under "ADDRESSES."

Comments should be as specific as possible, focus on the issues of this rulemaking, and provide reasons for any recommendations. OSM will not consider comments that do not pertain to the issues in this rulemaking. Nor can OSM ensure consideration of comments received after the comment period ends or those delivered to an address other than that specified.

Because public hearings were held for the proposed Washington Federal program, none will be scheduled during the interim final rule comment period. Persons wishing to meet with OSM officials should contact the person listed above under "FOR FURTHER INFORMATION CONTACT" in order to schedule such a meeting.

To assist the reader, this preamble is arranged as follows:

- I. Federal Programs Generally
- II. Washington Federal Program
 - A. Background
 - B. Content and Organization of the Program
 - C. Detailed Discussion
 - D. Discussion and Disposition of Comments
- III. Other Information

I. Federal Programs Generally

Under Section 504(a) of the Surface Mining Control and Reclamation Act of 1977 (the Act), Pub. L. 95-87, 30 U.S.C. 1201 *et seq.*, the Secretary of the Interior (the Secretary) is required to promulgate a Federal program within 34 months after passage of the Act if a State fails to submit a program to assume responsibility for regulating surface mining activities, fails to resubmit a program within 60 days of disapproval, or fails at any time to implement, enforce, or maintain an approved State program. The time for submitting State programs was extended by seven months to March 3, 1980, as the result of litigation, *In re: Permanent Surface Mining Regulation Litigation*, 13 Envir. Rep. Cas. 1447 (July 25, 1979). The date for the required implementation of a Federal program in any State which did not submit a program to obtain primary regulatory responsibility has passed.

Once a decision has been made that a Federal program is necessary for a State, the Secretary must make several determinations before promulgating a program. Section 504(a) of the Act requires that, in implementing a Federal program, the Secretary must take into consideration the nature of the State's terrain, climate, biological, chemical, and other relevant physical conditions. This requirement is also found in the

regulations for Federal programs, 30 CFR 736.22(a)(1). The Act (Section 505(b)) and the regulations (Section 736.23(b)) also provide that if a State has more stringent land use and environmental laws or regulations, they shall not be construed to be inconsistent with the Act or the Secretary's regulations. The Secretary believes that the requirements of Section 505(b) can best be met by identifying State laws and regulations which impose more stringent environmental controls and listing them in this Federal program. If the State's laws or regulations establish more stringent standards than those of the Act or the Secretary's regulations, or if the State regulates or protects an aspect of the environment which neither the Act nor the Secretary's regulations protect, OSM would then specifically preserve those State standards in the Federal program. However, by identifying more stringent State environmental controls in a Federal program, OSM would not be assuming any responsibility for enforcing such State laws. That would be left to the State.

Also, in promulgating a program for a State, Section 504(g) specifies that any State statutes or regulations which regulate surface mining and reclamation operations are to be identified by the Secretary and will be superseded and preempted to the extent that they interfere with the achievement of the purposes and requirements of the Act and Federal program. This provision is reinforced by Section 505(a) of the Act which states that only inconsistent State laws shall be superseded by the Federal program. Thus, State statutes and rules regulating the same activities as those covered by the Federal law and regulations and which do not provide as much protection as do the Federal law and regulations are considered to interfere with achievement of the purposes of the Act. Accordingly, they must be identified and preempted by OSM.

Federal programs are based on the Secretary's permanent program regulations. 30 CFR Subchapters A, F, G, J, K, L, and M. The permanent program regulations implement the procedures and performance standards of the Act. They form the benchmark for State programs. In order for a State to have a program approved by the Secretary, Section 503(a)(7) requires that the State's rules and regulations be consistent with the Secretary's regulations.

Pursuant to Section 504(a), the Secretary becomes the regulatory authority when a Federal program is

implemented for a State. The permanent program regulations contain references to "the regulatory authority" and to "the State regulatory authority," both of which mean the Secretary when a Federal program is involved. Section 701(22) of the Act. The Secretary has delegated all authority for surface coal mining activities to the Director of the Office of Surface Mining (the Director), who is the official responsible for implementing the Washington Federal program.

The parts of the permanent program regulations that must be included in a Federal program are listed in the regulations, 30 CFR 736.22(b). They include general requirements and definitions (Parts 700 and 701), the exemption for coal extraction incident to government-financed highway or other construction (Part 707), the designation of lands unsuitable for surface mining (Parts 760, 761, 762 and 765), permits and permit applications (Subchapter G), reclamation bonding (Subchapter J), performance standards (Subchapter K), inspection and enforcement (Parts 842, 843 and 845), and blaster training and certification (Subchapter M). In addition, the provisions in the permanent regulations on protection of employees (Subchapter P) and restrictions on financial interests (Part 706) are applicable to Federal employees who, in the instance of a Federal program, are directly enforcing the Act.

The national permanent program regulations in 30 CFR Chapter VII establish the minimum standards for the regulatory programs in each State and the procedures for developing, promulgating, and implementing the programs. The rules for the national permanent program are found in 30 CFR Parts 700-707 and 730-865. Part 705 was published October 20, 1977 (42 FR 58064). Parts 795 and 865 (originally Part 830) were published December 13, 1977 (42 FR 62639). The other permanent program regulations were published at 44 FR 15323-15393 (March 13, 1979). Subchapter M was published on December 12, 1980 (45 FR 82098). Corrections were published at 44 FR 15485 (March 14, 1979), 44 FR 53507-53509 (September 14, 1979), 44 FR 66195 (November 19, 1979), 45 FR 26001 (April 16, 1980), 45 FR 37818 (June 5, 1980), and 45 FR 47424 (July 15, 1980). Amendments to the rules have been published at 44 FR 60969 (October 22, 1979), as corrected at 44 FR 75143 (December 19, 1979), at 44 FR 77440-77447 (December 31, 1979), 45 FR 2626-2629 (January 11, 1980), 45 FR 25998-26001 (April 16, 1980), 45 FR 33926-33927 (May 20, 1980), 45 FR 39446-39447 (June 10, 1980), 45 FR 52306-52324

(August 6, 1980), 45 FR 52375 (August 7, 1980), 45 FR 58780-58786 (September 4, 1980), and 45 FR 76932 (November 20, 1980), 46 FR 37232 (July 17, 1981); 46 FR 41702 (August 17, 1981); 46 FR 47720 (September 29, 1981); 46 FR 53376 (October 28, 1981); 46 FR 52287 (December 7, 1981); 47 FR 32942 (July 30, 1982); 47 FR 33481 (August 2, 1982); 47 FR 35620 (August 16, 1982); 47 FR 38486 (August 31, 1982); 47 FR 44942 (October 12, 1982); 47 FR 47212 (October 22, 1982); 47 FR 51316 (November 13, 1982); 48 FR 1166 (January 10, 1983); and 48 FR 2266 (January 18, 1983).

Representatives of industry, two States and several environmental groups challenged the national permanent regulatory program in the U.S. District Court for the District of Columbia. These suits were consolidated and heard in a single lawsuit entitled *In re: Permanent Surface Mining Regulation Litigation*, Civil Action No. 79-1144, U.S.D.C., D.C. In response to the arguments raised in the challenges, the Secretary voluntarily suspended several permanent program regulations. These suspensions were announced in the *Federal Register* on November 27, 1979 (44 FR 67942), December 31, 1979 (44 FR 77447-77454), January 30, 1980 (45 FR 6913) and August 4, 1980 (45 FR 51547-51550). In two opinions, the court remanded certain other regulations which had been challenged in the lawsuit. These opinions were filed on February 26, 1980, and May 16, 1980. Many of the issues decided by the District Court have been appealed to the Court of Appeals for the District of Columbia Circuit. *In re: Permanent Surface Mining Regulation Litigation*, Nos. 80-1810, 80-1811, 80-1812, 80-1813 and 80-1823. The appeals are pending as this notice is being prepared.

Explanation of Cross-Referencing. To take advantage of the results which revision of the permanent program regulations will achieve, OSM has developed and promulgated this Federal program in the following manner. Rather than repeating the full text of the permanent regulations, there is instead only a cross-reference to the appropriate permanent program regulations. For example, criteria for the designation of lands unsuitable for surface coal mining are provided by making the criteria in 30 CFR Part 762 applicable to this program (see Section 947.762).

One effect of the cross-referencing to the permanent program regulations is that as the permanent program regulations are revised, this Federal program will be similarly revised. Over time, all of the permanent program regulations will undergo review and

many will be revised. No separate rulemaking will be undertaken or necessary for revision of this program, however, unless OSM determines that special conditions are present which necessitate different rules for Washington. In any case, the promulgation of this cross-referencing Federal program would not result in any modification of the substance of OSM's permanent program rules.

In the general notice of intent to promulgate Federal programs of May 16, 1980 (45 FR 32228), it was stated that each Federal program would be specific to the particular State and would implement the permanent program procedures and environmental protection provisions of the Act (45 FR at 32229). However, except for changes to incorporate more stringent State environmental protection standards and to list other State laws requiring permits for which coordination is required, OSM believes that few changes are needed in the permanent program regulations for any particular State for which a Federal program must be promulgated.

A notice concerning both the proposed and final permanent program rules appeared on July 13, 1982, in connection with the availability of a draft supplemental environmental impact statement on the permanent program rules. 47 FR 30266-67. It advised the public that any change in a permanent program rule would also result in a corresponding change in this program, absent special conditions. The statement invited comments on necessary modifications to accommodate unique or unusual aspects of surface mining in any Federal program State so that the Federal program for such a State could be tailored as necessary.

Several provisions of the permanent program regulations are already applicable to all Federal programs because they were fully promulgated for application to all regulatory programs and, therefore, need not be cross-referenced here. Those provisions are 30 CFR Chapter VII, Subchapter P—Protection of Employees; Part 706—Restrictions on Financial Interest of Federal Employees; and Part 769—Petition Process for Designation of Federal Lands Unsuitable for Surface Coal Mining. 30 CFR Part 764—Designating Lands Unsuitable for Surface Coal Mining has been included in this program by a cross-reference under § 947.764, to provide a petition process on non-Federal lands in Washington. Also, Part 760 has not been included because its provisions do not provide any substantive requirements.

Instead, they impose requirements on the Secretary and his delegates which need not be incorporated in each Federal program. Part 765 was also not included because it is directly applicable to a Federal program State without being incorporated or cross-referenced.

With regard to bonding regulations (Subchapter J), only Part 800 is cross-referenced because OSM has proposed to revise Subchapter J to include just one part, Part 800. 46 FR 45082 (September 9, 1981). Should the Washington Federal program become effective before the final rule notice revising the bonding regulations appears, and the bonding rules not be revised by the time a permit under this Federal program is to be issued, as a condition of issuance of that permit the applicant will be required to abide by the then-effective bonding rules until such rules are superseded.

II. Washington Federal Program

A. Background

Under Sections 501-503 of the Act and 30 CFR Part 731, States were provided the opportunity to submit programs for approval by the Secretary and thus achieve primacy for regulating coal exploration and surface coal mining and reclamation operations on non-Federal and non-Indian lands. Most States in which surface coal mining is now occurring submitted programs, and most of those States have now been granted primary regulatory responsibility, either fully or conditionally. Because the State of Washington formally notified OSM in 1979 that it would not submit a program to obtain primary regulatory responsibility and because there is at least one active surface coal mining operation in the State, the Secretary is required to promulgate a Federal program for Washington.

On May 16, 1980, a notice of intent to promulgate Federal programs appeared in the *Federal Register*. 45 FR 32329. That notice announced that a Federal program would be developed for Washington. Later, the State indicated a possible change in its position and OSM provided a grant to the State to develop a program. In addition, the State indicated it would be unable to complete and submit an approvable program in the near future. Also in 1980, OSM received a notice of intent to sue from a number of environmental organizations which indicated their intention to commence litigation for the failure of OSM to promulgate Federal programs for a number of States, including Washington. In 1982, after extensive negotiations with the

environmental organizations, OSM agreed to submit a final rulemaking notice to the Office of the Federal Register by February 15, 1983, for publication.

OSM published a proposed Federal program for Washington in the *Federal Register* on June 21, 1982. 47 FR 26794-26803. The notice announced a 45-day comment period ending on August 2, 1982 and a public hearing for July 24, 1982, in Olympia, Washington.

Shortly after publication of the proposed program, OSM received a request to postpone the hearing because of the number of pending changes to the permanent program rules on which the proposed Washington Federal program was based. Since comment on the proposed Washington Federal program was inextricably bound up with comment on the proposed revisions to the permanent program rules, OSM agreed to postpone the hearing date to September 17, 1982, and to extend the comment period to October 20, 1982. These extensions went beyond the comment period for the revisions to the permanent program rules. See notices of July 13, 1982, 47 FR 30267, and September 7, 1982, 47 FR 39201. Because of a further request for delay in the public hearing, the record for the hearing held on September 17th was held open for additional testimony on October 14, 1982.

Many commenters, as indicated below under "Disposition of Comments," requested that OSM further postpone promulgation of the Washington Federal program until after promulgation of OSM's revisions of the permanent program rules on which this Federal program is based. OSM recognizes the difficulty created by the contemporaneous promulgation of this program and the revisions of the permanent program rules, and the complications that poses in light of the use of cross-referencing, as explained above, for the substance of the program rules. Nevertheless, OSM believes it cannot delay promulgation of this program, because mining is being conducted in Washington, because Section 504(a) of the Act sets a deadline by which Federal programs must be promulgated, and because of the potential for litigation if delay continues. However, OSM has chosen to publish the program as an interim final rule in order to facilitate any required modification resulting from the imminent promulgation of revisions to the permanent program rules on which it is based.

As announced above, there will be a public comment period of 50 days from

the date of publication of this interim final rule. The revisions to the permanent program rules are expected to have been published by the end of the post-publication comment period. This post-publication comment period will allow commenters to review the Washington Federal program as it is affected by OSM's imminent revisions of the permanent program rules. Should readers believe that the changes in those rules make modifications to the Washington Federal program necessary or desirable, those suggested modifications should be brought to OSM's attention during the post-publication comment period on this program. OSM will consider any comments submitted during this period, and by further rulemaking notice, either modify or affirm the Washington Federal program as promulgated today.

Section 504(a) of the Act and 30 CFR 736.22(a)(1) require that each Federal program consider the nature of the State's terrain, climate, biological, chemical, geological, hydrological, agronomic, and other relevant physical conditions. OSM has reviewed Washington State statutes and regulations to determine if there are provisions which might be relevant to surface coal mining and reclamation operations. Numerous parts of the Revised Code of Washington (RCW) and Washington Administrative Code (WAC) were compared with the Federal permanent program regulations in 30 CFR Subchapters A, F, G, J, K, L, and M. They are identified in the proposed program rulemaking notice, 47 FR at 26795 (June 21, 1982). The more stringent requirements, whether State or Federal, have been adopted for this program in the following manner. Section 505(b) of the Act provides that State statutes and regulations which provide for more stringent land use and environmental controls of surface coal mining and reclamation operations than do the provisions of the Act and the Secretary's regulations shall not be construed as inconsistent with the Act or those regulations. Section 947.700(e) of this program lists Washington State statutes which set different controls and for which compliance is required in a surface coal mining and reclamation operation. Even though OSM has made a comprehensive search of Washington law, the list in § 947.700(e) may not be complete. OSM does not intend an omission to mean that a permittee does not have to meet those obligations under State law. To the contrary, any relevant State law not superseded by these rules must be complied with by permittees and permit applicants.

Determining whether State statutes are more stringent than the Federal regulations will often require a case-by-case analysis, the result of which cannot be predetermined. Citation in the program of State statutes with which compliance is required is not meant as an adoption of those State statutes and regulations for purposes of enforcement by OSM. Citation of such statutes is instead intended as an aid to persons who must comply with both the Federal program requirements and State statutes.

The Washington statute and regulations cited at § 947.700(f) as interfering with the achievement of the purposes of the Act are superseded by the Federal program. Compliance with them by surface coal mine operators is not required for operations covered by this program.

OSM has primarily cited statutes, and has minimized citations to the Washington Administration Code, in the various parts of the Washington Federal program. This is because State regulations can readily change and OSM's incorporation of these changes would necessarily lag behind them. However, if an operator must comply with a State statute, he or she must also comply with the State regulations which implement that statute.

In accordance with 30 CFR 736.23, OSM has identified only the Washington Surface Mining Act, RCW 78.44, insofar as it regulates coal, and the complementary regulations, WAC 332-18, as interfering with the achievement of the purposes of the Act and this Federal program. OSM is, therefore, superseding and preempting them to the extent they relate to surface coal mining and reclamation subject to regulation under the Act. Permittees will be required to conduct surface coal mining activities in compliance with all other existing State statutes and regulations unless they obtain waivers pursuant to § 947.700(g), as described immediately below.

A new subsection (g) has been added to § 947.700 in this final rulemaking notice. It allows OSM to grant a limited variance from the performance standards of the permanent program rules based on a showing by a permit applicant or permittee that such a variance is made necessary by the unique nature of Washington's terrain, climate, biological, chemical, or other relevant physical conditions. Its addition has been prompted by comments, discussed below, which advocated exceptions to the performance standards of the permanent program rules because of particular environmental conditions in

Washington, and which pointed out the difficulty of making abstract determinations as to whether a given State requirement was or was not more stringent than the corresponding permanent program requirement.

OSM does not wish to supersede any State law unless it is absolutely necessary and, therefore, proposed making such determinations on a case-by-case basis. This was because if a determination were made that a particular State statute or regulation established less environmental protection, compliance with both it and a corresponding Federal regulatory standard may prove impossible such that the State's requirements would have had to be superseded as interfering with accomplishment of the Federal program. Establishment of a variance procedure obviates the necessity of making stringency determinations in the abstract and preserves State law to the greatest extent possible. The operation of this variance provision is described more fully under "Detailed Discussion," below.

Section 504(h) of the Act requires that each Federal program include a process for coordinating the review and issuance of surface mining permits with other Federal or State permits applicable to the proposed operation. OSM will coordinate permit requirements with State agencies to the degree practicable to avoid unnecessary duplication. The Washington Department of Natural Resources (DNR) has a statutory requirement under the State Surface Mining Act (RCW 78.44) to review mine plans and issue permits for coal mining. OSM has concluded that this requirement interferes with the achievement of the purposes of the Federal program. Therefore, after the effective date of this Federal program, an operator need not obtain a permit to mine coal from the DNR under the State Surface Mining Act. However, OSM will inform the DNR of actions taken with respect to permit applications and enforcement, and the permit application and related documents will be filed at the Department of Natural Resources, the Department of Ecology, and the appropriate county recorder's office.

The Federal statutes for which compliance must be coordinated in the issuance of a surface mining permit are set out in 30 CFR 736.22(c). Federal and State statutes for which a permit is required are identified in § 947.770(b) and (c). The Washington Federal program provides for coordination with these permit review and issuance procedures by stipulating that no person may conduct coal exploration of surface coal mining operations without first

obtaining all other necessary permits from the State (Section 947.700(d)), and by providing for extensive public notice and comment. References to Washington's "master application" have been deleted from this interim final program because Washington is not now using that procedure. However, OSM and the Washington State Department of Ecology will cooperate with the "lead agency," WAC 197-10-040, identified under the State Environmental Policy Act (SEPA) if the "master application" mechanism should be implemented by the State in the future. See Comment 33 below.

B. Content and Organization of the Program

The content and organization of the Federal program for Washington follows the permanent program regulations. But, as discussed above, instead of the full text appearing, each section includes only a reference to the pertinent permanent program regulation part. Sections 947.700(e) and (f) set out more stringent and inconsistent State statutes, respectively. A separate paragraph has been added under any section where there are deviations from the Federal permanent program regulation for the Washington Federal program. These paragraphs will generally be found in a subsection (b).

The content and organization of the Washington Federal program are based on the following provisions of the Federal permanent program regulations, 30 CFR Chapter VII:

- Subchapter A—General
- Subchapter F—Areas Unsuitable for Mining
- Subchapter G—Surface Coal Mining and Reclamation Operations Permits and Coal Exploration Systems Under Regulatory Programs
- Subchapter J—Bond and Insurance Requirements for Bonding of Surface Coal Mining and Reclamation Operations
- Subchapter K—Permanent Program Performance Standards
- Subchapter L—Permanent Program Inspection and Enforcement Procedures
- Subchapter M—Training Program for Blasters and Members of Blasting Crews, and Certification Programs for Blasters

Technical literature cited by OSM in the preambles to the permanent regulatory program (44 FR 14901-15309, March 13, 1979), and to subsequent rulemaking notices revising those rules (cited above), was relied upon in developing the Washington Federal program. The reader is referred to those preambles for a discussion of the basis and purpose of the permanent program rules referenced in the Washington program without substantive change.

The numbering system of the permanent program regulations has been incorporated into the numbering system for the Washington Federal program. Subchapter T in 30 CFR Chapter VII has been established to include regulatory programs by State. Each State is assigned a part number; the Federal program for Washington is assigned Part 947. Program elements have been categorized under headings similar to the subchapter titles.

C. Detailed Discussion

General. Section 947.700 contains six subsections: The first four, subsections 947.700 (a), (b), (c), and (d), contain general statements on the scope and applicability of the program. Section 947.700(e) lists Washington State laws which have been identified as having provisions which regulate surface coal mining operations and are more stringent than the Act and the Secretary's regulations. A new clause has been added to the second sentence of the subsection to provide for an instance when a provision of one of the listed State laws establishes less environmental protection than does the Federal program, and the operator is placed in a situation of complying with one and violating the other. Section 504(g) of the Act authorizes a preemption of State laws in such an instance and a provision has been added to § 947.700(f) to authorize preemption of a particular State law where necessary in a particular case.

Section 947.700(f) identifies the Washington Surface Mining Act and regulations promulgated pursuant to it as interfering with the achievement of the purposes of the Act and Federal regulations, and, therefore, as being preempted and superseded by this Federal program insofar as they pertain to surface coal mining. A new sentence has been added to the paragraph, as discussed below under Performance Standards, to allow preemption of other State laws in an instance where the Federal Act or regulations set more stringent standards than an unpreempted State law or regulation. Such a preemption would be limited to the particular operation for which it is made.

Section 947.700(g) provides a mechanism for obtaining a variance from the performance standards of the cross-referenced permanent program rules by a showing that such a variance is necessary due to the unique characteristics of Washington's environment. The variance provided for allows for a deviation from the performance standards on a case-by-case basis. Under Section 504(a) of the

Act, in promulgating a Federal program for a State, the Secretary is required to take into consideration the nature of its terrain, climate, biological, chemical and other relevant physical conditions. The Secretary has fulfilled this mandate by reviewing Washington laws on the assumption that those laws accurately reflect varying environmental conditions found in the State.

OSM also recognizes that there may be particular environmental conditions in a State which are not reflected in State laws, and which are of such a nature as to require accommodation in a Federal program. Rather than establish special categories of mining for a State for which a Federal program is being promulgated, OSM has chosen to provide the option of allowing for a variance on a case-by-case basis under § 947.700(g). The permit applicant has the burden of requesting the variance and of demonstrating that such variance is necessary based on the unique nature of the particular environmental conditions in Washington. Such a variance may be granted only with respect to particular performance standards in §§ 947.815-947.828 as identified by the permittee.

The option of establishing a standard other than that of necessity, such as unreasonableness, impracticability or impossibility, was considered and rejected. OSM believes that necessity is a sufficiently stringent test to use for granting exceptions on the narrow basis of Washington's unique environmental conditions.

Sections 947.701 through 947.707 establish the same provisions, where applicable, as 30 CFR Chapter VII, Subchapter A, General. Section 947.701(a) contains all applicable general requirements, including the definitions in 30 CFR 700.5 and 701.5. A definition of "Forestry (forest land)" has been included in paragraph (b) of § 947.701. It is taken from the Revised Code of Washington (RCW), although it has a counterpart in the Washington Administrative Code, and is included here in order to provide consistency since the State statutes are cited in other sections of this program.

The Washington Forest Practices Rules and Regulations at WAC 222-16-010 define the term "forest land" as including "... all land which is capable of supporting a merchantable stand of timber and is not being actively used in a manner (for a use) which is incompatible with timber growing." (RCW 76.09.020(6); WAC 222.16.010(17).) Such lands are included in the definition of "forest land" in this Federal program. The term "forest land" appears in

parentheses next to the present term "forestry" for increased clarity and consistency. OSM considers the Washington definition more stringent because forestry is not more extensive in scope.

The proposed rulemaking notice would have included certain definitions in order for the Federal program to utilize Washington's "master application" procedures. However, because commenters pointed out that Washington is not now using the "master application" program, those definitions have been deleted from the Washington Federal program as promulgated today.

The proposed rulemaking notice also included a definition for "noxious plants" taken from the Washington Revised Code. That change is now considered unnecessary, as the definition in 30 CFR 701.5 adopts the State definition without citation.

As discussed below under Performance Standards, no modification in the definition of "alluvial valley floor" as contained in § 701.5 is being made for Washington. Instead, operators in the area west of the crest of the Cascade Mountains will have to show in their permit applications that the area of planned mining is not arid or semi-arid.

Section 947.701(c) requires that OSM make records available locally to the public at the county courthouse. This requirement also applies to §§ 947.776(b) and 947.782(b).

Area Unsuitable for Mining. Sections 947.761 through 947.764 establish the same provisions, where applicable, as 30 CFR Chapter VII Subchapter F, Areas Unsuitable for Mining. The effective date for implementing the petition process for designating lands unsuitable for surface coal mining or terminating designations is one year after Part 947 is effective, in accordance with the requirements of Section 504(a) of the Act and 30 CFR 765.13. No separate section for Federal lands is included because 30 CFR Part 769 is directly applicable and need not be made a part of a Federal program.

A paragraph has been added in § 947.764 to ensure that the Washington Department of Natural Resources and the Department of Ecology are notified of areas designated unsuitable or for which designations have been requested or terminated. This notification will be provided as a courtesy since those agencies regulate aspects of surface coal mining operations pursuant to their responsibilities under the Washington statutes listed in § 947.770.

Permits and Coal Exploration Approvals. Sections 947.770 through

947.795 establish the same provisions, where applicable, as 30 CFR Chapter VII, Subchapter G, Surface Coal Mining and Reclamation Operations Permits and Coal Exploration Procedures System. The following changes have been made:

Section 947.770 lists Washington State statutes which could affect permit issuance. The procedures for coordinating Federal, State and local permit applications to avoid unnecessary duplication are provided in this section.

The State's optional procedures (RCW 43.31 and RCW 90.62) for assisting those who must obtain a number of permits (through which the State coordinates administrative decision-making procedures on the several permits) has been deleted from the final rule because Washington is not now implementing those procedures. The proposed rule in § 947.770(b) would have provided for coordination through this "master application" procedure. That paragraph has been removed from the final rule and the remaining paragraphs of § 947.770 have been relettered accordingly.

Section 947.770(b) lists Federal laws and corresponding or relevant State laws that need to be coordinated by OSM in order to prevent or minimize duplication of effort with Washington. Section 947.770(c) lists State and local permits with which the Secretary will endeavor to coordinate when issuing a surface mining permit under this Federal program.

Sections 947.780 (for the surface mining reclamation and operations plan) and 947.784 (for the underground reclamation and operations plan) require an applicant to demonstrate compliance with the Washington Clean Air Act and the Washington Water Pollution Control Act. In addition, an applicant must also obtain approval from the local air pollution control authority if production will exceed 1 million tons per year. Approval is required under this program in order to ensure compliance with State air pollution control requirements (See 30 CFR 780.15 and 784.26).

The Washington Surface Mining Act regulates coal exploration which affects one acre in eight acres. The Federal Act does not apply to exploration which does not substantially disturb the natural land surface. Section 512 of the Act. This Federal program preempts the State statute only to the extent it interferes with the Federal Act. There may be an instance where exploration affecting one in eight acres does not substantially disturb the land. In that

case, compliance with the State Surface Mining Act would be necessary.

Although a permit fee is required under § 947.771(b), no fee has been set in 30 CFR 736.25. Therefore, payment of a permit fee will be deferred until final promulgation of a fee schedule.

OSM is currently developing permit application forms. In the meantime, OSM should be contacted in order to determine the format for an application.

Bonding. Section 947.800 establishes the same provisions, where applicable, as 30 CFR Chapter VII, Subchapter J, Bond and Insurance Requirements for Surface Coal Mining and Reclamation Operations.

Only Part 800 is cross-referenced because OSM has proposed to revise Subchapter J to include just one part, Part 800, 46 FR 45082 (September 9, 1981). Should this program become effective before a final rule notice revising the bonding regulations appears, and the bonding rules not be revised by the time a permit under this Federal program is to be issued, as a condition of issuance of that permit, the applicant will be required to abide by the then-effective bonding rules until such rules are superseded.

There are currently no self-bonding rules in effect because most have been suspended [46 FR 59934 (December 7, 1981)] and subsequently repropounded in a separate rulemaking, 47 FR 36570 (August 20, 1982). Consequently, there will be no self-bonding available under the Washington Federal program until the revised self-bonding rules are made effective.

Performance Standards. Sections 947.815 through 947.828 establish the same provisions, where applicable, as 30 CFR Chapter VII, Subchapter K, Permanent Program Performance Standards. The following changes have been made:

Section 947.816(b) lists State laws with which compliance generally will be required notwithstanding the preemption of the State's Surface Mining Act. Pursuant to the Washington State Surface Mining Act, RCW 78.44.090(10), all surface mining that will disturb streams must comply with the requirements of the State fisheries law (Title 75 RCW), and every application for an operating permit for surface mining operations must have a reclamation plan that is approved by the Department of Fisheries with regard to operations in streams. The Hydraulic Project Approval Law, RCW 75.20.100, requires that any person desiring to divert, obstruct, or change the natural flow or bed of any river or stream must submit full plans and specifications of the proposed construction or work to the

Department of Fisheries and Department of Game and obtain approval from the Directors of the Departments before commencing work. The Shoreline Management Act, RCW 90.58, concerns development of Washington's shorelines. The section also lists other State statutes with which compliance is necessary: The Forest Practices Act, the Water Pollution Control Act, the Minimum Water Flows and Levels Act, and the Pesticide Control Act. Compliance with all of these State statutes will be required except where OSM has provided otherwise.

When the preempted State statute or regulation establishes a less stringent standard than does the Federal program, the operator may be in a position of not being able to comply with both State and Federal provisions. Rather than place an operator in such an untenable position, OSM will make a determination in that instance that compliance with the State law or regulation, as provided by Section 504(g), interferes with the purposes of the Federal program. Thus, the State statute or regulation will be preempted in that instance so that compliance with a particular law could not be required by the State. In order to effectuate the *ad hoc* preemption, OSM will publish a notice in the Federal Register identifying the particular State law or regulation which is being preempted in the instance of a particular surface mining operation. Necessary changes have been made in §§ 947.700(e) and (f), 947.815, 947.816, 947.817, 947.818, 947.819, 947.822, 947.823, 947.824, 947.826, 947.827, and 947.828 to allow this preemption.

Section 947.817(b) lists for underground mining the same State laws with which compliance is required under § 947.816(b) for surface mining. One additional statute, the Washington Water Code (RCW 90.03), has been listed. In some instances, these statutes and their implementing regulations establish more stringent standards than those found in Part 817 of the permanent program regulations.

Determinations of stringency, however, will be made on a case-by-case basis.

No additions have been made to the permanent program regulations on special performance standards, 30 CFR Parts 818 through 829.

The proposed rule notice did not include a cross-reference to 30 CFR Part 822 on alluvial valley floors (AVF). However, there is evidence that the Cle Elum coal field, which lies east of the Cascade Mountain crest, may be in a semi-arid area, so a § 947.822 on AVF's has been included in the final rule

notice. Therefore, an operator seeking a variance under Section 947.700(g) will have to show in the permit application that the area of mining is not located in an arid or semi-arid area, as defined in 30 CFR 701.5. OSM could then either: (1) Make a determination that the AVF requirements do not apply, if the area is not arid or semi-arid, or (2) grant a waiver under § 947.700(g), so that compliance is not required.

Inspection and Enforcement Procedures. Sections 947.842, 947.843, and 947.845 establish the same provisions as 30 CFR Chapter VII, Subchapter L, Permanent Program Inspection and Enforcement Procedures. Two separate paragraphs have been added to §§ 947.842 and 947.843 to authorize the Secretary to furnish copies of OSM enforcement actions to the Washington Department of Natural Resources, the Department of Ecology, and, if there is a planning agency in the county government where the surface coal mining and reclamation operation is located, to that agency.

Blaster Training and Certification. A cross-reference to 30 CFR Part 850 was omitted from the proposed rule by oversight. It is included in the final rule as § 947.850.

D. Discussion and Disposition of Comments

OSM proposed a Federal program for Washington on June 21, 1982 (47 FR 26794). In the preamble to the proposed program OSM invited comments from all interested persons. Public hearings were held on September 17 and October 14, 1982, in Olympia, Washington. The public comment period ended on October 20, 1982. Relevant comments received are summarized below.

Many comments dealt with procedural matters such as the possibility of the postponement of the Federal program pending revision of the permanent program rules. These comments are discussed in the next part of this rulemaking notice, entitled "Procedural Comments." Comments on the substantive provisions of the program and on the permanent program rules, as they apply to Washington, are then discussed.

Many comments, especially the numerous comments submitted by a large operator in the State, Washington Irrigation & Development Company (WIDCO), addressed changes in the permanent program rules generally or changes in the permanent program rules as they affect Washington. These comments are responded to here only insofar as they concern some aspect of the Washington Federal program. Where the comment instead applied to the

permanent program rules now being revised, it has been considered in that rulemaking if it was submitted for consideration for those rules. For example, comments of representatives of industry in Washington on OSM's proposed revisions to the coal processing waste rules, 30 CFR § 816.81 *et seq.* and 817.81 *et seq.*, 47 FR 26598 (June 18, 1982), did not raise issues peculiar to Washington, and were therefore considered under that rulemaking rather than here.

Procedural Comments. 1. One commenter suggested that, because both the final Washington Federal program and the final revised permanent regulations will be published at essentially the same time, the affected operators should be given a grace period before having to meet the new requirements.

OSM does not agree that a grace period is allowable or necessary. The Washington Federal program is being published as an interim final rule which will not become effective until sixty days after publication, during which time OSM will accept comments on the Washington program based on the changes in the permanent program rules. Any such comments will be considered and the Washington Federal program rules changed if necessary. During this period, however, coal operators in Washington will continue to operate under the interim program rules, as they have in the past.

2. One commenter expressed reservations about the desirability and usefulness of the cross-referencing technique used in the Washington Federal program. The commenter believed that use of the cross-referencing approach would prevent OSM from adequately tailoring the program to Washington's unique circumstances.

OSM does not agree that cross-referencing inhibits the Director's ability to tailor the Washington program to a State's circumstances. Additionally, the variance procedure of § 947.700(g) further ensures that OSM will be able to respond on a case-by-case basis to any aspect of surface coal mining in Washington which is not adequately addressed by the program as promulgated today.

3. Thirteen commenters stated that OSM was mandated to coordinate with State and local governments on a wide range of administrative processes and matters, particularly permitting the lands unsuitable designation process. The commenters requested that OSM develop a formal coordinating procedure to minimize any duplicative effort.

OSM has not accepted this comment. OSM agrees that coordinating with State and local jurisdictions is necessary and mandated. The Director believes, however, that OSM can ensure the necessary coordination under the Washington Federal program promulgated today.

Section 947.786 of this program makes applicable 30 CFR Part 786, which provides for extensive public (including governmental entities) involvement in the permitting process. This involvement is encouraged through: (1) The requirement that the applicant advertise each permit application in the area of the proposed mining, (2) through the public hearing and comment process, and (3) through OSM's availability for informal conferences on permit applications.

Similarly, the review of petitions to designate lands unsuitable for surface coal mining includes comprehensive public notice, comment and hearing requirements. For example, 30 CFR 764.15(b)(1) (made applicable to the Washington Federal program under § 947.764) requires OSM to circulate copies of any petition to, and request relevant information from, " * * * other interested governmental agencies, the petitioner, intervenors, persons with an ownership interest of record in the property, and other persons known to the regulatory authority to have an interest in the property."

The Director believes that these and other such provisions throughout OSM's regulations will ensure full and continuing coordination of the kind the commenters requested. Given the comprehensiveness of the public participation requirements already in OSM's regulations, however, the Director believes that the additional "formal coordination procedure" suggested by the commenters would be superfluous.

4. Three commenters requested that OSM clarify whether it plans to incorporate more stringent State laws into this program or simply to preserve them. Another commenter believed that the policy of incorporating State laws should be eliminated.

Section 947.700(e) identifies and preserves Washington statutes which may be more stringent than the Federal Act and regulations. Section 505(b) of the Act requires only that the Secretary "set forth" State laws "construed to be inconsistent" with the Act. Because the Director believes it helpful to the public, this program also lists those Washington laws which have provisions that may be more stringent than the Act and the permanent program regulations. The Act

does not require, however, that such laws be "incorporated" into Federal programs.

The Director recognizes that 30 CFR 736.23(b) and the preamble to the proposed Washington Federal program stated that such laws would be "incorporated" into the program. As a matter of policy, however, OSM has chosen to minimize its intrusion into State affairs. Because this program promulgation is a separate rulemaking, OSM intends not to follow the general directive of § 736.23(b). Therefore, more stringent Washington laws are being identified and preserved, but not incorporated in this Federal program. Further comment on this issue is solicited and will be considered before OSM takes additional action in the Washington Federal program.

5. Two commenters believed that OSM should delay promulgation of the Federal program until OSM has met its statutory and regulatory requirements to tailor this program to Washington's unique conditions.

OSM believes the program promulgated today meets all applicable statutory and regulatory requirements as described above in this preamble and that it adequately recognizes and accommodates the unique aspects of Washington's relevant circumstances. Further, as explained above under "Washington Federal program," the Director believes that the Act does not allow OSM to delay promulgation of this program.

6. Two commenters suggested that OSM had not completely responded, as mandated, to the public comments that were being made on this program.

The commenters may have misunderstood the nature of the public notice and comment process. The Administrative Procedure Act, 5 U.S.C. § 552, does not provide for response to public comments during the comment period. OSM is, of course, required to consider and respond to public comments as part of this final rulemaking, and is doing so here today.

7. One commenter suggested that an "implementation task force" be established to make recommendations on difficult implementation problems.

OSM disagrees that such an approach is needed or useful. Because there are only a few active and potential operators in Washington, OSM believes that sufficient contact will be maintained with the State during the permitting and enforcement phases, both on formal and informal bases, to work out any difficult implementation problems.

8. One commenter suggested that this is an inappropriate time to comment on

the Washington Federal program because OSM is in the process of revising the permanent program regulations. He and two other commenters expressed their confusion over whether they should comment on OSM's current regulations or the proposed revisions to those regulations.

OSM agrees that more time would be helpful for some reviewers, but believes also that the Act and circumstances compel final promulgation of the Washington Federal program now. The publication of this program as an interim final rule, however, is intended to allow OSM to meet its statutory mandate while enabling reviewers more time for their analyses.

9. A number of commenters expressed concern over the general issue of stringency. There are several issues underlying this general issue.

a. Two commenters stated that stringency determinations must be made on a case-by-case analysis between State statutes and the Federal regulations. Such an analysis is currently being made by the State. Until this is completed, these commenters argued, the substance of the Federal regulatory program will not be known. One of the commenters believes that OSM should consider the results of this study in any further refinement of the Federal program.

OSM agrees that the results of the State's case-by-case study should be reflected in the Washington Federal program. As stated above, however, the Act and circumstances compel promulgation of the Washington Federal program now. The Director is publishing this rule as interim final in part to facilitate future modification in light of the analysis now being conducted by the State.

b. Two commenters suggested that comparison of State and Federal statutes and regulations as written does not accurately measure relative stringency. The commenters agree that OSM's design standards are, in fact, more stringent than State design standards. The State, however, requires that the success of projects be judged on performance standards. Because those State performance standards are based on unique conditions found in particular areas of the State, the ultimate result of the State requirement, in the opinion of the commenters, is that the State regulations are more stringent than the Federal standards. Thus, the commenters requested that OSM perform stringency tests of State statutes on a case-by-case basis, in view of specific conditions in various geographic areas of Washington.

As stated in the response to Comment 9a, above, OSM agrees that the results of the State's case-by-case study should be reflected in the Washington Federal program. As stated above, however, the Act and circumstances compel promulgation of the Washington Federal program now. The Director is publishing this rule as interim final in part to facilitate future modification in light of the analysis now being conducted by the State.

It should be noted that OSM's proposed revisions to the permanent program regulations are aimed, in large measure, at eliminating rigid design standards and enhancing operators' flexibility to choose the most effective method of meeting the required performance standards. When the revisions of the permanent program are made final, OSM will accept comments on the Washington Federal program based on those revisions. In addition, the Washington program as promulgated today includes a variance procedure at 947.700(g) under which operators may seek variances based upon unique circumstances of the sort alluded to by the commenters.

c. Another commenter requested that OSM implement a "special mining section" to deal with unique regional conditions and cited the provisions in OSM's regulations for Wyoming and Pennsylvania as precedents.

OSM disagrees. The cited precedents rest on explicit provisions in Act (Sections 527 and 529); there are no such provisions for Washington. The basis for special regulations covering particular conditions in a State (e.g., 30 CFR Parts 830 and 825) is and must be special provisions in the Act (Sections 527 and 529). Furthermore, OSM believes that adequate accommodations for unique conditions in Washington can be made through the variance provisions in the Federal program promulgated today.

d. In a comment related to stringency, one commenter suggested that OSM require each permit applicant to submit satisfactory evidence that the proposed operation would not be contrary to local land use ordinances and regulations under the State's regulations (WAC 332-18-015).

OSM believes that the permit coordination procedure established by § 947.770 will ensure that interested and affected State and local entities have the opportunity to apprise OSM of any actual or potential conflicts between the proposed operation and their land use ordinances. (See also the discussion under Comment 10, below.)

10. The State asked for further explanation of the effect of the program

on its comprehensive plan, its shoreline management program, a proposed development guide and is zoning authority.

Those State laws identified in § 947.700(f) are superseded by this program. The laws and plans about which the State inquired, however, are not identified in § 947.700(f). These could be superseded only on an individual basis and after consultation with the State.

This Federal program does not supersede any State or local planning or land use control measures, except in one instance: Should OSM, in response to a petition, designate lands unsuitable for surface coal mining pursuant to §§ 947.762 and 947.764, that designation would override any contrary State or local land use decision and the State or local governmental jurisdiction could not then change its plans or zoning to permit surface coal mining. On the other hand, issuance of a surface mining permit by OSM to a prospective operator will not relieve that person from having to comply with otherwise applicable State laws. If a surface mining permit were issued for lands which were zoned for a use which does not include mining, for example, the permittee would have to obtain a variance before commencing mining.

11. An industry representative commented that it was preferable that regulation be by the State of Washington rather than by OSM. The commenter observed that his company's experience with mining operations in other States had convinced him that State agencies were better and more responsive regulators.

OSM agrees that it would be preferable to have the State of Washington regulate surface coal mining. Congress also indicated the same preference in the Act. However, Washington has not yet sought or obtained primacy under the Act. OSM will continue to encourage and assist Washington in every way to develop an approvable State program of its own, but, in the absence of an approved State program, Section 504(a) of the Act requires the Secretary to promulgate a Federal program where surface coal mining is taking place.

12. Two commenters pointed out that the proposed rulemaking notice failed to indicate an effective date for the program. They stated that this failure hampers their planning efforts in preparing permit applications.

The delayed effective date of the Washington Federal program is intended in part to ensure that prospective permit applicants have adequate advance notice of the

program's requirements. As explained at Comment 13, below, OSM believes that this Federal program allows prospective permittees ample planning time.

13. The State asked which permanent program rules would be applicable to the Washington Federal program in light of the coincident promulgation of the Federal program at about the same time as OSM promulgates final rule notices for the permanent program rule revisions.

OSM has decided to delay only the effective date of the Washington program, and not its publication date. The revised permanent program rules will be published shortly, and some may even have been published before this notice. OSM believes that prospective permit applicants will have sufficient notice of the revised permanent program rules in order to incorporate those changed requirements into their permit applications without undue complication. The performance standards that must be adhered to are those which will be applicable at eight months after the effective date of this Federal program. This, combined with the two-month delay in the effective date itself, provide permits applicants fully ten months before having to comply with the performance standards, a period the Director believes to be ample for compliance planning.

14. The operator of a surface mine in the State questioned the basis for the conclusion that promulgation of the program is not a major rulemaking, since compliance with the program will have a major economic impact on the commenter's operation.

The proposed rulemaking notice concluded that promulgation of the Washington Federal program would not be a major rule under the criteria of Executive Order 12291, and the commenter offered no information on which to base a contrary conclusion. Although the program may impose additional costs on the commenter's operation, it does not meet the criteria of E.O. 12291. The relevant criteria are that the rulemaking have an economic impact of \$100 million or more per year, cause a major increase in costs for individual industries or geographic regions, or have a significant adverse effect on the ability of an industry to compete with foreign-based enterprises. Although substantial costs may be induced by the program, they do not approach \$100 million. Nor does OSM have reason to expect that competition will be adversely affected. To the contrary, the lack of a regulatory program in Washington equivalent to those applicable in all other coal producing States could give an unfair

economic advantage to Washington coal.

15. Related to the request that the final promulgation of the program be delayed, two commenters asked that the comment period be re-opened once the final rule notices for the permanent program rules are published.

OSM agrees that revision of the Washington Federal program may be appropriate in light of pending revisions to the permanent program regulations on which it is based. OSM's decision to publish the Washington Federal program as an interim final rule with a delayed effective date gives the public an additional 50-day comment period within which to address any issues raised by the final revisions to the permanent program rules. The Director may consider an extension or re-opening of the comment period if appropriate in the future.

16. Several commenters urged that the Washington Federal program not be promulgated until final revisions to the permanent program regulations are made. That would afford the public the opportunity to comment on those rules, as they form the basis for the Washington Federal program. Without having the benefit of seeing the final revisions to the permanent program rules, they argued, they could not comment in a fully informed way. This is especially so when the Federal program would supersede a State statute and regulations which were devised to address perceived problems by the State.

OSM recognizes the commenters' concerns. However, promulgation of a Federal program is a statutory duty of the Secretary of the Interior when a State does not submit a regulatory program for approval. Section 504(a) of the Act sets a deadline for Federal program promulgation—a date which has long passed. Therefore, the decision was made to publish an interim final rule with a comment period of 50 days so that interested parties may comment on any changes in the final permanent program rules which they believe require modification for the Washington Federal program.

17. One commenter asked about the applicability of the Washington Federal program to Federal lands in the State. Another commenter (11) suggested that operations on Federal lands should be subject to the same regulations as on private or State-owned lands under the Federal program.

Surface coal mining and reclamation operations on Federal lands are subject to the Federal Lands Program regulations, 30 CFR Subchapter D, which

is based upon the permanent program regulations, as is the Washington Federal program, and which makes this Federal program applicable to Federal lands in Washington.

Definitions. 18. A commenter suggested changing the modified definition of "Forestry (Forest Land)" in the proposed program at § 947.701(c) to make it compatible with the Washington Forest Practices rules from which the changes were taken.

OSM agrees. The final rule definition is renumbered § 947.701(b) removes the parentheses from the phrase "for a use" and adds the disjunctive "or" between it and the preceding phrase, "in a manner."

19. Another commenter suggested modification of the definition of "arid and semi-arid area" in 30 CFR 701.5 to exclude the area in Washington west of the Cascade crest.

OSM has not accepted this comment. Rather than modify the definition, OSM has chosen to allow the operator to make the showing required under 30 CFR 785.19 or to handle the matter under the variance procedure in § 947.700(g).

20. A commenter suggested that the definition of "undeveloped land" should be changed to exclude forestry in light of the proposed changes to the definition of forestry.

OSM rejected this comment. The definition in 30 CFR 701.5 is of "undeveloped rangeland" and applies only for purposes of the alluvial valley floor rules. Exclusion of forest lands from the land use category because of the changes in the term "forestry" would have no effect on the application of the alluvial valley floor rules.

Designation of Lands as Unsuitable for Surface Coal Mining. 21. The State of Washington urged that decisions on petitions to designate lands unsuitable for coal surface mining be made in full consultation with the State and its agencies. King County asked that it have a role in the designation process as well. The State also urged, as did another commenter, that OSM utilize Washington's data base of archeological and historical sites and its listing of endangered plants and animals.

OSM agrees. 30 CFR 764.15(b)(1) of the permanent program rules requires OSM to circulate copies of petitions to designate lands unsuitable to interested governmental agencies within three weeks of a determination that such petition is complete. Under 30 CFR 764.15(c), any person has the right to intervene in a proceeding until three days before a hearing on a petition. Thus, if the State, its agencies and local governments have indicated an interest (as have both the State and King

County), they would be apprised of the proceeding within three weeks after a petition is determined to be complete and would have until three days before the hearing to formally intervene in the proceeding. Further, Section 522(a)(5) of the Act requires that determinations of unsuitability be integrated as closely as possible with present and future land use and regulation processes at the Federal, State, and local levels. Accordingly, OSM will consult with the State and appropriate county(ies) in processing any petitions to designate lands unsuitable in Washington.

The Secretary would find the State's data base with respect to archeological resources and endangered species exceedingly helpful in evaluating any petition. However, as is required of each State regulatory program under Section 522(a)(4)(B), each Federal program must develop such a data base pursuant to 30 CFR 764.21.

Coal Exploration. 22. A commenter recommended that OSM notify coal exploration applicants within 15 days of receiving an application if there will be a delay in processing.

OSM accepted this comment and has modified Section 947.776(b) accordingly.

Permitting. 23. Where commenters informed OSM that the Washington Environmental Coordinating Procedures Act (RCW 90.62) and the "Master Application" approach created under it are no longer utilized by the State.

OSM has removed mention of the Master Application and the Environmental Coordinating Procedures Act from the final Washington Federal program.

24. King County asked to receive copies of all permit applications and related documents, and of all enforcement actions involving mines within its jurisdiction.

OSM has accepted this comment. Pursuant to Section 507(e) of the Act, and 30 CFR 786.11(d)(1), which is made applicable through § 947.786 of the Washington Federal program, copies of all permit applications must be filed in the county courthouse of the county where mining is to occur. All documents forming a part of the permit application, such as maps, cross-sections and plans, would have to be filed there as well.

Further, § 947.843(b) of the final rule has been changed to provide that a copy of any enforcement action involving a surface mining operation be filed with the Department of Planning of the appropriate county where there is such an agency.

25. A commenter suggested changes to the proposed revisions in OSM's permitting regulations, 47 FR 27694 (June 25, 1982), although he did not make clear

whether these changes were to be made just for the Washington Federal program or for the permanent program rules as well. The commenter urged that proposed 30 CFR 775.13(b) which allows only professional engineers and geologists to certify environmental data, be modified to also allow licensed land surveyors and others with a professional background in the environmental sciences to make such certifications. The commenter also urged that a definition of the term "technical data" be added in order to avoid confusion.

OSM has not accepted these comments for the Washington Federal program. These suggestions are directed at the rules generally and are not of unique concern for Washington. With respect to the certification of data, however, it should be noted that Section 507(b)(14) of the Act allows the preparation of cross-sections, maps and plans by qualified registered professional engineers or professional geologists, or persons under their direction, but provides that only those two professions may "certify" the plans. The Secretary's regulations cannot contravene the Act.

26. One commenter asked whether OSM expects the Washington Department of Natural Resources (DNR) to administer the existing State permit on an interim basis until a Federal permit is approved and what role DNR will have thereafter, especially with regard to forest practices.

OSM will become the regulatory authority on the effective date of this Federal program. The DNR is expected to administer the existing State permit until that time; thereafter, OSM will conduct the inspection and enforcement duties required by the Act and this program. Between the effective date of this Federal program and the issuance of a permanent program permit, an operator must comply with the OSM interim program regulations. Section 508(a) of the Act allows operators who have valid State permits, and who apply to OSM within two months of the effective date of this program, to continue operating until OSM issues or denies Federal permits; compliance with the permanent program performance standards will be required once OSM has issued such permits under this Federal program.

With respect to the Forest Practices Act, the DNR's role after the effective date of this program will be to administer that and other State Acts within its jurisdiction which are more stringent than are the requirements of the Federal Act and this program.

27. One commenter inquired about the mechanisms and procedures OSM has established, as the regulatory authority, to review, process, and approve permit applications.

Subchapter G of the permanent program regulations describes OSM's procedures for processing permit applications. Because OSM has proposed only minor revisions to this process, the present 30 CFR Subchapter G regulations remain an accurate guide to the procedures OSM will follow during a permit review.

28. One commenter asked if there will be an application fee as allowed, but not required, in 30 CFR 736.25.

There will be a permit application fee. A permit fee is required under Section 507(a) of the Act. Section 736.25, establishing a permit fee schedule, will be proposed in early 1983. Payment of the fee may be deferred, however, until a final version of that section is promulgated and takes effect.

29. One commenter asked whether OSM expects to utilize a two-stage completeness review for permit applications, i.e., reviewing separately for administrative and technical completeness. The commenter encouraged such a process, with an application required to be administratively complete at submittal, but with allowance for technical clarifications prior to final approval.

OSM will use the two-stage application review process described by the commenter. Allowance will also be made for technical clarification if required before final approval.

30. One commenter asked whether permittees were required to submit annual reports to OSM.

There is no requirement in either the Washington Federal program or in OSM's permanent program regulations for annual reports from permittees.

31. One commenter asked how the OSM intends to make the Environmental Assessment (EA) Finding of No Significant Impact (FONSI) and, if an Environmental Impact Statement (EIS) is required, whether its findings might conflict with procedures for State findings and assessments under Washington's State Environmental Policy Act (SEPA).

OSM completes the EA at the same time it completes the Technical Analysis. The results of the EA and TA determine whether a FONSI can be made or whether, alternatively, an EIS is required. If an EIS is required, data gathered in the TA is used. OSM has no reason to expect any conflict with the SEPA, since SEPA requirements generally correspond to those of the National Environmental Policy Act.

32. Four commenters questioned the twelve-month period provided for permit application review and, along with another commenter, questioned the six-month time period for reviewing a permit revision. The first commenter suggested that such a long lead time would make Washington coal less competitive. The other commenter pointed out that no explanation is given as to what constitutes a revision. The commenter noted that an operator may find it impossible to anticipate the need for minor amendments or revisions six months in advance. This same commenter urged OSM to establish standards to define "significant departures" under 30 CFR 788.12 where formal permit revisions would be required in order to take into account the faulting and folding coal seams in the State which make mine planning difficult.

The twelve-month period in § 947.772(b) for new permits is directory and not mandatory. Because OSM, unlike States in their regulatory programs, must comply with the National Environmental Policy Act, 42 U.S.C. 4321 *et seq.*, permit review and issuance is likely to take as much time as does the issuance of Federal coal leases. OSM believes that the twelve-month period is an accurate estimate of the time OSM will need to issue a permit. Prospective applicants should consult with OSM, however, to obtain a prediction of the likely processing time required for their particular permits.

OSM has eliminated the six-month lead time for permit revisions. However, the time required to review an application depends on the completeness of the application and on the time needed to prepare the technical and environmental analyses. Realistically, if OSM must request additional data from the applicant, a delay of six months or more could result.

As for the establishment of a special definition of "significant departure" for purposes of permit revision under 30 CFR 788.12, the commenter did not suggest any particular standard that would accommodate distinct conditions in the State. OSM solicits comments during the post-publication period on such a standard.

33. A commenter pointed out that the requirement in proposed § 947.785(b) for the approval of the Washington Departments of Natural Resources and Ecology in order to meet watershed improvements standards was unnecessary. The commenter asserted that the State agencies have the responsibility to approve such projects, pursuant to laws such as the Forest

Practices Act, and to review them under the State Environmental Policy Act.

OSM agrees. OSM is not superseding either the Washington Forest Practices Act or the authority of State agencies under it by promulgation of this program; proposed § 947.785(b) has been deleted from this final rule.

34. Another commenter suggested that, even though the air quality monitoring requirements in 30 CFR 780.15 are required west of the 100th meridian, they should not apply to the area west of the Cascade crest, because of its wet climate.

OSM has not accepted this comment. For the same reasons OSM chose not to establish a special exemption from the alluvial valley floor provisions in 30 CFR 780.15 and Part 822, it is not doing so here. OSM will rely instead on the variance procedure of § 947.700(g) to provide operators with any necessary flexibility with respect to air quality monitoring requirements.

Bonding. 35. A coal operator requested that a provision be added to 30 CFR 805.13 to allow the reclamation bond to be posted on an area when topsoil is first removed. Thus, harvesting of timber, slash disposal and the grubbing of all vegetation from lands about to be mined would not be subject to bonding.

OSM has not accepted this comment. There is no basis for the addition of a special provision for the Washington Federal program that would allow the posting of a reclamation bond at a time later than required under the Act and permanent program rules. Further, even if the suggested provision were added to 30 CFR 805.13, the commenter's objective would not be achieved because Section 509(a) of the Act requires the posting of a bond after the regulatory authority approves the permit application, but before the permit is issued. Further, 30 CFR 800.11(b) provides that surface lands are not to be disturbed until the bond has been given to the regulatory authority; "disturbance" in that context includes the harvesting of timber.

The only alternative available to the operator is to identify discrete increments of the permit area. This would permit OSM to defer bonding on the successive increments until the timber is to be harvested—the first step in the disturbance process—on a particular increment. There would be no bond posted until the actual disturbance occurred. Thus, the operator would save any surety bond premium that would otherwise have to be paid if a larger area than that immediately affected by

mining activities were included in the permit or increment.

36. Another commenter recommended that self-bonding be allowed for the Washington Federal program.

As mentioned in the preceding part describing the rules, the suspension of OSM's self-bonding rules precludes self-bonding until OSM promulgates final rules establishing sufficient standards. OSM is currently reviewing comments on the proposed rule, 47 FR 36570 (August 20, 1982), but no date for a final rulemaking notice has been set. However, a permanent program self-bonding rule would automatically become part of the Washington Federal program because of the cross reference in § 947.800.

Performance Standards. 37. One commenter recommended that OSM adopt 30 CFR Part 810 in the Washington program as a basis for any special categories of mining.

OSM does not agree. OSM believes that Part 810 would be superfluous in the Washington Federal program.

38. One commenter indicated that the waste that is produced in the processing operation is generally non-toxic and the most effective way of disposing of it is placing it back in the open pit to be mixed with other spoil and covered. The commenter urged that the program address this particular problem, especially because the permanent program regulations for disposal of coal waste, 30 CFR 816.81-93 and 817.81-93, do not deal specifically with return of the waste to the pit, but require the placement of the waste in compacted layers. The cited sections also set certain static safety factors for the final waste pile which, if applied to Washington, may be greater than natural conditions.

The commenter urged that an exception to the coal waste rules be added for disposal in the back-filled and graded area, in addition to that which OSM already has for dewatered fine coal waste. See proposed 30 CFR 816.85(f), 47 FR 26598 (June 11, 1982).

OSM has not accepted this comment, as the commenter has raised a question which is not confined to Washington State. Although there is a prohibition in the permanent program regulations against placement of coal processing waste in certain areas, OSM has proposed to eliminate it by removing the term "coal waste" from the definitions of "head of hollow fill" and "valley fill" in § 701.5. See rulemaking notice to revise excess spoil rules, 47 FR 27954 (June 8, 1982). Should the static safety factor requirement pose a problem due to unique circumstances in Washington, the operator may seek a variance under

§ 947.700(g). Therefore, it is neither necessary nor appropriate to modify the Washington Federal program as the commenter suggested.

39. A commenter advocated the use of either chemical or physical treatment facilities in lieu of sedimentation ponds to meet water quality standards because of the extraordinary climatic conditions in Washington west of the Cascade Mountains crest. The commenter suggested the addition of such a provision to the present rule, 30 CFR 816.42. He further argued that discharges from point sources in the State have to comply with the more stringent water quality standards and effluent limitations of the Department of Ecology, which administers the National Pollution Discharge Elimination System under the Federal Water Pollution Control Act, 33 U.S.C. 1151-1175.

OSM has not accepted this comment. The current permanent program water quality regulations neither conflict with nor interfere with the Federal Water Pollution Control Act (FWPCA) requirements; in fact, Section 702(a) of the Surface Mining Control and Reclamation Act specifically states that its requirements do not supersede those of the FWPCA. The Court of Appeals for the District of Columbia held in *In re: Surface Mining Regulation Litigation*, 627 F.2d 1346 (1980), that the Surface Mining Control and Reclamation Act gave the Secretary authority to regulate water quality only where the Federal Water Pollution Control Act was deficient with respect to surface coal mining, viz., discharges from non-point sources. 627 F.2d 1366-67. The Court also held that the variances and exemptions provided under Environmental Protection Agency regulations, 40 CFR 434.22(c), 32(b), 35(b), 42(b), and 45(b), could not be superseded by the Secretary through his water quality regulations, 627 F.2d at 1369.

While the permanent program hydrologic balance regulations do not currently allow for alternative treatment facilities, it is an option under consideration in revision to those rules. See proposed revision to 30 CFR 816.46, 46 FR 34784 (July 2, 1981). Should the final rule not allow for alternative treatment, a variance could be sought under § 947.700(g) based on the precipitation levels in western Washington.

40. Commenter urged that continued use of alternative sediment control measures be allowed in the Federal state program.

OSM has not accepted this comment. The permanent program rule, 30 CFR 816.45, provides a wide range of possible

techniques for use in sediment control. The present rule and proposed revisions to the regulation afford the operator ample opportunity to demonstrate that his or her preferred method is suitable and will prove successful. In fact, OSM cited the commenter's own methods of sediment control in the notice promulgating its permanent program regulations as the best technology currently available, which had been developed to meet a particular need. See 44 FR 14926 (March 13, 1979). No change in the Federal program rule is needed.

41. A commenter suggested that a waiver is necessary from the 180-day backfilling and grading schedule requirement where complex, multi-seam mining operations are involved.

OSM has not accepted this comment. The commenter has not identified a problem unique to Washington. Further, the current permanent program regulations allow for an exemption from the 180-day or four-spoil ridge requirement for backfilling and grading when such a need is demonstrated in the mining and reclamation plan. Experience in other States has shown that additional time is necessary due to the complex mining conditions encountered. The proposed revision of the permanent program regulations, 30 CFR 816.101 (47 FR 26760, June 21, 1982) would delete the 180-day requirement. There is no need to add a particular exemption for the Washington Federal program.

42. A commenter advocated provisions that would allow an exemption from the 1.3 static safety factor requirement for backfilling and grading. See proposed amendments to 30 CFR 816.101-106, 47 FR 26760 (June 21, 1982). The commenter pointed out that many parts of Washington's coal area have naturally unstable slopes due to the manner in which the lands were formed, including naturally occurring factors of safety of as little as 1.0.

OSM has not accepted this comment. The condition that the commenter identified is not one unique to Washington, and, in fact, similar comments were submitted in response to OSM's proposed revisions to the permanent program regulations. As the commenter recognizes, the proposed revisions to the permanent program rules would not require that the stability of the reclaimed slope exceed that of the pre-mining slope. Further, a variance may be sought for a lesser factor of safety under § 947.700(g). The Director does not believe it necessary or appropriate to modify the program promulgated here as the commenter suggested.

43. A commenter urged that particular flexibility be allowed in the Washington Federal program for raptor protection. Because of the height of the trees in forested lands in which mining occurs, raptors would not utilize power poles for their hunting. Yet the regulations require operators to provide costly raptor protection on existing power poles to minesites. Therefore, the commenter suggested flexibility in order to allow for a more cost-effective way of protecting the wildlife.

OSM has not accepted this comment, since it is not directed to any environmental condition peculiar to Washington. Rather, it applies generally to the permanent program regulations and is being considered in that separate rulemaking.

44. A commenter was concerned about the revisions to the postmining land use and variance from approximate original contour requirements as proposed in OSM's rulemaking notice of April 14, 1982, 47 FR 16152. The commenter noted that the requirement of 30 CFR 133(d)(7) for a 1.3 static safety factor for backfilled highwalls may preclude the establishment of final cut highwall lakes. The commenter argued that final cut highwall lakes are a desired addition in western Washington because of the lack of naturally formed small lakes useful for recreation.

OSM has not accepted this comment, since it is directed at the permanent program regulations generally. OSM's proposed revisions to those regulations do recognize limited instances when the final highwall need not be completely eliminated. Should the final permanent program regulations not provide the flexibility which the commenter believes necessary, he can seek a variance under § 947.700(g). No change to the Washington Federal program need be made in response to the comment.

45. Two commenters identified potential problems with OSM's application of the sedimentation pond design standards and sediment control measures to Washington. They pointed out that coal mining areas in Washington, due to heavy rainfall west of the Cascade Mountains, have saturated ground conditions and saturated valley sediments. Building sedimentation ponds, and even roads, in such areas, according to the commenters, requires different techniques from those used elsewhere. Further, OSM's design standards are based upon rare event storms. Given the terrain and climate in western Washington, they argued, application of these standards would result in extremely large ponds being built in narrow valleys. The commenters

advocated flexibility in the requirements.

OSM agrees, and believes that the conditions pointed out by the commenters seem to be unique to Washington. Rather than modify the permanent program rules as they are applied to Washington, however, OSM has chosen to provide the variance procedure of § 947.700(g), which will allow an operator to seek any necessary modification of his permit due to the unique circumstances in Washington. The applicant, in such an instance, would have to show not only that there is a unique environmental condition in Washington which makes a variance necessary, but also that his proposed alternative method achieves a similar level of environmental protection to that afforded by the permanent program rule in question.

46. Several commenters sought exclusion of the area west of the Cascade Mountains crest from the alluvial valley floor (AVF) provisions in 30 CFR Part 822.

OSM has not accepted this comment. As discussed above, no exclusion is being added to the program. Exemption from the AVF requirements can be obtained either through the provisions in 30 CFR 785.19 or the variance under § 947.700(g).

47. Many commenters stated that OSM had not adequately considered Washington's particular environmental conditions in drafting the proposed program. Their concern focused mainly upon the heavy rainfall that occurs west of the Cascade Mountains crest and the steeply dipping coal seams that are found in the State.

With respect to the former condition, the alluvial valley floor portion of the Act is applicable to mining on lands located west of the 100th meridian west longitude and which have an arid or semi-arid climate. With respect to the latter condition, the Act provides for deference to State regulation of anthracite mines which have similarly steeply dipping seams and for special regulation of bituminous mines which meet certain criteria. Sections 529 and 527 of the Act, respectively. The commenters wanted OSM to either withdraw the proposed program and undertake an extensive analysis of unique environmental conditions in the State or show in the final rule that the special conditions had been taken into consideration.

OSM recognizes that there can be unique or special environmental conditions in a State which are not adequately reflected either in State laws or in the rules of the Federal program. Therefore, a provision for a variance has

been added at § 947.700(g) that would allow an operator to obtain a variance from specific permanent program performance standards based on a showing that unique environmental conditions at the proposed mine site make such variance necessary.

The authority for this provision is the last sentence of Section 504(a) of the Act, which requires the Secretary to "... take into consideration the nature of [the] State's terrain, climate, biological, chemical, and other relevant physical conditions" in promulgating a Federal program. Congress was concerned about a general variance being provided in the Act, especially one which could be granted by State regulatory authorities. See S. Rpt. No. 95-128, 95th Cong. 1st Sess., at 55 (1977). Section 947.700(g) is not a general variance. It is instead a limited variance from specified performance standards which may be granted: (1) Only by OSM and (2) only upon a showing that such a variance is necessary because of Washington's unique environmental conditions. The permittee would also have to show that his proposed alternative achieved equal or greater environmental protection that did the performance requirement from which he was seeking a variance. Addition of this provision obviates the need for the extensive analysis urged by some commenters and allows OSM to expeditiously promulgate this program, while ensuring that OSM is able to consider and respond to any special environmental conditions at a particular mine site.

For the alluvial valley floor requirements not to apply, the permit applicant would first have to show that the area where mining is proposed is neither arid nor semi-arid as defined in 30 CFR 701.5. If such a showing is made, then the variance would actually amount to an exemption from § 947.822 of the Federal program which applies Part 822 of the permanent program alluvial valley floor rules.

III. Other Information

OSM has examined these proposed rules according to the criteria of Executive Order 12291 (46 FR 13193, February 19, 1981) and determined that they do not constitute a major rule. There would be no major economic impact through adoption of this rule because it would affect only a small number of mining operations.

OSM has examined these proposed rules pursuant to the Regulatory Flexibility Act, 5 U.S.C. 601 *et seq.*, and determined that they will not have a

significant impact on a substantial number of small entities.

Section 702(d) of the Act provides that promulgation of a Federal program shall not constitute a major Federal action under the National Environmental Policy Act, 42 U.S.C. 4332. Thus, no Environmental Assessment is required for this rulemaking.

OMB Review

The recordkeeping and reporting requirements of this rule are the same as those of the permanent program regulations which have been approved by the Office of Management and Budget under 44 U.S.C. Section 3507.

Although the rule contains information and recordkeeping requirements, OSM anticipates less than ten respondents. Under the Paperwork Reduction Act (44 U.S.C. 3501 et seq.), clearance of information collection forms is required only if ten or more respondents are expected. If in the future the number of respondents appears to be increasing, the proper forms, if they differ from those already approved, will be submitted to the Office of Management and Budget with accompanying notices in the Federal Register, in accordance with the requirements of 44 U.S.C. Chapter 35.

List of Subjects in 30 CFR Part 947

Coal mining, Intergovernmental relations, Surface mining, Underground mining, Reporting requirements.

Drafting Information

These regulations were drafted by David Jones, Office of the Solicitor, and James M. Kress, Branch of Regulatory Programs, Office of Surface Mining.

Daniel N. Miller, Jr.,

Assistant Secretary, Energy and Minerals.

February 1, 1983.

30 CFR Chapter VII is amended by adding Part 947 to read as follows:

PART 947—WASHINGTON

Sec.

947.700 Washington Federal Program.

947.701 General.

947.707 Exemption for coal extraction incident to government-financed highway or other construction.

947.761 Areas designated unsuitable for surface coal mining by act of Congress.

947.762 Criteria for designating areas as unsuitable for surface coal mining operations.

947.764 Process for designating areas unsuitable for surface coal mining operations.

947.770 General requirements for permit and exploration procedures.

947.771 General requirements for permits and permit applications.

Sec.

947.776 General requirements for coal exploration.

947.778 Surface mining permit applications—Minimum requirements for legal, financial, compliance, and related information.

947.779 Surface mining permit applications—Minimum requirements for information on environmental resources.

947.780 Surface mining permit applications—Minimum requirements for reclamation and operations plan.

947.782 Underground mining permit applications—Minimum requirements for legal, financial, compliance, and related information.

947.783 Underground mining permit applications—Minimum requirements for information on environmental resources.

947.784 Underground mining permit applications—Minimum requirements for reclamation and operation plan.

947.785 Requirements for permits for special categories of mining.

947.786 Reviews, public participation, and approval or disapproval of permit applications and permit terms and conditions.

947.787 Administrative and judicial review of decisions on permit applications.

947.788 Permit review, revisions, and renewals, and transfer, sale, and assignment of rights granted under permits.

947.795 Small operator assistance.

947.800 Requirements for bonding of surface coal mining and reclamation operations.

947.815 Performance standards—Coal exploration.

947.816 Performance standards—Surface mining activities.

947.817 Performance standards—Underground mining activities.

947.818 Special performance standards—Concurrent surface and underground mining.

947.819 Special performance standards—Auger mining.

947.822 Special performance standards—Operations on Alluvial Valley Floors.

947.823 Special performance standards—Operations on prime farmland.

947.824 Special performance standards—Mountaintop removal.

947.826 Special performance standards—Operations on steep slopes.

947.827 Special performance standards—Coal processing plants and support facilities not located at or near the minesite or not within the permit area for a mine.

947.828 Special performance standards—In situ processing.

947.842 Federal inspections.

947.843 Federal enforcement.

947.845 Civil penalties.

947.850 Blaster training and certification.

Authority: Pub. L. 95-67, The Surface Mining Control and Reclamation Act of 1977, 30 U.S.C. 1201 et seq.

§ 947.700 Washington Federal Program.

(a) This part contains all rules that are applicable to surface coal mining operations in Washington which have

been adopted under the Surface Mining Control and Reclamation Act of 1977.

(b) Most of the rules in this part cross-reference pertinent parts of the permanent program regulations in this chapter. The full text of a rule is in the permanent program rule cited under the relevant section of the Washington Federal program.

(c) The rules in this part apply to all surface coal mining operations in Washington conducted on non-Federal and non-Indian lands. The rules in Subchapter D of this chapter apply to operations on Federal lands in Washington.

(d) The information collection requirements contained in this part do not require approval by the Office of Management and Budget under 44 U.S.C. 3507 because there are fewer than ten respondents annually.

(e) The following provisions of Washington laws generally provide for more stringent environmental control and regulation of some aspects of surface coal mining operations than do the provisions of the Surface Mining Control and Reclamation Act and the regulations in this chapter. Therefore, pursuant to Section 505(b) of the Act, they shall not generally be construed to be inconsistent with the Act, unless in a particular instance the rules in this Chapter are found by OSM to establish more stringent environmental controls:

(1) Washington Clean Air Act, RCW 70.94.

(2) Washington Food Fish and Shell Fish Laws pertaining to the Department of Fisheries on operation in streams, RCW 75.

(3) Washington Hydraulic Projects Approval Law, RCW 75.20.100.

(4) Washington Forest Practices Act, RCW 76.09.

(5) Washington Water Code, RCW 90.03.

(6) Washington Water Pollution Control Act, RCW 90.48.

(7) Washington Minimum Water Flows and Levels Act, RCW 90.22.

(8) Washington Shoreline Management Act, RCW 90.58.

(9) Washington Pesticide Control Act, RCW 15.58.

(f) The following are the Washington law and regulations that generally interfere with the achievement of the purposes and requirements of the Act and are, in accordance with Section 504(g) of the Act, preempted and superseded. Other Washington laws may in an individual situation interfere with the purposes and achievements of the Act and may be preempted and superseded with respect to the performance standards of §§ 947.815-

947.828 as they affect a particular coal exploration or surface mining operation by publication of a notice to that effect in the **Federal Register**.

(1) The Washington Surface Mining Act of 1971, Revised Code of Washington (RCW) 78.44, as related to surface coal mining, except to the extent that it regulates surface coal mining operations which affect two acres or less or which otherwise are not regulated by the Surface Mining Control and Reclamation Act.

(2) Surface Mined Land Reclamation regulations, Washington Administrative Code (WAC) 332-18, as they apply to surface coal mining, except to the extent that such regulations apply to surface coal mining operations which affect two acres or less or which otherwise are not regulated by the Surface Mining Control and Reclamation Act.

(g) The Secretary may grant a limited variance from the performance standards of §§ 947.815 through 947.828 of this Part if the applicant for a coal exploration approval or surface coal mining and reclamation permit submitted pursuant to §§ 947.770 through 947.788 of this Part can demonstrate in the application (1) that such a variance is necessary because of the unique nature of Washington's terrain, climate, biological, chemical, or other relevant physical conditions; and (2) that the proposed alternative will achieve equal or greater environmental protection than does the performance requirement from which the variance is requested.

§ 947.701 General.

(a) Sections 700.5, 700.11, 700.12, 700.13, 700.14, 700.15 and Part 710 of this chapter shall apply to surface coal mining operations in Washington.

(b) The following modified definition shall be applicable under § 701.5 of this chapter: *Forestry (Forest Land)*. Includes land used or managed for the long-term production of wood, wood fiber, or wood derived products. All land which is capable of supporting a merchantable stand of timber and is not being actively used in a manner or for a use which is incompatible with timber growing is also included. Land used for facilities in support of forest harvest and management operations which is adjacent to or an integral part of these operations is also included.

(c) Records required by § 701.14 of this chapter to be made available locally to the public shall be retained at the county recorder's office of the county in which an operation is located, and at the nearest OSM Field Office.

§ 947.707 Exemption for coal extraction incident to government-financed highway or other construction.

Part 707 of this chapter, Exemption for Coal Extraction Incident to Government-Financed Highway or Other Construction, shall apply to surface coal mining and reclamation operations.

§ 947.761 Areas designated unsuitable for surface coal mining by act of Congress.

Part 761 of this chapter, Areas Designated by Act of Congress, shall apply to surface coal mining and reclamation operations.

§ 947.762 Criteria for designating areas as unsuitable for surface coal mining operations.

Part 762 of this chapter, Criteria for Designating Areas Unsuitable for Surface Coal Mining Operations, shall apply to surface coal mining and reclamation operations.

§ 947.764 Process for designating areas unsuitable for surface coal mining operations.

(a) Part 764 of this chapter, State Processes for Designating Areas Unsuitable for Surface Coal Mining Operations, pertaining to petitioning, initial processing, hearing requirements, decisions, data base and inventory systems, public information, and regulatory responsibilities shall apply to surface coal mining and reclamation operations.

(b) The Secretary shall notify the Washington Department of Natural Resources and the Department of Ecology of any area designated unsuitable or for which such designation has been requested or terminated.

§ 947.770 General requirements for permits and exploration procedures.

(a) Part 770 of this chapter, General Requirements for Permit Systems Under State Programs, shall apply to surface coal mining and exploration operations.

(b) The Secretary shall coordinate, to the extent practicable, his responsibilities under the following Federal laws with the relevant Washington State laws to avoid duplication:

	Federal law	Washington law
(1)	Clean Water Act, as amended, 33 U.S.C. 1251 <i>et seq.</i>	Water Pollution Control Act, Chapter 90.48 RCW.
(2)	Clean Air Act, as amended, 42 U.S.C. 7401 <i>et seq.</i>	Washington Clean Air Act, Chapter 70.94 RCW.
(3)	Resource Conservation and Recovery Act, 42 U.S.C. 3251 <i>et seq.</i>	Solid Waste Management Act, Chapter 70.95 RCW; Hazardous Waste Disposal Act, Chapter 70.105 RCW.
(4)	National Historic Preservation Act, 16 U.S.C. 470 <i>et seq.</i>	Indian Graves and Records, Chapter 27.44 RCW.

	Federal law	Washington law
(5)	Archaeological and Historic Preservation Act, 16 U.S.C. 469a <i>et seq.</i>	Archaeological Sites and Resources, Chapter 27.53 RCW. Office of Archeology and Historic Preservation, Chapter 43.51A RCW.
(6)	National Environmental Policy Act, 42 U.S.C. 4321 <i>et seq.</i>	State Environmental Policy Act, Chapter 43.21C RCW.
(7)	Coastal Zone Management Act, 16 U.S.C. 1451, 1453-1464	Shoreline Management Act, Chapter 90.58 RCW.
(8)	Section 208 of the Clean Water Act, as amended, 33 U.S.C. 1251 <i>et seq.</i>	Water Pollution Control Act, Chapter 90.48 RCW, Washington Forest Practices Act, Chapter 76.09 RCW.
(9)	Endangered Species Act, 16 U.S.C. 1531 <i>et seq.</i>	Natural Area Preserves Act (Plants), Chapter 79.70 RCW; Department of Game, Chapter 43.17 RCW; Game Commission, Chapter 77.08 RCW.
(10)	Fish and Wildlife Coordination Act, 16 U.S.C. Sections 661-667	Water Resources Act of 1971, Chapter 90.54 RCW; Minimum Water Flows and Levels, Chapter 90.22 RCW.
(11)	Noise Control Act, 42 U.S.C. Section 4903	Noise Control Act of 1974, Chapter 70.107 RCW.
(12)	Bald Eagle Protection Act, 16 U.S.C. 668-668(d)	

(c) The following State permits shall be coordinated by the Secretary to avoid duplication to the extent possible:

- (1) Department of Ecology:
 - Surface Water Rights Permit, RCW 90.03.250
 - Dam Safety Approval, RCW 90.03.350
 - Reservoir Permit, RCW 90.03.370
 - Approval of Change of Place or Purpose of Use (water); RCW 90.03.380
 - Ground Water Permit, RCW 90.44.050
 - New Source Construction Approval, RCW 70.94.152
 - Burning Permit, RCW 70.94.650
 - Flood Control Zone Permit RCW 86.16.080
 - Waste Discharge Permit, RCW 90.48.180
 - National Pollution Discharge Elimination System (NPDES) Permit, RCW 90.48
 - Approval of Change of Point of Diversion, RCW 90.03.380
 - Sewage Facilities Approval, RCW 90.48.110
 - Water Quality Certification, RCW 90.48.160
- (2) Department of Natural Resources:
 - Burning Permit, RCW 76.04.150 & .170
 - Dumping Permit, RCW 76.04.242
 - Operating Permit for Machinery, RCW 76.04.275
 - Cutting Permit, RCW 76.08.030
 - Forest Practices, RCW 76.09.060
 - Right of Way Clearing, RCW 76.04.310
 - Drilling Permit, RCW 78.52.120
- (3) Regional Air Pollution Control Agencies:

New Source Construction Approval,
RCW 70.94.152
Burning Permit, RCW 70.94.650

(4) Department of Fisheries: Hydraulic
Permit, RCW 75.20

(5) Department of Game: Hydraulic
Permit, RCW 75.20.100

(6) Department of Social Health
Services:

Public Sewage, WAC 248.92

Public Water Supply, WAC 248.54

(7) Department of Labor and Industries:
Explosive license, RCW 70.74.135
Blaster's license, WAC 296.52.040
Purchaser's license, WAC 296.52.220
Storage Magazine license, WAC
296.52.170

(8) Cities and Counties:

New Source Construction Approval,
RCW 70.94.152

Burning Permit, RCW 70.94.650

Shoreline Substantial Development
Permit, RCW 90.58.140

Zoning and Building Permits, Local
Ordinances

(d) Where applicable, no person shall
conduct coal exploration operations
which result in the removal of more than
250 tons in one location or surface coal
mining and reclamation operations
without first obtaining permits required
by the State of Washington.

**§ 947.771 General requirements for
permits and permit applications.**

(a) Part 771 of this chapter, General
Requirements for Permits and Permit
Applications, shall apply to any person
who makes application for a permit to
conduct surface coal mining and
reclamation operations.

(b) Any person who wishes to conduct
new surface coal mining and
reclamation operations shall file a
complete application at least 12 months
prior to the date upon which permit
issuance is desired, and shall pay to the
Secretary a permit fee in accordance with
30 CFR 736.25.

(c) Any person who wishes to revise a
permit shall submit a complete
application as early as possible prior to
the date upon which permit issuance is
desired and shall pay to the Secretary a
fee in accordance with 30 CFR 736.25.

**§ 947.776 General Requirements for Coal
Exploration.**

(a) Part 776 of this chapter, General
Requirements for Coal Exploration, shall
apply to any person who conducts or
seeks to conduct coal exploration
operations.

(b) The Office shall make every effort
to act on an exploration application
within 60 days of receipt or such longer
time as may be reasonable under the
circumstances. If additional time is
needed, the Director shall notify the

applicant within 15 days of receipt that
more time is necessary to complete
review of the application and set forth
the reasons and the additional time that
is needed.

**§ 947.778 Surface mining permit
applications—minimum requirements for
legal, financial, compliance and related
information.**

Part 778 of this chapter, Surface
Mining Permit Applications—Minimum
Requirements for Legal, Financial,
Compliance, and Related Information,
shall apply to any person who makes
application for a permit to conduct
surface coal mining and reclamation
operations.

**§ 947.779 Surface mining permit
applications—minimum requirements for
information on environmental resources.**

Part 779 of this chapter, Surface
Mining Permit Applications—Minimum
Requirements for Information on
Environmental Resources, shall apply to
any person who makes application to
conduct surface coal mining and
reclamation operations.

**§ 947.780 Surface mining permit
applications—minimum requirements for
reclamation and operation plan.**

(a) Part 780 of this chapter, Surface
Mining Permit Applications—Minimum
Requirement for Reclamation and
Operation Plan, shall apply to any
person who makes application to
conduct surface coal mining and
reclamation operations.

(b) Any applicant for a surface coal
mining permit which is to produce more
than 1,000,000 tons per year shall
demonstrate compliance with local Air
Pollution Control Authorities and the
Washington Clean Air Act, RCW 70.94.

(c) Any applicant for a surface mining
permit shall describe the steps taken to
comply with the Washington Water
Pollution Control Act, RCW 90.48.

**§ 947.782 Underground mining permit
applications—minimum requirements for
legal, financial, compliance, and related
information.**

Part 782 of this chapter, Underground
Mining Permit Applications—Minimum
Requirements for Legal, Financial,
Compliance, and Related Information,
shall apply to any person who makes
application for a permit to conduct
underground coal mining operations.

**§ 947.783 Underground mining permit
applications—minimum requirements for
information on environmental resources.**

Part 783 of this chapter, Underground
Mining Permit Applications—Minimum
Requirements for Information on
Environmental Resources, shall apply to
any person who submits an application

to conduct underground coal mining
operations.

**§ 947.784 Underground mining permit
applications—minimum requirements for
reclamation and operation plan.**

(a) Part 784 of this chapter,
Underground Mining Permit
Applications—Minimum Requirements
for Reclamation and Operation Plan,
shall apply to any person who makes
application to conduct underground coal
mining operations.

(b) Any application for an
underground mining permit which will
produce more than 1,000,000 tons per
year shall demonstrate specific
compliance with local Air Pollution
Control Authorities and the Washington
Clean Air Act, RCW 70.94.

(c) Any applicant for an underground
mining permit shall also indicate how
compliance will be achieved with the
Washington Water Pollution Control
Act, RCW 90.48.

**§ 947.785 Requirements for permits for
special categories of mining.**

Part 785 of this chapter, Requirements
for Permits for Special Categories of
Mining, shall apply to each person who
makes application for a permit to
conduct certain categories of surface
coal mining and reclamation operations
as specified therein.

**§ 947.786 Review, public participation, and
approval or disapproval of permit
applications and permit terms and
conditions.**

(a) Part 786 of this chapter, Review,
Public Participation, and Approval or
Disapproval of Permit Applications and
Permit Terms and Conditions, shall
apply to the review of applications
made by any person for surface coal
mining and reclamation operations.

(b) The Secretary shall provide a copy
of the decision to grant or deny a permit
application to the Washington
Department of Natural Resources, the
Department of Ecology and to the
county Department of Planning, if any,
in which the operation is located.

**§ 947.787 Administrative and judicial
review of decisions on permit applications.**

Part 787, Administrative and Judicial
Review of Decisions by Regulatory
Authority on Permit Applications, shall
apply to the review of decisions on
permit applications for surface coal
mining and reclamation operations.

**§ 947.788 Permit reviews, revisions, and
renewals, and transfer, sale, and
assignment of rights granted under
permits.**

Part 788 of this chapter, Permit
Reviews, Revisions, and Renewals, and

Transfer, Sale, and Assignment of Rights Granted Under Permits, shall apply to review, revision, and renewal of permits for surface coal mine operations, and to transfer, sale, and assignment of rights granted under permits.

§ 947.795 Small operator assistance.

Part 795 of this chapter, Small Operator Assistance, shall apply to any person making application for assistance under the small operator assistance program.

§ 947.800 Requirements for bonding of surface coal mining and reclamation operations.

Part 800 of this chapter, Requirements for Bonding of Surface Coal Mining and Reclamation Operations Under Regulatory Programs, shall apply to all surface coal mining and reclamation operations.

§ 947.815 Performance standards—coal exploration.

(a) Part 815 of this chapter, Permanent Program Performance Standards—Coal Exploration, shall apply to any person conducting coal exploration operations.

(b) Any person who conducts coal exploration operations shall comply with the Washington Forest Practices Act, RCW 76.09, and regulations promulgated pursuant to it.

§ 947.816 Performance standards—surface mining activities.

(a) Part 816 of this chapter, Permanent Program Performance Standards—Surface Mining Activities, shall apply to any person who conducts surface coal mining and reclamation operations.

(b) All operators shall have a plan of reclamation approved by the Washington Department of Fisheries for operation in affected streams, RCW 75, and shall comply with the Hydraulic Project Approval Law, RCW 75.20.100, the Shoreline Management Act, RCW 90.58, the Forest Practices Act, RCW 76.09, the Water Pollution Control Act, RCW 90.48, the Minimum Water Flows and Levels Act, RCW 90.22, and the Pesticide Control Act, RCW 15.58, and regulations promulgated pursuant to these laws.

§ 947.817 Performance standards—underground mining activities.

(a) Part 817 of this chapter, Permanent Program Performance Standards—Underground Mining Activities, shall apply to any person who conducts underground coal mining operations.

(b) All operators shall have a plan of

reclamation approved by the Washington Department of Fisheries for operation in affected streams, RCW 75, and shall comply with the Hydraulic Project Approval Law, RCW 75.20.100, the Shoreline Management Act, RCW 90.58, the Forest Practices Act, RCW 76.09, the Water Pollution Control Act, RCW 90.48, the Minimum Water Flows and Levels Act, RCW 90.22, the Pesticide Control Act, RCW 15.58, and the Washington Water Code, RCW 90.03, and regulations promulgated pursuant to these laws.

§ 947.818 Special performance standards—concurrent surface and underground mining.

Part 818 of this chapter, Special Permanent Program Performance Standards—Concurrent Surface and Underground Mining, shall apply to any person who conducts concurrent surface and underground coal mining operations.

§ 947.819 Special performance standards—auger mining.

Part 819 of this chapter, Special Permanent Program Performance Standards—Auger Mining, shall apply to any person who conducts surface coal mining operations which include auger mining.

§ 947.822 Special performance standards—operations on alluvial valley floors.

Part 822 of this chapter, Special Performance Standards—Operations on Alluvial Valley Floors, shall apply to any person who conducts surface coal mining operation on alluvial valley floors.

§ 947.823 Special performance standards—operations on prime farmland.

Part 823 of this chapter, Special Permanent Program Performance Standards—Operations on Prime Farmland, shall apply to any person who conducts surface coal mining and reclamation operations on prime farmland.

§ 947.824 Special performance standards—mountaintop removal.

Part 824 of this chapter, Special Permanent Program Performance Standards—Mountaintop Removal, shall apply to any person who conducts surface coal mining operations constituting mountaintop removal mining.

§ 947.826 Special performance standards—operation on steep slopes.

Part 826 of this chapter, Special Permanent Program Performance Standards—Operations on Steep Slopes, shall apply to any person who conducts surface coal mining and reclamation operations on steep slopes.

§ 947.827 Special performance standards—coal processing plants and support facilities not located at or near the minesite and not within the permit area for a mine.

Part 827 of this chapter, Special Permanent Program Performance Standards—Coal Processing Plants and Support Facilities Not Located at or Near the Minesite or Not Within the Permit Area for a Mine, shall apply to any person who conducts surface coal mining and reclamation operations which include the operation of coal processing plants and support facilities not located at or near the minesite and not within the permit area for a mine.

§ 947.828 Special performance standards—in situ processing.

Part 828 of this chapter, Special Permanent Program Performance Standards—In Situ Processing, shall apply to any person who conducts in situ processing activities.

§ 947.842 Federal inspections.

(a) Part 842 of this chapter, Federal Inspections, shall apply to all exploration and surface coal mining and reclamation operations.

(b) Upon request OSM shall furnish a copy of any inspection report to the Washington Department of Natural Resources and the Department of Ecology. If there is a planning department in the county government where the operation is located, a copy of the enforcement action shall be furnished to that agency.

§ 947.843 Federal enforcement.

(a) Part 843 of this chapter, Federal Enforcement, shall apply when enforcement action is required for violations on surface coal mining and reclamation operations.

(b) Upon request OSM shall furnish a copy of each enforcement action document and order to show cause issued pursuant to this section to the Washington Department of Natural Resources and the Department of Ecology. If there is a planning

department in the county government where the operation is located, a copy of the enforcement action shall be furnished to that agency.

§ 947.845 Civil penalties.

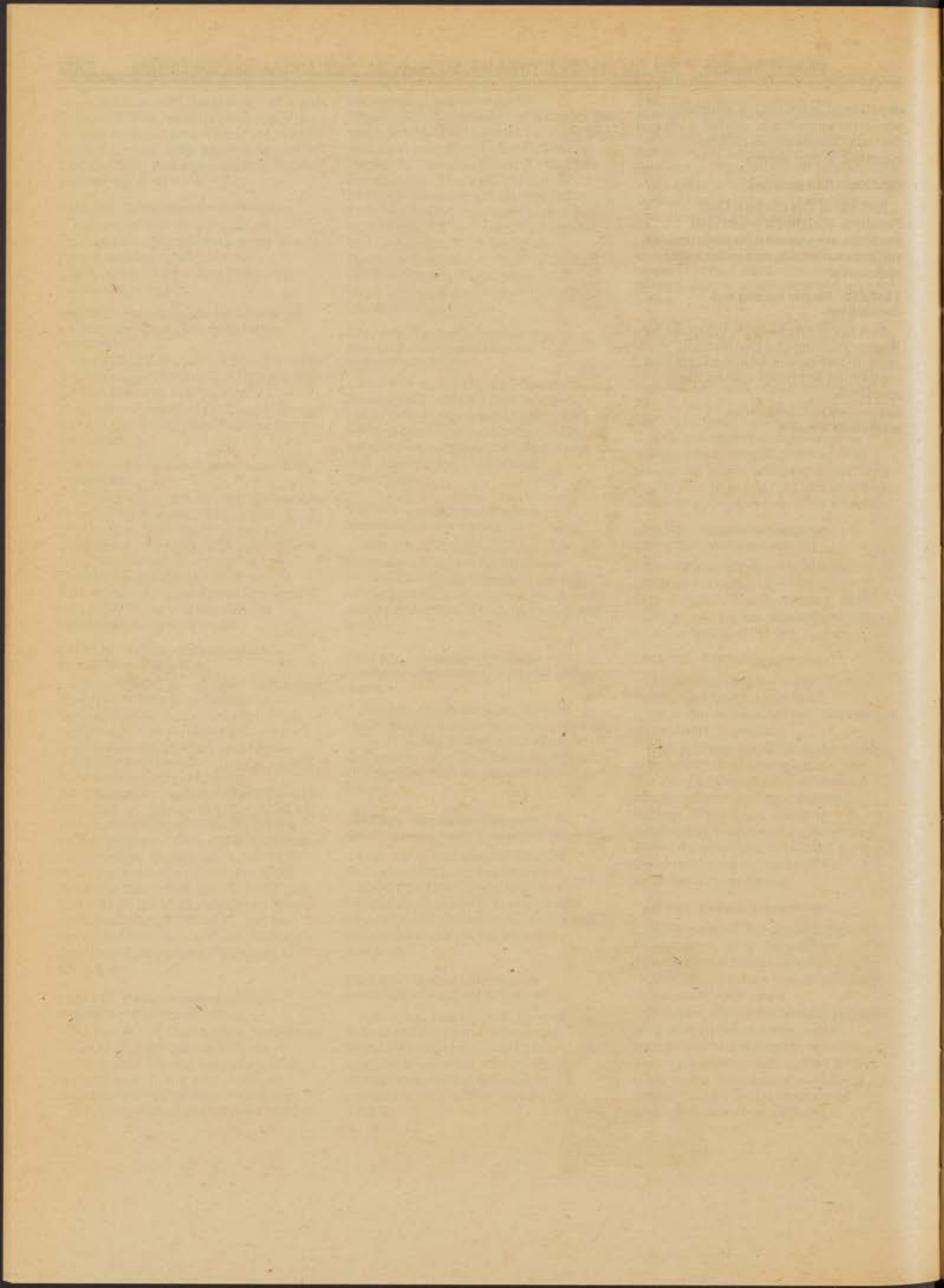
Part 845 of this chapter, Civil Penalties, shall apply when civil penalties are assessed for violations on surface coal mining and reclamation operations.

§ 947.850 Blaster training and certification.

Part 850 of this chapter, Programs for Blaster Training and Certification, shall apply to any person who conducts coal exploration or surface coal mining operations.

[FR Doc. 83-4419 Filed 2-23-83; 8:45 am]

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Federal Register

Thursday
February 24, 1983

Part III

Department of the Interior

Fish and Wildlife Service

National Wildlife Refuges in Alaska;
Description of Boundaries

DEPARTMENT OF THE INTERIOR

Fish and Wildlife Service

National Wildlife Refuges in Alaska;
Description of Boundaries

AGENCY: Fish and Wildlife Service,
Interior.

ACTION: Notice.

SUMMARY: This notice sets out the legal descriptions of the external boundaries of national wildlife refuges established in Alaska under sections 302 and 303 of the Alaska National Interest Lands Conservation Act (ANILCA). Also described are the external boundaries of units of the National Wilderness Preservation System established within these refuges under section 702 of the ANILCA. Limited descriptions are included for wild and scenic rivers established on refuges under sections 602 and 603 and rivers designated for study under section 604. Publication of these legal descriptions is required by section 103 of the ANILCA. Generalized location maps are included also.

DATE: Pursuant to section 103(b) of ANILCA these boundary descriptions are effective as of December 2, 1980.

FOR FURTHER INFORMATION CONTACT:

Regional Director, U.S. Fish and Wildlife Service (Attn: Bill Mattice), 1011 East Tudor Road, Anchorage, Alaska 99507 (Phone: 907-276-3800),

or

Director, U.S. Fish and Wildlife Service (Attn: Christine Enright), 18th and C Streets, NW., Washington, D.C. 20240 (Phone: 202-653-7650).

SUPPLEMENTARY INFORMATION: Under section 103(b) of the Alaska National Interest Lands Conservation Act (ANILCA), Pub. L. 96-487 (94 Stat. 2371) the Secretary of the Interior was directed to publish legal descriptions and boundary maps for the land status changes effected by ANILCA, including national wildlife refuges and their wilderness areas. The official legal descriptions for refuges, and wilderness areas therein, are included in this notice. While generalized location maps for these areas also are included in this notice, the 1:250,000 scale maps developed for public use under section 103(b), whose official names and dates are listed below, are incorporated by this notice and are available for inspection at the Department of the Interior Library (Room 1140, 18th and C Streets, NW., Washington, D.C. 20240), U.S. Geological Survey map reference libraries in Alaska, and at the Fish and Wildlife Service Regional Office in Anchorage, Alaska. The maps are also

available for sale from the U.S. Geological Survey. Limited descriptions of wild and scenic rivers and study rivers within refuges are included also, although they are not depicted on the 1:250,000 scale maps at this time.

The ANILCA established 16 national wildlife refuges in Alaska. All previously existing Alaska national wildlife refuges are included in these 16 units and are generally designated as units or subunits of the expanded refuges. The refuges established by ANILCA, with the date of their official maps noted in parentheses, are as follows:

- Alaska Maritime National Wildlife Refuge (October 1979) (including the previously existing Aleutian Islands, Bering Sea, Bogoslof, Chamisso, Forrester Island, Hazy Islands, Pribilof, Semidi, Simeonof, St. Lazaria and Tuxedni National Wildlife Refuges)
- Alaska Peninsula National Wildlife Refuge (October 1979)
- Arctic National Wildlife Refuge (August 1980) (including the previously existing William O. Douglas Arctic National Wildlife Range)
- Becharof National Wildlife Refuge (July 1980)
- Innoko National Wildlife Refuge (October 1978)
- Izembek National Wildlife Refuge (October 1978) (including the previously existing Izembek National Wildlife Range and a portion of the Aleutian Islands National Wildlife Refuge)
- Kanuti National Wildlife Refuge (July 1980)
- Kenai National Wildlife Refuge (October 1978) (including the previously existing Kenai National Moose Range)
- Kodiak National Wildlife Refuge (October 1978) (including the previously existing Kodiak National Wildlife Refuge)
- Koyukuk National Wildlife Refuge (July 1980)
- Nowitna National Wildlife Refuge (July 1980)
- Selawik National Wildlife Refuge (July 1980)
- Tetlin National Wildlife Refuge (July 1980)
- Togiak National Wildlife Refuge (April 1980) (including the previously existing Cape Newenham National Wildlife Refuge)
- Yukon Delta National Wildlife Refuge (April 1980) (including the previously existing Clarence Rhode National Wildlife Range and Hazen Bay and Nunivak National Wildlife Refuges)
- Yukon Flats National Wildlife Refuge (July 1980)

Use of Refuge Lands

The legal descriptions that follow are those of the external boundaries of the above-listed refuges. State, Native corporate, and private land holdings within these boundaries cannot be accurately described at this time and thus have not been identified on the available maps. Inclusion of these non-public lands within the described boundaries should not be interpreted as authorizing public use of such lands. Uses of the public lands within the described boundaries are controlled by the laws and regulations governing administration of units of the National Wildlife Refuge System and provisions of the ANILCA. Persons desiring information on land status or use of lands within the described refuges may contact the Alaska Regional Director of the U.S. Fish and Wildlife Service.

Many of the boundaries described for Alaska refuges follow natural features, such as lakes or rivers. Where such a water body forms a portion of the boundary, general riparian law shall apply to that boundary.

Note.—The term "public lands" as used throughout this Notice is defined by ANILCA as those lands, waters, and interests therein, the title to which is in the United States after December 2, 1980, except:

(A) Land selections of the State of Alaska which have been tentatively approved or validly selected under the Alaska Statehood Act and lands which have been confirmed to, validly selected by, or granted to the Territory of Alaska or the State under any other provision of Federal law;

(B) Land selections of a Native Corporation made under the Alaska Native Claims Settlement Act, Pub. L. 92-203 (85 Stat. 688), as amended, which have not been conveyed to a Native Corporation, unless any such selection is determined to be invalid or is relinquished; and

(C) Lands referred to in section 19(b) of the Alaska Native Claims Settlement Act.

Those lands selected by the State or a Native Corporation within the external boundaries of a national wildlife refuge are to be administered by the U.S. Fish and Wildlife Service under applicable refuge laws until conveyed or interimly conveyed. Those validly selected by, but not ultimately conveyed to, the State or a Native Corporation within the external boundaries of a national wildlife refuge become part of that refuge.

Within the coastal boundaries of areas added to the National Wildlife Refuge System, Federal ownership does not extend below mean high tide to include lands owned by the State of Alaska except where the State may agree to that extension. However, lands above mean high tide on islands, islets, rock, reefs or spires and Federal

tidelands within these external boundaries are part of the respective refuges.

Subject to valid existing rights, all public lands within Federal reservations for defense, navigation, communications and other purposes within the external boundaries of any refuge described are part of that refuge. Rights of holding agencies are set forth in section 1310 of ANILCA.

Wilderness Units Described

In this notice, legal descriptions of the external boundaries of units of the National Wilderness Preservation System established by ANILCA within national wildlife refuges in Alaska can be found after the boundary description for the refuge in which they are located. The wilderness units established by ANILCA, with the date of their official maps noted in parentheses, are as follows:

- Aleutian Islands Wilderness (October 1978)—in Alaska Maritime NWR
- Andreafsky Wilderness (April 1980)—in Yukon Delta NWR
- Arctic Wildlife Refuge Wilderness (August 1980)—in Arctic NWR
- Becharof Wilderness (July 1980)—in Becharof NWR
- Innoko Wilderness (October 1978)—in Innoko NWR
- Izembek Wilderness (October 1978)—in Izembek NWR
- Kenai Wilderness (October 1978)—in Kenai NWR
- Koyukuk Wilderness (July 1980)—in Koyukuk NWR
- Nunivak Wilderness (July 1980)—in Yukon Delta NWR
- Selawik Wilderness (July 1980)—in Selawik NWR
- Semidi Wilderness (October 1978)—in Alaska Maritime NWR
- Togiak Wilderness (July 1980)—in Togiak NWR
- Unimak Wilderness (October 1978)—in Alaska Maritime NWR

Eight additional units of the National Wilderness Preservation System were established in Alaska national wildlife refuges prior to passage of ANILCA. In the interest of consolidating legal descriptions of all Alaska national wildlife refuges and refuge wilderness units in one publication, the descriptions of the following previously established wilderness units are included in this notice. All eight of these units are located in the Alaska Maritime National Wildlife Refuge: Bering Sea Wilderness, Bogoslof Wilderness, Forrester Island Wilderness, Hazy Islands Wilderness, Saint Lazaria Wilderness and Tuxedni

Wilderness, which were established by Pub. L. 93-504; Chamisso Wilderness, Which was established by Pub. L. 93-632; and Simeonof Wilderness, which was established by Pub. L. 94-557.

Use of Wilderness Units

In addition to the laws and regulations governing the use of refuge lands, described above, the use of wilderness units is governed by provisions of the Wilderness Act (16 U.S.C. 1131 *et seq.*) ANILCA and applicable regulations in Title 50 of the Code of Federal Regulations Part 35.

National Wild and Scenic Rivers

ANILCA designated the following national wild rivers in national wildlife refuges in Alaska: Ivishak, Sheenjek (Upper) and Wind Wild Rivers in Arctic NWR; Nowitna Wild River in Nowitna NWR; Selawik Wild River in Selawik NWR; Andreafsky Wild River in Yukon Delta NWR; and a portion of Beaver Creek Wild River in Yukon Flats NWR.

Designated for 3-year study for possible addition to the National Wild and Scenic Rivers System are the following rivers: Kanektok River in Togiak NWR; Kisaralik River in Yukon Delta NWR; and the Porcupine and Sheenjek (Lower) Rivers in Yukon Flats NWR.

The ANILCA descriptions of national wild rivers within national wildlife refuges are included in this notice, but they are not depicted on the 1:250,000 scale maps at this time. These limited descriptions can be found following the description of the refuge in which they occur. The corridors of the designated wild rivers are to be identified and described as part of the comprehensive conservation planning process for each refuge (due in 2 to 6 years). Corridors for rivers designated for study include the public lands within the bed or banks of the river and the area extending 2 miles outward from each bank of the river channel. These corridors are withdrawn for a minimum period of 3 to 6 years pending review of their suitability for inclusion in the Wild and Scenic Rivers System. Beginning and ending points of these study rivers have been included in this notice.

At such time as management corridors are finalized for the designated wild rivers, they will be described on the 1:250,000 scale maps.

In addition to regulations governing use of national wildlife refuges, use of these river areas is governed by the Wild and Scenic Rivers Act (16 U.S.C. 1271-1287), as amended by the ANILCA.

Availability of Maps

The maps of the Alaska national wildlife refuges included in this notice are generalized depictions of the lands described. Maps at this scale cannot accurately depict the actual boundaries and should be used only as general location references. Persons desiring more detailed information on refuge and wilderness boundaries are directed to maps, at the scale of 1:250,000, which are available for review at U.S. Geological Survey map reference libraries in Alaska and at the following locations:

- Department of the Interior Library, Room 1140, 18th and C Streets, N.W., Washington, D.C. 20240
- U.S. Fish and Wildlife Service, 1011 East Tudor Road, Anchorage, Alaska 99507
- Additionally, the 1:250,000 scale maps are available for sale by the U.S. Geological Survey at the following locations:
- U.S. Geological Survey, Alaska Distribution Section, 101 12th Avenue, Fairbanks, Alaska 99701
- U.S. Geological Survey, Public Inquiries Office, 503 National Center, Reston, Virginia 22092
- U.S. Geological Survey, Western Distribution Branch, Box 25286—Mail Stop 306, Federal Center, Denver, Colorado 80226

Official Bureau of Land Management land status records for Alaska are maintained on maps at the scale of 1:63,360. The maps from which the legal descriptions in this notice were written are at the 1:63,360 scale, where available, and reflect greater detail and accuracy than that depicted on the 1:250,000 scale maps prepared for public use. These maps are available for review in the Office of the Regional Director, Anchorage, Alaska. A list of the specific maps used to develop these legal descriptions, follows the description for each refuge.

The large number of maps (approximately 850) necessary to depict the Alaska national wildlife refuges at the 1:63,360 scale precludes their reproduction for public use. However, as the U.S. Geological Survey revises individual maps at this scale, the new boundary lines will be depicted. These revised maps will eventually be available through normal U.S.G.S. sales outlets.

Dated: February 1, 1983.
Robert A. Jantzen,
Director, Fish and Wildlife Service.

BILLING CODE 4310-55-M

Thence southwesterly, along the crest of the divide between Uliaguk Creek, Oligavik Creek, Kapiok Creek, Agovlik Creek, Sikripuk Creek, Oukrook Creek, Sinikuk Creek and Akalak Creek drainages, approximately 1 1/2 miles to the top of a hill in the easterly portion of section 34, T. 10 S., R. 61 W., Uniat Meridian, approximate elevation 940 feet;

Thence on an approximate forward bearing of S. 20° E., approximately 1/2 mile to the corner of sections 2, 3, 34 and 35, Tps. 10 and 11 S., R. 61 W., Uniat Meridian;

Thence westerly, between Tps. 10 and 11 S., approximately 3 1/2 miles to the meander corner of sections 5 and 31, Tps. 10 and 11 S., R. 61 W., Uniat Meridian, at the line of mean high tide of the Chukchi Sea;

Thence northerly and easterly, along the line of mean high tide of the Chukchi Sea and the Arctic Ocean, respectively, to the meander corner between sections 1 and 6, T. 7 S., R. 58 and 59 W., Uniat Meridian, the point of beginning.

CHAMISSO SUBUNIT

Chamisso Subunit includes all lands (including submerged lands), waters and interests described in Executive Order No. 1658, dated December 7, 1912, within thumb lines connecting the following 18 geographic coordinates;

66° 13' 15" N., 161° 52' W., said coordinate being approximately N. 82° W., approximately 1 1/5 miles from the top of a hill near the center of Chamisso Island, approximate elevation 246 feet;

66° 13' N., 161° 52' W.;

66° 12' 45" N., 161° 52' W.;

66° 12' 22" N., 161° 50' 20" W., said coordinate being approximately S. 21° E., approximately 1/2 mile from the most southern point on Chamisso Island at the line of mean high tide;

66° 12' 15" N., 161° 49' W.;

66° 12' 45" N., 161° 47' 30" W.;

66° 12' 45" N., 161° 46' 57" W.;

66° 13' N., 161° 46' 47" W.;

66° 13' 15" N., 161° 46' 53" W., said coordinate being approximately N. 82° E., approximately 3/5 miles from the most eastern point on Chamisso Island, at the line of mean high tide;

CONSERVATION SYSTEM UNITS ESTABLISHED IN ALASKA

WITHIN THE NATIONAL REFUGE SYSTEM

ALASKA MARITIME NATIONAL WILDLIFE REFUGE

Section 303 (1):

"The Alaska Maritime National Wildlife Refuge shall consist of eleven existing refuges, including all lands (including submerged lands), waters and interests therein which were a part of such refuges and are hereby redesignated as subunits of the Alaska Maritime National Wildlife Refuge; approximately four hundred and sixty thousand acres of additional public lands on islands, islets, rocks, reefs, spires and designated capes and headlands in the coastal areas and adjacent seas of Alaska, and an undetermined quantity of submerged lands, if any, retained in Federal ownership at the time of statehood around Kodiak and Afognak Islands, as generally depicted on the map entitled "Alaska Maritime National Wildlife Refuge", dated October 1979."

CHUKCHI SEA UNIT—"including Cape Lisburne, Cape Thompson, the existing Chamisso National Wildlife Refuge, and all other public lands on islands, islets, rocks, reefs, spires, and designated capes and headlands in the Chukchi Sea, but excluding such other offshore public lands within the Bering Land Bridge National Preserve. That portion of the public lands on Cape Lisburne shall be ceded and appropriately identified as the "Ann Stevens-Cape Lisburne" subunit of the Chukchi Sea Unit."

The Chukchi Sea Unit includes the following described lands:

Designated subunits:

ANN STEVENS - CAPE LISBURNE SUBUNIT

The Ann Stevens-Cape Lisburne Subunit includes all public lands, as defined by the ANILCA, within the following boundary:

Beginning at the meander corner between sections 1 and 6, T. 7 S., R. 58 and 59 W., Uniat Meridian, at the line of mean high tide of the Chukchi Sea;

Thence southerly, between Rs. 58 and 59 W., approximately 1 1/2 miles to the standard corner of T. 8 S., R. 58 and 59 W., Uniat Meridian;

Thence westerly, along the Second Standard Parallel South, approximately 3 miles to the summit of a ridge between sections 3 and 34, Tps. 8 and 9 S., R. 59 and 60 W., Uniat Meridian;

Thence on an approximate forward bearing of N. 76° E., approximately 1 1/8 miles to the top of a hill in the southwest portion of section 27, T. 34 N., R. 31 W., Kateel River Meridian, approximate elevation 750 feet;

Thence on an approximate forward bearing of S. 61° E., approximately 3 5/8 miles to the top of a hill on the north and south centerline of section 6, T. 33 N., R. 30 W., Kateel River Meridian, approximate elevation 605 feet;

Thence on an approximate forward bearing of S. 47° E., approximately 5/8 miles to the top of a hill on the west boundary line of section 8, T. 33 N., R. 30 W., Kateel River Meridian, approximate elevation 520 feet;

Thence on an approximate forward bearing of S. 38° E., approximately 2 miles to the summit of a ridge in the southwest portion of section 16, T. 33 N., R. 30 W., Kateel River Meridian, approximate elevation 800 feet;

Thence on an approximate forward bearing of S. 16° W., approximately 1/4 mile to a Horizontal Control Station on the summit of a ridge in the northwest 1/4 of section 21, T. 33 N., R. 30 W., Kateel River Meridian, approximate elevation 886 feet;

Thence on an approximate forward bearing of S. 37° E., approximately 2 3/4 miles to the top of a hill in the northeast portion of section 34, T. 33 N., R. 30 W., Kateel River Meridian, approximate elevation 410 feet;

Thence on an approximate forward bearing of S. 65° 30' E., approximately 2 miles to the summit of a ridge in the northwest portion of section 3, T. 32 N., R. 30 W., Kateel River Meridian, approximate elevation 753 feet;

Thence on an approximate forward bearing of S. 11° W., approximately 2 miles to the summit of a ridge in the northeast portion of section 16, T. 32 N., R. 30 W., Kateel River Meridian, approximate elevation 1,020 feet;

Thence on an approximate forward bearing of S. 59° 30' E., approximately 1 1/4 miles to the top of a hill in the southeast portion of section 15, T. 32 N., R. 30 W., approximate elevation 603 feet;

Thence on an approximate forward bearing of N. 85° 30' E., approximately 1 3/8 miles to the summit of a ridge in the southwest portion section 13, T. 32 N., R. 30 W., Kateel River Meridian, approximate elevation 1,070;

Thence on an approximate forward bearing of S. 33° W., approximately 3/4 miles to the summit of a ridge on the east and west centerline of section 23, T. 32 N., R. 30 W., Kateel River Meridian, approximate elevation 1,000 feet;

66° 13' 15" N., 161° 47' 18" W.;

66° 13' 45" N., 161° 47' 46" W.;

66° 14' N., 161° 48' 20" W.;

66° 14' 14" N., 161° 49' 22" W.;

66° 14' 20" N., 161° 50' W.;

66° 14' N., 161° 50' 41" W.;

66° 14' N., 161° 51' 30" W.;

66° 13' 45" N., 161° 51' 48" W., said coordinate being due West, approximately 1/5 miles from the most northern point on Puffin Island, at the line of mean high tide;

66° 13' 30" N., 161° 52' W., to the point of beginning.

Designated capes and headlands:

CAPE THOMPSON

Cape Thompson includes all public lands, as defined by the ANILCA, within the following boundary:

Beginning at the meander corner between sections 3 and 34, Tps. 33 and 34 N., R. 33 W., Kateel River Meridian, at the line of mean high tide of the Chukchi Sea;

Thence easterly, between Tps. 33 and 34 N., approximately 300 feet to the meander corner of section 3 and 34, Tps. 33 and 34 N., R. 33 W., Kateel River Meridian, at the line of mean high tide of Alimtak Lagoon;

Thence easterly, between Tps. 33 and 34 N., approximately 7 3/4 miles to the corner of Sections 1, 2, 35 and 36, Tps. 33 and 34 N., R. 32 W., Kateel River Meridian;

Thence on an approximate forward bearing of N. 31° E., approximately 1/4 mile to top of a hill on the east and west centerline of section 36, T. 34 N., R. 32 W., Kateel River Meridian, approximate elevation 250 feet;

Thence on an approximate forward bearing of N. 60° E., approximately 1 1/4 miles to the top of a hill in the southeastern portion of section 30, T. 34 N., R. 31 W., Kateel River Meridian, approximate elevation 560 feet;

Thence on an approximate forward bearing of S. 77° E., approximately 1 5/8 miles to the top of a hill in the northwest portion of section 33, T. 34 N., R. 31 W., Kateel River Meridian, approximate elevation 605 feet;

And, all public lands, as defined by the ANILCA, on all named and unnamed islands, islets, rocks, reefs and spires in the Chukchi Sea. It is the intent of this description to include all such public lands occurring within all arms, bays, bights, coves, entrances, gulfs, harbors, inlets, lagoons, passages, passes, ports, sounds and straits, but not to include lands inland of the mouths of rivers or lakes on the mainland of Alaska.

Section 303 (1):

BERING SEA UNIT--"Including the existing Bering Sea and Pribilof (Walrus and Otter Islands) National Wildlife Refuges, Hagemeister Island, Fairway Rock, Sledge Island, Rieff Unit, Peabody Island, Pook Islands, Egg Island, King Island, and all other public lands on islands, islets, rocks, reefs, spires and designated capes and headlands in the Bering Sea;"

The Bering Sea Unit includes the following described lands:

Designated subunits:

BERING SEA SUBUNIT

Bering Sea Subunit includes all lands (including submerged lands), waters and interests described in Executive Order No. 10317, dated February 2, 1969, within thumb lines connecting the following 16 geographic coordinates;

60° 40' N., 173° 17' W., said coordinate being approximately 6 1/2 miles west of the top of a mountain on Hall Island, approximate elevation 1,665 feet;
60° 35' N., 173° 20' W.;
60° 30' N., 173° 18' W.;
60° 25' N., 173° 14' W.;
60° 15' N., 173° 00' W.;
60° 11' 40" N., 172° 51' W.;
60° 09' 40" N., 172° 40' W., said coordinate being approximately S. 10° 30' W., approximately 12 miles from the top of Sugar Loaf Mountain, approximate elevation 1,380 feet;

Thence on an approximate forward bearing of S. 15° E., approximately 1 mile to the summit of a ridge in the northwest portion of section 25, T. 32 N., R. 30 W., Kateel River Meridian, approximate elevation 880 feet;

Thence on an approximate forward bearing of N. 71° E., approximately 2 miles to the summit of a ridge in the southwest portion of section 20, T. 32 N., R. 29 W., Kateel River Meridian, approximate elevation 755 feet;

Thence on an approximate forward bearing of S. 72° 30' E., approximately 1 1/4 miles to the summit of a ridge in the northwest portion of section 28, T. 32 N., R. 29 W., Kateel River Meridian, approximate elevation 552 feet;

Thence on an approximate forward bearing of S. 25° 30' W., approximately 2 3/8 miles to the summit of a ridge in the northwest portion of section 5, T. 31 N., R. 29 W., Kateel River Meridian, approximate elevation 652 feet;

Thence on an approximate forward bearing of S. 21° E., approximately 1 1/4 miles to the summit of a ridge in the southeast portion of section 8, T. 31 N., R. 29 W., Kateel River Meridian, approximate elevation 602 feet;

Thence on an approximate forward bearing of S. 26° E., approximately 1 1/4 miles to the summit of a ridge on the east and west centerline of section 16, T. 31 N., R. 29 W., Kateel River Meridian, approximate elevation 665 feet;

Thence on an approximate forward bearing of N. 77° 45' E., approximately 3/4 of a mile to a top of a hill on the east boundary of section 16, T. 31 N., R. 29 W., approximate elevation 520 feet;

Thence on an approximate forward bearing of S. 67° E., approximately 5/8 of a mile to the summit of a ridge in the southeast portion of section 15, T. 31 N., R. 29 W., Kateel River Meridian, approximate elevation 760 feet;

Thence southerly, approximately 5 1/2 miles to the meander corner of sections 10 and 15, T. 30 N., R. 29 W., at the line of mean high tide of Pusigrah Lagoons;

Thence westerly, between sections 10 and 15, approximately 528 feet to the meander corner of sections 10 and 15, T. 30 N., R. 29 W., Kateel River Meridian, at the line of mean high tide of the Chukchi Sea;

Thence northwesterly, along the line of mean high tide of the Chukchi Sea, closing the mouths of all lagoons and creeks to the meander corner between sections 3 and 34, T. 33 N., R. 33 W., Kateel River Meridian, the point of beginning.

60° 09' 40" N., 172° 30' W.;
 60° 11' N., 172° 20' W.;
 60° 15' N., 172° 07' 30" W., said coordinate being approximately S. 46° E., approximately 6 miles from the top of a mountain located near Cape Upright, approximate elevation 1,505 feet;
 60° 20' N., 172° 03' 30" W.;
 60° 25' N., 172° 07' W.;
 60° 40' N., 172° 40' W., said coordinate being approximately N. 58° E., approximately 1 1/2 miles from the top of a mountain in the northern portion of St. Matthew Island, approximate elevation 1,475 feet;
 60° 45' N., 172° 48' W.;
 60° 46' 18" N., 173° 00' W.;
 60° 45' N., 173° 10' W., to the point of beginning.

FRIBILOF SUBUNIT

Fribilof Subunit includes all lands (including submerged lands), waters and interests described in Executive Order No. 1044, dated February 27, 1909, within rhumb lines connecting the following 32 geographic coordinates;

57° 03' 20" N., 170° 28' W.;
 57° 04' 30" N., 170° 27' W.;
 57° 05' 15" N., 170° 25' W.;
 57° 05' 40" N., 170° 23' W.;
 57° 06' N., 170° 21' W.;
 57° 06' 02" N., 170° 19' W.;
 57° 06' 03" N., 170° 18' W.;
 57° 06' 05" N., 170° 17' W.;
 57° 06' 25" N., 170° 15' W.;
 57° 07' 20" N., 170° 10' W.;
 57° 09' 15" N., 170° 05' W.;

57° 11' 16" N., 170° 00' W.;
 57° 12' 16" N., 169° 57' W.;
 57° 12' 40" N., 169° 55' W.;
 57° 12' 40" N., 169° 54' W.;
 57° 12' 20" N., 169° 53' W.;
 57° 11' 30" N., 169° 52' W.;
 57° 10' N., 169° 53' W.;
 57° 09' 25" N., 169° 54' W.;
 57° 09' 12" N., 169° 55' W.;
 57° 08' 30" N., 169° 57' W.;
 57° 08' N., 170° 00' W.;
 57° 06' 40" N., 170° 05' W.;
 57° 05' 15" N., 170° 10' W.;
 57° 03' 30" N., 170° 15' W.;
 57° 02' 40" N., 170° 17' W.;
 57° 02' N., 170° 18' W.;
 57° 01' 45" N., 170° 19' W.;
 57° 01' N., 170° 21' W.;
 57° 00' 40" N., 170° 23' W.;
 57° 00' 40" N., 170° 25' W.;
 57° 01' 40" N., 170° 27' W., to the point of beginning.

Designated capes and headlands:

CAPE YORK

Cape York includes all public lands, as defined by the ANILCA, within the following boundary:

Beginning at the meander corner on the south boundary of section 35, T. 1 N., R. 43 W., on the Kaseel River Base Line, at the line of mean high tide of the Bering Sea;

TUPOK HEAD

Topok Head includes all public lands, as defined by the ANILCA, within the following boundary:

Beginning at the meander corner on the north and south centerline of section 3, T. 11 S., R. 27 W., Kateel River Meridian, at the line of mean high tide of Norton Sound;

Thence northerly, on the north and south centerline of section 3, approximately 1/4 mile to the center-north 1/16 section corner of sections 3, T. 11 S., R. 27 W., Kateel River Meridian;

Thence easterly, on the east and west centerlines of the northeast 1/4 of section 3, the northwest 1/4 and northeast 1/4 of section 2, approximately 1 1/4 miles to the north 1/16 section corner of sections 1 and 2, T. 11 S., R. 27 W., Kateel River Meridian;

Thence southerly, between sections 1 and 2, approximately 1/4 mile to the 1/4 section corner between sections 1 and 2, T. 11 S., R. 27 W., Kateel River Meridian;

Thence easterly, on the east and west centerlines of sections 1 and 6, T. 11 S., Rs. 26 and 27 W., approximately 1 1/4 miles to a point on the left bank of the Topok River, in the central portion of section 6, T. 11 S., R. 26 W., Kateel River Meridian;

Thence southerly, along the left bank of the Topok River, approximately 900 feet to a point at the line of mean high tide of Norton Sound;

Thence southerly, southeasterly, northeasterly, southeasterly and northwesterly, along the line of mean high tide of Norton Sound, to the meander corner on the north and south centerline of section 3, T. 11 S., R. 27 W., Kateel River Meridian, the place of beginning.

BLUFF

Bluff includes all public lands, as defined by the ANILCA, within the following boundary:

Beginning at the meander corner between sections 6 and 31, Tps. 10 and 11 S., R. 25 W., Kateel River Meridian, at the line of mean high tide of Norton Sound;

Thence easterly, between Tps. 10 and 11 S., approximately 11 3/4 miles to the corner of Tps. 10 and 11 S., Rs. 23 and 24 W., Kateel River Meridian;

Thence southerly, between Rs. 23 and 24 W., approximately 4 1/4 miles to the meander corner between sections 25 and 30, T. 11 S., Rs. 23 and 24 W., Kateel River Meridian, at the line of mean high tide of Norton Sound;

Thence easterly, on the Kateel River Base Line, approximately 3 miles to the north and south centerline of section 2, T. 1 S., R. 43 W., Kateel River Meridian;

Thence southerly, approximately 2 miles to the 1/4 section corner of section 11, T. 1 S., R. 43 W., Kateel River Meridian, at the line of mean high tide of the Bering Sea;

Thence northwesterly, along the line of mean high tide of the Bering Sea, closing the mouths of all rivers, creeks and inlets, approximately 3 miles to the meander corner on the south boundary of section 35, T. 1 S., R. 43 W., Kateel River Base Line, at the line of mean high tide of the Bering Sea, the point of beginning.

KOTZEBUE CREEK

Kotzebue Creek includes all public lands, as defined by the ANILCA, within the following boundary:

Beginning at the meander corner of the north and south centerline of section 16, T. 1 S., R. 42 W., Kateel River Meridian, at the line of mean high tide of Bering Sea;

Thence northerly, along the line of mean high tide of the Bering Sea approximately 2 1/5 miles, to a point due South of a hill located in the northwest portion of section 16, T. 1 S., R. 42 W., Kateel River Meridian, approximate elevation 653 feet;

Thence due North, approximately 1/4 mile to the summit of the hill, approximate elevation 653 feet;

Thence on an approximate forward bearing of N. 74° 15' E., approximately 1 2/5 miles to a point on the north and south centerline of section 10, T. 1 S., R. 42 W., Kateel River Meridian;

Thence on an approximate forward bearing of S. 84° 15' E., approximately 1 3/5 miles to the head of an unnamed creek in the southwest portion of section 12, T. 1 S., R. 42 W., Kateel River Meridian;

Thence due South, approximately 7/10 mile to the top of a hill in the southwest portion of section 13, T. 1 S., R. 42 W., Kateel River Meridian, approximate elevation 443 feet;

Thence due South, to a point at the line of mean high tide of the Bering Sea in section 13, T. 1 S., R. 42 W., Kateel River Meridian;

Thence westerly, southeasterly and northwesterly, along the line of mean high tide of the Bering Sea closing the mouth of Kotzebue Creek, approximately 2 1/2 miles to the meander corner of the north and south centerline of section 16, T. 1 S., R. 42 W., Kateel River Meridian, the point of beginning.

Thence southerly, between sections 34 and 35, approximately 3/8 miles to the corner of sections 2, 3, 34 and 35, Tps 22 and 23 S., R. 19 W., Kateel River Meridian;

Thence westerly, between Tps. 22 and 23 S., approximately 3/16 miles to the meander corner of sections 3 and 34, between Tps. 22 and 23 S., R. 19 W., Kateel River Meridian, at the time of mean high tide of Norton Sound and Stephens Pass;

Thence northwesterly and southeasterly, along the line of mean high tide of Norton Sound and Stephens Pass, to the meander corner between sections 34 and 35, T. 22 S., R. 19 W., Kateel River Meridian, the point of beginning.

And, all public lands, as defined by the ANILCA, on Hagemeister Island, Fairway Rock, Sledge Island, Besboro Island, Punt Islands, Egg Island, King Island and on all other named and unnamed islands, islets, rocks, reefs and spires in the Bering Sea. It is the intent of this description to include all such public lands occurring within all arms, bays, bights, coves, entrances, gulfs, harbors, inlets, lagoons, passages, passes, ports, sounds and straits, but not to include lands inland of the mouths of rivers or lakes on the mainland of Alaska or such offshore public lands within the Bering Land Bridge National Preserve.

Section 303 (1):

ALEUTIAN ISLANDS UNIT--"including the existing Aleutian Islands and Bogoslof National Wildlife Refuges, and all other public lands in the Aleutian Islands;"

The Aleutian Islands Unit includes the following described lands:

Designated subunits:

ALEUTIAN ISLAND SUBUNIT

Aleutian Islands Subunit includes all lands (including submerged lands), waters and interests described in Executive Order No. 1733, dated March 3, 1913, within rhumb lines connecting the following geographic coordinates:

Thence northwesterly, along the line of mean high tide of Norton Sound to the meander corner between sections 6 and 31, Tps. 10 and 11 S., R. 25 W., Kateel River Meridian, the point of beginning.

CAPE DABBY

Cape Dabby includes all public lands, as defined by the ANILCA, within the following boundary:

Beginning at the meander corner between sections 3 and 35, Tps. 12 and 13 S., R. 21 W., Kateel River Meridian, at the line of mean high tide of Norton Sound and Colovnin Bay;

Thence easterly, on the Third Standard Parallel South, approximately 4 miles to a point on the south boundary of section 33, T. 12 S., R. 20 W., Kateel River Meridian, said point being a point in common with the Norton Bay Indian Reservation;

Thence southerly, approximately 1 1/4 miles to a point at the line of mean high tide of Norton Sound, said point being a point common with the southwest boundary of Norton Bay Indian Reservation;

Thence southeasterly and northerly, along the line of mean high tide of Norton Sound and Colovnin Bay, to the meander corner between sections 3 and 35, Tps. 12 and 13 S., R. 21 W., Kateel River Meridian, the point of beginning.

CAPE DENISCH

Cape Denisch includes all public lands, as defined by the ANILCA, within the following boundary:

Beginning at the meander corner between sections 28 and 29, T. 12 S., R. 14 W., Kateel River Meridian, at the line of mean high tide of Norton Sound;

Thence on an approximate forward bearing of S. 63° E., approximately 1 mile to a point on the line of mean high tide of Norton Sound in the northeast quarter of the southeast quarter of Section 28, T. 12 S., R. 14 W., Kateel River Meridian;

Thence southwesterly, northwesterly and easterly, along the line of mean high tide of Norton Sound, to the meander corner between sections 28 and 29, T. 12 S., R. 14 W., Kateel River Meridian, the point of beginning.

CAPE STEPHENS

Cape Stephens includes all public lands, as defined by the ANILCA, within the following boundary:

Beginning at the meander corner between sections 34 and 35, T. 22 S., R. 19 W., Kateel River Meridian, at the line of mean high tide of Norton Sound and Stephens Pass;

55° 13' 00" N., 165° 00' W., said coordinate being approximately N. 4° 45' W., approximately 41.81 miles from Cape Satchell lighthouse on Eschsch Island (approximate latitude 54° 36' N., longitude 164° 54' W.);

55° 03' 00" N., 166° 00' W., said coordinate being approximately N. 10° 15' W., approximately 63.90 miles from the Akutan Harbor lighthouse on Akutan Island (approximate latitude 54° 09' N., longitude 165° 57' W.);

54° 50' 30" N., 167° 00' W., said coordinate being approximately N. 21° 45' W., approximately 67.06 miles from the Dutch Harbor lighthouse on Adak Island (approximate latitude 53° 54' N., longitude 166° 31' W.);

54° 35' 00" N., 168° 00' W.;

54° 14' 00" N., 169° 00' W.;

54° 00' N., 170° 00' W., said coordinate being approximately N. 25° W., approximately 81.27 miles from the summit of Mt. Vsevidof on Unimak Island (approximate latitude 53° 07' 30" N., longitude 168° 41' 30" W., elevation 6,600 feet);

53° 53' 00" N., 171° 00' W.;

53° 42' 00" N., 172° 00' W., said coordinate being approximately N. 10° 50' E., approximately 97.83 miles from the top of Pyre Peak on Segum Island (approximate latitude 52° 18' 45" N., longitude 172° 30' 30" W., elevation 3,458 feet);

53° 32' 00" N., 173° 00' W.;

53° 21' 00" N., 173° 42' 00" W.;

53° 12' 00" N., 174° 00' W.;

53° 08' 00" N., 174° 18' 00" W.;

53° 02' 30" N., 175° 00' W.;

52° 58' 00" N., 175° 30' 00" W.;

52° 54' 30" N., 176° 00' W.;

52° 51' 00" N., 176° 36' W.;

52° 52' 00" N., 177° 00' W., said coordinate being approximately N. 7° 30' W., approximately 65.48 miles from the summit of Mt. Moffatt on Adak Island (approximate latitude 51° 51' 03" N., longitude 177° 45' W., elevation 3,924 feet);

52° 54' 00" N., 178° 00' W.;

52° 56' 00" N., 178° 42' 00" W.;

52° 55' 50" N., 179° 00' W., said coordinate being approximately N. 21° 10' W., approximately 79.68 miles from the summit of Mt. Garoloi on Garoloi Island (approximate latitude 51° 47' 21" N., longitude 178° 47' 30" W., elevation 5,160 feet);

52° 55' 00" N., 179° 30' 00" W.;

52° 56' 00" N., 180° 00' W.;

52° 58' 00" N., 179° 30' 00" E.;

53° 01' 00" N., 179° 00' E., said coordinate being approximately N. 23° 50' W., approximately 75.74 miles from the top of Avril Peak on Semisopochnoi Island (approximate latitude 51° 59' 15" N., longitude 179° 36' 30" E., elevation 4,007 feet);

53° 04' 30" N., 178° 00' E.;

53° 05' 30" N., 177° 36' E.;

53° 13' 00" N., 177° 00' E.;

53° 21' 00" N., 176° 18' 30" E.;

53° 24' 00" N., 176° 00' E., said coordinate being approximately N. 01° 20' E., approximately 72.58 miles from Vertical Control Station 2152 on Buldir Island (approximate latitude 52° 21' N., longitude 175° 55' E.);

53° 25' 00" N., 175° 12' 00" E.;

53° 25' 00" N., 175° 00' E.;

53° 27' 00" N., 174° 30' 00" E.;

53° 30' 00" N., 174° 00' E.;

53° 30' 30" N., 173° 42' 00" E.;

53° 30' 00" N., 173° 30' 00" E.;

53° 26' 00" N., 173° 00' E., said coordinate being approximately N. 29° 45' E., approximately 41.02 miles from Vertical Control Station 2217 on Atua Island (approximate latitude 52° 55' 30" N., longitude 172° 31' 30" E.);

53° 19' 00" N., 172° 24' E.;

53° 06' 00" N., 172° 00' E.;

52° 55' 00" N., 171° 48' 00" E., said coordinate being West, approximately 29.98 miles from Vertical Control Station 2217 on Atua Island (approximate latitude 52° 55' 30" N., longitude 172° 31' 30" E.);

- 52° 35' 00" N., 171° 42' 00" E.;
- 52° 12' 00" N., 171° 42' 00" E., said coordinate being approximately S. 36° W., approximately 76.53 miles from Vertical Control Station 2217 on Atm Island (approximate latitude 52° 55' 30" N., longitude 172° 31' 30" E.);
- 52° 00' N., 171° 48' 00" E.;
- 51° 50' 00" N., 172° 00' E.;
- 51° 40' 00" N., 172° 24' 00" E.;
- 51° 29' 00" N., 173° 00' E.;
- 51° 20' 00" N., 174° 00' E.;
- 51° 10' 00" N., 175° 00' E.;
- 51° 00' N., 175° 41' 00" E., said coordinate being approximately S. 04° 35' W., approximately 93.89 miles from Vertical Control Station 2152 on Buldir Island (approximate latitude 52° 21' N., longitude 175° 55' E.);
- 50° 54' 00" N., 176° 00' E.;
- 50° 47' 00" N., 176° 36' 00" E.;
- 50° 46' 00" N., 177° 00' E.;
- 50° 45' 00" N., 178° 00' E.;
- 50° 41' 00" N., 179° 00' E.;
- 50° 38' 30" N., 179° 30' 00" E.;
- 50° 40' 00" N., 180° 00', said coordinate being approximately S. 24° 50' E., approximately 86.79 miles from the top of Sugarloaf Peak on Semisopochnoi Island (approximate latitude 51° 53' 39" N., longitude 179° 38' 14" E., elevation 2,800 feet);
- 50° 40' 00" N., 179° 00' W.;
- 50° 40' 00" N., 178° 00' W.; said coordinate being approximately S. 30° E., approximately 85.21 miles from the summit of Mt. Careloi on Careloi Island (approximate latitude 51° 47' 21" N., longitude 178° 47' 30" W., elevation 5,160 feet);
- 50° 37' 00" N., 177° 00' W.;
- 50° 36' 00" N., 176° 00' W.;
- 50° 36' 00" N., 175° 34' W.;
- 50° 41' 00" N., 175° 00' W.;
- 50° 55' 00" N., 174° 00' W.;
- 51° 10' 00" N., 173° 00' W., said coordinate being approximately S. 14° W., approximately 82.05 miles from the top of Pine Peak on Segama Island (approximate latitude 52° 18' 45" N., longitude 172° 30' 30" W., elevation 3,458 feet);
- 51° 29' 00" N., 172° 00' W.;
- 51° 45' 00" N., 171° 00' W.;
- 51° 50' 00" N., 170° 00' W.;
- 51° 55' 00" N., 169° 00' W., said coordinate being approximately S. 04° 40' W., approximately 84.42 miles from the summit of Mt. Tsenidof on Unalak Island (approximate latitude 53° 07' 30" N., longitude 168° 41' 30" W., elevation 6,600 feet);
- 52° 05' 00" N., 168° 00' W., said coordinate being approximately S. 12° 20' W., approximately 83.63 miles from the summit of Mt. Tum Tum on Unalak Island (approximate latitude 53° 16' N., longitude 167° 38' 12" W., elevation 1,960 feet);
- 52° 09' 00" N., 167° 00' W.;
- 52° 28' 00" N., 166° 00' W.;
- 52° 44' 00" N., 165° 18' 00" W.;
- 52° 54' 00" N., 165° 00' W., said coordinate being approximately S. 01° 30' E., approximately 81.26 miles from Horizontal Control Station Bridge on Tigalda Island (approximate latitude 54° 03' 54" N., longitude 165° 02' 24" W.);
- 53° 09' 00" N., 164° 36' 00" W.;
- 53° 25' 00" N., 164° 00' W.;
- 53° 51' 00" N., 163° 00' W., said coordinate being approximately S. 64° E., approximately 80.47 miles from the Scotch Cap lighthouse on Unalak Island (approximate latitude 54° 23' 39" N., longitude 164° 45' W.);
- 54° 00' N., 162° 18' 00" W.;
- 54° 15' 00" N., 162° 09' 00" W.;
- 54° 17' 30" N., 162° 08' 23" W.;
- 54° 20' 00" N., 162° 09' 00" W.;

54° 56' 00" N., 163° 22' 30" W., said coordinate being approximately N. 88° 30' W., approximately 2.56 miles from Traders Mountain on the Alaska Peninsula (approximate latitude 54° 56' N., longitude 163° 19' W., elevation 1,845 feet);

55° 02' 40" N., 163° 26' 30" W.;

55° 04' 30" N., 163° 30' 00" W.;

55° 12' 00" N., 163° 45' 00" W.;

55° 15' 40" N., 164° 00' 00" W.;

55° 15' 00" N., 164° 30' 00" W., thence to the beginning coordinate.

ALEUTIAN ISLANDS SUBUNIT (AMAK SEGMENT)

Aleutian Islands Subunit (Amak Segment) includes all lands (including submerged lands), waters and interests described in Executive Order No. 5318, dated April 7, 1930, within rhumb lines connecting the following 14 geographic coordinates;

55° 27' N., 163° 13' 30" W., said coordinate being approximately S. 41° W., approximately 1 2/5 miles from a lighthouse on Sealion Rock;

55° 29' N., 163° 13' W.;

55° 29' 50" N., 163° 11' W.;

55° 29' 40" N., 163° 10' W.;

55° 29' 10" N., 163° 08' W.;

55° 28' 10" N., 163° 06' W.;

55° 26' 45" N., 163° 05' W.;

55° 25' N., 163° 04' W., said coordinate being approximately S. 78° E., approximately 2 2/5 miles from Horizontal Control Station Amak;

55° 24' N., 163° 05' W.;

55° 23' 30" N., 163° 06' W.;

55° 23' 10" N., 163° 08' W.;

55° 23' 30" N., 163° 10' W., said coordinate being approximately S. 33° W., approximately 1 mile from Horizontal Control Station Badger;

55° 24' 20" N., 163° 12' W.;

55° 25' N., 163° 13' W., to the point of beginning.

54° 25' 00" N., 162° 12' 00" W.;

54° 30' 00" N., 162° 20' 30" W.;

54° 33' 30" N., 162° 30' 00" W., said coordinate being approximately N. 51° 30' W., approximately 11.04 miles from the top of Sanak Peak on Sanak Island (approximate latitude 54° 27' 51" N., longitude 162° 45' W., elevation 1,740 feet);

54° 37' 00" N., 162° 45' 00" W.;

54° 42' 00" N., 163° 00' 00" W., said coordinate being approximately N. 45° E., approximately 3.15 miles from the summit of an unnamed mountain on Unalak Island (approximate latitude 54° 40' 12" N., longitude 163° 03' 12" W., elevation 1,243 feet);

54° 45' 00" N., 163° 05' 00" W., said coordinate being approximately N. 34° 25' E., approximately 3.15 miles from the summit of an unnamed mountain on Unalak Island (approximate latitude 54° 42' 48" N., longitude 163° 07' 12" W., elevation 1,600 feet);

54° 47' 48" N., 163° 12' 00" W., said coordinate being N. 18° W., approximately 1.77 miles from the top of an unnamed hill on Unalak Island (approximate latitude 54° 46' 15" N., longitude 163° 12' W., elevation 458 feet);

54° 47' 48" N., 163° 21' 00" W., said coordinate being approximately S. 22° 30' W., approximately 2.36 miles from the top of Sentinel Peak on the Alaska Peninsula (approximate latitude 54° 49' 30" N., longitude 163° 19' 48" W., elevation 2,020 feet);

54° 49' 00" N., 163° 22' 00" W., said coordinate being approximately S. 67° W., approximately 1.57 miles from the top of Sentinel Peak on the Alaska Peninsula (approximate latitude 54° 49' 30" N., longitude 163° 19' 48" W., elevation 2,020 feet);

54° 49' 30" N., 163° 22' 00" W., said coordinate being West, approximately 1.38 miles from the top of Sentinel Peak on the Alaska Peninsula (approximate latitude 54° 49' 30" N., longitude 163° 19' 48" W., elevation 2,020 feet);

54° 51' 35" N., 163° 24' 00" W., said coordinate being approximately N. 79° W., approximately 1.77 miles from an unnamed mountain near Nichols Point on the Alaska Peninsula (approximate latitude 54° 51' 15" N., longitude 163° 21' 24" W., elevation 1,550 feet);

54° 53' 00" N., 163° 21' 40" W., said coordinate being approximately N. 09° W., approximately 1.97 miles from an unnamed mountain near Nichols Point, on the Alaska Peninsula (approximate latitude 54° 51' 15" N., longitude 163° 21' 24" W., elevation 1,550 feet);

BOGOSLOF SUBUNIT

Bogoslof Subunit includes all lands (including submerged lands), waters and interests described in Executive Order No. 1049, dated March 2, 1909, lying within a radius of 7 miles from Vertical Control Station 143, located at approximate latitude 53° 50' 42" N., longitude 168° 02' 00" W.

And, all other public lands, as defined by the ANILCA, in the Aleutian Islands.

Section 303 (1):

ALASKA PENINSULA UNIT--"including the existing Simeonof and Semidi National Wildlife Refuges, the Shumagin Islands, Survik Island, the islands and headlands of Puale Bay, and all other public lands on islands, islets, rocks, reefs, spires and designated capes and headlands south of the Alaska Peninsula from Katmai National Park to False Pass including such offshore lands incorporated in this unit under section 1427."

The Alaska Peninsula Unit includes the following described lands:

Designated subunits:

SEMIDI SUBUNIT

Semidi Subunit includes all lands (including submerged lands), waters and interests described in Executive Order No. 5858, dated June 17, 1932, between latitudes 55° 51' N. and 56° 15' N., and longitudes 156° 30' W. and 157° 00' W.

SIMEONOF SUBUNIT

Simeonof Subunit, located in the Shumagin Island Group, at approximate latitude 54° 53' N., longitude 159° 15' W., includes all lands (including submerged lands), waters and interests described in Public Land Order 1749, dated October 30, 1958, as all of Simeonof Island and its tidelands, together with all adjacent areas of water extending one mile beyond mean low water, and including any islands within said one-mile area.

Designated capes and headlands:

SEAL CAPE

Seal Cape includes all public lands, as defined by the ANILCA, within the following boundary:

Beginning at the meander corner of sections 7 and 18, T. 48 S., R. 59 W., Seward Meridian, at the line of mean high tide of Kniukta Bay and Sweater Bay;

Thence on an approximate forward bearing of N. 71° W., approximately 1 1/5 miles to the most southerly point of land in section 12, T. 48 S., R. 60 W., Seward Meridian, at the line of mean high tide of Sweater Bay;

Thence northeasterly, along the line of mean high tide of Sweater Bay, approximately 5 miles to the meander corner of sections 33 and 34, T. 47 S., R. 59 W., Seward Meridian;

Thence northerly, between sections 33 and 34, 27 and 28, approximately 3/4 mile to the 1/2 section corner of sections 27 and 28, T. 47 S., R. 59 W., Seward Meridian;

Thence easterly, on the east and west centerline of section 27, approximately 1 mile to the special meander corner of section 27, T. 47 S., R. 59 W., Seward Meridian, at the line of mean high tide of Devils Bay;

Thence on an approximate forward bearing of S. 75° E., approximately 6,400 feet, to the most westerly point of land in section 36, T. 47 S., R. 59 W., Seward Meridian, at the line of mean high tide of Devils Bay;

Thence southeasterly, along the line of mean high tide of Devils Bay approximately 1 1/4 miles to the most southerly point of land in section 31, T. 47 S., R. 58 W., Seward Meridian, at the line of mean high tide of the Pacific Ocean;

Thence on an approximate forward bearing of S. 14° W., approximately 1 3/10 miles to the most easterly point of land in section 7, T. 48 S., R. 58 W., Seward Meridian, at the line of mean high tide of the Pacific Ocean;

Thence southeasterly, southeasterly, southeasterly, southeasterly, southeasterly and westerly, along the line of mean high tide of the Pacific Ocean, approximately 4 1/2 miles to the most southeasterly portion of section 25, T. 48 S., R. 59 W., Seward Meridian, at the line of mean high tide of Seal Bay;

Thence on an approximate forward bearing of S. 69° 30' W approximately 2 3/4 miles to the most southern point of land point in the east 1/2 of section 33, T. 48 S., R. 59 W., Seward Meridian, at the line of mean high tide of the Pacific Ocean and Seal Bay;

Thence northwesterly, southwesterly and northwesterly, approximately 5 miles to the meander corner of sections 7 and 18, T. 48 S., R. 59 W., Seward Meridian, at the line of mean high tide of Kniukta Bay and Sweater Bay, the place of beginning.

NOTE: The headlands in Pualie Bay (North Point, Cape Akiek and at Vertical Bench Mark Oil Triangle) are also included in the Becharof National Wildlife Refuge, and have been described within the exterior boundary of that refuge.

And, all public lands, as defined by the ANILCA, on the Shumagin Islands, Setvik Island and on all other named and unnamed islands, islets, rocks, reefs and spires south of the Alaska Peninsula. It is the intent of this description to include all such public lands occurring within all arms, bays, bights, coves, entrances, gulfs, harbors, inlets, lagoons, passages, passes, ports, sounds and straits, but not to include lands inland of the mouths of rivers or lakes on the mainland of Alaska.

Section 303 (1):

GULF OF ALASKA UNIT--"Including the existing Forrester Island, Hazy Islands, Saint Lazarus and Tuxedni National Wildlife Refuges, the Barren Islands, Latak Rocks, Harbor Island, Eye and Chiswell Islands, Ragged, Netos, Chat, Chavel, Granite and Middleton Islands, the Trinity Islands, all named and unnamed islands, islets, rocks, reefs, spires, and whatever submerged lands, if any, were retained in Federal ownership at the time of statehood surrounding Kodiak and Afognak Islands and all other such public lands on islands, islets, rocks, reefs, spires and designated capes and headlands within the Gulf of Alaska, but excluding such lands within existing units of the National Park System, Moku Island and lands within the National Forest System except as provided in section 1427 of this Act."

The Gulf of Alaska Unit includes the following described lands:

Designated subunits:

FORRESTER ISLAND SUBUNIT

Forrester Island Subunit includes all lands (including submerged lands) waters and interests described in Executive Order No. 1458, dated January 11, 1912, spires within: (a) North Segment--the rhumb lines connecting the following 6 geographic coordinates;

55° 02' 00" N., 133° 30' 00" W.;
55° 01' 45" N., 133° 31' 00" W.;
55° 00' 50" N., 133° 30' 30" W.;
55° 00' 15" N., 133° 29' 00" W.;
55° 00' 25" N., 133° 28' 00" W.;
55° 01' 30" N., 133° 28' 30" W., to the point of beginning; and,

(b) South Segment--the rhumb lines connecting the following 15 geographic coordinates:

54° 51' 30" N., 133° 35' 00" W., said coordinate being approximately N. 46° W., approximately 2 miles from Horizontal Control Station North located on Cape Horn Rocks;

54° 50' 00" N., 133° 35' 25" W.;

54° 48' 00" N., 133° 34' 36" W., said coordinate being approximately N. 84° 30' W., approximately 2 miles from the top located near the center of Forrester Island, approximate elevation 1,340 feet;

54° 46' 00" N., 133° 33' 23" W., said coordinate being approximately S. 89° W., approximately 1 3/10 miles from the top of a hill in the southern portion of Forrester Island, approximate elevation 270 feet;

54° 45' 00" N., 133° 32' 26" W., said coordinate being approximately 1 3/10 miles from the Horizontal Control Station South, located on a group of rocks off the southern shore of Forrester Island;

54° 44' 00" N., 133° 30' 00" W.;

54° 44' 09" N., 133° 29' 09" W.;

54° 45' 00" N., 133° 28' 35" W., said coordinate being approximately S. 80° E., approximately 1 1/5 miles from Horizontal Control Station Petrel, located in the southern portion of Petrel Island;

54° 47' 13" N., 133° 29' 17" W.;

54° 50' 00" N., 133° 29' 17" W., said coordinate being approximately S.

81° E., approximately 1 7/10 miles from Horizontal Control Station Forrester, located in the northern portion of Forrester Island;

54° 52' 00" N., 133° 30' 00" W., said coordinate being approximately N. 66° E., approximately 1 2/5 miles from the most eastern point of Laurie Island;

54° 33' 00" N., 133° 31' 00" W.;
 54° 53' 39" N., 133° 32' 00" W.;
 54° 53' 39" N., 133° 33' 00" W.;
 54° 53' 00" N., 133° 34' 20" W., to the point of beginning.

HAZY ISLANDS SUBUNIT

Hazy Islands Subunit includes all lands (including submerged lands), waters and interests described in Executive Order No. 1459, dated January 11, 1912, within rhumb lines connecting the following 12 geographic coordinates:

55° 53' 30" N., 134° 36' W., said point being approximately N. 84° W., approximately 1 mile from Horizontal Control Station Hazy, located on the most northern island of the Subunit.
 55° 53' 00" N., 134° 37' 50" W., said point being approximately S. 80° 30' W., approximately 1 mile from Horizontal Control Station Big, located on Big Hazy Inlet;

55° 52' 00" N., 134° 36' 50" W.;

55° 51' 20" N., 134° 35' 25" W.;

55° 51' 20" N., 134° 34' 35" W.;

55° 51' 40" N., 134° 33' 17" W.; said point being approximately S. 85° E., approximately 1 mile from Horizontal Control Station Reef, located on the most southern island of the Subunit;

55° 52' 10" N., 134° 32' 35" W., said point being approximately N. 89° 30' E., approximately 1 1/10 miles from Horizontal Control Station Dome, located on the most eastern island of the Subunit;

55° 52' 40" N., 134° 32' 52" W.;

55° 53' 10" N., 134° 34' W.;

55° 54' 09" N., 134° 35' W.;

55° 54' 32" N., 134° 36' W.;

55° 54' 00" N., 134° 38' W.;

Thence to the point of beginning.

SAINT LAZARUS SUBUNIT

Saint Lazarus Subunit includes all lands (including submerged lands), waters and interests described in Executive Order No. 1040, dated February 27, 1909, within rhumb lines connecting the following 10 geographic coordinates;

56° 59' 30" N., 135° 43' W.;

56° 59' 20" N., 135° 43' 35" W.;

56° 59' 10" N., 135° 43' 43" W.;

56° 59' 00" N., 135° 43' 35" W.;

56° 58' 50" N., 135° 43' 35" W.;

56° 58' 50" N., 135° 42' 00" W.;

56° 59' 00" N., 139° 41' 30" W.;

56° 59' 10" N., 139° 41' 20" W.;

56° 59' 20" N., 139° 41' 20" W.;

56° 59' 30" N., 135° 42' 00" W.; to the point of beginning.

TUXEDO SUBUNIT

Tuxedo Subunit includes all lands (including submerged lands), waters and interests described in Executive Order No. 1039, dated February 27, 1909, within rhumb lines connecting the following 17 geographic coordinates;

60° 11' 27" N., 152° 44' 42" W., said coordinate being a point dividing Lake Clark National Park and Preserve and said Subunit;

60° 13' 36" N., 152° 44' 42" W.;

60° 13' 30" N., 152° 44' 00" W.;

60° 13' 54" N., 152° 42' 00" W.;

60° 13' 24" N., 152° 39' 06" W.;

60° 12' 30" N., 152° 36' 00" W.;

60° 11' 05" N., 152° 33' 00" W.;

60° 08' 30" N., 152° 30' 00" W.; said coordinate being approximately S. 76° E., approximately 1 3/5 miles from the southeastern shore of Duck Island;

60° 06' 18" N., 152° 29' 30" W.;

60° 05' 12" N., 152° 30' 00" W.;

60° 04' 36" N., 152° 30' 48" W., said coordinate being approximately S. 52° E., approximately 4 3/20 miles from a lighthouse in the southern portion of section 15, T. 1 S., R. 19 W. Seward Meridian;

Thence northerly, along a median line through Marmot Strait to a point located equidistant from Marmot Island, Sealion Rocks and Tonki Cape Peninsula, which point is at approximate latitude 58° 18' 30" N., longitude 151° 52' 45" W.;

Thence easterly, along a median line between Sealion Rocks and Marmot Island to a point located at the intersection of arcs drawn with 3 nautical mile radii from Marmot Island and Sealion Rocks, which point is at approximate latitude 58° 18' 20" N., longitude 151° 45' 00" W.;

Thence northerly and westerly, along a line 3 nautical miles seaward of the salient points around the easterly and northerly shores of Sealion Rocks to a point located at the intersection of arcs drawn with 3 nautical mile radii from Sealion Rocks and Tonki Cape, which point is at approximate latitude 58° 22' 25" N., longitude 151° 53' 15" W.;

Thence northwesterly, along a line 3 nautical miles seaward of the salient points on the northeasterly side of Afognak Island, closing Tonki Bay and Seal Bay to a point located at the intersection of arcs drawn with 3 nautical mile radii from Seal Islands and Sea Otter Island, which point is at approximate latitude 58° 28' 15" N., longitude 152° 11' 30" W.;

Thence northeasterly, northerly and westerly, along a line 3 nautical miles seaward of the salient points around the southerly, easterly and northerly shores of Sea Otter Island to a point located at the intersection of arcs drawn with 3 nautical mile radii from Sea Otter Island and Shuyak Island, which point is at approximate latitude 58° 34' 30" N., longitude 152° 14' 45" W.;

Thence southerly, along a median line between Sea Otter Island and Shuyak Island to a point located equidistant from Sea Otter Island, Shuyak Island and the northernmost of the Seal Islands, which point is at approximate latitude 58° 29' 45" N., longitude 152° 17' 30" W.;

Thence southwesterly and northwesterly, along a median line through Shuyak Strait to the point of beginning.

KARLUK

Karluk includes all water and submerged lands as described in Public Land Order 128, dated June 19, 1943, encompassed in following described boundary:

Beginning at the end of a point of land on the shore of Shelikof Strait on Kodiak Island, said point being about 1½ miles east of Rocky Point, at approximate latitude 57° 39' 40" N., longitude 154° 12' 20" W.;

Thence due North, 3,000 feet from the shoreline at mean low tide;

Thence southwesterly, along a line parallel to and 3,000 feet distant from the shoreline at mean low tide to a point due West of the confluence of the north shore of Sturgeon River with the east shore of Shelikof Strait;

60° 04' 06" N., 152° 32' 00" W.;

60° 04' 24" N., 152° 33' 00" W.;

60° 06' 18" N., 152° 36' 00" W., said coordinate being approximately S. 89° W., approximately 1 1/10 miles from a hill in the west half of section 9, T. 1 S., R. 19 W., Seward Meridian, approximate elevation 609 feet;

60° 08' 30" N., 152° 39' 00" W.;

60° 09' 30" N., 152° 39' 54" W.;

60° 10' 21" N., 152° 40' 54" W., to the point of beginning.

Submerged lands surrounding Kodiak and Afognak Islands, retained at the time of statehood:

AFOGNAK ISLAND

Afognak Island includes all public land, as defined by the ASILCA, on islands, islets, rocks, reefs and spires together with all water and submerged land, described in Proclamation No. 39, dated December 24, 1892, encompassed in the following described boundary:

Beginning at a point located at the intersection of arcs drawn with 3 nautical mile radii from Rocky Island and Green Island, which point is at approximate latitude 58° 32' 15" N., longitude 152° 46' 30" W.;

Thence southwesterly, along a line 3 nautical miles seaward of the salient points on the westerly side of Afognak Island, closing Foul Bay and Paramonof Bay, (using as headlands Black Cape on the north and Cape Paramonof on the south), and closing Malina Bay, to a point located at the intersection of arcs drawn with 3 nautical mile radii from triangulation Station NUN and the most northerly point on Raspberry Island, which point is at approximate latitude 58° 11' 45" N., longitude 153° 18' 45" W.;

Thence southeasterly, along a median line through the main channel of Raspberry Narrows and Afognak Strait to a point located at the intersection of arcs drawn with 3 nautical mile radii from Hog Island and Treeless Island, which point is at approximate latitude 57° 58' 30" N., longitude 152° 36' 35" W.;

Thence northeasterly, along a line 3 nautical miles seaward of the salient points on the southeasterly side of Afognak Island, closing Afognak Bay, Karukof Bay, Duck Bay and Ishut Bay to a point located at the intersection of arcs drawn with 3 mile radii from Marmot Island and Afognak Island south of King Cove, which point is at approximate latitude 58° 09' 00" N., longitude 151° 57' 50" W.;

Nuka Island or that are part of the Katmai National Park and Preserve, Glacier Bay National Park and Preserve and the Chugach and Tongass National Forests (except as provided by Section 1427).

UNITS OF THE NATIONAL WILDERNESS PRESERVATION SYSTEM WITHIN THE ALASKA MARITIME NATIONAL WILDLIFE REFUGE:

Wilderness areas established by P.L. 96-487, December 2, 1980:

Section 702 (1):

"Aleutian Islands Wilderness of approximately one million three hundred thousand acres as generally depicted on a map entitled "Aleutian Islands Wilderness", dated October 1978."

This unit (in 2 segments) is described as follows:

ALEUTIAN ISLANDS SEGMENT

The Aleutian Islands Wilderness (Aleutian Islands Segment) includes all described in Executive Order No. 1733, dated March 3, 1913, above the mean high tide on islands, islets, rocks, reefs, and spires within rhumb lines connecting the following 97 geographic coordinates;

55° 13' 00" N., 165° 00' W., said coordinate being approximately N. 4° 45' W., approximately 41.81 miles from Cape Sarichef lighthouse on Unimak Island (approximate latitude 54° 36' N., longitude 164° 54' W.);

55° 03' 00" N., 166° 00' W., said coordinate being approximately N. 10° 15' W., approximately 63.90 miles from the Akutan Harbor lighthouse on Akutan Island (approximate latitude 54° 09' N., longitude 165° 57' W.);

54° 50' 30" N., 167° 00' W., said coordinate being approximately N. 21° 45' W., approximately 67.06 miles from the Dutch Harbor lighthouse on Adak Island (approximate latitude 53° 54' N., longitude 166° 31' W.);

54° 35' 00" N., 168° 00' W.;

54° 14' 00" N., 169° 00' W.;

54° 00' N., 170° 00' W., said coordinate being approximately N. 45° 25' W., approximately 81.27 miles from the summit of Mt. Vesidof on Unimak Island (approximate latitude 53° 07' 30" N., longitude 168° 41' 30" W., elevation 6,500 feet);

Thence due East, 3,000 feet to the confluence of the north shore of Sturgeon River with the east shore of Shelikof Strait at mean high tide;

Thence northeasterly, following the easterly shore of Shelikof Strait along the line of mean high tide to the place of beginning.

WOMENS BAY

Womens Bay includes all water and submerged lands, described in Public Land Order 1182, dated July 7, 1955, encompassed in the following described boundary:

Beginning at point 9 of the perimeter survey of U.S. Survey No. 2539, which point is at the intersection of mean high tide on the south side of Middle Bay with the upland of Kodiak Island;

Thence N. 40° 36' E., 198.64 chains, to point 10 of U.S. Survey No. 2539;

Thence North, 184.55 chains, to point 11 of U.S. Survey No. 2539;

Thence N. 5° 05' 30" W., 259.70 chains, to point 12, of U.S. Survey No. 2539, which is the intersection of the mean high tide on the northerly side of Chiniak Bay with the upland of Kodiak Island;

Thence southeasterly northwesterly, northeasterly, southerly, southeasterly, along the line of mean high tide of Chiniak Bay, Womens Bay and Middle Bay to the point of beginning.

And, all other such public lands, as defined by the ANILCA, on the

Barren Islands, Latex Rocks, Harbor Island, Pys and Chiswell Islands,

Ragged, Matos, Chat, Chevel, Granite and Middleton Islands, the Trinity

Islands and all other named and unnamed islands, islets, rocks, reefs

and spires in the Gulf of Alaska. It is the intent of this description

to include all such public lands occurring within all arms, bays, bights,

coves, entrances, gulfs, harbors, inlets, lagoons, passages, passes,

ports, sounds and straits, but not to include lands inland of the mouths

of rivers or lakes on the mainland of Alaska or such public lands on

53° 53' 00" N., 171° 00' W.;

53° 42' 00" N., 172° 00' W., said coordinate being approximately N. 10° 50' E., approximately 97.83 miles from the top of Pyre Peak on Segam Island (approximate latitude 52° 18' 45" N., longitude 172° 30' 30" W., elevation 3,458 feet);

53° 32' 00" N., 173° 00' W.;

53° 21' 00" N., 173° 42' 00" W.;

53° 12' 00" N., 174° 00' W.;

53° 08' 00" N., 174° 18' 00" W.;

53° 02' 30" N., 175° 00' W.;

52° 58' 00" N., 175° 30' 00" W.;

52° 54' 30" N., 176° 00' W.;

52° 51' 00" N., 176° 36' W.;

52° 52' 00" N., 177° 00' W., said coordinate being approximately N. 7° 30' W., approximately 65.48 miles from the summit of Mt. Moffett on Adak Island (approximate latitude 51° 51' 03" N., longitude 177° 45' W., elevation 3,924 feet);

52° 54' 00" N., 178° 00' W.;

52° 56' 00" N., 178° 42' 00" W.;

52° 55' 50" N., 179° 00' W., said coordinate being approximately N. 21° 10' W., approximately 79.68 miles from the summit of Mt. Gareloi on Gareloi Island (approximate latitude 51° 47' 21" N., longitude 178° 47' 30" W., elevation 5,160 feet);

52° 55' 00" N., 179° 30' 00" W.;

52° 56' 00" N., 180° 00' W.;

52° 58' 00" N., 179° 30' 00" E.;

53° 01' 00" N., 179° 00' E., said coordinate being approximately N. 23° 50' W., approximately 75.74 miles from the top of Anvil Peak on Semisopochnoi Island (approximate latitude 51° 59' 15" N., longitude 179° 36' 30" E., elevation 4,007 feet);

53° 04' 30" N., 178° 00' E.;

53° 05' 30" N., 177° 36' E.;

53° 13' 00" N., 177° 00' E.;

53° 21' 00" N., 176° 18' 30" E.;

53° 24' 00" N., 176° 00' E., said coordinate being approximately N. 01° 20' E., approximately 72.58 miles from Vertical Control Station 22152 on Buldir Island (approximate latitude 52° 21' N., longitude 175° 55' E.);

53° 25' 00" N., 175° 12' 00" E.;

53° 25' 00" N., 175° 00' E.;

53° 27' 00" N., 174° 30' 00" E.;

53° 30' 00" N., 174° 00' E.;

53° 30' 30" N., 173° 42' 00" E.;

53° 30' 00" N., 173° 30' 00" E.;

53° 26' 00" N., 173° 00' E., said coordinate being approximately N. 29° 45' E., approximately 41.02 miles from Vertical Control Station 2217 on Attu Island (approximate latitude 52° 55' 30" N., longitude 172° 31' 30" E.);

53° 19' 00" N., 172° 24' E.;

53° 06' 00" N., 172° 00' E.;

52° 55' 00" N., 171° 48' 00" E., said coordinate being West, approximately 29.98 miles from Vertical Control Station 2217 on Attu Island (approximate latitude 52° 55' 30" N., longitude 172° 31' 30" E.);

52° 35' 00" N., 171° 42' 00" E.;

52° 12' 00" N., 171° 42' 00" E., said coordinate being approximately S. 36° W., approximately 76.53 miles from Vertical Control Station 2217 on Attu Island (approximate latitude 52° 55' 30" N., longitude 172° 31' 30" E.);

52° 00' N., 171° 48' 00" E.;

51° 50' 00" N., 172° 00' E.;

51° 40' 00" N., 172° 24' 00" E.;

- 51° 29' 00" N., 172° 00' W.;
- 51° 45' 00" N., 171° 00' W.;
- 51° 50' 00" N., 170° 00' W.;
- 51° 55' 00" N., 169° 00' W., said coordinate being approximately S. 04° 40' W., approximately 84.42 miles from the summit of Mt. Vesicidof on Unak Island (approximate latitude 53° 07' 30" N., longitude 168° 41' 30" W., elevation 6,800 feet);
- 52° 05' 00" N., 168° 00' W., said coordinate being approximately S. 12° 20' W., approximately 83.63 miles from the summit of Mt. Tum on Unalaska Island (approximate latitude 53° 16' N., longitude 167° 38' 12" W., elevation 1,960 feet);
- 52° 09' 00" N., 167° 00' W.;
- 52° 28' 00" N., 166° 00' W.;
- 52° 44' 00" N., 165° 18' 00" W.;
- 52° 54' 00" N., 165° 00' W., said coordinate being approximately S. 01° 30' E., approximately 81.26 miles from Horizontal Control Station Bridge on Tigalda Island (approximate latitude 54° 03' 54" N., longitude 165° 02' 24" W.);
- 53° 09' 00" N., 164° 36' 00" W.;
- 53° 25' 00" N., 164° 00' W.;
- 53° 51' 00" N., 163° 00' W., said coordinate being approximately S. 64° E., approximately 80.47 miles from the Scotch Cap lighthouse on Unimak Island (approximate latitude 54° 23' 39" N., longitude 164° 45' W.);
- 54° 00' N., 162° 18' 00" W.;
- 54° 15' 00" N., 162° 09' 00" W.;
- 54° 17' 30" N., 162° 08' 23" W.;
- 54° 20' 00" N., 162° 09' 00" W.;
- 54° 25' 00" N., 162° 12' 00" W.;
- 54° 30' 00" N., 162° 20' 30" W.;
- 54° 33' 30" N., 162° 30' 00" W., said coordinate being approximately N. 51° 30' E., approximately 11.04 miles from the top of Sanak Peak on Sanak Island (approximate latitude 54° 27' 51" N., longitude 162° 45' W., elevation 1,740 feet);
- 51° 29' 00" N., 173° 00' E.;
- 51° 20' 00" N., 174° 00' E.;
- 51° 10' 00" N., 175° 00' E.;
- 51° 00' N., 175° 41' 00" E., said coordinate being approximately S. 04° 35' W., approximately 93.89 miles from Vertical Control Station 2152 on Buldir Island (approximate latitude 52° 21' N., longitude 175° 55' E.);
- 50° 54' 00" N., 176° 00' E.;
- 50° 47' 00" N., 176° 36' 00" E.;
- 50° 46' 00" N., 177° 00' E.;
- 50° 45' 00" N., 178° 00' E.;
- 50° 41' 00" N., 179° 00' E.;
- 50° 38' 30" N., 179° 30' 00" E.;
- 50° 40' 00" N., 180° 00' E., said coordinate being approximately S. 24° 50' E., approximately 86.79 miles from the top of Sogariouf Peak on Semisopochnoi Island (approximate latitude 51° 53' 39" N., longitude 179° 38' 14" E., elevation 2,800 feet);
- 50° 40' 00" N., 179° 00' W.;
- 50° 40' 00" N., 178° 00' W., said coordinate being approximately S. 30° E., approximately 85.21 miles from the summit of Mt. Garelol on Garelol Island (approximate latitude 51° 47' 21" N., longitude 178° 47' 30" W., elevation 5,160 feet);
- 50° 37' 00" N., 177° 00' W.;
- 50° 36' 00" N., 176° 00' W.;
- 50° 36' 00" N., 175° 34' W.;
- 50° 41' 00" N., 175° 00' W.;
- 50° 55' 00" N., 174° 00' W.;
- 51° 10' 00" N., 173° 00' W., said coordinate being approximately S. 14° W., approximately 82.05 miles from the top of Pine Peak on Seguen Island (approximate latitude 52° 18' 45" N., longitude 172° 30' 30" W., elevation 3,458 feet);

54° 37' 00" N., 162° 45' 00" W.;

54° 42' 00" N., 163° 00' 00" W., said coordinate being approximately N. 45° E., approximately 3.15 miles from the summit of an unnamed mountain on Unimak Island (approximate latitude 54° 40' 12" N., longitude 163° 03' 12" W., elevation 1,243 feet);

54° 45' 00" N., 163° 05' 00" W., said coordinate being approximately N. 34° 25' E., approximately 3.15 miles from the summit of an unnamed mountain on Unimak Island (approximate latitude 54° 42' 48" N., longitude 163° 07' 12" W., elevation 1,600 feet);

54° 47' 44" N., 163° 12' 00" W., said coordinate being N. 18° W., approximately 1.77 miles from the top of an unnamed hill on Unimak Island (approximate latitude 54° 46' 15" N., longitude 163° 21' W., elevation 458 feet);

54° 47' 44" N., 163° 21' 00" W., said coordinate being approximately S. 22° 30' W., approximately 2.36 miles from the top of Sentinel Peak on the Alaska Peninsula (approximate latitude 54° 49' 30" N., longitude 163° 19' 48" W., elevation 2,020 feet);

54° 49' 00" N., 163° 22' 00" W., said coordinate being approximately S. 67° W., approximately 1.57 miles from the top of Sentinel Peak on the Alaska Peninsula (approximate latitude 54° 49' 30" N., longitude 163° 19' 48" W., elevation 2,020 feet);

54° 49' 30" N., 163° 22' 00" W., said coordinate being West, approximately 1.38 miles from the top of Sentinel Peak on the Alaska Peninsula (approximate latitude 54° 49' 30" N., longitude 163° 19' 48" W., elevation 2,020 feet);

54° 51' 35" N., 163° 24' 00" W., said coordinate being approximately N. 79° W., approximately 1.77 miles from an unnamed mountain near Nichols Point on the Alaska Peninsula (approximate latitude 54° 51' 15" N., longitude 163° 21' 24" W., elevation 1,550 feet);

54° 53' 00" N., 163° 21' 40" W., said coordinate being approximately N. 09° W., approximately 1.97 miles from an unnamed mountain near Nichols Point, on the Alaska Peninsula (approximate latitude 54° 51' 15" N., longitude 163° 21' 24" W., elevation 1,550 feet);

54° 56' 00" N., 163° 22' 30" W., said coordinate being approximately N. 88° 30' W., approximately 2.56 miles from Traders Mountain on the Alaska Peninsula (approximate latitude 54° 56' N., longitude 163° 19' W., elevation 1,645 feet);

55° 02' 40" N., 163° 26' 30" W.;

55° 04' 30" N., 163° 30' 00" W.;

55° 12' 00" N., 163° 45' 00" W.;

55° 15' 40" N., 164° 00' 00" W.;

55° 15' 00" N., 164° 30' 00" W., thence to the beginning coordinate.

The following lands are not included in the Aleutian Islands Wilderness:

Adun Island, the entire island, above the line of mean high tide (approximate latitude 54° 12' N., longitude 165° 30' W.);

Adutan Island, the entire island, above the line of mean high tide (approximate latitude 54° 09' N., longitude 166° 00' W.);

Snazak Island, the entire island, above the line of mean high tide (approximate latitude 54° 25' N., longitude 162° 42' W.);

Tigalda Island, the entire island, above the line of mean high tide (approximate latitude 54° 06' N., longitude 165° 04' W.);

Unimak Island, the entire island, above the line of mean high tide (approximate latitude 53° 12' N., longitude 168° 30' W.);

Unalaska Island, the entire island, above the line of mean high tide (approximate latitude 53° 45' N., longitude 166° 45' W.);

Sedanka Island, the entire island, above the line of mean high tide (approximate latitude 53° 45' N., longitude 166° 14' W.);

Aniak Island, the entire island, above the line of mean high tide (approximate latitude 53° 55' 30" N., longitude 166° 32' W.);

Shemya Island, the entire island, above the line of mean high tide (approximate latitude 52° 43' 40" N., longitude 174° 06' E.);

Attu Island, beginning at a point northeast of Krasni Point at the line of mean high tide, where a stream empties into the Pacific Ocean at approximate latitude 52° 47' 43" N., longitude 173° 08' 50" E.;

Thence upstream in a west-northwest direction, following the right branch to the 250-foot contour level;

Thence northeasterly, northerly and northwesterly, along the 250-foot contour to the intersection of the 250-foot contour and an unnamed stream at approximate latitude 52° 49' 07" N., longitude 173° 09' 12" E.;

Thence upstream in a west and southwest direction, to the 1,000-foot contour at approximate latitude 52° 48' 57" N., longitude 173° 08' 52" E.;

- Thence northwesterly, along the 1,000-foot contour to the termination of the most westerly branch of Kingsfisher Creek at approximately latitude 52° 49' 24" N., longitude 173° 07' 33" E.;
- Thence due North approximately 1,650 feet to the top of Lookout Hill, at approximate latitude 52° 49' 38" N., longitude 173° 07' 33" E.;
- Thence north-northwesterly, approximately about 4,800 feet to the junction of Peaceful River and Angel Creek at approximate latitude 52° 50' 26" N., longitude 173° 07' 55" E.;
- Thence northeasterly, approximately about 5,000 feet to the termination of the first right branch stream of Peaceful River, at approximate latitude 52° 50' 53" N., longitude 173° 09' 02" E.;
- Thence along this branch downstream in an easterly direction, approximately 920 feet to the intersection with the 500-foot contour level;
- Thence along the 500-foot contour easterly, northerly, and northwesterly, around Terrible Mountain, through Zwinge Valley and around Black Mountain to a point which is 200 feet from the Jarvin Pass Road at approximate latitude 52° 53' 18" N., longitude 173° 08' 21" E.;
- Thence parallel to and 200 feet from the centerline of Jarvin Pass Road on the east, the north side of which passes through O'Donnell Valley to Addison Valley which ends in the West Arm of Holtz Bay, to the intersection of the road and Addison Creek, at approximate latitude 52° 55' 18" N., longitude 173° 07' 41" E.;
- Thence down Addison Creek, approximately 400 feet;
- Thence southerly and easterly along a line parallel to and 200 feet from the centerline of the road through O'Donnell Valley and Jarvin Pass to a point which lies about 300 feet from the road entering the World War II storage tunnel, at approximate latitude 52° 53' 11" N.;
- Thence northeasterly, parallel to and 300 feet from the storage tunnel to the first branch of Bassett Creek;
- Thence along this branch downstream into the main Bassett Creek, to a point that lies approximately 400 feet west of the Chichagof Harbor Road at approximate latitude 52° 53' 13" N., longitude 173° 12' 18" E.;
- Thence along a line parallel to and 300 feet from the centerline of Chichagof Harbor Road on the northwest and westerly side, to a point and at the southern boundary of a small unnamed lake, at approximate latitude 52° 56' 14" N., longitude 173° 14' 34" E., which lies approximately 1,700 feet southwest of the Chichagof Point;
- Thence due North, approximately 2,700 feet to a point at the line of mean high tide, on the Bering Sea shoreline, at approximate latitude 52° 56' 39" N., longitude 173° 14' 34" E.;
- Thence easterly and southerly, along the line of mean high tide around Chichagof Point and Chichagof Harbor, and easterly, along Chichagof Beach to a point at the intersection of a stream from Lake Canirco and Chichagof Harbor at approximate latitude 52° 55' 31" N.;
- Thence southerly, along this stream to the north end of Lake Canirco;
- Thence along the northeast and western shoreline of Lake Canirco, the stream entering the southwest corner of the lake;
- Thence along the left bank of this stream, to the north end of Lake Cories;
- Thence along the northwest shoreline of Lake Cories, to a point at the southwest corner of the lake;
- Thence southeast, approximately 200 feet to a point approximately 300 feet from the centerline of the Chichagof Harbor road;
- Thence southwesterly, parallel to an 300 feet from the centerline of the road, to a point where the line intersects the left branch of the stream entering Lake Nicholas, at approximate latitude 52° 53' 30" N., longitude 173° 12' 18" E.;
- Thence southwesterly, approximately 900 feet to a small promontory and benchmark at approximate latitude 52° 53' 07" N., longitude 173° 11' 28" E.;
- Thence due South, approximately 300 feet to the 500-foot contour;
- Thence southeasterly, along the 500-foot contour on the south side of Gilbert Ridge, to and around the old military post at Alexai Point, past Alexai Creek to the intersection of the 500-foot contour and a left branch of a small stream which enters Massacre Bay at Hidalgo Beach;
- Thence downstream in a southeasterly direction, to the intersection of the stream and Massacre Bay at the line of mean high tide, at approximate latitude 52° 49' 53" N.;
- Thence westerly and southerly, along the line of mean high tide of Massacre Bay to Alexai Point;
- Thence northwesterly, northerly and northwesterly, around Alexai Point and along the base of Gilbert Ridge to Massacre Beach;
- Thence southwesterly, along the line of mean high tide of Massacre Beach to and through Navy Cove;
- Thence easterly and westerly, around Leaf Island and the spit connecting said island to the main island;

Amchitka Island

Tract A That land, above mean high tide on Amchitka Island, east of a line beginning at the mouth of a stream which empties into Landslide Cove, Bering Sea, at approximate latitude 51° 34' 20" N., longitude 178° 59' 25" E.;

Thence upstream in a southwesterly direction, to the unnamed lake at the head of the stream;

Thence around the southern shore of said unnamed lake;

Thence due west, to the Infantry Road;

Thence westerly, along said road for approximately 3/4 mile;

Thence southerly, around the eastern shore of the unnamed lake adjacent to the Infantry Road;

Thence downstream along the stream draining the unnamed lake, in a southerly direction, to the intersection of the stream and the Pacific Ocean, at approximate latitude 51° 31' 40" N., longitude 178° 57' 00" E.;

Tract B That land, above mean high tide on Amchitka Island, west of a line beginning at the mouth of the stream which empties into the Bering Sea, at approximate latitude 51° 38' 29" N., longitude 178° 42' 32" E.;

Thence upstream in a southwesterly direction, to the head of that draw;

Thence due south, following the draw of an intermittent stream to its intersection with the Pacific Ocean, at approximate latitude 51° 36' 34" N., longitude 178° 41' 26" E.;

Tract C That land on Amchitka Island lying within a radius of one-half mile from the peak of a hill, approximate elevation 1,160 feet, located at approximate latitude 51° 36' 23" N., longitude 178° 48' 40" E.;

Tract D That land on Amchitka Island within a 100-foot corridor on each side of the Infantry Road which bisects the island and connects above 3 tracts.

Ogishka Island Beginning at a point on the northern coastline, where an unnamed stream empties into the Bering Sea, at approximate latitude 51° 36' 32" N., longitude 178° 39' 35" W.;

Thence upstream in a southeasterly direction, to the drainage ditch draining an abandoned airfield;

Thence southwesterly, approximately 300 feet along the northwest edge of said drainage ditch to its termination;

Thence south-southwesterly, past Barbara Point to Casco Point;

Thence northerly, westerly, southerly, southwesterly and northeasterly, along the line of mean high tide of Casco Point, Casco Beach, and Casco Cove to the point reaching into Casco Cove, which is just south of Casco Point;

Thence south-southwesterly, the line of mean high tide, along to Murder Point which at mean high tide is connected to Leaf Island;

Thence westerly, to the beginning point.

Kiska Island Beginning at an approximate point, latitude 51° 57' 32" N., longitude 177° 31' 30" E., at the line of mean high tide in the southwestern corner of Kiska Harbor;

Thence due south, approximately 950 feet to the 250-foot contour;

Thence westerly and easterly, along the 250-foot contour around the drainage in the southwestern section of Kiska Harbor;

Thence northerly, westerly, easterly and northeasterly, along the 250-foot contour around the drainage system for Trout Lagoon, except where the road arises above this level, when the northern edge of the road is followed;

Thence along the 250-foot contour, to the intersection of this contour and the most southerly branch of the stream draining the northwestern land area of Kiska Harbor, at approximate latitude 51° 59' 12" N., longitude 177° 32' 15" E.;

Thence westerly and northwesterly, along this stream and its right-hand branch to a point at approximate latitude 51° 59' 24" N., longitude 177° 31' 13" E.;

Thence due north, approximately 1,400 feet to a peak, approximate elevation 455 feet;

Thence due east, approximately 4,900 feet to a point on the mean high tide line of Salmon Lagoon, approximately 270 feet south of a stream emptying into the westernmost end of Salmon Lagoon;

Thence southeasterly, easterly, and northeasterly, along the line of mean high tide along the south shoreline of Salmon Lagoon to a point where the waters of Salmon Lagoon and the Pacific Ocean meet, at approximate latitude 51° 59' 52" N., longitude 177° 34' 20" E.;

Thence south, along the line of mean high tide to North Head and around the shoreline of Kiska Harbor to the point of beginning.

Thence due South, approximately 350 feet to the southwestern end of a drainage ditch that parallels the southeastern side of the airfield;

Thence northeasterly, along the southeast edge of the drainage ditch and runway where the drainage ditch terminates, to the most southerly road that serves the eastern portion of the island;

Thence easterly, along the southern edge of this road to its termination, at approximate latitude $51^{\circ} 36' 30''$ N., longitude $178^{\circ} 36' 55''$ W.;

Thence due North, approximately 320 feet to the line of mean high tide on the northern coastline, at approximate latitude $51^{\circ} 36' 32''$ N., longitude $178^{\circ} 36' 55''$ W.;

Thence westerly, along the line of mean high tide, of the coast to the point of beginning.

Tanaga Island Beginning at a point southeast of Cape Amagalik, at the line of mean high tide, at approximate latitude $51^{\circ} 39' 55''$ N., longitude $178^{\circ} 05' 27''$ W.;

Thence due North, approximately 800 feet to a point just north and west of the World War II radar tower;

Thence east-northeasterly, along the northern boundary of the old military road connecting the radar tower area with the abandoned airfield, to the stream draining the northwest side of the runway, at approximate latitude $51^{\circ} 40' 28''$ N., longitude $173^{\circ} 03' 40''$ W.;

Thence upstream in a north-northeasterly direction, to and paralleling the northwest side of the abandoned airfield to a point approximately 500 feet north of the airfield, at approximate latitude $51^{\circ} 41' 36''$ N., longitude $178^{\circ} 02' 27''$ W.;

Thence due South, to a point on Lash Bay at the line of mean high tide, at approximate latitude $51^{\circ} 40' 22''$ N., longitude $178^{\circ} 02' 27''$ W.;

Thence westerly, along the line of mean high tide of the coast to the point of beginning.

Adak Island That part of the island east of the Bay of Islands and north of latitude $51^{\circ} 47' 15''$ N.

Great Sitkin Island Beginning at a point on the shoreline at the bottom of the ridge west of Fox Creek, at approximate latitude $51^{\circ} 59' 53''$ N.;

Thence uphill due West, to the 200-foot contour;

Thence northerly, easterly and southerly, along the 200-foot contour around the Fox Creek drainage;

Thence northerly, easterly and southerly, along on the 200-foot contour around the Little Fox Creek drainage;

Thence southerly, along the base of the bluff facing Sand Bay toward Zaliva Point to a midway point at approximate latitude $51^{\circ} 59' 00''$ N., longitude $176^{\circ} 05' 40''$ W.;

Thence due West, approximately 200 yards to the line of mean high tide, at approximate latitude $51^{\circ} 59' 00''$ N., longitude $176^{\circ} 05' 55''$ W.;

Thence northerly and northwesterly, along the line of mean high tide to the point of beginning.

Umanak Island All lands above mean high tide lying east of longitude $164^{\circ} 50' 00''$ W.

And the following tracts withdrawn for Native selection under the

Alaska Native Claims Settlement Act for the villages of:

Akutan

T. 68 S., Rs. 110 through 113 W.;

T. 69 S., Rs. 110 through 114 W.;

T. 70 S., Rs. 110 through 114 W.;

T. 71 S., Rs. 110 through 114 W.;

T. 72 S., Rs. 110 through 114 W.;

Unalaska

T. 71 S., Rs. 116 through 120 W.;

T. 72 S., Rs. 116 through 120 W.;

T. 73 S., Rs. 116 through 120 W.;

T. 74 S., Rs. 116 through 120 W.;

T. 75 S., Rs. 116 through 120 W.;

Nikolaki

T. 81 S., Rs. 134 through 138 W.;
 T. 82 S., Rs. 134 through 138 W.;
 T. 83 S., Rs. 134 through 138 W.;
 T. 84 S., Rs. 134 through 138 W.;
 T. 85 S., Rs. 134 through 138 W.;
 T. 86 S., Rs. 134 through 139 W.;

Atka

T. 90 S., Rs. 174 through 178 W.;
 T. 91 S., Rs. 174 through 178 W.;
 T. 92 S., Rs. 174 through 178 W.;
 T. 93 S., Rs. 176 through 179 W.;
 T. 94 S., Rs. 176 through 179 W.;

ALUTIAN ISLANDS WILDERNESS (AMAK SEGMENT)

Alutian Islands Wilderness (Amak Segment) includes all lands above the line of mean high tide on islands, inlets, rocks, reefs and spires, described in Executive Order No. 5318, dated April 7, 1930, within rhumb lines connecting the following 14 geographic coordinates:

55° 21' N., 163° 13' 30" W., said coordinate being approximately S. 41° W., approximately 1 2/5 miles from a lighthouse on Sealion Rock;
 55° 29' N., 163° 13' W.;
 55° 29' 50" N., 163° 11' W.;
 55° 29' 40" N., 163° 10' W.;
 55° 29' 10" N., 163° 08" W.;
 55° 28' 10" N., 163° 06' W.;
 55° 26' 45" N., 163° 05' W.;

55° 25' N., 163° 04' W., said coordinate being approximately S. 78° E., approximately 2 2/5 miles from Horizontal Control Station Amak;

55° 24' N., 163° 05' W.;
 55° 23' 30" N., 163° 06' W.;
 55° 23' 10" N., 163° 08' W.;
 55° 23' 30" N., 163° 10' W., said coordinate being approximately S. 33° W., approximately 1 mile from Horizontal Control Station Badger;
 55° 24' 20" N., 163° 12' W.;
 55° 25' N., 163° 13' W., to the point of beginning.

Section 702 (11):

"Semidi Wilderness of approximately two hundred fifty thousand acres as generally depicted on a map entitled 'Semidi Wilderness', dated October 1978," and described as follows:

Semidi Wilderness includes all lands (including submerged lands), waters and interests in Executive Order No. 5858, dated June 17, 1932, between latitudes 55° 51' N. and 56° 15' N., and longitudes 156° 30' W. and 157° 00' W.

Section 702 (13):

"Unimak Wilderness of approximately nine hundred and ten thousand acres, as generally depicted on a map entitled 'Unimak Wilderness', dated October 1978," and described as follows:

Unimak Wilderness includes all lands above the line of mean high tide, on Unimak Island located at approximate latitude 34° 50' N. and longitude 164° 12' W., excluding those tracts of land within the following described boundaries:

Tract A Beginning at the corner of Ta. 59 and 60 S., Ra. 95 and 96 W., Seward Meridian;

Thence southerly, between Ra. 95 and 96 W., approximately 3 miles to the corner of sections 13, 18, 19 and 24, T. 60 S., Ra. 95 and 96 W., Seward Meridian;

Thence easterly, between sections 18 and 19, 17 and 20, 16 and 21, 15 and 22, 14 and 23, 13 and 24, 18 and 19, 17 and 20, 16 and 21, 15 and 22, 14 and 23, approximately 11 miles, to the corner of sections 13, 14, 23 and 24, T. 60 S., R. 94 W., Seward Meridian;

- Thence southerly, between sections 23 and 24, 25 and 26, approximately 1 1/2 miles, to the 1/2 section corner of sections 25 and 30, T. 60 S., R. 93 and 94 W., Seward Meridian;
- Thence easterly, on the east and west centerline of section 25, approximately 1 mile, to the 1/2 section corner of sections 25 and 30, T. 60 S., R. 93 and 94 W., Seward Meridian;
- Thence southerly, between Ra. 93 and 94, approximately 1/2 mile, to the corner of sections 25, 30, 31 and 36, T. 60 S., R. 93 and 94 W., Seward Meridian;
- Thence easterly, between sections 30 and 31, approximately 1 mile to the corner of sections 29, 30, 31 and 32, T. 60 S., R. 93 W., Seward Meridian;
- Thence southerly, between sections 31 and 32, approximately 1 mile, to the standard corner of sections 31 and 32, T. 60 S., R. 93 W., Seward Meridian;
- Thence westerly, on the 15th Standard Parallel South, approximately 2 1/10 miles, to standard corner of sections 1 and 6, T. 60 and 61 S., R. 94 and 95 W., Seward Meridian;
- Thence southerly, between Ra. 94 and 95 W., approximately 6 miles to the corner of Ts. 61 and 62 S., R. 94 and 95 W., Seward Meridian;
- Thence easterly, between Ts. 61 and 62 S., approximately 3 miles to the corner of sections 3, 4, 33 and 34, Ts. 61 and 62 S., R. 94 W., Seward Meridian;
- Thence southerly, between sections 3 and 4, 9 and 10, 15 and 16, 21 and 22, approximately 4 miles, to the corner of sections 21, 22, 27 and 28, T. 62 S., R. 94 W., Seward Meridian;
- Thence westerly, between sections 21 and 28, 20 and 29, approximately 2 miles, to the corner of sections 19, 20, 29 and 30, T. 62 S., R. 94 W., Seward Meridian;
- Thence southerly, between sections 29 and 30, 31 and 32, 5 and 6, approximately 3 miles, to the corner of sections 5, 6, 7 and 8, T. 63 S., R. 94 W., Seward Meridian;
- Thence easterly, between sections 5 and 8, 4 and 9, 3 and 10, approximately 2 1/2 miles, to a special meander corner with the west bank of Otter Cove in T. 63 S., R. 94 W., Seward Meridian, at the line of mean high tide;
- Thence northeasterly and southeasterly, along the bank of said cove, approximately 3 miles, to the corner of sections 6 and 7, T. 63 S., R. 93 W., Seward Meridian, at the line of mean high tide;
- Thence easterly, between sections 6 and 7, 5 and 8, 4 and 9, 3 and 10, 2 and 11, 1 and 12, 6 and 7, 5 and 8, approximately 7 1/2 miles, to the corner of sections 4, 5, 8 and 9, T. 63 S., R. 92 W., Seward Meridian;
- Thence southerly, between sections 8 and 9, approximately 1 mile, to the corner of sections 8, 9, 16 and 17, T. 63 S., R. 92 W., Seward Meridian;
- Thence easterly, between sections 9 and 16, approximately 1 mile to the corner of sections 9, 10, 15 and 16, T. 63 S., R. 92 W., Seward Meridian;
- Thence southerly, between sections 15 and 16, 21 and 22, 27 and 28, approximately 3 miles, to the corner of sections 27, 28, 33 and 34, T. 63 S., R. 92 W., Seward Meridian;
- Thence easterly, between sections 27 and 34, approximately 2 1/3 miles, to a special meander corner with East Anchor Cove in T. 63 S., R. 92 W., Seward Meridian, at the line of mean high tide;
- Thence with the eastern coastline of Unimak Island, and along the line of mean high tide of said cove and Ikatan Bay, Unimak Strait, Bechevin Bay, St. Catherine Cove and Swanson Lagoon, to the corner of sections 28 and 29, T. 59 S., R. 95 W., Seward Meridian, at the line of mean high tide of the Bering Sea;
- Thence southerly, between sections 28 and 29, 32 and 33, approximately 1 9/10 miles, to the corner of sections 4, 5, 32 and 33, Tps. 59 and 60 S., R. 95 W., Seward Meridian;
- Thence westerly, between Ts. 59 and 60 S., R. 95 and 96 W., Seward Meridian, to the corner of Tps. 59 and 60 S., R. 95 and 96 W., Seward Meridian, to the place of beginning; and,
- Tract B Beginning at a point on the line of mean high tide of Unimak Island, between Tps. 63 and 64 S., R. 92 W., Seward Meridian;
- Thence westerly, between Tps. 63 and 64 S., approximately 1 mile, to the 1/2 section corner of sections 2 and 35, Tps. 63 and 64 S., R. 92 W., Seward Meridian;
- Thence southerly, on the north and south centerline of section 2, approximately 3/5 mile, to a point at the line of mean high tide of the Pacific Ocean in section 2, T. 64 S., R. 92 W., Seward Meridian;
- Thence easterly, southerly, easterly, northeasterly and northwesterly, with the line of mean high tide of said ocean, 2 1/2 miles to a point between Tps. 63 and 64 S., R. 92 W., Seward Meridian; the place of beginning; and,

Tract C Beginning at a point on the line of mean high tide on Unimak Island, said point being three miles easterly of a point at low water mark opposite Scotch Cap Pinnacle;

Thence due North, approximately 1 mile, to a point between Tps. 66 and 67 S., R. 104 W., Seward Meridian;

Thence N. 71° W. true, approximately 2 miles, to the eastern boundary of a service road near the center of section 34, T. 66 S., R. 104 W., Seward Meridian;

Thence following the eastern boundary of said service road and passing through sections 34, 27, 22, 21, 20, 17, 8 and 7, T. 66 S., R. 104 W.; sections 12, 1 and 2, T. 66 S., R. 105 W.; and sections 36, 25, 24, 13, 12, 11, 10, 3, and 4, T. 65 S., R. 105 W., to a point in the northern portion of section 4, T. 65 S., R. 105 W., Seward Meridian;

Thence northeast true, approximately 1 2/5 miles, to a point in the southern portion of section 27, T. 64 S., R. 104 W., Seward Meridian;

Thence north-northwest true, to the line of mean high tide of Unimak Island;

Thence westerly southwesterly and southerly, along the line of mean high tide of said island, to the point of beginning.

Wilderness areas established by P.L. 91-504, October 23, 1970:

"Section 1. In accordance with section 3(c) of the Wilderness Act (78 Stat. 890; 16 U.S.C. 1132(c)), the following lands are hereby designated as wilderness:

(a) certain lands in the (1) Bering Sea, Bogoslof, and Tuxedni National Wildlife Refuges, Alaska, which comprise about forty-one thousand one hundred and thirteen acres, three hundred and ninety acres, and six thousand four hundred and two acres, respectively, and which are depicted on maps entitled "Bering Sea Wilderness--Proposed", and "Bogoslof Wilderness--Proposed", and "Tuxedni Wilderness--Proposed", dated August 1967, and (2) the lands comprising the Saint Lazarus, Eazy Island, and Forrester Island National Wildlife Refuges, Alaska, which comprise about sixty-two acres, ²/₄ forty-acres, and two thousand six hundred and thirty acres, respectively.

1/ Subsequently determined to be 81,340 acres, 175 acres and 5,610 acres respectively.

2/ Subsequently determined to be 65, 32 and 3,400 acres respectively.

which are depicted on maps entitled "Southeastern Alaska Proposed Wilderness Areas", dated August 1967, which shall be known as the "Bering Sea Wilderness", "Bogoslof Wilderness", "Tuxedni Wilderness", "Saint Lazarus Wilderness", "Bazy Islands Wilderness", and "Forrester Island Wilderness", respectively;

These six units are described as follows:

BERING SEA WILDERNESS

Bering Sea Wilderness includes all lands above the line of mean high tide, described in Executive Order 1037, dated February 2, 1909, on islands, islets, rocks, reefs and spires, within thumb lines connecting the following 16 geographic coordinates;

60° 40' N., 173° 17' W., said coordinate being approximately 6 1/2 miles west of the top of a mountain on Hall Island, approximate elevation 1,665 feet;

60° 35' N., 173° 20' W.;

60° 30' N., 173° 18' W.;

60° 25' N., 173° 14' W.;

60° 15' N., 173° 00' W.;

60° 11' 40" N., 172° 51' W.;

60° 09' 40" N., 172° 40' W., said coordinate being approximately S. 10° 30' W., approximately 12 miles from the top of Sugar Leaf Mountain, approximate elevation 1,380 feet;

60° 09' 40" N., 172° 30' W.;

60° 11' N., 172° 20' W.;

60° 15' N., 172° 07' 30" W., said coordinate being approximately S. 46° E., approximately 6 miles from the top of a mountain located near Cape Upright, approximate elevation 1,505 feet;

60° 20' N., 172° 03' 30" W.;

60° 25' N., 172° 07' W.;

60° 40' N., 172° 40' W., said coordinate being approximately N. 58° E., approximately 1 1/2 miles from the top of a mountain in the northern portion of St. Matthew Island, approximate elevation 1,475 feet;

60° 45' N., 172° 48' W.;
 60° 46' 18" N., 173° 00' W.;
 60° 45' N., 173° 10' W., to the point of beginning;

Bogoslov Wilderness

Bogoslov Wilderness, includes all lands above the line of mean high tide, described in Executive Order No. 1049, dated March 2, 1909, on islands, islets, rocks, reefs and spires lying within a radius of 7 miles from Vertical Control Station 143, located at approximate latitude 53° 50' 42" N., longitude 168° 02' 00" W.

Tuxedni Wilderness

Tuxedni Wilderness includes the following lands within the Tuxedni Subunit of the Alaska Maritime National Wildlife Refuge:

Duck Island, the entire island, above the line of mean high tide (approximate latitude 60° 08' 54" N., longitude 152° 32' 54" W.);

Chisik Island, the entire island, above the line of mean high tide, excluding those tracts of land lying within the following described boundaries:

Tract A Beginning at the intersection of section 16 and 17, T. 1 N., R. 19 W., and the line of mean high tide of Tuxedni Bay;

Thence south, between section 16 and 17, T. 1 N., R. 19 W., to the intersection with the 100-foot contour;

Thence westerly, northwesterly and southwesterly, along the 100-foot contour, to its intersection with the section line between sections 17 and 18, T. 1 N., R. 19 W.;

Thence northerly, between sections 17 and 18, T. 1 N., R. 19 W., to the intersection with the line of mean high tide of Tuxedni Bay;

Thence northeasterly, northerly and southeasterly, along the line of mean high tide to the point of beginning;

Tract B Beginning at the intersection of the line of mean high tide on the northeast shore of Tuxedni Channel on Chisik Island, with corner No. 1 of U.S. Survey 2694, Alaska dated September 16, 1949 (approximate latitude 60° 06' 18" N., longitude 152° 34' 49" W.);

Thence with the following meanders of the Tuxedni Channel at the line of mean high tide the following (10) courses and distances;

N. 63° 00' W., 79.86 feet;
 N. 68° 12' W., 444.84 feet;
 N. 66° 46' W., 172.26 feet;
 N. 60° 02' W., 265.98 feet;
 N. 45° 59' W., 132.66 feet;
 N. 27° 30' W., 37.62 feet;
 N. 18° 04' W., 156.42 feet;
 N. 12° 44' W., 207.24 feet;
 N. 20° 53' W., 91.08 feet;

N. 39° 39' W., 108.24 feet, to the northwest corner of U.S. Survey 2694, at the line of mean high tide of Tuxedni Channel;

Thence east, along the northern boundary of U.S. Survey 2694, approximately 1,180.74 feet, to an iron post set at the northeast corner of that survey;

Thence south, 1,045.44 feet, to the southeast corner of that survey, the place of beginning; and,

Tract C All that land lying within 100 feet of a pond at approximate longitude 152° 35' 30" W., latitude 60° 08' N., together with that land lying within 100 feet of either side of a trail bearing southwest from said pond and intersecting the northern boundary of the U.S. Survey 2694 land exclusion tract, approximately east 1,08.08 feet from its northwesternmost corner.

SAINT LAZARIA WILDERNESS

Saint Lazaria Wilderness includes all lands above the line of mean high tide, described in Executive Order 1040, dated February 27, 1909, on islands, islets, rocks, reefs and spires within rhumb lines connecting the following 10 geographic coordinates:

56° 59' 30" N., 135° 43' W.;
 56° 59' 20" N., 135° 43' 35" W.;
 56° 59' 10" N., 135° 43' 43" W.;
 56° 59' 00" N., 135° 43' 35" W.;
 56° 58' 50" N., 135° 43' 35" W.;

FORRESTER ISLAND WILDERNESS

Forrester Island Wilderness includes all lands above the line of mean high tide, described in Executive Order No. 1458, dated January 11, 1912, on islands, islets, rocks, reefs and spires within: (a) North Segment--the rhumb lines connecting the following 6 geographic coordinates;

55° 02' 00" N., 133° 30' 00" W.;
 55° 01' 45" N., 133° 31' 00" W.;
 55° 00' 50" N., 133° 30' 30" W.;
 55° 00' 15" N., 133° 29' 00" W.;
 55° 00' 25" N., 133° 28' 00" W.;
 55° 01' 30" N., 133° 28' 30" W., to the point of beginning; and,

(b) South Segment--the rhumb lines connecting the following geographic coordinates:

54° 51' 30" N., 133° 35' 00" W., said coordinate being approximately N. 46° W., approximately 2 miles from Horizontal Control Station North, located on Cape Horn Rocks;
 54° 50' 00" N., 133° 35' 23" W.;
 54° 48' 00" N., 133° 34' 36" W., said coordinate being approximately N. 84° 30' W., approximately 2 miles from the top located near the center of Forrester Island, approximate elevation 1,340 feet;
 54° 46' 00" N., 133° 33' 23" W., said coordinate being approximately S. 89° W., approximately 1 3/10 miles from the top of a hill in the southern portion of Forrester Island, approximate elevation 270 feet;
 54° 45' 00" N., 133° 32' 26" W., said coordinate being approximately 1 3/10 miles from the Horizontal Control Station South, located on a group of rocks off the southern shore of Forrester Island;
 54° 44' 00" N., 133° 30' 00" W.;
 54° 44' 09" N., 133° 29' 09" W.;
 54° 45' 00" N., 133° 28' 35" W., said coordinate being approximately S. 80° E., approximately 1 1/5 miles from Horizontal Control Station Petrel, located in the southern portion of Petrel Island;
 54° 47' 13" N., 133° 29' 17" W.;

56° 58' 50" N., 135° 42' 00" W.;
 56° 59' 00" N., 135° 41' 30" W.;
 56° 59' 10" N., 135° 41' 20" W.;
 56° 59' 20" N., 135° 41' 20" W.;
 56° 59' 30" N., 135° 42' 00" W.; to the point of beginning.

HAZY ISLAND WILDERNESS

Hazy Island Wilderness includes all lands above the line of mean high tide, described in Executive Order 1459, dated January 11, 1912, on islands, islets, rocks, reefs, and spires within rhumb lines connecting the following 12 geographic coordinates:

55° 53' 30" N., 134° 36' W., said point being approximately N. 84° W., approximately 1 mile from Horizontal Control Station Hazy, located on the most northern island of the Subunit.
 55° 53' 00" N., 134° 37' 50" W., said point being approximately S. 80° 30' W., approximately 1 mile from Horizontal Control Station Big, located on Big Hazy Islet;
 55° 52' 00" N., 134° 36' 50" W.;
 55° 51' 20" N., 134° 35' 25" W.;
 55° 51' 20" N., 134° 34' 35" W.;
 55° 51' 40" N., 134° 33' 17" W., said point being approximately S. 85° E., approximately 1 mile from Horizontal Control Station Reef, located on the most southern island of the Subunit;
 55° 52' 10" N., 134° 32' 35" W., said point being approximately N. 89° 30' E., approximately 1 1/10 miles from Horizontal Control Station Dome, located on the most easterly island of the Subunit;
 55° 52' 40" N., 134° 32' 52" W.;
 55° 53' 10" N., 134° 34' W.;
 55° 54' 09" N., 134° 35' W.;
 55° 54' 32" N., 134° 36' W.;
 55° 54' 00" N., 134° 38' W.;

Thence to the point of beginning.

54° 50' 00" N., 133° 29' 17" W., said coordinate being approximately S. 81° E., approximately 1 7/10 miles from Horizontal Control Station Forrester, located in the northern portion of Forrester Island;

54° 52' 00" N., 133° 30' 00" W., said coordinate being approximately N. 66° E., approximately 1 2/5 miles from the most eastern point of Laurie Island;

54° 33' 00" N., 133° 31' 00" W.;

54° 53' 39" N., 133° 32' 00" W.;

54° 53' 39" N., 133° 33' 00" W.;

54° 53' 00" N., 133° 34' 20" W., to the point of beginning.

Wilderness area established by P.L. 93-432, January 3, 1975:

"Section 1. That in accordance with subsection (c) of section 3 of the Wilderness Act (78 Stat. 890, 892), the following lands are hereby designated as wilderness and, therefore, as components of the national wilderness preservation system:

(a) certain lands in the Chamisso National Wildlife Refuge, Alaska, which comprise approximately four hundred and fifty-five acres, which are depicted on a map entitled "Chamisso Wilderness Proposal", dated November 1969, and which shall be known as the Chamisso Wilderness."

This unit is described as follows:

Chamisso Wilderness includes all lands above the line of mean high tide, described in Executive Order 1658, dated December 7, 1912, on islands, islets, rocks, reefs and spires, within rhumb lines connecting the following 18 geographic coordinates:

66° 13' 15" N., 161° 52' W., said coordinate being approximately N. 82° W., approximately 1 1/5 miles from the top of a hill near the center of Chamisso Island, approximate elevation 246 feet;

66° 13' N., 161° 52' W.;

66° 12' 45" N., 161° 52' W.;

66° 12' 22" N., 161° 50' 20" W., said coordinate being approximately S. 21° E., approximately 1/2 mile from the most southern point on Chamisso Island at the line of mean high tide;

66° 12' 15" N., 161° 49' W.;

66° 12' 45" N., 161° 47' 30" W.;

66° 12' 45" N., 161° 46' 57" W.;

66° 13' N., 161° 46' 47" W.;

66° 13' 15" N., 161° 48' 53" W., said coordinate being approximately N. 82° E., approximately 3/5 miles from the most eastern point on Chamisso Island, at the line of mean high tide;

66° 13' 15" N., 161° 47' 18" W.;

66° 13' 45" N., 161° 47' 46" W.;

66° 14' N., 161° 48' 20" W.;

66° 14' 14" N., 161° 49' 22" W.;

66° 14' 20" N., 161° 50' W.;

66° 14' N., 161° 50' 41" W.;

66° 14' N., 161° 51' 30" W.;

66° 13' 45" N., 161° 51' 48" W., said coordinate being due west, approximately 1/5 miles from the most northern point on Puffin Island, at the line of mean high tide;

66° 13' 30" N., 161° 52' W., to the point of beginning.

Wilderness area established by P.L. 94-557, October 19, 1976:

"Section 1. In accordance with subsection 3(c) of the Wilderness Act (78 Stat. 892), the following lands are hereby designated as wilderness and, therefore, as components of the National Wilderness Preservation System:

(a) certain lands in the Simeonof National Wildlife Refuge, Alaska, which comprise approximately twenty-five thousand one hundred and forty-one acres, which are depicted on a map entitled "Simeonof Wilderness Proposal", dated January 1971, and which shall be known as the Simeonof Wilderness."

1/ Subsequently determined to be 26,046 acres.

Bering Sea Unit

1:63,360

1:63,360

1:63,360

1:63,360

1:250,000*

1:63,360

1:63,360

1:63,360

1:63,360

1:63,360

1:63,360

1:63,360

1:250,000

1:250,000

1:63,360

1:63,360

1:63,360

1:63,360

1:63,360

1:63,360

1:250,000*

1:63,360

1:63,360

1:63,360

1:63,360

1:63,360

This unit is described as follows:

Sisconof Wilderness located in the Shumagin Island Group, at approximate latitude 54° 53' N., longitude 159° 15' W., includes all lands (including submerged lands), waters and interests described in Public Land Order 1749, dated October 30, 1958, as all of Sisconof Island and its tidelands, together with all adjacent areas of water extending one mile beyond mean low water, and including any islands within said one-mile area.

The following USGS quadrangle maps were used to prepare the legal description for the Alaska Maritime National Wildlife Refuge:

1r - minor revision

1r - limited revision

* - Quad depicts original Executive Order/public land order boundary and/or wilderness boundary

Scale of Map

Name and Date

Chukchi Sea Unit

1:63,360

1:63,360

1:250,000

1:63,360

1:63,360

1:63,360

1:63,360

1:63,360

1:63,360

1:250,000

1:63,360*

1:63,360

1:63,360

1:63,360

Teller (A-3) 1950 mr 1970; (A-4) 1950 mr 1966; (B-3) 1950 mr 1967; (B-4), (B-5), (B-6), (C-6), (C-7), (D-4), (D-5), (D-6) 1950. Nome (B-1) 1950 mr 1969; (C-1); 1950 mr 1970 (C-2) 1950 mr 1963; (C-3), (D-3), (D-4) 1950. Solomon (B-2) 1950 mr 1970; (B-3) 1950 mr 1969; (B-6) 1950 mr 1965; (C-1) 1950 mr 1971; (C-2) 1950; (C-3) 1950 mr 1973; (C-4) 1950 mr 1967; (C-5) 1950; (C-6) 1950 mr 1971. Norton Bay (A-4) 1950 mr 1971; (B-4) 1950 mr 1970; (B-5), (C-4) 1950; (C-5) 1950 mr 1966; (C-6) 1950; (D-4) 1950; (D-5) 1950 mr 1970; (D-6) 1950.

St. Matthew 1951.

Unalakleet (B-5) 1952 mr 1965; (B-6) 1952 mr 1966; (C-4), (C-5) 1952 mr 1962; (D-4) 1950 mr 1965.

Saint Michael (A-2) 1952 mr 1973; (A-3) 1952; (A-4) 1952 mr 1973; (A-5), (A-6), (B-1), (B-2) 1952 mr 1973; (C-1) 1952 mr 1966.

Black (A-2) 1952 mr 1973; (B-1) 1952; (C-1) 1952 mr 1972.

Hooper Bay (A-1) 1954; (A-2) 1952; (B-2) 1953 mr 1975; (B-3), (C-4) 1952 mr 1966; (D-3) 1953.

Nunivak (B-1), (C-1), (D-1) 1954.

Unalakleet 1954 mr 1974.

Cape Mendenhall 1952.

Baird Inlet (A-6), (A-7) 1954.

Kuskokwim Bay (A-1 & B-1), (D-1) 1954; (D-2) 1953; (D-3), (D-4), (D-5), (D-6) 1954.

Goodnews Bay (A-7) 1954 mr 1973; (A-8), (B-8), (C-8), (D-8) 1954.

Hagemeister Island (C-4), (C-5) 1952; (C-6) 1948 mr 1963; (C-7) 1947 mr 1971; (D-1) 1952; (D-2) 1947 mr 1973; (D-3) 1948 mr 1973; (D-4) 1954; (D-6) 1950.

Nushagak Bay (B-3) 1950 mr 1974; (B-4) 1950; (C-1) 1952 mr 1966; (C-3); (C-4 & C-5) 1948 mr 1973; (D-5), (D-6) 1950 mr 1971.

Dillingham (A-7) 1952.

Pribilof Islands 1948 mr 1972.

Kakek (A-4) 1951 mr 1977; (A-5) 1951 mr 1968; (B-5) 1955 mr 1970; (C-4) 1952; (C-5) 1952 mr 1963; (C-6) 1952 mr 1966 (D-3), (D-4), (D-5) 1952.

Egashik (B-5) 1954; (B-6) 1963; (C-5) 1951 mr 1973; (C-6) 1951; (D-5 & D-6) 1951 mr 1973.

Bristol Bay (A-2), (B-1) 1963.

Chignik (A-8), (B-6), (B-7), (C-4), (C-5), (C-6), (D-2), (D-3), (D-4) 1963.

Gulf of Alaska Unit

Port Moller (D-2), (D-3), (D-4), (D-5), (D-6) 1963.
Cold Bay (B-3) 1963; (C-1 on Alaska Peninsula NRE map, C-2) 1963; (D-1) 1963.
Cold Bay 1943 1r 1975.

Aleutian Islands Unit

Cold Bay (B-4) 1963.
Labert Conformal Conic Projection of Aleutian Islands for 1913 proclamation 1971 - 3 sheets.

Aleutians Wilderness-Note: maps of sufficient detail were not available for descriptive work.
Legal descriptions are based on on-the-ground survey.

Wilderness depicted on:

Cold Bay 1943 1r 1975.

Unalakleet 1951 1r 1972.

False Pass 1949 1r 1970.

Unalakleet 1951 1r 1972.

Unalakleet 1951 1r 1976.

Attu 1953 1r 1970.

Kiska 1951.

Bat Islands 1951 1r 1966.

Carolei Island 1954 1r 1969.

Adak 1957.

Adak 1959 1r 1972.

Seguam 1958 1r 1972.

Amukta 1951 1r 1969.

Samalga Island 1951 1r 1974.

Alaska Peninsula Unit

False Pass 1949 1r 1970.
False Pass (D-2), (D-3) 1963.
Cold Bay 1943 1r 1975.
Cold Bay (A-1) unpublished draft.
Port Moller 1953 1r 1972.
Port Moller (A-6), (B-2) 1963; (B-3), (B-4), (B-5), (B-6) unpublished drafts; (C-1), (C-2), (D-1) 1963.
Simoonof Island 1963.
Stepovak Bay (C-5 and C-6), (D-2), (D-3), (D-4), (D-5), (D-6) 1963.
Chignik (A-1), (A-2), (A-3), (B-1) 1963; (B-2) 1963 1r 1973; (C-1) 1963.
Sutwik Island 1963.
Sutwik Island (C-5), (C-6) 1963; (D-3) 1963; (D-4), (D-5) 1963.
Ugashik (A-2) 1951 1r 1981; (A-3) 1954; (B-1) 1951 1r 1981; (B-2) 1951; (C-1) 1951 1r 1975.
Karluk (C-4 & C-5), (C-6) 1951; (D-4) 1951 1r 1973; (D-5) 1951.

Gulf of Alaska Unit

Karluk (C-1) 1952 1r 1967; (C-2) 1952 1r 1963.
Kodiak (C-1) 1949 1r 1967; (D-2) 1949 1r 1971.

Kodiak (D-3) 1947 1r 1978.

Afognak (A-1), (A-2) 1952 1r 1974; (A-3), (A-4) 1952 1r 1985; (A-5 & B-5), (B-1) 1952 1r 1970;

(B-2) 1952 1r 1969; (B-3) 1954; (B-4) 1952 1r 1973;

(C-1 & C-2) 1952 1r 1964; (C-2 & C-3) 1952 1r 1967.

Mt. Katmai (A-1) 1951; (A-2) 1951 1r 1966; (B-1) 1951.

Afognak (C-5), (C-6) 1951 1r 1973; (D-4) 1951 1r 1966.

Ilamna (A-1 & A-2) 1951 1r 1968; (A-3) 1951 1r 1968; (A-4) 1952 1r 1966; (B-2) 1958; (B-3) 1954; (C-1) 1958; (C-2) 1958 1r 1972;

(C-3) 1954 1r 1973; (D-1) 1958 1r 1972; (D-2) 1958.

Kenai (A-5) 1951 1r 1977; (A-7) 1958; (A-8) 1958.

(B-6) 1958; (B-7) 1968 1r 1973.

Seldovia (A-3) 1951 1r 1967; (A-4) 1953; (A-5) 1953; (A-6) 1952; (B-1) 1953 1r 1965; (B-2) 1951 1r 1971; (B-3) 1951 1r 1973; (B-4) 1951 1r 1971; (B-5) 1951 1r 1961; (B-6) 1951 1r 1973;

(C-1), (C-2) 1953; (C-3) 1951 1r 1973; (C-4) 1961 1r 1976; (C-5) 1961 1r 1977; (D-1) 1953; (D-3) 1951 1r 1970; (D-4) 1961 1r 1969;

(D-5) 1961 1r 1966; (D-6) 1958.

Seward (A-1) 1951 1r 1964; (A-2) 1951 1r 1963; (A-4) 1951 1r 1965; (A-5) 1951 1r 1964; (A-6) 1950 1r 1963; (A-7) 1950 1r 1975.

Alving Sound (C-7) 1952; (C-8) 1951 1r 1963; (D-1 & D-2) 1951 1r 1964; (D-3) 1953 1r 1964; (D-4) 1950 1r 1972; (D-5) 1952; (D-6) 1950 1r 1967; (D-7) 1950 1r 1963; (D-8) 1951 1r 1963.

Middleton Island (D-1 & D-2) 1955.

Cordova (A-7 & A-8) 1951 1r 1966; (B-6) 1951 1r 1963;

(B-7) 1950 1r 1970; (B-8) 1951 1r 1965.

Bering Glacier (A-2), (A-3), (A-4) 1959; (A-5), (A-6), (A-7) unpublished draft;

Icy Bay (D-2 & D-3) 1959.

Yakutat (A-1), (A-2), (A-3) 1959; (B-4) 1959 1r 1973;

(B-5) 1959; (C-5) 1959 1r 1970; (D-5) 1959

Mt. Fairweather (A-2) 1948 1r 1962; (A-3), (A-4), (A-5), (A-6), (A-7) 1951 1r 1975.

Port Alexander 1951 1r 1977.

Craig 1957 1r 1972.

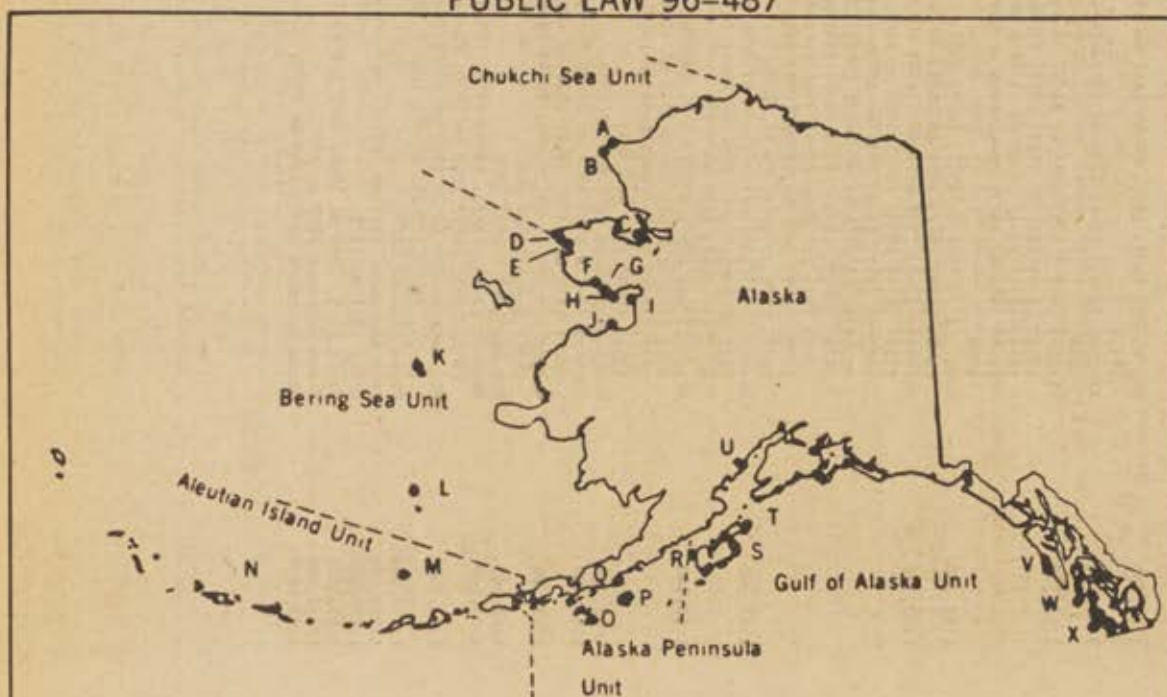
Craig (A-5) 1948 1r 1966; (D-7 & D-8) 1948 1r 1968.

Dixon Entrance 1959 1r 1972.

Dixon Entrance (D-5) 1948 1r 1971.

ALASKA MARITIME NATIONAL WILDLIFE REFUGE

PUBLIC LAW 96-487



Designated Subunits and Headlands

A. Ann Stevens Cape Lisburne	G. Bluff	M. Bogoslof	S. Womens Bay
B. Cape Thompson	H. Cape Darby	N. Aleutian Islands	T. Afognak Island
C. Chamisso	I. Cape Denbigh	O. Simeonof	U. Tuxedni
D. Cape York	J. Cape Stevens	P. Semidi	V. Saint Lazaria
E. Kotzebue Creek	K. Bering Sea	Q. Seal Cape	W. Hazy Island
F. Topok Head	L. Pribilof	R. Karluk	X. Forrester Island

The Alaska Maritime National Wildlife Refuge also consists of all public lands on islands, islets, rocks, reefs and spires in the coastal waters and adjacent seas of Alaska, except islands in units of the National Park and Forest Systems, and in other National Wildlife Refuges.

ALASKA PENINSULA NATIONAL WILDLIFE REFUGE

Section 302 (1):

"The Alaska Peninsula National Wildlife Refuge shall consist of the approximately three million five hundred thousand acres of public lands as generally depicted on the map entitled 'Alaska Peninsula National Wildlife Refuge', dated October 1979 and shall include the lands on the Alaska Peninsula transferred to and made part of the refuge pursuant to section 1427 of this Act."

The Alaska Peninsula National Wildlife Refuge consists of the public lands, as defined by the ANILCA, within the following boundaries:

Ugashik Unit

Beginning at a point at the line of mean high tide of Shelikof Strait, located approximately N. 45° E., 200 feet from the meander corner of sections 1 and 12, T. 32 S., R. 42 W., Seward Meridian;

Thence northwesterly, northerly and northwesterly, along the crest of a ridge, approximately 13 1/4 miles to the summit of a mountain located in the southerly portion of section 35, T. 30 S., R. 43 W., Seward Meridian, approximate elevation 2,445 feet;

Thence on an approximate forward bearing of N. 54° W., approximately 6 1/4 miles to the summit of Mt. Ugashik located in section 6, T. 30 S., R. 43 W., Seward Meridian, approximate elevation 2,230 feet;

Thence on an approximate forward bearing of N. 40° E., approximately 3 3/4 miles to the summit of Mt. Lee located in section 22, T. 29 S., R. 43 W., Seward Meridian, approximate elevation 2,650 feet;

Thence due west, approximately 1/4 mile to a point between sections 21 and 22, T. 29 S., R. 43 W., Seward Meridian;

Thence northerly, between sections 21 and 22, approximately 3/4 mile to the corner of sections 15, 16, 21 and 22, T. 29 S., R. 43 W., Seward Meridian;

Thence westerly, between sections 16 and 21, approximately 1 mile to the corner of sections 16, 17, 20 and 21, T. 29 S., R. 43 W., Seward Meridian;

Thence northerly, between sections 16 and 17, approximately 1 mile to the corner of sections 8, 9, 16 and 17, T. 29 S., R. 43 W., Seward Meridian;

Thence westerly, between sections 8 and 17, approximately 1 mile to the corner of sections 7, 8, 17 and 18, T. 29 S., R. 43 W., Seward Meridian;

Thence northerly, between sections 7 and 8, approximately 1 mile to the corner of sections 5, 6, 7 and 8, T. 29 S., R. 43 W., Seward Meridian;

Thence westerly, between sections 6 and 7, approximately 1 mile to the corner of sections 1, 6, 7 and 12, T. 29 S., Rs. 43 and 44 W., Seward Meridian;

Thence northerly, between Rs. 43 and 44 W., approximately 1 mile to the closing corner of T. 29 S., Rs. 43 and 44 W., Seward Meridian;

Thence westerly, on the Seventh Standard Parallel South, approximately 2,200 feet to the standard corner of sections 32 and 33, T. 28 S., R. 43 W., Seward Meridian;

Thence northerly, between sections 32 and 33, approximately 1 mile to the corner of sections 28, 29, 32 and 33, T. 28 S., R. 43 W., Seward Meridian;

Thence westerly, between sections 29 and 32, approximately 1 mile to the corner of sections 29, 30, 31 and 32, T. 28 S., R. 43 W., Seward Meridian;

Thence northerly, between sections 29 and 30, 19 and 20, approximately 2 miles to the corner of sections 17, 18, 19 and 20, T. 28 S., R. 43 W., Seward Meridian;

Thence westerly, between sections 18 and 19, 13 and 24, approximately 2 miles to the corner of sections 13, 14, 23 and 24, T. 28 S., R. 44 W., Seward Meridian;

Thence northerly, between sections 13 and 14, approximately 1 mile to the corner of sections 11, 12, 13 and 14, T. 28 S., R. 44 W., Seward Meridian;

Thence westerly, between sections 11 and 14, 10 and 15, approximately 2 miles to the corner of sections 9, 10, 15 and 16, T. 28 S., R. 44 W., Seward Meridian;

Thence northerly, between sections 9 and 10, approximately 1 mile to the corner of sections 3, 4, 9 and 10, T. 28 S., R. 44 W., Seward Meridian;

Thence westerly, between sections 4 and 9, 5 and 8, 6 and 7, approximately 3 miles to the corner of sections 1, 6, 7 and 12, T. 28 S., Rs. 44 and 45 W., Seward Meridian;

Thence northerly, between Rs. 44 and 45 W., approximately 1 mile to the corner of Tps. 27 and 28 S., Rs. 44 and 45 W., Seward Meridian;

Thence westerly, between Tps. 27 and 28 S., approximately 3 miles to the corner of sections 3, 4, 33 and 34, Tps. 27 and 28 S., R. 45 W., Seward Meridian;

Thence northerly, between sections 33 and 34, approximately 1 mile to the corner of sections 27, 28, 33 and 34, T. 27 S., R. 45 W., Seward Meridian;

Thence westerly, between sections 28 and 33, approximately 1 mile to the corner of sections 28, 29, 32 and 33, T. 27 S., R. 45 W., Seward Meridian;

Thence northerly, between sections 28 and 29, 20 and 21, approximately 2 miles to the corner of sections 16, 17, 20 and 21, T. 27 S., R. 45 W., Seward Meridian;

Thence westerly, between sections 17 and 20, 18 and 19, approximately 2 miles to the corner of sections 13, 16, 19 and 24, T. 27 S., Rs. 45 and 46 W., Seward Meridian;

Thence northerly, between Rs. 45 and 46 W., approximately 1 mile to the corner of sections 7, 12, 13 and 18, T. 27 S., Rs. 45 and 46 W., Seward Meridian;

Thence westerly, between sections 12 and 13, approximately 1 mile to the corner of sections 11, 12, 13 and 14, T. 27 S., R. 46 W., Seward Meridian;

Thence northerly, between sections 11 and 12, approximately 1/2 mile to the 1/4 section corner of sections 11 and 12, T. 27 S., R. 46 W., Seward Meridian;

Thence westerly, on the east and west centerline of section 11, approximately 1/2 mile to the center 1/4 section corner of section 11, T. 27 S., R. 46 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 11, approximately 1/2 mile to the 1/4 section corner of sections 2 and 11, T. 27 S., R. 46 W., Seward Meridian;

Thence westerly, between sections 2 and 11, approximately 1/2 mile to the corner of sections 2, 3, 10 and 11, T. 27 S., R. 46 W., Seward Meridian;

Thence northerly, between sections 2 and 3, approximately 1 mile to the corner of sections 2, 3, 34 and 35, Tps. 26 and 27 S., R. 46 W., Seward Meridian;

Thence westerly, between Tps. 26 and 27 S., approximately 1 mile to the corner of sections 3, 4, 33 and 34, Tps. 26 and 27 S., R. 46 W., Seward Meridian;

Thence northerly, between sections 33 and 34, approximately 1 mile to the corner of sections 27, 28, 33 and 34, T. 26 S., R. 46 W., Seward Meridian;

Thence westerly, between sections 28 and 33, approximately 1 mile to the corner of sections 28, 29, 32 and 33, T. 26 S., R. 46 W., Seward Meridian;

Thence northerly, between sections 28 and 29, approximately 1/2 mile to the 1/4 section corner of sections 28 and 29, T. 26 S., R. 46 W., Seward Meridian;

Thence westerly, on the east and west centerline of section 29, approximately 1/2 mile to the center 1/4 section corner of section 29, T. 26 S., R. 46 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 29, approximately 1/2 mile to the 1/4 section corner of sections 20 and 29, T. 26 S., R. 46 W., Seward Meridian;

Thence northerly, between sections 19 and 20, approximately 1 mile to the corner of sections 17, 18, 19 and 20, T. 26 S., R. 46 W., Seward Meridian;

Thence westerly, between sections 18 and 19, approximately 1 mile to the corner of sections 13, 16, 19 and 24, T. 26 S., Rs. 46 and 47 W., Seward Meridian;

Thence southerly, between Rs. 46 and 47 W., approximately 9 miles to the corner of Tps. 27 and 28 S., Rs. 46 and 47 W., Seward Meridian;

Thence westerly, between Tps. 27 and 28 S., approximately 6 miles to the corner of Tps. 27 and 28 S., Rs. 47 and 48 W., Seward Meridian;

Thence southerly, between Rs. 47 and 48 W., approximately 6 miles to the standard corner of T. 28 S., Rs. 47 and 48 W., Seward Meridian;

Thence easterly, on the Seventh Standard Parallel South, approximately 2 3/4 miles to the closing corner of T. 29 S., Rs. 47 and 48 W., Seward Meridian;

Thence southerly, between Rs. 47 and 48 W., approximately 12 miles to the theoretical position for the corner of Tps. 30 and 31 S., Rs. 47 and 48 W., Seward Meridian;

Thence westerly, between Tps. 30 and 31 S., approximately 6 miles to the corner of Tps. 30 and 31 S., Rs. 48 and 49 W., Seward Meridian;

Thence southerly, between Rs. 48 and 49 W., approximately 6 miles to the corner of Tps. 31 and 32 S., Rs. 48 and 49 W., Seward Meridian;

Thence westerly, between Tps. 31 and 32 S., approximately 12 miles to the corner of Tps. 31 and 32 S., Rs. 50 and 51 W., Seward Meridian;

Thence southerly, between Rs. 50 and 51 W., approximately 6 miles to the standard corner of T. 32 S., Rs. 50 and 51 W., Seward Meridian;

Thence westerly, on the Eighth Standard Parallel South, approximately 3 miles to the closing corner of T. 33 S., Rs. 51 and 52 W., Seward Meridian;

Thence southerly, between Rs. 51 and 52 W., approximately 6 miles to the corner of Tps. 33 and 34 S., Rs. 51 and 52 W., Seward Meridian;

Thence westerly, between Tps. 33 and 34 S., approximately 6 miles to the corner of Tps. 33 and 34 S., Rs. 52 and 53 W., Seward Meridian;

Thence southerly, between Rs. 52 and 53 W., approximately 6 miles to the corner of Tps. 34 and 35 S., Rs. 52 and 53 W., Seward Meridian;

Thence easterly, between Tps. 34 and 35 S., approximately 12 miles to the corner of Tps. 34 and 35 S., Rs. 50 and 51 W., Seward Meridian;

Thence southerly, between Rs. 50 and 51 W., approximately 12 miles to the standard corner of T. 36 S., Rs. 50 and 51 W., Seward Meridian;

Thence westerly, on the Ninth Standard Parallel South, approximately 2 1/2 miles to the summit of a ridge on the south boundary of section 34, T. 36 S., R. 51 W., Seward Meridian;

Thence southeasterly, along the crest of a ridge between the drainages of Yantarni Creek, Northeast Creek, Main Creek and Painter Creek, approximately 1/2 miles to a point between sections 31 and 36, T. 37 S., Rs. 50 and 51 W., Seward Meridian, on the crest of a ridge between the drainages of Yantarni Creek and Northeast Creek, approximate elevation 700 feet;

Thence southerly, between Rs. 50 and 51 W., approximately 1 3/4 miles, to a point on the crest of a ridge between sections 7 and 12, T. 38 S., Rs. 50 and 51 W., Seward Meridian;

Thence southeasterly, along the crest of a ridge between the drainages of Yantarni Creek and Northeast Creek, approximately 5 1/2 miles to the summit of a mountain located in the southerly portion of section 28, T. 38 S., R. 50 W., Seward Meridian, approximate elevation 3,271 feet;

Thence on an approximate forward bearing of South, approximately 1 3/4 miles to the center 1/4 section corner of section 4, T. 39 S., R. 50 W., Seward Meridian;

Thence easterly, on the east and west centerline of section 4, approximately 1/2 mile to the 1/4 section corner of sections 3 and 4, T. 39 S., R. 50 W., Seward Meridian;

Thence southerly, between sections 3 and 4, approximately 1/2 mile to the corner of sections 3, 4, 9 and 10, T. 39 S., R. 50 W., Seward Meridian;

Thence easterly, between sections 3 and 10, approximately 1/2 mile to the 1/4 section corner of sections 3 and 10, T. 39 S., R. 50 W., Seward Meridian;

Thence southerly, on the north and south centerline of section 10, approximately 1 mile to the 1/4 section corner of sections 10 and 15, T. 39 S., R. 50 W., Seward Meridian;

Thence easterly, between sections 10 and 15, approximately 1/2 mile to the corner of sections 10, 11, 14 and 15, T. 39 S., R. 50 W., Seward Meridian;

Thence southerly, between sections 14 and 15, approximately 1 mile to the corner of sections 14, 15, 22 and 23, T. 39 S., R. 50 W., Seward Meridian;

Thence easterly, between sections 14 and 23, approximately 1/2 mile to the 1/4 section corner of sections 14 and 23, T. 39 S., R. 50 W., Seward Meridian;

Thence southerly, on the north and south centerline of section 23, approximately 1 mile to the 1/4 section corner of sections 23 and 26, T. 39 S., R. 50 W., Seward Meridian;

Thence easterly, between sections 23 and 26, 24 and 25, approximately 1 1/2 miles to the corner of sections 19, 24, 25 and 30, T. 39 S., Rs. 49 and 50 W., Seward Meridian;

Thence southerly, between Rs. 49 and 50 W., approximately 1/2 mile to the meander corner of sections 25 and 30, T. 39 S., Rs. 49 and 50 W., Seward Meridian, at the line of mean high tide of the Pacific Ocean;

Thence northeasterly, along the line of mean high tide of the Pacific Ocean, to the meander corner of sections 1 and 2, T. 36 S., R. 45 W., Seward Meridian;

Thence on an approximate forward bearing of N. 30° E., approximately 1 1/2 miles to the meander corner of sections 25 and 30, T. 35 S., Rs. 44 and 45 W., Seward Meridian;

Thence northeasterly, along the line of mean high tide of the Pacific Ocean, closing the mouths of all rivers and inlets, to the meander corner of sections 15 and 16, T. 33 S., R. 44 W., Seward Meridian;

Thence on an approximate forward bearing of N. 70° W., approximately 4 miles to the meander corner of sections 11 and 12, T. 33 S., R. 45 W., Seward Meridian, at the line of mean high tide of Wide Bay;

Thence on an approximate forward bearing of S. 75° E., approximately 1 1/2 miles to the meander corner of sections 4 and 5, T. 45 S., R. 58 W., Seward Meridian;

Thence northeasterly and southeasterly, along the line of mean high tide of Chignik Bay, closing the mouth of Lake Bay, to the most easterly point in section 16, T. 45 S., R. 57 W., Seward Meridian;

Thence on an approximate forward bearing of S. 45° E., approximately 4 1/2 miles to the most northerly point in section 36, T. 45 S., R. 57 W., Seward Meridian;

Thence southwesterly, along the line of mean high tide of the Pacific Ocean, closing the unnamed bay south of Nikola Cove, approximately 15 1/2 miles to the southernmost tip of land in section 9, T. 47 S., R. 58 W., Seward Meridian;

Thence on an approximate forward bearing of S. 23° W., approximately 4 1/2 miles crossing the mouth of Warner Bay to a point in the line of mean high tide in Section 31, T. 47 S., R. 58 W., Seward Meridian;

Thence northwesterly, with the line of mean high tide approximately 1 1/2 miles to the meander corner of sections 25 and 36, T. 47 S., R. 59 W., Seward Meridian;

Thence on an approximate forward bearing of N. 71° W., approximately 1 1/2 miles to the special meander corner on the east and west centerline of section 27, T. 47 S., R. 59 W., Seward Meridian;

Thence westerly, on the east and west centerline of section 27, approximately 1 mile to the 1/4 section corner of sections 27 and 28, T. 47 S., R. 59 W., Seward Meridian;

Thence southerly, between sections 27 and 28, 33 and 34, approximately 3/4 mile to the meander corner of sections 33 and 34, T. 47 S., R. 59 W., Seward Meridian, on the line of mean high tide of Sweater Bay;

Thence southwesterly, along the line of mean high tide of Sweater Bay to the most southerly point in section 12, T. 48 S., R. 60 W., Seward Meridian;

Thence approximate forward bearing of S. 25° W., approximately 5 miles to the most easterly point in section 12, T. 49 S., R. 61 W., Seward Meridian, at the line of mean high tide;

Thence westerly, along the mean high tide of the Pacific Ocean to the most southerly point of land in section 11, at Triangulation Point "Nitch", T. 49 S., R. 61 W., Seward Meridian;

Thence on an approximate forward bearing of N. 86°, 30' W., approximately 2.1 miles to the most southerly point in section 9, T. 49 S., R. 61 W., Seward Meridian;

[Note: The area adjoining this portion of the Alaska Peninsula MNR is the Seal Cape headland segment of the Alaska Maritime MNR, and is described within that refuge.]

Thence northeasterly, along the line of mean high tide of Wide Bay to the most easterly point of section 2, T. 32 S., R. 43 W., Seward Meridian;

Thence on an approximate forward bearing of S. 87 1/2° E., approximately 4 3/4 miles to the most southerly point in section 10, T. 32 S., R. 42 W., Seward Meridian, at the line of mean high tide of Shelikof Strait;

Thence easterly and northeasterly, along the line of mean high tide of Shelikof Strait, approximately 3 miles to a point approximately N. 45° E., 200 feet from the meander corner of sections 1 and 12, T. 32 S., R. 42 W., Seward Meridian, the place of beginning.

Orignik-Pavlof Unit

Beginning at the meander corner of sections 7 and 12, T. 41 S., R. 54 and 55 W., Seward Meridian, at the line of mean high tide of Kujulik Bay;

Thence southerly, across Kujulik Bay, approximately 6 miles to the meander corner of sections 7 and 12, T. 42 S., R. 54 and 55 W., Seward Meridian, at the line of mean high tide of Kujulik Bay;

Thence easterly and southwesterly, along the line of mean high tide of Kujulik Bay, Hook Bay and Orignik Bay to the meander corner of sections 24 and 25, T. 44 S., R. 59 W., Seward Meridian;

Thence on an approximate forward bearing of S. 61° E., approximately 1 1/4 miles to the meander corner of sections 29 and 30, T. 44 S., R. 58 W., Seward Meridian;

Thence northeasterly and southwesterly, along the line of mean high tide of Orignik Bay to the meander corner of sections 28 and 33, T. 44 S., R. 58 W., Seward Meridian;

Thence on an approximate forward bearing of S. 69° E., approximately 3/4 miles to the meander corner of sections 33 and 34, T. 44 S., R. 58 W., Seward Meridian;

Thence southeasterly, along the line of mean high tide of Orignik Bay to the meander corner on the south boundary of section 34, T. 44 S., R. 58 W., Seward Meridian;

Thence westerly, along the line of mean high tide of the Pacific Ocean to the meander corner of sections 5 and 8, T. 49 S., R. 61 W., Seward Meridian;

Thence on an approximate forward bearing of N. 50° W., approximately 2 1/2 miles to the meander corner of sections 33 and 34, T. 48 S., R. 61 W., Seward Meridian;

Thence northwesterly and southwesterly, along the line of mean high tide of Mitrofanis Bay and the Pacific Ocean, closing the mouths of all rivers and inlets, to the special meander corner on the north and south centerline of section 1, T. 51 S., R. 66 W., Seward Meridian;

Thence on an approximate forward bearing of S. 71° W., approximately 3 1/2 miles to the meander corner of sections 9 and 16, T. 51 S., R. 66 W., Seward Meridian;

Thence southwesterly, westerly and northerly, along the line of mean high tide of the Pacific Ocean, closing the mouths of all rivers and Boulder Bay, to the most westerly point on Cub Point, T. 53 S., R. 68 W., Seward Meridian;

Thence on an approximate forward bearing of N. 20° E., approximately 5 1/2 miles to the most westerly point in section 19, T. 52 S., R. 67 W., Seward Meridian, at the line of mean high tide of Stepovak Bay;

Thence northeasterly, northwesterly and southwesterly, along the line of mean high tide of Stepovak Bay, and Unga Strait, closing the mouths of San Diego Bay and Albatross Anchorage and all rivers and inlets, to the most westerly point in section 34, T. 55 S., R. 80 W., Seward Meridian, at the line of mean high tide of Revlof Bay;

Thence on an approximate forward bearing of N. 87° W., approximately 4 3/4 miles to the most southerly point in the Flat Island Group, located in the northerly portion of section 36, T. 55 S., R. 81 W., Seward Meridian;

Thence on an approximate forward bearing of N. 55° W., approximately 3 1/2 miles to the most easterly point of Black Point in the northerly portion of section 21, T. 55 S., R. 81 W., Seward Meridian, at the line of mean high tide of Revlof Bay;

Thence southwesterly, northwesterly, southeasterly and southwesterly, along the line of mean high tide of the Pacific Ocean, closing Bear Bay and Captain Harbor and the mouths of all rivers, inlets and lagoons, to the meander corner of sections 22 and 27, T. 59 S., R. 86 W., Seward Meridian;

Thence westerly, approximately 1 mile, to the meander corner of sections 21 and 28, T. 59 S., R. 86 W., Seward Meridian, at the line of mean high tide of King Cove;

Thence southwesterly, along the line of mean high tide of King Cove and Deer Passage, to the most southerly point in section 36, T. 59 S., R. 87 W., Seward Meridian;

Thence on an approximate forward bearing of S. 83° W., approximately 7 miles to the meander corner of sections 1 and 36, Tps. 59 and 60 S., R. 88 W., Seward Meridian, at the line of mean high tide of the Pacific Ocean;

Thence southeasterly, northwesterly and southwesterly, along the line of mean high tide of the Pacific Ocean, closing the mouths of all inlets and rivers, to the most westerly point in section 27, T. 60 S., R. 90 W., Seward Meridian;

Thence on an approximate forward bearing of S. 87° W., approximately 4 1/2 miles to the most easterly point of Kenmore Head, located in the southwesterly portion of section 25, T. 60 S., R. 91 W., Seward Meridian, at the line of mean high tide of the Pacific Ocean;

Thence southwesterly, northwesterly and northeasterly, along the line of mean high tide of the Pacific Ocean, Ivatan Bay and Isarotski Strait to the meander corner of sections 25 and 30, T. 61 S., R. 93 and 94 W., Seward Meridian;

Thence northerly, between Rs. 93 and 94 W., approximately 3 1/4 miles to the meander corner of sections 7 and 12, T. 61 S., R. 93 and 94 W., Seward Meridian, at the line of mean high tide of Bechevin Bay;

Thence northerly, along the line of mean high tide of Bechevin Bay, to the most northerly point in section 26, T. 60 S., R. 93 W., Seward Meridian, at the line of mean high tide of Hot Springs Bay;

Thence on an approximate forward bearing of N. 36° E., approximately 3 miles to the most westerly point in section 7, T. 60 S., R. 92 W., Seward Meridian, at the line of mean high tide of Bechevin Bay;

Thence northerly, along the line of mean high tide of Bechevin Bay, approximately 3 1/4 miles to its intersection with the mouth of an unnamed stream on the east shore of Bechevin Bay, at approximate latitude 55° 03' N., longitude 162° 59' W.

Thence easterly and northerly, along the boundary of the Izenbek National Wildlife Refuge to Corner No. 9 on that boundary, at approximate latitude 55° 32' 10" N., longitude 162° 26' W., a point between sections 4 and 33, Tps. 54 and 55 S., R. 85 W., Seward Meridian;

Thence easterly, between Tps. 54 and 55 S., approximately 3 1/2 miles to the corner of Tps. 54 and 55 S., Rs. 84 and 85 W., Seward Meridian;

Thence northerly, between Rs. 84 and 85 W., approximately 12 miles to the closing corner of T. 53 S., Rs. 84 and 85 W., Seward Meridian;

Thence easterly, along the Thirteenth Standard Parallel South, approximately 26 miles to the meander corner on the south boundary of section 31, T. 52 S., R. 79 W., Seward Meridian, at the line of mean high tide of Pavlov Bay;

Thence easterly, along the line of mean high tide of Pavlov Bay, approximately 6 miles to the meander corner of sections 31 and 36, T. 52 S., Rs. 78 and 79 W., Seward Meridian;

Thence northerly, between Rs. 78 and 79 W., approximately 6 miles to the corner of Tps. 51 and 52 S., Rs. 78 and 79 W., Seward Meridian;

Thence easterly, between Tps. 51 and 52 S., approximately 24 miles to the meander corner of Tps. 51 and 52 S., R. 74 W., Seward Meridian, at the line of mean high tide on the east side of the westerly arm of Herendeen Bay;

Thence northerly, along the line of mean high tide of Herendeen Bay, approximately 4 miles to the meander corner of sections 19 and 20, T. 51 S., R. 74 W., Seward Meridian, at the line of mean high tide of Mine Harbor;

Thence northerly, approximately 2 1/4 miles to the meander corner of sections 7 and 8, T. 51 S., R. 74 W., Seward Meridian, at the line of mean high tide of Herendeen Bay;

Thence northwesterly and easterly, along the line of mean high tide of Herendeen Bay and Port Moller, approximately 22 miles to the meander corner of sections 12 and 13, T. 50 S., R. 73 W., Seward Meridian, at the line of mean high tide of Port Moller;

Thence on an approximate forward bearing of N. 76° E., approximately 5 1/2 miles to the meander corner of sections 2 and 35, Tps. 49 and 50 S., R. 72 W., Seward Meridian, at the line of mean high tide of Port Moller;

Thence easterly, between Tps. 49 and 50 S., approximately 14 miles to the corner of Tps. 49 and 50 S., Rs. 69 and 70 W., Seward Meridian;

Thence northerly, between Rs. 69 and 70 W., approximately 6 miles to the closing corner of T. 49 S., Rs. 69 and 70 W., Seward Meridian;

Thence westerly, on the Twelfth Standard Parallel South, approximately 3 3/4 miles to the standard corner of T. 48 S., Rs. 69 and 70 W., Seward Meridian;

Thence northerly, between Rs. 69 and 70 W., approximately 6 miles to the corner of Tps. 47 and 48 S., Rs. 69 and 70 W., Seward Meridian;

Thence easterly, between Tps. 47 and 48 S., approximately 6 miles to the corner of Tps. 47 and 48 S., Rs. 68 and 69 W., Seward Meridian;

Thence northerly, between Rs. 68 and 69 W., approximately 6 miles to the corner of Tps. 46 and 47 S., Rs. 68 and 69 W., Seward Meridian;

Thence easterly, between Tps. 46 and 47 S., approximately 6 miles to the corner of Tps. 46 and 47 S., Rs. 67 and 68 W., Seward Meridian;

Thence northerly, between Rs. 67 and 68 W., approximately 6 miles to the corner of Tps. 45 and 46 S., Rs. 67 and 68 W., Seward Meridian;

Thence easterly, between Tps. 45 and 46 S., approximately 6 miles to the corner of Tps. 45 and 46 S., Rs. 66 and 67 W., Seward Meridian;

Thence northerly, between Rs. 66 and 67 W., approximately 6 miles to the closing corner of T. 45 S., Rs. 66 and 67 W., Seward Meridian;

Thence easterly, on the Eleventh Standard Parallel South, approximately 8 1/2 miles to the standard corner of T. 44 S., Rs. 64 and 65 W., Seward Meridian;

Thence northerly, between Rs. 64 and 65 W., approximately 12 miles to the corner of Tps. 42 and 43 S., Rs. 64 and 65 W., Seward Meridian;

Thence easterly, between Tps. 42 and 43 S., approximately 12 miles to the corner of Tps. 42 and 43 S., Rs. 62 and 63 W., Seward Meridian;

Thence northerly, between Rs. 62 and 63 W., approximately 12 miles to the closing corner of T. 41 S., Rs. 62 and 63 W., Seward Meridian;

Thence easterly, on the Tenth Standard Parallel South, approximately 20 3/4 miles to the standard corner of T. 40 S., Rs. 58 and 59 W., Seward Meridian;

Thence northerly, between Rs. 58 and 59 W., approximately 12 miles to the corner of Tps. 38 and 39 S., Rs. 58 and 59 W., Seward Meridian;

Thence easterly, between Tps. 38 and 39 S., approximately 6 miles to the corner of Tps. 38 and 39 S., Rs. 57 and 58 W., Seward Meridian;

Thence northerly, between Rs. 57 and 58 W., approximately 6 miles to the corner of Tps. 37 and 38 S., Rs. 57 and 58 W., Seward Meridian;

Thence easterly, between Tps. 37 and 38 S., approximately 6 miles to the corner of Tps. 37 and 38 S., Rs. 56 and 57 W., Seward Meridian;

The following USGS quadrangle maps were used to prepare the legal description for the Alaska Peninsula National Wildlife Refuge:

Scale of Map	Name and Date
1r - minor revision	
1r - limited revision	
Ugashik Unit	
1:63,360	Ugashik (A-2) 1951; (A-3) 1954; (A-5), (A-6) 1963; (B-1), (B-2) 1951; (B-4), (B-5) 1954; (B-6) 1963 1r 1975; (C-1), (C-2) 1951; (C-3), (C-4) 1951 1r 1975; (D-2) 1951; (D-3) 1951 1r 1975; (D-4) 1971 1r 1975.
1:250,000	Sutwik Island 1963.
1:63,360	Sutwik Island (D-3) 1954; (D-4), (D-5) 1963.
Chignik-Pavlof Unit	
1:250,000	Cold Bay 1943 1r 1975.
1:63,360	Cold Bay (A-1) on Alaska Maritime NWR map--unpublished draft; (C-1), (C-2) 1963
1:250,000	False Pass 1949 1r 1970
1:63,360	False Pass (D-2), (D-3) 1963.
1:250,000	Port Moller 1953 1r 1972.
1:63,360	Port Moller (A-6), (B-2) 1963; (B-3), (B-4), (B-5), (B-6) on Alaska Maritime NWR maps--unpublished drafts; (C-1), (C-2), (C-3), (C-4), (D-1), (D-2), (D-3) 1963.
1:63,360	Chignik (A-1), (A-2), (A-6), (A-7), (B-1), (B-2) 1963; (B-3) on Alaska Maritime map--unpublished draft; (B-4), (B-5), (C-1), (C-2), (C-3), (C-4), (D-1), (D-2) 1963.
1:63,360	Sutwik Island (B-6), (C-6) 1963.
1:63,360	Stepovak (C-5 and C-6), (D-1), (D-2), (D-3), (D-4), (D-5) 1963.
North Creek Unit	
1:63,360	Cold Bay (C-2) 1963.

Thence southerly, between Rs. 56 and 57 W., approximately 3 miles to the corner of sections 13, 18, 19 and 24, T. 38 S., Rs. 56 and 57 W., Seward Meridian;

Thence westerly, between sections 13 and 24, 14 and 23, 15 and 22, approximately 3 miles to the corner of sections 15, 16, 21 and 22, T. 38 S., R. 57 W., Seward Meridian;

Thence southerly, between sections 21 and 22, 27 and 28, 33 and 34, 3 and 4, 9 and 10, 15 and 16, approximately 6 miles to the corner of sections 15, 16, 21 and 22, T. 39 S., R. 57 W., Seward Meridian;

Thence easterly, between sections 15 and 22, 14 and 23, 13 and 24, approximately 3 miles to the corner of sections 13, 18, 19 and 24, T. 39 S., Rs. 56 and 57 W., Seward Meridian;

Thence southerly, between Rs. 56 and 57 W., approximately 6 miles to the corner of sections 13, 18, 19 and 24, T. 40 S., Rs. 56 and 57 W., Seward Meridian;

Thence easterly, between sections 18 and 19, 17 and 20, 16 and 21, 15 and 22, 14 and 23, 13 and 24, approximately 6 miles to the corner of sections 13, 18, 19 and 24, T. 40 S., Rs. 55 and 56 W., Seward Meridian;

Thence southerly, between Rs. 55 and 56 W., approximately 3 miles to the standard corner of T. 40 S., Rs. 55 and 56 W., Seward Meridian;

Thence easterly, on the Tenth Standard Parallel South, approximately 9 miles to the closing corner of T. 41 S., Rs. 54 and 55 W., Seward Meridian;

Thence southerly, between Rs. 54 and 55 W., approximately 1 1/2 miles to the meander corner of sections 7 and 12, T. 41 S., Rs. 54 and 55 W., Seward Meridian, the place of beginning.

North Creek Unit

Beginning at the meander corner of sections 13 and 18, T. 53 S., Rs. 85 and 86 W., Seward Meridian at the line of mean high tide of Bering Sea;

Thence southerly, between Rs. 85 and 86 W., approximately 6 miles to the intersection with the boundary of Izembek National Wildlife Refuge;

Thence northwesterly, along the boundary of Izembek National Wildlife Refuge, approximately 3 miles to a point at the mean high tide of Bering Sea;

Thence northeasterly, along the line of mean high tide of the Bering Sea, approximately 4 1/2 miles to the place of beginning.

*Department of the Interior 1:250,000 scale map issued in 1981, incorrectly depicts this portion of the description.

Section 303 (2):

"The Arctic National Wildlife Refuge shall consist of the existing Arctic National Wildlife Range including lands, waters, interests, and whatever submerged lands, if any, were retained in Federal ownership at the time of statehood and an addition of approximately nine million one hundred and sixty thousand acres of public lands, as generally depicted on a map entitled "Arctic National Wildlife Refuge", dated August 1980."

The Arctic National Wildlife Refuge consists of the public lands, as defined by the ANILCA, within the following boundary:

Beginning at a point on the Venetie Indian Reservation boundary as surveyed and plotted in U.S. Survey No. 5220, Alaska, dated April 26, 1978, between sections 31 and 36, T. 29 N., Rs. 3 and 4 E., Fairbanks Meridian;

Thence northerly, between Rs. 3 and 4 E., approximately 23 1/2 miles to the closing corner of T. 32 N., Rs. 3 and 4 E., Fairbanks Meridian;

Thence easterly, along the Eighth Standard Parallel North, approximately 1/2 mile to the standard corner of T. 33 N., Rs. 3 and 4 E., Fairbanks Meridian;

Thence northerly, between Rs. 3 and 4 E., approximately 6 miles to the corner of Tps. 33 and 34 N., Rs. 3 and 4 E., Fairbanks Meridian;

Thence westerly, between Tps. 33 and 34 N., approximately 16 miles to the corner of sections 4, 5, 32 and 33, Tps. 33 and 34 N., R. 1 E., Fairbanks Meridian;

Thence northerly, between sections 32 and 33, 28 and 29, 20 and 21, 16 and 17, 8 and 9, 4 and 5, approximately 6 miles to the corner of sections 4, 5, 32 and 33, Tps. 34 and 35 N., R. 1 E., Fairbanks Meridian;

Thence westerly, between Tps. 34 and 35 N., approximately 5 miles to the corner of sections 3, 4, 33 and 34, Tps. 34 and 35 N., R. 1 W., Fairbanks Meridian;

Thence northerly, between sections 33 and 34, 27 and 28, 21 and 22, 15 and 16, 9 and 10, approximately 4 1/2 miles to the summit of a ridge between sections 9 and 10, T. 35 N., R. 1 W., Fairbanks Meridian, approximate elevation 4,085 feet;

Thence on an approximate forward bearing of N. 72° W., approximately 6 miles to the summit of a hill located in section 34, T. 36 N., R. 2 W., Fairbanks Meridian, approximate elevation 4,200 feet;

Thence northwesterly, on the crest of a ridge between the drainages of Your Creek and the Middle Fork Chena River, approximately 35 miles to a point on the Continental Divide, in the northeasterly portion of section 4, T. 14 S., R. 16 E., Uniat Meridian;

Thence southwesterly and northwesterly, along the Continental Divide, approximately 27 miles to a point between sections 31 and 36, T. 14 S., Rs. 12 and 13 E., Uniat Meridian;

Thence northerly, between Rs. 12 and 13 E., approximately 12 miles to the closing corner of T. 13 S., Rs. 12 and 13 E., Uniat Meridian;

Thence easterly, on the Third Standard Parallel South, approximately 1 1/4 miles to the standard corner of T. 12 S., Rs. 12 and 13 E., Uniat Meridian;

Thence northerly, between Rs. 12 and 13 E., approximately 6 miles to the corner of Tps. 11 and 12 S., Rs. 12 and 13 E., Uniat Meridian;

Thence easterly, between Tps. 11 and 12 S., approximately 4 miles to the corner of sections 4, 5, 32 and 33, Tps. 11 and 12 S., R. 12 E., Uniat Meridian;

Thence northerly, between sections 32 and 33, 28 and 29, approximately 2 miles to the corner of sections 20, 21, 28 and 29, T. 11 S., R. 12 E., Uniat Meridian;

Thence westerly, between sections 20 and 29, approximately 1 mile to the corner of sections 19, 20, 29 and 30, T. 11 S., R. 12 E., Uniat Meridian;

Thence northerly, between sections 19 and 20, 17 and 18, approximately 1 1/2 miles to the 1/4 section corner of sections 17 and 18, T. 11 S., R. 12 E., Uniat Meridian;

Thence easterly, on the east and west centerline of section 17, approximately 1 mile to the 1/4 section corner of sections 16 and 17, T. 11 S., R. 12 E., Uniat Meridian;

Thence northerly, between sections 16 and 17, approximately 1/2 mile to the corner of sections 8, 9, 16 and 17, T. 11 S., R. 12 E., Uniat Meridian;

Thence easterly, between sections 9 and 16, 10 and 15, 11 and 14, approximately 3 miles to the corner of sections 11, 12, 13 and 14, T. 11 S., R. 12 E., Uniat Meridian;

Thence northerly, between Rs. 15 and 16 E., approximately 18 miles to the closing corner of T. 5 S., Rs. 15 and 16 E., Umat Meridian;

Thence easterly, along the First Standard Parallel South, approximately 15 1/2 miles to the standard corner of sections 32 and 33, T. 4 S., R. 18 E., Umat Meridian;

Thence northerly, between sections 32 and 33, 28 and 29, 20 and 21, 16 and 17, 8 and 9, 4 and 5, approximately 6 miles to the corner of sections 4, 5, 32 and 33, Tps. 3 and 4 S., R. 18 E., Umat Meridian;

Thence easterly, between Tps. 3 and 4 S., approximately 4 miles to the corner of Tps. 3 and 4 S., Rs. 18 and 19 E., Umat Meridian;

Thence northerly, between Rs. 18 and 19 E., approximately 6 miles to the corner of Tps. 2 and 3 S., Rs. 18 and 19 E., Umat Meridian;

Thence easterly, between Tps. 2 and 3 S., approximately 6 miles to the corner of Tps. 2 and 3 S., Rs. 19 and 20 E., Umat Meridian;

Thence northerly, between Rs. 19 and 20 E., approximately 6 miles to the corner of Tps. 1 and 2 S., Rs. 19 and 20 E., Umat Meridian;

Thence easterly, between Tps. 1 and 2 S., approximately 6 miles to the corner of Tps. 1 and 2 S., Rs. 20 and 21 E., Umat Meridian;

Thence northerly, between Rs. 20 and 21 E., approximately 3 miles to the corner of sections 13, 18, 19 and 24, T. 1 S., Rs. 20 and 21 E., Umat Meridian;

Thence easterly, between sections 18 and 19, 17 and 20, 16 and 21, 15 and 22, 14 and 23, 13 and 24, approximately 6 miles to the corner of sections 13, 18, 19 and 24, T. 1 S., Rs. 21 and 22 E., Umat Meridian;

Thence southerly, between Rs. 21 and 22 E., approximately 3 miles to the corner of Tps. 1 and 2 S., Rs. 21 and 22 E., Umat Meridian;

Thence easterly, between Tps. 1 and 2 S., approximately 21 3/4 miles to the meander corner of sections 3 and 34 at the line of mean high water on the west bank of the Canning River, Tps. 1 and 2 S., R. 25 E., Umat Meridian;

Thence northerly, along the mean high water line of the left bank of the Canning River, approximately 60 miles to the intersection of the extreme left bank with the mean high tide of the Arctic Ocean in section 15, T. 9 N., R. 24 E., Umat Meridian;

Thence on an approximate forward bearing of N. 36 1/2° E., approximately 3 1/4 miles to the line of extreme low water of the most westerly tip of the most northwesterly island, westerly of Brownlow Point, section 6, T. 9 N., R. 25 E., Umat Meridian;

Thence northerly, between sections 11 and 12, 1 and 2, approximately 2 miles to the corner of sections 1, 2, 35 and 36, Tps. 10 and 11 S., R. 12 E., Umat Meridian;

Thence easterly, between Tps. 10 and 11 S., approximately 13 miles to the corner of Tps. 10 and 11 S., Rs. 14 and 15 E., Umat Meridian;

Thence northerly, between Rs. 14 and 15 E., approximately 12 miles to the closing corner of T. 9 S., Rs. 14 and 15 E., Umat Meridian;

Thence easterly, along the Second Standard Parallel South, approximately 1 1/4 miles to the standard corner of T. 8 S., Rs. 14 and 15 E., Umat Meridian;

Thence northerly, between Rs. 14 and 15 E., approximately 1 mile to the corner of sections 25, 30, 31 and 36, T. 8 S., Rs. 14 and 15 E., Umat Meridian;

Thence easterly, between sections 30 and 31, approximately 1 mile to the corner of sections 29, 30, 31 and 32, T. 8 S., R. 15 E., Umat Meridian;

Thence northerly, between sections 29 and 30, approximately 1 mile to the corner of sections 19, 20, 29 and 30, T. 8 S., R. 15 E., Umat Meridian;

Thence easterly, between sections 20 and 29, approximately 1 mile to the corner of sections 20, 21, 28 and 29, T. 8 S., R. 15 E., Umat Meridian;

Thence northerly, between sections 20 and 21, approximately 1 mile to the corner of sections 16, 17, 20 and 21, T. 8 S., R. 15 E., Umat Meridian;

Thence easterly, between sections 16 and 21, approximately 1 mile to the corner of sections 15, 16, 21 and 22, T. 8 S., R. 15 E., Umat Meridian;

Thence northerly, between sections 15 and 16, approximately 1 mile to the corner of sections 9, 10, 15 and 16, T. 8 S., R. 15 E., Umat Meridian;

Thence easterly, between sections 10 and 15, approximately 1 mile to the corner of sections 10, 11, 14 and 15, T. 8 S., R. 15 E., Umat Meridian;

Thence northerly, between sections 10 and 11, approximately 1 mile to the corner of sections 2, 3, 10 and 11, T. 8 S., R. 15 E., Umat Meridian;

Thence easterly, between sections 2 and 11, approximately 1 mile to the corner of sections 1, 2, 11 and 12, T. 8 S., R. 15 E., Umat Meridian;

Thence northerly, between sections 1 and 2, approximately 1 mile to the corner of sections 1, 2, 35 and 36, Tps. 7 and 8 S., R. 15 E., Umat Meridian;

Thence easterly, between Tps. 7 and 8 S., approximately 1 mile to the corner of Tps. 7 and 8 S., Rs. 15 and 16 E., Umat Meridian;

Thence easterly, along the line of extreme low water of the Arctic Ocean, including all offshore bars, reefs, and islands, to the intersection of the International Boundary line between Alaska and the Yukon Territory, Canada, in the vicinity of Monument 1 of said International Boundary line;

Thence southerly, along the International Boundary, approximately 115 miles to the closing corner of section 3, T. 17 S., R. 43 E., Uniat Meridian and section 26, T. 37 N., R. 29 E., Fairbanks Meridian;

Thence westerly, between the Fairbanks and Uniat Meridians, approximately 58 1/2 miles to the left bank of the Greenjek River located between section 1, T. 17 S., R. 38 E., Uniat Meridian and section 30, T. 37 N., R. 20 E., Fairbanks Meridian;

Thence southwesterly, along the left bank of the Greenjek River, approximately 2 miles to a point opposite the mouth of Monument Creek in section 5, T. 36 N., R. 20 E., Fairbanks Meridian;

Thence westerly, across the Greenjek River, to the right bank of Monument Creek located in section 5, T. 36 N., R. 20 E., Fairbanks Meridian;

Thence northwesterly along the right bank of Monument Creek, approximately 16 1/2 miles to a point opposite a north fork of Monument Creek in section 9, T. 16 S., R. 36 E., Uniat Meridian;

Thence northerly, along the right bank of the north fork of Monument Creek, approximately 12 miles to the intersection of the line between Rs. 35 and 36 E., T. 14 S., Rs. 35 and 36 E., Uniat Meridian;

Thence southerly, between Rs. 35 and 36 E., approximately 13 1/2 miles to the closing corner of T. 17 S., Rs. 35 and 36 E., Uniat Meridian;

Thence westerly, between the Fairbanks and Uniat Meridians, approximately 3/4 mile to the corner of T. 37 N., Rs. 16 and 17 E., Fairbanks Meridian;

Thence southerly, between Rs. 16 and 17 E., approximately 1 1/4 miles to the standard corner of T. 37 N., Rs. 16 and 17 E., Fairbanks Meridian;

Thence westerly, on the Ninth Standard Parallel North, approximately 1 1/2 miles to the closing corner of T. 36 N., Rs. 16 and 17 E., Fairbanks Meridian;

Thence southerly, between Rs. 16 and 17 E., approximately 2 1/4 miles to the standard corner of T. 33 N., Rs. 16 and 17 E., Fairbanks Meridian;

Thence easterly, on the Eighth Standard Parallel North, approximately 79 1/4 miles to the closing corner of Tps. 32 and 33 N., R. 30 E., Fairbanks Meridian, on the International Boundary between Canada and the United States of America;

Thence southerly, along the International Boundary, approximately 51 3/4 miles to Monument Number 63, located at the summit of a ridge in section 21, T. 24 N., R. 31 E., Fairbanks Meridian, approximate elevation 3,472 feet;

Thence westerly, southwesterly and northwesterly, along the crest of the divide between the Salmon Trout River, Fort Creek, Tettnajik Creek and Kevinjik Creek drainages, approximately 44 miles to a point on the south boundary of section 35, T. 25 N., R. 27 E., Fairbanks Meridian;

Thence westerly, on the Sixth Standard Parallel North, approximately 6 1/2 miles to the closing corner of T. 24 N., Rs. 26 and 27 E., Fairbanks Meridian;

Thence southerly, between Rs. 26 and 27 E., approximately 2 miles to the corner of sections 7, 12, 13 and 18, T. 24 N., Rs. 26 and 27 E., Fairbanks Meridian;

*Thence westerly, between sections 12 and 13, 11 and 14, 10 and 15, 9 and 16, 8 and 17, approximately 5 miles to the corner of sections 7, 8, 17 and 18, T. 24 N., R. 26 E., Fairbanks Meridian;

*Thence southerly, between sections 17 and 18, 19 and 20, 29 and 30, 31 and 32, approximately 4 miles to the corner of sections 5, 6, 31 and 32, Tps. 23 and 24 N., R. 26 E., Fairbanks Meridian;

*Thence westerly, between Tps. 23 and 24 N., approximately 1 mile to the corner of Tps. 23 and 24 N., Rs. 25 and 26 E., Fairbanks Meridian;

Thence southerly, between Rs. 25 and 26 E., approximately 3 miles to the corner of sections 13, 18, 19 and 24, T. 23 N., Rs. 25 and 26 E., Fairbanks Meridian;

Thence westerly, between sections 13 and 24, 14 and 23, 15 and 22, 16 and 21, approximately 4 miles to the corner of sections 16, 17, 20 and 21, T. 23 N., R. 25 E., Fairbanks Meridian;

Thence southerly, between sections 20 and 21, approximately 1 mile to the corner of sections 20, 21, 28 and 29, T. 23 N., R. 25 E., Fairbanks Meridian;

Thence westerly, between sections 20 and 29, 19 and 30, approximately 2 miles to the corner of sections 19, 24, 25 and 30, T. 23 N., Rs. 24 and 25 E., Fairbanks Meridian;

Thence southerly, between Rs. 24 and 25 E., approximately 1 mile to the corner of sections 25, 30, 31 and 36, T. 23 N., Rs. 24 and 25 E., Fairbanks Meridian;

Thence westerly, between sections 25 and 36, 26 and 35, 27 and 34, 28 and 33, 29 and 32, approximately 5 miles to the corner of sections 29, 30, 31 and 32, T. 23 N., R. 24 E., Fairbanks Meridian;

Thence easterly, along the Sixth Standard Parallel North, approximately 3/4 mile to the standard corner of sections 33 and 34, T. 25 N., R. 22 E., Fairbanks Meridian;

Thence northerly, between sections 33 and 34, 27 and 28, 21 and 22, 15 and 16, 9 and 10, 3 and 4, 33 and 34, 27 and 28, approximately 8 miles to the corner of sections 21, 22, 27 and 28, T. 26 N., R. 22 E., Fairbanks Meridian;

Thence westerly, between sections 21 and 28, approximately 1 mile to the corner of sections 20, 21, 26 and 29, T. 26 N., R. 22 E., Fairbanks Meridian; Thence northerly, between sections 20 and 21, 16 and 17, 8 and 9, 4 and 5, approximately 4 miles to the corner of sections 4, 5, 32 and 33, Tps. 26 and 27 N., R. 22 E., Fairbanks Meridian;

Thence westerly, between Tps. 26 and 27 N., Rs. 21 and 22 E., Fairbanks Meridian; corner of Tps. 26 and 27 N., Rs. 21 and 22 E., Fairbanks Meridian;

Thence northerly, between Rs. 21 and 22 E., approximately 6 miles to the corner of Tps. 27 and 28 N., Rs. 21 and 22 E., Fairbanks Meridian;

Thence westerly, between Tps. 27 and 28 N., approximately 6 miles to the corner of Tps. 27 and 28 N., Rs. 20 and 21 E., Fairbanks Meridian;

Thence northerly, between Rs. 20 and 21 E., approximately 6 miles to the closing corner of T. 28 N., Rs. 20 and 21 E., Fairbanks Meridian;

Thence westerly, along the Seventh Standard Parallel North, approximately 4 1/2 miles to the standard corner of T. 29 N., Rs. 19 and 20 E., Fairbanks Meridian;

Thence northerly, between Rs. 19 and 20 E., approximately 12 miles to the corner of Tps. 30 and 31 N., Rs. 19 and 20 E., Fairbanks Meridian;

Thence westerly, between Tps. 30 and 31 N., approximately 27 miles to the corner of sections 3, 4, 33 and 34, Tps. 30 and 31 N., R. 15 E., Fairbanks Meridian;

Thence southerly, between sections 3 and 4, 9 and 10, approximately 2 miles to the corner of sections 9, 10, 15 and 16, T. 30 N., R. 15 E., Fairbanks Meridian;

Thence westerly, between sections 9 and 16, 8 and 17, 7 and 18, 12 and 13, 11 and 14, approximately 5 miles to the corner of sections 10, 11, 14 and 15, T. 30 N., R. 14 E., Fairbanks Meridian;

Thence southerly, between sections 14 and 15, approximately 1 mile to the corner of sections 14, 15, 22 and 23, T. 30 N., R. 14 E., Fairbanks Meridian;

[+Note: The USGS base map for this area (Coleen quad) inaccurately depicts the range numbers at the bottom of the sheet. Beginning in the lower left-hand corner, the range numbers should be increased by 1: thus R. 16 E. should be R. 17 E., etc.]

Thence northerly, between sections 29 and 30, approximately 1 mile to the corner of sections 19, 20, 29 and 30, T. 23 N., R. 24 E., Fairbanks Meridian;

Thence westerly, between sections 19 and 30, 24 and 25, 23 and 26, approximately 3 miles to the corner of sections 22, 23, 26 and 27, T. 23 N., R. 23 E., Fairbanks Meridian;

Thence northerly, between sections 22 and 23, 14 and 15, 10 and 11, 2 and 3, approximately 4 miles to the corner of sections 2, 3, 34 and 35, Tps. 23 and 24 N., R. 23 E., Fairbanks Meridian;

Thence westerly, between Tps. 23 and 24 N., approximately 6 miles to the corner of sections 2, 3, 34 and 35, Tps. 23 and 24 N., R. 22 E., Fairbanks Meridian;

Thence southerly, between sections 2 and 3, 10 and 11, 14 and 15, approximately 3 miles to the corner of sections 14, 15, 22 and 23, T. 23 N., R. 22 E., Fairbanks Meridian;

Thence westerly, between sections 15 and 22, 16 and 21, 17 and 20, 18 and 19, approximately 4 miles to the corner of sections 13, 18, 19 and 24, T. 23 N., Rs. 21 and 22 E., Fairbanks Meridian;

Thence northerly, between Rs. 21 and 22 E., approximately 3 miles to the corner of Tps. 23 and 24 N., Rs. 21 and 22 E., Fairbanks Meridian;

Thence westerly, between Tps. 23 and 24 N., approximately 1 mile to the corner of sections 1, 2, 35 and 36, Tps. 23 and 24 N., R. 21 E., Fairbanks Meridian;

Thence northerly, between sections 35 and 36, 25 and 26, 23 and 24, approximately 3 miles to the corner of sections 13, 14, 23 and 24, T. 24 N., R. 21 E., Fairbanks Meridian;

Thence easterly, between sections 13 and 24, 18 and 19, 17 and 20, approximately 3 miles to the corner of sections 16, 17, 20 and 21, T. 24 N., R. 22 E., Fairbanks Meridian;

Thence northerly, between sections 16 and 17, approximately 1 mile to the corner of sections 8, 9, 16 and 17, T. 24 N., R. 22 E., Fairbanks Meridian;

Thence easterly, between sections 9 and 16, 10 and 15, approximately 2 miles to the corner of sections 10, 11, 14 and 15, T. 24 N., R. 22 E., Fairbanks Meridian;

Thence northerly, between sections 10 and 11, 2 and 3, approximately 2 miles to the closing corner of sections 2 and 3, T. 24 N., R. 22 E., Fairbanks Meridian;

UNITS OF THE NATIONAL WILDERNESS PRESERVATION SYSTEM
WITHIN THE ARCTIC NATIONAL WILDLIFE REFUGE:

Section 702 (3):

"Arctic Wildlife Refuge Wilderness of approximately eight million acres as generally depicted on a map entitled "Arctic National Wildlife Refuge" dated August 1980;"

The Arctic Wildlife Refuge Wilderness consists of the public lands, as defined by the ANILCA, within the following boundary:

Beginning at the intersection of the International Boundary between Alaska and the Yukon Territory, Canada, with the line of extreme low water of the Arctic Ocean in the vicinity of Monument Number 1 of said International Boundary line;

Thence southerly, along the International Boundary, approximately 101½ miles to a point on the right bank of the Silwaddy Creek located in section 34, T. 14 S., R. 48 E., Utiat Meridian;

Thence westerly, along the right bank of Silwaddy Creek to the saddle between its headwater and those of an unnamed tributary of Coleen River, approximately 18 miles to a point in southwesterly portion of section 13, T. 14 S., R. 45 E., Utiat Meridian;

Thence southwesterly, across the saddle to a point on the headwaters of a tributary stream of the Coleen River in section 13, T. 14 S., R. 45 E., Utiat Meridian;

Thence westerly, along the left bank of the tributary stream of the Coleen River to its intersection with the Coleen River, approximately 11 miles to a point in section 10, T. 15 S., R. 44 E., Utiat Meridian;

Thence across and northwesterly, along the right bank of the Coleen River to an intersection of an unnamed tributary, approximately 8 miles to a point in section 10, T. 14 S., R. 43 E., Utiat Meridian;

*Thence westerly, along the right bank of the unnamed tributary of the Coleen River to the crest of the saddle between its headwaters and the headwaters of an unnamed tributary of Eskimo Creek, approximately 11 miles to a point in the southwesterly portion of section 11, T. 14 S., R. 41 E., Utiat Meridian;

*Thence southwesterly, across the saddle to a point on the headwaters of an unnamed tributary of Eskimo Creek in section 15, T. 14 S., R. 41 E., Utiat Meridian;

Thence westerly, between sections 15 and 22, approximately 1 mile to the corner of sections 15, 16, 21 and 22, T. 30 N., R. 14 E., Fairbanks Meridian;

Thence southerly, between sections 21 and 22, approximately 1 mile to the corner of sections 21, 22, 27 and 28, T. 30 N., R. 14 E., Fairbanks Meridian;

Thence westerly, between sections 21 and 28, 20 and 29, 19 and 30, approximately 3 miles to the corner of sections 19, 24, 25 and 30, T. 30 N., R. 13 and 14 E., Fairbanks Meridian;

Thence northerly, between Rs. 13 and 14 E., approximately 2 miles to the corner of sections 7, 12, 13 and 18, T. 30 N., R. 13 and 14 E., Fairbanks Meridian;

Thence westerly, between sections 12 and 13, 11 and 14, approximately 2 miles to the corner of sections 10, 11, 14 and 15, T. 30 N., R. 13 E., Fairbanks Meridian;

Thence northerly, between sections 10 and 11, approximately 1 mile to the corner of sections 2, 3, 10 and 11, T. 30 N., R. 13 E., Fairbanks Meridian;

Thence westerly, between sections 3 and 10, 4 and 9, 5 and 8, 6 and 7, approximately 4 miles to the corner of sections 1, 6, 7 and 12, T. 30 N., R. 12 and 13 E., Fairbanks Meridian;

Thence southerly, between Rs. 12 and 13 E., approximately 3 miles to the corner of sections 19, 24, 25 and 30, T. 30 N., R. 12 and 13 E., Fairbanks Meridian;

Thence westerly, between sections 24 and 25, 23 and 26, 22 and 27, 21 and 28, approximately 4 miles to the corner of sections 20, 21, 28 and 29, T. 30 N., R. 12 E., Fairbanks Meridian;

Thence southerly, between sections 28 and 29, approximately 1 mile to the corner of sections 28, 29, 32 and 33, T. 30 N., R. 12 E., Fairbanks Meridian;

Thence westerly, between sections 29 and 32, approximately 1 mile to the corner of sections 29, 30, 31 and 32, T. 30 N., R. 12 E., Fairbanks Meridian;

Thence southerly, between sections 31 and 32, approximately 1 mile to the corner of sections 5, 6, 31 and 32, Tps. 29 and 30 N., R. 12 E., Fairbanks Meridian;

Thence westerly, between Tps. 29 and 30 N., approximately 1 1/4 miles to a point on the easterly boundary of the Venetie Indian Reservation between sections 1 and 36, Tps. 29 and 30 N., R. 11 E., Fairbanks Meridian;

Thence northeasterly, northwesterly, easterly, northerly and southwesterly, along the easterly and northwesterly boundary of the Venetie Indian Reservation as surveyed and platted in U.S. Survey No. 5220, Alaska, dated April 26, 1978, approximately 162 miles to a point between sections 31 and 36, T. 29 N., R. 3 and 4 E., Fairbanks Meridian, the place of beginning.

Thence northerly, along the left bank of an unnamed tributary of the Canning River, approximately 10 miles to its junction with the Canning River, in the southeasterly portion of T. 5 S., R. 28 E., Utiat Meridian;

Thence westerly and northerly, along the line of mean high water of the left bank of the Canning River, approximately 65 miles to the meander corner of section 35 on the First Standard Parallel North, T. 5 N., R. 23 E., Utiat Meridian;

Thence easterly, along the First Standard Parallel North, approximately 40 3/4 miles to the closing corner of T. 4 N., R. 30 and 31 E., Utiat Meridian;

Thence southerly, between Rs. 30 and 31 E., approximately 6 miles to the corner of Tps. 3 and 4 N., R. 30 and 31 E., Utiat Meridian;

Thence easterly, between Tps. 3 and 4 N., approximately 18 miles to the corner of Tps. 3 and 4 N., R. 33 and 34 E., Utiat Meridian;

Thence southerly, between Rs. 33 and 34 E., approximately 6 miles to the corner of Tps. 2 and 3 N., R. 33 and 34 E., Utiat Meridian;

Thence easterly, between Tps. 2 and 3 N., approximately 21 miles to the meander corner of sections 4 and 33, on the left bank of the Aichilik River, Tps. 2 and 3 N., R. 37 E., Utiat Meridian;

Thence northeasterly, along the line of mean high water on the left bank of the Aichilik River, approximately 32 miles to a point at the line of mean high tide of the Seafort Lagoon, located in section 28, T. 6 N., R. 40 E., Utiat Meridian;

Thence on an approximate forward bearing of N. 65° E., approximately 7,600 feet to a point on the northerly boundary of the Arctic National Wildlife Refuge located in section 22, T. 6 N., R. 40 E., Utiat Meridian, at the line of extreme low tide;

Thence southeasterly, along the northerly boundary of the Arctic National Wildlife Refuge at the line of extreme low tide on the seaward side of all offshore bars, reefs and islands, approximately 32 miles to the International Boundary between Canada and the United States of America, the place of beginning.

UNITS OF THE NATIONAL WILD AND SCENIC RIVERS SYSTEM
WITHIN THE ARCTIC NATIONAL WILDLIFE REFUGE:

Section 602:

Tivishak, Alaska.—That portion from its source, including all headwaters and an unnamed tributary from Porcupine Lake within the

Thence westerly, along the left bank of the unnamed tributary of Eskimo to its junction with Eskimo Creek, approximately 8 miles to a point in section 3, T. 15 S., R. 40 E., Utiat Meridian;

Thence southeasterly, along the left bank of Eskimo Creek to its junction with the Sheenjek River, approximately 10 miles to a point in section 4, T. 16 S., R. 39 E., Utiat Meridian;

Thence southerly, along the left bank of the Sheenjek River, approximately 8 1/2 miles to a point opposite the mouth of Monument Creek, in section 5, T. 36 N., R. 20 E., Fairbanks Meridian;

Thence westerly, across the Sheenjek River to the right bank of Monument Creek located in section 5, T. 36 N., R. 20 E., Fairbanks Meridian;

Thence northwesterly, along the right bank of Monument Creek, approximately 16 1/2 miles to a point opposite a north fork of Monument Creek in section 9, T. 16 S., R. 36 E., Utiat Meridian;

Thence northerly, along the right bank of the north fork of Monument Creek, approximately 26 miles to the point where said creek intersects a straight line projected from Brushman Mountain to Index Mountain;

Thence northeasterly, along this straight line approximately 8 1/2 miles to its intersection with the right bank of Old Woman Creek;

Thence northerly, along the right bank of Old Woman Creek, approximately 12 1/2 miles to a point opposite an unnamed tributary in section 12, T. 11 S., R. 33 E., Utiat Meridian;

Thence northeasterly and northwesterly, along the right bank of the unnamed tributary of Old Woman Creek, approximately 15 miles to the crest of a mountain at the head of a branch of Old Woman Creek whose elevation is approximately 7,110 feet in the northwesterly portion of T. 9 S., R. 34 E., Utiat Meridian;

Thence northwesterly and southeasterly, along the left banks of an unnamed tributary to the Chaudalar River and the Chaudalar River, approximately 18 miles to a point opposite the right bank of Red Sheep Creek, in the northwesterly portion of T. 9 S., R. 31 E., Utiat Meridian;

Thence northwesterly, along the right bank of Red Sheep Creek and the right bank of one of its northern tributaries, approximately 18 miles to its source at the crest of an unnamed mountain whose elevation is approximately 7,900 feet, in the southeasterly portion of T. 6 S., R. 29 E., Utiat Meridian;

Thence northwesterly, across the crest of an unnamed mountain whose elevation is approximately 7,900 feet, to the head of an unnamed tributary of the Canning River, in the southerly portion of T. 6 S., R. 29 E., Utiat Meridian;

The following USGS quadrangle maps were used to prepare the legal description for the Arctic National Wildlife Refuge:

Scale of Map	Name and Date
1:250,000*	Demarcation Point 1955
1:63,360*	Demarcation Point (B-1) 1956; (C-1), (C-3), (C-4), (C-5), (D-2), (D-3) 1955.
1:250,000*	Mt. Michelson 1956.
1:63,360*	Mt. Michelson (B-5) 1971; (C-1), (C-2) 1955; (C-3) 1955 mr 1975; (C-4), (D-1) (D-2), (D-4) 1955.
1:63,360	Barter Island (A-3), (A-4), (A-5) 1955.
1:63,360	Flaxman Island (A-1) 1955 mr 1977; (A-3), (A-4) 1955.
1:250,000*	Arctic 1956 mr 1966.
1:63,360	Arctic (A-1), (A-2), (A-3), (A-4) 1972.
1:63,360	Sagavanirktok (A-1), (A-2) 1971; (A-3) 1971 pr 1975; (B-1) 1971.
1:63,360	Phillip Smith Mountains (A-2), (A-3) 1971; (A-4) 1971 pr 1975; (B-3) 1971; (B-4) 1971 pr 1975; (C-3) 1971; (C-4) 1971 pr 1975; (D-3) 1971.
1:250,000	Chandalar 1956 mr 1966.
1:250,000	Christian (D-1) 1973.
1:63,360	Coleen 1956 mr 1965.
1:250,000*	Coleen (A-1) 1956 mr 1973; (A-4), (A-5) 1956 mr 1965; (B-1) 1956 mr 1963; (D-5), (D-6) 1972.
1:63,360*	Black River (C-1) 1956; (D-1) 1956 mr 1970; (D-2) 1956; (D-3), (D-4), (D-5) 1956 mr 1973.
1:63,360	Table Mountain 1956 mr 1972.
1:250,000*	Table Mountain (A-1), (A-2), (A-3), (A-4), (A-5), (B-1) 1972.

boundary of the Arctic National Wildlife Range [sic]; to be administered by the Secretary of the Interior."

"Shenjek, Alaska.—The segment within the Arctic National Wildlife Refuge; to be administered by the Secretary of the Interior."

"Wind, Alaska.—That portion from its source, including all headwaters and one unnamed tributary in township 13 south, within the boundaries of the Arctic National Wildlife Refuge; to be administered by the Secretary of the Interior."

NOTE: The boundaries of designated wild river corridors will be determined during the comprehensive conservation planning process for the Arctic National Wildlife Refuge and will be published upon completion of that plan (due by December 1985).

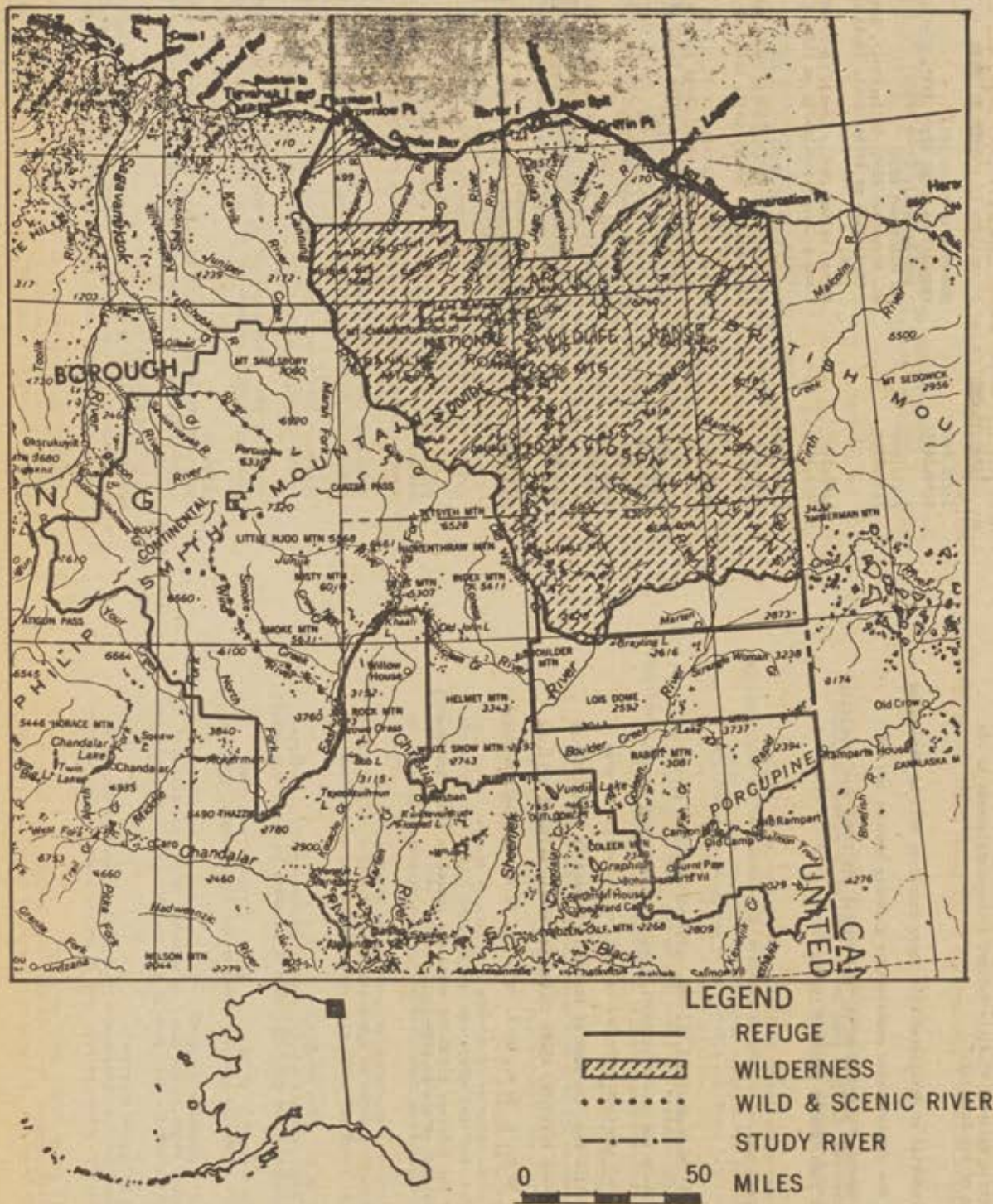
Designated Study River:

Section 604 (a): Porcupine, Alaska. The corridor withdrawn during the course of the study and consideration by Congress consists of those public lands which constitute the bed or bank, or are within an area extending two miles from the bank of the river channel on both sides of that portion of the Porcupine River inside the Arctic National Wildlife Refuge from T. 30 N., R. 30 W., to T. 25 N., R. 22 E., Fairbanks Meridian.

*Department of the Interior 1:250,000 scale map issued in 1981, incorrectly depicts this portion of the description.

ARCTIC NATIONAL WILDLIFE REFUGE

PUBLIC LAW 96-487



Section 302 (2):

"The Becharof National Wildlife Refuge shall consist of the approximately one million two hundred thousand acres of public lands generally depicted on the map entitled 'Becharof National Wildlife Refuge', dated July 1980."

The Becharof National Wildlife Refuge consists of the public lands, as defined by the ANILCA, within the following boundary:

Beginning at a point at the line of mean high tide of Shelikof Strait, located approximately N. 45° E., 200 feet from the meander corner of sections 1 and 12, T. 32 S., R. 42 W., Seward Meridian;

Thence northwesterly, northerly and northwesterly, along the crest of a ridge, approximately 13 1/4 miles to the summit of a mountain located in the southerly portion of section 35, T. 30 S., R. 43 W., Seward Meridian, approximate elevation 2,445 feet;

Thence on an approximate forward bearing of N. 54° W., approximately 6 1/4 miles to the summit of Mt. Upashik located in section 6, T. 30 S., R. 43 W., Seward Meridian, approximate elevation 2,230 feet;

Thence on an approximate forward bearing of N. 50° E., approximately 3 3/4 miles to the summit of Mt. Lee located in section 22, T. 29 S., R. 43 W., Seward Meridian, approximate elevation 2,650 feet;

Thence due West, approximately 1/4 mile to a point between sections 21 and 22, T. 29 S., R. 43 W., Seward Meridian;

Thence northerly, between sections 21 and 22, approximately 3/4 mile to the corner of sections 15, 16, 21 and 22, T. 29 S., R. 43 W., Seward Meridian;

Thence westerly, between sections 16 and 21, approximately 1 mile to the corner of sections 16, 17, 20 and 21, T. 29 S., R. 43 W., Seward Meridian;

Thence northerly, between sections 16 and 17, approximately 1 mile to the corner of sections 8, 9, 16 and 17, T. 29 S., R. 43 W., Seward Meridian;

Thence westerly, between sections 8 and 17, approximately 1 mile to the corner of sections 7, 8, 17 and 18, T. 29 S., R. 43 W., Seward Meridian;

Thence northerly, between sections 7 and 8, approximately 1 mile to the corner of sections 5, 6, 7 and 8, T. 29 S., R. 43 W., Seward Meridian;

Thence westerly, between sections 6 and 7, approximately 1 mile to the corner of sections 1, 6, 7 and 12, T. 29 S., R. 43 and 44 W., Seward Meridian;

Thence northerly, between Rs. 43 and 44 W., approximately 1 mile to the closing corner of T. 29 S., Rs. 43 and 44 W., Seward Meridian;

Thence westerly, on the Seventh Standard Parallel South, approximately 2,200 feet to the standard corner of sections 32 and 33, T. 28 S., R. 43 W., Seward Meridian;

Thence northerly, between sections 32 and 33, T. 28 S., R. 43 W., Seward Meridian; corner of sections 28, 29, 32 and 33, T. 28 S., R. 43 W., Seward Meridian;

Thence westerly, between sections 29 and 32, approximately 1 mile to the corner of sections 29, 30, 31 and 32, T. 28 S., R. 43 W., Seward Meridian;

Thence northerly, between sections 29 and 30, 19 and 20, approximately 2 miles to the corner of sections 17, 18, 19 and 20, T. 28 S., R. 43 W., Seward Meridian;

Thence westerly, between sections 18 and 19, 13 and 24, approximately 2 miles to the corner of sections 13, 14, 23 and 24, T. 28 S., R. 44 W., Seward Meridian;

Thence northerly, between sections 13 and 14, approximately 1 mile to the corner of sections 11, 12, 13 and 14, T. 28 S., R. 44 W., Seward Meridian;

Thence westerly, between sections 11 and 14, 10 and 15, approximately 2 miles to the corner of sections 9, 10, 15 and 16, T. 28 S., R. 44 W., Seward Meridian;

Thence northerly, between sections 9 and 10, approximately 1 mile to the corner of sections 3, 4, 9 and 10, T. 28 S., R. 44 W., Seward Meridian;

Thence westerly, between sections 4 and 9, 5 and 8, 6 and 7, approximately 3 miles to the corner of sections 1, 6, 7 and 12, T. 28 S., Rs. 44 and 45 W., Seward Meridian;

Thence northerly, between Rs. 44 and 45 W., approximately 1 mile to the corner of Tps. 27 and 28 S., Rs. 44 and 45 W., Seward Meridian;

Thence westerly, between Tps. 27 and 28 S., approximately 3 miles to the corner of sections 3, 4, 33 and 34, Tps. 27 and 28 S., R. 45 W., Seward Meridian;

Thence northerly, between sections 33 and 34, approximately 1 mile to the corner of sections 27, 28, 33 and 34, T. 27 S., R. 45 W., Seward Meridian;

Thence westerly, between sections 28 and 33, approximately 1 mile to the corner of sections 28, 29, 32 and 33, T. 27 S., R. 45 W., Seward Meridian;

Thence northerly, between sections 28 and 29, 20 and 21, approximately 2 miles to the corner of sections 16, 17, 20 and 21, T. 27 S., R. 45 W., Seward Meridian;

Thence westerly, between sections 17 and 20, 18 and 19, approximately 2 miles to the corner of sections 13, 18, 19 and 24, T. 27 S., R. 45 and 46 W., Seward Meridian;

Thence northerly, between Rs. 45 and 46 W., approximately 1 mile to the corner of sections 7, 12, 13 and 18, T. 27 S., R. 45 and 46 W., Seward Meridian;

Thence westerly, between sections 12 and 13, approximately 1 mile to the corner of sections 11, 12, 13 and 14, T. 27 S., R. 46 W., Seward Meridian;

Thence northerly, between sections 11 and 12, approximately 1/2 mile to the 1/4 section corner of sections 11 and 12, T. 27 S., R. 46 W., Seward Meridian;

Thence westerly, on the east and west centerline of section 11, approximately 1/2 mile to the center 1/4 section corner of section 11, T. 27 S., R. 46 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 11, approximately 1/2 mile to the 1/4 section corner of sections 2 and 11, T. 27 S., R. 46 W., Seward Meridian;

Thence westerly, between sections 2 and 11, approximately 1/2 mile to the corner of sections 2, 3, 10 and 11, T. 27 S., R. 46 W., Seward Meridian;

Thence northerly, between sections 2 and 3, approximately 1 mile to the corner of sections 2, 3, 34 and 35, Tps. 26 and 27 S., R. 46 W., Seward Meridian;

Thence westerly, between Tps. 26 and 27 S., approximately 1 mile to the corner of sections 3, 4, 33 and 34, Tps. 26 and 27 S., R. 46 W., Seward Meridian;

Thence northerly, between sections 33 and 34, approximately 1 mile to the corner of sections 27, 28, 33 and 34, T. 26 S., R. 46 W., Seward Meridian;

Thence westerly, between sections 28 and 33, approximately 1 mile to the corner of sections 28, 29, 32 and 33, T. 26 S., R. 46 W., Seward Meridian;

Thence northerly, between sections 28 and 29, approximately 1/2 mile to the 1/4 section corner of sections 28 and 29, T. 26 S., R. 46 W., Seward Meridian;

Thence westerly, on the east and west centerline of section 29, approximately 1/2 mile to the center 1/4 section corner of section 29, T. 26 S., R. 46 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 29, approximately 1/2 mile to the 1/4 section corner of sections 20 and 29, T. 26 S., R. 46 W., Seward Meridian;

Thence westerly, between sections 20 and 29, approximately 1/2 mile to the corner of sections 19, 20, 29 and 30, T. 26 S., R. 46 W., Seward Meridian;

Thence northerly, between sections 19 and 20, approximately 1 mile to the corner of sections 17, 18, 19 and 20, T. 26 S., R. 46 W., Seward Meridian;

Thence westerly, between sections 18 and 19, approximately 1 mile to the corner of sections 13, 18, 19 and 24, T. 26 S., R. 46 and 47 W., Seward Meridian;

Thence northerly, between Rs. 46 and 47 W., approximately 8 miles to the closing corner of sections 7 and 12, T. 25 S., R. 46 and 47 W., Seward Meridian;

Thence easterly, on the Sixth Standard Parallel South, approximately 1,900 feet to the standard corner of T. 24 S., R. 46 and 47 W., Seward Meridian;

Thence northerly, between Rs. 46 and 47 W., approximately 18 miles to the corner of Tps. 21 and 22 S., R. 46 and 47 W., Seward Meridian;

Thence easterly, between Tps. 21 and 22 S., approximately 6 miles to the corner of Tps. 21 and 22 S., R. 45 and 46 W., Seward Meridian;

Thence northerly, between Rs. 45 and 46 W., approximately 6 miles to the closing corner of T. 21 S., R. 45 and 46 W., Seward Meridian;

Thence easterly, on the Fifth Standard Parallel South, approximately 1,900 feet to the standard corner of sections 33 and 34, T. 20 S., R. 45 W., Seward Meridian;

Thence northerly, between sections 33 and 34, 27 and 28, 21 and 15 and 16, 9 and 10, 3 and 4, approximately 5 miles to the meander corner of sections 3 and 4, T. 20 S., R. 45 W., Seward Meridian, at the line of mean high water of an unnamed lake;

Thence northerly, along the line of mean high water of the unnamed lake, approximately 1 mile to the meander corner of sections 3 and 4, T. 20 S., R. 45 W., Seward Meridian;

Thence northerly, between sections 9 and 10, approximately 1/2 mile to the 1/4 section corner of sections 9 and 10, T. 19 S., R. 44 W., Seward Meridian;

Thence easterly, on the east and west centerline of section 10, approximately 1/2 mile to the center 1/4 section corner of section 10, T. 19 S., R. 44 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 10, approximately 1/2 mile to the 1/4 section corner of sections 3 and 10, T. 19 S., R. 44 W., Seward Meridian;

Thence easterly, between sections 3 and 10, 2 and 11, approximately 1 1/2 miles to the corner of sections 1, 2, 11 and 12, T. 19 S., R. 44 W., Seward Meridian;

Thence northerly, between sections 1 and 2, approximately 1 mile to the corner of sections 1, 2, 35 and 36, Tps. 18 and 19 S., R. 44 W., Seward Meridian;

Thence easterly, between Tps. 18 and 19 S., approximately 1 mile to the corner of Tps. 18 and 19 S., Rs. 43 and 44 W., Seward Meridian;

Thence southerly, between Rs. 43 and 44 W., approximately 1/2 mile to the 1/4 section corner of sections 1 and 6, T. 19 S., Rs. 43 and 44 W., Seward Meridian;

Thence on an approximate forward bearing of S. 89° E., approximately 9 3/4 miles to the vertical angle bench mark "Contact" located in section 4, T. 19 S., R. 42 W., Seward Meridian, approximate elevation 1,156 feet;

Thence on an approximate forward bearing of S. 18° W., approximately 4 3/4 miles to the summit of a mountain located in the southwesterly portion of section 29, T. 19 S., R. 42 W., Seward Meridian, approximate elevation 1,125 feet;

Thence on an approximate forward bearing of S. 2° W., approximately 8 miles to vertical angle bench mark "Granite" located in section 11, T. 21 S., R. 43 W., Seward Meridian, approximate elevation 1,683 feet;

Thence on an approximate forward bearing of S. 30° E., approximately 13 1/4 miles to vertical angle bench mark horizontal control station "red" located in the southeasterly portion of section 2, T. 23 S., R. 42 W., Seward Meridian, approximate elevation 1,721 feet;

Thence on an approximate forward bearing of S. 40° E., approximately 3 3/4 miles to vertical angle bench mark horizontal control station "vert" located in the southwesterly portion of section 20, T. 23 S., R. 41 W., Seward Meridian, approximate elevation 1,141 feet;

Thence northerly, between sections 3 and 4, approximately 700 feet to the corner of sections 3, 4, 33 and 34, Tps. 19 and 20 S., R. 45 W., Seward Meridian;

Thence easterly, between Tps. 19 and 20 S., approximately 1 mile to the corner of sections 2, 3, 34 and 35, Tps. 19 and 20 S., R. 45 W., Seward Meridian;

Thence northerly, between sections 34 and 35, approximately 1 mile to the corner of sections 26, 27, 34 and 35, T. 19 S., R. 45 W., Seward Meridian;

Thence easterly, between sections 26 and 35, approximately 1 mile to the corner of sections 25, 26, 35 and 36, T. 19 S., R. 45 W., Seward Meridian;

Thence northerly, between sections 25 and 26, approximately 1 mile to the corner of sections 23, 24, 25 and 26, T. 19 S., R. 45 W., Seward Meridian;

Thence easterly, between sections 24 and 25, approximately 1/2 mile to the 1/4 section corner of sections 24 and 25, T. 19 S., R. 45 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 24, approximately 1/2 mile to the center 1/4 section corner of section 24, T. 19 S., R. 45 W., Seward Meridian;

Thence easterly, on the east and west centerline of section 24, approximately 1/2 mile to the 1/4 section corner of sections 19 and 24, T. 19 S., Rs. 44 and 45 W., Seward Meridian;

Thence northerly, between Rs. 44 and 45 W., approximately 1/2 mile to the corner of sections 13, 18, 19 and 24, T. 19 S., Rs. 44 and 45 W., Seward Meridian;

Thence easterly, between sections 18 and 19, approximately 1/2 mile to the 1/4 section corner of sections 18 and 19, T. 19 S., R. 44 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 18, approximately 1/2 mile to the center 1/4 section corner of section 18, T. 19 S., R. 44 W., Seward Meridian;

Thence easterly, on the east and west centerlines of sections 18 and 17, approximately 1 mile to the center 1/4 section corner of section 17, T. 19 S., R. 44 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 17, approximately 1/2 mile to the 1/4 section corner of sections 8 and 17, T. 19 S., R. 44 W., Seward Meridian;

Thence easterly, between sections 8 and 17, 9 and 16, approximately 1 1/2 miles to the corner of sections 9, 10, 15 and 16, T. 19 S., R. 44 W., Seward Meridian;

The Becharof Wilderness consists of the public lands, as defined by the ANILCA, within the following boundary:

Beginning at vertical angle bench mark "Kubugakli" located in the southeasterly portion of section 6, T. 27 S., R. 35 W., Seward Meridian, approximate elevation 139 feet;

Thence S. 40° E., approximately 800 feet, along the Becharof National Wildlife Refuge boundary, to the line of mean high tide of Svelikof Strait;

Thence southwesterly, along the line of mean high tide of Svelikof Strait, closing the mouths of all rivers to a point on the left bank of Jute Creek, located in the easterly portion of section 19, T. 30 S., R. 40 W., Seward Meridian;

Thence northwesterly, along the left bank of Jute Creek to the source of its branch in Section 12, T. 30 S., R. 41 W., Seward Meridian;

Thence northwesterly, in a straight line to the source of the branch of Bear Creek in Section 12, T. 30 S., R. 41 W., Seward Meridian;

Thence northwesterly, along the right bank of Bear Creek to its confluence with Becharof Lake, T. 29 S., R. 42 W., Seward Meridian;

Thence westerly, approximately 9,600 feet to a point on the left bank of Buris Creek in section 10, T. 29 S., R. 42 W., Seward Meridian;

Thence northwesterly, along the line of mean high water of Becharof Lake, closing the mouth of all rivers, approximately 12 miles, to the meander corner of sections 4 and 33, Tps. 27 and 28 S., R. 42 W., Seward Meridian;

Thence on an approximate forward bearing of N. 45° E., approximately 8,000 feet to the meander corner of sections 26 and 27, T. 27 S., R. 42 W., Seward Meridian;

Thence northwesterly, easterly, northerly and northwesterly, along the line of mean high water of Becharof Lake, closing the mouths of all rivers, approximately 29 miles to the meander corner of sections 8 and 9, T. 25 S., R. 43 W., Seward Meridian;

Thence on an approximate forward bearing of N. 13° E., approximately 7,800 feet to the summit of Blue Mountain, located in section 4, T. 25 S., R. 43 W., Seward Meridian, approximate elevation 1,930 feet;

Thence on an approximate forward bearing of S. 79° E., approximately 4,000 feet to the confluence of the King Salmon River and Contact Creek located in the southeasterly portion of section 20, T. 23 S., R. 41 W., Seward Meridian;

Thence on an approximate forward bearing of S. 45° E., approximately 5 3/4 miles to the intersection of a ridge and the line between sections 13 and 18, T. 24 S., Rs. 40 and 41 W., Seward Meridian;

Thence southeasterly and easterly, along the crest of a ridge, approximately 24 3/4 miles to a point between sections 14 and 23, T. 25 S., R. 38 W., Seward Meridian;

Thence easterly, between sections 14 and 23, 13 and 24, 18 and 19, 17 and 20, 16 and 21, approximately 4 1/4 miles to the corner of sections 15, 16, 21 and 22, T. 25 S., R. 37 W., Seward Meridian;

Thence on an approximate forward bearing of S. 32° E., approximately 3,100 feet to the summit of a mountain located in section 22, T. 25 S., R. 37 W., Seward Meridian, approximate elevation 2,267 feet;

Thence southerly and easterly, along the crest of a ridge, approximately 19 miles to a point N. 40° W. of vertical angle bench mark "Kubugakli" located in section 6, T. 27 S., R. 35 W., Seward Meridian, approximate elevation 1,150 feet;

Thence S. 40° E., approximately 3,800 feet to vertical angle bench mark "Kubugakli";

Thence S. 40° E., approximately 800 feet, to the line of mean high tide of Svelikof Strait;

Thence southwesterly, along the line of mean high tide of Svelikof Strait, closing the mouths of all rivers to a point approximately N. 45° E., 200 feet from the meander corner of sections 1 and 12, T. 32 S., R. 42 W., Seward Meridian, the place of beginning.

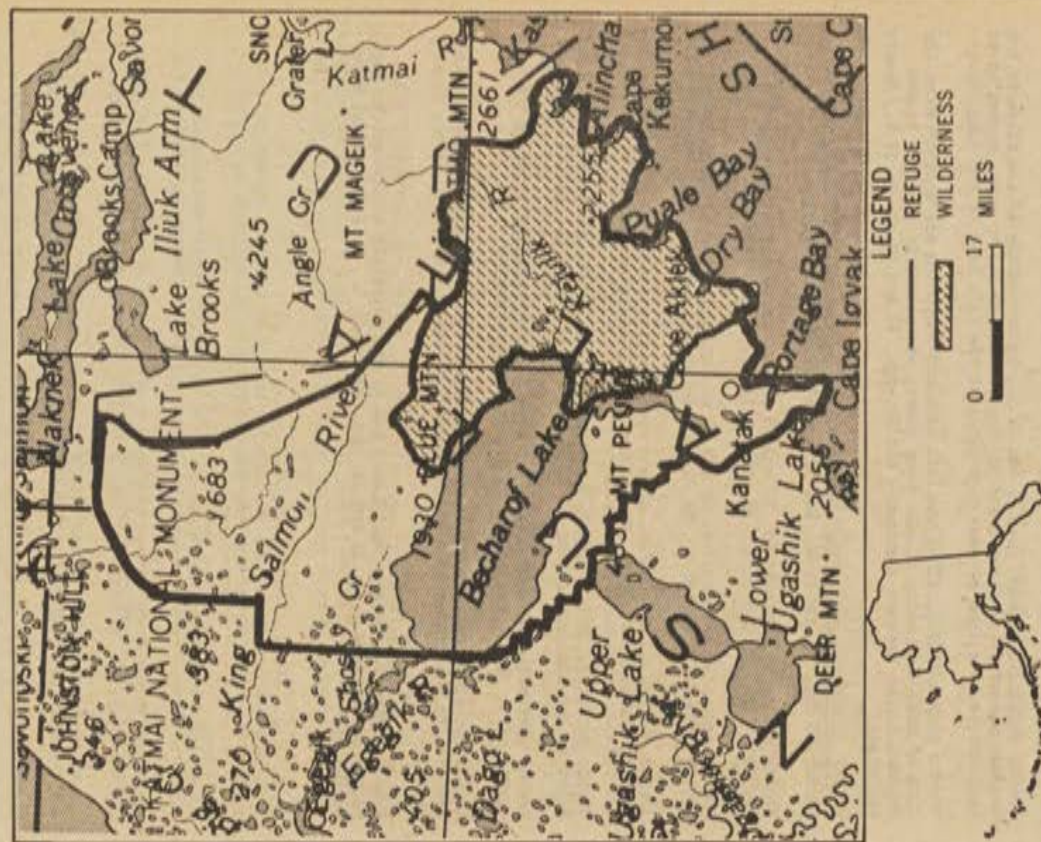
UNITS OF THE WILDERNESS PRESERVATION SYSTEM
WITHIN THE BECHAROF NATIONAL WILDLIFE REFUGE:

Section 702 (4):

Becharof Wilderness of approximately four hundred thousand acres as generally depicted on a map entitled "Becharof National Wildlife Refuge" dated July 1980;

BECHAROF NATIONAL WILDLIFE REFUGE

PUBLIC LAW 96-487



Fence on an approximate forward bearing of N. 55° E., approximately 42,500 feet to the summit of a mountain located in section 9, T. 24 S., R. 42 W., Seward Meridian, approximate elevation 1,344 feet;

Thence on an approximate forward bearing of S. 63° E., approximately 47,500 feet to the summit of a mountain, located in section 36, T. 24 S., R. 41 W., Seward Meridian, approximate elevation 1,845 feet;

Influence on an approximate forward bearing of S. 81° E., approximately 10,800 feet to the summit of a mountain located in section 32, T. 24 S., R. 40 W., 5ward Meridian, approximate elevation 2,568 feet;

Influence on an approximate forward bearing of S. 89° E., approximately 9,600 feet to the summit of a mountain located in section 34, T. 24 S., R. 40 W., Seward Meridian, approximate elevation 3,355 feet;

ence southeasterly and easterly, along the crest of a ridge, approximately 19 miles to a point between sections 14 and 23, T. 25 S., R. 38 W., Seward Meridian;

ence easterly, between sections 14 and 23, 13 and 24, 18 and 19, 17 and 20, and 16 and 21, approximately $4\frac{1}{4}$ miles to the corner of sections 15, 16, 21 and 22, T. 25 S., R. 37 W., Seward Meridian.

reference on an approximate forward bearing of S. 32° E., approximately 3,100 feet to the summit of a mountain located in section 15, T. 25 S., R. 37 W., 6th Meridian, approximate elevation 2,267 feet;

ence southerly and easterly, along the crest of a ridge, approximately 19 miles to a point N. 40° W. of vertical angle benchmark "Wubugaki" in section 16, T. 27 S., R. 35 W., Seward Meridian, approximate elevation 1,150 feet;

Thence S. 40° E., approximately 3,800 feet to vertical angle bench mark "Wutogakelli", the point of beginning.

The following USGS quadrangle maps were used to prepare the legal description for the Becharof National Wildlife Refuge:

Scale of Map	Name and Date
1:63,360*	Ugashik (B-1) 1951 nr 1973; (C-1) 1951; (C-2) 1951 nr 1973; (D-1) 1951 nr 1973; (D-2), (D-3) 1951 nr 1973.
1:63,360*	Maknek (A-1) 1951 nr 1973; (A-2), (A-3) 1951 nr 1970; (B-1) 1951; (B-2) 1952 nr 1966; (B-3) 1952 nr 1973; (C-1) 1951 nr 1970; (C-2) 1952.
1:63,360*	Nt. Katmai (A-5) 1951 nr 1973; (A-6) 1951.
1:63,360*	Kariuk (C-4 and C-5), (C-6) 1951; (D-4), (D-5), (D-6) 1955 nr 1973.

INNOKO NATIONAL WILDLIFE REFUGE

Section 302 (3):

"The Innoko National Wildlife Refuge shall consist of the approximately three million eight hundred and fifty thousand acres of public lands generally depicted on the map entitled "Innoko National Wildlife Refuge", dated October 1978."

The Innoko National Wildlife Refuge consists of the public lands, as defined by the ANILCA, within the following boundaries:

Innoko Unit

Beginning at the standard corner of T. 20 S., Rs. 12 and 13 E., Kateel River Meridian;

Thence northerly, between Rs. 12 and 13 E., approximately 6 miles to the corner of Tps. 19 and 20 S., Rs. 12 and 13 E., Kateel River Meridian;

Thence westerly, between Tps. 19 and 20 S., approximately 24 miles to the corner of Tps. 19 and 20 S., Rs. 8 and 9 E., Kateel River Meridian;

Thence northerly, between Rs. 8 and 9 E., approximately 12 miles to the corner of Tps. 17 and 18 S., Rs. 8 and 9 E., Kateel River Meridian;

Thence westerly, between Tps. 17 and 18 S., approximately 36 miles to the corner of Tps. 17 and 18 S., Rs. 2 and 3 E., Kateel River Meridian;

Thence northerly, between Rs. 2 and 3 E., approximately 2 1/2 miles to the 1/4 section corner of sections 19 and 24, T. 17 S., Rs. 2 and 3 E., Kateel River Meridian;

Thence westerly, on the east and west centerlines of sections 24, 23, 22, 21, 20, 19, 24, 23, 22, 21, 20 and 19, approximately 12 miles to a point at the line of mean high water on the left bank of the Yukon River located in section 19, T. 17 S., R. 1 E., Kateel River Meridian;

Thence southwesterly, along the left bank and including all islands above the line of mean high water of the Yukon River, approximately 22 miles to the meander corner between sections 2 and 35, Tps. 19 and 20 S., R. 3 W., Kateel River Meridian;

Thence easterly, between Tps. 19 and 20 S., approximately 7 1/2 miles to the corner of Tps. 19 and 20 S., Rs. 1 and 2 W., Kateel River Meridian;

Thence southerly, between Rs. 1 and 2 W., approximately 6 miles to the standard corner of T. 20 S., Rs. 1 and 2 W., Kateel River Meridian;

Thence easterly, on the Fourth Standard Parallel South, approximately 400 feet to the closing corner of T. 21 S., Rs. 1 and 2 W., Kateel River Meridian;

Thence southerly, between Rs. 1 and 2 W., approximately 6 miles to the corner of Tps. 21 and 22 S., Rs. 1 and 2 W., Kateel River Meridian;

Thence westerly, between Tps. 21 and 22 S., approximately 13 1/4 miles to the meander corner of sections 2 and 35, Tps. 21 and 22 S., R. 4 W., Kateel River Meridian, at the line of mean high water on the left bank of the Yukon River;

Thence southwesterly, along the left bank and including all islands above the line of mean high water of the Yukon River, approximately 69 miles to the meander corner between sections 6 and 31, Tps. 31 and 32 N., R. 57 W., Seward Meridian;

Thence easterly, between Tps. 31 and 32 N., approximately 30 miles to the corner of Tps. 31 and 32 N., Rs. 52 and 53 W., Seward Meridian;

Thence southerly, between Rs. 52 and 53 W., approximately 6 miles to the corner of Tps. 30 and 31 N., Rs. 52 and 53 W., Seward Meridian;

Thence easterly, between Tps. 30 and 31 N., approximately 42 miles to the corner of Tps. 30 and 31 N., Rs. 45 and 46 W., Seward Meridian;

Thence northerly, between Rs. 45 and 46 W., approximately 12 miles to the closing corner of T. 32 N., Rs. 45 and 46 W., Seward Meridian;

Thence easterly, on the Eighth Standard Parallel North, approximately 2 3/4 miles to the standard corner of T. 33 N., Rs. 44 and 45 W., Seward Meridian;

Thence northerly, between Rs. 44 and 45 W., approximately 7 miles to the corner of T. 34 N., Rs. 44 and 45 W., Seward Meridian;

Thence easterly, between the Seward and Kateel River Meridians, approximately 650 feet to the corner of sections 3 and 4, T. 29 S., R. 6 E., Kateel River Meridian;

Thence northerly, between sections 3 and 4, approximately 4,500 feet to the corner of sections 3, 4, 33 and 34, Tps. 28 and 29 S., R. 6 E., Kateel River Meridian;

Traverse northerly, between sections 31 and 32, approximately 1 mile to the corner of sections 29, 30, 31 and 32 T. 13 S., R. 6 E., Kateel River Meridian;

Traverse easterly between sections 29 and 32, approximately 1 mile to the corner of sections 28, 29, 32 and 33, T. 13 S., R. 6 E., Kateel River Meridian;

Traverse northerly, between sections 28 and 29, approximately 1 mile to the corner of sections 20, 21, 28 and 29, T. 13 S., R. 6 E., Kateel River Meridian;

Traverse easterly, between sections 21 and 28, approximately 1 mile to the corner of sections 21, 22, 27 and 28, T. 13 S., R. 6 E., Kateel River Meridian;

Traverse northerly, between sections 21 and 22, approximately 1/2 mile to the 1/4 corner of section 21 and 22, T. 13 S., R. 6 E., Kateel River Meridian;

Traverse easterly, on the east and west centerlines of sections 22 and 23, approximately 2 miles to the 1/4 section corner of sections 23 and 24, T. 13 S., R. 6 E., Kateel River Meridian;

Traverse northerly, between sections 23 and 24, approximately 1/2 mile to the corner of sections 13, 14, 23 and 24, T. 13 S., R. 6 E., Kateel River Meridian;

Traverse easterly, between sections 13 and 24, approximately 1/2 mile to the corner of sections 13 and 24, T. 13 S., R. 6 E., Kateel River Meridian;

Traverse northerly, on the north and south centerline of section 13, approximately 1 mile to the 1/4 section corner of sections 12 and 13, T. 13 S., R. 6 E., Kateel River Meridian;

Traverse easterly, between sections 12 and 13, approximately 1/2 mile to the corner of sections 7, 12, 13 and 18, T. 13 S., R. 6 and 7 E., Kateel River Meridian;

Traverse northerly, between Rs. 6 and 7 E., approximately 2 miles to the closing corner of sections 1 and 6, T. 13 S., R. 6 and 7 E., Kateel River Meridian;

Traverse easterly, on the Third Standard Parallel South, approximately 1/2 mile to the standard corner of T. 12 S., R. 6 and 7 E., Kateel River Meridian;

Traverse northerly, between Rs. 6 and 7 E., approximately 1/2 mile to the 1/4 section corner of sections 31 and 36, T. 12 S., R. 6 and 7 E., Kateel River Meridian;

Traverse easterly, on the east and west centerline of section 31, approximately 1 mile to the 1/4 section corner of sections 31 and 32, T. 12 S., R. 7 E., Kateel River Meridian;

Traverse easterly, between Tps. 28 and 29 S., approximately 3 miles to the corner of Tps. 28 and 29 S., Rs. 6 and 7 E., Kateel River Meridian;

Traverse northerly, between Rs. 6 and 7 E., approximately 24 miles to the closing corner of T. 25 S., Rs. 6 and 7 E., Kateel River Meridian;

Traverse easterly, on the Sixth Standard Parallel South, approximately 18 1/2 miles to the standard corner of T. 24 S., Rs. 9 and 10 E., Kateel River Meridian;

Traverse northerly, between Rs. 9 and 10 E., approximately 12 miles to the corner of Tps. 22 and 23 S., Rs. 9 and 10 E., Kateel River Meridian;

Traverse easterly, between Tps. 22 and 23 S., approximately 18 miles to the corner of Tps. 22 and 23 S., Rs. 12 and 13 E., Kateel River Meridian;

Traverse northerly, between Rs. 12 and 13 E., approximately 12 miles to the closing corner of T. 21 S., Rs. 12 and 13 E., Kateel River Meridian;

Traverse easterly, on the Fifth Standard Parallel South, approximately 4,400 feet to the standard corner of T. 20 S., Rs. 12 and 13 E., Kateel River Meridian, the point of beginning.

Bullfrog Island and adjacent islands located above the line of mean high water between the Yukon River and Honeycomb Slough in Tps. 20 and 21 S., Rs. 3 and 4 E., Kateel River Meridian, are also included in this unit of the refuge; and

Kalyan Unit

Beginning at the corner of Tps. 9 and 10 S., Rs. 9 and 10 E., Kateel River Meridian;

Traverse northerly, between Rs. 9 and 10 E., approximately 4 1/2 miles to the meander corner of sections 7 and 12, T. 9 S., Rs. 9 and 10 E., Kateel River Meridian, at the line of mean high water on the left bank of the Yukon River;

Traverse northwesterly and southwesterly, along the left bank and including all the islands within the line of mean high water of the Yukon River excepting Koyukuk Island, approximately 74 miles to the meander corner between sections 5 and 32, Tps. 13 and 14 S., R. 1 E., Kateel River Meridian;

Traverse easterly, between Tps. 13 and 14 S., approximately 29 miles to the corner of sections 5, 6, 31 and 32, Tps. 13 and 14 S., R. 6 E., Kateel River Meridian;

Thence northerly, between sections 31 and 32, approximately 1/2 mile to the corner of sections 29, 30, 31 and 32, T. 12 S., R. 7 E., Kateel River Meridian;

Thence easterly, between sections 29 and 32, approximately 1 mile to the corner of sections 28, 29, 32 and 33, T. 12 S., R. 7 E., Kateel River Meridian;

Thence northerly, between sections 28 and 29, 20 and 21, approximately 1 1/2 miles to the 1/4 section corner of sections 20 and 21, T. 12 S., R. 7 E., Kateel River Meridian;

Thence easterly, on the east and west centerline of section 21, approximately 1 mile to the 1/4 section corner of sections 21 and 22, T. 12 S., R. 7 E., Kateel River Meridian;

Thence northerly, between sections 21 and 22, 15 and 16, approximately 1 mile to the 1/4 section corner of sections 15 and 16, T. 12 S., R. 7 E., Kateel River Meridian;

Thence easterly, on the east and west centerlines of sections 15, 14, 13, 18 and 17, approximately 5 miles to the 1/4 section corner of sections 16 and 17, T. 12 S., R. 8 E., Kateel River Meridian;

Thence northerly, between sections 16 and 17, 8 and 9, approximately 1 1/2 miles to the corner of sections 4, 5, 8 and 9, T. 12 S., R. 8 E., Kateel River Meridian;

Thence easterly, between sections 4 and 9, approximately 1 mile to the corner of sections 3, 4, 9 and 10, T. 12 S., R. 8 E., Kateel River Meridian;

Thence northerly, between sections 3 and 4, approximately 1 mile to the corner of sections 3, 4, 33 and 34, Tps. 11 and 12 S., R. 8 E., Kateel River Meridian;

Thence easterly, between Tps. 11 and 12 S., approximately 1 1/2 miles to the 1/4 section corner of sections 2 and 35, Tps. 11 and 12, R. 8 E., Kateel River Meridian;

Thence northerly, on the north and south centerlines of sections 35, 26, and 29, approximately 3 miles to the 1/4 section corner of sections 14 and 23, T. 11 S., R. 8 E., Kateel River Meridian;

Thence easterly, between sections 14 and 23, 13 and 24, approximately 1 1/2 miles to the corner of sections 13, 18, 19 and 24, T. 11 S., R. 8 and 9 E., Kateel River Meridian;

Thence northerly, between Rs. 8 and 9 E., approximately 1/2 mile to the 1/4 section corner of sections 13 and 18, T. 11 S., R. 8 and 9 E., Kateel River Meridian;

Thence easterly, on the east and west centerline of section 18, approximately 1 mile to the 1/4 section corner of sections 17 and 18, T. 11 S., R. 9 E., Kateel River Meridian;

Thence northerly, between sections 17 and 18, 7 and 8, approximately 1 mile to the 1/4 section corner of sections 7 and 8, T. 11 S., R. 9 E., Kateel River Meridian;

Thence easterly, on the east and west centerline of section 8, approximately 1 mile to the 1/4 section corner of sections 8 and 9, T. 11 S., R. 9 E., Kateel River Meridian;

Thence northerly, between sections 8 and 9, 4 and 5, approximately 1 1/2 miles to the corner of sections 4, 5, 32 and 33, Tps. 10 and 11 S., R. 9 E., Kateel River Meridian;

Thence easterly, between Tps. 10 and 11 S., approximately 2 miles to the corner of sections 2, 3, 34 and 35, Tps. 10 and 11 S., R. 9 E., Kateel River Meridian;

Thence northerly, between sections 34 and 35, 26 and 27, 22 and 23, 14 and 15, 10 and 11, approximately 5 miles to the corner of sections 2, 3, 10 and 11, T. 10 S., R. 9 E., Kateel River Meridian;

Thence easterly, between sections 2 and 11, approximately 1 mile to the corner of sections 1, 2, 11 and 12, T. 10 S., R. 9 E., Kateel River Meridian;

Thence northerly, between sections 1 and 2, approximately 1 mile to the corner of sections 1, 2, 35 and 36, Tps. 9 and 10 S., R. 9 E., Kateel River Meridian;

Thence easterly, between Tps. 9 and 10 S., approximately 1 mile to the corner of Tps. 9 and 10 S., Rs. 9 and 10 E., Kateel River Meridian, the place of beginning.

UNITS OF THE NATIONAL WILDERNESS PRESERVATION SYSTEM
WITHIN THE INNOCK NATIONAL WILDLIFE REFUGE:

Sections 702 (5):

"Innoko Wilderness of approximately one million two hundred and forty thousand acres as generally depicted on a map entitled "Innoko National Wildlife Refuge", dated October 1978."

The Innoko Wilderness consists of the public lands, as defined by the ANILCA, within the following boundary:

Beginning at the standard corner of T. 24 S., Rs. 6 and 7 E., Kateel River Meridian;

Thence northerly, between Rs. 6 and 7 E., approximately 12 miles to the corner of Tps. 22 and 23 S., Rs. 6 and 7 E., Kateel River Meridian;

Thence westerly, between Tps. 22 and 23 S., approximately 6 miles to the corner of Tps. 22 and 23 S., Rs. 5 and 6 E., Kateel River Meridian;

Thence northerly, between Rs. 5 and 6 E., approximately 5 miles to the meander corner of sections 7 and 12, T. 22 S., Rs. 5 and 6 E., Kateel River Meridian, at the line of mean high water on the left bank of the Innoko River;

Thence southwesterly, along the left bank of the Innoko River, approximately 191 miles to the meander corner of sections 4 and 33, Tps. 31 and 32 N., R. 54 W., Seward Meridian;

Thence easterly, between Tps. 31 and 32 N., approximately 10 miles to the corner of Tps. 31 and 32 N., Rs. 52 and 53 W., Seward Meridian;

Thence southerly, between Rs. 52 and 53 W., approximately 6 miles to the corner of Tps. 30 and 31 N., Rs. 52 and 53 W., Seward Meridian;

Thence easterly, between Tps. 30 and 31 N., approximately 42 miles to the corner of Tps. 30 and 31 N., Rs. 45 and 46 W., Seward Meridian;

Thence northerly, between Rs. 45 and 46 W., approximately 12 miles to the closing corner of T. 32 N., Rs. 45 and 46 W., Seward Meridian;

Thence easterly, on the Eighth Standard Parallel North, approximately 2 3/4 miles to the standard corner of T. 33 N., Rs. 44 and 45 W., Seward Meridian;

Thence northerly, between Rs. 44 and 45 W., approximately 7 miles to the corner of T. 34 N., Rs. 44 and 45 W., Seward Meridian;

Thence easterly, between the Seward and Kateel River Meridians approximately 650 feet to the corner of sections 3 and 4, T. 29 S., R. 6 E., Kateel River Meridian;

Thence northerly, between sections 3 and 4, approximately 4,500 feet to the corner of sections 3, 4, 33 and 34, Tps. 28 and 29 S., R. 6 E., Kateel River Meridian;

Thence easterly, between Tps. 28 and 29 S., approximately 3 miles to the corner of Tps. 28 and 29 S., Rs. 6 and 7 E., Kateel River Meridian;

Thence northerly, between Rs. 6 and 7 E., approximately 24 miles to the closing corner of T. 25 S., Rs. 6 and 7 E., Kateel River Meridian;

Thence easterly, on the Sixth Standard Parallel South, approximately 1/2 mile to the standard corner of T. 24 S., Rs. 6 and 7 E., Kateel River Meridian, the point of beginning.

The following USGS quadrangle maps were used to prepare the legal description for the Innoko National Wildlife Refuge:

Scale of Map	Name and Date
1:63,360*	Boly Cross (C-1) 1952 nr 1971; (D-1) 1952 nr 1967; (D-2) 1952 nr 1946; (D-3) 1952 nr 1973.
1:63,360*	Uhalakleet (A-1) 1952 nr 1971; (A-2) 1952 nr 1963; (B-1) 1952 nr 1967; (B-2) 1952 nr 1965; (C-1) 1952 nr 1946; (C-2) 1952 nr 1964; (D-1) 1952 nr 1952.
1:250,000*	Ophir 1954.
1:63,360	Ophir (A-4) 1954 nr 1973; (A-6), (B-3), (B-4), (B-5), (B-6), (C-1) 1954; (C-2) 1954 nr 1977; (C-4), (C-5), (C-6) 1954; (D-1), (D-2), (D-3), (D-4), (D-5), (D-6) 1954.
1:63,360	Mulato (A-5) 1952 nr 1973; (A-6) 1952 nr 1965.
1:63,360*	Iditarod (C-4), (C-5), (C-6), (D-4) 1954.
Kaliyuh Unit	
1:63,360	Mulato (B-3) 1952 nr 1973; (B-4) 1952 nr 1975; (B-5) 1953 nr 1966; (B-6) 1952 nr 1974; (C-2) 1953 nr 1963; (C-3) 1952 nr 1973; (C-4) 1953 nr 1966; (C-5) 1953 nr 1962; (D-3) 1954 nr 1966; (D-4) 1952 nr 1969.

* minor revision
* Quad depicts Wilderness boundary

Thence due South, approximately 1 mile to corner No. 3, which is the southwest corner of Air Navigation Site Withdrawal No. 176;

Thence on an approximate forward bearing of S. 41° 00' W., approximately 2.05 miles along the crest of a spur ridge to a point at approximate elevation 1,300 feet;

Thence on an approximate forward bearing of S. 68° 30' W., approximately 0.55 miles along the crest of a spur ridge to a point at approximate elevation 2,000 feet;

Thence on an approximate forward bearing of S. 34° 30' W., approximately 1.35 miles to corner No. 4 at forks of the spur ridge leading to Frosty Peak at approximate elevation 4,200 feet;

Thence on an approximate forward bearing of S. 30° 30' E., approximately 1.20 miles to point at approximate elevation 4,000 feet;

Thence on an approximate forward bearing of S. 19° 45' W., approximately 2.28 miles to corner No. 5 at the summit of Frosty Peak, approximate elevation 6,600 feet;

Thence on an approximate forward bearing of S. 83° 30' W., approximately 1.12 miles along the crest of a spur ridge to point at approximate elevation 4,000 feet;

Thence on an approximate forward bearing of S. 64° 00' W., approximately 2.04 miles along the crest of a spur ridge to a point at approximate elevation 1,600 feet;

Thence on an approximate forward bearing of S. 76° 30' W., approximately 4 miles to corner No. 6 at the mouth of an unnamed stream at the intersection of the line of mean high tide on the east bank of Morzhovoi Bay, at approximate latitude 55° 03' N., longitude 162° 54' W.;

Thence northerly, westerly, and southwesterly, with the line of mean high tide of Morzhovoi Bay, approximately 14 miles to corner No. 7 at its intersection with the mouth of an unnamed stream on the west side of Morzhovoi Bay, at approximate latitude 55° 02' 40" N., longitude 163° 13' 30" W.;

Thence westerly, along the north bank of said unnamed stream and with the north shore of two (2) small unnamed lakes, approximately 2.10 miles to a point on the west shore of the most westerly lake at approximate latitude 55° 02' 45" N.;

Thence due West, approximately 1.00 mile to Corner No. 8 at the intersection of an unnamed stream with the line of mean high tide on the east side of Bechevin Bay, at approximate latitude 55° 02' 45" N., longitude 163° 17' 30" W.;

Thence northeasterly, northeasterly, southeasterly, northeasterly and southeasterly, with the line of mean high tide along the banks of Bechevin Bay, approximately 19 miles to the most westerly point on Cape Krenitum at approximate latitude 55° 04' 20" N., longitude 163° 26' W.;

Thence northeasterly, along the line of mean high tide of the Alaska Peninsula-Bering Sea shore approximately 23 miles to the most northerly point of Cape Clarenap, at approximate latitude 55° 15' N., longitude 163° 00' W.;

Thence along the line of mean tide on the seaward side of the most westerly islands in the Kuliakof Island group and Neumun Island, closing all inlets to Izembek Lagoon and Moffet Lagoon, to Moffet Point at approximate latitude 55° 26' 50" N., longitude 162° 35' 20" W.;

Thence northeasterly, along the line of mean high tide of the Bering Sea, approximately 8.40 miles to corner No. 9 at approximate latitude 55° 32' 10" N., longitude 162° 26' W.;

Thence southeasterly, following the boundaries of the watershed of Moffet Bay, approximately 17.40 miles to a point on the summit of the Agbleen Pinnacles; at approximate elevation 4,800 feet;

Thence southerly, along said watershed approximately 19.60 miles to the summit of Mt. Dutton at approximate elevation 4,834 feet;

Thence westerly, along said watershed, approximately 10.20 miles to Corner No. 10 at the line of mean high tide on the east shore of Cold Bay at approximate latitude 55° 10' 22" N.;

Thence northerly, northeasterly, and southwesterly, along the line of mean high tide of said Bay, approximately 13.10 miles to Corner No. 11, on the northwest side of Cold Bay at approximate latitude 55° 15' 30" N., longitude 162° 40' 30" W.;

Thence due West, approximately 1.5 miles to Corner No. 12, which is the northeast corner of Air Navigation Withdrawal No. 176;

Thence due West, approximately 2.50 miles to Corner No. 13, on the boundary of Air Navigation Withdrawal No. 176;

Thence on an approximate forward bearing of S. 24° 57' 30" E., approximately 4.28 miles to corner No. 1, the place of beginning.

UNITS OF THE WILDERNESS PRESERVATION SYSTEM
WITHIN THE IZEMBEEK NATIONAL WILDLIFE REFUGE.

Section 702 (6):

"Izembek Wilderness of approximately three hundred thousand acres as generally depicted on a map entitled 'Izembek Wilderness', dated October 1978."

The Izembek Wilderness consists of the public lands, as defined by the

ANILCA, within the following boundaries:

East Unit

Beginning at a point on the boundary of the Izembek National Wildlife Refuge, at approximate latitude 55° 15' 30" N., longitude 162° 44' 56" W.;

Thence due East, along the Izembek National Wildlife Refuge boundary, approximately 1 mile to a point at the line of mean high tide of Cold Bay;

Thence easterly, northeasterly, southeasterly, northeasterly, northeasterly and southeasterly, along the Izembek National Wildlife Refuge boundary, approximately 83.5 miles to Moffett Point at the line of mean high tide of Moffett Lagoon, at approximate latitude 55° 27' N., longitude 162° 34' W.;

Thence southeasterly, northeasterly, southeasterly, northeasterly and southeasterly, along the line of mean high tide of Moffett Lagoon and Izembek Lagoon, closing the mouths of all rivers, approximately 24 miles to a point at approximate latitude 55° 19' 15" N.;

Thence due South, approximately 2½ miles to a point at approximate latitude 55° 16' 52" N., the standard corner of sections 34 and 35, T. 56 S., R. 88 W., Seaward Meridian;

Thence due West, approximately 500 feet to a point at approximate latitude 55° 16' 52" N., longitude 162° 44' 56" W.;

Thence due South, approximately 8,600 feet to a point on the Izembek National Wildlife Refuge boundary, the place of beginning; and,

West Unit

Beginning at a point on boundary the Izembek National Wildlife Refuge, at the summit of a mountain, at approximate latitude 55° 07' N., longitude 162° 50' W., approximate elevation 4,000 feet;

Thence on an approximate forward bearing of N. 30° W., approximately 4,200 feet to the centerline of an unnamed creek;

Thence northeasterly, along the centerline of the unnamed creek, approximately 1 mile to a point 100 feet southerly of, and parallel to, the centerline of Frosty Road;

Thence southeasterly, northeasterly and southeasterly, on a line 100 feet from, and parallel to, the centerline of Frosty Road, approximately 4¼ miles to a point 100 feet from, and parallel to, the terminus of the centerline of Frosty Road;

Thence on a curve to the right, maintaining a radius of 100 feet from the terminus of the centerline of Frosty Road to a point 100 feet from, and parallel to, the centerline of Frosty Road at its terminus;

Thence northeasterly, southeasterly and northeasterly, on a line 100 feet from, and parallel to, the centerline of Frosty Road, approximately 4¼ miles to a point at the centerline of an unnamed creek;

Thence on an approximate forward bearing of N. 16° E., approximately 4,000 feet to a point on the southerly shore of an unnamed lake at approximate latitude 55° 15' N., longitude 162° 48' W.;

Thence on an approximate forward bearing of North, approximately 6 miles to the intersection with the line of mean high water of the westernmost point of Blue Bill Lake;

Thence southeasterly and northeasterly, along the line of mean high water of Blue Bill Lake, approximately 1¼ miles to a point due West of the previous point;

Thence due West, 1,000 feet to the intersection with the line of mean high water of Rescue Lake;

Thence southeasterly and northeasterly, along the line of mean high water of Rescue Lake, approximately ½ mile to a point due West of the previous point;

Thence due West, approximately 1¼ miles to the intersection with the line of mean high tide of Izembek Lagoon;

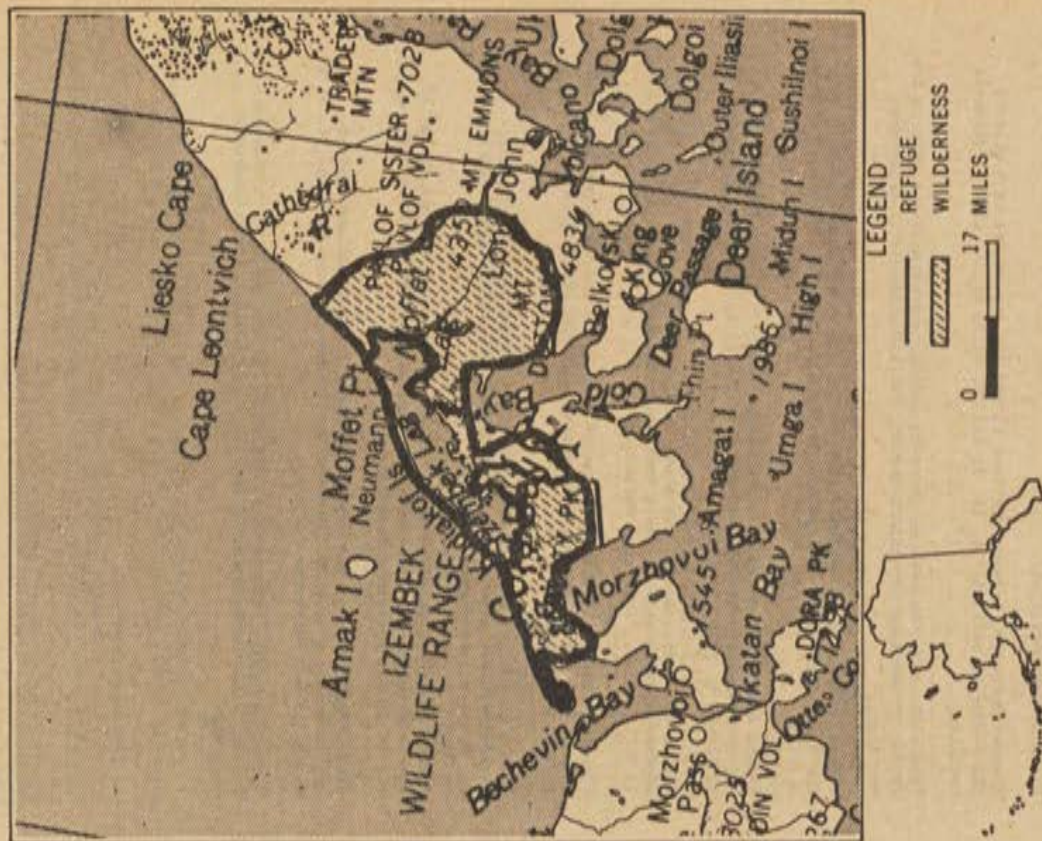
IZEMBEK NATIONAL WILDLIFE REFUGE

PUBLIC LAW 96-487

Thence southerly, northwesterly, southeasterly, northeasterly, southerly, westerly and northeasterly, along the line of mean high tide of Izembek Lagoon, closing the mouths of all inlets and rivers, approximately 27 miles to a point on the boundary of Izembek National Wildlife Refuge at Cape Clarence, at approximate latitude $55^{\circ} 15' N.$, longitude $163^{\circ} 00' W.$

Thence southeasterly, southerly, easterly and northerly, along the Izembek National Wildlife Refuge boundary, approximately 67 miles to a point on the summit of a mountain, approximate elevation 4,000 feet, the place of beginning; and

All public lands on islands, islets, rocks, reefs and spires, above the line of mean high tide within the Izembek National Wildlife Refuge.



KANUTI NATIONAL WILDLIFE REFUGE

Section 302 (4):

"The Kanuti National Wildlife Refuge shall consist of the approximately one million four hundred and thirty thousand acres of public lands generally depicted on the map entitled 'Kanuti National Wildlife Refuge', dated July 1980."

The Kanuti National Wildlife Refuge consists of the public lands, as defined by the ANILCA, within the following boundary:

- Beginning at the $\frac{1}{4}$ section corner of sections 4 and 33, Tps. 13 and 14 N., R. 20 W., Fairbanks Meridian;
- Thence northerly, on the north and south centerline of section 33, approximately $\frac{1}{4}$ mile to the center $\frac{1}{4}$ section corner of section 33, T. 14 N., R. 20 W., Fairbanks Meridian;
- *Thence easterly, on the east and west centerline of sections 33, 34, 35 and 36, approximately $\frac{3}{4}$ miles to the $\frac{1}{4}$ section corner of section 36, T. 14 N., R. 20 W., and Section 31, T. 14 N., R. 19 W., Fairbanks Meridian;
- *Thence northerly, between Rs. 19 and 20 W., approximately $\frac{1}{4}$ mile to the corner of sections 25, 30, 31 and 36, T. 14 N., Rs. 19 and 20 W., Fairbanks Meridian;
- *Thence easterly, between sections 30 and 31, approximately $\frac{1}{4}$ mile to the $\frac{1}{4}$ section corner of sections 30 and 31, T. 14 N., R. 19 W., Fairbanks Meridian;
- Thence northerly, on the north and south centerline of section 30, approximately $\frac{1}{4}$ mile to the center $\frac{1}{4}$ section corner of section 30, T. 14 N., R. 19 W., Fairbanks Meridian;
- Thence easterly, on the east and west centerline of section 30, approximately $\frac{1}{4}$ mile to the $\frac{1}{4}$ section corner of sections 29 and 30, T. 14 N., R. 19 W., Fairbanks Meridian;
- Thence northerly, between sections 29 and 30, 19 and 20, approximately 1 mile to the $\frac{1}{4}$ section corner of sections 19 and 20, T. 14 N., R. 19 W., Fairbanks Meridian;

Thence easterly, on the east and west centerline of section 20, approximately 1 mile to the $\frac{1}{4}$ section corner of sections 20 and 21, T. 14 N., R. 19 W., Fairbanks Meridian;

Thence northerly, between sections 20 and 21, 16 and 17, approximately 1 mile to the $\frac{1}{4}$ section corner of sections 16 and 17, T. 14 N., R. 19 W., Fairbanks Meridian;

Thence easterly, on the east and west centerline of section 16, approximately 1 mile to the $\frac{1}{4}$ section corner of sections 15 and 16, T. 14 N., R. 19 W., Fairbanks Meridian;

Thence southerly, between sections 15 and 16, approximately $\frac{1}{4}$ mile to the corner of sections 15, 16, 21 and 22, T. 14 N., R. 19 W., Fairbanks Meridian;

Thence easterly, between sections 15 and 22, approximately 1 mile to the corner of sections 14, 15, 22 and 23, T. 14 N., R. 19 W., Fairbanks Meridian;

Thence southerly, between sections 22 and 23, approximately $\frac{1}{4}$ mile to the $\frac{1}{4}$ section corner of sections 22 and 23, T. 14 N., R. 19 W., Fairbanks Meridian;

Thence easterly, on the east and west centerline of sections 23, 24 and 19, approximately $\frac{3}{4}$ miles to the center $\frac{1}{4}$ section corner of section 19, T. 14 N., R. 18 W., Fairbanks Meridian;

Thence northerly, on the north and south centerline of section 19, approximately $\frac{1}{4}$ mile to the $\frac{1}{4}$ section corner of sections 18 and 19, T. 14 N., R. 18 W., Fairbanks Meridian;

Thence easterly, between sections 18 and 19, 17 and 20, approximately 1 mile to the $\frac{1}{4}$ section corner of sections 17 and 20, T. 14 N., R. 18 W., Fairbanks Meridian;

Thence northerly, on the north and south centerline of section 17, approximately $\frac{1}{4}$ mile to the center $\frac{1}{4}$ section corner of section 17, T. 14 N., R. 18 W., Fairbanks Meridian;

Thence easterly, on the east and west centerline of section 16 and 17, approximately 1 mile to the center $\frac{1}{4}$ section corner of section 16, T. 14 N., R. 18 W., Fairbanks Meridian;

Thence northerly, on the north and south centerline of section 16, approximately $\frac{1}{4}$ mile to the $\frac{1}{4}$ section corner of sections 9 and 16, T. 14 N., R. 18 W., Fairbanks Meridian;

Thence easterly, between sections 9 and 16, approximately $\frac{1}{4}$ mile to the corner of sections 9, 10, 15 and 16, T. 14 N., R. 18 W., Fairbanks Meridian;

Thence northerly, between sections 9 and 10, approximately $\frac{1}{2}$ mile to the $\frac{1}{4}$ section corner of sections 9 and 10, T. 14 N., R. 18 W., Fairbanks Meridian;

Thence easterly, on the east and west centerline of section 10, approximately $\frac{1}{4}$ mile to the center $\frac{1}{4}$ section corner of section 10, T. 14 N., R. 18 W., Fairbanks Meridian;

Thence northerly, on the north and south centerlines of sections 10 and 3, approximately 1 mile to the center $\frac{1}{4}$ section corner of section 3, T. 14 N., R. 18 W., Fairbanks Meridian;

Thence easterly, on the east and west centerline of section 3, approximately $\frac{1}{4}$ mile to the $\frac{1}{4}$ section corner of sections 2 and 3, T. 14 N., R. 18 W., Fairbanks Meridian;

Thence northerly, between sections 2 and 3, approximately $\frac{1}{4}$ mile to the corner of sections 2, 3, 34 and 35, Tps. 14 and 15 N., R. 18 W., Fairbanks Meridian;

Thence easterly, between Tps. 14 and 15 N., approximately $\frac{1}{4}$ mile to the $\frac{1}{4}$ section corner of sections 2 and 35, Tps. 14 and 15 N., R. 18 W., Fairbanks Meridian;

Thence northerly, on the north and south centerline of section 35, approximately $\frac{1}{4}$ mile to the center $\frac{1}{4}$ section corner of section 35, T. 15 N., R. 18 W., Fairbanks Meridian;

Thence easterly, on the east and west centerlines of sections 35 and 36, approximately $\frac{1}{4}$ miles to the $\frac{1}{4}$ section corner of sections 19 and 24, T. 15 N., R. 16 and 17 W., Fairbanks Meridian;

Thence easterly, on the east and west centerline of section 19, approximately $\frac{1}{4}$ mile to the center $\frac{1}{4}$ section corner of section 19, T. 15 N., R. 16 W., Fairbanks Meridian;

Thence northerly, on the north and south centerline of sections 18 and 19, approximately $\frac{1}{4}$ miles to the $\frac{1}{4}$ section corner of sections 7 and 18, T. 15 N., R. 16 W., Fairbanks Meridian;

Thence easterly, between sections 7 and 18, 8 and 17, approximately 1 mile to the $\frac{1}{4}$ section corner of sections 8 and 17, T. 15 N., R. 16 W., Fairbanks Meridian;

Thence northerly, on the north and south centerline of sections 5 and 8, approximately 2 miles to the $\frac{1}{4}$ section corner of sections 5 and 32, Tps. 15 and 16 N., R. 16 W., Fairbanks Meridian;

Thence westerly, between Tps. 15 and 16 N., R. 16 and 17 W., approximately $\frac{1}{4}$ miles to the corner of Tps. 15 and 16 N., R. 16 and 17 W., Fairbanks Meridian;

Thence northerly, between sections 9 and 10, approximately $\frac{1}{2}$ mile to the $\frac{1}{4}$ section corner of sections 9 and 10, T. 14 N., R. 18 W., Fairbanks Meridian;

Thence easterly, on the east and west centerline of section 10, approximately $\frac{1}{4}$ mile to the center $\frac{1}{4}$ section corner of section 10, T. 14 N., R. 18 W., Fairbanks Meridian;

Thence northerly, on the north and south centerlines of sections 10 and 3, approximately 1 mile to the center $\frac{1}{4}$ section corner of section 3, T. 14 N., R. 18 W., Fairbanks Meridian;

Thence easterly, on the east and west centerline of section 3, approximately $\frac{1}{4}$ mile to the $\frac{1}{4}$ section corner of sections 2 and 3, T. 14 N., R. 18 W., Fairbanks Meridian;

Thence northerly, between sections 2 and 3, approximately $\frac{1}{4}$ mile to the corner of sections 2, 3, 34 and 35, Tps. 14 and 15 N., R. 18 W., Fairbanks Meridian;

Thence easterly, between Tps. 14 and 15 N., approximately $\frac{1}{4}$ mile to the $\frac{1}{4}$ section corner of sections 2 and 35, Tps. 14 and 15 N., R. 18 W., Fairbanks Meridian;

Thence northerly, on the north and south centerline of section 35, approximately $\frac{1}{4}$ mile to the center $\frac{1}{4}$ section corner of section 35, T. 15 N., R. 18 W., Fairbanks Meridian;

Thence easterly, on the east and west centerlines of sections 35 and 36, approximately $\frac{1}{4}$ miles to the $\frac{1}{4}$ section corner of sections 31 and 36, T. 15 N., R. 17 and 18 W., Fairbanks Meridian;

Thence southerly, between Tps. 17 and 18 W., approximately $\frac{1}{4}$ mile to the corner of Tps. 14 and 15 N., R. 17 and 18 W., Fairbanks Meridian;

Thence easterly, between Tps. 14 and 15 N., approximately $\frac{1}{4}$ miles to the $\frac{1}{4}$ section corner of sections 5 and 32, Tps. 14 and 15 N., R. 17 W., Fairbanks Meridian;

Thence southerly, on the north and south centerline of section 5, approximately $\frac{1}{4}$ mile to the center $\frac{1}{4}$ section corner of section 5, T. 14 N., R. 17 W., Fairbanks Meridian;

Thence easterly, on the east and west centerline of sections 5, 4 and 3, approximately 2 miles to the center $\frac{1}{4}$ section corner of section 3, T. 14 N., R. 17 W., Fairbanks Meridian;

Thence northerly, on the north and south centerline of section 3, approximately $\frac{1}{4}$ mile to the $\frac{1}{4}$ section corner of sections 3 and 34, Tps. 14 and 15 N., R. 17 W., Fairbanks Meridian;

- Thence northerly, between Rs. 16 and 17 W., approximately 6 miles to the closing corner of T. 15 N., Rs. 16 and 17 W., Fairbanks Meridian;
- Thence westerly, on the Fourth Standard Parallel North, approximately 1½ miles to the standard corner of T. 17 N., Rs. 16 and 17 W., Fairbanks Meridian;
- Thence northerly, between Rs. 16 and 17 W., approximately 24 miles to the closing corner of T. 20 N., Rs. 16 and 17 W., Fairbanks Meridian;
- Thence westerly, on the Fifth Standard Parallel North, approximately 1½ miles to the standard corner of T. 21 N., Rs. 16 and 17 W., Fairbanks Meridian;
- Thence northerly, between Rs. 16 and 17 W., approximately 17 miles to the corner of sections 1, 6, 7 and 12, T. 23 N., Rs. 16 and 17 W., Fairbanks Meridian;
- Thence westerly, between sections 1 and 12, 2 and 11, 3 and 10, approximately 3 miles to the corner of sections 3, 4, 9 and 10, T. 23 N., Rs. 17 W., Fairbanks Meridian;
- Thence northerly, between sections 3 and 4, approximately 1 mile to the corner of sections 3, 4, 33 and 34, Tps. 23 and 24 N., R. 17 W., Fairbanks Meridian;
- Thence westerly, between Tps. 23 and 24 N., approximately 3 miles to the corner of Tps. 23 and 24 N., Rs. 17 and 18 W., Fairbanks Meridian;
- Thence northerly, between Rs. 17 and 18 W., approximately 2 miles to the corner of sections 19, 24, 25 and 30, T. 24 N., Rs. 17 and 18 W., Fairbanks Meridian;
- Thence westerly, between sections 24 and 25, 23 and 26, 22 and 27, 21 and 28, 20 and 29, 19 and 24, 25, 23 and 26, 22 and 27, 21 and 28, 20 and 29, approximately 10½ miles to a point on the right bank of Jane Creek between sections 20 and 29, T. 24 N., R. 19 W., Fairbanks Meridian;
- Thence northwesterly, along the right bank of Jane Creek, approximately 3,400 feet to a point on the east and west centerline of section 20, T. 24 N., R. 19 W., Fairbanks Meridian;
- Thence westerly, on the east and west centerline of sections 20, 19, 24 and 23, approximately ¾ miles to the ¼ section corner of sections 22 and 23, T. 24 N., R. 20 W., Fairbanks Meridian;
- Thence northerly, between sections 22 and 23, approximately ½ mile to the corner of sections 14, 15, 22 and 23, T. 24 N., R. 20 W., Fairbanks Meridian;
- Thence westerly, between sections 15 and 22, 16 and 23, 17 and 24, 18 and 25, 19 and 26, 20 and 27, 21 and 28, 22 and 29, 23 and 30, 24 and 25, 26 and 27, 28 and 29, 30 and 31, 32 and 33, 34 and 35, 36 and 37, 38 and 39, 40 and 41, 42 and 43, 44 and 45, 46 and 47, 48 and 49, 50 and 51, 52 and 53, 54 and 55, 56 and 57, 58 and 59, 60 and 61, 62 and 63, 64 and 65, 66 and 67, 68 and 69, 70 and 71, 72 and 73, 74 and 75, 76 and 77, 78 and 79, 80 and 81, 82 and 83, 84 and 85, 86 and 87, 88 and 89, 90 and 91, 92 and 93, 94 and 95, 96 and 97, 98 and 99, 100 and 101, 102 and 103, 104 and 105, 106 and 107, 108 and 109, 110 and 111, 112 and 113, 114 and 115, 116 and 117, 118 and 119, 120 and 121, 122 and 123, 124 and 125, 126 and 127, 128 and 129, 130 and 131, 132 and 133, 134 and 135, 136 and 137, 138 and 139, 140 and 141, 142 and 143, 144 and 145, 146 and 147, 148 and 149, 150 and 151, 152 and 153, 154 and 155, 156 and 157, 158 and 159, 160 and 161, 162 and 163, 164 and 165, 166 and 167, 168 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Thence southerly, on the north and south centerlines of sections 23, 26 and 35, approximately 2 1/2 miles to the standard 1/4 section corner of section 35, T. 21 N., R. 23 W., Fairbanks Meridian;

Thence westerly, on the Fifth Standard Parallel North, approximately 2 1/2 miles to the closing corner of T. 20 N., R. 23 and 24 W., Fairbanks Meridian;

Thence southerly, between Rs. 23 and 24 W., approximately 6 miles to the corner of Tps. 19 and 20 N., R. 23 and 24 W., Fairbanks Meridian;

Thence westerly, between Tps. 19 and 20 N., approximately 3 miles to the corner of sections 3, 4, 33 and 34, Tps. 19 and 20 N., R. 24 W., Fairbanks Meridian;

Thence southerly, between sections 3 and 4, 9 and 10, 15 and 16, 21 and 22, approximately 4 miles to the corner of sections 21, 22, 27 and 28, T. 19 N., R. 24 W., Fairbanks Meridian;

Thence westerly, between sections 21 and 28, 20 and 29, approximately 2 miles to the corner of sections 19, 20, 29 and 30, T. 19 N., R. 24 W., Fairbanks Meridian;

Thence southerly, between sections 29 and 30, 31 and 32, 5 and 6, 7 and 8, 17 and 18, 19 and 20, approximately 6 miles to the corner of sections 19, 20, 29 and 30, T. 18 N., R. 24 W., Fairbanks Meridian;

Thence westerly, between sections 19 and 30, approximately 1 mile to the corner of sections 19, 24, 25 and 30, T. 18 N., R. 24 and 25 W., Fairbanks Meridian;

Thence southerly, between Rs. 24 and 25 W., approximately 2 miles to the corner of Tps. 17 and 18 N., R. 24 and 25 W., Fairbanks Meridian;

Thence westerly, between Tps. 17 and 18 N., approximately 5 miles to the corner of sections 5, 6, 31 and 32, Tps. 17 and 18 N., R. 25 W., Fairbanks Meridian;

Thence southerly, between sections 5 and 6, 7 and 8, 17 and 18, 19 and 20, approximately 3 1/2 miles to the 1/4 section corner of sections 19 and 20, T. 17 N., R. 25 W., Fairbanks Meridian;

Thence easterly, on the east and west centerlines of sections 20, 21, 22 and 23, approximately 4 miles to the 1/4 section corner of sections 23 and 24, T. 17 N., R. 25 W., Fairbanks Meridian;

Thence southerly, between sections 23 and 24, 25 and 26, approximately 1 mile to the 1/4 section corner of sections 25 and 26, T. 17 N., R. 25 W., Fairbanks Meridian;

Thence easterly, on the east and west centerline of section 25, approximately 1/2 mile to the center 1/4 section corner of section 25, T. 17 N., R. 25 W., Fairbanks Meridian;

Thence southerly, on the north and south centerlines of sections 25 and 36, approximately 1 1/4 miles to the standard 1/4 section corner of section 36, T. 17 N., R. 25 W., Fairbanks Meridian;

Thence westerly, on the Fourth Standard Parallel North, approximately 240 feet to the 1/4 section corner of section 3, T. 16 N., R. 25 W., Fairbanks Meridian;

Thence southerly, on the north and south centerlines of sections 3, 10 and 15, approximately 3 miles to the 1/4 section corner of sections 15 and 22, T. 16 N., R. 25 W., Fairbanks Meridian;

Thence easterly, between sections 15 and 22, approximately 1/2 mile to the corner of sections 14, 15, 22 and 23, T. 16 N., R. 25 W., Fairbanks Meridian;

Thence southerly, between sections 22 and 23, 26 and 27, approximately 2 miles to the corner of sections 26, 27, 34 and 35, T. 16 N., R. 25 W., Fairbanks Meridian;

Thence westerly, between sections 27 and 34, approximately 1/2 mile to the 1/4 section corner of sections 27 and 34, T. 16 N., R. 25 W., Fairbanks Meridian;

Thence southerly, on the north and south centerline of section 34, approximately 1/2 mile to the center 1/4 section corner of section 34, T. 16 N., R. 25 W., Fairbanks Meridian;

Thence westerly, on the east and west centerline of section 34, approximately 1/2 mile to the 1/4 section corner of sections 33 and 34, T. 16 N., R. 25 W., Fairbanks Meridian;

Thence southerly, between sections 33 and 34, 3 and 4, 9 and 10, approximately 2 miles to the 1/4 section corner of sections 9 and 10, T. 15 N., R. 25 W., Fairbanks Meridian;

Thence easterly, on the east and west centerline of section 10, approximately 1/2 mile to the center 1/4 section corner of section 10, T. 15 N., R. 25 W., Fairbanks Meridian;

Thence southerly, on the north and south centerline of sections 10 and 15, approximately 1 mile to the center 1/4 section corner of section 15, T. 15 N., R. 25 W., Fairbanks Meridian;

Thence westerly, on the east and west centerline of section 15, approximately 1/2 mile to the 1/4 section corner of sections 15 and 16, T. 15 N., R. 25 W., Fairbanks Meridian;

The following USGS quadrangle maps were used to prepare the legal description of the Kanuti National Wildlife Refuge:

Revised	Scale of Map	Name and Date
1:63,360	1:63,360	Tanana (D-4) 1956 or 1972; (D-5), (D-6) 1956.
1:63,360	1:63,360	Bettles (A-2), (A-3), (A-4), (A-5), (B-3), (B-6), (C-3), (C-5), (C-6), (D-3), (D-4), (D-5) 1970.

Thence southerly, between sections 15 and 16, 21 and 22, 27 and 28, 33 and 34, approximately 3 miles to the $\frac{1}{4}$ section corner of sections 33 and 34, T. 15 N., R. 25 W., Fairbanks Meridian;

Thence easterly, on the east and west centerline of section 34, approximately $\frac{1}{4}$ mile to the center $\frac{1}{4}$ section corner of section 34, T. 15 N., R. 25 W., Fairbanks Meridian;

Thence southerly, on the north and south centerline of section 34, approximately $\frac{1}{4}$ mile to the $\frac{1}{4}$ section corner of sections 3 and 34, Tps. 14 and 15 N., R. 25 W., Fairbanks Meridian;

Thence easterly, between Tps. 14 and 15 N., approximately 1 mile to the $\frac{1}{4}$ section corner of sections 2 and 35, Tps. 14 and 15 N., R. 25 W., Fairbanks Meridian;

Thence southerly, on the north and south centerlines of sections 2 and 11, approximately 2 miles to the $\frac{1}{4}$ section corner of sections 11 and 14, T. 14 N., R. 25 W., Fairbanks Meridian;

Thence easterly, between sections 11 and 14, 12 and 13, approximately $\frac{1}{4}$ miles to the corner of sections 7, 12, 13 and 18, T. 14 N., R. 24 and 25 W., Fairbanks Meridian;

Thence southerly, between Rs. 24 and 25 W., approximately 1 mile to the corner of sections 13, 18, 19 and 24, T. 14 N., R. 24 and 25 W., Fairbanks Meridian;

Thence easterly, between sections 18 and 19, 17 and 20, approximately 2 miles to the corner of sections 16, 17, 20 and 21, T. 14 N., R. 24 W., Fairbanks Meridian;

Thence southerly, between sections 20 and 21, 28 and 29, approximately $\frac{1}{4}$ miles to the $\frac{1}{4}$ section corner of sections 28 and 29, T. 14 N., R. 24 W., Fairbanks Meridian;

Thence easterly, on the east and west centerlines of sections 27 and 28, approximately $\frac{1}{4}$ miles to the center $\frac{1}{4}$ section corner of section 27, T. 14 N., R. 24 W., Fairbanks Meridian;

Thence southerly, on the north and south centerlines of sections 27 and 34, approximately $\frac{1}{4}$ miles to the $\frac{1}{4}$ section corner of sections 3 and 34, Tps. 13 and 14 N., R. 24 W., Fairbanks Meridian;

Thence easterly, between Tps. 13 and 14 N., approximately 23 miles to the $\frac{1}{4}$ section corner of sections 4 and 33, Tps. 13 and 14 N., R. 20 W., Fairbanks Meridian, the place of beginning.

*Department of the Interior 1:250,000 scale map issued in 1981, incorrectly depicts this portion of the description.

KANUTI NATIONAL WILDLIFE REFUGE

PUBLIC LAW 96-487

KENAI NATIONAL WILDLIFE REFUGE

Section 303 (4):

"The Kenai National Wildlife Refuge shall consist of the existing Kenai National Moose Range, including lands, waters, interests, and whatever submerged lands, if any, were retained in Federal ownership at the time of statehood, which shall be redesignated as the Kenai National Wildlife Refuge, and an addition of approximately two hundred and forty thousand acres of public lands as generally depicted on the map entitled 'Kenai National Wildlife Refuge', dated October 1978, excluding lands described in P.L.O. 3953, March 21, 1966, and P.L.O. 4056, July 22, 1966, withdrawing lands for the Bradley Lake Hydroelectric Project."

The Kenai National Wildlife Refuge consists of the public lands, as defined by the ANILCA, within the following boundary:

Beginning at the standard corner of sections 33 and 34, T. 8 S., R. 10 W., Seward Meridian;

Thence westerly, on the Second Standard Parallel South, approximately 3 miles to the standard corner of T. 8 S., R. 10 and 11 W., Seward Meridian;

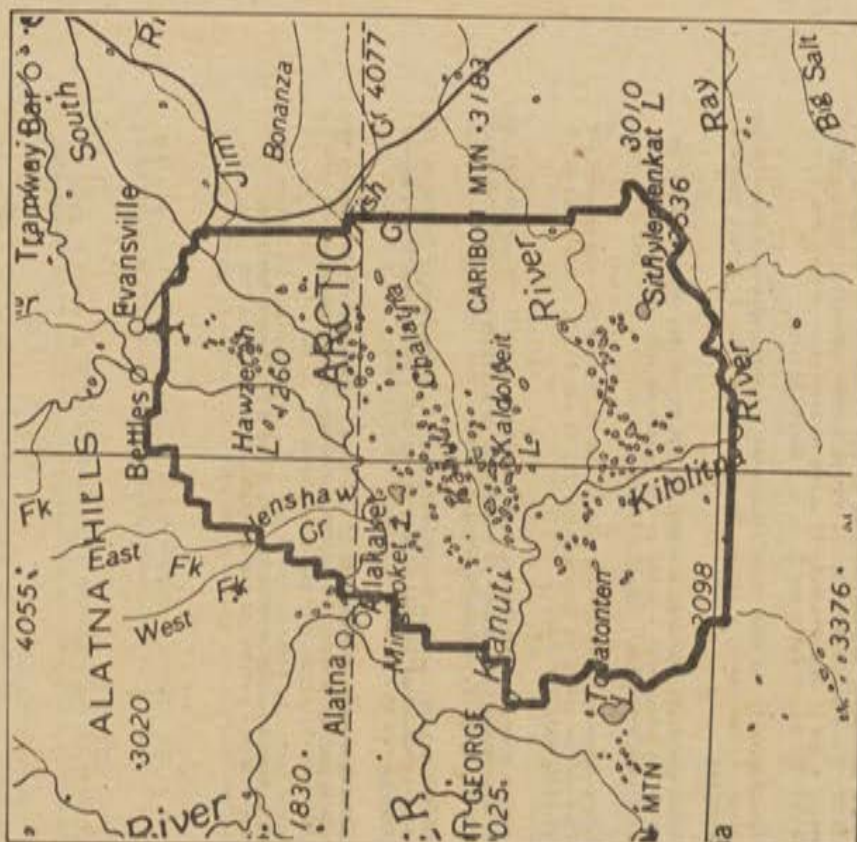
Thence northerly, between Rs. 10 and 11 W., approximately 18 miles to the corner of Tps. 5 and 6 S., Rs. 10 and 11 W., Seward Meridian;

Thence easterly, between Tps. 5 and 6 S., approximately 12 miles to the corner of Tps. 5 and 6 S., Rs. 8 and 9 W., Seward Meridian;

Thence northerly, between Rs. 8 and 9 W., approximately 6 miles to the closing corner of T. 5 S., Rs. 8 and 9 W., Seward Meridian;

Thence westerly, on the First Standard Parallel South, approximately 3 1/2 miles to the standard corner of sections 33 and 34, T. 4 S., R. 9 W., Seward Meridian;

Thence northerly, between sections 33 and 34, 27 and 28, 21 and 22, 15 and 16, 9 and 10, 3 and 4, 33 and 34, approximately 6 1/2 miles to the meander corner of sections 33 and 34, T. 3 S., R. 9 W., Seward Meridian;



LEGEND
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Thence on an approximate bearing of N. 45° W., approximately 2.8 miles to the corner of sections 19, 20, 29 and 30, T. 3 S., R. 9 W., Seward Meridian;

Thence northerly, between sections 19 and 20, 17 and 18, 7 and 8, approximately 3 miles to the corner of sections 5, 6, 7 and 8, T. 3 S., R. 9 W., Seward Meridian;

Thence westerly, between sections 6 and 7, 1 and 12, 2 and 11, 3 and 10, 4 and 9, 5 and 8, 6 and 7, 1 and 12, approximately 8 miles to the corner of sections 1, 2, 11 and 12, T. 3 S., R. 11 W., Seward Meridian;

Thence northerly, between sections 1 and 2, 35 and 36, 25 and 26, 23 and 24, 13 and 14, 11 and 12, 1 and 2, 35 and 36, 25 and 26, 23 and 24, 13 and 14, 11 and 12, 1 and 2, approximately 13 miles to the closing corner of sections 1 and 2, T. 1 S., R. 11 W., Seward Meridian;

Thence westerly, on the Seward Baseline, approximately 3.8 miles to the standard corner of sections 32 and 33, T. 1 N., R. 11 W., Seward Meridian;

Thence northerly, between sections 32 and 33, 28 and 29, 20 and 21, 16 and 17, 8 and 9, 4 and 5, 32 and 33, 28 and 29, 20 and 21, 16 and 17, 8 and 9, 4 and 5, approximately 12 miles to the corner of sections 4, 5, 32 and 33, Tps. 2 and 3 N., R. 11 W., Seward Meridian;

Thence easterly, between Tps. 2 and 3 N., approximately 1 mile to the corner of sections 3, 4, 33 and 34, Tps. 2 and 3 N., R. 11 W., Seward Meridian;

Thence northerly, between sections 33 and 34, 27 and 28, 21 and 22, 15 and 16, approximately 4 miles to the corner of sections 9, 10, 15 and 16, T. 3 N., R. 11 W., Seward Meridian;

Thence easterly, between sections 10 and 15, 11 and 14, approximately 2 miles to the corner of sections 11, 12, 13 and 14, T. 3 N., R. 11 W., Seward Meridian;

Thence northerly, between sections 11 and 12, 1 and 2, 35 and 36, 25 and 26, approximately 4 miles, to the corner of sections 23, 24, 25 and 26, T. 4 N., R. 11 W., Seward Meridian;

Thence easterly, between sections 24 and 25, approximately 1 mile to the corner of sections 19, 24, 25 and 30, T. 4 N., R. 10 and 11 W., Seward Meridian;

Thence northerly, between Rs. 10 and 11 W., approximately 4 miles to the closing corner of T. 4 N., R. 10 and 11 W., Seward Meridian;

Thence easterly, between Tps. 4 and 5 N., approximately 17.3 miles to the standard corner of T. 5 N., R. 7 and 8 W., Seward Meridian;

Thence northerly, between Rs. 7 and 8 W., approximately 6 miles to the corner of Tps. 5 and 6 N., R. 7 and 8 W., Seward Meridian;

Thence westerly, between Tps. 5 and 6 N., approximately 17 miles to the corner of sections 5, 6, 31 and 32, Tps. 5 and 6 N., R. 10 W., Seward Meridian;

Thence northerly, between sections 31 and 32, approximately 1 mile to the corner of sections 29, 30, 31 and 32, T. 6 N., R. 10 W., Seward Meridian;

Thence westerly, between sections 30 and 31, approximately 1/2 mile to the 1/4 section corner of sections 30 and 31, T. 6 N., R. 10 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 30, approximately 1 mile to the 1/4 section corner of sections 19 and 30, T. 6 N., R. 10 W., Seward Meridian;

Thence westerly, between sections 19 and 30, approximately 1/2 mile to the corner of sections 19, 24, 25 and 30, T. 6 N., R. 10 and 11 W., Seward Meridian;

Thence northerly, between Rs. 10 and 11 W., approximately 1 mile to the corner of sections 13, 18, 19 and 24, T. 6 N., R. 10 and 11 W., Seward Meridian;

Thence westerly, between sections 13 and 24, 14 and 23, approximately 2 miles to the corner of sections 14, 15, 22 and 23, T. 6 N., R. 11 W., Seward Meridian;

Thence northerly, between sections 14 and 15, 10 and 11, 2 and 3, 34 and 35, 26 and 27, 22 and 23, approximately 6 miles to the corner of sections 14, 15, 22 and 23, T. 7 N., R. 11 W., Seward Meridian;

Thence easterly, between sections 14 and 23, 13 and 24, approximately 2 miles to the corner of sections 13, 18, 19 and 24, T. 7 N., R. 10 and 11 W., Seward Meridian;

Thence northerly, between Rs. 10 and 11 W., approximately 2 miles to the corner of sections 1, 6, 7 and 12, T. 7 N., R. 10 and 11 W., Seward Meridian;

Thence easterly, between sections 6 and 7, approximately 1 mile to the corner of sections 5, 6, 7 and 8, T. 7 N., R. 10 W., Seward Meridian;

Thence northerly, between sections 5 and 6, 31 and 32, 29 and 30, 19 and 20, approximately 4 miles to the corner of sections 17, 18, 19 and 20, T. 8 N., R. 10 W., Seward Meridian;

Thence easterly, between sections 17 and 20, 16 and 21, 15 and 22, approximately 2 1/2 miles to the west 1/16 section corner of sections 15 and 22, T. 8 N., R. 10 W., Seward Meridian;

Thence easterly, between sections 6 and 7, approximately 1 mile to the corner of sections 5, 6, 7 and 8, T. 9 N., R. 8 W., Seward Meridian;

Thence northerly, between sections 5 and 6, approximately 1 mile to the corner of sections 5, 6, 31 and 32, Tps. 9 and 10 N., R. 8 W., Seward Meridian;

Thence easterly, between Tps. 9 and 10 N., approximately 2 miles to the corner of sections 3, 4, 33 and 34, Tps. 9 and 10 N., R. 8 W., Seward Meridian;

Thence northerly, between sections 33 and 34, approximately 1 mile to the corner of sections 27, 28, 33 and 34, T. 10 N., R. 8 W., Seward Meridian;

Thence easterly, between sections 27 and 34, approximately 1 mile to the corner of sections 26, 27, 34 and 35, T. 10 N., R. 8 W., Seward Meridian;

Thence northerly, between sections 26 and 27, approximately 1 mile to the corner of sections 22, 23, 26 and 27, T. 10 N., R. 8 W., Seward Meridian;

Thence easterly, between sections 23 and 26, 24 and 25, approximately 2 miles to the corner of sections 19, 24, 25 and 30, T. 10 N., R. 7 and 8 W., Seward Meridian;

Thence northerly, between Rs. 7 and 8 W., approximately 1 mile to the corner of sections 13, 18, 19 and 24, T. 10 N., R. 7 and 8 W., Seward Meridian;

Thence easterly, between sections 18 and 19, 17 and 20, approximately 2 miles to the corner of sections 16, 17, 20 and 21, T. 10 N., R. 7 W., Seward Meridian;

Thence northerly, between sections 16 and 17, approximately 1 mile to the corner of sections 8, 9, 16 and 17, T. 10 N., R. 7 W., Seward Meridian;

Thence easterly, between sections 9 and 16, approximately 1 mile to the corner of sections 9, 10, 15 and 16, T. 10 N., R. 7 W., Seward Meridian;

Thence northerly, between sections 9 and 10, approximately 1 mile to the corner of sections 3, 4, 9 and 10, T. 10 N., R. 7 W., Seward Meridian;

Thence easterly, between sections 3 and 10, 2 and 11, approximately 2 miles to the corner of sections 1, 2, 11 and 12, T. 10 N., R. 7 W., Seward Meridian;

Thence northerly, between sections 1 and 2, 35 and 36, approximately 2 miles to the corner of sections 25, 26, 35 and 36 T. 11 N., R. 7 W., Seward Meridian;

Thence northerly, on the north and south centerlines of the south west $\frac{1}{4}$ and the northeast $\frac{1}{4}$ of section 15, approximately 1 mile to the west $\frac{1}{16}$ section corner of sections 10 and 15, T. 8 N., R. 10 W., Seward Meridian;

Thence easterly, between sections 10 and 15, 11 and 14, approximately 1 $\frac{3}{4}$ miles to the corner of sections 11, 12, 13 and 14, T. 8 N., R. 10 W., Seward Meridian;

Thence northerly, between sections 11 and 12, 1 and 2, approximately 2 miles to the closing corner of sections 1 and 2, T. 8 N., R. 10 W., Seward Meridian;

Thence easterly, on the Second Standard Parallel North, approximately 0.9 mile to the standard $\frac{1}{4}$ section corner of section 31, T. 9 N., R. 9 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 31, approximately 1 mile, to the $\frac{1}{4}$ section corner of sections 30 and 31, T. 9 N., R. 9 W., Seward Meridian;

Thence easterly, between sections 30 and 31, 29 and 32, 28 and 33, approximately $\frac{3}{4}$ miles to the corner of sections 27, 28, 33 and 34, T. 9 N., R. 9 W., Seward Meridian;

Thence northerly, between sections 27 and 28, approximately 1 mile to the corner of sections 21, 22, 27 and 28, T. 9 N., R. 9 W., Seward Meridian;

Thence easterly, between sections 22 and 27, approximately 1 mile to the corner of sections 22, 23, 26 and 27, T. 9 N., R. 9 W., Seward Meridian;

Thence northerly, between sections 22 and 23, approximately 1 mile to the corner of sections 14, 15, 22 and 23, T. 9 N., R. 9 W., Seward Meridian;

Thence easterly, between sections 14 and 23, approximately 1 mile to the corner of sections 13, 14, 23 and 24, T. 9 N., R. 9 W., Seward Meridian;

Thence northerly, between sections 13 and 14, approximately 1 mile to the corner of sections 11, 12, 13 and 14, T. 9 N., R. 9 W., Seward Meridian;

Thence easterly, between sections 12 and 13, approximately 1 mile to the corner of sections 7, 12, 13 and 18, T. 9 N., R. 8 and 9 W., Seward Meridian;

Thence northerly, between Rs. 8 and 9 W., approximately 1 mile to the corner of sections 1, 6, 7 and 12, T. 9 N., R. 8 and 9 W., Seward Meridian;

Thence across the divide, on an approximate forward bearing of S. 83° E., approximately 1½ miles to an intersection with Summit Creek in section 28, T. 3 N., R. 3 W., Seward Meridian;

Thence down Summit Creek and Resurrection River, following the thread of the stream, approximately 1½ miles to a point where an unnamed stream flows easterly into Resurrection River, located in section 34, T. 3 N., R. 3 W., Seward Meridian;

Thence on an approximate forward bearing of S. 30° W., approximately 1.7 miles to Vertical Angle Bench Mark "Mender," located in section 9, T. 2 N., R. 3 W., Seward Meridian, approximate elevation 3,205 feet;

Thence on an approximate forward bearing of S. 17° E., approximately 1.8 miles to the summit of a mountain located in the southeasterly portion of section 15, T. 2 N., R. 3 W., Seward Meridian, approximate elevation 5,207 feet;

Thence on an approximate forward bearing of S. 2° E., approximately 4.9 miles to the summit of a mountain located in the southeasterly portion of section 10, T. 1 N., R. 3 W., Seward Meridian, approximate elevation 5,300 feet;

Thence on an approximate forward bearing of S. 65° W., over Harding Ice Field, approximately 13.9 miles to the summit of a mountain located in section 9, T. 1 S., R. 5 W., Seward Meridian, approximate elevation 5,355 feet;

Thence on an approximate forward bearing of S. 18½° E., over Harding Ice Field, approximately 9.2 miles to the summit of a mountain located in section 25, T. 2 S., R. 5 W., Seward Meridian, approximate elevation 5,244 feet;

Thence on an approximate forward bearing of S. 47° W., over Harding Ice Field, approximately 12.3 miles to the summit of a mountain located in section 4, T. 4 S., R. 6 W., Seward Meridian, approximate elevation 5,873 feet;

Thence on an approximate forward bearing of S. 4° W., across Chernoff Glacier, approximately 1½ miles to the summit of a mountain located near the section corner of sections 5, 6, 31 and 32, Tps. 5 and 6 S., R. 6 W., Seward Meridian, approximate elevation 5,375 feet;

Thence on an approximate forward bearing of N. 49° W., approximately 500 feet to an intersection with the township line between Tps. 5 and 6 S., R. 6 W., Seward Meridian;

Thence westerly, between Tps. 5 and 6 S., approximately 11 miles to the corner of sections 4, 5, 32 and 33, Tps. 5 and 6 S., R. 8 W., Seward Meridian;

Thence easterly, between sections 25 and 36, 30 and 31, approximately 2 miles to the corner of sections 29, 30, 31 and 32, T. 11 N., R. 6 W., Seward Meridian;

Thence northerly, between sections 29 and 30, 19 and 20, 17 and 18, approximately 2.1 miles to the meander corner of sections 17 and 18, T. 11 N., R. 6 W., Seward Meridian;

Thence easterly, southeasterly, northeasterly, along the line of mean high tide of Turnagain Arm and Chickaloon Bay, approximately 27 miles to the special meander corner on the north and south centerline of section 14, T. 10 N., R. 3 W., Seward Meridian;

Thence on an approximate forward bearing of S. 30° E., approximately 1 mile to the northeasterly summit of a ridge, located in the northwesterly portion of section 24, T. 10 N., R. 3 W., Seward Meridian, approximate elevation 2,350 feet;

Thence on an approximate forward bearing of S. 81° E., approximately ¼ mile to the summit of a ridge in the north central portion of section 24, T. 10 N., R. 3 W., Seward Meridian, approximate elevation 2,650 feet;

Thence on an approximate forward bearing of S. 40° E., approximately 3/4 mile to Vertical Angle Bench Mark "Hope" located in the southeasterly portion of section 24, T. 10 N., R. 3 W., Seward Meridian, approximate elevation 3,708 feet;

Thence on an approximate forward bearing of S. 48° W., approximately 1 mile to the crest of the divide between the Resurrection Creek and Indian Creek drainages, located in the westerly portion of section 25, T. 10 N., R. 3 W., Seward Meridian, approximate elevation 3,950 feet;

Thence southerly, along the crest of the divide between Resurrection Creek and Indian Creek drainages, and descending a spur ridge, approximately 26 miles to the confluence of Chickaloon River and an unnamed creek, located in the southeasterly portion of section 1, T. 6 N., R. 4 W., Seward Meridian;

*Thence northwesterly, along the centerline of the Chickaloon River, approximately 4½ miles to a point due North of the thread of the Russian River at its junction with the Kenai River, in the westerly portion of section 33, T. 7 N., R. 4 W., Seward Meridian;

Thence due South, approximately 1½ miles to the junction of the Russian River with the Kenai River in section 33, T. 5 N., R. 4 W., Seward Meridian;

Thence up the Russian River, following the thread of the stream, approximately 16 miles to the head of Upper Russian Lake located in section 30, T. 3 N., R. 3 W., Seward Meridian;

UNITS OF THE NATIONAL WILDERNESS PRESERVATION SYSTEM
WITHIN THE KENAI NATIONAL WILDLIFE REFUGE:

Section 702 (7):

"Kenai Wilderness of approximately one million three hundred and fifty thousand acres as generally depicted on a map entitled 'Kenai National Wildlife Refuge', dated October 1978."

The Kenai Wilderness consists of the public lands, as defined by the ANILCA, within the following boundaries:

Andy Sloons Unit

Beginning at the standard corner of sections 33 and 34, T. 8 S., R. 10 W., Seward Meridian;

Thence westerly, on the Second Standard Parallel South, approximately 3 miles to the standard corner of T. 8 S., R. 10 and 11 W., Seward Meridian;

Thence northerly, between Rs. 10 and 11 W., approximately 18 miles to the corner of Tps. 5 and 6 S., R. 10 and 11 W., Seward Meridian;

Thence easterly, between Tps. 5 and 6 S., approximately 12 miles to the corner of Tps. 5 and 6 S., R. 8 and 9 W., Seward Meridian;

Thence northerly, between Rs. 8 and 9 W., approximately 6 miles to the closing corner of T. 5 S., R. 8 and 9 W., Seward Meridian;

Thence westerly, on the First Standard Parallel South, approximately 3 1/2 miles to the standard corner of sections 33 and 34, T. 4 S., R. 9 W., Seward Meridian;

Thence northerly, between sections 33 and 34, 27 and 28, 21 and 22, 15 and 16, 9 and 10, 3 and 4, 33 and 34, approximately 6 1/2 miles to the meander corner of sections 33 and 34 on the left bank of Snesp Creek, T. 3 S., R. 9 W., Seward Meridian;

Thence on an approximate forward bearing of N. 45° W., approximately 2.8 miles to the corner of sections 19, 20, 29 and 30, T. 3 S., R. 9 W., Seward Meridian;

Thence southerly, between sections 4 and 5, approximately 1 mile to the corner of sections 4, 5, 8 and 9, T. 6 S., R. 8 W., Seward Meridian;

Thence westerly, between sections 5 and 8, 6 and 7, approximately 2 miles to the corner of sections 1, 6, 7 and 12, T. 6 S., R. 8 and 9 W., Seward Meridian;

Thence southerly, between Rs. 8 and 9 W., approximately 3 miles to the corner of sections 19, 24, 25 and 30, T. 6 S., R. 8 and 9 W., Seward Meridian;

Thence westerly, between sections 24 and 25, 23 and 26, 22 and 27, approximately 3 miles to the corner of sections 21, 22, 27 and 28, T. 6 S., R. 9 W., Seward Meridian;

Thence southerly, between sections 27 and 28, 33 and 34, 3 and 4, 9 and 10, approximately 4 miles to the corner of sections 9, 10, 15 and 16, T. 7 S., R. 9 W., Seward Meridian;

Thence westerly, between sections 9 and 16, approximately 1 mile to the corner of sections 8, 9, 16 and 17, T. 7 S., R. 9 W., Seward Meridian;

Thence southerly, between sections 16 and 17, 20 and 21, 28 and 29, 32 and 33, 4 and 5, approximately 5 miles to the corner of sections 4, 5, 8 and 9, T. 8 S., R. 9 W., Seward Meridian;

Thence westerly, between sections 5 and 8, approximately 1 mile to the corner of sections 5, 6, 7 and 8, T. 8 S., R. 9 W., Seward Meridian;

Thence southerly, between sections 7 and 8, 17 and 18, approximately 2 miles to the corner of sections 17, 18, 19 and 20, T. 8 S., R. 9 W., Seward Meridian;

Thence westerly, between sections 18 and 19, 13 and 24, 14 and 23, 15 and 22, approximately 4 miles to the corner of sections 15, 16, 21 and 22, T. 8 S., R. 10 W., Seward Meridian;

Thence southerly, between sections 21 and 22, 27 and 28, 33 and 34, approximately 3 miles to the standard corner of sections 33 and 34, on the south boundary of T. 8 S., R. 10 W., Seward Meridian, the place of beginning.

Thence southerly, between sections 21 and 22, 27 and 28, 33 and 34, approximately 3 miles to the standard corner of sections 33 and 34, on the south boundary of T. 8 S., R. 10 W., Seward Meridian, the place of beginning.

*Department of the Interior 1:250,000 scale map issued in 1981, incorrectly depicts this portion of the description.

Thence northerly, between sections 19 and 20, 17 and 18, 7 and 8, approximately 3 miles to the corner of sections 5, 6, 7 and 8, T. 3 S., R. 9 W., Seward Meridian;

Thence westerly, between sections 6 and 7, 1 and 12, 2 and 11, 3 and 10, 4 and 9, 5 and 8, 6 and 7, 1 and 12, approximately 8 miles to the corner of sections 1, 2, 11 and 12, T. 3 S., R. 11 W., Seward Meridian;

Thence northerly, between sections 1 and 2, 35 and 26, 23 and 24, 13 and 14, 11 and 12, 1 and 2, 35 and 26, 23 and 24, 13 and 14, 11 and 12, 1 and 2, approximately 13 miles to the closing corner of sections 1 and 2, T. 1 S., R. 11 W., Seward Meridian;

Thence easterly, along the Seward Base Line, approximately 2,000 feet to the standard corner of T. 1 N., Rs. 10 and 11 W., Seward Meridian;

Thence northerly, between Rs. 10 and 11 W., approximately 1 mile to the corner of sections 25, 30, 31 and 36, T. 1 N., Rs. 10 and 11 W., Seward Meridian;

Thence easterly, between sections 30 and 31, 29 and 32, 28 and 33, approximately 3 miles to the corner of sections 27, 28, 33 and 34, T. 1 N., R. 10 W., Seward Meridian;

Thence northerly, between sections 27 and 28, 21 and 22, 15 and 16, approximately 2 1/2 miles to the 1/4 section corner of sections 15 and 16, T. 1 N., R. 10 W., Seward Meridian;

Thence westerly, on the east and west centerlines of sections 16, 17 and 18, approximately 3 miles to the 1/4 section corner of sections 13 and 18, T. 1 N., Rs. 10 and 11 W., Seward Meridian;

Thence northerly, between Rs. 10 and 11 W., approximately 3 miles to the meander corner of sections 31 and 36, T. 2 N., Rs. 10 and 11 W., Seward Meridian, at the line of mean high water on the Tustumena Lake;

Thence westerly, northeasterly and southeasterly, along the line of mean high water of Tustumena Lake, approximately 12 miles to the meander corner of sections 2 and 3, T. 2 N., R. 10 W., Seward Meridian;

Thence northerly, between sections 2 and 3, 34 and 35, approximately 1 3/4 miles to the corner of sections 26, 27, 34 and 35, T. 3 N., R. 10 W., Seward Meridian;

Thence easterly, between sections 26 and 35, 25 and 36, 30 and 31, 29 and 32, 28 and 33, 27 and 34, 26 and 35, approximately 7 miles to the corner of sections 25, 26, 35 and 36, T. 3 N., R. 9 W., Seward Meridian;

Thence northerly, between sections 25 and 26, 23 and 24, 13 and 14, 11 and 12, approximately 3 1/2 miles to the 1/4 section corner of sections 11 and 12, T. 3 N., R. 9 W., Seward Meridian;

Thence westerly, on the east and west centerline of section 11, approximately 1 mile to the 1/4 section corner of sections 10 and 11, T. 3 N., R. 9 W., Seward Meridian;

Thence northerly, between sections 10 and 11, 2 and 3, 34 and 35, 26 and 27, 22 and 23, approximately 4 1/2 miles to the corner of sections 14, 15, 22 and 23, T. 4 N., R. 9 W., Seward Meridian;

Thence easterly, between sections 14 and 23, approximately 1/2 mile to the 1/4 section corner of sections 14 and 23, T. 4 N., R. 9 W., Seward Meridian;

Thence northerly, on the north and south centerlines of sections 14, 11 and 2, approximately 3 miles to the 1/4 section corner of section 2, T. 4 N., R. 9 W., Seward Meridian, on the Kernal National Wildlife Refuge boundary;

Thence easterly, between Tps. 4 and 5 N., approximately 6 miles to the 1/4 section corner of section 2, T. 4 N., R. 8 W., Seward Meridian;

Thence southerly, along the north and south centerline of section 2, approximately 1 mile to the 1/4 section corner of sections 2 and 11, T. 4 N., R. 8 W., Seward Meridian;

Thence easterly, between sections 2 and 11, 1 and 12, approximately 1 1/4 miles to the left bank of the Kernal River on the section line between sections 1 and 12, T. 4 N., R. 8 W., Seward Meridian;

Thence easterly, southeasterly, easterly, northeasterly, northeasterly and northeasterly, along the left bank of the Kernal River and the southerly and easterly shore of Skilak Lake, and again northeasterly, along the left bank of the Kernal River, approximately 35 1/2 miles to a point on the southerly right-of-way of a powerline, located in the northwesterly portion of section 32, T. 5 N., R. 4 W., Seward Meridian;

Thence southeasterly and easterly, along the southerly right-of-way of a powerline, approximately 1 1/2 miles to a point on the Kernal National Wildlife Refuge boundary located on the thread of the Russian River in the easterly portion in section 33, T. 5 N., R. 4 W., Seward Meridian;

Thence up the Russian River, following the thread of the stream, approximately 15 miles to the head of Upper Russian Lake located in section 30, T. 3 N., R. 3 W., Seward Meridian;

Thence westerly, between sections 5 and 8, 6 and 7, approximately 2 miles to the corner of sections 1, 6, 7 and 12, T. 6 S., Rs. 8 and 9 W., Seward Meridian;

Thence southerly, following the range line between Rs. 8 and 9 W., approximately 3 miles to the corner of sections 19, 24, 25 and 30, T. 6 S., Rs. 8 and 9 W., Seward Meridian;

Thence westerly, between sections 24 and 25, 23 and 26, 22 and 27, approximately 3 miles to the corner of sections 21, 22, 27 and 28, T. 6 S., R. 9 W., Seward Meridian;

Thence southerly, between sections 27 and 28, 33 and 34, 3 and 4, 9 and 10, approximately 4 miles to the corner of sections 9, 10, 15 and 16, T. 7 S., R. 9 W., Seward Meridian;

Thence westerly, between sections 9 and 16, approximately 1 mile to the corner of sections 8, 9, 16 and 17, T. 7 S., R. 9 W., Seward Meridian;

Thence southerly, between sections 16 and 17, 20 and 21, 28 and 29, 32 and 33, 4 and 5, approximately 5 miles to the corner of sections 4, 5, 8 and 9, T. 8 S., R. 9 W., Seward Meridian;

Thence westerly, between sections 5 and 8, approximately 1 mile to the corner of sections 5, 6, 7 and 8, T. 8 S., R. 9 W., Seward Meridian;

Thence southerly, between sections 7 and 8, 17 and 18, approximately 2 miles to the corner of sections 17, 18, 19 and 20, T. 8 S., R. 9 W., Seward Meridian;

Thence westerly, between sections 18 and 19, 13 and 24, 14 and 23, 15 and 22, approximately 4 miles to the corner of sections 15, 16, 21 and 22, T. 8 S., R. 10 W., Seward Meridian;

Thence southerly, between sections 21 and 22, 27 and 28, 33 and 34, approximately 3 miles to the standard corner of sections 33 and 34, on the south boundary of T. 8 S., R. 10 W., Seward Meridian, the place of the beginning.

All of Lucas Island, located in sections 28 and 29, T. 4 N., R. 5 W., Seward Meridian, is included within the Kenai Wilderness, Andy Simons Unit.

Cenozoic Lakes Unit

Beginning at the corner of sections 19, 24, 25 and 30, T. 7 N., Rs. 5 and 6 W., Seward Meridian;

Thence across the divide, on an approximate forward bearing of S. 83 1/2° E., approximately 1 1/2 miles to an intersection with Summit Creek in section 28, T. 3 N., R. 3 W., Seward Meridian;

Thence down Summit Creek and Resurrection River, following the thread of the streams, approximately 1 1/2 miles to a point where an unnamed stream flows easterly into Resurrection River, located in section 34, T. 3 N., R. 3 W., Seward Meridian;

Thence on an approximate forward bearing of S. 30° W., approximately 1.7 miles to Vertical Angle Bench Mark "Merker," located in section 9, T. 2 N., R. 3 W., Seward Meridian, approximate elevation 3,205 feet;

Thence on an approximate forward bearing of S. 17° E., approximately 1.8 miles to the summit of a mountain located in the southwesterly portion of section 15, T. 2 N., R. 3 W., Seward Meridian, approximate elevation 5,217 feet;

Thence on an approximate forward bearing of S. 2° E., approximately 4.9 miles to the summit of a mountain located in the southwesterly portion of section 10, T. 1 N., R. 3 W., Seward Meridian, approximate elevation 5,300 feet;

Thence on an approximate forward bearing of S. 65° W., over Harding Ice Field, approximately 13.9 miles to the summit of a mountain located in section 9, T. 1 S., R. 5 W., Seward Meridian, approximate elevation 5,355 feet;

Thence on an approximate forward bearing of S. 18 1/2° E., over Harding Ice Field, approximately 9.2 miles to the summit of a mountain located in section 25, T. 2 S., R. 5 W., Seward Meridian, approximate elevation 5,244 feet;

Thence on an approximate forward bearing of S. 47° W., over Harding Ice Field, approximately 12.3 miles to the summit of a mountain located in section 4, T. 4 S., R. 6 W., Seward Meridian, approximate elevation 5,873 feet;

Thence on an approximate forward bearing of S. 4° W., across Chernoff Glacier, approximately 1 1/2 miles to the summit of a mountain located near the section corner of sections 5, 6, 31 and 32 Tps. 5 and 6 S., R. 6 W., Seward Meridian, approximate elevation 5,375 feet;

Thence on an approximate forward bearing of N. 49 1/2° W., approximately 500 feet to an intersection with the township line between Tps. 5 and 6 S., R. 6 W., Seward Meridian;

Thence westerly, following the township line between Tps. 5 and 6 S., approximately 1 1/2 miles to the corner of sections 4, 5, 32 and 33, Tps. 5 and 6 S., R. 8 W., Seward Meridian;

Thence southerly, between sections 4 and 5, approximately 1 mile to the corner of sections 4, 5, 8 and 9, T. 6 S., R. 8 W., Seward Meridian;

- Thence westerly, between sections 24 and 25, 23 and 26, 22 and 27, 21 and 28, 20 and 29, approximately 5 miles to the corner of sections 19, 20, 29 and 30, T. 7 N., R. 6 W., Seward Meridian;
- Thence southerly, between sections 29 and 30, 31 and 32, 5 and 6, 7 and 8, 17 and 18, approximately 4 1/2 miles to the 1/4 section corner of sections 17 and 18, T. 6 N., R. 6 W., Seward Meridian;
- Thence westerly, on the east and west centerlines of sections 18, 13 and 14, approximately 3 miles to the 1/4 section corner of sections 14 and 15, T. 6 N., R. 7 W., Seward Meridian;
- Thence southerly, between sections 14 and 15, approximately 1/2 mile to the corner of sections 14, 15, 22 and 23, T. 6 N., R. 7 W., Seward Meridian;
- Thence westerly, between sections 15 and 22, 16 and 21, 17 and 20, 18 and 19, 13 and 24, approximately 4 3/4 miles to the centerline of Moose River, between sections 13 and 24, T. 6 N., R. 8 W., Seward Meridian;
- Thence southwesterly, along the centerline of Moose River, approximately 2 3/4 miles to the confluence with the West Fork Moose River, located in the northwesterly portion of section 27, T. 6 N., R. 8 W., Seward Meridian;
- Thence northeasterly, along the centerline of West Fork Moose River, approximately 1 1/2 miles to a point between sections 15 and 22, T. 6 N., R. 8 W., Seward Meridian;
- Thence westerly, between sections 15 and 22, 16 and 21, 17 and 20, 18 and 19, approximately 3 3/4 miles to the corner of sections 13, 18, 19 and 24, T. 6 N., R. 8 and 9 W., Seward Meridian;
- Thence northerly, between Rs. 8 and 9 W., approximately 8 3/4 miles to a point on the southerly right-of-way of the Swanson River Road, between sections 1 and 6, T. 7 N., Rs. 8 and 9 W., Seward Meridian;
- Thence easterly, along the southerly right-of-way of the Swanson River Road, approximately 8 1/4 miles to a point between sections 5 and 32, Tps. 7 and 8 N., R. 7 W., Seward Meridian;
- Thence easterly, between Tps. 7 and 8 N., approximately 100 feet to a point between sections 5 and 32, Tps. 7 and 8 N., R. 7 W., Seward Meridian, on the westerly shore of an unnamed lake;
- Thence northeasterly and southeasterly, along the line of mean high water of the unnamed lake, approximately 1/4 mile to a point between sections 5 and 32, Tps. 7 and 8 N., R. 7 W., Seward Meridian, on the east shore of the unnamed lake;
- Thence easterly, between Tps. 7 and 8 N., approximately 3/4 mile to the 1/4 section corner of sections 4 and 33, Tps. 7 and 8 N., R. 7 W., Seward Meridian;
- Thence southerly, on the north and south centerline of section 4, approximately 1 mile to the 1/4 section corner of sections 4 and 9, T. 7 N., R. 7 W., Seward Meridian;
- Thence easterly, between sections 4 and 9, approximately 1/2 mile to the corner of sections 3, 4, 9 and 10, T. 7 N., R. 7 W., Seward Meridian;
- Thence southerly, between sections 9 and 10, approximately 1 mile to the corner of sections 9, 10, 15 and 16, T. 7 N., R. 7 W., Seward Meridian;
- Thence easterly, between sections 10 and 15, approximately 1 mile to the corner of sections 10, 11, 14 and 15, T. 7 N., R. 7 W., Seward Meridian;
- Thence southerly, between sections 14 and 15, approximately 1/2 mile to the 1/4 section corner of sections 14 and 15, T. 7 N., R. 7 W., Seward Meridian;
- Thence easterly, on the east and west centerlines of sections 14, 13 and 18, approximately 3 miles to the 1/4 section corner of sections 17 and 18, T. 7 N., R. 6 W., Seward Meridian;
- Thence northerly, between sections 17 and 18, 7 and 8, 5 and 6, 31 and 32, 29 and 30, approximately 4 miles to the meander corner of sections 29 and 30, T. 8 N., R. 6 W., Seward Meridian, on the easterly shore of Buteo Lake;
- Thence northeasterly, northerly and southerly, along the line of mean high water of Buteo Lake, approximately 3/4 mile to the special meander corner on the east and west centerline of section 30, T. 8 N., R. 6 W., Seward Meridian;
- Thence westerly, on the east and west centerlines of sections 30 and 25, approximately 1 1/4 miles to the 1/4 section corner of sections 25 and 26, T. 8 N., R. 7 W., Seward Meridian;
- Thence northerly, between sections 25 and 26, T. 8 N., R. 7 W., Seward Meridian, on the westerly shore of Takukak Lake;
- Thence northeasterly and northeasterly, along the line of mean high water of Takukak Lake, approximately 1/4 mile to the meander corner of sections 25 and 26, T. 8 N., R. 7 W., Seward Meridian, on the westerly shore of Takukak Lake (Takukak Lake appears on the 1:63,360 scale map, Kenai D-2, from which this description was derived.);
- Thence northerly, between sections 25 and 26, approximately 1/4 mile to the corner of sections 23, 24, 25 and 26, T. 8 N., R. 7 W., Seward Meridian;
- Thence westerly, between sections 23 and 26, approximately 1/4 mile to the meander corner of sections 23 and 26, T. 8 N., R. 7 W., Seward Meridian, on the easterly shore of Ursus Lake;
- Thence southerly and northwesterly, along the line of mean high water of Ursus Lake, approximately 3/4 mile to the meander corner of sections 23 and 26, T. 8 N., R. 7 W., Seward Meridian, on the westerly shore of Ursus Lake;

- Thence westerly, between sections 23 and 26, 22 and 27, 21 and 28, approximately 1 1/2 miles to the meander corner of sections 21 and 28, T. 8 N., R. 7 W., Seward Meridian, on the easterly shore of Paddle Lake;
- Thence southeasterly, southwesterly and northwesterly, along the line of mean high water of Paddle Lake, approximately 1/2 mile to the meander corner of sections 21 and 28, T. 8 N., R. 7 W., Seward Meridian, on the westerly shore of Paddle Lake;
- Thence westerly, between sections 21 and 28, approximately 1/4 mile to the 1/4 section corner of sections 21 and 28, T. 8 N., R. 7 W., Seward Meridian;
- Thence northerly, on the north and south centerline of section 21, approximately 1/2 mile to the center 1/4 section corner of section 21, T. 8 N., R. 7 W., Seward Meridian;
- Thence westerly, on the east and west centerlines of sections 21, 20 and 19, approximately 2 1/2 miles to the 1/4 section corner of sections 19 and 24, T. 8 N., R. 7 W., Seward Meridian;
- Thence northerly, between Rs. 7 and 8 W., approximately 3 1/2 miles to the closing corner of T. 8 N., R. 7 and 8 W., Seward Meridian;
- Thence easterly, on the Second Standard Parallel North, approximately 1/2 mile to the standard corner of sections 31 and 32, T. 9 N., R. 7 W., Seward Meridian;
- Thence northerly, between sections 31 and 32, approximately 1/2 mile to a point between sections 31 and 32, T. 9 N., R. 7 W., Seward Meridian, on the southerly shore of an unnamed lake;
- Thence northwesterly and northeasterly, on the line of mean high water of the unnamed lake, approximately 900 feet to a point between sections 31 and 32, T. 9 N., R. 7 W., Seward Meridian, on the northerly shore of the unnamed lake;
- Thence northerly, between sections 31 and 32, approximately 1/2 mile to the corner of sections 29, 30, 31 and 32, T. 9 N., R. 7 W., Seward Meridian;
- Thence easterly, between sections 29 and 32, approximately 1/2 mile to the 1/4 section corner of sections 29 and 32, T. 9 N., R. 7 W., Seward Meridian;
- Thence northerly, on the north and south centerlines of sections 29, 20, 17 and 8, approximately 4 miles to the 1/4 section corner of sections 5 and 8, T. 9 N., R. 7 W., Seward Meridian;
- Thence easterly, between sections 5 and 8, 4 and 9, 3 and 10, 2 and 11, approximately 3 miles to the meander corner of sections 2 and 11, T. 9 N., R. 7 W., Seward Meridian, on the westerly shore of an unnamed lake;
- Thence northerly and southeasterly, on the line of mean high water of an unnamed lake, approximately 1/2 mile to the meander corner of sections 2 and 11, T. 9 N., R. 7 W., Seward Meridian, on the easterly shore of an unnamed lake;
- Thence easterly, between sections 2 and 11, approximately 1/8 mile to the corner of sections 1, 2, 11 and 12, T. 9 N., R. 7 W., Seward Meridian;
- Thence northerly, between sections 1 and 2, 35 and 36, approximately 1 1/4 miles to the meander corner of sections 35 and 36, T. 10 N., R. 7 W., Seward Meridian, on the westerly shore of Taiga Lake;
- Thence northwesterly and southeasterly, on the line of mean high water of Taiga Lake, approximately 1/2 mile to the meander corner of sections 35 and 36, T. 10 N., R. 7 W., Seward Meridian, on the northerly shore of Taiga Lake;
- Thence northerly, between sections 35 and 36, 25 and 26, 23 and 24, approximately 1 3/4 miles to the centerline of Seven Egg Creek, located between sections 23 and 24, T. 10 N., R. 7 W., Seward Meridian;
- Thence northwesterly and westerly, along the centerline of Seven Egg Creek and the westerly shore of Krambert Lake, approximately 4 miles to a point between sections 9 and 10, T. 10 N., R. 7 W., Seward Meridian, on the Menal National Wildlife Refuge boundary;
- Thence northerly, between sections 9 and 10, approximately 3/4 mile to the corner of sections 3, 4, 9 and 10, T. 10 N., R. 7 W., Seward Meridian;
- Thence easterly, between sections 3 and 10, 2 and 11, approximately 2 miles to the corner of sections 1, 2, 11 and 12, T. 10 N., R. 7 W., Seward Meridian;
- Thence northerly, between sections 1 and 2, 35 and 36, T. 11 N., R. 7 W., Seward Meridian to the corner of section 25, 26, 35 and 36, T. 11 N., R. 7 W., Seward Meridian;
- Thence easterly, between sections 25 and 36, 30 and 31, approximately 2 miles to the corner of sections 29, 30, 31 and 32, T. 11 N., R. 6 W., Seward Meridian;
- Thence northerly, between sections 29 and 30, 19 and 20, 17 and 18, approximately 2.1 miles to the meander corner of sections 17 and 18, T. 11 N., R. 6 W., Seward Meridian;
- Thence easterly, southeasterly, along the line of mean high tide of Turrigin Arm and Chitkaloon Bay, approximately 10 miles to the centerline of Bedlam Creek located in the northerly portion of section 30, T. 10 N., R. 5 W., Seward Meridian;
- Thence westerly, along the centerline of Bedlam Creek, approximately 3 1/4 miles to a point between sections 26 and 27, T. 10 N., R. 6 W., Seward Meridian;
- Thence southerly, between sections 26 and 27, 34 and 35, 2 and 3, 10 and 11, 14 and 15, 22 and 23, 26 and 27, 34 and 35, approximately 7 miles to the standard corner of sections 34 and 35, T. 9 N., R. 6 W., Seward Meridian;

Thence easterly, on the Second Standard Parallel North, approximately 1,600 feet to the closing corner of sections 2 and 3, T. 8 N., R. 6 W., Seward Meridian;

Thence southerly, between sections 2 and 3, approximately 1/2 mile to the 1/4 section corner of sections 2 and 3, T. 8 N., R. 6 W., Seward Meridian;

Thence easterly, on the east and west centerlines of sections 2 and 1, approximately 2 miles to the 1/4 section corner of sections 1 and 6, T. 8 N., R. 5 and 6 W., Seward Meridian;

Thence southerly, between Rs. 5 and 6 W., approximately 1/2 mile to the corner of sections 1, 6, 7 and 12, T. 8 N., R. 5 and 6 W., Seward Meridian;

Thence easterly, between sections 6 and 7, 5 and 8, 4 and 9, 3 and 10, approximately 4 miles to the corner of sections 2, 3, 10 and 11, T. 8 N., R. 5 W., Seward Meridian;

Thence southerly, between sections 10 and 11, 14 and 15, 22 and 23, 26 and 27, approximately 4 miles to the corner of sections 26, 27, 34 and 35, T. 8 N., R. 5 W., Seward Meridian;

Thence westerly, between sections 27 and 34, approximately 1 mile to the corner of sections 27, 28, 33 and 34, T. 8 N., R. 5 W., Seward Meridian;

Thence southerly, between sections 33 and 34, approximately 1 mile to the corner of sections 3, 4, 33 and 34, Tps. 7 and 8 N., R. 5 W., Seward Meridian;

Thence westerly, between Tps. 7 and 8 N., approximately 1 mile to the corner of sections 4, 5, 32 and 33, Tps. 7 and 8 N., R. 5 W., Seward Meridian;

Thence southerly, between sections 4 and 5, approximately 1 mile to the corner of sections 4, 5, 8 and 9, T. 7 N., R. 5 W., Seward Meridian;

Thence westerly, between sections 5 and 8, 6 and 7, approximately 2 miles to the corner of sections 1, 6, 7 and 12, T. 7 N., R. 5 and 6 W., Seward Meridian;

Thence southerly, between Rs. 5 and 6 W., approximately 3 miles to the corner of sections 19, 24, 25 and 30, T. 7 N., R. 5 and 6 W., Seward Meridian, the place of beginning.

Mystery Creek Unit

Beginning at a point on Kenai National Wildlife Refuge boundary, at the northerly right-of-way of the Sterling Highway, in section 28, T. 5 N., R. 4 W., Seward Meridian;

Thence westerly, along the northerly right-of-way of the Sterling Highway, approximately 4,800 feet to a point on the northerly right-of-way of a powerline, located in the southwesterly portion of section 29, T. 5 N., R. 4 W., Seward Meridian;

Thence westerly, along the northerly right-of-way of a powerline, approximately 2 3/4 miles to a point on the northerly right-of-way of the Sterling Highway, located in the northerly portion of section 35, T. 5 N., R. 5 W., Seward Meridian;

Thence northwesterly, along the northerly right-of-way of the Sterling Highway, approximately 4 1/2 miles to the centerline of Jean Creek, near the center of section 17, T. 5 N., R. 5 W., Seward Meridian;

Thence northwesterly, along the centerline of Jean Creek and the northerly shore of Upper Jean Lake, approximately 1 mile to a point on the north shore of an unnamed lake and the north and south centerline of section 18, T. 5 N., R. 5 W., Seward Meridian;

Thence northerly, on the north and south centerline of sections 18 and 7, approximately 1 1/8 mile to the 1/4 section corner of sections 6 and 7, T. 5 N., R. 5 W., Seward Meridian;

Thence easterly, between sections 6 and 7, approximately 1/2 mile to the corner of sections 5, 6, 7 and 8, T. 5 N., R. 5 W., Seward Meridian;

Thence northerly, between sections 5 and 6, approximately 1/2 mile to the 1/4 section corner of sections 5 and 6, T. 5 N., R. 5 W., Seward Meridian;

Thence easterly, on the east and west centerlines of sections 4 and 5, approximately 2 miles to the 1/4 section corner of sections 3 and 4, T. 5 N., R. 5 W., Seward Meridian;

Thence northerly, between sections 3 and 4, 33 and 34, 27 and 28, 21 and 22, 15 and 16, 9 and 10, 3 and 4, 33 and 34, 27 and 28, approximately 8 1/2 miles to the corner of sections 21, 22, 27 and 28, T. 7 N., R. 5 W., Seward Meridian;

Thence easterly, between sections 22 and 27, 23 and 26, 24 and 25, approximately 3 miles to the corner of sections 24 and 25, T. 7 N., R. 5 W., Seward Meridian;

Thence southerly, between Rs. 4 and 5 W., approximately 200 feet to the corner of sections 19 and 30, T. 7 N., R. 4 W., Seward Meridian;

Thence easterly, between sections 19 and 30, 20 and 29, 21 and 28, approximately 2 1/8 miles to Seward Meridian;

Thence due South, approximately 13 miles to the place of beginning on Kenai National Wildlife Refuge boundary at the northerly right-of-way of the Sterling Highway, in Section 28, T. 5 N., R. 4 W., Seward Meridian.

KENAI NATIONAL WILDLIFE REFUGE

PUBLIC LAW 96-487



The following USGS quadrangle maps were used to prepare the legal description for the Kenai National Wildlife Refuge:

nr - minor revision

* - Quad depicts Wilderness boundary

Scale of Map

1:63,360*

Name and Date

Kenai (A-1) 1951 nr 1971; (A-3) 1951 nr 1969;
(A-4) 1951 nr 1972; (B-1), (B-2) 1950 nr 1975;
(B-3) 1950 nr 1965; (B-4) 1951 nr 1966; (C-1)
1951 nr 1978; (C-2) 1951 nr 1968; (C-3) 1951
nr 1970; (C-4) 1951 nr 1972; (D-1) 1951 nr 1967,
(D-2) 1951 nr 1965; (D-3) 1951 nr 1965.
Tyonek (A-1) 1951 nr 1970; (A-2) 1951 nr 1973.
Seward (A-8) 1951 nr 1973; (B-8) 1951 nr 1968;
(C-8) 1951 nr 1976; (D-8) 1951 nr 1973.
Seldovia (B-3) 1951 nr 1973; (C-1, C-2) 1953;
(C-3) 1951 nr 1973; (D-1) 1953; (D-2) 1950 nr
1963; (D-3) 1951 nr 1970.

1:63,360

1:63,360*

1:63,360*

KODIAK NATIONAL WILDLIFE REFUGE

Section 303 (5):

"The Kodiak National Wildlife Refuge shall consist of the existing Kodiak National Wildlife Refuge including lands, waters, interests, and whatever submerged lands, if any, were retained in Federal ownership at the time of statehood, which is redesignated as the Kodiak Island Unit of the Kodiak National Wildlife Refuge, and the addition of all public lands on Afognak and San Islands of approximately fifty thousand acres as generally depicted on the map entitled 'Kodiak National Wildlife Refuge', dated October 1978. The described public lands on Afognak Island are those incorporated in this refuge from section 1427 of this Act."

The Kodiak National Wildlife Refuge consists of the public lands, as defined by the ANILCA, within the following boundaries:

Kodiak Island Unit

Beginning at a point on the northerly shore of Viakoda Bay, approximately 1/2 mile north from the most southerly point of said bay in section 20, T. 27 S., R. 23 W., Seward Meridian;

Thence easterly, approximately 1 mile to the divide between Viakoda Bay and a stream flowing northwesterly into said bay, near the center of section 21, T. 27 S., R. 23 W., Seward Meridian;

Thence, on an approximate forward bearing of S. 45° E., approximately 1 mile to the divide between Viakoda Bay and Kishuyak Bay, in the northwesterly portion of section 27, T. 27 S., R. 23 W., Seward Meridian;

Thence southerly along the mountainous divide which traverses the center of the island to a point approximately 7 miles north of the head of Kiliuda Bay, located in section 24, T. 32 S., R. 25 W., Seward Meridian;

Thence southerly, along the spur between two minor drainages to the shore of Kiliuda Bay at Triangulation Station Head;

Thence along the mean high water line of Kodiak Island, along such major bays as Kiliuda Bay, Sitkalick Strait, Three Saints Bay, Kainuk Bay, Knoll Bay, Jap Bay, Kaguyak Bay, Geese Channel, Russian Harbor, Alitak Bay, Portage Bay, Suliva Bay, Dead Mans Bay, Moser Bay, Akhik Bay, Klandiff Bay, Alitak Bay, closing Iazy Bay, to the Pacific Ocean, Seward Meridian;

Thence with the Pacific Ocean, closing Alitak Lagoon, Sukhoi Lagoon, Grant Lagoon to the meander corner between sections 26 and 35, T. 30 S., R. 33 W., Seward Meridian;

Thence easterly, between sections 26 and 35, 25 and 36, 30 and 31, 29 and 32, 28 and 33, 27 and 34, 26 and 35, 25 and 36, 30 and 31, 29 and 32, 28 and 33, 27 and 34, 26 and 35, approximately 12 miles to the quarter corner of section 26 and 35, T. 30 S., R. 31 W., Seward Meridian;

Thence northerly, along the north south centerline of sections 26, 23, 14, 11, 2, 35, 26, 23 and 14, approximately 8 1/2 miles to the meander corner on Shelikof Strait in section 14, T. 29 S., R. 31 W., Seward Meridian;

Thence along the mean high water line of Shelikof Strait, and such major bays as Uyak Bay, Anook Bay, Zachar Bay, Spiridon Bay, Shelikof Strait, Uganik Bay, Uganik Passage, Terror Bay, Uganik Passage, Viakoda Bay, to the place of beginning.

This Unit also contains all of Uganik Island, above the line of mean high tide.

This Unit excludes an area 1 mile square, surrounding each of the native village of Old Harbor, Akhik, Larsen Bay, Uganik, Uyak, Alitak, Ayakulik and Kaguyak.

Afognak Unit

Beginning at the meander corner of sections 7 and 18, T. 22 S., R. 21 W., Seward Meridian, at the line of mean high tide of Poul Bay;

Thence easterly, between sections 7 and 18, 8 and 17, 9 and 16, approximately 2 1/4 miles to the corner of sections 9, 10, 15 and 16, T. 22 S., R. 21 W., Seward Meridian;

Thence northerly, between sections 9 and 10, approximately 1 mile to the corner of sections 3, 4, 9 and 10, T. 22 S., R. 21 W., Seward Meridian;

Thence easterly, between sections 3 and 10, 2 and 11, approximately 2 miles to the corner of sections 1, 2, 11 and 12, T. 22 S., R. 21 W., Seward Meridian;

Thence northerly, between sections 1 and 2, approximately 1/2 mile to the 1/4 section corner of sections 1 and 2, T. 22 S., R. 21 W., Seward Meridian;

Thence easterly, on the east and west centerline of section 1, approximately 1/2 mile to the center 1/4 section corner of section 1, T. 22 S., R. 21 W., Seward Meridian;

Thence northerly, on the north and south centerlines of sections 1 and 36, approximately 1 mile to the center 1/4 section corner of section 36, T. 21 S., R. 21 W., Seward Meridian;

Thence easterly, on the east and west centerline of section 36, approximately 1/2 mile to the 1/4 section corner of sections 31 and 36, T. 21 S., R. 20 and 21 W., Seward Meridian;

Thence northerly, between Rs. 20 and 21 W., approximately 2 1/2 miles to the corner of sections 13, 18, 19 and 24, T. 21 S., R. 20 and 21 W., Seward Meridian;

Thence easterly, between sections 18 and 19, 17 and 20, approximately 1 1/2 miles to the 1/4 section corner of sections 17 and 20, T. 21 S., R. 20 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 17, approximately 1/2 mile to the center 1/4 section corner of section 17, T. 21 S., R. 20 W., Seward Meridian;

Thence easterly, on the east and west centerline of section 17, approximately 1/2 mile to the 1/4 section corner of sections 16 and 17, T. 21 S., R. 20 W., Seward Meridian;

Thence northerly, between sections 16 and 17, approximately 1/2 mile to the corner of sections 8, 9, 16 and 17, T. 21 S., R. 20 W., Seward Meridian;

Thence easterly, between sections 9 and 16, approximately 1/2 mile to the 1/4 section corner of sections 9 and 16, T. 21 S., R. 20 W., Seward Meridian;

Thence northerly, on the north and south centerlines of sections 9 and 4, approximately 2 miles to the 1/4 section corner of section 4, T. 21 S., R. 20 W., Seward Meridian;

Thence westerly, on the Fifth Standard Parallel South, approximately 2 1/2 miles to the standard corner of sections 31 and 32, T. 20 S., R. 20 W., Seward Meridian;

Thence northerly, between sections 31 and 32, approximately 1 mile to the corner of sections 29, 30, 31 and 32, T. 20 S., R. 20 W., Seward Meridian;

Thence westerly, between sections 30 and 31, approximately 1/2 mile to the 1/4 section corner of sections 30 and 31, T. 20 S., R. 20 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 30, approximately 1/2 mile to the center 1/4 section corner of section 30, T. 20 S., R. 20 W., Seward Meridian;

Thence westerly, on the east and west centerline of section 30, approximately 1/2 mile to the 1/4 section corner of sections 25 and 30, T. 20 S., R. 20 and 21 W., Seward Meridian;

Thence southerly, between Rs. 20 and 21 W., approximately 1/2 mile to the corner of sections 25, 30, 31 and 36, T. 20 S., R. 20 and 21 W., Seward Meridian;

Thence westerly, between sections 25 and 36, approximately 1 mile to the corner of sections 25, 26, 35 and 36, T. 20 S., R. 21 W., Seward Meridian;

Thence northerly, between sections 25 and 26, approximately 1/2 mile to the meander corner of sections 25 and 26, T. 20 S., R. 21 W., Seward Meridian, at the line of mean high tide of Bluefox Bay;

Thence westerly, northerly, southwesterly, southeasterly and southerly, along the line of mean high tide of Afognak Island, closing the mouth of Devil Inlet, to the meander corner of sections 7 and 18, T. 22 S., R. 21 W., Seward Meridian, the place of beginning.

Also included within this Unit is all of Ban Island above the line of mean high tide.

KODIAK NATIONAL WILDLIFE REFUGE

PUBLIC LAW 96-487

The following USGS quadrangle maps were used to prepare the legal descriptions for the Kodiak National Wildlife Refuge:

nr - minor revision

Scale of Map

Kodiak Island Unit

1:63,360

1:63,360

1:63,360

1:63,360

Name and Date

Kaguyak (C-6) 1954 nr 1970; (D-5) 1952 nr 1965; (D-6) 1952 nr 1971.

Trinity Islands (C-1) 1952 nr 1973; (D-1) 1952 nr 1970; (D-2) 1952 nr 1963.

Karluk (A-1) 1952 nr 1970; (A-2) 1954; (B-2) 1952 nr 1963; (B-3) 1952 nr 1973; (C-1) 1952 nr 1967; (C-2) 1952 nr 1963.

Kodiak (A-3) 1949 nr 1963; (A-4) 1954; (A-5) 1952 nr 1972; (A-6) 1952 nr 1973; (B-3) 1949 nr 1964

(B-4) 1952 nr 1972; (B-5), (B-6) 1952 nr 1965; (C-3) 1952 nr 1964; (C-4) 1952 nr 1973; (C-5) 1952 nr 1965; (C-6) 1952 nr 1966; (D-3) 1947 nr 1965; (D-4), (D-5) 1952 nr 1965; (D-6) 1951 nr 1965.

Afognak (B-2) 1952 nr 1969; (B-3) 1954.

Afognak Unit

1:63,360



LEGEND

REFUGE

0 25 MILES

KOYUKUK NATIONAL WILDLIFE REFUGE

Section 302 (5):

"The Koyukuk National Wildlife Refuge shall consist of the approximately three million five hundred and fifty thousand acres of public lands generally depicted on the map entitled 'Koyukuk National Wildlife Refuge', dated July 1980."

The Koyukuk National Wildlife Refuge consists of the public lands, as defined by the ANILCA, within the following boundary:

Beginning at the standard corner of sections 33 and 34, T. 5 N., R. 24 E., Kateel River Meridian;

Thence northerly, between sections 33 and 34, 27 and 28, 21 and 22, 15 and 16, 9 and 10, approximately 4 1/2 miles to the 1/4 section corner of sections 9 and 10, T. 5 N., R. 24 E., Kateel River Meridian;

Thence westerly, on the east and west centerline of section 9, approximately 1/2 mile to the center 1/4 section corner of section 9, T. 5 N., R. 24 E., Kateel River Meridian;

Thence northerly, on the north and south centerline of section 9, approximately 1/2 mile to the 1/4 section corner of sections 4 and 9, T. 5 N., R. 24 E., Kateel River Meridian;

Thence westerly, between sections 4 and 9, approximately 1/2 mile to the corner of sections 4, 5, 8 and 9, T. 5 N., R. 24 E., Kateel River Meridian;

Thence northerly, between sections 4 and 5, approximately 1 mile to the corner of sections 4, 5, 32 and 33, Tps. 5 and 6 N., R. 24 E., Kateel River Meridian;

Thence westerly, between Tps. 5 and 6 N., approximately 26 miles to the corner of Tps. 5 and 6 N., Rs. 19 and 20 E., Kateel River Meridian;

Thence northerly, between Rs. 19 and 20 E., approximately 2 3/4 miles to the summit of a mountain located between sections 19 and 24, T. 6 N., Rs. 19 and 20 E., Kateel River Meridian, approximate elevation 1,453 feet;

Thence northwesterly, along the ridge line of the Iskutilla Mountains approximately 6 miles to vertical angle bench mark "SATZA" located in the northwest corner of section 26, T. 7 N., R. 19 E., Kateel River Meridian, approximate elevation 2,142 feet;

Thence due west, approximately 200 feet to a point between sections 26 and 27, T. 7 N., R. 19 E., Kateel River Meridian;

Thence northerly, between sections 26 and 27, approximately 1,300 feet to the corner of sections 22, 23, 26 and 27, T. 7 N., R. 19 E., Kateel River Meridian;

Thence westerly, between sections 22 and 27, 21 and 28, 20 and 29, 19 and 30, 24 and 25, 23 and 26, 22 and 27, 21 and 28, 20 and 29, 19 and 30, approximately 10 miles to the corner of sections 19, 24, 25 and 30, T. 7 N., Rs. 17 and 18 E., Kateel River Meridian;

Thence northerly between Rs. 17 and 18 E., approximately 1 mile to the corner of sections 13, 18, 19 and 24, T. 7 N., Rs. 17 and 18 E., Kateel River Meridian;

Thence westerly, between sections 13 and 24, 14 and 23, 15 and 22, 16 and 21, 17 and 20, 18 and 19, approximately 6 miles to the corner of sections 13, 18, 19 and 24, T. 7 N., Rs. 16 and 17 E., Kateel River Meridian;

Thence northerly, between Rs. 16 and 17 E., approximately 2 miles to the corner of sections 1, 6, 7 and 12, T. 7 N., Rs. 16 and 17 E., Kateel River Meridian;

Thence westerly, between sections 1 and 12, 2 and 11, 3 and 10, approximately 3 miles to the corner of sections 3, 4, 9 and 10, T. 7 N., R. 16 E., Kateel River Meridian;

Thence southerly, between sections 9 and 10, approximately 1 mile to the corner of sections 9, 10, 15 and 16, T. 7 N., R. 16 E., Kateel River Meridian;

Thence westerly, between sections 9 and 16, approximately 1 mile to the corner of sections 8, 9, 16 and 17, T. 7 N., R. 16 E., Kateel River Meridian;

Thence southerly, between sections 16 and 17, approximately 1 mile to the corner of sections 16, 17, 20 and 21, T. 7 N., R. 16 E., Kateel River Meridian;

Thence westerly, between sections 17 and 20, 18 and 19, 13 and 24, 14 and 23, 15 and 22, approximately 5 miles to the corner of sections 15, 16, 21 and 22, T. 7 N., R. 15 E., Kateel River Meridian;

Thence northerly, between sections 15 and 16, 9 and 10, approximately 2 miles to the corner of sections 3, 4, 9 and 10, T. 7 N., R. 15 E., Kateel River Meridian;

Thence westerly, between sections 4 and 9, approximately 1 mile to the corner of sections 4, 5, 8 and 9, T. 7 N., R. 15 E., Kateel River Meridian;

Thence northerly, between sections 4 and 5, approximately 1 mile to the corner of sections 4, 5, 32 and 33, Tps. 7 and 8 N., R. 15 E., Kateel River Meridian;

Thence westerly, between Tps. 7 and 8 N., approximately 1 mile to the corner of sections 5, 6, 31 and 32, Tps. 7 and 8 N., R. 15 E., Kateel River Meridian;

Thence northerly, between sections 31 and 32, approximately 1 mile to the corner of sections 29, 30, 31 and 32, T. 8 N., R. 15 E., Kateel River Meridian;

Thence westerly, between sections 30 and 31, 25 and 36, approximately 2 miles to the corner of sections 25, 26, 35 and 36, T. 8 N., R. 14 E., Kateel River Meridian;

Thence northwesterly, along the ridge line of the Zane Hills, approximately 1 1/2 miles to the summit of a mountain located in sections 14 and 15, T. 9 N., R. 13 E., Kateel River Meridian, approximate elevation 3,520 feet;

Thence southwesterly, along a ridge, approximately 4 miles to a point between sections 31 and 36, T. 9 N., Rs. 12 and 13 E., Kateel River Meridian;

Thence southerly, between Rs. 12 and 13 E., approximately 3/4 miles to the standard corner of T. 9 N., Rs. 12 and 13 E., Kateel River Meridian;

Thence westerly, on the Second Standard Parallel North, approximately 36 miles to the standard corner of T. 9 N., Rs. 6 and 7 E., Kateel River Meridian;

Thence northerly, between Rs. 6 and 7 E., approximately 6 miles to the corner of Tps. 9 and 10 N., Rs. 6 and 7 E., Kateel River Meridian;

Thence westerly, between Tps. 9 and 10 N., approximately 6 miles to the corner of Tps. 9 and 10 N., Rs. 5 and 6 E., Kateel River Meridian;

Thence northerly, between Rs. 5 and 6 E., approximately 6 miles to a point on the Continental Divide between sections 1 and 6, T. 10 N., Rs. 5 and 6 E., Kateel River Meridian;

Thence southwesterly, northeasterly and southerly, along the Continental Divide, approximately 88 miles to a junction of ridges located in the northerly portion of section 25, T. 4 N., R. 2 E., Kateel River Meridian;

Thence easterly and northeasterly, along the ridge line, approximately 10 1/4 miles to a point on the south boundary of section 32, T. 5 N., R. 4 E., Kateel River Meridian;

Thence easterly, on the First Standard Parallel North, approximately 11 1/2 miles to the closing corner of T. 4 N., Rs. 5 and 6 E., Kateel River Meridian;

Thence southerly, between Rs. 5 and 6 E., approximately 12 miles to the corner of Tps. 2 and 3 N., Rs. 5 and 6 E., Kateel River Meridian;

Thence westerly, between Tps. 2 and 3 N., approximately 6 miles to the corner of Tps. 2 and 3 N., Rs. 4 and 5 E., Kateel River Meridian;

Thence southerly, between Rs. 4 and 5 E., approximately 10 miles to the corner of sections 19, 24, 25 and 30, T. 1 N., Rs. 4 and 5 E., Kateel River Meridian;

Thence westerly, between sections 24 and 25, approximately 1 mile to the corner of sections 23, 24, 25 and 26, T. 1 N., R. 4 E., Kateel River Meridian;

Thence southerly, between sections 25 and 26, approximately 1 mile to the corner of sections 25, 26, 35 and 36, T. 1 N., R. 4 E., Kateel River Meridian;

Thence westerly, between sections 26 and 35, approximately 1 mile to the corner of sections 26, 27, 34 and 35, T. 1 N., R. 4 E., Kateel River Meridian;

Thence southerly, between sections 34 and 35, approximately 1 mile to the standard corner of sections 34 and 35, T. 1 N., R. 4 E., Kateel River Meridian;

Thence westerly, on the Kateel River Base Line, approximately 1/4 mile to the closing corner of sections 2 and 3, T. 1 S., R. 4 E., Kateel River Meridian;

Thence southerly, between sections 2 and 3, 10 and 11, 14 and 15, 22 and 23, approximately 3 1/2 miles to the 1/4 section corner of sections 22 and 23, T. 1 S., R. 4 E., Kateel River Meridian;

Thence westerly, on the east and west centerline of section 22, approximately 1 mile to the 1/4 section corner of sections 21 and 22, T. 1 S., R. 4 E., Kateel River Meridian;

Thence southerly, between sections 21 and 22, 27 and 28, approximately 1 mile to the 1/4 section corner of sections 27 and 28, T. 1 S., R. 4 E., Kateel River Meridian;

Thence westerly, along the east and west centerline of section 28, approximately 1 mile to the 1/4 section corner of sections 28 and 29, T. 1 S., R. 4 E., Kateel River Meridian;

Thence southerly, between sections 28 and 29, 32 and 33, approximately 1 mile to the 1/4 section corner of sections 32 and 33, T. 1 S., R. 4 E., Kateel River Meridian;

Thence westerly, on the east and west centerline of section 32, approximately 1/2 mile to the center 1/4 section corner of section 32, T. 1 S., R. 4 E., Kateel River Meridian;

Thence southerly, on the north and south centerline of section 32, approximately 1/2 mile to the 1/4 section corner of sections 5 and 32, Tps. 1 and 2 S., R. 4 E., Kateel River Meridian;

Thence easterly, between Tps. 1 and 2 S., Rs. 4 and 5 E., approximately 4 1/2 miles to the corner of Tps. 1 and 2 S., Rs. 4 and 5 E., Kateel River Meridian;

Thence southerly, between Rs. 4 and 5 E., approximately 5 1/2 miles to the 1/4 section corner of sections 31 and 36, T. 2 S., Rs. 4 and 5 E., Kateel River Meridian;

Thence westerly, on the east and west centerline of section 36, approximately 1 mile to the 1/4 section corner of sections 35 and 36, T. 2 S., R. 4 E., Kateel River Meridian;

Thence southerly, between sections 35 and 36, approximately 1/2 mile to the corner of sections 1, 2, 35 and 36, Tps. 2 and 3 S., R. 4 E., Kateel River Meridian;

Thence westerly, between Tps. 2 and 3 S., approximately 1 mile to the corner of sections 2, 3, 34 and 35, Tps. 2 and 3 S., R. 4 E., Kateel River Meridian;

Thence southerly, between sections 2 and 3, approximately 1 mile to the corner of sections 2, 3, 10 and 11, T. 3 S., R. 4 E., Kateel River Meridian;

Thence westerly, between sections 3 and 10, approximately 1/2 mile to the 1/4 section corner of sections 3 and 10, T. 3 S., R. 4 E., Kateel River Meridian;

Thence southerly, on the north and south centerline of section 10, approximately 1 mile to the 1/4 section corner of sections 10 and 15, T. 3 S., R. 4 E., Kateel River Meridian;

Thence westerly, between sections 10 and 15, approximately 1/2 mile to the corner of sections 9, 10, 15 and 16, T. 3 S., R. 4 E., Kateel River Meridian;

Thence southerly, between sections 15 and 16, 21 and 22, approximately 1 1/2 miles to the 1/4 section corner of sections 21 and 22, T. 3 S., R. 4 E., Kateel River Meridian;

Thence westerly, on the east and west centerline of section 21, approximately 1/2 mile to the center 1/4 section corner of section 21, T. 3 S., R. 4 E., Kateel River Meridian;

Thence southerly, on the north and south centerline of section 21, approximately 1/2 mile to the 1/4 section corner of sections 21 and 28, T. 3 S., R. 4 E., Kateel River Meridian;

Thence westerly, between sections 21 and 28, approximately 1/2 mile to the corner of sections 20, 21, 28 and 29, T. 3 S., R. 4 E., Kateel River Meridian;

Thence southerly, between sections 28 and 29, approximately 1 mile to the corner of section 28, 29, 32 and 33, T. 3 S., R. 4 E., Kateel River Meridian;

Thence easterly, between sections 28 and 33, approximately 1 mile to the corner of sections 27, 28, 33 and 34, T. 3 S., R. 4 E., Kateel River Meridian;

Thence southerly, between sections 33 and 34, 3 and 4, 9 and 10, 15 and 16, approximately 4 miles to the corner of sections 15, 16, 21 and 22, T. 4 S., R. 4 E., Kateel River Meridian;

Thence easterly, between sections 15 and 22, 14 and 23, approximately 2 miles to the corner of sections 13, 14, 23 and 24, T. 4 S., R. 4 E., Kateel River Meridian;

Thence southerly, between sections 23 and 24, 25 and 26, 35 and 36, approximately 3 miles to the standard corner of sections 35 and 36, T. 4 S., R. 4 E., Kateel River Meridian;

Thence westerly, on the First Standard Parallel South, approximately 3/4 miles to the 1/4 section corner of section 2, T. 5 S., R. 4 E., Kateel River Meridian;

Thence southerly, on the north and south centerline of section 2, approximately 1 mile to the 1/4 section corner of sections 2 and 11, T. 5 S., R. 4 E., Kateel River Meridian;

Thence westerly, between sections 2 and 11, 3 and 10, approximately 1 1/2 miles to the corner of sections 3, 4, 9 and 10, T. 5 S., R. 4 E., Kateel River Meridian;

Thence southerly, between sections 9 and 10, 15 and 16, approximately 2 miles to the corner of sections 15, 16, 21 and 22, T. 5 S., R. 4 E., Kateel River Meridian;

Thence westerly, between sections 16 and 21, approximately 1 mile to the corner of sections 16, 17, 20 and 21, T. 5 S., R. 4 E., Kateel River Meridian;

Thence southerly, between sections 20 and 21, 28 and 29, approximately 2 miles to the corner of sections 28, 29, 32 and 33, T. 5 S., R. 4 E., Kateel River Meridian;

Thence westerly, between sections 29 and 32, approximately 1/2 mile to the 1/4 section corner of sections 29 and 32, T. 5 S., R. 4 E., Kateel River Meridian;

Thence southerly, on the north and south centerline of section 32, approximately 1 mile to the 1/4 section corner of sections 5 and 32, Tps. 5 and 6 S., R. 4 E., Kateel River Meridian;

Thence westerly, between Tps. 5 and 6 S., approximately 1/2 mile to the corner of sections 5, 6, 31 and 32, Tps. 5 and 6 S., R. 4 E., Kateel River Meridian;

Thence southerly, between sections 5 and 6, 7 and 8, 17 and 18, approximately 3 miles to the corner of sections 17, 18, 19 and 20, T. 6 S., R. 4 E., Kateel River Meridian;

Thence easterly, between sections 17 and 20, 16 and 21, 15 and 22, approximately 3 miles to the corner of sections 14, 15, 22 and 23, T. 6 S., R. 4 E., Kateel River Meridian;

Thence northerly, between sections 14 and 15, approximately 1 mile to the corner of sections 10, 11, 14 and 15, T. 6 S., R. 4 E., Kateel River Meridian;

Thence easterly, between sections 1 and 14, approximately 1 mile to the corner of sections 11, 12, 13 and 14, T. 6 S., R. 4 E., Kateel River Meridian;

Thence northerly, between sections 11 and 12, 1 and 2, approximately 2 miles to the corner of sections 1, 2, 35 and 36, Tps. 5 and 6 S., R. 4 E., Kateel River Meridian;

Thence easterly, between Tps. 5 and 6 S., approximately 25 miles to the corner of Tps. 5 and 6 S., Rs. 8 and 9 E., Kateel River Meridian;

Thence southerly, between Rs. 8 and 9 E., approximately 6 miles to the corner of Tps. 6 and 7 S., Rs. 8 and 9 E., Kateel River Meridian;

Thence easterly, between Tps. 6 and 7 S., approximately 6 miles to the corner of Tps. 6 and 7 S., Rs. 9 and 10 E., Kateel River Meridian;

Thence southerly, between Rs. 9 and 10 E., approximately 6 miles to the corner of Tps. 7 and 8 S., Rs. 9 and 10 E., Kateel River Meridian;

Thence easterly, between Tps. 7 and 8 S., approximately 6 miles to the corner of Tps. 7 and 8 S., Rs. 10 and 11 E., Kateel River Meridian;

Thence northerly, between Rs. 10 and 11 E., approximately 12 miles to the corner of Tps. 5 and 6 S., Rs. 10 and 11 E., Kateel River Meridian;

Thence easterly, between Tps. 5 and 6 S., approximately 18 miles to the corner of Tps. 5 and 6 S., Rs. 13 and 14 E., Kateel River Meridian;

Thence northerly, between Rs. 13 and 14 E., approximately 6 miles to the closing corner of T. 5 S., Rs. 13 and 14 E., Kateel River Meridian;

Thence easterly, on the First Standard Parallel South, approximately 4 miles to the standard corner of sections 33 and 34, T. 4 S., R. 14 E., Kateel River Meridian;

Thence northerly, between sections 33 and 34, 27 and 28, 21 and 22, 15 and 16, 9 and 10, 3 and 4, 33 and 34, 27 and 28, 21 and 22, 15 and 16 approximately 10 miles to the corner of sections 9, 10, 15 and 16, T. 3 S., R. 14 E., Kateel River Meridian;

Thence on an approximate forward bearing of N. 61 1/2° E., approximately 16,900 feet to the summit of a mountain located in the easterly portion of section 1, T. 3 S., R. 14 E., Kateel River Meridian, approximate elevation 875 feet;

Thence on an approximate forward bearing of N. 76 3/4° E., approximately 6,100 feet to the summit of a mountain located in sections 4 and 32, Tps. 2 and 3 S., R. 15 E., Kateel River Meridian, approximate elevation 820 feet;

Thence on an approximate forward bearing of N. 20° E., approximately 5,200 feet to the summit of a mountain in the northeast quarter of section 32, T. 2 S., R. 15 E., Kateel River Meridian, approximate elevation 885 feet;

Thence on an approximate forward bearing of N. 80° E., approximately 13,100 feet to the summit of a mountain located in the westerly portion of section 26, T. 2 S., R. 15 E., Kateel River Meridian, approximate elevation 1,020 feet;

Thence on an approximate forward bearing of East, approximately 15,200 feet to the summit of Hoonahonk Mountain, section 35, T. 2 N., R. 19 E., Kateel River Meridian;

Thence on an approximate forward bearing of N. 50° E., approximately 10,600 feet to the summit of a mountain in the northeasterly portion of section 25, T. 2 N., R. 19 E., Kateel River Meridian, approximate elevation 3,126 feet;

Thence on an approximate forward bearing of S. 61 1/2° E., approximately 21,900 feet to the summit of a mountain in the northerly portion of section 3, T. 1 N., R. 20 E., Kateel River Meridian, approximate elevation 2,105 feet;

Thence on an approximate forward bearing of N. 25° E., approximately 6,300 feet to the summit of a mountain in the northeast corner of section 34, T. 2 N., R. 20 E., Kateel River Meridian, approximate elevation 2,108 feet;

Thence on an approximate forward bearing of N. 52 1/2° E., approximately 14,800 feet to the summit of a mountain on the line between sections 19 and 14, T. 1 N., Rs. 20 and 21 E., Kateel River Meridian;

Thence on an approximate forward bearing of S. 60° E., approximately 19,600 feet to the summit of a mountain located in the westerly portion of section 34, T. 2 N., R. 21 E., Kateel River Meridian, approximate elevation 1,764 feet;

Thence on an approximate forward bearing of N. 41 1/2° E., approximately 10,800 feet to the summit of a mountain located in the southerly portion of section 23, T. 2 N., R. 21 E., Kateel River Meridian, approximate elevation 2,414 feet;

Thence northeasterly and easterly, following the crest of a ridge approximately 18,500 feet to a summit on the ridge in the central portion of section 17, T. 2 N., R. 22 E., Kateel River Meridian, approximate elevation 2,209 feet;

Thence on an approximate forward bearing of N. 54° E., approximately 26,700 feet to a summit on the ridge in section 36, T. 3 N., R. 22 E., Kateel River Meridian, approximate elevation 1,620 feet;

Thence on an approximate forward bearing of N. 35 1/2° E., approximately 10,700 feet to a summit on the ridge in the southeasterly portion of section 19, T. 3 N., R. 23 E., Kateel River Meridian;

Thence on an approximate forward bearing of N. 50° E., approximately 19,400 feet to a summit on the ridge near the center of section 10, T. 3 N., R. 23 E., Kateel River Meridian;

Thence on as forward bearing of approximately S. 75° E., approximately 1,800 feet to a summit on the ridge in the easterly portion of section 10, T. 3 N., R. 23 E., Kateel River Meridian, approximate elevation 2,745 feet;

Thence on an approximate forward bearing of N. 58° E., approximately 3,800 feet to a knoll in the easterly portion of section 26, T. 2 S., R. 15 E., Kateel River Meridian;

Thence on an approximate forward bearing of S. 62 1/2° E., approximately 8,500 feet to a point on the left bank of an unnamed stream, it crosses the section line between sections 30 and 31, T. 2 S., R. 16 E., Kateel River Meridian;

Thence on an approximate forward bearing of N. 40 1/2° E., approximately 4,600 feet to the summit of a mountain located in the northerly portion of section 32, T. 2 S., R. 16 E., Kateel River Meridian, approximate elevation 1,104 feet;

Thence on an approximate forward bearing of N. 57 3/4° E., approximately 16,900 feet to the summit of a mountain located in section 23, T. 2 S., R. 16 E., Kateel River Meridian, approximate elevation 1,222 feet;

Thence on an approximate forward bearing of N. 88 3/4° E., approximately 10,000 feet to the summit of a mountain located in the westerly portion of section 19, T. 2 S., R. 17 E., Kateel River Meridian, approximate elevation 1,640 feet;

Thence on an approximate forward bearing of N. 64° E., approximately 13,000 feet to the summit of a mountain located in the central portion of section 16, T. 2 S., R. 17 E., Kateel River Meridian;

Thence on an approximate forward bearing of N. 43° E., approximately 3,600 feet to the summit of a mountain located in sections 9 and 16, T. 2 S., R. 17 E., Kateel River Meridian, approximate elevation 2,235 feet;

Thence on an approximate forward bearing of N. 28° E., approximately 7,100 feet to the summit of a mountain located in the southerly portion of section 3, T. 2 S., R. 17 E., Kateel River Meridian;

Thence due east, approximately 1 1/2 miles to a point in the section line of sections 1 and 2, T. 2 S., R. 17 E., Kateel River Meridian;

Thence northerly, between sections 1 and 2 approximately 3/4 mile to the corner of sections 1, 2, 35 and 36, Tps. 1 and 2 S., R. 17 E., Kateel River Meridian;

Thence easterly, between Tps. 1 and 2 S., approximately 1/2 mile to a point on the crest of a ridge leading southerly from the summit of Dulbatna Mountain, sections 1 and 2, Tps. 1 and 2 S., R. 17 E., Kateel River Meridian;

Thence northerly, northeasterly, and easterly, following the crest of the divide between the Nayaka River and the Dulbi River approximately 18 miles to the summit of a mountain in the central portion of section 32, T. 2 N., R. 19 E., Kateel River Meridian, approximate elevation 1,880 feet;

Thence on an approximate forward bearing of N. 66° E., approximately 12,800 feet to Vertical Angle Bench Mark "Flat" in the westerly portion of section 6, T. 3 N., R. 24 E., Kateel River Meridian, approximate elevation 3,214 feet;

Thence on an approximate forward bearing of N. 19° E., approximately 1,700 feet to a summit on the ridge in the northwestern portion of section 6, T. 3 N., R. 24 E., Kateel River Meridian;

Thence on an approximate forward bearing of N. 63 1/2° E., approximately 7,000 feet to a summit on the ridge in the southerly portion of section 32, T. 4 N., R. 24 E., Kateel River Meridian, approximate elevation 2,640 feet;

Thence on a forward bearing of approximately N. 18° E., approximately 8,400 feet to a summit on the ridge in the northwestern portion of section 28, T. 4 N., R. 24 E., Kateel River Meridian, approximate elevation 1,930 feet;

Thence on an approximate forward bearing of approximately N. 80° E., approximately 6,100 feet to a summit on the ridge between sections 22 and 27, T. 4 N., R. 24 E., Kateel River Meridian, approximate elevation 1,560 feet;

Thence on an approximate forward bearing of N. 24° E., approximately 23,300 feet the standard corner of sections 33 and 34, T. 5 N., R. 24 E., Kateel River Meridian, the place of beginning.

UNITS OF THE NATIONAL WILDERNESS PRESERVATION SYSTEM
WITHIN THE KOYUKUK NATIONAL WILDLIFE REFUGE:

Section 702 (b):

"Koyukuk Wilderness of approximately four hundred thousand acres as generally depicted on a map entitled 'Koyukuk National Wildlife Refuge', dated July 1980."

The Koyukuk Wilderness consists of the public lands, as defined by the ANILCA, within the following boundary:

Beginning at the closing corner of T. 4 N., Rs. 5 and 6 E., Kateel River Meridian;

Thence southerly, between Rs. 5 and 6 E., approximately 12 miles to the corner of Tps. 2 and 3 N., Rs. 5 and 6 E., Kateel River Meridian;

Thence westerly, between Tps. 2 and 3 N., approximately 5 3/4 miles to the meander corner of sections 6 and 31, Tps. 2 and 3 N., R. 5 E., Kateel River Meridian, at the line of mean high water on the left bank of the Kateel River;

Thence southeasterly, easterly and northeasterly along the left bank of the Kateel River and the right bank of the Koyukuk River, approximately 76 miles to the meander corner of sections 25 and 30, T. 2 N., Rs. 9 and 10 E., Kateel River Meridian;

Thence northerly, between Rs. 9 and 10 E., approximately 16 3/4 miles to the closing corner of T. 4 N., Rs. 9 and 10 E., Kateel River Meridian;

Thence easterly, along the First Standard Parallel North, approximately 3/4 mile to the standard corner of T. 5 N., Rs. 9 and 10 E., Kateel River Meridian;

Thence northerly, between Rs. 9 and 10 E., approximately 3 miles to the corner of sections 13, 18, 19 and 24, T. 5 N., Rs. 9 and 10 E., Kateel River Meridian;

Thence westerly, between sections 13 and 24, 14 and 23, 15 and 22, 16 and 21, approximately 4 miles to the corner of sections 16, 17, 20 and 21, T. 5 N., R. 9 E., Kateel River Meridian;

Thence southerly, between sections 20 and 21, approximately 1/2 mile to the 1/4 section corner of sections 20 and 21, T. 5 N., R. 9 E., Kateel River Meridian;

Thence westerly, on the east and west centerline of section 20, approximately 1 mile to the 1/4 section corner of sections 19 and 20, T. 5 N., R. 9 E., Kateel River Meridian;

Thence southerly, between sections 19 and 20, approximately 1/2 mile to the corner of sections 19, 20, 29 and 30, T. 5 N., R. 9 E., Kateel River Meridian;

Thence westerly, between sections 19 and 30, 24 and 25, 23 and 26, 22 and 27, 21 and 28, 20 and 29, 19 and 30 approximately 7 miles to the corner of sections 19, 24, 25 and 30, T. 5 N., Rs. 7 and 8 E., Kateel River Meridian;

Thence northerly, between Rs. 7 and 8 E., approximately 1 mile to the corner of sections 13, 18, 19 and 24, T. 5 N., Rs. 7 and 8 E., Kateel River Meridian;

Thence westerly, between sections 13 and 24, 14 and 23, 15 and 22, approximately 3 miles to the corner of sections 15, 16, 21 and 22, T. 5 N., R. 7 E., Kateel River Meridian;

Thence northerly, between sections 15 and 16, approximately 1 mile to the corner of sections 9, 10, 15 and 16, T. 5 N., R. 7 E., Kateel River Meridian;

Thence westerly, between sections 9 and 16, approximately 1 mile to the corner of sections 8, 9, 16 and 17, T. 5 N., R. 7 E., Kateel River Meridian;

Thence northerly, between sections 8 and 9, approximately 1 mile to the corner of sections 4, 5, 8 and 9, T. 5 N., R. 7 E., Kateel River Meridian;

The following USGS quadrangle maps were used to prepare the legal description for the Koyukuk National Wildlife Refuge:

ar - minor revision	Scale of Map	Name and Date
* - Quad depicts Wilderness boundary		
	1:250,000	Shungnak 1955 ar 1974.
	1:250,000	Hughes 1956 ar 1965.
	1:63,360*	Kateel River (A-1) 1952 ar 1972; (A-2) 1952 ar 1973; (A-3) 1952; (A-4) 1952 ar 1973; (A-4) 1954 ar 1973; (B-2) 1952 ar 1971; (B-3) 1952 ar 1973; (B-4) 1952; (B-5) 1954 ar 1962; (C-2) 1954 ar 1973; (C-4) 1954 ar 1966; (C-5) 1955 ar 1972; (D-2) 1955 ar 1963; (D-3) 1954 ar 1963; (D-4) 1954 ar 1971; (D-5) 1954.
	1:63,360	Mulato (D-2) 1954 ar 1965; (D-3) 1954 ar 1966; (D-4) 1952 ar 1969; (D-5) 1952.
	1:63,360	Melositna (A-6) 1952 ar 1966; (B-5) 1954 ar 1973; (B-6) 1954 ar 1966; (C-2) 1956; (C-3) 1954 ar 1965; (C-4) 1954 ar 1966; (C-5) 1954; (D-3) 1954 ar 1963; (D-4) 1954; (D-5) 1954 ar 1966.

Traverse westerly, between sections 5 and 8, 6 and 7, 1 and 12, 2 and 11, 3 and 10, approximately 1/2 mile to the 1/4 section corner of Sections 3 and 10, T. 5 N., R. 6 E., Kateel River Meridian;

Traverse southerly, on the north and south centerline of section 10, approximately 1 mile to the 1/4 section corner of sections 10 and 15, T. 5 N., R. 6 E., Kateel River Meridian;

Traverse westerly, between sections 10 and 15, 9 and 16, T. 5 N., R. 6 E., Kateel River Meridian;

Traverse southerly, on the north and south centerline of section 16, approximately 1 mile to the 1/4 section corner of sections 16 and 21, T. 5 N., R. 6 E., Kateel River Meridian;

Traverse westerly, between sections 16 and 21, 17 and 20, approximately 1 mile to the 1/4 section corner of sections 17 and 20, T. 5 N., R. 6 E., Kateel River Meridian;

Traverse southerly, on the north and south centerline of section 20, approximately 1/2 mile to the center 1/4 section corner of section 20, T. 5 N., R. 6 E., Kateel River Meridian;

Traverse westerly, on the east and west centerline of section 20, approximately 1/2 mile to the 1/4 section corner of sections 19 and 20, T. 5 N., R. 6 E., Kateel River Meridian;

Traverse southerly, between sections 19 and 20, approximately 1/2 mile to the corner of sections 19, 20, 23 and 30, T. 5 N., R. 6 E., Kateel River Meridian;

Traverse westerly, between sections 19 and 30, approximately 1 mile to the corner of sections 19, 24, 25 and 30, T. 5 N., Rs. 5 and 6 E., Kateel River Meridian;

Traverse southerly, between Rs. 5 and 6 E., approximately 2 miles to the standard corner of T. 5 N., Rs. 5 and 6 E., Kateel River Meridian;

Traverse westerly, along the First Standard Parallel North, approximately 2,200 feet to the closing corner of T. 4 N., Rs. 5 and 6 E., Kateel River Meridian, the place of beginning.

KOYUKUK NATIONAL WILDLIFE REFUGE

PUBLIC LAW 96-487

HOWITNA NATIONAL WILDLIFE REFUGE

Section 302 (6):

"The Howitna National Wildlife Refuge shall consist of the approximately one million five hundred and sixty thousand acres of public lands generally depicted in a map entitled 'Howitna National Wildlife Refuge', dated July 1980."

The Howitna National Wildlife Refuge consists of the public lands, as defined by the ANILCA, within the following boundary:

Beginning at the point for the closing corner of T. 9 S., Rs. 18 and 19 E., Kateel River Meridian;

Thence southerly, between Rs. 18 and 19 E., approximately 18 miles to the corner of Tps. 11 and 12 S., Rs. 18 and 19 E., Kateel River Meridian;

Thence easterly, between Tps. 11 and 12 S., approximately 18 miles to the corner of Tps. 11 and 12 S., Rs. 21 and 22 E., Kateel River Meridian;

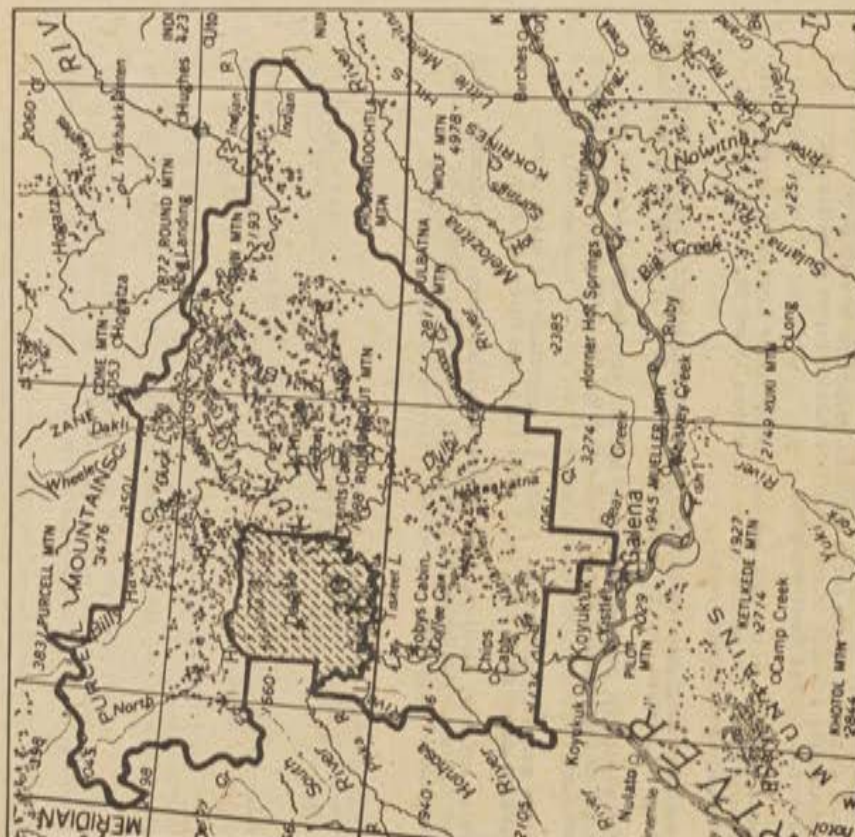
Thence southerly, between Rs. 21 and 22 E., approximately 6 miles to the standard corner of T. 12 S., Rs. 21 and 22 E., Kateel River Meridian;

Thence easterly, on the Third Standard Parallel South, approximately 4 1/2 miles to the closing corner of T. 13 S., Rs. 22 and 23 E., Kateel River Meridian;

Thence southerly, between Rs. 22 and 23 E., approximately 1 mile to the corner of sections 1, 6, 7 and 12, T. 13 S., Rs. 22 and 23 E., Kateel River Meridian;

Thence easterly, between sections 6 and 7, 5 and 8, approximately 2 miles to the corner of sections 4, 5, 8 and 9, T. 13 S., R. 23 E., Kateel River Meridian;

Thence southerly, between sections 8 and 9, approximately 1 mile to the corner of sections 8, 9, 16 and 17, T. 13 S., R. 23 E., Kateel River Meridian;



LEGEND
REFUGE
WILDERNESS

0 28 MILES



Thence easterly, between sections 9 and 16, approximately 1 mile to the corner of sections 9, 10, 15 and 16, T. 13 S., R. 23 E., Kaseel River Meridian;

Thence southerly, between sections 15 and 16, 21 and 22, 27 and 28, 33 and 34, approximately 4 miles to the corner of sections 3, 4, 33 and 34, Tps. 13 and 14 S., R. 23 E., Kaseel River Meridian;

Thence easterly, between Tps. 13 and 14 S., approximately 1 mile to the corner of sections 2, 3, 34 and 35, Tps. 13 and 14 S., R. 23 E., Kaseel River Meridian;

Thence southerly, between sections 2 and 3, 10 and 11, 14 and 15, approximately 3 miles to the corner of sections 14, 15, 22 and 23, T. 14 S., R. 23 E., Kaseel River Meridian;

Thence easterly, between sections 14 and 23, 13 and 24, 18 and 19, 17 and 20, 16 and 21, 15 and 22, 14 and 23, 13 and 24, approximately 8 miles to the corner of sections 13, 18, 19 and 24, T. 14 S., R. 24 and 25 E., Kaseel River Meridian;

Thence southerly, between Rs. 24 and 25 E., approximately 6 miles to the corner of sections 13, 18, 19 and 24, T. 15 S., R. 24 and 25 E., Kaseel River Meridian;

Thence westerly, between sections 13 and 24, approximately 1 mile to the corner of sections 13, 14, 23 and 24, T. 15 S., R. 24 E., Kaseel River Meridian;

Thence southerly, between sections 23 and 24, approximately 1 mile to the corner of sections 23, 24, 25 and 26, T. 15 S., R. 24 E., Kaseel River Meridian;

Thence westerly, between sections 23 and 26, approximately 1 mile to the corner of sections 22, 23, 26 and 27, T. 15 S., R. 24 E., Kaseel River Meridian;

Thence southerly, between sections 26 and 27, approximately 1 mile to the corner of sections 26, 27, 34 and 35, T. 15 S., R. 24 E., Kaseel River Meridian;

Thence westerly, between sections 27 and 34, approximately 1 mile to the corner of sections 27, 28, 33 and 34, T. 15 S., R. 24 E., Kaseel River Meridian;

Thence southerly, between sections 33 and 34, approximately 1 mile to the corner of sections 3, 4, 33 and 34, Tps. 15 and 16 S., R. 24 E., Kaseel River Meridian;

Thence westerly, between Tps. 15 and 16 S., approximately 3 miles to the corner of Tps. 15 and 16 S., Rs. 23 and 24 E., Kaseel River Meridian;

Thence southerly, between Rs. 23 and 24 E., approximately 1 mile to the corner of sections 1, 6, 7 and 12 T. 16 S., Rs. 23 and 24 E., Kaseel River Meridian;

Thence westerly, between sections 1 and 12, approximately 1 mile to the corner of sections 1, 2, 11 and 12, T. 16 S., R. 23 E., Kaseel River Meridian;

Thence southerly, between sections 11 and 12, approximately 1 mile to the corner of sections 11, 12, 13 and 14, T. 16 S., R. 23 E., Kaseel River Meridian;

Thence westerly, between sections 11 and 14, 10 and 15, approximately 2 miles to the corner of sections 9, 10, 15 and 16, T. 16 S., R. 23 E., Kaseel River Meridian;

Thence southerly, between sections 15 and 16, approximately 1 mile to the corner of sections 15, 16, 21 and 22, T. 16 S., R. 23 E., Kaseel River Meridian;

Thence westerly, between sections 16 and 21, 17 and 20, approximately 2 miles to the corner of sections 17, 18, 19 and 20, T. 16 S., R. 23 E., Kaseel River Meridian;

Thence southerly, between sections 19 and 20, approximately 1 mile to the corner of sections 19, 20, 29 and 30, T. 16 S., R. 23 E., Kaseel River Meridian;

Thence westerly, between sections 19 and 30, 24 and 25, approximately 2 miles to the corner of sections 23, 24, 25 and 26, T. 16 S., R. 22 E., Kaseel River Meridian;

Thence southerly, between sections 25 and 26, approximately 1 mile to the corner of sections 25, 26, 35 and 36, T. 16 S., R. 22 E., Kaseel River Meridian;

Thence westerly, between sections 26 and 35, approximately 1 mile to the corner of sections 26, 27, 34 and 35, T. 16 S., R. 22 E., Kaseel River Meridian;

Thence southerly, between sections 34 and 35, approximately 1 mile to the standard corner of sections 34 and 35, T. 16 S., R. 22 E., Kaseel River Meridian;

Thence westerly, on the Fourth Standard Parallel South, approximately 3 1/2 miles to the closing corner of sections 4 and 5, T. 17 S., R. 22 E., Kaseel River Meridian;

Thence southerly, between sections 4 and 5, approximately 1 mile to the corner of sections 4, 5, 8 and 9, T. 17 S., R. 22 E., Kateel River Meridian;

Thence westerly, between sections 5 and 8, 6 and 7 approximately 2 miles to the corner of sections 1, 6, 7 and 12, T. 17 S., R. 22 E., Kateel River Meridian;

Thence southerly, between Rs. 21 and 22 E., approximately 8 miles to the corner of sections 13, 18, 19 and 24, T. 18 S., Rs. 21 and 22 E., Kateel River Meridian;

Thence easterly, between sections 18 and 19, 17 and 20, approximately 2 miles to the corner of sections 16, 17, 20 and 21, T. 18 S., R. 22 E., Kateel River Meridian;

Thence northerly, between sections 16 and 17, 8 and 9, approximately 2 miles to the corner of sections 4, 5, 8 and 9, T. 18 S., R. 22 E., Kateel River Meridian;

Thence easterly, between sections 4 and 9, approximately 1 mile to the corner of sections 3, 4, 9 and 10, T. 18 S., R. 22 E., Kateel River Meridian;

Thence northerly, between sections 3 and 4, approximately 1 mile to the corner of sections 3, 4, 33 and 34, Tps. 17 and 18 S., R. 22 E., Kateel River Meridian;

Thence easterly, between Tps. 17 and 18 S., approximately 3 miles to the corner of Tps. 17 and 18 S., Rs. 22 and 23 E., Kateel River Meridian;

Thence northerly, between Rs. 22 and 23 E., approximately 2 miles to the corner of sections 19, 24, 25 and 30, T. 17 S., Rs. 22 and 23 E., Kateel River Meridian;

Thence easterly, between sections 19 and 30, 20 and 29, 21 and 28, 22 and 27, approximately 4 miles to the corner of sections 22, 23, 26 and 27, T. 17 S., R. 23 E., Kateel River Meridian;

Thence northerly, between sections 22 and 23, approximately 1 mile to the corner of sections 14, 15, 22 and 23, T. 17 S., R. 23 E., Kateel River Meridian;

Thence easterly, between sections 14 and 23, approximately 1 mile to the corner of sections 13, 14, 23 and 24, T. 17 S., R. 23 E., Kateel River Meridian;

Thence northerly, between sections 13 and 14, approximately 1 mile to the corner of sections 11, 12, 13 and 14, T. 17 S., R. 23 E., Kateel River Meridian;

Thence easterly, between sections 12 and 13, approximately 1 mile to the corner of sections 7, 12, 13 and 18, T. 17 S., Rs. 23 and 24 E., Kateel River Meridian;

Thence northerly, between Rs. 23 and 24 E., approximately 1 mile to the corner of sections 1, 6, 7 and 12, T. 17 S., Rs. 23 and 24 E., Kateel River Meridian;

Thence easterly, between sections 6 and 7, 5 and 8, approximately 2 miles to the corner of sections 4, 5, 8 and 9, T. 17 S., R. 24 E., Kateel River Meridian;

Thence northerly, between sections 4 and 5, approximately 1 mile to the closing corner of sections 4 and 5, T. 17 S., R. 24 E., Kateel River Meridian;

Thence easterly, on the Fourth Standard Parallel South, approximately 1 3/4 miles to the standard corner of sections 32 and 33, T. 16 S., R. 24 E., Kateel River Meridian;

Thence northerly, between sections 32 and 33, approximately 1 mile to the corner of sections 28, 29, 32 and 33, T. 16 S., R. 24 E., Kateel River Meridian;

Thence easterly, between sections 28 and 33, approximately 1 mile to the corner of sections 27, 28, 33 and 34, T. 16 S., R. 24 E., Kateel River Meridian;

Thence northerly, between sections 27 and 28, approximately 1 mile to the corner of sections 21, 22, 27 and 28, T. 16 S., R. 24 E., Kateel River Meridian;

Thence easterly, between sections 22 and 27, 23 and 26, approximately 2 miles to the corner of sections 23, 24, 25 and 26, T. 16 S., R. 24 E., Kateel River Meridian;

Thence northerly, between sections 23 and 24, approximately 1 mile to the corner of sections 13, 14, 23 and 24, T. 16 S., R. 24 E., Kateel River Meridian;

Thence easterly, between sections 13 and 24, 18 and 19, approximately 2 miles to the corner of sections 17, 18, 19 and 20, T. 16 S., R. 25 E., Kateel River Meridian;

Thence northerly, between sections 17 and 18, 7 and 8, approximately 2 miles to the corner of sections 15, 6, 7 and 8 T. 16 S., R. 25 E., Kateel River Meridian;

Thence easterly, between sections 5 and 8, approximately 1 mile to the corner of sections 4, 5, 8 and 9, T. 16 S., R. 25 E., Kateel River Meridian;

Thence northerly, between sections 4 and 5, approximately 1 mile to the corner of sections 4, 5, 32 and 33, Tps. 15 and 16 S., R. 25 E., Kameel River Meridian;

Thence easterly, between Tps. 15 and 16 S., approximately 1 mile to the corner of sections 3, 4, 35 and 36, Tps. 15 and 16 S., R. 25 E., Kameel River Meridian;

Thence northerly, between sections 33 and 34, 27 and 28, approximately 2 miles to the corner of sections 21, 22, 27 and 28, T. 15 S., R. 25 E., Kameel River Meridian;

Thence easterly, between sections 22 and 27, approximately 1 mile to the corner of sections 22, 23, 26 and 27, T. 15 S., R. 25 E., Kameel River Meridian;

Thence northerly, between sections 22 and 23, approximately 1 mile to the corner of sections 14, 15, 22 and 23, T. 15 S., R. 25 E., Kameel River Meridian;

Thence easterly, between sections 14 and 23, approximately 1 mile to the corner of sections 13, 14, 23 and 24, T. 15 S., R. 25 E., Kameel River Meridian;

Thence northerly, between sections 13 and 14, 11 and 12, 1 and 2, 35 and 36, approximately 4 miles to the corner of sections 25, 26, 35 and 36, T. 14 S., R. 25 E., Kameel River Meridian;

Thence easterly, between sections 25 and 36, approximately 1 mile to the corner of sections 25, 30, 31 and 36, T. 14 S., R. 25 and 26 E., Kameel River Meridian;

Thence northerly, between Rs. 25 and 26 E., approximately 3 miles to the corner of sections 7, 12, 13 and 18, T. 14 S., R. 25 and 26 E., Kameel River Meridian;

Thence easterly, between sections 7 and 18, 8 and 17, approximately 2 miles to the corner of sections 8, 9, 16 and 17, T. 14 S., R. 26 E., Kameel River Meridian;

Thence northerly, between sections 8 and 9, approximately 1 mile to the corner of sections 4, 5, 8 and 9, T. 14 S., R. 26 E., Kameel River Meridian;

Thence easterly, between sections 4 and 9, approximately 1 mile to the corner of sections 3, 4, 9 and 10, T. 14 S., R. 26 E., Kameel River Meridian;

Thence northerly, between sections 3 and 4, approximately 1 mile to the corner of sections 3, 4, 33 and 34, Tps. 13 and 14 S., R. 26 E., Kameel River Meridian;

Thence easterly, between Tps. 13 and 14 S., approximately 2 miles to the corner of sections 1, 2, 35 and 36, Tps. 13 and 14 S., R. 26 E., Kameel River Meridian;

Thence northerly, between sections 35 and 36, 25 and 26, approximately 2 miles to the corner of sections 23, 24, 25 and 26, T. 13 S., R. 26 E., Kameel River Meridian;

Thence easterly, between sections 24 and 25, approximately 1 mile to the corner of sections 19, 24, 25, 30, T. 13 S., R. 26 and 27 E., Kameel River Meridian;

Thence northerly, between Rs. 26 and 27 E., approximately 1 mile to the corner of sections 13, 18, 19 and 24, T. 13 S., R. 26 and 27 E., Kameel River Meridian;

Thence easterly, between sections 18 and 19, 17 and 20, approximately 2 miles to the corner of sections 16, 17, 20 and 21, T. 13 S., R. 27 E., Kameel River Meridian;

Thence northerly, between sections 16 and 17, 8 and 9, 4 and 5, approximately 3 miles to the closing corner of sections 4 and 5, T. 13 S., R. 27 E., Kameel River Meridian;

Thence westerly, on the Third Standard Parallel South, approximately 100 feet to the standard corner of T. 12 S., R. 26 and 27 E., Kameel River Meridian;

Thence northerly, between Rs. 26 and 27 E., approximately 1 mile to the corner of sections 25, 30, 31 and 36, T. 12 S., R. 26 and 27 E., Kameel River Meridian;

Thence easterly, between sections 30 and 31, 29 and 32, 28 and 33, 27 and 34, 26 and 35, 25 and 36, approximately 6 miles to the corner of sections 25, 30, 31 and 36, T. 12 S., R. 27 and 28 E., Kameel River Meridian;

Thence southerly, between Rs. 27 and 28 E., approximately 1 mile to the standard corner of T. 12 S., R. 27 and 28 E., Kameel River Meridian;

Thence easterly, on the Third Standard Parallel South, approximately 1 mile to the closing corner of sections 3 and 4, T. 13 S., R. 28 E., Kameel River Meridian;

Thence southerly, between sections 3 and 4, approximately 1 mile to the corner of sections 3, 4, 9 and 10, T. 13 S., R. 28 E., Kameel River Meridian;

Thence easterly, between sections 3 and 10, 2 and 11, 1 and 12, 6 and 7, 5 and 8, 4 and 9, 3 and 10, 2 and 11, 1 and 12, 6 and 7, approximately 9 3/4 miles to the corner of sections 6 and 7, T. 13 S., R. 30 E., on the east boundary of the Kameel River Meridian;

Thence northerly, between sections 16 and 17, 8 and 9, 4 and 5, approximately 3 miles to the closing corner of sections 4 and 5, T. 13 S., R. 27 E., Kameel River Meridian;

Thence easterly, on the Third Standard Parallel South, approximately 1 mile to the closing corner of sections 3 and 4, T. 13 S., R. 28 E., Kameel River Meridian;

Thence southerly, between sections 3 and 4, approximately 1 mile to the corner of sections 3, 4, 9 and 10, T. 13 S., R. 28 E., Kameel River Meridian;

Thence easterly, between sections 3 and 10, 2 and 11, 1 and 12, 6 and 7, 5 and 8, 4 and 9, 3 and 10, 2 and 11, 1 and 12, 6 and 7, approximately 9 3/4 miles to the corner of sections 6 and 7, T. 13 S., R. 30 E., on the east boundary of the Kameel River Meridian;

Thence southerly, between the Fairbanks and Keteel River Meridians, approximately 200 feet to the 1/4 section corner of section 19, T. 6 S., R. 27 W., Fairbanks Meridian;

Thence easterly, on the east and west centerline of section 19, approximately 1 mile to the 1/4 section corner of sections 19 and 20, T. 6 S., R. 27 W., Fairbanks Meridian;

Thence northerly, between sections 19 and 20, 17 and 18, T. 6 S., R. 27 W., Fairbanks Meridian, on the 1/4 section corner of sections 17 and 18, T. 6 S., R. 27 W., Fairbanks Meridian;

Thence easterly, on the east and west centerline of section 17, approximately 1 mile to the 1/4 section corner of sections 16 and 17, T. 6 S., R. 27 W., Fairbanks Meridian;

Thence northerly, between sections 16 and 17, 8 and 9, approximately 1 1/2 miles to the corner of sections 4, 5, 8 and 9, T. 6 S., R. 27 W., Fairbanks Meridian;

Thence easterly, between sections 4 and 9, approximately 1 mile to the corner of sections 3, 4, 9 and 10, T. 6 S., R. 27 W., Fairbanks Meridian;

Thence northerly, between sections 3 and 4, 33 and 34, approximately 2 miles to the corner of sections 27, 28, 33 and 34, T. 5 S., R. 27 W., Fairbanks Meridian;

Thence easterly, between sections 27 and 34, 26 and 35, 25 and 36, approximately 3 miles to the corner of sections 25, 30, 31 and 36, T. 5 S., R. 26 and 27 W., Fairbanks Meridian;

Thence northerly, between Rs. 26 and 27 W., approximately 4 miles to the corner of sections 1, 6, 7 and 12, T. 5 S., R. 26 and 27 W., Fairbanks Meridian;

Thence easterly, between sections 6 and 7, approximately 1 mile to the corner of sections 5, 6, 7 and 8, T. 5 S., R. 26 W., Fairbanks Meridian;

Thence northerly, between sections 5 and 6, approximately 1 mile to the closing corner of sections 5 and 6, T. 5 S., R. 26 W., Fairbanks Meridian;

Thence easterly, on the First Standard Parallel South, approximately 500 feet to the standard corner of sections 33 and 34, T. 4 S., R. 26 W., Fairbanks Meridian;

Thence northerly, between sections 33 and 34, 27 and 28, 21 and 22, 15 and 16, 9 and 10, 3 and 4, 33 and 34, 27 and 28, 21 and 22, 15 and 16, 9 and 10, 3 and 4, 33 and 34, 27 and 28, 21 and 22, 15 and 16, 9 and 10, 3 and 4, approximately 18 miles to the corner of sections 3, 4, 33 and 34, Tps. 1 and 2 S., R. 26 W., Fairbanks Meridian;

Thence westerly, between Tps. 1 and 2 S., approximately 3 miles to the corner of Tps. 1 and 2 S., Rs. 26 and 27 W., Fairbanks Meridian;

Thence northerly, between Rs. 26 and 27 W., approximately 6 miles to the closing corner of T. 1 S., Rs. 26 and 27 W., Fairbanks Meridian;

Thence westerly, on the Fairbanks Base Line, approximately 2 miles to the standard corner of T. 1 N., Rs. 26 and 27 W., Fairbanks Meridian;

Thence northerly, between Rs. 26 and 27 W., approximately 22 miles to the meander corner of sections 15 and 18, T. 4 N., Rs. 26 and 27 W., Fairbanks Meridian, on the left bank of the Yukon River;

Thence southwesterly, along the left bank of the Yukon River, approximately 93 miles to the meander corner on the south boundary of section 32, T. 8 S., R. 17 E., Keteel River Meridian;

Thence easterly, on the Second Standard Parallel South, approximately 9 1/2 miles to the closing corner of T. 9 S., Rs. 18 and 19 E., Keteel River Meridian, the place of beginning.

All islands located in the Yukon River from section 7, T. 4 N., R. 26 W., Fairbanks Meridian, southwesterly to section 32, T. 8 S., R. 17 E., Keteel River Meridian, including all of Darwin Island, are included in the Nowitna National Wildlife Refuge.

UNITS OF THE NATIONAL WILD AND SCENIC RIVER SYSTEM WITHIN THE NOWITNA NATIONAL WILDLIFE REFUGE

Designated Wild River:

Section 602:

"Nowitna, Alaska--That portion from the point where the river crosses the west limit of township 18 south, range 22 east, Keteel River meridian, to its confluence with the Yukon River within the boundaries of the Nowitna National Wildlife Refuge; to be administered by the Secretary of the Interior."

NOTE: The boundary of the Nowitna wild river corridor will be determined

during the comprehensive conservation planning process for the Nowitna National Wildlife Refuge and will be published upon completion of that plan (due by December 1987).

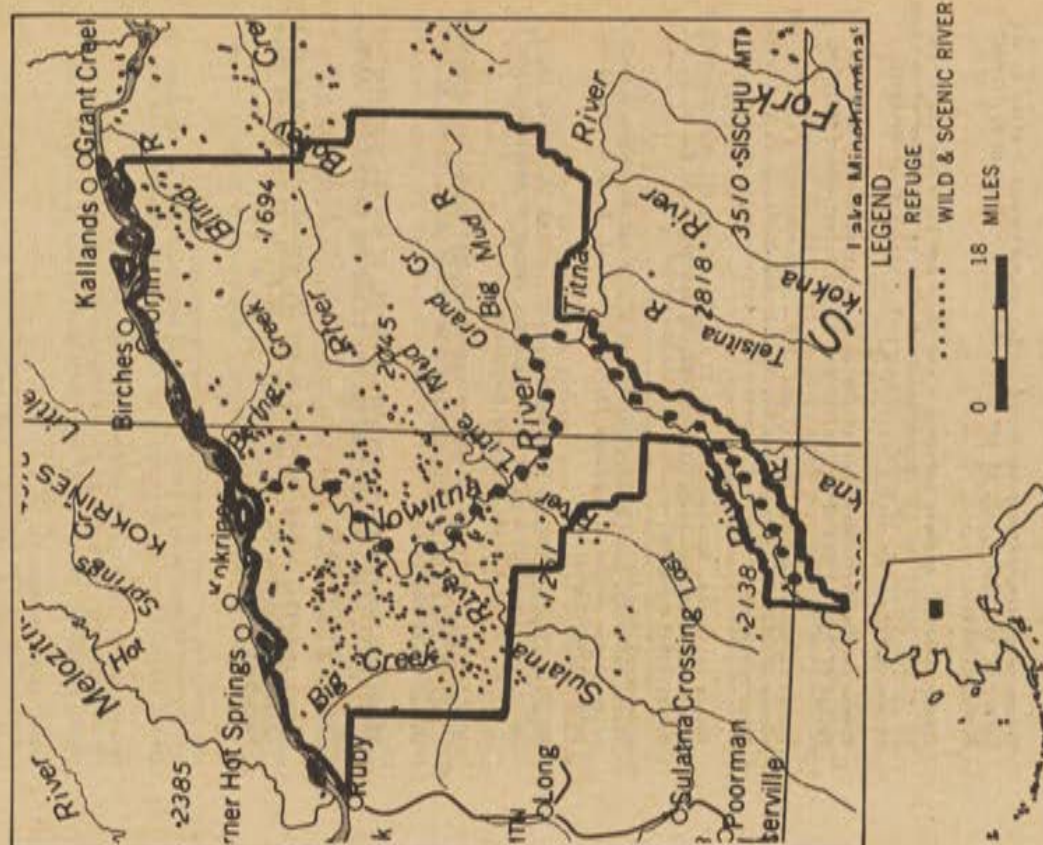
NOWITNA NATIONAL WILDLIFE REFUGE

PUBLIC LAW 96-487

The following USS quadrangle maps were used to prepare the legal description for the Nowitna National Wildlife Refuge:

nr - minor revision

Scale of Map	Name and Date
1:63,360	Melositas (A-1) 1932 nr 1971; (A-2) 1953 nr 1973; (A-3) 1954 nr 1966.
1:63,360	Tanana (A-6) 1952 nr 1969.
1:63,360	Ruby (A-2), (A-3), (A-4) 1952; (B-1), (B-2) 1952 nr 1973; (B-3) 1953 nr 1966; (B-4), (B-5), (C-5), (D-3) 1952; (D-4) 1953 nr 1966; (D-5) 1952.
1:63,360	Kantishna River (B-6) 1952; (C-6), (D-6) 1952 nr 1973.
1:63,360	Medfra (D-3), (D-4) 1954.



- Thence southerly, between sections 7 and 8, approximately $\frac{1}{2}$ mile to the $\frac{1}{2}$ section corner of sections 7 and 8, T. 18 N., R. 3 E., Kateel River Meridian;
- Thence westerly, on the east and west centerline of section 7, approximately $\frac{1}{2}$ mile to the center $\frac{1}{2}$ section corner of section 7, T. 18 N., R. 3 E., Kateel River Meridian;
- Thence southerly, on the north and south centerlines of sections 7 and 18, approximately $\frac{1}{2}$ miles to the center south $\frac{1}{2}$ section corner of section 18, T. 18 N., R. 3 E., Kateel River Meridian;
- Thence westerly, on the east and west centerline of the southeast $\frac{1}{4}$ of section 18, approximately $\frac{1}{2}$ mile to S $\frac{1}{2}$ section corner of sections 13 and 18, T. 18 N., R. 2 and 3 E., Kateel River Meridian;
- Thence northerly, between Rs. 2 and 3 E., approximately $\frac{3}{4}$ mile to the corner of sections 7, 12, 13 and 18, T. 18 N., R. 2 and 3 E., Kateel River Meridian;
- Thence on an approximate forward bearing of N. 40° E., approximately $\frac{1}{2}$ mile to the summit of a ridge located in the northeasterly portion of section 12, T. 18 N., R. 2 E., Kateel River Meridian, approximate elevation 1,550 feet;
- Thence northwesterly and westerly, along the crest of the Waring Mountains, approximately 18 miles to the summit of a mountain located in sections 10 and 11, T. 18 N., R. 1 W., Kateel River Meridian, approximate elevation 1,125 feet;
- Thence on an approximate forward bearing of N. 80° W., approximately 6,100 feet to the summit of a mountain located in the easterly portion of section 9, T. 18 N., R. 1 W., Kateel River Meridian, approximate elevation 950 feet;
- Thence northwesterly, westerly and southerly, along the crest of the Waring Mountains, approximately $\frac{1}{2}$ miles to the summit of a mountain located in the northerly portion of section 18, T. 18 N., R. 1 W., Kateel River Meridian, approximate elevation 900 feet;
- Thence on an approximate forward bearing of S. 30° W., approximately 8,400 feet to the summit of a mountain located in section 24, T. 18 N., R. 2 W., Kateel River Meridian, approximate elevation 1,050 feet;
- Thence westerly, northerly, and southwesterly, along the crest of the Waring Mountains, approximately $\frac{1}{2}$ miles to the summit of a mountain located in the northerly portion of section 27, T. 18 N., R. 3 W., Kateel River Meridian, approximate elevation 800 feet;
- Thence northerly, between sections 20 and 21, 16 and 17, 8 and 9, approximately 3 miles to the corner of sections 4, 5, 8 and 9, T. 13 N., R. 11 E., Kateel River Meridian;
- Thence westerly, between sections 5 and 8, 6 and 7, 1 and 12, 2 and 11, 3 and 10, approximately 5 miles to the corner of sections 3, 4, 9 and 10, T. 13 N., R. 10 E., Kateel River Meridian;
- Thence northerly, between sections 3 and 4, approximately 1 mile to the corner of sections 3, 4, 33 and 34, Tps. 13 and 14 N., R. 10 E., Kateel River Meridian;
- Thence westerly, between Tps. 13 and 14 N., approximately 9 miles to the corner of Tps. 13 and 14 N., Rs. 8 and 9 E., Kateel River Meridian;
- Thence southerly, between Rs. 8 and 9 E., approximately 2 miles to the corner of sections 7, 12, 13 and 18, T. 13 N., R. 8 and 9 E., Kateel River Meridian;
- Thence westerly, between sections 12 and 13, 11 and 14, 10 and 15, 9 and 16, 8 and 17, 7 and 18, 12 and 13, 11 and 14, 10 and 15, 9 and 16, 8 and 17, 7 and 18, 12 and 13, 11 and 14, 10 and 15, 9 and 16, 8 and 17, 7 and 18, approximately 24 miles to the corner of sections 7, 12, 13 and 18, T. 13 N., R. 4 and 5 E., Kateel River Meridian;
- Thence northerly, between Rs. 4 and 5 E., approximately 20 miles to the closing corner of T. 16 N., R. 4 and 5 E., Kateel River Meridian;
- Thence easterly, along the Fourth Standard Parallel North, approximately 1,700 feet to the standard corner of T. 17 N., R. 4 and 5 E., Kateel River Meridian;
- Thence northerly, between Rs. 4 and 5 E., approximately 12 miles to the corner of Tps. 18 and 19 N., Rs. 4 and 5 E., Kateel River Meridian;
- Thence westerly, between Tps. 18 and 19 N., approximately 9 miles to the corner of sections 3, 4, 33 and 34, Tps. 18 and 19 N., R. 3 E., Kateel River Meridian;
- Thence on an approximate forward bearing of S. 60° W., approximately 5,800 feet to the summit of a ridge located in the westerly portion of section 4, T. 18 N., R. 3 E., Kateel River Meridian; approximate elevation 1,050 feet;
- Thence on an approximate forward bearing of N. 45° W., approximately 1,800 feet to the summit of a mountain located in section 5, T. 18 N., R. 3 E., Kateel River Meridian, approximate elevation 1,215 feet;
- Thence on an approximate forward bearing of S. 50° W., approximately $\frac{3}{4}$ mile to the corner of sections 5, 6, 7 and 8, T. 18 N., R. 3 E., Kateel River Meridian;

Thence on an approximate forward bearing of N. 85° W., approximately 7,100 feet to the summit of a mountain located in the northwesterly portion of section 28, T. 18 N., R. 3 W., Kateel River Meridian, approximate elevation 975 feet;

Thence southwesterly, northwesterly and westerly, along the crest of the Waring Mountains between the drainages of the Kobuk River and Selawik River, approximately 24 miles to a point between sections 13 and 18, T. 18 N., R. 5 and 6 W., Kateel River Meridian, approximate elevation 900 feet;

Thence northerly, between Rs. 5 and 6 W., approximately 4 miles to the section corner of sections 25 and 30, T. 19 N., Rs. 5 and 6 W., Kateel River Meridian;

Thence due west, approximately 300 feet to a point at the line of mean high water on the right bank of the Kobuk River located in the easterly portion of section 25, T. 19 N., R. 6 W., Kateel River Meridian;

Thence southwesterly and westerly, along the right bank of the Kobuk River and the Melvin Channel, approximately 60 miles to its junction with the Ogrivey River and the east and west centerline of section 20, T. 17 N., R. 13 W., Kateel River Meridian;

Thence northerly, on the east bank of the Ogrivey River, approximately 34 miles to a point between section 6 and 7, T. 17 N., R. 13 W., Kateel River Meridian;

Thence easterly, between section 6 and 7, 5 and 8, approximately 1 1/3 miles to the corner of sections 4, 5, 8 and 9, T. 17 N., R. 13 W., Kateel River Meridian;

Thence northerly, between sections 4 and 5, approximately 1/4 mile to the section corner of sections 4 and 5, T. 17 N., R. 13 W., Kateel River Meridian;

Thence easterly, along the east and west centerline of section 4, approximately 1 mile to the section corner of sections 3 and 4, T. 17 N., R. 13 W., Kateel River Meridian;

Thence northerly, between sections 3 and 4, 33 and 34, approximately 1 mile to the section corner of sections 33 and 34, T. 18 N., R. 13 W., Kateel River Meridian;

Thence easterly, on the east and west centerline of section 34, approximately 1 mile to the section corner of sections 34 and 35, T. 18 N., R. 13 W., Kateel River Meridian;

Thence northerly, between sections 34 and 35, 26 and 27, approximately 1 1/4 miles to the corner of sections 22, 23, 26 and 27, T. 18 N., R. 13 W., Kateel River Meridian;

Thence westerly, between sections 22 and 27, approximately 2,100 feet to the meander corner of sections 22 and 27, at the line of mean high tide of Hotham Inlet, T. 18 N., R. 13 W., Kateel River Meridian;

Thence westerly, southwesterly, southeasterly, northerly, easterly and southerly, following the line of mean high tide of Hotham Inlet and Selawik Lake, closing the mouths of Potomiek Lake and the mouths of all rivers, channels, bays and inlets, to the meander corner of sections 1 and 6, on the south shore of Selawik Lake at the line of mean high tide, T. 11 N., Rs. 7 and 8 W., Kateel River Meridian;

Thence southerly, between Rs. 7 and 8 W., approximately 1 1/4 miles to the corner of Tps. 9 and 10 N., Rs. 7 and 8 W., Kateel River Meridian;

Thence easterly, between Tps. 9 and 10 N., approximately 18 miles to the corner of Tps. 9 and 10 N., Rs. 4 and 5 W., Kateel River Meridian;

Thence southerly, between Rs. 4 and 5 W., approximately 6 miles to the standard corner of T. 9 N., Rs. 4 and 5 W., Kateel River Meridian;

Thence easterly, along the Second Standard Parallel North, approximately 6 1/2 miles to the closing corner of T. 8 N., Rs. 3 and 4 W., Kateel River Meridian;

Thence southerly, between Rs. 3 and 4 W., approximately 10 miles to the corner of sections 19, 24, 25 and 30, T. 7 N., Rs. 3 and 4 W., Kateel River Meridian;

Thence easterly, between sections 19 and 30, 20 and 29, 21 and 28, 22 and 27, 23 and 26, 24 and 25, 19 and 30, 20 and 29, 21 and 28, 22 and 27, 23 and 26, 24 and 25, approximately 18 miles to the corner of sections 19, 24, 25 and 30, T. 7 N., Rs. 1 E. and 1 W., Kateel River Meridian, the place of beginning.

UNITS OF THE NATIONAL WILDERNESS PRESERVATION SYSTEM
WITHIN THE SELAWIK NATIONAL WILDLIFE REFUGE

Section 702 (12):

"Selawik Wilderness of approximately two hundred and forty thousand acres as generally depicted on a map entitled 'Selawik Wildlife Refuge', dated July 1980."

The Selawik Wilderness consists of the public lands, as defined by the ANILCA, within the following boundary:

Beginning at the corner of sections 13, 14, 23 and 24, T. 17 N., R. 3 E., Kateel River Meridian;

Thence northerly, between sections 13 and 14, 11 and 12, 1 and 2, approximately 2 1/2 miles to a point on the right bank of the Kugarak River between sections 1 and 2, T. 17 N., R. 3 E., Kateel River Meridian;

Thence northerly, along the right bank of the Kugarak River located in the southerly portion of section 4, T. 18 N., R. 3 E., Kateel River Meridian;

Thence on an approximate forward bearing of N. 28° W., approximately 1/2 mile to the summit of a ridge located in the westerly portion of section 4, T. 18 N., R. 3 E., Kateel River Meridian, approximate elevation 1,050 feet;

Thence on an approximate forward bearing of N. 43° W., approximately 1,800 feet to the summit of a mountain located in section 5, T. 18 N., R. 3 E., Kateel River Meridian, approximate elevation 1,215 feet;

Thence on an approximate forward bearing of S. 50° W., approximately 3/4 mile to the corner of sections 5, 6, 7 and 8, T. 18 N., R. 3 E., Kateel River Meridian;

Thence southerly, between sections 7 and 8, approximately 1/2 mile to the 1/4 section corner of sections 7 and 8, T. 18 N., R. 3 E., Kateel River Meridian;

Thence westerly, on the east and west centerline of section 7, approximately 1/2 mile to the center 1/4 section corner of section 7, T. 18 N., R. 3 E., Kateel River Meridian;

Thence southerly, on the north and south centerlines of sections 7 and 18, approximately 1 1/2 miles to the center south 1/16 section corner of section 18, T. 18 N., R. 3 E., Kateel River Meridian;

Thence westerly, on the east and west centerline of the southwest 1/4 of section 18, approximately 1/2 mile to S 1/16 section corner of sections 13 and 18, T. 18 N., R. 3 E., Kateel River Meridian;

Thence northerly, between Rs. 2 and 3 E., approximately 3/4 mile to the corner of sections 7, 12, 13 and 18, T. 18 N., R. 3 E., Kateel River Meridian;

Thence on an approximate forward bearing of N. 40° E., approximately 1 mile to the summit of a ridge located in the northeasterly portion of section 12, T. 18 N., R. 2 E., Kateel River Meridian, approximate elevation 1,550 feet;

Thence northerly and westerly, along the crest of the Waring Mountains, approximately 18 miles to the summit of a mountain located in sections 10 and 11, T. 18 N., R. 1 W., Kateel River Meridian, approximate elevation 1,125 feet;

Thence on an approximate forward bearing of N. 80° W., approximately 6,100 feet to the summit of a mountain located in the easterly portion of section 9, T. 18 N., R. 1 W., Kateel River Meridian, approximate elevation 950 feet;

Thence northerly, westerly and southerly, along the crest of the Waring Mountains, approximately 4 1/2 miles to the summit of a mountain located in the northerly portion of section 18, T. 18 N., R. 1 W., Kateel River Meridian, approximate elevation 900 feet;

Thence on an approximate forward bearing of S. 30° W., approximately 8,400 feet to the summit of a mountain located in section 24, T. 18 N., R. 2 W., Kateel River Meridian, approximate elevation 1,050 feet;

Thence westerly, northerly, and southerly, along the crest of the Waring Mountains, approximately 12 1/2 miles to the summit of a mountain located in the northerly portion of section 27, T. 18 N., R. 3 W., Kateel River Meridian, approximate elevation 800 feet;

Thence on an approximate forward bearing of N. 85° W., approximately 7,100 feet to the summit of a mountain located in the northeasterly portion of section 28, T. 18 N., R. 3 W., Kateel River Meridian, approximate elevation 975 feet;

Thence southerly, northerly and westerly, along the crest of the Waring Mountains between the drainages of the Kobuk River and Selawik River approximately 24 miles to a point between sections 13 and 18, T. 18 N., R. 5 and 6 W., Kateel River Meridian, approximate elevation 900 feet;

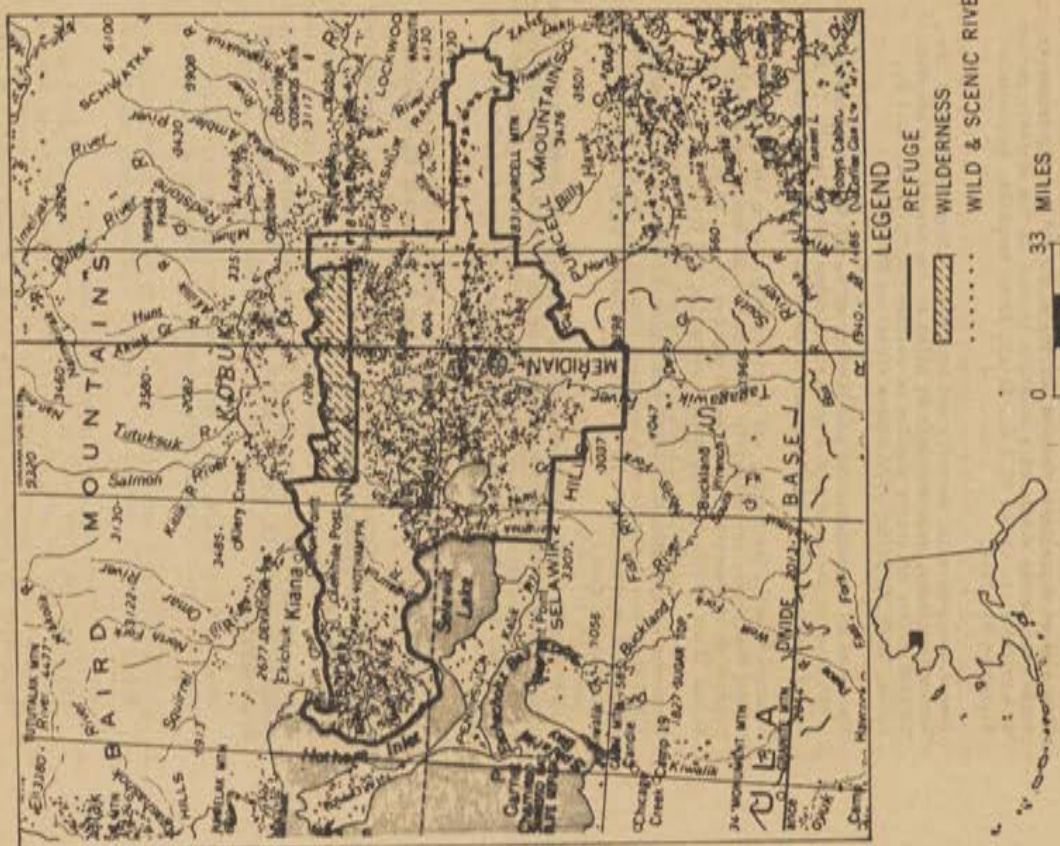
Thence southerly, between Rs. 5 and 6 W., approximately 9 3/4 miles to the standard corner of T. 17 N., Rs. 5 and 6 W., Kateel River Meridian;

Thence easterly, along the Fourth Standard Parallel North, approximately 24 miles to the standard corner of T. 17 N., Rs. 1 and 2 W., Kateel River Meridian;

Thence northerly, between Rs. 1 and 2 W., approximately 3 miles to the corner of sections 13, 18, 19 and 24, T. 17 N., Rs. 1 and 2 W., Kateel River Meridian;

SELAWIK NATIONAL WILDLIFE REFUGE

PUBLIC LAW 96-487



Thence easterly, between sections 18 and 19, 17 and 20, 16 and 21, 15 and 22, 14 and 23, 13 and 24, 12 and 25, 11 and 26, 10 and 27, 9 and 28, 8 and 29, 7 and 30, 6 and 31, 5 and 32, 4 and 33, 3 and 34, 2 and 35, 1 and 36, 37 and 38, 39 and 40, 41 and 42, 43 and 44, 45 and 46, 47 and 48, 49 and 50, 51 and 52, 53 and 54, 55 and 56, 57 and 58, 59 and 60, 61 and 62, 63 and 64, 65 and 66, 67 and 68, 69 and 70, 71 and 72, 73 and 74, 75 and 76, 77 and 78, 79 and 80, 81 and 82, 83 and 84, 85 and 86, 87 and 88, 89 and 90, 91 and 92, 93 and 94, 95 and 96, 97 and 98, 99 and 100, 101 and 102, 103 and 104, 105 and 106, 107 and 108, 109 and 110, 111 and 112, 113 and 114, 115 and 116, 117 and 118, 119 and 120, 121 and 122, 123 and 124, 125 and 126, 127 and 128, 129 and 130, 131 and 132, 133 and 134, 135 and 136, 137 and 138, 139 and 140, 141 and 142, 143 and 144, 145 and 146, 147 and 148, 149 and 150, 151 and 152, 153 and 154, 155 and 156, 157 and 158, 159 and 160, 161 and 162, 163 and 164, 165 and 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936, 937 and 938, 939 and 940, 941 and 942, 943 and 944, 945 and 946, 947 and 948, 949 and 950, 951 and 952, 953 and 954, 955 and 956, 957 and 958, 959 and 960, 961 and 962, 963 and 964, 965 and 966, 967 and 968, 969 and 970, 971 and 972, 973 and 974, 975 and 976, 977 and 978, 979 and 980, 981 and 982, 983 and 984, 985 and 986, 987 and 988, 989 and 990, 991 and 992, 993 and 994, 995 and 996, 997 and 998, 999 and 1000.

UNITS OF THE NATIONAL WILD AND SCENIC RIVERS SYSTEM WITHIN THE SELAWIK NATIONAL WILDLIFE REFUGE:

Section 604:

"Selawik, Alaska--That portion from a fork of the headwaters in township 12 north, range 10 east, Kaituk River meridian to the confluence of the Kugarak River; within the Selawik National Wildlife Refuge to be administered by the Secretary of the Interior."

NOTE: The boundary of the Selawik Wild River corridor will be

determined during the comprehensive conservation planning process for the Selawik National Wildlife Refuge and will be published upon completion of that plan (due by December 1985).

The following USGS quadrangle maps were used to prepare the legal description for the Selawik National Wildlife Refuge:

Name and Date	Scale of Map
Baird Mountains (A-2) 1955 or 1964.	1:63,360
Selawik 1957 or 1971.	1:250,000*
Selawik (A-3), (B-3), (C-3), (C-4), (C-5) 1955; (C-6) 1951; (D-1) 1955 or 1967; (D-2) 1955 or 1973; (D-3), (D-4), (D-5) 1955; (D-6) 1951.	1:63,360*
Shungnak 1955 or 1974.	1:250,000*
Shungnak (D-4) 1955 or 1964; (D-5), (D-6) 1955.	1:63,360*
Candle (D-1) 1954.	1:63,360
Kaituk River (D-6) 1954.	1:63,360

TETLIN NATIONAL WILDLIFE REFUGE

Section 302 (8):

"The Tetlin National Wildlife Refuge shall consist of the approximately seven hundred thousand acres of public land as generally depicted on a map entitled 'Tetlin National Wildlife Refuge', dated July 1980. The northern boundary of the refuge shall be a line parallel to, and three hundred feet south, of the centerline of the Alaska Highway."

The Tetlin National Wildlife Refuge consists of the public lands, as defined by the ANILCA, within the following boundary:

Beginning at the closing corner of sections 5 and 32, Tps. 7 and 8 N., R. 24 E., Copper River Meridian, on the International Boundary between the United States of America and Canada;

Thence northerly, along the International Boundary, approximately 14 1/4 miles to a point on the southerly side of the Alaska Highway, 300 feet from and parallel to the centerline located on the east boundary of section 25, T. 10 N., R. 23 E., Copper River Meridian;

Thence northeasterly, 300 feet from and parallel to the Alaska Highway centerline, approximately 72 miles to a point on the Tetlin Indian Reservation boundary as surveyed and platted in U.S. Survey No. 2547, Alaska, dated October 25, 1979 located in the southeasterly portion of section 30, T. 17 N., R. 17 E., Copper River Meridian;

Thence southeasterly, southeasterly, southerly and southwesterly, along the Tetlin Indian Reservation boundary to a junction of ridges in the easterly portion of section 36, T. 10 N., R. 13 E., Copper River Meridian;

Thence southeasterly, on the crest of a ridge between drainages of the Chisina River and Platinum Creek, approximately 11 1/2 miles to a point between sections 31 and 36, T. 9 N., Rs. 14 and 15 E., Copper River Meridian;

Thence southerly, between Rs. 14 and 15 E., approximately 1/2 mile to the standard corner of T. 9 N., Rs. 14 and 15 E., Copper River Meridian;

Thence easterly, on the Second Standard Parallel North, approximately 37 1/2 miles to the meander corner of Tps. 8 and 9 N., R. 21 E., Copper River Meridian, on the right bank of the Chisina River;

Thence on an approximate forward bearing of S. 38° E., approximately 5 1/2 miles to the summit of a mountain in the northwesterly portion of section 30, T. 8 N., R. 22 E., Copper River Meridian, approximate elevation 3,575 feet;

Thence southeasterly, along the crest of a ridge, approximately 10 miles to a point between sections 4 and 33, Tps. 7 and 8 N., R. 23 E., Copper River Meridian;

Thence easterly, between Tps. 7 and 8 N., approximately 4 3/4 miles to the International Boundary between the United States of America and Canada at the closing corner of sections 5 and 32, T. 7 and 8 N., R. 24 E., Copper River Meridian, the point of beginning.

NOTE: Description of boundary is defined by the location of the centerline of the Alaska Highway on December 2, 1980.

The following USGS quadrangle maps were used to prepare the legal description for the Tetlin National Wildlife Refuge:

Scale of Map	Name and Date
1:63,340	Sebesna (B-1), (B-2) 1960; (C-1), (C-2) 1955 or 1963; (C-3) 1955; (C-4) 1960; (D-1) 1952 or 1967; (D-2) 1955 or 1965; (D-3) 1955 or 1962.
1:63,340	Tanacross (A-2) 1955 or 1972; (A-3) 1948 or 1965.

- Thence westerly, on the Third Standard Parallel South, approximately 7 3/4 miles to the closing corner of T. 13 S., Rs. 72 and 73 W., Seward Meridian;
- Thence southerly, between Rs. 72 and 73 W., approximately 3 miles to the corner of sections 13, 18, 19 and 24, T. 13 S., Rs. 72 and 73 W., Seward Meridian;
- Thence westerly, between sections 13 and 24, 14 and 23, 15 and 22, 16 and 27, 17 and 20, 18 and 19, 13 and 24, 14 and 23, 15 and 22, to the corner of sections 15, 16, 21, 22, T. 13 S., R. 74 W., Seward Meridian;
- Thence southerly, between sections 21 and 22, 27 and 28, 33 and 34, 3 and 4, 9 and 10, 15 and 16, 21 and 22, 27 and 28, 33 and 34, approximately 9 miles to the corner of sections 3, 4, 33 and 34, Tps. 14 and 15 S., R. 74 W., Seward Meridian;
- Thence westerly, between Tps. 14 and 15 S., approximately 3 miles to the corner of Tps. 14 and 15 S. Rs. 74 and 75 W., Seward Meridian;
- Thence southerly, between Rs. 74 and 75 W., approximately 3 miles to the corner of sections 13 and 18, 19 and 24, T. 15 S., Rs. 74 and 75 W., Seward Meridian;
- Thence westerly between sections 13 and 24, 14 and 23, 15 and 22, and theoretical sections 16 and 21, 17 and 20, 18 and 19, to theoretical position for the corner of sections 18 and 19 on the west boundary of T. 15 S., R. 75 W., Seward Meridian;
- Thence southerly, along the west boundary of Tps. 15 and 16 S., R. 75 W., approximately 9 miles to the theoretical position for the southwest corner of T. 16 S., R. 75 W., Seward Meridian;
- Thence westerly, along the theoretical position for the Fourth Standard Parallel South, approximately 13 1/2 miles to the theoretical position for the northwest closing township corner of T. 17 S., R. 78 W., Seward Meridian;
- Thence southerly, along the theoretical position for the west boundary of Tps. 17 and 18 S., R. 78 W., approximately 12 miles, to the theoretical position of the southwest corner of T. 18 S., R. 78 W., Seward Meridian;
- Thence easterly, along the theoretical position for the south boundary of T. 18 S. Rs. 77 and 78 W., approximately 12 miles to the theoretical position of the southwest corner of T. 18 S., R. 76 W., Seward Meridian;
- Thence southerly, along the theoretical position for the west boundary of T. 19 S., R. 76 W., approximately 6 miles to the theoretical position for the southwest corner of T. 19 S., R. 76 W., Seward Meridian;
- Thence easterly, along the theoretical position for the south boundary of T. 19 S., Rs. 75 and 76 W., approximately 12 miles to the theoretical position for the southeast corner of T. 19 S., R. 75 W., Seward Meridian;
- Thence northerly, along the theoretical position for the east boundary of T. 19 S., R. 75 W., approximately 6 miles to the theoretical position for the southwest corner T. 18 S., R. 74 W., Seward Meridian;
- Thence easterly, along the theoretical position for the south boundary of T. 18 S., R. 74 W., approximately 3 miles to the theoretical position of the corner of sections 33 and 34, T. 18 S., R. 74 W., Seward Meridian;
- Thence northerly, between theoretical sections 33 and 34, 27 and 28, 21 and 22, 15 and 16, 9 and 10, approximately 5 miles to the meander corner of sections 9 and 10, T. 18 S., R. 74 W., Seward Meridian;
- Thence northeasterly, southeasterly, northerly and northeasterly, along the line of mean high tide of Hagselister Strait, approximately 23 miles to the meander corner of sections 13 and 18, T. 16 S., Rs. 71 and 72 W., Seward Meridian;
- Thence on an approximate forward bearing of S. 83° E., approximately 1,800 feet to the meander corner of sections 18 and 19, T. 16 S., R. 71 W., Seward Meridian;
- Thence northeasterly, southeasterly and northeasterly, along the line of mean high tide of Hagselister Strait, Togiak Bay and Bristol Bay, closing the mouths of all inlets and rivers, approximately 41 miles to the most southerly point of mainland in the northwesterly portion of section 19, T. 16 S., R. 63 W., Seward Meridian;
- Thence on an approximate forward bearing of N. 57° E., approximately 6,600 feet to the most southerly point of mainland in the northwesterly portion of section 17, T. 16 S., R. 63 W., Seward Meridian;
- Thence northeasterly, along the line of mean high tide of Bristol Bay, approximately 2 miles to the meander corner of sections 4 and 9, T. 16 S., R. 63 W., Seward Meridian;
- Thence on an approximate forward bearing of N. 27° E., approximately 8,600 feet to the most southerly point of mainland in section 34, T. 15 S., R. 63 W., Seward Meridian;
- Thence on an approximate forward bearing of N. 80° E., approximately 21,800 feet to the meander corner of sections 29 and 32, T. 15 S., R. 62 W., Seward Meridian;

Thence easterly, northerly and southeasterly, along the line of mean high tide of Bristol Bay, approximately 4 miles to the most southerly point of the mainland on the westerly side of Ivalik Bay in the westerly portion of section 36, T. 15 S., R. 62 W., Seward Meridian;

Thence on an approximate forward bearing of S. 62° E., approximately 2,200 feet to the most southerly point of the mainland on the easterly side of Ivalik Bay in the southeasterly portion of section 36, T. 15 S., R. 62 W., Seward Meridian;

Thence southeasterly, northeasterly, northwesterly and northerly, along the line of mean high tide of Bristol Bay and Nushagak Bay, closing the mouths of all inlets and rivers, approximately 58 1/2 miles to the most northerly point of Nichols Spit, near the center of section 25, T. 18 S., R. 58 W., Seward Meridian;

Thence due west, approximately 1 mile to a point at the line of mean high tide of Nushagak Bay, near the center of section 26, T. 18 S., R. 58 W., Seward Meridian;

Thence northerly, easterly, northeasterly and northerly, along the line of mean high tide of Nushagak Bay and Nushagak River, closing the mouths of Igushik and Snake Rivers, approximately 35 miles to the meander corner of sections 25 and 36, T. 13 S., R. 56 W., Seward Meridian, on the right bank of Nushagak River;

Thence westerly, between sections 25 and 36, approximately 900 feet to a point on the westerly right-of-way of a road, T. 13 S., R. 56 W., Seward Meridian;

Thence northerly and northwesterly, along the westerly right-of-way of a road, approximately 6 1/2 miles to a point on the south boundary of section 32, T. 12 S., R. 55 W., Seward Meridian;

Thence westerly, on the Third Standard Parallel South, approximately 19 1/4 miles to the standard corner of T. 12 S., Rs. 58 and 59 W., Seward Meridian;

Thence northerly, between Rs. 58 and 59 W., approximately 24 miles to the closing corner of T. 9 S., Rs. 58 and 59 W., Seward Meridian;

Thence westerly, on the Second Standard Parallel South, approximately 3 1/2 miles to the standard corner of T. 8 S., Rs. 58 and 59 W., Seward Meridian;

Thence northerly, between Rs. 58 and 59 W., approximately 24 miles to the closing corner of T. 5 S., Rs. 58 and 59 W., Seward Meridian;

Thence westerly, on the First Standard Parallel South, approximately 3 1/2 miles to the standard corner of T. 4 S., Rs. 58 and 59 W., Seward Meridian;

Thence northerly, between Rs. 58 and 59 W., approximately 24 miles to the closing corner of T. 1 S., Rs. 58 and 59 W., Seward Meridian;

Thence westerly, on the Seward Base Line, approximately 18 miles to the closing corner of T. 1 S., Rs. 61 and 62 W., Seward Meridian;

Thence southerly, between Rs. 61 and 62 W., approximately 3 miles to the corner of sections 13, 18, 19 and 24, T. 1 S., Rs. 61 and 62 W., Seward Meridian;

Thence westerly, between sections 13 and 24, 14 and 23, 15 and 22, 16 and 21, 17 and 20, 18 and 19, approximately 6 miles to the corner of sections 13, 18, 19 and 24, T. 1 S., Rs. 62 and 63 W., Seward Meridian;

Thence southerly, between Rs. 62 and 63 W., approximately 3 miles to the corner of Tps. 1 and 2 S., Rs. 62 and 63 W., Seward Meridian;

Thence westerly, between Tps. 1 and 2 S., approximately 15 miles to the corner of sections 3, 4, 33 and 34, Tps. 1 and 2 S., R. 65 W., Seward Meridian;

Thence southerly, between sections 3 and 4, 9 and 10, 15 and 16, 21 and 22, approximately 4 miles to the corner of sections 21, 22, 27 and 28, T. 2 S., R. 65 W., Seward Meridian;

Thence westerly, between sections 21 and 28, approximately 1 mile to the corner of sections 20, 21, 28 and 29, T. 2 S., R. 65 W., Seward Meridian;

Thence southerly, between sections 28 and 29, approximately 1 mile to the corner of sections 28, 29, 32 and 33, T. 2 S., R. 65 W., Seward Meridian;

Thence westerly, between sections 29 and 32, approximately 1 mile to the corner of sections 29, 30, 31 and 32, T. 2 S., R. 65 W., Seward Meridian;

Thence southerly, between sections 31 and 32, approximately 1 mile to the corner of sections 5, 6, 31 and 32, Tps. 2 and 3 S., R. 65 W., Seward Meridian;

Thence westerly, between Tps. 2 and 3 S., approximately 2 miles to the corner of sections 1, 2, 35 and 36, Tps. 2 and 3 S., R. 66 W., Seward Meridian;

Thence southerly, between sections 1 and 2, approximately 1 mile to the corner of sections 1, 2, 11 and 12, T. 3 S., R. 66 W., Seward Meridian;

Thence westerly, between sections 2 and 11, approximately 1 mile to the corner of sections 2, 3, 10 and 11, T. 3 S., R. 66 W., Seward Meridian;

Thence southerly, between sections 10 and 11, approximately 1/2 mile to the 1/4 section corner of sections 10 and 11, T. 3 S., R. 66 W., Seward Meridian;

Thence westerly, on the east and west centerline of section 10, approximately 1 mile to the 1/4 section corner of sections 9 and 10, T. 3 S., R. 66 W., Seward Meridian;

Thence southerly, between sections 9 and 10, approximately 1/2 mile to the corner of sections 9, 10, 15 and 16, T. 3 S., R. 66 W., Seward Meridian;

Thence westerly, between sections 9 and 16, 8 and 17, 7 and 18, 12 and 13, 11 and 14, approximately 5 miles to the corner of sections 10, 11, 14 and 15, T. 3 S., R. 67 W., Seward Meridian;

Thence southerly, between sections 14 and 15, 22 and 23, 26 and 27, approximately 3 miles to the corner of sections 26, 27, 34 and 35, T. 3 S., R. 67 W., Seward Meridian;

Thence westerly, between sections 27 and 34, 28 and 33, approximately 2 miles to the corner of sections 28, 29, 32 and 33, T. 3 S., R. 67 W., Seward Meridian;

Thence southerly, between sections 32 and 33, 4 and 5, approximately 2 miles to the corner of sections 4, 5, 8 and 9, T. 4 S., R. 67 W., Seward Meridian;

Thence westerly, between sections 5 and 8, approximately 1 mile to the corner of sections 5, 6, 7 and 8, T. 4 S., R. 67 W., Seward Meridian;

Thence southerly, between sections 7 and 8, 17 and 18, approximately 2 miles to the corner of sections 17, 18, 19 and 20, T. 4 S., R. 67 W., Seward Meridian;

Thence westerly, between sections 18 and 19, approximately 1 mile to the corner of sections 13, 18, 19 and 24, T. 4 S., R. 67 and 68 W., Seward Meridian;

Thence southerly, between Rs. 67 and 68 W., approximately 3 miles to the standard corner of T. 4 S., Rs. 67 and 68 W., Seward Meridian;

Thence westerly, along the First Standard Parallel South, approximately 3 miles to the standard corner of sections 33 and 34, T. 4 S., R. 68 W., Seward Meridian;

Thence northerly, between sections 33 and 34, approximately 1 mile to the corner of sections 27, 28, 33 and 34, T. 4 S., R. 68 W., Seward Meridian;

Thence westerly, between sections 28 and 33, approximately 1 mile to the corner of sections 28, 29, 32 and 33, T. 4 S., R. 68 W., Seward Meridian;

Thence northerly, between sections 28 and 29, approximately 1 mile to the corner of sections 20, 21, 28 and 29, T. 4 S., R. 68 W., Seward Meridian;

Thence westerly, between sections 20 and 29, approximately 1 mile to the corner of sections 19, 20, 29 and 30, T. 4 S., R. 68 W., Seward Meridian;

Thence northerly, between sections 19 and 20, approximately 1 mile to the corner of sections 17, 18, 19 and 20, T. 4 S., R. 68 W., Seward Meridian;

Thence westerly, between sections 18 and 19, 13 and 24, 14 and 23, approximately 3 miles to the corner of sections 14, 15, 22 and 23, T. 4 S., R. 69 W., Seward Meridian;

Thence northerly, between sections 14 and 15, approximately 1 mile to the corner of sections 10, 11, 14 and 15, T. 4 S., R. 69 W., Seward Meridian;

Thence westerly, between sections 10 and 15, approximately 1 mile to the corner of sections 9, 10, 15 and 16, T. 4 S., R. 69 W., Seward Meridian;

Thence northerly, between sections 9 and 10, approximately 1 mile to the corner of sections 3, 4, 9 and 10, T. 4 S., R. 69 W., Seward Meridian;

Thence westerly, between sections 4 and 9, 5 and 8, 6 and 7, approximately 3 miles to the corner of sections 1, 6, 7 and 12, T. 4 S., Rs. 69 and 70 W., Seward Meridian;

Thence southerly, between Rs. 69 and 70 W., approximately 1 mile to the corner of sections 7, 12, 13 and 18, T. 4 S., Rs. 69 and 70 W., Seward Meridian;

Thence westerly, between sections 12 and 13, 11 and 14, 10 and 15, 9 and 16, 8 and 17, approximately 5 miles to the corner of sections 7, 8, 17 and 18, T. 4 S., R. 70 W., Seward Meridian;

Thence northerly, between sections 7 and 8, approximately 1 mile to the corner of sections 5, 6, 7 and 8, T. 4 S., R. 70 W., Seward Meridian;

Thence westerly, between sections 6 and 7, 1 and 12, 2 and 11, 3 and 10, 4 and 9, 5 and 8, 6 and 7, 1 and 12, 2 and 11, 3 and 10, 4 and 9, 5 and 8, 6 and 7, approximately 13 miles to the corner of sections 1, 6, 7 and 12, T. 4 S., Rs. 72 and 73 W., Seward Meridian;

Thence southerly, between Rs. 72 and 73 W., approximately 2 miles to the corner of sections 13, 18, 19 and 24, T. 4 S., Rs. 72 and 73 W., Seward Meridian;

Thence westerly, between sections 13 and 24, 14 and 23, 15 and 22, 16 and 21, 17 and 20, 18 and 19, 13 and 24, 14 and 23, 15 and 22, 16 and 21, approximately 9 1/2 miles to the meander corner of sections 16 and 21, T. 4 S., R. 74 W., Seward Meridian, the place of beginning.

UNITS OF THE NATIONAL WILDERNESS PRESERVATION SYSTEM
WITHIN THE TOGIAK NATIONAL WILDLIFE REFUGE:

Section 702 (10):

"Togiak Wilderness of approximately two million two hundred and seventy thousand acres as generally depicted on a map entitled 'Togiak National Wildlife Refuge', dated July 1980."

The Togiak Wilderness consists of the public lands, as defined by the ANILCA, within the following boundary:

TOGIAK WILDERNESS AREA

Beginning at the corner of sections 5, 6, 7 and 8, T. 4 S., R. 70 W., Seward Meridian;

Thence westerly, between sections 6 and 7, 1 and 12, 2 and 11, 3 and 10, 4 and 9, 5 and 8, 6 and 7, approximately 7 miles to the corner of sections 1, 6, 7 and 12, T. 4 S., Rs. 71 and 72 W., Seward Meridian;

Thence southerly, between Rs. 71 and 72 W., approximately 5 miles to the standard corner of T. 4 S., Rs. 71 and 72 W., Seward Meridian;

Thence easterly, on the First Standard Parallel South, approximately 4 1/4 miles to the closing corner of T. 5 S., Rs. 71 and 72 W., Seward Meridian;

Thence southerly, between Rs. 71 and 72 W., approximately 12 miles to the corner of Tps. 6 and 7 S., Rs. 71 and 72 W., Seward Meridian;

Thence easterly, between Tps. 6 and 7 S., approximately 3 miles to the corner of sections 3, 4, 33 and 34, Tps. 6 and 7 S., R. 71 W., Seward Meridian;

Thence southerly, between sections 3 and 4, 9 and 10, 15 and 16, 21 and 22, 27 and 28, 33 and 34, approximately 6 miles to the corner of sections 3, 4, 33 and 34, Tps. 7 and 8 S., R. 71 W., Seward Meridian;

Thence easterly, between Tps. 7 and 8 S., approximately 3 miles to the corner of Tps. 7 and 8 S., Rs. 70 and 71 W., Seward Meridian;

Thence southerly, between Rs. 70 and 71 W., approximately 6 miles to the standard corner of T. 8 S., Rs. 70 and 71 W., Seward Meridian;

Thence easterly, on the Second Standard Parallel South, approximately 4 1/4 miles to the closing corner of T. 9 S., Rs. 70 and 71 W., Seward Meridian;

Thence southerly, between Rs. 70 and 71 W., approximately 12 miles to the corner of Tps. 10 and 11 S., Rs. 70 and 71 W., Seward Meridian;

Thence easterly, between Tps. 10 and 11 S., approximately 72 miles to the corner of Tps. 10 and 11 S., Rs. 58 and 59 W., Seward Meridian;

Thence northerly, between Rs. 58 and 59 W., approximately 12 miles to the closing corner of T. 9 S., Rs. 58 and 59 W., Seward Meridian;

Thence westerly, on the Second Standard Parallel South, approximately 3 1/2 miles to the standard corner of T. 8 S., Rs. 58 and 59 W., Seward Meridian;

Thence northerly, between Rs. 58 and 59 W., approximately 24 miles to the closing corner of T. 5 S., Rs. 58 and 59 W., Seward Meridian;

Thence westerly, on the First Standard Parallel South, approximately 3 1/2 miles to the standard corner of T. 4 S., Rs. 58 and 59 W., Seward Meridian;

Thence northerly, between Rs. 58 and 59 W., approximately 24 miles to the closing corner of T. 1 S., Rs. 58 and 59 W., Seward Meridian;

Thence westerly, on the Seward Base Line, approximately 18 miles to the closing corner of T. 1 S., Rs. 61 and 62 W., Seward Meridian;

Thence southerly, between Rs. 61 and 62 W., approximately 3 miles to the corner of sections 13, 18, 19 and 24, T. 1 S., Rs. 61 and 62 W., Seward Meridian;

Thence westerly, between sections 13 and 24, 14 and 23, 15 and 22, 16 and 21, 17 and 20, 18 and 19, approximately 6 miles to the corner of sections 13, 18, 19 and 24, T. 1 S., Rs. 62 and 63 W., Seward Meridian;

Thence southerly, between Rs. 62 and 63 W., approximately 3 miles to the corner of Tps. 1 and 2 S., Rs. 62 and 63 W., Seward Meridian;

Thence westerly, between Tps. 1 and 2 S., approximately 15 miles to the corner of sections 3, 4, 33 and 34, Tps. 1 and 2 S., R. 63 W., Seward Meridian;

Thence southerly, between sections 3 and 4, 9 and 10, 15 and 16, 21 and 22, approximately 4 miles to the corner of sections 21, 22, 27 and 28, T. 2 S., R. 63 W., Seward Meridian;

Thence southerly, between sections 7 and 8, 17 and 18, approximately 2 miles to the corner of sections 17, 18, 19 and 20, T. 4 S., R. 67 W., Seward Meridian;

Thence westerly, between sections 18 and 19, approximately 1 mile to the corner of sections 13, 18, 19 and 24, T. 4 S., Rs. 67 and 68 W., Seward Meridian;

Thence southerly, between Rs. 67 and 68 W., approximately 3 miles to the standard corner of T. 4 S., Rs. 67 and 68 W., Seward Meridian;

Thence westerly, along the First Standard Parallel South, approximately 3 miles to the standard corner of sections 33 and 34, T. 4 S., R. 68 W., Seward Meridian;

Thence northerly, between sections 33 and 34, approximately 1 mile to the corner of sections 27, 28, 33 and 34, T. 4 S., R. 68 W., Seward Meridian;

Thence westerly, between sections 28 and 33, approximately 1 mile to the corner of sections 28, 29, 32 and 33, T. 4 S., R. 68 W., Seward Meridian;

Thence northerly, between sections 28 and 29, approximately 1 mile to the corner of sections 20, 21, 28 and 29, T. 4 S., R. 68 W., Seward Meridian;

Thence westerly, between sections 20 and 29, approximately 1 mile to the corner of sections 19, 20, 29 and 30, T. 4 S., R. 68 W., Seward Meridian;

Thence northerly, between sections 19 and 20, approximately 1 mile to the corner of sections 17, 18, 19 and 20, T. 4 S., R. 68 W., Seward Meridian;

Thence westerly, between sections 18 and 19, 13 and 24, 14 and 23, approximately 3 miles to the corner of sections 14, 15, 22 and 23, T. 4 S., R. 69 W., Seward Meridian;

Thence northerly, between sections 14 and 15, approximately 1 mile to the corner of sections 10, 11, 14 and 15, T. 4 S., R. 69 W., Seward Meridian;

Thence westerly, between sections 10 and 15, approximately 1 mile to the corner of sections 9, 10, 15 and 16, T. 4 S., R. 69 W., Seward Meridian;

Thence northerly, between sections 9 and 10, approximately 1 mile to the corner of sections 3, 4, 9 and 10, T. 4 S., R. 69 W., Seward Meridian;

Thence westerly, between sections 4 and 9, 5 and 8, 6 and 7, approximately 3 miles to the corner of sections 1, 6, 7 and 12, T. 4 S., Rs. 69 and 70 W., Seward Meridian;

Thence westerly, between sections 21 and 28, approximately 1 mile to the corner of sections 20, 21, 28 and 29, T. 2 S., R. 65 W., Seward Meridian;

Thence southerly, between sections 28 and 29, approximately 1 mile to the corner of sections 28, 29, 32 and 33, T. 2 S., R. 65 W., Seward Meridian;

Thence westerly, between sections 29 and 32, approximately 1 mile to the corner of sections 29, 30, 31 and 32, T. 2 S., R. 65 W., Seward Meridian;

Thence southerly, between sections 31 and 32, approximately 1 mile to the corner of sections 5, 6, 31 and 32, Tps. 2 and 3 S., R. 65 W., Seward Meridian;

Thence westerly, between Tps. 2 and 3 S., approximately 2 miles to the corner of sections 1, 2, 35 and 36, Tps. 2 and 3 S., R. 66 W., Seward Meridian;

Thence southerly, between sections 1 and 2, approximately 1 mile to the corner of sections 1, 2, 11 and 12, T. 3 S., R. 66 W., Seward Meridian;

Thence westerly, between sections 2 and 11, approximately 1 mile to the corner of sections 2, 3, 10 and 11, T. 3 S., R. 66 W., Seward Meridian;

Thence southerly, between sections 10 and 11, approximately 1/2 mile to the 1/4 section corner of sections 10 and 11, T. 3 S., R. 66 W., Seward Meridian;

Thence westerly, on the east and west centerline of section 10, approximately 1 mile to the 1/4 section corner of sections 9 and 10, T. 3 S., R. 66 W., Seward Meridian;

Thence southerly, between sections 9 and 10, approximately 1/2 mile to the corner of sections 9, 10, 15 and 16, T. 3 S., R. 66 W., Seward Meridian;

Thence westerly, between sections 9 and 16, 8 and 17, 7 and 18, 12 and 13, 11 and 14, approximately 5 miles to the corner of sections 10, 11, 14 and 15, T. 3 S., R. 67 W., Seward Meridian;

Thence southerly, between sections 14 and 15, 22 and 23, 26 and 27, approximately 3 miles to the corner of sections 26, 27, 34 and 35, T. 3 S., R. 67 W., Seward Meridian;

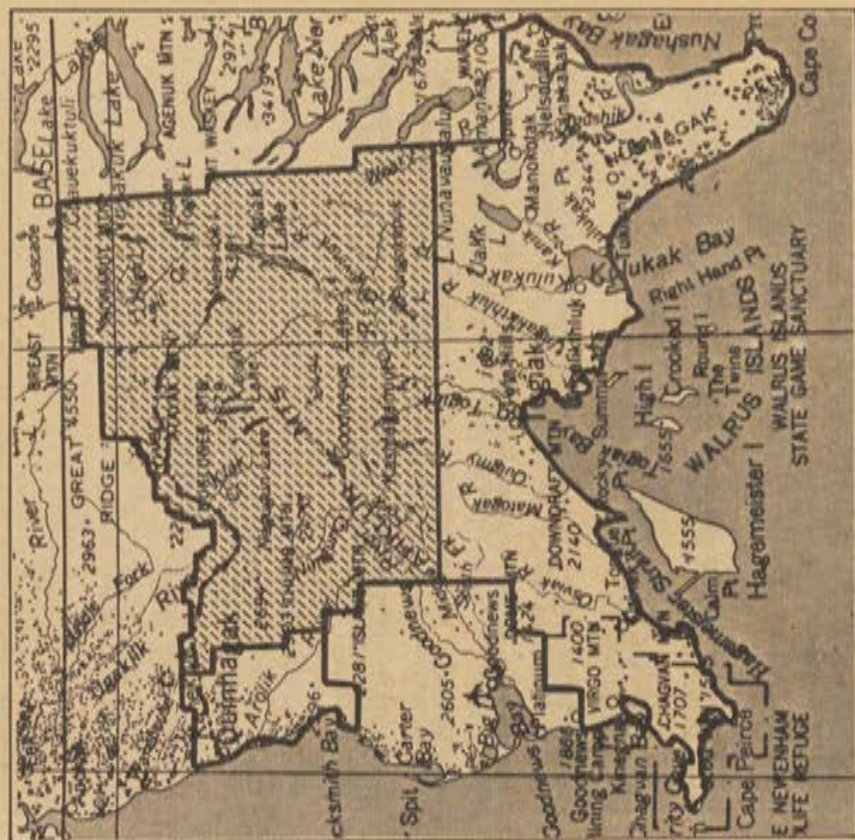
Thence westerly, between sections 27 and 34, 28 and 33, approximately 2 miles to the corner of sections 28, 29, 32 and 33, T. 3 S., R. 67 W., Seward Meridian;

Thence southerly, between sections 32 and 33, 4 and 5, approximately 2 miles to the corner of sections 4, 5, 8 and 9, T. 4 S., R. 67 W., Seward Meridian;

Thence westerly, between sections 5 and 8, approximately 1 mile to the corner of sections 5, 6, 7 and 8, T. 4 S., R. 67 W., Seward Meridian;

TOGIAK NATIONAL WILDLIFE REFUGE

PUBLIC LAW 96-487



Thence southerly, between Rs. 69 and 70 W., approximately 1 mile to the corner of sections 7, 12, 13 and 18, T. 4 S., Rs. 69 and 70 W., Seward Meridian;

Thence westerly, between sections 12 and 13, 11 and 14, 10 and 15, 9 and 16, 8 and 17, approximately 5 miles to the corner of sections 7, 8, 17 and 18, T. 4 S., R. 70 W., Seward Meridian;

Thence northerly, between sections 7 and 8, approximately 1 mile to the corner of sections 5, 6, 7 and 8, T. 4 S., R. 70 W., Seward Meridian, the place of beginning.

UNITS OF THE NATIONAL WILD AND SCENIC RIVERS SYSTEM WITHIN THE TOGIAK NATIONAL WILDLIFE REFUGE:

Section 604:

Kanektok, Alaska--The corridor withdrawn during the course of the study and consideration by Congress, consists of those public lands which constitute the bed or bank, or within an area extending two miles from the bank of the river channel on both sides of the Kanektok River within the Togiak National Wildlife Refuge from Kagati Lake in Tps. 3 and 4 S., R. 63 W., to its mouth, in Tps. 5 S., R. 75 W., Seward Meridian.

The following USGS quadrangle maps were used to prepare the legal description for the Togiak National Wildlife Refuge:

Scale of Map	Name and Date
1:250,000*	Bethel 1950 or 1972.
1:63,360*	Bethel (A-3) 1979 - see Yukon Delta quad; (A-4) 1954.
1:250,000*	Goodnews 1951 or 1972.
1:63,360*	Goodnews (A-1) 1979; (A-4), (A-6) 1954; (A-7) 1954
	mr 1973; (A-8) 1952; (B-1), (B-2) 1979; (B-3) 1954;
	(B-5) 1979; (B-6), (B-7), (B-8) 1954; (C-7),
	(C-8) 1954; (D-4), (D-5), (D-6), (D-7), (D-8)
	1954.
1:63,360	Dillingham (A-7) 1952.
1:250,000	Hagemeister Island 1957 or 1969.
1:63,360	Hagemeister Island (C-4) 1948 or 1973; (C-5) 1952
	mr 1973; (C-6) 1948 or 1963; (C-7) 1947 or 1971;
	(D-1) 1950 or 1972; (D-2) 1953; (D-3) 1948; (D-5),
	(D-6) 1950.
1:63,360	Nushagak Bay (B-3), (B-4), (C-3), (C-4 and C-5) 1950;
	(D-2), (D-5), (D-6) 1952; (D-6) 1950 or 1971.

YUKON DELTA NATIONAL WILDLIFE REFUGE

Section 303 (7):

"The Yukon Delta National Wildlife Refuge shall consist of the existing Clarence Rode National Wildlife Refuge, Hazen Bay National Wildlife Refuge and Nunavut National Wildlife Refuge, including lands, waters, interests, and whatever submerged lands, if any, were retained in Federal ownership at the time of statehood, which shall be redesignated as units of the Yukon Delta National Wildlife Refuge and the addition of approximately thirteen million four hundred thousand acres of public lands, as generally depicted on the map entitled 'Yukon Delta National Wildlife Refuge', dated April 1980."

The Yukon Delta National Wildlife Refuge consists of the public lands, as defined by the ANILCA, within the following boundary:

Beginning at the meander corner of sections 16 and 21, T. 4 S., R. 74 W., Seward Meridian;

Thence northwesterly, along the line of mean high tide of Kuskokwim Bay, closing the mouths of all rivers and creeks, approximately 15 miles to the meander corner of sections 16 and 21, T. 2 S., R. 75 W., Seward Meridian;

Thence westerly, approximately 11 miles to the meander corner of sections 15 and 22, T. 2 S., R. 77 W., Seward Meridian;

Thence southwesterly, westerly and northerly, along the line of mean high tide of Kuskokwim Bay, closing the mouth of Ishkowiik River, Kupukilik and Kinak Rivers, approximately 76 miles to the most southerly tip of section 19, on the right bank of the Kinak River, T. 2 S., R. 86 W., Seward Meridian;

Thence northwesterly, along the line of mean high tide, closing the mouths of all rivers and streams, approximately 31 miles to the meander corner of sections 1 and 12, at the line of mean high tide of Etolin Strait, T. 2 N., R. 89 W., Seward Meridian;

Thence northwesterly, closing the mouth of Kolavinarak River, approximately 1 1/2 miles to the meander corner of sections 2 and 3, at the line of mean high tide of Etolin Strait, T. 2 N., R. 89 W., Seward Meridian;

Thence northwesterly, along the line of mean high tide of Etolin Strait, approximately 20 miles to the meander corner of sections 7 and 8, T. 4 N., R. 91 W., Seward Meridian;

Thence northwesterly, closing the mouth of Kangirivir Bay, approximately 5 miles to the meander corner of sections 25 and 26, at the line of mean high tide of Etolin Strait, T. 5 N., R. 91 W., Seward Meridian;

Thence southwesterly and northwesterly, along the line of mean high tide of Etolin Strait, approximately 4 miles to the meander corner of sections 19 and 20, T. 5 N., R. 91 W., Seward Meridian;

Thence by rhumb lines connecting the following 23 geographic coordinates:

60° 18' N., 165° 02' W.;

60° 10' N., 164° 57' W.;

60° 03' N., 164° 57' W.;

59° 55' N., 165° 05' W.;

59° 46' N., 165° 25' W.;

59° 40' N., 165° 45' W.;

59° 38' N., 166° 00' W.;

59° 38' N., 166° 25' W.;

59° 40' N., 166° 40' W.;

59° 44' N., 167° 00' W.;

59° 48' N., 167° 15' W.;

59° 53' N., 167° 30' W.;

60° 03' N., 167° 45' W.;

60° 08' N., 167° 50' W.;

60° 12' N., 167° 51' W.;

60° 15' N., 167° 50' W.;

Thence northerly, approximately 4,200 feet to a point on the line of mean high tide, at the meander corner of sections 28 and 29, T. 14 N., R. 91 W., Seward Meridian;

Thence northwesterly, closing the mouths of all inlets, rivers and straits, along the line of mean high tide of Bering Sea, approximately 18 miles to the meander corner of sections 2 and 3, T. 15 N., R. 93 W., Seward Meridian;

Thence northwesterly, closing the mouth of Hooper Bay, on the seaward side of all islands, approximately 7 3/4 miles to the meander corner of sections 10 and 11, T. 16 N., R. 94 W., Seward Meridian;

Thence northwesterly and northerly, closing the mouth of all inlets and rivers along the line of mean high tide of the Bering Sea, approximately 16 miles to the meander corner of sections 22 and 27, T. 19 N., R. 93 W., Seward Meridian;

Thence on an approximate forward bearing of N. 18° E., approximately 2 miles to the meander corner of sections 10 and 15, T. 19 N., R. 93 W., Seward Meridian;

Thence northerly, along the line of mean high tide of the Bering Sea, approximately 3 miles to the most northerly point of Anikun Island, located in section 34, T. 20 N., R. 93 W., Seward Meridian;

Thence on an approximate forward bearing of N. 29° E., approximately 7,300 feet to the meander corner of sections 23 and 26, T. 20 N., R. 93 W., Seward Meridian;

Thence northerly, southeasterly, northeasterly and easterly, along the line of mean high tide of the Bering Sea, closing the mouths of all inlets and streams, approximately 10 miles to the meander corner of sections 16 and 17, T. 20 N., R. 91 W., Seward Meridian;

Thence on an approximate forward bearing of N. 84° E., approximately 2 miles to the meander corner of sections 10 and 15, T. 20 N., R. 91 W., Seward Meridian;

Thence northerly, easterly, northwesterly and northeasterly, along the line of mean high tide of the Bering Sea, closing the mouth of all rivers, inlets and bays, approximately 162 miles to the meander corner of sections 8 and 9, T. 28 N., R. 85 W., Seward Meridian;

Thence northeasterly, closing the mouths of all bays, inlets, rivers and all passes and channels of the Yukon River, on the seaward side of all islands, approximately 17 miles to the meander corner of sections 28 and 33, T. 31 N., R. 83 W., Seward Meridian;

60° 20' N., 167° 45' W.;

60° 25' N., 167° 30' W.;

60° 31' N., 167° 00' W.;

60° 36' N., 166° 35' W.;

60° 38' N., 166° 15' W.;

60° 39' N., 166° 00' W.;

60° 37' N., 165° 40' W.;

Thence, on an approximate rhumb line bearing of S. 70° E., approximately 10 miles to the meander corner of Tps. 5 and 6 N., R. 92 W., Seward Meridian;

Thence northeasterly and northwesterly, along the line of mean high tide of Hazen Bay, approximately 27 miles to the most northwesterly tip of Nelson Island, in section 11, T. 8 N., R. 90 W., Seward Meridian;

Thence on an approximate forward bearing of N. 22° W., approximately 4 miles to the most southerly tip of Nunivachek Island, in section 21, T. 9 N., R. 89 W., Seward Meridian;

Thence northwesterly and northeasterly, along the line of mean high tide of Hazen Bay on the seaward side of Nunivachek Island, approximately 1/2 mile to the most northerly tip of Nunivachek Island, in section 21, T. 9 N., R. 89 W., Seward Meridian;

Thence on an approximate forward bearing of N. 21° E., approximately 3 1/2 miles to a point on the Naskonet Peninsula at the line of mean high tide, at the meander corner of sections 2 and 3, T. 9 N., R. 89 W., Seward Meridian;

Thence northwesterly along the line of mean high tide, on the shore of Bering Sea, approximately 8 miles to the point of a headland near latitude 60° 59' N., longitude 165° 12' W., at the south side of Hazen Bay, in section 2, T. 10 N., R. 90 W., Seward Meridian;

Thence on an approximate forward bearing of N. 38° W., approximately 8 miles across the mouth of Hazen Bay to a point of a headland at the west side of Hazen Bay in section 1, T. 11 N., R. 91 W., Seward Meridian;

Thence northwesterly, along the line of mean high tide of Bering Sea, approximately 20 miles to the meander corner of sections 28 and 29, T. 14 N., R. 91 W., Seward Meridian;

Thence northerly, along the line of mean high tide of the Bering Sea, closing the mouth of all bays, inlets and rivers, approximately 1 mile to the meander corner of sections 21 and 28, T. 31 N., R. 83 W., Seward Meridian;

Thence on an approximate forward bearing of N. 22° W., approximately 6,600 feet to the meander corner of sections 16 and 17, T. 31 N., R. 83 W., Seward Meridian;

Thence northwesterly and easterly, along the line of mean high tide of the Bering Sea, approximately 1 mile to the meander corner of sections 16 and 17, T. 31 N., R. 83 W., Seward Meridian;

Thence on an approximate forward bearing of North, approximately 3,500 feet to the meander corner of sections 8 and 9, T. 31 N., R. 83 W., Seward Meridian;

Thence westerly, northerly and southeasterly, along the line of mean high tide of the Bering Sea, approximately 1 mile to the meander corner of sections 4 and 5, T. 31 N., R. 83 W., Seward Meridian;

Thence on an approximate forward bearing of N. 51° E., approximately 4,700 feet to the meander corner of sections 4 and 33, Tps. 31 and 32 N., R. 83 W., Seward Meridian;

Thence northerly, closing the mouth of all bays, inlets and rivers, following the line of mean high tide approximately 17 miles to the corner of sections 30 and 31, T. 28 S., Rs. 31 and 32 W., Kateel River Meridian;

Thence northerly, closing the mouth of Kawanak and Kwikpak Passes, on the seaward side of all islands, approximately 7 miles to a point at the most westerly tip of land in section 28, T. 27 S., R. 31 W., Kateel River Meridian;

Thence northeasterly, southeasterly, easterly and northeasterly, along the line of mean high tide of Norton Sound, closing the mouths of all bays, mouths, inlets, sloughs, passes and rivers, and on the seaward side of all islands, approximately 102 miles to the meander corner of sections 14 and 23, T. 23 S., R. 19 W., Kateel River Meridian;

Thence easterly, between sections 14 and 23, 13 and 24, approximately 1 1/4 miles to the corner of sections 13, 18, 19 and 24, T. 23 S., Rs. 18 and 19 W., Kateel River Meridian;

Thence southerly, between Rs. 18 and 19 W., approximately 2 miles to the corner of sections 25, 30, 31 and 36, T. 23 S., Rs. 18 and 19 W., Kateel River Meridian;

Thence easterly, between sections 30 and 31, approximately 1 mile to the corner of sections 29, 30, 31 and 32, T. 23 S., R. 18 W., Kateel River Meridian;

Thence southerly, between sections 31 and 32, 5 and 6, approximately 2 miles to the corner of sections 5, 6, 7 and 8, T. 24 S., R. 18 W., Kateel River Meridian;

Thence easterly, between sections 5 and 8, 4 and 9, approximately 2 miles to the corner of sections 3, 4, 9 and 10, T. 24 S., R. 18 W., Kateel River Meridian;

Thence southerly, between sections 9 and 10, 15 and 16, 21 and 22, approximately 3 miles to the corner of sections 21, 22, 27 and 28, T. 24 S., R. 18 W., Kateel River Meridian;

Thence easterly, between sections 22 and 27, approximately 1 mile to the corner of sections 22, 23, 26 and 27, T. 24 S., R. 18 W., Kateel River Meridian;

Thence southerly, between sections 26 and 27, 34 and 35, approximately 2 miles to the standard corner of sections 34 and 35, T. 24 S., R. 18 W., Kateel River Meridian;

Thence easterly, on the Sixth Standard Parallel South, approximately 1 1/4 miles to the closing corner of sections 2 and 3, T. 25 S., R. 18 W., Kateel River Meridian;

Thence southerly, between sections 2 and 3, 10 and 11, 14 and 15, approximately 3 miles to the corner of sections 14, 15, 22 and 23, T. 25 S., R. 18 W., Kateel River Meridian;

Thence easterly, between sections 14 and 23, 13 and 24, approximately 2 miles to the corner of sections 13, 18, 19 and 24, T. 25 S., Rs. 17 and 18 W., Kateel River Meridian;

Thence southerly, between Rs. 17 and 18, approximately 2 miles to the corner of sections 25, 30, 31 and 36, T. 25 S., Rs. 17 and 18 W., Kateel River Meridian;

Thence easterly, between sections 30 and 31, 29 and 32, approximately 2 miles to the corner of sections 28, 29, 32 and 33, T. 25 S., R. 17 W., Kateel River Meridian;

Thence southerly, between sections 32 and 33, approximately 1 mile to the corner of sections 4, 5, 32 and 33, Tps. 25 and 26 S., R. 17 W., Kateel River Meridian;

Thence easterly, between sections 14 and 23, 13 and 24, 18 and 19, 17 and 20, approximately 3 1/2 miles to the 1/4 section corner of sections 17 and 20, T. 28 S., R. 13 W., Kateel River Meridian;

Thence southerly, along the north and south centerlines of sections 20, 29, 32 and 3, approximately 4 miles to the 1/4 section corner of section 5 only, T. 29 S., R. 13 W., Kateel River Meridian;

Thence westerly, between the Seward and Kateel River Meridians, approximately 700 feet to the corner of sections 34 and 35, T. 34 N., R. 63 W., Seward Meridian;

Thence southerly, between sections 34 and 35, 2 and 3, 10 and 11, 14 and 15, approximately 4 miles to the corner of sections 14, 15, 22 and 23, T. 33 N., R. 63 W., Seward Meridian;

Thence westerly, between sections 15 and 22, approximately 1 mile to the corner of sections 15, 16, 21 and 22, T. 33 N., R. 63 W., Seward Meridian;

Thence southerly, between sections 21 and 22, approximately 1 mile to the corner of sections 21, 22, 27 and 28, T. 33 N., R. 63 W., Seward Meridian;

Thence westerly, between sections 21 and 28, approximately 1 mile to the corner of sections 20, 21, 28 and 29, T. 33 N., R. 63 W., Seward Meridian;

Thence southerly, between sections 28 and 29, 32 and 33, approximately 2 miles to the standard corner of sections 32 and 33, T. 33 N., R. 63 W., Seward Meridian;

Thence westerly, on the Eighth Standard Parallel North, approximately 1 3/4 miles to the closing corner of sections 4 and 5, T. 32 N., R. 64 W., Seward Meridian;

Thence southerly, between sections 4 and 5, 8 and 9, 16 and 17, 20 and 21, 28 and 29, 32 and 33, 4 and 5, 8 and 9, 16 and 17, approximately 9 miles to the corner of sections 16, 17, 20 and 21, T. 31 N., R. 64 W., Seward Meridian;

Thence easterly, between sections 16 and 21, approximately 1 mile to the corner of sections 15, 16, 21 and 22, T. 31 N., R. 64 W., Seward Meridian;

Thence southerly, between sections 21 and 22, 27 and 28, 33 and 34, 3 and 4, approximately 4 miles to the corner of sections 3, 4, 9 and 10, T. 30 N., R. 64 W., Seward Meridian;

Thence easterly, between Tps. 25 and 26 S., approximately 11 miles to the corner of sections 5, 6, 31 and 32, Tps. 25 and 26 S., R. 15 W., Kateel River Meridian;

Thence southerly, between sections 5 and 6, 7 and 8, 17 and 18, 19 and 20, 29 and 30, 31 and 32, 5 and 6, approximately 7 miles to the corner of sections 5, 6, 7 and 8, T. 27 S., R. 15 W., Kateel River Meridian;

Thence easterly, between sections 5 and 8, approximately 1 mile to the corner of sections 4, 5, 8 and 9, T. 27 S., R. 15 W., Kateel River Meridian;

Thence southerly, between sections 8 and 9, approximately 1 mile to the corner of sections 8, 9, 16 and 17, T. 27 S., R. 15 W., Kateel River Meridian;

Thence easterly, between sections 9 and 16, 10 and 15, approximately 2 miles to the corner of sections 10, 11, 14 and 15, T. 27 S., R. 15 W., Kateel River Meridian;

Thence southerly, between sections 14 and 15, 22 and 23, 26 and 27, 34 and 35, 2 and 3, 10 and 11, 14 and 15, 22 and 23, approximately 8 miles to the corner of sections 22, 23, 26 and 27, T. 28 S., R. 15 W., Kateel River Meridian;

Thence easterly, between sections 23 and 26, 24 and 25, 19 and 30, 20 and 29, approximately 4 miles to the corner of sections 20, 21, 28 and 29, T. 28 S., R. 14 W., Kateel River Meridian;

Thence northerly, between sections 20 and 21, 16 and 17, approximately 2 miles to the corner of sections 8, 9, 16 and 17, T. 28 S., R. 14 W., Kateel River Meridian;

Thence easterly, between sections 9 and 16, approximately 1 mile to the corner of sections 9, 10, 15 and 16, T. 28 S., R. 14 W., Kateel River Meridian;

Thence northerly, between sections 9 and 10, approximately 1 mile to the corner of the sections 3, 4, 9 and 10, T. 28 S., R. 14 W., Kateel River Meridian;

Thence easterly, between sections 3 and 10, approximately 1 mile to the corner of sections 2, 3, 10 and 11, T. 28 S., R. 14 W., Kateel River Meridian;

Thence southerly, between sections 10 and 11, 14 and 15, approximately 2 miles to the corner of sections 14, 15, 22 and 23, T. 28 S., R. 14 W., Kateel River Meridian;

Thence easterly, between sections 3 and 10, approximately 1 mile to the corner of sections 2, 3, 10 and 11, T. 30 N., R. 64 W., Seward Meridian;

Thence southerly, between sections 10 and 11, 14 and 15, approximately 2 miles to the corner of sections 14, 15, 22 and 23, T. 30 N., R. 64 W., Seward Meridian;

Thence westerly, between sections 15 and 22, approximately 1 mile to the corner of sections 15, 16, 21 and 22, T. 30 N., R. 64 W., Seward Meridian;

Thence southerly, between sections 21 and 22, 27 and 28, approximately 2 miles to the corner of sections 27, 28, 33 and 34, T. 30 N., R. 64 W., Seward Meridian;

Thence westerly, between sections 28 and 33, approximately 1 mile to the corner of sections 28, 29, 32 and 33, T. 30 N., R. 64 W., Seward Meridian;

Thence southerly, between sections 32 and 33, approximately 1 mile to the corner of sections 4, 5, 32 and 33, Tps. 29 and 30 N., R. 64 W., Seward Meridian;

Thence westerly, between Tps. 29 and 30 N., approximately 1 mile to the corner of sections 5, 6, 31 and 32, Tps. 29 and 30 N., R. 64 W., Seward Meridian;

Thence southerly, between sections 5 and 6, approximately 1/2 mile to the 1/4 section corner of sections 5 and 6, T. 29 N., R. 64 W., Seward Meridian;

Thence westerly, on the east and west centerline of section 6, approximately 1 mile to the 1/4 section corner of sections 1 and 6, T. 29 N., R. 64 and 65 W., Seward Meridian;

Thence southerly, between Rs. 64 and 65 W., approximately 3 1/2 miles to the corner of sections 19, 24, 25 and 30, T. 29 N., R. 64 and 65 W., Seward Meridian;

Thence westerly, between sections 24 and 25, 23 and 26, approximately 2 miles to the corner of sections 22, 23, 26 and 27, T. 29 N., R. 65 W., Seward Meridian;

Thence northerly, between sections 22 and 23, approximately 1/2 mile to the 1/4 section corner of sections 22 and 23, T. 29 N., R. 65 W., Seward Meridian;

Thence westerly, on the east and west centerline of section 22, approximately 1/2 mile to the center 1/4 section corner of section 22, T. 29 N., R. 65 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 22, approximately 1/2 mile to the 1/4 section corner of section 15, T. 29 N., R. 65 W., Seward Meridian;

Thence westerly, between sections 15 and 22, approximately 1/2 mile to the corner of sections 15, 16, 22 and 23, T. 29 N., R. 65 W., Seward Meridian;

Thence northerly, between sections 15 and 16, approximately 1/2 mile to the 1/4 section corner of sections 15 and 16, T. 29 N., R. 65 W., Seward Meridian;

Thence westerly, on the east and west centerline of section 16, approximately 1 mile to the 1/4 section corner of sections 16 and 17, T. 29 N., R. 65 W., Seward Meridian;

Thence southerly, between sections 16 and 17, approximately 1/2 mile to the corner of sections 16, 17, 20 and 21, T. 29 N., R. 65 W., Seward Meridian;

Thence westerly, between sections 17 and 20, approximately 1 mile to the corner of sections 17, 18, 19 and 20, T. 29 N., R. 65 W., Seward Meridian;

Thence southerly, between sections 19 and 20, approximately 1 mile to the corner of sections 19, 20, 29 and 30, T. 29 N., R. 65 W., Seward Meridian;

Thence westerly, between sections 19 and 30, approximately 1/2 mile to the 1/4 section corner of sections 19 and 30, T. 29 N., R. 65 W., Seward Meridian;

Thence southerly, on the north and south centerline of section 30, approximately 1/2 mile to the center 1/4 section corner of section 30, T. 29 N., R. 65 W., Seward Meridian;

Thence westerly, on the east and west centerline of section 30, approximately 1/2 mile to the 1/4 section corner of sections 25 and 30, T. 29 N., R. 65 and 66 W., Seward Meridian;

Thence southerly, between Rs. 65 and 66 W., approximately 1/2 mile to the corner of sections 25, 30, 31 and 36, T. 29 N., R. 65 and 66 W., Seward Meridian;

Thence westerly, between sections 25 and 36, approximately 1/2 mile to the 1/4 section corner of sections 25 and 36, T. 29 N., R. 66 W., Seward Meridian;

Thence westerly, on the east and west centerline of section 3, approximately 1/2 mile to the 1/4 section corner of sections 3 and 4, T. 23 N., R. 67 W., Seward Meridian;

Thence southerly, between sections 3 and 4, 9 and 10, approximately 1 mile to the 1/4 section corner of sections 9 and 10, T. 23 N., R. 67 W., Seward Meridian;

Thence westerly, on the east and west centerlines of sections 9 and 8, approximately 2 miles to the 1/4 section corner of sections 7 and 8, T. 23 N., R. 67 W., Seward Meridian;

Thence southerly, between sections 7 and 8, 17 and 18, approximately 1 mile to the 1/4 section corner of sections 17 and 18, T. 23 N., R. 67 W., Seward Meridian;

Thence westerly, on the east and west centerlines of sections 18, 13 and 14, approximately 2 1/2 miles to the center 1/4 section corner of section 14, T. 23 N., R. 68 W., Seward Meridian;

Thence southerly, on the north and south centerline of section 14, approximately 1/2 mile to the 1/4 section corner of sections 14 and 23, T. 23 N., R. 68 W., Seward Meridian;

Thence westerly, between sections 14 and 23, 15 and 22, approximately 1 mile to the 1/4 section corner of sections 15 and 22, T. 23 N., R. 68 W., Seward Meridian;

Thence southerly, on the north and south centerlines of sections 22, 27 and 34, approximately 3 miles to the 1/4 section corner of sections 3 and 34, Tps. 22 and 23 N., R. 68 W., Seward Meridian;

Thence westerly, between Tps. 22 and 23 N., approximately 1 1/2 miles to the corner of sections 4, 5, 32 and 33, Tps. 22 and 23 N., R. 68 W., Seward Meridian;

Thence southerly, between sections 4 and 5, 8 and 9, 16 and 17, 20 and 21, 28 and 29, 32 and 33, approximately 6 miles to the corner of sections 4, 5, 32 and 33, Tps. 21 and 22 N., R. 68 W., Seward Meridian;

Thence westerly, between Tps. 21 and 22 N., approximately 1 mile to the corner of sections 5, 6, 31 and 32, Tps. 21 and 22 N., R. 68 W., Seward Meridian;

Thence southerly, between sections 5 and 6, 7 and 8, approximately 2 miles to the corner of sections 7, 8, 17 and 18, T. 21 N., R. 68 W., Seward Meridian;

Thence southerly, on the north and south centerline of section 36, approximately 1/2 mile to the center 1/4 corner of section 36, T. 29 N., R. 66 W., Seward Meridian;

Thence westerly, on the east and west centerline of section 36, approximately 1/2 mile to the 1/4 section corner of sections 35 and 36, T. 29 N., R. 66 W., Seward Meridian;

Thence southerly, between sections 35 and 36, approximately 1/2 mile to the standard corner of sections 35 and 36, T. 29 N., R. 66 W., Seward Meridian;

Thence westerly, on the Seventh Parallel North, approximately 1/2 mile to the closing corner of T. 28 N., Rs. 66 and 67 W., Seward Meridian;

Thence southerly, between Rs. 66 and 67 W., approximately 23 1/2 miles to the 1/4 section corner of sections 31 and 36, T. 25 N., Rs. 66 and 67 W., Seward Meridian;

Thence easterly, on the east and west centerline of section 31, approximately 1 mile to the 1/4 section corner of sections 31 and 32, T. 25 N., R. 66 W., Seward Meridian;

Thence southerly, between sections 31 and 32, approximately 1/2 mile to the standard corner of sections 31 and 32, T. 25 N., R. 66 W., Seward Meridian;

Thence easterly, on the Sixth Standard Parallel North, approximately 1 mile to the 1/4 corner of section 3, T. 24 N., R. 67 W., Seward Meridian;

Thence southerly, on the north and south centerline of sections 3, 10, 15 and 22, approximately 3 1/2 miles to the center 1/4 section corner of section 22 T. 24 N., R. 67 W., Seward Meridian;

Thence easterly, on the east and west centerline of sections 22 and 23, approximately 1 1/2 mile to the 1/4 section corner of sections 23 and 24, T. 24 N., R. 67 W., Seward Meridian;

Thence southerly, between sections 23 and 24, approximately 1/2 mile to the corner of sections 23, 24, 25 and 26, T. 24 N., R. 67 W., Seward Meridian;

Thence easterly, between sections 24 and 25, approximately 1 mile to the corner of sections 19, 24, 25 and 30, T. 24 N., Rs. 66 and 67 W., Seward Meridian;

Thence southerly, between Rs. 66 and 67 W., approximately 2 miles to the corner of Tps. 23 and 24 N., Rs. 66 and 67 W., Seward Meridian;

Thence westerly, between Tps. 23 and 24 N., approximately 2 miles to the corner of sections 2, 3, 34 and 35, Tps. 23 and 24 N., R. 67 W., Seward Meridian;

Thence southerly, between sections 2 and 3, approximately 1/2 mile to the 1/4 section corner of sections 2 and 3, T. 23 N., R. 67 W., Seward Meridian;

- Thence westerly, between sections 7 and 18, approximately 1 mile to the corner of sections 7, 12, 13 and 18, T. 21 N., Rs. 68 and 69 W., Seward Meridian;
- Thence southerly, between Rs. 68 and 69 W., approximately 1 mile to the corner of sections 13, 18, 19 and 24, T. 21 N., Rs. 68 and 69 W., Seward Meridian;
- Thence westerly, between sections 13 and 24, 14 and 23, 15 and 22, 16 and 21, 17 and 20, approximately 5 miles to the corner of sections 17, 18, 19 and 20, T. 21 N., R. 69 W., Seward Meridian;
- Thence northerly, between sections 17 and 18, approximately 1 mile to the corner of sections 7, 8, 17 and 18, T. 21 N., R. 69 W., Seward Meridian;
- Thence westerly, between sections 7 and 18, 12 and 13, approximately 2 miles to the corner of sections 11, 12, 13 and 14, T. 21 N., R. 70 W., Seward Meridian;
- Thence northerly, between sections 11 and 12, approximately 1 mile to the corner of sections 1, 2, 11 and 12, T. 21 N., R. 70 W., Seward Meridian;
- Thence westerly, between sections 2 and 11, approximately 1 mile to the corner of sections 2, 3, 10 and 11, T. 21 N., R. 70 W., Seward Meridian;
- Thence northerly, between sections 2 and 3, approximately 1 mile to the corner of sections 2, 3, 34 and 35, Tps. 21 and 22 N., R. 70 W., Seward Meridian;
- Thence westerly, between Tps. 21 and 22 N., approximately 2 3/4 miles to the meander corner of sections 5 and 32, at the line of mean high water on the right bank of Poltes Slough of the Yukon River, Tps. 21 and 22 N., R. 70 W., Seward Meridian;
- Thence southeasterly and northeasterly, along the line of mean high water of the right banks of Poltes Slough, Wilson Creek Slough, Cross Slough, Thirtytwo Kazyga Slough, Circle Slough, Tuckers Slough, Summer Slough and the Yukon River, approximately 115 miles to the meander of sections 12 and 13, at the line of mean high water on the right bank of the Yukon River, T. 22 N., R. 59 W., Seward Meridian;
- Thence easterly, between sections 12 and 13, 7 and 18, approximately 2 miles to the corner of sections 7, 8, 17 and 18, T. 22 N., R. 58 W., Seward Meridian;
- Thence southerly, between sections 17 and 18, 19 and 20, 29 and 30, 31 and 32, approximately 4 miles to the corner of sections 5, 6, 31 and 32, Tps. 21 and 22 N., R. 58 W., Seward Meridian;
- Thence easterly, between Tps. 21 and 22 N., approximately 1 mile to the corner of sections 4, 5, 32 and 33, Tps. 21 and 22 N., R. 58 W., Seward Meridian;
- Thence southerly, between sections 4 and 5, 8 and 9, 16 and 17, approximately 3 miles to the corner of sections 16, 17, 20 and 21, T. 21 N., R. 58 W., Seward Meridian;
- Thence easterly, between sections 16 and 21, 15 and 22, approximately 2 miles to the corner of sections 14, 15, 22 and 23, T. 21 N., R. 58 W., Seward Meridian;
- Thence southerly, between sections 22 and 23, 26 and 27, 34 and 35, T. 21 N., R. 58 W., Seward Meridian;
- Thence westerly, on the Fifth Standard Parallel North, approximately 300 feet to the closing corner of T. 20 N., Rs. 58 and 59 W., Seward Meridian;
- Thence southerly, between Rs. 58 and 59 W., approximately 3 miles to the corner of sections 13, 18, 19 and 24, T. 20 N., Rs. 58 and 59 W., Seward Meridian;
- Thence westerly, between sections 13 and 24, 14 and 23, approximately 2 miles to the corner of sections 14, 15, 22 and 23, T. 20 N., R. 59 W., Seward Meridian;
- Thence southerly, between sections 22 and 23, 26 and 27, approximately 2 miles to the corner of sections 26, 27, 34 and 35, T. 20 N., R. 59 W., Seward Meridian;
- Thence westerly, between sections 27 and 34, 28 and 33, 29 and 32, 30 and 31, approximately 4 miles to the corner of sections 25, 30, 31 and 36, T. 20 N., Rs. 59 and 60 W., Seward Meridian;
- Thence northerly, between Rs. 59 and 60 W., approximately 1 mile to the corner of sections 19, 24, 25 and 30, T. 20 N., Rs. 59 and 60 W., Seward Meridian;
- Thence westerly, between sections 24 and 25, 23 and 26, approximately 2 miles to the corner of sections 22, 23, 26 and 27, T. 20 N., R. 60 W., Seward Meridian;
- Thence southerly, between sections 26 and 27, approximately 1 mile to the corner of sections 26, 27, 34 and 35, T. 20 N., R. 60 W., Seward Meridian;

Thence westerly, between sections 27 and 34, approximately 1 mile to the corner of sections 27, 28, 33 and 34, T. 20 N., R. 60 W., Seward Meridian;

Thence southerly, between sections 33 and 34, 3 and 4, approximately 2 miles to the corner of sections 3, 4, 9 and 10, T. 19 N., R. 60 W., Seward Meridian;

Thence westerly, between sections 4 and 9, approximately 1 mile to the corner of sections 4, 5, 8 and 9, T. 19 N., R. 60 W., Seward Meridian;

Thence southerly, between sections 8 and 9, 16 and 17, 20 and 21, 28 and 29, 32 and 33, 4 and 5, 8 and 9, 16 and 17, 20 and 21, 28 and 29, 32 and 33, 4 and 5, approximately 12 miles to the corner of sections 4, 5, 8 and 9, T. 17 N., R. 60 W., Seward Meridian;

Thence easterly, between sections 4 and 9, 3 and 10, 2 and 11, 1 and 12, 6 and 7, 5 and 8, 4 and 9, 3 and 10, 2 and 11, 1 and 12, approximately 10 miles to the corner of sections 1, 6, 7 and 12, T. 17 N., R. 58 and 59 W., Seward Meridian;

Thence northerly, between Rs. 58 and 59 W., approximately 1 mile to the corner of Tps. 17 and 18 N., Rs. 58 and 59 W., Seward Meridian;

Thence easterly, between Tps. 17 and 18 N., approximately 4 miles to the corner of sections 2, 3, 34 and 35, Tps. 17 and 18 N., R. 58 W., Seward Meridian;

Thence northerly, between sections 34 and 35, approximately 1 mile to the corner of sections 26, 27, 34 and 35, T. 18 N., R. 58 W., Seward Meridian;

Thence easterly, between sections 26 and 35, approximately 1 mile to the corner of sections 25, 26, 35 and 36, T. 18 N., R. 58 W., Seward Meridian;

Thence northerly, between sections 25 and 26, approximately 1/2 mile to the 1/4 section corner of sections 25 and 26, T. 18 N., R. 58 W., Seward Meridian;

Thence easterly, on the east and west centerlines of sections 25, 30, 29, 28 and 27, approximately 5 miles to the 1/4 section corner of sections 26 and 27, T. 18 N., R. 57 W., Seward Meridian;

Thence southerly, between sections 26 and 27, approximately 1/2 mile to the corner of sections 26, 27, 34 and 35, T. 18 N., R. 57 W., Seward Meridian;

Thence easterly, between sections 26 and 35, 25 and 36, approximately 2 miles to the corner of sections 25, 30, 31 and 36, T. 18 N., R. 56 and 57 W., Seward Meridian;

Thence southerly, between Rs. 56 and 57 W., approximately 3 miles to the corner of sections 7, 12, 13 and 18, T. 17 N., R. 56 and 57 W., Seward Meridian;

Thence easterly, between sections 7 and 18, 8 and 17, 9 and 16, approximately 3 miles to the corner of sections 9, 10, 15 and 16, T. 17 N., R. 56 W., Seward Meridian;

Thence southerly, between sections 15 and 16, approximately 1 mile to the corner of sections 15, 16, 21 and 22, T. 17 N., R. 56 W., Seward Meridian;

Thence easterly, between sections 15 and 22, approximately 1 mile to the corner of sections 14, 15, 22 and 23, T. 17 N., R. 56 W., Seward Meridian;

Thence southerly, between sections 22 and 23, approximately 1 mile to the corner of sections 22, 23, 26 and 27, T. 17 N., R. 56 W., Seward Meridian;

Thence easterly, between sections 23 and 26, approximately 1 mile to the corner of sections 23, 24, 25 and 26, T. 17 N., R. 56 W., Seward Meridian;

Thence southerly, between sections 25 and 26, 35 and 36, approximately 2 miles to the standard corner of sections 35 and 36, T. 17 N., R. 56 W., Seward Meridian;

Thence easterly, on the Fourth Standard Parallel North, approximately 1/2 mile to the closing corner of sections 4 and 5, T. 16 N., R. 56 W., Seward Meridian;

Thence southerly, between sections 4 and 5, 8 and 9, approximately 2 miles to the corner of sections 8, 9, 16 and 17, T. 16 N., R. 56 W., Seward Meridian;

Thence easterly, between sections 9 and 16, approximately 1 mile to the corner of sections 9, 10, 15 and 16, T. 16 N., R. 56 W., Seward Meridian;

Thence southerly, between sections 15 and 16, 21 and 22, 27 and 28, approximately 3 miles to the corner of sections 27, 28, 33 and 34, T. 16 N., R. 56 W., Seward Meridian;

Thence easterly, between sections 27 and 34, approximately 1 mile to the corner of sections 26, 27, 34 and 35, T. 16 N., R. 56 W., Seward Meridian;

Thence southerly, between sections 34 and 35, 2 and 3, 10 and 11, approximately 3 miles to the corner of sections 10, 11, 14, 15, T. 15 N., R. 56 W., Seward Meridian;

Thence easterly, between sections 11 and 14, approximately 1 mile to the corner of sections 11, 12, 13 and 14, T. 15 N., R. 56 W., Seward Meridian;

Thence southerly, between sections 13 and 14, approximately 1 mile to the corner of sections 13, 14, 23 and 24, T. 15 N., R. 56 W., Seward Meridian;

Thence easterly between sections 13 and 24, approximately 1 mile to the corner of sections 13, 18, 19 and 14, T. 15 N., Rs. 55 and 56 W., Seward Meridian;

Thence southerly, between Rs. 55 and 56 W., approximately 2 miles to the corner of sections 25, 30, 31 and 36, T. 15 N., Rs. 55 and 56 W., Seward Meridian;

Thence easterly, between sections 30 and 31, approximately 1 mile to the corner of sections 29, 30, 31 and 32, T. 15 N., R. 55 W., Seward Meridian;

Thence southerly, between sections 31 and 32, 5 and 6, approximately 2 miles to the corner of sections 5, 6, 7 and 8, T. 14 N., R. 55 W., Seward Meridian;

Thence easterly, between sections 5 and 8, 4 and 9, approximately 2 miles to the corner of sections 3, 4, 9 and 10, T. 14 N., R. 55 W., Seward Meridian;

Thence southerly, between sections 9 and 10, 15 and 16, 21 and 22, approximately 3 miles to the corner of sections 21, 22, 27 and 28, T. 14 N., R. 55 W., Seward Meridian;

Thence westerly, between sections 21 and 28, 20 and 29, approximately 2 miles to the corner of sections 19, 20, 29 and 30, T. 14 N., R. 55 W., Seward Meridian;

Thence northerly, between sections 19 and 20, 17 and 18, T. 14 N., R. 55 W., Seward Meridian;

Thence westerly, between sections 7 and 18, 12 and 13, 11 and 14, approximately 3 miles to the corner of sections 10, 11, 14 and 15, T. 14 N., R. 56 W., Seward Meridian;

Thence southerly, between sections 14 and 15, 22 and 23, approximately 2 miles to the corner of sections 22, 23, 26 and 27, T. 14 N., R. 56 W., Seward Meridian;

Thence westerly, between sections 22 and 27, 21 and 28, approximately 2 miles to the corner of sections 20, 21, 28 and 29, T. 14 N., R. 56 W., Seward Meridian;

Thence northerly, between sections 20 and 21, approximately 1 mile to the corner of sections 16, 17, 20 and 21, T. 14 N., R. 56 W., Seward Meridian;

Thence westerly, between sections 17 and 20, approximately 1 mile to the corner of sections 17, 18, 19 and 20, T. 14 N., R. 56 W., Seward Meridian;

Thence northerly, between sections 17 and 18, approximately 1 mile to the corner of sections 7, 8, 17 and 18, T. 14 N., R. 56 W., Seward Meridian;

Thence westerly, between sections 7 and 18, 12 and 13, 11 and 14, 10 and 15, 9 and 16, 8 and 17, 7 and 18, 12 and 13, 11 and 14, approximately 15 miles to the corner of sections 10, 11, 14 and 15, T. 14 N., R. 59 W., Seward Meridian;

Thence southerly, between sections 14 and 15, 22 and 23, approximately 2 miles to the corner of sections 22, 23, 26 and 27, T. 14 N., R. 59 W., Seward Meridian;

Thence westerly, between sections 22 and 27, 21 and 28, 20 and 29, 19 and 20, 24 and 25, 23 and 26, approximately 6 miles to the corner of sections 22, 23, 26 and 27, T. 14 N., R. 60 W., Seward Meridian;

Thence southerly, between sections 26 and 27, 34 and 35, 2 and 3, 10 and 11, approximately 4 miles to the corner of sections 10, 11, 14 and 15, T. 13 N., R. 60 W., Seward Meridian;

Thence easterly, between sections 11 and 14, 12 and 13, approximately 2 miles to the corner of sections 7, 12, 13 and 18, T. 13 N., Rs. 59 and 60 W., Seward Meridian;

Thence southerly, between Rs. 59 and 60 W., approximately 1/2 mile to the 1/4 section corner of sections 13 and 18, T. 13 N., Rs. 59 and 60 W., Seward Meridian;

Thence easterly, on the east and west centerline of section 18, approximately 1/2 mile to the 1/4 section corner of section 18, T. 13 N., R. 59 W., Seward Meridian;

Thence southerly, on the north and south centerlines of sections 18, 19, 30 and 31, approximately 3 miles to the center 1/4 section corner of section 31, T. 13 N., R. 59 W., Seward Meridian;

Thence westerly, on the east and west centerline of section 31, approximately 1/2 mile to the 1/4 section corner of sections 31 and 36, T. 13 N., Rs. 59 and 60 W., Seward Meridian;

Thence southerly, between Rs. 59 and 60 W., approximately 1/2 mile to the standard corner of T. 13 N., Rs. 59 and 60 W., Seward Meridian;

Thence westerly, on the Third Standard Parallel North, approximately 1 1/4 miles to the closing corner of sections 5 and 6, T. 12 N., R. 60 W., Seward Meridian;

Thence southerly, between sections 5 and 6, approximately 1 mile to the corner of sections 5, 6, 7 and 8, T. 12 N., R. 60 W., Seward Meridian;

Thence westerly, between sections 6 and 7, 1 and 12, approximately 2 miles to the corner of sections 1, 2, 11 and 12, T. 12 N., R. 61 W., Seward Meridian;

•Thence southerly, between sections 11 and 12, 13 and 14, 23 and 24, approximately 2 1/2 miles to the 1/4 section corner of sections 23 and 24, T. 12 N., R. 61 W., Seward Meridian;

•Thence westerly, on the east and west centerline of section 23, approximately 1 mile to the 1/4 section corner of sections 22 and 23, T. 12 N., R. 61 W., Seward Meridian;

Thence southerly, between sections 22 and 23, 26 and 27, approximately 1 1/2 miles to the corner of sections 26, 27, 34 and 35, T. 12 N., R. 61 W., Seward Meridian;

Thence westerly, between sections 27 and 34, approximately 1/2 mile to the 1/4 section corner of sections 27 and 34, T. 12 N., R. 61 W., Seward Meridian;

Thence southerly, on the north and south centerlines of sections 34 and 3, approximately 2 miles to the 1/4 section corner of sections 3 and 10, T. 11 N., R. 61 W., Seward Meridian;

Thence westerly, between sections 3 and 10, 4 and 9, approximately 1 1/2 miles to the corner of sections 4, 5, 8 and 9, T. 11 N., R. 61 W., Seward Meridian;

Thence southerly, between sections 8 and 9, 16 and 17, 20 and 21, approximately 3 miles to the corner of sections 20, 21, 28 and 29, T. 11 N., R. 61 W., Seward Meridian;

Thence westerly, between sections 20 and 29, approximately 1 mile to the corner of sections 19, 20, 29 and 30, T. 11 N., R. 61 W., Seward Meridian;

Thence southerly, between sections 29 and 30, 31 and 32, approximately 2 miles to the corner of sections 5, 6, 31 and 32, Tps. 10 and 11 N., R. 61 W., Seward Meridian;

Thence easterly, between Tps. 10 and 11 N., approximately 1 mile to the corner of sections 4, 5, 32 and 33, Tps. 10 and 11 N., R. 61 W., Seward Meridian;

Thence southerly, between sections 4 and 5, 8 and 9, approximately 2 miles to the corner of sections 8, 9, 16 and 17, T. 10 N., R. 61 W., Seward Meridian;

Thence easterly, between sections 9 and 16, approximately 1 mile to the corner of sections 9, 10, 15 and 16, T. 10 N., R. 61 W., Seward Meridian;

Thence southerly, between sections 15 and 16, 21 and 22, 27 and 28, approximately 3 miles to the corner of sections 27, 28, 33 and 34, T. 10 N., R. 61 W., Seward Meridian;

Thence easterly, between sections 27 and 34, approximately 1 mile to the corner of sections 26, 27, 34 and 35, T. 10 N., R. 61 W., Seward Meridian;

Thence southerly, between sections 34 and 35, 2 and 3, 10 and 11, 14 and 15, 22 and 23, 26 and 27, 34 and 35, approximately 7 miles to the standard corner of sections 34 and 35, T. 9 N., R. 61 W., Seward Meridian;

Thence easterly, on the Second Standard Parallel North, approximately 2 miles to the closing corner of sections 4 and 5, T. 8 N., R. 61 W., Seward Meridian;

Thence southerly, between sections 4 and 5, 8 and 9, approximately 2 miles to the corner of sections 8, 9, 16 and 17, T. 8 N., R. 61 W., Seward Meridian;

Thence easterly, between sections 9 and 16, approximately 1 mile to the corner of sections 9, 10, 15 and 16, T. 8 N., R. 61 W., Seward Meridian;

Thence southerly, between sections 15 and 16, 21 and 22, 27 and 28, 33 and 34, 3 and 4, 9 and 10, 15 and 16, 21 and 22, 27 and 28, 33 and 34, approximately 10 miles to the corner of sections 3, 4, 33 and 34, Tps. 6 and 7 N., R. 61 W., Seward Meridian;

Thence easterly, between Tps. 6 and 7 N., approximately 2 miles to the corner of sections 1, 2, 35 and 36, Tps. 6 and 7 N., R. 61 W., Seward Meridian;

Thence northerly, between sections 35 and 36, 25 and 26, 23 and 24, approximately 3 miles to the corner of sections 13, 14, 23 and 24, T. 7 N., R. 61 W., Seward Meridian;

Thence easterly, between sections 13 and 24, approximately 1 mile to the corner of sections 13, 18, 19 and 24, T. 7 N., R. 60 and 61 W., Seward Meridian;

Thence northerly, between Rs. 60 and 61 W., approximately 1 mile to the corner of sections 7, 12, 13 and 18, T. 7 N., R. 60 and 61 W., Seward Meridian;

Thence easterly, between sections 7 and 18, approximately 1/2 mile to the 1/4 section corner of sections 7 and 18, T. 7 N., R. 60 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 7, approximately 1/2 mile to the center 1/4 section corner of section 7, T. 7 N., R. 60 W., Seward Meridian;

Thence easterly, on the east and west centerline of section 7, approximately 1/2 mile to the 1/4 section corner of sections 7 and 8, T. 7 N., R. 60 W., Seward Meridian;

Thence northerly, between sections 7 and 8, 5 and 6, approximately 1 1/2 miles to the corner of sections 5, 6, 31 and 32, Tps. 7 and 8 N., R. 60 W., Seward Meridian;

Thence easterly, between Tps. 7 and 8 N., approximately 1 mile to the corner of sections 4, 5, 32 and 33, Tps. 7 and 8 N., R. 60 W., Seward Meridian;

Thence southerly, between sections 4 and 5, 8 and 9, 16 and 17, 20 and 21, 28 and 29, 32 and 33, 4 and 5, 8 and 9, approximately 8 miles to the corner of sections 8, 9, 16 and 17, T. 6 N., R. 60 W., Seward Meridian;

Thence easterly, between sections 9 and 16, 10 and 15, 11 and 14, 12 and 13, approximately 4 miles to the corner of sections 7, 12, 13 and 18, T. 6 N., Rs. 59 and 60 W., Seward Meridian;

Thence southerly, between Rs. 59 and 60 W., approximately 10 miles to the standard corner of T. 5 N., Rs. 59 and 60 W., Seward Meridian;

Thence westerly, along the First Standard Parallel North, approximately 2 1/4 miles to the closing corner of T. 4 N., Rs. 60 and 61 W., Seward Meridian;

Thence southerly, between Rs. 60 and 61 W., approximately 24 miles to the standard corner of T. 1 N., Rs. 60 and 61 W., Seward Meridian;

Thence westerly, along the Seward Base Line, approximately 2 1/4 miles to the closing corner of T. 1 S., Rs. 61 and 62 W., Seward Meridian;

Thence southerly, between Rs. 61 and 62 W., approximately 3 miles to the corner of sections 13, 18, 19 and 24, T. 1 S., Rs. 61 and 62 W., Seward Meridian;

Thence westerly, between sections 13 and 24, 14 and 23, 15 and 22, 16 and 21, 17 and 20, 18 and 19, approximately 6 miles to the corner of sections 13, 18, 19 and 24, T. 1 S., Rs. 62 and 63 W., Seward Meridian;

Thence southerly, between Rs. 62 and 63 W., approximately 3 miles to the corner of Tps. 1 and 2 S., Rs. 62 and 63 W., Seward Meridian;

Thence westerly, between Tps. 1 and 2 S., approximately 15 miles to the corner of sections 3, 4, 33 and 34, Tps. 1 and 2 S., R. 65 W., Seward Meridian;

Thence southerly, between sections 3 and 4, 9 and 10, 15 and 16, 21 and 22, approximately 4 miles to the corner of sections 21, 22, 27 and 28, T. 2 S., R. 65 W., Seward Meridian;

Thence westerly, between sections 21 and 28, approximately 1 mile to the corner of sections 20, 21, 28 and 29, T. 2 S., R. 65 W., Seward Meridian;

Thence southerly, between sections 28 and 29, approximately 1 mile to the corner of sections 28, 29, 32 and 33, T. 2 S., R. 65 W., Seward Meridian;

Thence westerly, between sections 29 and 32, approximately 1 mile to the corner of sections 29, 30, 31 and 32, T. 2 S., R. 65 W., Seward Meridian;

Thence southerly, between sections 31 and 32, approximately 1 mile to the corner of sections 5, 6, 31 and 32, Tps. 2 and 3 S., R. 65 W., Seward Meridian;

Thence easterly, between Tps. 2 and 3 S., approximately 2 miles to the corner of sections 1, 2, 35 and 36, Tps. 2 and 3 S., R. 66 W., Seward Meridian;

Thence southerly, between sections 1 and 2, approximately 1 mile to the corner of sections 1, 2, 11 and 12, T. 3 S., R. 66 W., Seward Meridian;

Thence westerly, between sections 2 and 11, approximately 1 mile to the corner of sections 2, 3, 10 and 11, T. 3 S., R. 66 W., Seward Meridian;

Thence southerly, between sections 10 and 11, approximately 1/2 mile to the 1/4 section corner of sections 10 and 11, T. 3 S., R. 66 W., Seward Meridian;

Thence westerly, on the east and west centerline of section 10, approximately 1 mile to the 1/4 section corner of sections 9 and 10, T. 3 S., R. 66 W., Seward Meridian;

Thence southerly, between sections 9 and 10, approximately 1/2 mile to the corner of sections 9, 10, 15 and 16, T. 3 S., R. 66 W., Seward Meridian;

Thence westerly, between sections 9 and 16, 8 and 17, 7 and 18, 12 and 13, 11 and 14, approximately 5 miles to the corner of sections 10, 11, 14 and 15, T. 3 S., R. 67 W., Seward Meridian;

Thence northerly, between sections 14 and 15, approximately 1 mile to the corner of sections 10, 11, 14 and 15, T. 4 S., R. 69 W., Seward Meridian;

Thence westerly, between sections 10 and 15, approximately 1 mile to the corner of sections 9, 10, 15 and 16, T. 4 S., R. 69 W., Seward Meridian;

Thence northerly, between sections 9 and 10, approximately 1 mile to the corner of sections 3, 4, 9 and 10, T. 4 S., R. 69 W., Seward Meridian;

Thence westerly, between sections 4 and 9, 5 and 8, 6 and 7, approximately 3 miles to the corner of sections 1, 6, 7 and 12, T. 4 S., R. 69 and 70 W., Seward Meridian;

Thence southerly, between Rs. 69 and 70 W., approximately 1 mile to the corner of sections 7, 12, 13 and 18, T. 4 S., R. 69 and 70 W., Seward Meridian;

Thence westerly, between sections 12 and 13, 11 and 14, 10 and 15, 9 and 16, 8 and 17, approximately 5 miles to the corner of sections 7, 8, 17 and 18, T. 4 S., R. 70 W., Seward Meridian;

Thence northerly, between sections 7 and 8, approximately 1 mile to the corner of sections 5, 6, 7 and 8, T. 4 S., R. 70 W., Seward Meridian;

Thence westerly, between sections 6 and 7, 1 and 12, 2 and 11, 3 and 10, 4 and 9, 5 and 8, 6 and 7, 1 and 12 and 2 and 11, 3 and 10, 4 and 9, 5 and 8, 6 and 7, approximately 13 miles to the corner of sections 1, 6, 7 and 12, T. 4 S., R. 72 and 73 W., Seward Meridian;

Thence southerly, between Rs. 72 and 73 W., approximately 2 miles to the corner of sections 13, 18, 19 and 24, T. 4 S., R. 72 and 73 W., Seward Meridian;

Thence westerly, between sections 13 and 24, 14 and 23, 15 and 22, 16 and 21, 17 and 20, 18 and 19, 13 and 24, 14 and 23, 15 and 22, 16 and 21, approximately 9 1/2 miles to the northeast corner of sections 16 and 21, T. 4 S., R. 74 W., Seward Meridian, the place of beginning.

Also included within the Yukon Delta National Wildlife Refuge are those islands in sections 3, 9 and 10, T. 24 N., R. 89 W., Seward Meridian.

UNITS OF THE WILDERNESS PRESERVATION SYSTEM
WITHIN THE YUKON DELTA NATIONAL WILDLIFE REFUGE:

Section 702 (2):

"Undeveloped wilderness of approximately one million three hundred thousand acres as generally depicted on a map entitled 'Yukon Delta National Wildlife Refuge' dated April 1980."

Thence southerly, between sections 14 and 15, 22 and 23, 26 and 27, approximately 3 miles to the corner of sections 26, 27, 34 and 35, T. 3 S., R. 67 W., Seward Meridian;

Thence westerly, between sections 27 and 34, 28 and 33, approximately 2 miles to the corner of sections 26, 29, 32 and 33, T. 3 S., R. 67 W., Seward Meridian;

Thence southerly, between sections 32 and 33, 4 and 5, approximately 2 miles to the corner of sections 4, 5, 8 and 9, T. 4 S., R. 67 W., Seward Meridian;

Thence westerly, between sections 5 and 8, approximately 1 mile to the corner of sections 5, 6, 7 and 8, T. 4 S., R. 67 W., Seward Meridian;

Thence southerly, between sections 7 and 8, 17 and 18, approximately 2 miles to the corner of sections 17, 18, 19 and 20, T. 4 S., R. 67 W., Seward Meridian;

Thence westerly, between sections 18 and 19, approximately 1 mile to the corner of sections 13, 18, 19 and 24, T. 4 S., R. 67 and 68 W., Seward Meridian;

Thence southerly, between Rs. 67 and 68 W., approximately 3 miles to the standard corner of T. 4 S., R. 67 and 68 W., Seward Meridian;

Thence westerly, along the First Standard Parallel South, approximately 3 miles to the standard corner of sections 33 and 34, T. 4 S., R. 68 W., Seward Meridian;

Thence northerly, between sections 33 and 34, approximately 1 mile to the corner of sections 27, 28, 33 and 34, T. 4 S., R. 68 W., Seward Meridian;

Thence westerly, between sections 28 and 33, approximately 1 mile to the corner of sections 28, 29, 32 and 33, T. 4 S., R. 68 W., Seward Meridian;

Thence northerly, between sections 28 and 29, approximately 1 mile to the corner of sections 20, 21, 28 and 29, T. 4 S., R. 68 W., Seward Meridian;

Thence westerly, between sections 20 and 29, approximately 1 mile to the corner of sections 19, 20, 29 and 30, T. 4 S., R. 68 W., Seward Meridian;

Thence northerly, between sections 19 and 20, approximately 1 mile to the corner of sections 17, 18, 19 and 20, T. 4 S., R. 68 W., Seward Meridian;

Thence westerly, between sections 18 and 19, 13 and 24, 14 and 23, approximately 3 miles to the corner of sections 14, 15, 22 and 23, T. 4 S., R. 69 W., Seward Meridian;

Thence northerly, between sections 9 and 10, approximately 1 mile to the corner of sections 3, 4, 9 and 10, T. 28 S., R. 14 W., Kateel River Meridian;

Thence easterly, between sections 3 and 10, approximately 1 mile to the corner of sections 2, 3, 10 and 11, T. 28 S., R. 14 W., Kateel River Meridian;

Thence southerly, between sections 10 and 11, 14 and 15, approximately 2 miles to the corner of sections 14, 15, 22 and 23, T. 28 S., R. 14 W., Kateel River Meridian;

Thence easterly, between sections 14 and 23, 13 and 24, 18 and 19, 17 and 20, approximately 3/4 miles to the 1/4 section corner of sections 17 and 20, T. 28 S., R. 13 W., Kateel River Meridian;

Thence southerly, along the north and south centerlines of sections 20, 29, 32 and 5, approximately 4 miles to the 1/4 section corner of section 5 T. 29 S., R. 13 W., Kateel River Meridian;

Thence westerly, between the Seward and Kateel River Meridians, approximately 700 feet to the corner of sections 34 and 35, T. 34 N., R. 63 W., Seward Meridian;

Thence southerly, between sections 34 and 35, 2 and 3, 10 and 11, 14 and 15, approximately 4 miles to the corner of sections 14, 15, 22 and 23, T. 33 N., R. 63 W., Seward Meridian;

Thence westerly, between sections 15 and 22, approximately 1 mile to the corner of sections 15, 16, 21 and 22, T. 33 N., R. 63 W., Seward Meridian;

Thence southerly, between sections 21 and 22, approximately 1 mile to the corner of sections 21, 22, 27 and 28, T. 33 N., R. 63 W., Seward Meridian;

Thence westerly, between sections 21 and 28, approximately 1 mile to the corner of sections 20, 21, 28 and 29, T. 33 N., R. 63 W., Seward Meridian;

Thence southerly, between sections 28 and 29, 32 and 33, approximately 2 miles to the standard corner of sections 32 and 33, T. 33 N., R. 63 W., Seward Meridian;

Thence westerly, on the Eighth Standard Parallel North, approximately 1/4 miles to a point on the crest of a ridge between sections 2 and 34, Tps. 32 and 33 N., Rs. 64 and 65 W., Seward Meridian, approximate elevation 1,850 feet;

Thence on an approximate forward bearing of S. 25° W., approximately 3,500 feet to a summit of a hill near the center of section 2, T. 32 N., R. 65 W., Seward Meridian, approximate elevation 1,695 feet;

The Andreafsky Wilderness consists of the public lands, as defined by the ANILCA, within the following boundary:

Beginning at the corner of sections 25, 30, 31 and 36, T. 25 S., R. 15, 17 and 18 W., Kateel River Meridian;

Thence easterly, between sections 30 and 31, 29 and 32, approximately 2 miles to the corner of sections 28, 29, 32 and 33, T. 25 S., R. 17 W., Kateel River Meridian;

Thence southerly, between sections 32 and 33, approximately 1 mile to the corner of sections 4, 5, 32 and 33, Tps. 25 and 26 S., R. 17 W., Kateel River Meridian;

Thence easterly, between Tps. 25 and 26 S., approximately 11 miles to the corner of sections 5, 6, 31 and 32, Tps. 25 and 26 S., R. 15 W., Kateel River Meridian;

Thence southerly, between sections 5 and 6, 7 and 8, 17 and 18, 19 and 20, 29 and 30, 31 and 32, 5 and 6, approximately 7 miles to the corner of sections 5, 6, 7 and 8, T. 27 S., R. 15 W., Kateel River Meridian;

Thence easterly, between sections 5 and 8, approximately 1 mile to the corner of sections 4, 5, 8 and 9, T. 27 S., R. 15 W., Kateel River Meridian;

Thence southerly, between sections 8 and 9, approximately 1 mile to the corner of sections 8, 9, 16 and 17, T. 27 S., R. 15 W., Kateel River Meridian;

Thence easterly, between sections 9 and 16, 10 and 15, approximately 2 miles to the corner of sections 10, 11, 14 and 15, T. 27 S., R. 15 W., Kateel River Meridian;

Thence southerly, between sections 14 and 15, 22 and 23, 26 and 27, 34 and 35, 2 and 3, 10 and 11, 14 and 15, 22 and 23, approximately 8 miles to the corner of sections 22, 23, 26 and 27, T. 28 S., R. 15 W., Kateel River Meridian;

Thence easterly, between sections 23 and 26, 24 and 25, 19 and 30, 20 and 29, approximately 4 miles to the corner of sections 20, 21, 28 and 29, T. 28 S., R. 14 W., Kateel River Meridian;

Thence northerly, between sections 20 and 21, 16 and 17, approximately 2 miles to the corner of sections 8, 9, 16 and 17, T. 28 S., R. 14 W., Kateel River Meridian;

Thence easterly, between sections 9 and 16, approximately 1 mile to the corner of sections 9, 10, 15 and 16, T. 28 S., R. 14 W., Kateel River Meridian;

Thence westerly, between sections 16 and 21, approximately $\frac{1}{2}$ mile to the corner of sections 16, 17, 20 and 21, T. 26 N., R. 70 W., Seward Meridian;

Thence southerly, between sections 20 and 21, approximately 1 mile to the corner of sections 20, 21, 28 and 29, T. 26 N., R. 70 W., Seward Meridian;

Thence westerly, between sections 20 and 29, approximately 1 mile to the corner of sections 19, 20, 29 and 30, T. 26 N., R. 70 W., Seward Meridian;

Thence southerly, between sections 29 and 30, approximately 1 mile to the corner of sections 29, 30, 31 and 32, T. 26 N., R. 70 W., Seward Meridian;

Thence westerly, between sections 30 and 31, approximately 1 mile to the corner of sections 25, 30, 31 and 36, T. 26 N., R. 70 and 71 W., Seward Meridian;

Thence southerly, between Rs. 70 and 71 W., approximately 1 mile to the corner of Tps. 23 and 26 N., Rs. 70 and 71 W., Seward Meridian;

Thence westerly, between Tps. 23 and 26 N., approximately $\frac{1}{2}$ mile to the $\frac{1}{2}$ section corner of sections 1 and 36, Tps. 23 and 26 N., R. 71 W., Seward Meridian;

Thence southerly, on the north and south centerline of sections 1, 12, 13 and 24, approximately $\frac{1}{2}$ mile to the $\frac{1}{2}$ section corner of sections 24 and 25, T. 25 N., R. 71 W., Seward Meridian;

Thence westerly, between sections 24 and 25, 23 and 26, approximately 1 mile to a point on the south bank of a stream near the $\frac{1}{2}$ section corner of sections 23 and 26, T. 25 N., R. 71 W., Seward Meridian;

Thence following along the south bank of said stream, approximately $\frac{3}{4}$ miles to the standard $\frac{1}{2}$ section corner of sections 4 and 33 Tps. 24 and 25 N., R. 71 W., Seward Meridian;

Thence westerly, on the Sixth Standard Parallel North, approximately $\frac{1}{2}$ miles to the standard corner of T. 23 N., Rs. 72 and 73 W., Seward Meridian;

Thence northerly, between Rs. 72 and 73 W., approximately 12 miles to the corner of Tps. 26 and 27 N., Rs. 72 and 73 W., Seward Meridian;

Thence westerly, between Tps. 26 and 27 N., approximately 6 miles to the corner of Tps. 26 and 27 N., Rs. 73 and 74 W., Seward Meridian;

Thence southerly, between Rs. 73 and 74 W., approximately 6 miles to the corner of Tps. 25 and 26 N., Rs. 73 and 74 W., Seward Meridian;

Thence on an approximate forward bearing of N. 80° W., approximately 6,000 feet to the confluence of an unnamed stream from the west and the Atchuelinguk River, near the center of section 3, T. 32 N., R. 65 W., Seward Meridian;

Thence on an approximate forward bearing of S. 53° W., approximately 7,600 feet to the summit of a hill in the northwesterly portion of section 9, T. 32 N., R. 65 W., Seward Meridian, approximate elevation 1,500 feet;

Thence on an approximate forward bearing of N. 16° W., approximately 3,400 feet to the summit of a hill in the southwesterly portion of section 4, T. 32 N., R. 65 W., Seward Meridian, approximate elevation 1,432 feet;

Thence southerly, along the crest of the divide between the East Fork Andreasky River and the Archangeluk River, approximately 43 miles to a point between sections 11 and 14, T. 27 N., R. 70 W., Seward Meridian;

Thence easterly, between sections 11 and 14, approximately $\frac{1}{2}$ mile to the corner of sections 11, 12, 13 and 14, T. 27 N., R. 70 W., Seward Meridian;

Thence southerly, between sections 13 and 14, 23 and 24, 25 and 26, 35 and 36, approximately 3 3/10 miles to the meander corner of sections 35 and 36, Tps. 27 N., R. 70 W., Seward Meridian with the line of mean high water of an unnamed lake;

Thence southwesterly, along the west bank of an unnamed lake, approximately $\frac{1}{2}$ mile to $\frac{1}{2}$ section corner of sections 10 and 11, T. 26 N., R. 70 W., Seward Meridian, at the line of mean high water;

Thence westerly, on the east and west centerline of section 10, approximately $\frac{1}{2}$ mile to the center $\frac{1}{2}$ section corner of section 10, T. 26 N., R. 70 W., Seward Meridian;

Thence southerly, on the north and south centerline of section 10, approximately $\frac{1}{2}$ mile to the $\frac{1}{2}$ section corner of sections 10 and 15, T. 26 N., R. 70 W., Seward Meridian;

Thence westerly, between sections 10 and 15, approximately $\frac{1}{2}$ mile to the corner of sections 9, 10, 15 and 16, T. 26 N., R. 70 W., Seward Meridian;

Thence southerly, between sections 15 and 16, approximately $\frac{1}{2}$ mile to the $\frac{1}{2}$ section corner of sections 15 and 16, T. 26 N., R. 70 W., Seward Meridian;

Thence westerly, on the east and west centerline of section 16, approximately $\frac{1}{2}$ mile to the center $\frac{1}{2}$ section corner of section 16, T. 26 N., R. 70 W., Seward Meridian;

Thence southerly, on the north and south centerline of section 16, approximately $\frac{1}{2}$ mile to the $\frac{1}{2}$ section corner of sections 16 and 21, T. 26 N., R. 70 W., Seward Meridian;

Thence westerly, between Tps. 25 and 26 N., approximately 24½ miles to the ¼ section corner of sections 1 and 36, Tps. 25 and 26 N., R. 76 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 36, approximately ½ mile to the center ¼ section corner of section 36, T. 26 N., R. 76 W., Seward Meridian;

Thence easterly, on the east and west centerline of section 36, approximately ½ mile to the ¼ section corner of sections 31 and 36, T. 26 N., R. 77 W., Seward Meridian;

Thence northerly, between R. 77 and 78 W., approximately ½ mile to the corner of sections 25, 30, 31 and 36, T. 26 N., R. 77 and 78 W., Seward Meridian;

Thence easterly, between sections 30 and 31, approximately ½ mile to the ¼ section corner of sections 30 and 31, T. 26 N., R. 77 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 30, approximately ½ mile to the center ¼ section corner of section 30, T. 26 N., R. 77 W., Seward Meridian;

Thence easterly, on the east and west centerline of section 30, approximately ½ mile to the ¼ section corner of sections 29 and 30, T. 26 N., R. 77 W., Seward Meridian;

Thence northerly, between sections 29 and 30, 19 and 20, approximately 1 mile to the ¼ section corner of sections 19 and 20, T. 26 N., R. 77 W., Seward Meridian;

Thence easterly, on the east and west centerline of section 20, approximately ½ mile to the center ¼ section corner of section 20, T. 26 N., R. 77 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 20, approximately ½ mile to the ¼ section corner of sections 17 and 20, T. 26 N., R. 77 W., Seward Meridian;

Thence easterly, between sections 17 and 20, approximately ½ mile to the corner of sections 16, 17, 20 and 21, T. 26 N., R. 77 W., Seward Meridian;

Thence northerly, between sections 16 and 17, approximately ¾ mile to a special meander corner of sections 16 and 17, T. 26 N., R. 77 W., Seward Meridian, with the line of mean high water of an unnamed lake;

Thence northeasterly, along the easterly shore of an unnamed lake, approximately 2 miles to the special meander corner on the east and west centerline of section 3, T. 26 N., R. 77 W., Seward Meridian;

Thence easterly, on the east and west centerline of section 3, approximately ¾ mile to the ¼ section corner of sections 2 and 3, T. 26 N., R. 77 W., Seward Meridian;

Thence northerly, between sections 2 and 3, approximately ½ mile to the corner of sections 2, 3, 34 and 35, Tps. 26 and 27 N., R. 77 W., Seward Meridian;

Thence easterly, between Tps. 26 and 27 N., approximately ½ mile to the ¼ section corner of sections 2 and 35, Tps. 26 and 27 N., R. 77 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 35, approximately ½ mile to the center ¼ section corner of section 35, T. 27 N., R. 77 W., Seward Meridian;

Thence easterly, on the east and west centerlines of sections 35 and 36, approximately 1 mile to the center ¼ section corner of section 36, T. 27 N., R. 77 W., Seward Meridian;

Thence northerly on the north and south centerline of section 36, approximately ½ mile to the ¼ section corner of sections 25 and 36, T. 27 N., R. 77 W., Seward Meridian;

Thence easterly, between sections 25 and 36, 30 and 31, approximately 1 mile to the ¼ section corner of sections 30 and 31, T. 27 N., R. 76 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 30, approximately ½ mile to the ¼ section corner of section 30, T. 27 N., R. 76 W., Seward Meridian;

Thence easterly, on the east and west centerline of section 30, approximately ½ mile to the ¼ section corner of sections 29 and 30, T. 27 N., R. 76 W., Seward Meridian;

Thence northerly, between sections 29 and 30, approximately ½ mile to the corner of section 19 and 20, 29 and 30, T. 27 N., R. 76 W., Seward Meridian;

Thence easterly, between sections 20 and 29, approximately ½ mile to the ¼ section corner of sections 20 and 29, T. 27 N., R. 76 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 20, approximately ½ mile to the center ¼ section corner of section 20, T. 27 N., R. 76 W., Seward Meridian;

Thence easterly, on the east and west centerline of section 20, approximately ½ mile to the ¼ section corner of sections 20 and 21, T. 27 N., R. 76 W., Seward Meridian;

Thence northerly, between Rs. 75 and 76 W., approximately $\frac{1}{2}$ mile to the corner of sections 25, 30, 31 and 36, T. 28 N., R. 75 and 76 W., Seward Meridian;

Thence easterly, between sections 30 and 31, approximately $\frac{1}{2}$ mile to the $\frac{1}{2}$ section corner of sections 30 and 31, T. 28 N., R. 75 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 30, approximately $\frac{1}{2}$ mile to the center $\frac{1}{2}$ section corner of section 30, T. 28 N., R. 75 W., Seward Meridian;

Thence easterly, on the east and west centerline of section 30, approximately $\frac{1}{2}$ mile to the $\frac{1}{2}$ section corner of sections 29 and 30, T. 28 N., R. 75 W., Seward Meridian;

Thence northerly, between sections 29 and 30, approximately $\frac{1}{2}$ mile to the corner of sections 19, 20, 29 and 30, T. 28 N., R. 75 W., Seward Meridian;

Thence easterly, between section 20 and 29, approximately $\frac{1}{2}$ mile to the $\frac{1}{2}$ section corner of sections 20 and 29, T. 28 N., R. 75 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 20, approximately $\frac{1}{2}$ mile to the center $\frac{1}{2}$ section corner of section 20, T. 28 N., R. 75 W., Seward Meridian;

Thence easterly, on the east and west centerline of section 20, approximately $\frac{1}{2}$ mile to the $\frac{1}{2}$ section corner of sections 20 and 21, T. 28 N., R. 75 W., Seward Meridian;

Thence northerly, between sections 20 and 21, approximately $\frac{1}{2}$ mile to the corner of sections 16, 17, 20 and 21, T. 28 N., R. 75 W., Seward Meridian;

*Thence easterly, between sections 16 and 21, approximately $\frac{1}{2}$ mile to the $\frac{1}{2}$ section corner of sections 16 and 21, T. 28 N., R. 75 W., Seward Meridian;

*Thence northerly, on the north and south centerline of section 16, approximately $\frac{1}{2}$ mile to the center $\frac{1}{2}$ section corner of section 16, T. 28 N., R. 75 W., Seward Meridian;

*Thence easterly, on the east and west centerline of section 16, approximately $\frac{1}{2}$ mile to the $\frac{1}{2}$ section corner of sections 15 and 16, T. 28 N., R. 75 W., Seward Meridian;

*Thence northerly, between sections 15 and 16, approximately $\frac{1}{2}$ mile to the corner of sections 9, 10, 15 and 16, T. 28 N., R. 75 W., Seward Meridian;

*Thence easterly, between sections 10 and 15, approximately $\frac{1}{2}$ mile to the $\frac{1}{2}$ section corner of sections 10 and 15, T. 28 N., R. 75 W., Seward Meridian;

Thence northerly, between sections 20 and 21, approximately $\frac{1}{2}$ mile to the corner of sections 16, 17, 20 and 21, T. 27 N., R. 76 W., Seward Meridian;

Thence easterly, between sections 16 and 21, approximately 1 mile to the corner of sections 15, 16, 21 and 22, T. 27 N., R. 76 W., Seward Meridian;

Thence northerly, between sections 15 and 16, approximately 1 mile to the corner of sections 9, 10, 15 and 16, T. 27 N., R. 76 W., Seward Meridian;

Thence easterly, between sections 10 and 15, approximately $\frac{1}{2}$ mile to the $\frac{1}{2}$ section corner of section 10, T. 27 N., R. 76 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 10, approximately $\frac{1}{2}$ mile to the center $\frac{1}{2}$ section corner of section 10, T. 27 N., R. 76 W., Seward Meridian;

Thence easterly, on the east and west centerline of section 10, approximately $\frac{1}{2}$ mile to the $\frac{1}{2}$ section corner of sections 10 and 11, T. 27 N., R. 76 W., Seward Meridian;

Thence northerly, between sections 10 and 11, approximately $\frac{1}{2}$ mile to the corner of sections 2, 3, 10 and 11, T. 27 N., R. 76 W., Seward Meridian;

Thence easterly, between sections 2 and 11, approximately $\frac{1}{2}$ mile to the $\frac{1}{2}$ section corner of sections 2 and 11, T. 27 N., R. 76 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 2, approximately $\frac{1}{2}$ mile to the center $\frac{1}{2}$ section corner of section 2, T. 27 N., R. 76 W., Seward Meridian;

Thence easterly, on the east and west centerline of section 2, approximately $\frac{1}{2}$ mile to the $\frac{1}{2}$ section corner of sections 1 and 2, T. 27 N., R. 76 W., Seward Meridian;

Thence northerly, between sections 1 and 2, approximately $\frac{1}{2}$ mile to the corner of sections 1, 2, 35 and 36, Tps. 27 and 28 N., R. 76 W., Seward Meridian;

Thence easterly, between Tps. 27 and 28 N., approximately $\frac{1}{2}$ mile to the $\frac{1}{2}$ section corner of sections 1 and 36, Tps. 27 and 28 N., R. 76 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 36, approximately $\frac{1}{2}$ mile to the center $\frac{1}{2}$ section corner of section 36, T. 28 N., R. 76 W., Seward Meridian;

Thence easterly, on the east and west centerline of section 36, approximately $\frac{1}{2}$ mile to the $\frac{1}{2}$ section corner of sections 31 and 36, T. 28 N., R. 75 and 76 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 10, approximately $\frac{1}{2}$ mile to the center $\frac{1}{4}$ section corner of section 10, T. 28 N., R. 75 W., Seward Meridian;

Thence easterly, on the east and west centerline of section 10, approximately $\frac{1}{2}$ mile to the $\frac{1}{4}$ section corner of sections 10 and 11, T. 28 N., R. 75 W., Seward Meridian;

Thence northerly, between sections 10 and 11, approximately $\frac{1}{2}$ mile to the corner of sections 2, 3, 10 and 11, T. 28 N., R. 75 W., Seward Meridian;

Thence easterly, between sections 2 and 11, approximately $\frac{1}{2}$ mile to the $\frac{1}{4}$ section corner of sections 2 and 11, T. 28 N., R. 75 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 2, approximately 1 mile to the $\frac{1}{4}$ section corner of section 2, T. 28 N., R. 75 W., Seward Meridian;

Thence easterly, on the Seventh Standard Parallel North, approximately $\frac{1}{2}$ mile to the corner of sections 34 and 35, T. 29 N., R. 74 W., Seward Meridian;

Thence northerly, between sections 34 and 35, approximately 1 mile to the corner of sections 26, 27, 34 and 35, T. 29 N., R. 74 W., Seward Meridian;

Thence northerly, between sections 25 and 26, approximately $\frac{1}{2}$ mile to the $\frac{1}{4}$ section corner of sections 25 and 26, T. 29 N., R. 74 W., Seward Meridian;

*Thence easterly, on the east and west centerline of section 25, approximately $\frac{1}{2}$ mile to the center $\frac{1}{4}$ section corner of section 25, T. 29 N., R. 74 W., Seward Meridian;

*Thence northerly, on the north and south centerline of section 25, approximately $\frac{1}{2}$ mile to the $\frac{1}{4}$ section corner of sections 24 and 25, T. 29 N., R. 74 W., Seward Meridian;

*Thence easterly, between sections 24 and 25, approximately $1\frac{1}{4}$ miles to the corner of sections 19, 24, 25 and 30, T. 29 N., R. 73 and 74 W., Seward Meridian;

*Thence northerly, between sections 19 and 24, approximately 1 mile to the corner of sections 13, 18, 19 and 24, T. 29 N., R. 73 and 74 W., Seward Meridian;

*Thence easterly, between sections 18 and 19, approximately $\frac{1}{2}$ mile to the $\frac{1}{4}$ corner of sections 18 and 19, T. 29 N., R. 73 W., Seward Meridian;

*Thence northerly, on the north and south centerline of section 18, approximately $\frac{1}{2}$ mile to the center $\frac{1}{4}$ section corner of section 18, T. 29 N., R. 73 W., Seward Meridian;

*Thence easterly, on the east and west centerline of section 18, approximately $\frac{1}{2}$ mile to the $\frac{1}{4}$ section corner of sections 17 and 18, T. 29 N., R. 73 W., Seward Meridian;

*Thence northerly, between sections 17 and 18, 7 and 8, approximately 1 mile to the $\frac{1}{4}$ section corner of sections 7 and 8, T. 29 N., R. 73 W., Seward Meridian;

Thence easterly, on the east and west centerline of section 8, approximately $\frac{1}{2}$ mile to the center $\frac{1}{4}$ section corner of section 8, T. 29 N., R. 73 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 8, approximately $\frac{1}{2}$ mile to the $\frac{1}{4}$ section corner of sections 5 and 8, T. 29 N., R. 73 W., Seward Meridian;

Thence easterly, between sections 5 and 8, approximately $\frac{1}{2}$ mile to the corner of sections 4, 5, 8 and 9, T. 29 N., R. 73 W., Seward Meridian;

Thence northerly, between sections 4 and 5, approximately 1 mile to the corner of sections 4, 5, 32 and 33, Tps. 29 and 30 N., R. 73 W., Seward Meridian;

Thence easterly, between Tps. 29 and 30 N., approximately $\frac{1}{2}$ mile to the $\frac{1}{4}$ section corner of sections 4 and 33, Tps. 29 and 30 N., R. 73 W., Seward Meridian;

Thence northerly, on the north and south $\frac{1}{2}$ centerline of section 33, approximately 1 mile to the $\frac{1}{4}$ section corner of sections 28 and 33, T. 30 N., R. 73 W., Seward Meridian;

Thence easterly, between sections 28 and 33, approximately $3\frac{1}{4}$ miles to the corner of sections 27, 28, 33 and 34, T. 30 N., R. 73 W., Seward Meridian;

Thence northerly, between sections 27 and 28, approximately 1 mile to the corner of sections 21, 22, 27 and 28, T. 30 N., R. 73 W., Seward Meridian;

Thence easterly, between sections 22 and 27, approximately $\frac{1}{2}$ mile to the $\frac{1}{4}$ section corner of sections 22 and 27, T. 30 N., R. 73 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 22, approximately 1 mile to the $\frac{1}{4}$ section corner of sections 15 and 22, T. 30 N., R. 73 W., Seward Meridian;

Thence easterly, between sections 15 and 22, approximately $\frac{1}{2}$ mile to the corner of sections 14, 15, 22 and 23, T. 30 N., R. 73 W., Seward Meridian;

Thence northerly, between sections 14 and 15, approximately 1 mile to the corner of sections 10, 11, 14 and 15, T. 30 N., R. 73 W., Seward Meridian;

Thence easterly, between sections 11 and 14, approximately $\frac{1}{2}$ mile to the $\frac{1}{4}$ section corner of sections 11 and 14, T. 30 N., R. 73 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 11, approximately 1 mile to the $\frac{1}{4}$ section corner of sections 2 and 11, T. 30 N., R. 73 W., Seward Meridian;

Thence easterly, between sections 2 and 11, approximately $\frac{1}{2}$ mile to the corner of sections 1, 2, 11 and 12, T. 30 N., R. 73 W., Seward Meridian;

Thence northerly, between sections 1 and 2, approximately 1 mile to the corner of sections 1, 2, 35 and 36, Tps. 30 and 31 N., R. 73 W., Seward Meridian;

Thence easterly, between Tps. 30 and 31 N., approximately $\frac{1}{2}$ mile to the $\frac{1}{4}$ section corner of sections 1 and 36, Tps. 30 and 31 N., R. 73 W., Seward Meridian;

Thence northerly, on the north and south centerline of section 36, approximately 1 mile to the $\frac{1}{4}$ section corner of sections 25 and 36, T. 31 N., R. 73 W., Seward Meridian;

Thence easterly, between sections 25 and 36, approximately $\frac{1}{2}$ mile to the corner of sections 25, 30, 31 and 36, T. 31 N., R. 72 and 73 W., Seward Meridian;

Thence northerly, between Rs. 72 and 73 W., approximately 3 miles to the corner of sections 7, 12, 13 and 18, T. 31 N., R. 72 and 73 W., Seward Meridian;

Thence easterly, between sections 7 and 18, approximately 1 mile to the corner of sections 7, 8, 17 and 18, T. 31 N., R. 72 W., Seward Meridian;

Thence northerly, between sections 7 and 8, 5 and 6, approximately 2 miles to the corner of sections 5, 6, 31 and 32, Tps. 31 and 32 N., R. 72 W., Seward Meridian;

Thence easterly, between Tps. 31 and 32 N., approximately $\frac{1}{2}$ mile to the $\frac{1}{4}$ section corner of sections 5 and 32, Tps. 31 and 32 N., R. 72 W., Seward Meridian;

Thence northerly, on the north and south centerlines of sections 32 and 29, approximately 2 miles to the $\frac{1}{4}$ section corner of sections 20 and 29, T. 32 N., R. 72 W., Seward Meridian;

Thence easterly, between sections 20 and 29, approximately $\frac{1}{2}$ mile to the corner of sections 20, 21, 28 and 29, T. 32 N., R. 72 W., Seward Meridian;

Thence northerly, between sections 20 and 21, 16 and 17, 8 and 9, approximately $2\frac{1}{4}$ miles to the $\frac{1}{4}$ section corner of sections 8 and 9, T. 32 N., R. 72 W., Seward Meridian;

Thence easterly, on the east west centerline of section 9, T. 32 N., R. 72 W., Seward Meridian, to the center $\frac{1}{4}$ section of section 9;

Thence northerly, with the north south centerlines of section 9 and 4, approximately $1\frac{1}{4}$ miles to the $\frac{1}{4}$ section corner on the Eighth Standard Parallel North, T. 32 N., R. 72 W., Seward Meridian;

Thence easterly, on the Eighth Standard Parallel North, approximately 1/10 mile to the $\frac{1}{4}$ section corner of section 32, Tps. 32 and 33 N., R. 71 W., Seward Meridian;

Thence northerly, on the north and south centerline of sections 32, 29, 20 and 17, approximately 4 miles to the $\frac{1}{4}$ section corner of sections 8 and 17, T. 33 N., R. 71 W., Seward Meridian;

Thence westerly, between sections 8 and 17, approximately $\frac{1}{2}$ mile to the corner of sections 7, 8, 17 and 18, T. 33 N., R. 71 W., Seward Meridian;

Thence northerly, between sections 7 and 8, 5 and 6, 31 and 32, approximately 3 miles to the closing corner of sections 31 and 32, T. 34 N., R. 71 W., Seward Meridian;

Thence easterly, between the Seward and Kateel River Meridians, approximately 1 mile to the $\frac{1}{4}$ section corner of section 1 T. 29 S., R. 22 W., Kateel River Meridian;

Thence northerly, on the north and south centerline of section 1 and 36, approximately $1\frac{1}{4}$ miles to the center $\frac{1}{4}$ section corner of section 36, T. 28 S., R. 22 W., Kateel River Meridian;

Thence easterly, on the east and west centerline of section 36, approximately $\frac{1}{2}$ mile to the $\frac{1}{4}$ section corner of sections 31 and 36, T. 28 S., R. 21 and 22 W., Kateel River Meridian;

Thence northerly, between Rs. 21 and 22 W., approximately 1 mile to the $\frac{1}{4}$ section corner of sections 25 and 30, T. 28 S., R. 21 and 22 W., Kateel River Meridian;

Thence easterly, on the east and west centerline of section 30, approximately $\frac{1}{2}$ mile to the center $\frac{1}{4}$ section corner of section 30, T. 28 S., R. 21 W., Kateel River Meridian;

Thence northerly, on the north and south centerline of section 30, approximately $\frac{1}{2}$ mile to the $\frac{1}{2}$ section corner of sections 19 and 30, T. 28 S., R. 21 W., Kateel River Meridian;

Thence easterly, between sections 19 and 30, approximately $\frac{1}{2}$ mile to the corner of sections 19, 20, 29 and 30, T. 28 S., R. 21 W., Kateel River Meridian;

Thence northerly, between sections 17, 18, 19 and 20, T. 28 S., R. 21 W., Kateel River Meridian;

Thence easterly, between sections 17 and 20, approximately $\frac{1}{2}$ mile to the $\frac{1}{2}$ section corner of sections 17 and 20, T. 28 S., R. 21 W., Kateel River Meridian;

Thence northerly, on the north and south centerline of section 17, approximately $\frac{1}{2}$ mile to the center $\frac{1}{2}$ section corner of section 17, T. 28 S., R. 21 W., Kateel River Meridian;

Thence easterly, on the east and west centerline of section 17, approximately $\frac{1}{2}$ mile to the $\frac{1}{2}$ section corner of sections 16 and 17, T. 28 S., R. 21 W., Kateel River Meridian;

Thence northerly, between sections 16 and 17, approximately $\frac{1}{2}$ mile to the corner of sections 8, 9, 16 and 17, T. 28 S., R. 21 W., Kateel River Meridian;

Thence easterly, between sections 9 and 16, approximately $\frac{1}{2}$ mile to the $\frac{1}{2}$ section corner of sections 9 and 16, T. 28 S., R. 21 W., Kateel River Meridian;

Thence northerly, on the north and south centerline of section 9, approximately $\frac{1}{2}$ mile to the center $\frac{1}{2}$ section corner of section 9, T. 28 S., R. 21 W., Kateel River Meridian;

Thence easterly, on the east and west centerline of section 9, approximately $\frac{1}{2}$ mile to the $\frac{1}{2}$ section corner of sections 9 and 10, T. 28 S., R. 21 W., Kateel River Meridian;

Thence northerly, between sections 9 and 10, approximately $\frac{1}{2}$ mile to the corner of sections 3, 4, 9 and 10, T. 28 S., R. 21 W., Kateel River Meridian;

Thence easterly, between sections 3 and 10, approximately $\frac{1}{2}$ mile to the $\frac{1}{2}$ section corner of sections 3 and 10, T. 28 S., R. 21 W., Kateel River Meridian;

Thence easterly, on the east and west centerline of section 3, approximately $\frac{1}{2}$ mile to the $\frac{1}{2}$ section corner of sections 2 and 3, T. 28 S., R. 21 W., Kateel River Meridian;

Thence northerly, between sections 2 and 3, approximately $\frac{1}{2}$ mile to the corner of sections 2, 3, 34 and 35, Tps. 27 and 28 S., R. 21 W., Kateel River Meridian;

Thence easterly, between Tps. 27 and 28 S., approximately $\frac{1}{2}$ mile to the $\frac{1}{2}$ section corner of sections 2 and 35, Tps. 27 and 28 S., R. 21 W., Kateel River Meridian;

Thence northerly, on the north and south centerline of section 35, approximately $\frac{1}{2}$ mile to the $\frac{1}{2}$ center corner of section 35, T. 27 S., R. 21 W., Kateel River Meridian;

Thence easterly, on the east and west centerline of sections 35 and 36, approximately $\frac{1}{2}$ mile to the center $\frac{1}{2}$ section corner of section 36, T. 27 S., R. 21 W., Kateel River Meridian;

Thence northerly, on the north and south centerline of section 36, approximately $\frac{1}{2}$ mile to the $\frac{1}{2}$ section corner of sections 25 and 36, T. 27 S., R. 21 W., Kateel River Meridian;

Thence easterly, between sections 25 and 36, 30 and 31, 29 and 32, 28 and 33, approximately $\frac{3}{4}$ miles to the corner of sections 27, 28, 33 and 34, T. 27 S., R. 20 W., Kateel River Meridian;

Thence northerly, between sections 27 and 28, approximately $\frac{1}{2}$ mile to the corner of sections 21, 22, 27 and 28, T. 27 S., R. 20 W., Kateel River Meridian;

Thence easterly, between sections 22 and 27, 23 and 26, approximately $\frac{1}{2}$ miles to the corner of sections 23, 24, 25 and 26, T. 27 S., R. 20 W., Kateel River Meridian;

Thence northerly, between sections 23 and 24, approximately $\frac{1}{2}$ mile to the corner of sections 13, 14, 23 and 24, T. 27 S., R. 20 W., Kateel River Meridian;

Thence easterly, between sections 13 and 24, 18 and 19, 17 and 20, 16 and 21, approximately $\frac{3}{4}$ miles to the $\frac{1}{2}$ section corner of sections 16 and 21, T. 27 S., R. 19 W., Kateel River Meridian;

MUNIVAK WILDERNESS

Section 702 (9):

"Munivak Wilderness of approximately six hundred thousand acres as generally depicted on a map entitled 'Yukon Delta National Wildlife Refuge', dated July 1980."

The Munivak Wilderness consists of the public lands, as defined by the ANILCA, within the following boundary:

Beginning at the meander corner of sections 6 and 31, Tps. 1 and 2 S., R. 95 W., Seward Meridian;

Thence westerly, between Tps. 1 and 2 S., approximately 2 1/4 miles to the corner of Tps. 1 and 2 S., Rs. 99 and 100 W., Seward Meridian;

Thence northerly, between Rs. 99 and 100 W., approximately 1,500 feet to a point due east of the summit of a low hill, between sections 31 and 36, T. 1 S., Rs. 99 and 100 W., Seward Meridian;

Thence due west, approximately 950 feet to the summit of a hill in the southeasterly portion of section 36, T. 1 S., R. 100 W., Seward Meridian, approximate elevation 1,185 feet;

Thence on an approximate forward bearing of N. 62° W., approximately 23,900 feet to the summit of a hill in the southeasterly portion of section 20, T. 1 S., R. 100 W., Seward Meridian, approximate elevation 960 feet;

Thence on an approximate forward bearing of N. 84° W., approximately 9,600 feet to the summit of a hill in the northeasterly portion of section 24, T. 1 S., R. 101 W., Seward Meridian, approximate elevation 755 feet;

Thence on an approximate forward bearing of N. 73° W., approximately 18,200 feet to the summit of a hill in the northeasterly portion of section 16, T. 1 S., R. 101 W., Seward Meridian, approximate elevation 615 feet;

Thence northerly, on the north and south centerline of section 16, approximately 1/2 mile to the center 1/2 section corner of section 16, T. 27 S., R. 19 W., Kateel River Meridian;

Thence easterly, on the east and west centerline of sections 16 and 15, approximately 1 1/2 miles to the 1/2 section corner of sections 14 and 15, T. 27 S., R. 19 W., Kateel River Meridian;

Thence northerly, between sections 14 and 15, approximately 1/2 mile to the corner of sections 10, 11, 14 and 15, T. 27 S., R. 19 W., Kateel River Meridian;

Thence easterly, between sections 11 and 14, 12 and 13, approximately 2 miles to the corner of sections 7, 12, 13 and 18, T. 27 S., Rs. 18 and 19 W., Kateel River Meridian;

Thence northerly, between Rs. 18 and 19 W., approximately 1/2 mile to the 1/2 section corner of sections 7 and 12, T. 27 S., R. 18 W., Kateel River Meridian;

Thence easterly, on the east and west centerline of sections 7 and 8, approximately 2 miles to the 1/2 section corner of sections 8 and 9, T. 27 S., R. 18 W., Kateel River Meridian;

Thence northerly, between sections 8 and 9, approximately 1/2 mile to the corner of sections 4, 5, 8 and 9, T. 27 S., R. 18 W., Kateel River Meridian;

Thence easterly, between sections 4 and 9, 3 and 10, approximately 2 miles to the corner of sections 2, 3, 10 and 11, T. 27 S., R. 18 W., Kateel River Meridian;

Thence northerly, between sections 2 and 3, approximately 1/2 mile to the 1/2 section corner of sections 2 and 3, T. 27 S., R. 18 W., Kateel River Meridian;

Thence easterly, on the east and west centerline of section 2, approximately 1 mile to the 1/2 section corner of sections 1 and 2, T. 27 S., R. 18 W., Kateel River Meridian;

Thence northerly, between sections 1 and 2, approximately 1/2 mile to the corners of sections 1, 2, 35 and 36, Tps. 26 and 27 S., R. 18 W., Kateel River Meridian;

Thence easterly, between Tps. 26 and 27 S., approximately 1 mile to the corner of Tps. 26 and 27 S., Rs. 17 and 18 W., Kateel River Meridian;

Thence northerly, between Rs. 17 and 18 S., approximately 7 miles to the corner of sections 25, 30, 31 and 36, T. 25 S., Rs. 17 and 18 W., Kateel River Meridian, the place of beginning.

Thence on an approximate forward bearing of N. 50° W., approximately 9,200 feet to the summit of a low hill, in sections 5 and 8, T. 1 S., R. 101 W., Seward Meridian, approximate elevation 465 feet;

Thence approximately due west, approximately 3,200 feet to the corner of sections 5, 6, 7 and 8, T. 1 S., R. 101 W., Seward Meridian;

Thence northerly, between sections 5 and 6, approximately 1 mile to the closing corner of sections 5 and 6, approximately 1 mile to the closing corner of sections 5 and 6, T. 1 S., R. 101 W., Seward Meridian;

Thence westerly, on the Seward Base Line, approximately 7 1/2 miles to a point due South of the summit of a low hill in the southerly portion of section 36, T. 1 N., R. 102 W., Seward Meridian;

Thence due North, approximately 1,000 feet to the summit of a hill in the southerly portion of section 36, T. 1 N., R. 102 W., Seward Meridian, approximate elevation 540 feet;

Thence on an approximate forward bearing of N. 76° W., approximately 31,300 feet to the summit of a hill in the northwesterly portion of section 19, T. 1 N., R. 102 W., Seward Meridian, approximate elevation 490 feet;

Thence on an approximate forward bearing of S. 70° W., approximately 13,300 feet to the summit of Seemalik Butte in the northeasterly portion of section 27, T. 1 N., R. 103 W., Seward Meridian, approximate elevation 866 feet;

Thence on an approximate forward bearing of S. 80° W., approximately 10,400 feet to the summit of a hill in the southeasterly portion of section 29, T. 1 N., R. 103 W., Seward Meridian, approximate elevation 460 feet;

Thence on an approximate forward bearing of S. 83° W., approximately 18,600 feet to the summit of a hill in the northerly portion of section 35, T. 1 N., R. 104 W., Seward Meridian, approximate elevation 505 feet;

Thence on an approximate forward bearing of S. 47° W., approximately 4,700 feet to the summit of a hill in the southeasterly portion of section 34, T. 1 N., R. 104 W., Seward Meridian, approximate elevation 515 feet;

Thence on an approximate forward bearing of N. 31° W., approximately 30,100 feet to a point on the right bank of an unnamed river at the line of mean high tide of the Bering Sea, in the southeasterly portion of section 6, T. 1 N., R. 104 W., Seward Meridian;

Thence northeasterly, along the line of mean high tide of the Bering Sea, approximately 1,000 feet to the meander corner of sections 5 and 6, T. 1 N., R. 104 W., Seward Meridian;

Thence due North, to a point in the Bering Sea, 7,437.5 feet from the line of mean high tide of the shore of Nunivak Island;

Thence westerly, southeasterly, northeasterly, and northwesterly, along a line 7,437.5 feet from the line of mean high tide of Nunivak Island, including all submerged lands within the described line, to a point 7,437.5 feet due East of the meander corner of sections 6 and 31, Tps. 1 and 2 S., R. 95 W., Seward Meridian;

Thence due West, 7,437.5 feet to the meander corner of sections 6 and 31, Tps. 1 and 2 S., R. 95 W., Seward Meridian, the place of beginning.

UNITS OF THE NATIONAL WILD AND SCENIC RIVERS SYSTEM
WITHIN THE YUKON DELTA NATIONAL WILDLIFE REFUGE:

Designated Wild River:

Section 602:

"Andreafsky, Alaska—That portion from its source, including all headwaters, and the East Fork, within the boundary of the Yukon Delta National Wildlife Refuge; to be administered by the Secretary of the Interior."

NOTE: The boundaries of the designated wild river corridors will be determined during the comprehensive conservation of planning process for the Yukon Delta National Wildlife Refuge and will be published upon completion of that plan (due by December 1985).

Designated Study River:

Section 604 (a):

Kisarralik, Alaska--The corridor withdrawn during the course of the study and consideration by Congress consists of those public lands which constitute the bed or bank, or are within an area extending two miles from the bank of the river channel on both sides of that portion of the Kisarralik River from its entrance into the Yukon Delta National Wildlife Refuge in T. 3 N., R. 61 W., Seward Meridian, to its confluence with the Kuskokwim River.

*Department of the Interior 1:250,000 scale map issued in 1980, incorrectly depicts this portion of the description.

The following USGS quadrangle maps were used to prepare the legal description for the Yukon Delta National Wildlife Refuge:

Scale of Map	Name and Date
1:63,360	Goodnews (D-4), (D-5), (D-6), (D-7), (D-8) 1954.
1:63,360	Kuskokwim Bay (D-1) 1954; (D-2) 1953; (D-3), (D-4), (D-5), (D-6) 1954.
1:250,000	Baird Inlet 1954 mr 1977.
1:63,360	Baird Inlet (A-6), (A-7), (A-8), (C-8) 1954.
1:250,000*	Cape Mendenhall 1952 mr 1972.
1:63,360*	Cape Mendenhall (D-2), (D-3) 1952 mr 1973; (D-4), (D-5) 1952 mr 1975; (D-6) 1952 mr 1973.
1:250,000*	Muniwak Island 1954 mr 1974.
1:63,360*	Muniwak Island (A-2), (A-3), (A-4) 1952; (A-5) 1952 mr 1973; (A-6) 1952; (A-7) 1952 mr 1973; (B-1), (C-1), (D-1) 1954.
1:63,360	Booper Bay (A-1) 1954; (A-2) 1952 mr 1972; (B-2) 1953; (B-3) 1952 mr 1972; (C-4) 1952 mr 1966; (D-2) 1952; (D-3) 1953.
1:63,360	Black (A-2) 1952 mr 1973; (B-1) 1952; (C-1) 1952 mr 1972.
1:63,360*	Saint Michael (A-1) 1952 mr 1963; (A-2), (A-3) 1952 mr 1973; (A-4), (A-5), (A-6), (B-1), (B-2) 1952.
1:63,360*	Taaliklett (A-5), (A-6), (B-6) 1952 mr 1966.
1:63,360*	Holy Cross (A-2), (A-3) 1952 mr 1973; (A-4) 1952 mr 1966; (A-5), (A-6) 1952 mr 1975; (B-6) 1952 mr 1967; (C-5) 1952 mr 1972; (C-6) 1952 mr 1966; (D-5) 1952 mr 1972; (D-6) 1952.

1:63,360
1:63,360

1:63,360*

1:63,360

Marshall (D-1) 1952.
Russian Mission (A-3) 1954; (A-4) 1954 mr 1973; (B-1), (B-2), (B-3), (C-1) 1952; (C-2) 1952 mr 1970; (C-3) 1952 mr 1972; (C-4) 1954 mr 1972; (C-7), (C-8), (D-3), (D-4), (D-5), (D-6), (D-7), (D-8) 1952.
Kadgok (A-1) 1952; (A-2) 1952 mr 1972; (B-1) 1952; (B-2) 1952 mr 1972; (B-3) 1952 mr 1975; (B-4) 1952; (C-1) 1952 mr 1973; (C-2) 1952 mr 1966; (C-3) 1952 mr 1973; (C-6) 1952; (D-2) 1952 mr 1965; (D-6) 1952.
Bethel (A-3) 1979; (A-4) 1954; (B-2) 1979; (B-3) 1954; (C-2) 1979; (C-3) 1954; (D-3) 1954 mr 1971; (D-4) 1954.

YUKON DELTA NATIONAL WILDLIFE REFUGE

PUBLIC LAW 96-487



LEGEND

-  REFUGE
 WILDERNESS
 WILD & SCENIC RIVERS
 STUDY RIVER
 64
 MILES

REFUGE

WILDERNESS

WILD & SCENIC RIVERS

STUDY RIVER

MILES

YUKON FLATS NATIONAL WILDLIFE REFUGE

Section 302 (9):

"The Yukon Flats National Wildlife Refuge shall consist of approximately eight million six hundred and thirty thousand acres of public lands as generally depicted on the map entitled 'Yukon Flats National Wildlife Refuge', dated July 1980."

The Yukon Flats National Wildlife Refuge consists of the public lands, as defined by the ANILCA, within the following boundary:

- Beginning at the corner of sections 7, 12, 13 and 18, T. 24 N., Rs. 26 and 27 E., Fairbanks Meridian;
- Thence westerly, between sections 12 and 13, 11 and 14, 10 and 15, 9 and 16, 8 and 17, approximately 5 miles to the corner of sections 7, 8, 17 and 18, T. 24 N., R. 26 E., Fairbanks Meridian;
- Thence southerly, between sections 17 and 18, 19 and 20, 29 and 30, 31 and 32, approximately 4 miles to the corner of sections 5, 6, 31 and 32, Tps. 23 and 24 N., R. 26 E., Fairbanks Meridian;
- Thence westerly, between Tps. 23 and 24 N., approximately 1 mile to the corner of Tps. 23 and 24 N., Rs. 25 and 26 E., Fairbanks Meridian;
- Thence southerly, between Rs. 25 and 26 E., approximately 3 miles to the corner of sections 13, 16, 19 and 24, T. 23 N., Rs. 25 and 26 E., Fairbanks Meridian;
- Thence westerly, between sections 13 and 24, 14 and 23, 15 and 22, 16 and 21, approximately 4 miles to the corner of sections 16, 17, 20 and 21, T. 23 N., R. 25 E., Fairbanks Meridian;
- Thence southerly, between sections 20 and 21, approximately 1 mile to the corner of sections 20, 21, 28 and 29, T. 23 N., R. 25 E., Fairbanks Meridian;
- Thence westerly, between sections 20 and 29, 19 and 30, approximately 2 miles to the corner of sections 19, 24, 25 and 30, T. 23 N., Rs. 24 and 25 E., Fairbanks Meridian;
- Thence southerly, between Rs. 24 and 25 E., approximately 1 mile to the corner of sections 25, 30, 31 and 36, T. 23 N., Rs. 24 and 25 E., Fairbanks Meridian;

Thence westerly, between sections 25 and 36, 26 and 35, 27 and 34, 28 and 33, 29 and 32, approximately 5 miles to the corner of sections 29, 30, 31 and 32, T. 23 N., R. 24 E., Fairbanks Meridian;

Thence northerly, between sections 29 and 30, approximately 1 mile to the corner of sections 19, 20, 29 and 30, T. 23 N., R. 24 E., Fairbanks Meridian;

Thence westerly, between sections 19 and 30, 24 and 25, 23 and 26, approximately 3 miles to the corner of sections 22, 23, 26 and 27, T. 23 N., R. 23 E., Fairbanks Meridian;

Thence northerly, between sections 22 and 23, 14 and 15, 10 and 11, 2 and 3, approximately 4 miles to the corner of sections 2, 3, 34 and 35, Tps. 23 and 24 N., R. 23 E., Fairbanks Meridian;

Thence westerly, between Tps. 23 and 24 N., approximately 6 miles to the corner of sections 2, 3, 34 and 35, Tps. 23 and 24 N., R. 22 E., Fairbanks Meridian;

Thence southerly, between sections 2 and 3, 10 and 11, 14 and 15, approximately 3 miles to the corner of sections 14, 15, 22 and 23, T. 23 N., R. 22 E., Fairbanks Meridian;

Thence westerly, between sections 15 and 22, 16 and 21, 17 and 20, 18 and 19, approximately 4 miles to the corner of sections 13, 18, 19 and 24, T. 23 N., Rs. 21 and 22 E., Fairbanks Meridian;

Thence northerly, between Rs. 21 and 22 E., approximately 3 miles to the corner of Tps. 23 and 24 N., Rs. 21 and 22 E., Fairbanks Meridian;

Thence westerly, between Tps. 23 and 24 N., approximately 1 mile to the corner of sections 1, 2, 35 and 36, Tps. 23 and 24 N., R. 21 E., Fairbanks Meridian;

Thence northerly, between sections 35 and 36, 25 and 26, 23 and 24, approximately 3 miles to the corner of sections 13, 14, 23 and 24, T. 24 N., R. 21 E., Fairbanks Meridian;

Thence easterly, between sections 13 and 24, 18 and 19, 17 and 20, approximately 3 miles to the corner of sections 16, 17, 20 and 21, T. 24 N., R. 22 E., Fairbanks Meridian;

Thence northerly, between sections 16 and 17, approximately 1 mile to the corner of sections 8, 9, 16 and 17, T. 24 N., R. 22 E., Fairbanks Meridian;

Thence easterly, between sections 9 and 16, 10 and 15, approximately 2 miles to the corner of sections 10, 11, 14 and 15, T. 24 N., R. 22 E., Fairbanks Meridian;

Thence northerly, between sections 10 and 11, 2 and 3, approximately 2 miles to the closing corner of sections 2 and 3, T. 24 N., R. 22 E., Fairbanks Meridian;

Thence easterly, along the Sixth Standard Parallel North, approximately 3/4 mile to the standard corner of sections 33 and 34, T. 25 N., R. 22 E., Fairbanks Meridian;

Thence northerly, between sections 33 and 34, 27 and 28, 21 and 22, 15 and 16, 9 and 10, 3 and 4, 33 and 34, 27 and 28, approximately 8 miles to the corner of sections 21, 22, 27 and 28, T. 26 N., R. 22 E., Fairbanks Meridian;

Thence westerly, between sections 21 and 28, approximately 1 mile to the corner of sections 20, 21, 28 and 29, T. 26 N., R. 22 E., Fairbanks Meridian;

Thence northerly, between sections 20 and 21, 16 and 17, 8 and 9, 4 and 5, approximately 4 miles to the corner of sections 4, 5, 32 and 33, Tps. 26 and 27 N., R. 22 E., Fairbanks Meridian;

Thence westerly, between Tps. 26 and 27 N., approximately 2 miles to the corner of Tps. 26 and 27 N., Rs. 21 and 22 E., Fairbanks Meridian;

Thence northerly, between Rs. 21 and 22 E., approximately 6 miles to the corner of Tps. 27 and 28 N., Rs. 21 and 22 E., Fairbanks Meridian;

Thence westerly, between Tps. 27 and 28 N., approximately 6 miles to the corner of Tps. 27 and 28 N., Rs. 19 and 20 E., Fairbanks Meridian;

Thence northerly, between Rs. 20 and 21 E., approximately 6 miles to the closing corner of T. 28 N., Rs. 20 and 21 E., Fairbanks Meridian;

Thence westerly, along the Seventh Standard Parallel North, approximately 4 1/2 miles to the standard corner of T. 29 N., Rs. 19 and 20 E., Fairbanks Meridian;

Thence northerly, between Rs. 19 and 20 E., approximately 12 miles to the corner of Tps. 30 and 31 N., Rs. 19 and 20 E., Fairbanks Meridian;

Thence westerly, between Tps. 30 and 31 N., approximately 27 miles to the corner of sections 3, 4, 33 and 34, Tps. 30 and 31 N., R. 15 E., Fairbanks Meridian;

Thence southerly, between sections 3 and 4, 9 and 10, approximately 2 miles to the corner of sections 9, 10, 15 and 16, T. 30 N., R. 15 E., Fairbanks Meridian;

Thence westerly, between sections 9 and 16, 8 and 17, 7 and 18, 12 and 13, 11 and 14, approximately 5 miles to the corner of sections 10, 11, 14 and 15, T. 30 N., R. 14 E., Fairbanks Meridian;

Thence southerly, between sections 14 and 15, approximately 1 mile to the corner of sections 14, 15, 22 and 23, T. 30 N., R. 14 E., Fairbanks Meridian;

Thence westerly, between sections 15 and 22, approximately 1 mile to the corner of sections 15, 16, 21 and 22, T. 30 N., R. 14 E., Fairbanks Meridian;

Thence southerly, between sections 21 and 22, approximately 1 mile to the corner of sections 21, 22, 27 and 28, T. 30 N., R. 14 E., Fairbanks Meridian;

Thence westerly, between sections 21 and 28, 20 and 29, 19 and 30, approximately 3 miles to the corner of sections 19, 24, 25 and 30, T. 30 N., Rs. 13 and 14 E., Fairbanks Meridian;

Thence northerly, between Rs. 13 and 14 E., approximately 2 miles to the corner of sections 7, 12, 13 and 18, T. 30 N., Rs. 13 and 14 E., Fairbanks Meridian;

Thence westerly, between sections 12 and 13, 11 and 14, approximately 2 miles to the corner of sections 10, 11, 14 and 15, T. 30 N., R. 13 E., Fairbanks Meridian;

Thence northerly, between sections 10 and 11, approximately 1 mile to the corner of sections 2, 3, 10 and 11, T. 30 N., R. 13 E., Fairbanks Meridian;

Thence westerly, between sections 3 and 10, 4 and 9, 5 and 8, 6 and 7, approximately 4 miles to the corner of sections 1, 6, 7 and 12, T. 30 N., Rs. 12 and 13 E., Fairbanks Meridian;

Thence southerly, between Rs. 12 and 13 E., approximately 3 miles to the corner of sections 19, 24, 25 and 30, T. 30 N., Rs. 12 and 13 E., Fairbanks Meridian;

Thence westerly, between sections 24 and 25, 23 and 26, 22 and 27, 21 and 28, approximately 4 miles to the corner of sections 20, 21, 28 and 29, T. 30 N., R. 12 E., Fairbanks Meridian;

Thence southerly, between sections 28 and 29, approximately 1 mile to the corner of sections 28, 29, 32 and 33, T. 30 N., R. 12 E., Fairbanks Meridian;

Thence westerly, between sections 29 and 32, approximately 1 mile to the corner of sections 29, 30, 31 and 32, T. 30 N., R. 12 E., Fairbanks Meridian;

Thence southerly, between sections 31 and 32, approximately 1 mile to the corner of sections 5, 6, 31 and 32, Tps. 29 and 30 N., R. 12 E., Fairbanks Meridian;

Thence northerly, between sections 28 and 29, approximately 1 mile to the corner of sections 20, 21, 28 and 29, T. 26 N., R. 2 W., Fairbanks Meridian;

Thence westerly, between sections 20 and 29, 19 and 30, 24 and 25, 23 and 26, 22 and 27, 21 and 28, 20 and 29, 19 and 30, 24 and 25, approximately 9 miles to the corner of sections 23, 24, 25 and 26, T. 26 N., R. 4 W., Fairbanks Meridian;

Thence southerly, between sections 25 and 26, approximately 1 mile to the corner of sections 25, 26, 35 and 36, T. 26 N., R. 4 W., Fairbanks Meridian;

Thence westerly, between sections 26 and 35, 27 and 34, 28 and 33, 29 and 32, approximately 4 miles to the corner of sections 29, 30, 31 and 32, T. 26 N., R. 4 W., Fairbanks Meridian;

Thence northerly, between sections 29 and 30, approximately 1 mile to the corner of sections 19, 20, 29 and 30, T. 26 N., R. 4 W., Fairbanks Meridian;

Thence westerly, between sections 19 and 30, 24 and 25, 23 and 26, approximately 2 1/2 miles to the 1/4 section corner of sections 23 and 26, T. 26 N., R. 5 W., Fairbanks Meridian;

Thence northerly, along the north and south centerline of section 23, approximately 1/2 mile to the center 1/4 section corner of section 23, T. 26 N., R. 5 W., Fairbanks Meridian;

Thence westerly, along the east and west centerline of section 23, approximately 1/2 mile to the 1/4 section corner of sections 22 and 23, T. 26 N., R. 5 W., Fairbanks Meridian;

Thence northerly, between sections 22 and 23, approximately 1/2 mile to the corner of sections 14, 15, 22 and 23, T. 26 N., R. 5 W., Fairbanks Meridian;

Thence westerly, between sections 15 and 22, approximately 1 mile to the corner of sections 15, 16, 21 and 22, T. 26 N., R. 5 W., Fairbanks Meridian;

Thence southerly, between sections 21 and 22, 27 and 28, 33 and 34, approximately 3 miles to the corner of sections 3, 4, 33 and 34, Tps. 25 and 26 N., R. 5 W., Fairbanks Meridian;

Thence westerly, between Tps. 25 and 26 N., approximately 1 mile to the corner of sections 4, 5, 32 and 33, Tps. 25 and 26 N., R. 5 W., Fairbanks Meridian;

Thence southerly, between sections 4 and 5, 8 and 9, 16 and 17, approximately 2 1/2 miles to the 1/4 section corner of sections 16 and 17, T. 25 N., R. 5 W., Fairbanks Meridian;

Thence westerly, between Tps. 29 and 30 N., approximately 1 1/4 miles to a point on the easterly boundary of the Venetie Indian Reservation as surveyed and plotted in U.S. Survey No. 5220, Alaska, dated April 26, 1978, between sections 1 and 36, Tps. 29 and 30 N., R. 11 E., Fairbanks Meridian;

Thence southwesterly, westerly and northwesterly, along said boundary of the Venetie Indian Reservation approximately 150 miles to a point between sections 7 and 12, T. 26 N., Rs. 2 and 3 E., Fairbanks Meridian;

Thence southerly, between Rs. 2 and 3 E., approximately 3/4 mile to the corner of sections 7, 12, 13 and 18, T. 26 N., Rs. 2 and 3 E., Fairbanks Meridian;

Thence westerly, between sections 12 and 13, approximately 1 mile to the corner of sections 11, 12, 13 and 14, T. 26 N., R. 2 E., Fairbanks Meridian;

Thence southerly, between sections 13 and 14, approximately 1 mile to the corner of sections 13, 14, 23 and 24, T. 26 N., R. 2 E., Fairbanks Meridian;

Thence westerly, between sections 14 and 23, approximately 1 mile to the corner of sections 14, 15, 22 and 23, T. 26 N., R. 2 E., Fairbanks Meridian;

Thence southerly, between sections 22 and 23, approximately 1 mile to the corner of sections 22, 23, 26 and 27, T. 26 N., R. 2 E., Fairbanks Meridian;

Thence westerly, between sections 22 and 27, 21 and 28, 20 and 29, approximately 5 miles to the corner of sections 19, 20, 29 and 30, T. 26 N., R. 2 E., Fairbanks Meridian;

Thence southerly, between sections 29 and 30, approximately 1 mile to the corner of sections 29, 30, 31 and 32, T. 26 N., R. 2 E., Fairbanks Meridian;

Thence westerly, between sections 30 and 31, 25 and 36, approximately 2 miles to the corner of sections 25, 26, 35 and 36, T. 26 N., R. 1 E., Fairbanks Meridian;

Thence northerly, between sections 25 and 26, approximately 1 mile to the corner of sections 23, 24, 25 and 26, T. 26 N., R. 1 E., Fairbanks Meridian;

Thence westerly, between sections 23 and 26, 22 and 27, 21 and 28, 20 and 29, 19 and 30, 24 and 25, 23 and 26, approximately 7 miles to the corner of sections 22, 23, 26 and 27, T. 26 N., R. 1 W., Fairbanks Meridian;

Thence southerly, between sections 26 and 27, approximately 1 mile to the corner of sections 26, 27, 34 and 35, T. 26 N., R. 1 W., Fairbanks Meridian;

Thence westerly, between sections 27 and 34, 28 and 33, 29 and 32, 30 and 31, 25 and 36, 26 and 35, 27 and 34, 28 and 33, approximately 8 miles to the corner of sections 28, 29, 32 and 33, T. 26 N., R. 2 W., Fairbanks Meridian;

Thence westerly, along the east and west centerlines of sections 17, 18, 13 and 14, approximately 3 1/2 miles to the center 1/4 section corner of section 14, T. 25 N., R. 6 W., Fairbanks Meridian;

Thence southerly, along the north and south centerlines of sections 14, 23 and 26, approximately 2 miles to the center 1/4 section corner of section 26, T. 25 N., R. 6 W., Fairbanks Meridian;

Thence westerly, along the east and west centerlines of sections 26, 27 and 28, approximately 2 1/2 miles to the center 1/4 section corner of sections 28 and 29, T. 25 N., R. 6 W., Fairbanks Meridian;

Thence southerly, between sections 28 and 29, approximately 1/2 mile to the corner of sections 28, 29, 32 and 33, T. 25 N., R. 6 W., Fairbanks Meridian;

Thence westerly, between sections 29 and 32, 30 and 31, approximately 2 miles to the corner of sections 25, 30, 31 and 36, T. 25 N., R. 6 and 7 W., Fairbanks Meridian;

Thence southerly, between Rs. 6 and 7 W., approximately 1 mile to the standard corner of T. 25 N., Rs. 6 and 7 W., Fairbanks Meridian;

Thence westerly, along the Sixth Standard Parallel North, approximately 1/2 mile to the closing corner of sections 1 and 2, T. 24 N., R. 7 W., Fairbanks Meridian;

Thence southerly, between sections 1 and 2, approximately 1 mile to the corner of sections 1, 2, 11 and 12, T. 24 N., R. 7 W., Fairbanks Meridian;

Thence westerly, between sections 2 and 11, 3 and 10, 4 and 9, approximately 3 miles to the corner of sections 4, 5, 8, and 9, T. 24 N., R. 7 W., Fairbanks Meridian;

Thence southerly, between sections 8 and 9, approximately 1 mile to the corner of sections 8, 9, 16 and 17, T. 24 N., R. 7 W., Fairbanks Meridian;

Thence westerly, between sections 8 and 17, 7 and 18, 12 and 13, 11 and 14, approximately 3 1/2 miles to the center 1/4 section corner of sections 11 and 14, T. 24 N., R. 8 W., Fairbanks Meridian;

Thence northerly, along the north and south centerlines of sections 11 and 2, approximately 2 miles to the center 1/4 section corner of section 2, T. 24 N., R. 8 W., Fairbanks Meridian;

Thence westerly, along the Sixth Standard Parallel North, approximately 2 miles to the standard corner of sections 33 and 34, T. 25 N., R. 8 W., Fairbanks Meridian;

Thence northerly, between sections 33 and 34, approximately 1 mile to the corner of sections 27, 28, 33 and 34, T. 25 N., R. 8 W., Fairbanks Meridian;

Thence westerly, between sections 28 and 33, approximately 1/2 mile to the 1/4 section corner of sections 28 and 33, T. 25 N., R. 8 W., Fairbanks Meridian;

Thence northerly, along the north and south centerline of section 28, approximately 1 mile to the 1/4 section corner of sections 21 and 28, T. 25 N., R. 8 W., Fairbanks Meridian;

Thence westerly, between sections 21 and 28, 20 and 29, 19 and 30, T. 25 N., R. 8 W., Fairbanks Meridian;

Thence southerly, along the north and south centerline of section 30, approximately 1 mile to the 1/4 section corner of sections 30 and 31, T. 25 N., R. 8 W., Fairbanks Meridian;

Thence westerly, between sections 30 and 31, 25 and 36, T. 25 N., R. 9 W., Fairbanks Meridian;

Thence southerly, along the north and south centerline of section 36, approximately 1/2 mile to the center 1/4 section corner of section 36, T. 25 N., R. 9 W., Fairbanks Meridian;

Thence westerly, along the east and west centerlines of sections 36 and 35, approximately 1 mile to the center 1/4 section corner of section 35, T. 25 N., R. 9 W., Fairbanks Meridian;

Thence southerly, along the north and south centerline of section 35, approximately 1/2 mile to the standard 1/4 section corner of section 35, T. 25 N., R. 9 W., Fairbanks Meridian;

Thence westerly, along the Sixth Standard Parallel North, approximately 3/4 mile to the closing corner of sections 3 and 4, T. 24 N., R. 9 W., Fairbanks Meridian;

Thence southerly, between sections 3 and 4, approximately 1 mile to the corner of sections 3, 4, 9 and 10, T. 24 N., R. 9 W., Fairbanks Meridian;

Thence westerly, between sections 4 and 9, 5 and 8, 6 and 7, 1 and 12, 2 and 11, approximately 5 miles to the corner of sections 2, 3, 10 and 11, T. 24 N., R. 10 W., Fairbanks Meridian;

Thence southerly, between sections 10 and 11, 14 and 15, 22 and 23, approximately 3 miles to the corner of sections 22, 23, 26 and 27, T. 24 N., R. 10 W., Fairbanks Meridian;

Trance southerly, between Rs. 10 and 11 W., approximately 1 mile to the corner of sections 25, 30, 31 and 36, T. 22 N., Rs. 10 and 11 W., Fairbanks Meridian;

Trance westerly, between sections 25 and 36, 26 and 35, approximately 2 miles to the corner of sections 26, 27, 34 and 35, T. 22 N., R. 11 W., Fairbanks Meridian;

Trance southerly, between sections 34 and 35, approximately 1 mile to the corner of sections 2, 3, 34 and 35, Tps. 21 and 22 N., R. 11 W., Fairbanks Meridian;

Trance westerly, between Tps. 21 and 22 N., approximately 1 mile to the corner of sections 3, 4, 33 and 34, Tps. 21 and 22 N., R. 11 W., Fairbanks Meridian;

Trance southerly, between sections 3 and 4, 9 and 10, approximately 2 miles to the corner of sections 9, 10, 15 and 16, T. 21 N., R. 11 W., Fairbanks Meridian;

Trance westerly, between sections 9 and 16, approximately 1 mile to the corner of sections 8, 9, 16 and 17, T. 21 N., R. 11 W., Fairbanks Meridian;

Trance southerly, between sections 16 and 17, 20 and 21, 28 and 29, approximately 3 miles to the corner of sections 28, 29, 32 and 33, T. 21 N., R. 11 W., Fairbanks Meridian;

Trance westerly, between sections 29 and 32, 30 and 31, approximately 2 miles to the corner of sections 25, 30, 31 and 36, T. 21 N., Rs. 11 and 12 W., Fairbanks Meridian;

Trance southerly, between Rs. 11 and 12 W., approximately 1 mile to the standard corner of T. 21 N., Rs. 11 and 12 W., Fairbanks Meridian;

Trance westerly, along the Fifth Standard Parallel North, approximately 1/4 mile to the closing corner of sections 1 and 2, T. 20 N., R. 12 W., Fairbanks Meridian;

Trance southerly, between sections 1 and 2, 11 and 12, 13 and 14, 23 and 24, 25 and 26, 35 and 36, 1 and 2, 11 and 12, approximately 8 miles to the corner of sections 11, 12, 13 and 14, T. 19 N., R. 12 W., Fairbanks Meridian;

Trance easterly, between sections 12 and 13, approximately 1 mile to the corner of sections 7, 12, 13 and 18, T. 19 N., Rs. 11 and 12 W., Fairbanks Meridian;

Trance southerly, between Rs. 11 and 12 W., approximately 2 miles to the corner of sections 19, 24, 25 and 30, T. 19 N., Rs. 11 and 12 W., Fairbanks Meridian;

Trance easterly, between sections 23 and 26, approximately 1 mile to the corner of sections 23, 24, 25 and 26, T. 24 N., R. 10 W., Fairbanks Meridian;

Trance southerly, between sections 25 and 26, 35 and 36, approximately 2 miles to the corner of sections 1, 2, 35 and 36, Tps. 23 and 24 N., R. 10 W., Fairbanks Meridian;

Trance easterly, between Tps. 23 and 24 N., approximately 1 mile to the corner of Tps. 23 and 24 N., Rs. 9 and 10 W., Fairbanks Meridian;

Trance southerly, between Rs. 9 and 10 W., approximately 3 miles to the corner of sections 13, 18, 19 and 24, T. 23 N., Rs. 9 and 10 W., Fairbanks Meridian;

Trance westerly, between sections 13 and 24, approximately 1 mile to the corner of sections 13, 14, 23 and 24, T. 23 N., R. 10 W., Fairbanks Meridian;

Trance southerly, between sections 23 and 24, approximately 1 mile to the corner of sections 23, 24, 25 and 26, T. 23 N., R. 10 W., Fairbanks Meridian;

Trance westerly, between sections 23 and 26, approximately 1 mile to the corner of sections 22, 23, 26 and 27, T. 23 N., R. 10 W., Fairbanks Meridian;

Trance southerly, between sections 26 and 27, 34 and 35, 2 and 3, approximately 3 miles to the corner of sections 2, 3, 10 and 11, T. 22 N., R. 10 W., Fairbanks Meridian;

Trance westerly, between sections 3 and 10, approximately 1 mile to the corner of sections 3, 4, 9 and 10, T. 22 N., R. 10 W., Fairbanks Meridian;

Trance southerly, between sections 9 and 10, approximately 1 mile to the corner of sections 9, 10, 15 and 16, T. 22 N., R. 10 W., Fairbanks Meridian;

Trance westerly, between sections 9 and 16, approximately 1 mile to the corner of sections 8, 9, 16 and 17, T. 22 N., R. 10 W., Fairbanks Meridian;

Trance southerly, between sections 16 and 17, approximately 1 mile to the corner of sections 16, 17, 20 and 21, T. 22 N., R. 10 W., Fairbanks Meridian;

Trance westerly, between sections 17 and 20, approximately 1 mile to the corner of sections 17, 18, 19 and 20, T. 22 N., R. 10 W., Fairbanks Meridian;

Trance southerly, between sections 19 and 20, approximately 1 mile to the corner of sections 19, 20, 29 and 30, T. 22 N., R. 10 W., Fairbanks Meridian;

Trance westerly, between sections 19 and 30, approximately 1 mile to the corner of sections 19, 24, 25 and 30, T. 22 N., Rs. 10 and 11 W., Fairbanks Meridian;

Thence westerly, between sections 24 and 25, approximately 1 mile to the corner of sections 23, 24, 25 and 26, T. 19 N., R. 12 W., Fairbanks Meridian;

Thence southerly, between sections 25 and 26, approximately 1 mile to the corner of sections 25, 26, 35 and 36, T. 19 N., R. 12 W., Fairbanks Meridian;

Thence easterly, between sections 25 and 36, 30 and 31, approximately 2 miles to the corner of sections 29, 30, 31 and 32, T. 19 N., R. 11 W., Fairbanks Meridian;

Thence southerly, between sections 31 and 32, 5 and 6, 7 and 8, 17 and 18, 19 and 20, 29 and 30, 31 and 32, 5 and 6, 7 and 8, 17 and 18, 19 and 20, approximately 11 miles to the corner of sections 19, 20, 29 and 30, T. 17 N., R. 11 W., Fairbanks Meridian;

Thence easterly, between sections 20 and 29, approximately 1 mile to the corner of sections 20, 21, 28 and 29, T. 17 N., R. 11 W., Fairbanks Meridian;

Thence southerly, between sections 28 and 29, 32 and 33, approximately 2 miles to the standard corner of sections 32 and 33, T. 17 N., R. 11 W., Fairbanks Meridian;

Thence easterly, along the Fourth Standard Parallel North, approximately 4 3/4 miles to the closing corner of T. 16 N., Rs. 10 and 11 W., Fairbanks Meridian;

Thence southerly, between Rs. 10 and 11 W., approximately 18 miles to the corner of Ips. 13 and 14 N., Rs. 10 and 11 W., Fairbanks Meridian;

Thence easterly, between Ips. 13 and 14 N., approximately 6 miles to the corner of Ips. 13 and 14 N., Rs. 9 and 10 W., Fairbanks Meridian;

Thence southerly, between Rs. 9 and 10 W., approximately 6 miles to the standard corner of T. 13 N., Rs. 9 and 10 W., Fairbanks Meridian;

Thence easterly, along the Third Standard Parallel North, approximately 3/4 mile to the closing corner of T. 12 N., Rs. 9 and 10 W., Fairbanks Meridian;

Thence southerly, between Rs. 9 and 10 W., approximately 4 1/2 miles to the 1/4 section corner of sections 25 and 30, T. 12 N., Rs. 9 and 10 W., Fairbanks Meridian;

Thence easterly, along the east and west centerlines of sections 30 and 29, approximately 1 1/2 miles to the center 1/4 section corner of section 29, T. 12 N., R. 9 W., Fairbanks Meridian;

Thence southerly, along the north and south centerline of section 29, approximately 1/2 mile to the 1/4 section corner of sections 29 and 32, T. 12 N., R. 9 W., Fairbanks Meridian;

Thence easterly, between sections 29 and 32, 28 and 33, 27 and 34, and 35, T. 12 N., R. 9 W., Fairbanks Meridian;

Thence southerly, between sections 34 and 35, approximately 1 mile to the corner of sections 2, 3, 34 and 35, Ips. 11 and 12 N., R. 9 W., Fairbanks Meridian;

Thence easterly, between Ips. 11 and 12 N., approximately 1 mile to the corner of sections 1, 2, 35 and 36, Ips. 11 and 12 N., R. 9 W., Fairbanks Meridian;

Thence southerly, between sections 1 and 2, approximately 1 mile to the corner of sections 1, 2, 11 and 12, T. 11 N., R. 9 W., Fairbanks Meridian;

Thence easterly, between sections 1 and 12, 6 and 7, 5 and 8, approximately 3 miles to the corner of sections 4, 5, 8 and 9, T. 11 N., R. 8 W., Fairbanks Meridian;

Thence southerly, between sections 8 and 9, approximately 1 mile to the corner of sections 8, 9, 16 and 17, T. 11 N., R. 8 W., Fairbanks Meridian;

Thence easterly, between sections 9 and 16, 10 and 15, 11 and 14, approximately 3 miles to the corner of sections 11, 12, 13 and 14, T. 11 N., R. 8 W., Fairbanks Meridian;

Thence northerly, between sections 11 and 12, approximately 1 mile to the corner of sections 1, 2, 11 and 12, T. 11 N., R. 8 W., Fairbanks Meridian;

Thence easterly, between sections 1 and 12, 6 and 7, 5 and 8, 4 and 9, 3 and 10, approximately 5 miles to the corner of sections 2, 3, 10 and 11, T. 11 N., R. 7 W., Fairbanks Meridian;

Thence northerly, between sections 2 and 3, approximately 1 mile to the corner of sections 2, 3, 34 and 35, Ips. 11 and 12 N., R. 7 W., Fairbanks Meridian;

Thence easterly, between Ips. 11 and 12 N., approximately 2 miles to the corner of Ips. 11 and 12 N., Rs. 6 and 7 W., Fairbanks Meridian;

Thence northerly, between Rs. 6 and 7 W., approximately 1/2 mile to the 1/4 section corner of sections 31 and 36, T. 12 N., Rs. 6 and 7 W., Fairbanks Meridian;

Thence easterly, along the east and west centerlines of sections 31 and 32, approximately 2 miles to the 1/4 section corner of sections 32 and 33, T. 12 N., R. 6 W., Fairbanks Meridian;

Thence northerly, between sections 32 and 33, approximately 1/2 mile to the corner of sections 28, 29, 32 and 33, T. 12 N., R. 6 W., Fairbanks Meridian;

Thence easterly, between sections 28 and 33, 27 and 34, approximately 2 miles to the corner of sections 26, 27, 34 and 35, T. 12 N., R. 6 W., Fairbanks Meridian;

Thence northerly, between sections 26 and 27, approximately 1 mile to the corner of sections 22, 23, 26 and 27, T. 12 N., R. 6 W., Fairbanks Meridian;

Thence easterly, between sections 23 and 26, 24 and 25, 19 and 30, 20 and 29, 21 and 28, 22 and 27, 23 and 26, approximately 7 miles to the corner of sections 23, 24, 25 and 26, T. 12 N., R. 5 W., Fairbanks Meridian;

Thence southerly, between sections 25 and 26, 35 and 36, approximately 2 miles to the corner of sections 1, 2, 35 and 36, Tps. 11 and 12 N., R. 5 W., Fairbanks Meridian;

Thence easterly, between Tps. 11 and 12 N., approximately 2 miles to the corner of sections 5, 6, 31 and 32, Tps. 11 and 12 N., R. 4 W., Fairbanks Meridian;

Thence southerly, between sections 5 and 6, approximately 1 mile to the corner of sections 5, 6, 7 and 8, T. 11 N., R. 4 W., Fairbanks Meridian;

Thence easterly, between sections 5 and 8, 4 and 9, approximately 2 miles to the corner of sections 3, 4, 9 and 10, T. 11 N., R. 4 W., Fairbanks Meridian;

Thence northerly, between sections 3 and 4, approximately 1 mile to the corner of sections 3, 4, 33 and 34, Tps. 11 and 12 N., R. 4 W., Fairbanks Meridian;

Thence easterly, between Tps. 11 and 12 N., approximately 5 miles to the corner of sections 4, 5, 32 and 33, Tps. 11 and 12 N., R. 3 W., Fairbanks Meridian;

Thence northerly, between sections 32 and 33, approximately 1 mile to the corner of sections 28, 29, 32 and 33, T. 12 N., R. 3 W., Fairbanks Meridian;

Thence easterly, between sections 28 and 33, 27 and 34, approximately 2 miles to the corner of sections 26, 27, 34 and 35, T. 12 N., R. 3 W., Fairbanks Meridian;

Thence northerly, between sections 26 and 27, 22 and 23, 14 and 15, approximately 3 miles to the corner of sections 10, 11, 14 and 15, T. 12 N., R. 3 W., Fairbanks Meridian;

Thence easterly, between sections 11 and 14, 12 and 13, approximately 2 miles to the corner of sections 7, 12, 13 and 18, T. 12 N., R. 2 and 3 W., Fairbanks Meridian;

Thence northerly, between Rs. 2 and 3 W., approximately 1 mile to the corner of sections 1, 6, 7 and 12, T. 12 N., Rs. 2 and 3 W., Fairbanks Meridian;

Thence easterly, between sections 6 and 7, 5 and 8, approximately 2 miles to the corner of sections 4, 5, 8 and 9, T. 12 N., R. 2 W., Fairbanks Meridian;

Thence southerly, between sections 8 and 9, 16 and 17, 20 and 21, approximately 3 miles to the corner of sections 20, 21, 28 and 29, T. 12 N., R. 2 W., Fairbanks Meridian;

Thence easterly, between sections 21 and 28, 22 and 27, approximately 2 miles to the corner of sections 22, 23, 26 and 27, T. 12 N., R. 2 W., Fairbanks Meridian;

Thence southerly, between sections 26 and 27, approximately 1/2 mile to the 1/4 section corner of sections 26 and 27, T. 12 N., R. 2 W., Fairbanks Meridian;

Thence easterly, along the east and west centerlines of sections 26, 25, 30, 29, 28, 27 and 26, approximately 7 miles to the 1/4 section corner of sections 25 and 26, T. 12 N., R. 1 W., Fairbanks Meridian;

Thence southerly, between sections 25 and 26, approximately 1/2 mile to the corner of sections 25, 26, 35 and 36, T. 12 N., R. 1 W., Fairbanks Meridian;

Thence easterly, between sections 25 and 36, approximately 1 mile to the corner of sections 25, 30, 31 and 36, T. 12 N., Rs. 1 E. and 1 W., Fairbanks Meridian;

Thence northerly, between Rs. 1 E. and 1 W., approximately 3,000 feet to a point on the summit of a ridge between sections 25 and 30, T. 12 N., Rs. 1 E. and 1 W., Fairbanks Meridian;

Thence northeasterly and easterly, along the divide between the Yukon River and Victoria Creek drainages, approximately 31 miles to the summit of a mountain located in the easterly portion of section 7, T. 12 N., R. 5 E., Fairbanks Meridian, approximate elevation 2,905 feet;

Thence on an approximate forward bearing of N. 72° E., approximately 1/2 mile to the headwaters of Glacier Creek located near the center of section 8, T. 12 N., R. 5 E., Fairbanks Meridian;

Thence southeasterly, along the centerline of Glacier Creek, approximately 6 1/2 miles to a point on the right bank of Victoria Creek at the line of mean high water located in the northwesterly portion of section 2, T. 11 N., R. 5 E., Fairbanks Meridian;

Thence southeasterly, along the right bank of Victoria Creek, approximately 1/2 mile to a point on the right bank of Beaver Creek at the line of mean high water located in the southerly portion of section 2, T. 11 N., R. 5 E., Fairbanks Meridian;

Thence northeasterly, along the right bank of Beaver Creek, approximately 3 miles to the centerline of Moose Creek, located in section 31, T. 12 N., R. 6 E., Fairbanks Meridian;

Thence southeasterly, along the centerline of Moose Creek, approximately 9 miles to a point between sections 2 and 11, T. 10 N., R. 6 E., Fairbanks Meridian;

Thence easterly, between sections 2 and 11, 1 and 12, approximately 1 1/4 miles to the corner of sections 1, 6, 7 and 12, T. 10 N., Rs. 6 and 7 E., Fairbanks Meridian;

Thence northerly, between Rs. 6 and 7 E., approximately 1,800 feet to a point on the summit of a ridge between sections 1 and 6, T. 10 N., Rs. 6 and 7 E., Fairbanks Meridian;

Thence northeasterly, easterly and southeasterly, along the divide between Beaver Creek, Discovery Creek, North Fork Preacher Creek, and Preacher Creek, approximately 26 miles to the summit of a mountain in the southeasterly portion of section 4, T. 11 N., R. 10 E., Fairbanks Meridian, approximate elevation 3,398 feet;

Thence northeasterly and southeasterly, along a ravine and the centerline of an unnamed creek, approximately 4 1/2 miles to the centerline of Preacher Creek in the northwesterly portion of section 18, T. 11 N., R. 11 E., Fairbanks Meridian;

Thence northeasterly, along the centerline of Preacher Creek, approximately 10 1/2 miles to the centerline of Rock Creek, located in section 35, T. 12 N., R. 11 E., Fairbanks Meridian;

Thence southerly, along the centerline of Rock Creek, approximately 4 miles to a point between sections 14 and 23, T. 11 N., R. 11 E., Fairbanks Meridian;

Thence easterly, between sections 14 and 23, 13 and 24, approximately 1 3/4 miles to the corner of sections 13, 18, 19 and 24, T. 11 N., Rs. 11 and 12 E., Fairbanks Meridian;

Thence southerly, between Rs. 11 and 12 E., approximately 1/2 mile to the 1/4 section corner of sections 19 and 24, T. 11 N., Rs. 11 and 12 E., Fairbanks Meridian;

Thence easterly, along the east and west centerlines of sections 19, 20 and 21, approximately 3 miles to the 1/4 section corner of sections 21 and 22, T. 11 N., R. 12 E., Fairbanks Meridian;

Thence southerly, between sections 21 and 22, approximately 1/2 mile to the corner of sections 21, 22, 27 and 28, T. 11 N., R. 12 E., Fairbanks Meridian;

Thence easterly, between sections 22 and 27, approximately 1/2 mile to the 1/4 section corner of sections 22 and 27, T. 11 N., R. 12 E., Fairbanks Meridian;

Thence southerly, along the north and south centerline of section 27, approximately 1/2 mile to the center 1/4 section corner of section 27, T. 11 N., R. 12 E., Fairbanks Meridian;

Thence easterly, along the east and west centerlines of sections 27, 26, 25, 30 and 29, approximately 4 1/2 miles to the 1/4 section corner of sections 28 and 29, T. 11 N., R. 13 E., Fairbanks Meridian;

Thence southerly, between sections 28 and 29, 32 and 33, approximately 1 1/4 miles to the centerline of an unnamed creek located in sections 32 and 33, T. 11 N., R. 13 E., Fairbanks Meridian;

Thence northeasterly, along the centerline of an unnamed creek, approximately 9 miles to a point between sections 3 and 4, T. 11 N., R. 14 E., Fairbanks Meridian;

Thence northerly, between sections 3 and 4, 33 and 34, approximately 1 1/2 miles to the 1/4 section corner of sections 33 and 34, T. 12 N., R. 14 E., Fairbanks Meridian;

Thence easterly, along the east and west centerline of section 34, approximately 1/2 mile to the center 1/4 section corner of section 34, T. 12 N., R. 14 E., Fairbanks Meridian;

Thence northerly, along the north and south centerline of section 34, approximately 1/2 mile to the 1/4 section corner of sections 27 and 34, T. 12 N., R. 14 E., Fairbanks Meridian;

Thence easterly, between sections 27 and 34, 26 and 35, 25 and 36, T. 12 N., R. 14 E., Fairbanks Meridian;

Thence southerly, along the north and south centerline of section 36, approximately 1 mile to the 1/4 section corner of sections 1 and 36, Tps. 11 and 12 N., R. 14 E., Fairbanks Meridian;

Thence southeasterly, along the right bank of Victoria Creek, approximately 1/2 mile to a point on the right bank of Beaver Creek at the line of mean high water located in the southerly portion of section 2, T. 11 N., R. 5 E., Fairbanks Meridian;

Thence northeasterly, along the right bank of Beaver Creek, approximately 3 miles to the centerline of Moose Creek, located in section 31, T. 12 N., R. 6 E., Fairbanks Meridian;

Thence southeasterly, along the centerline of Moose Creek, approximately 9 miles to a point between sections 2 and 11, T. 10 N., R. 6 E., Fairbanks Meridian;

Thence easterly, between sections 2 and 11, 1 and 12, approximately 1 1/4 miles to the corner of sections 1, 6, 7 and 12, T. 10 N., Rs. 6 and 7 E., Fairbanks Meridian;

Thence northerly, between Rs. 6 and 7 E., approximately 1,800 feet to a point on the summit of a ridge between sections 1 and 6, T. 10 N., Rs. 6 and 7 E., Fairbanks Meridian;

Thence northeasterly, easterly and southeasterly, along the divide between Beaver Creek, Discovery Creek, North Fork Preacher Creek, and Preacher Creek, approximately 26 miles to the summit of a mountain in the southeasterly portion of section 4, T. 11 N., R. 10 E., Fairbanks Meridian, approximate elevation 3,398 feet;

Thence northeasterly and southeasterly, along a ravine and the centerline of an unnamed creek, approximately 4 1/2 miles to the centerline of Preacher Creek in the northwesterly portion of section 18, T. 11 N., R. 11 E., Fairbanks Meridian;

Thence northeasterly, along the centerline of Preacher Creek, approximately 10 1/2 miles to the centerline of Rock Creek, located in section 35, T. 12 N., R. 11 E., Fairbanks Meridian;

Thence southerly, along the centerline of Rock Creek, approximately 4 miles to a point between sections 14 and 23, T. 11 N., R. 11 E., Fairbanks Meridian;

Thence easterly, between sections 14 and 23, 13 and 24, approximately 1 3/4 miles to the corner of sections 13, 18, 19 and 24, T. 11 N., Rs. 11 and 12 E., Fairbanks Meridian;

Thence southerly, between Rs. 11 and 12 E., approximately 1/2 mile to the 1/4 section corner of sections 19 and 24, T. 11 N., Rs. 11 and 12 E., Fairbanks Meridian;

Thence easterly, between Tps. 11 and 12 N., approximately 1 1/2 miles to the corner of sections 5, 6, 31 and 32, Tps. 11 and 12 N., R. 15 E., Fairbanks Meridian;

Thence northerly, between sections 31 and 32, 29 and 30, approximately 2 miles to the corner of sections 19, 20, 29 and 30, T. 12 N., R. 15 E., Fairbanks Meridian;

Thence easterly, between sections 20 and 29, 21 and 28, approximately 2 miles to the corner of sections 21, 22, 27 and 28, T. 12 N., R. 15 E., Fairbanks Meridian;

Thence northerly, between sections 21 and 22, approximately 1 mile to the corner of sections 15, 16, 21 and 22, T. 12 N., R. 15 E., Fairbanks Meridian;

Thence easterly, between sections 15 and 22, approximately 1 mile to the corner of sections 14, 15, 22 and 23, T. 12 N., R. 15 E., Fairbanks Meridian;

Thence northerly, between sections 14 and 15, approximately 1 mile to the corner of sections 10, 11, 14 and 15, T. 12 N., R. 15 E., Fairbanks Meridian;

Thence easterly, between sections 11 and 14, approximately 1 mile to the corner of sections 11, 12, 13 and 14, T. 12 N., R. 15 E., Fairbanks Meridian;

Thence northerly, between sections 11 and 12, approximately 1 mile to the corner of sections 1, 2, 11 and 12, T. 12 N., R. 15 E., Fairbanks Meridian;

Thence easterly, between sections 1 and 12, approximately 1 mile to the corner of sections 1, 6, 7 and 12, T. 12 N., R. 15 and 16 E., Fairbanks Meridian;

Thence northerly, between Rs. 15 and 16 E., approximately 1 mile to the closing corner of T. 12 N., Rs. 15 and 16 E., Fairbanks Meridian;

Thence easterly, along the Third Standard Parallel North, approximately 13 1/2 miles to the standard corner of T. 13 N., Rs. 17 and 18 E., Fairbanks Meridian;

Thence northerly, between Rs. 17 and 18 E., approximately 15 miles to the corner of sections 13, 18, 19 and 24, T. 15 N., Rs. 17 and 18 E., Fairbanks Meridian;

Thence westerly, between sections 13 and 24, 14 and 23, 15 and 22, approximately 3 miles to the corner of sections 15, 16, 21 and 22, T. 15 N., R. 17 E., Fairbanks Meridian;

Thence northerly, between sections 15 and 16, 9 and 10, 3 and 4, 33 and 34, 27 and 28, 21 and 22, 15 and 16, 9 and 10, 3 and 4, approximately 9 miles to the closing corner of sections 3 and 4, T. 16 N., R. 17 E., Fairbanks Meridian;

Thence westerly, along the Fourth Standard Parallel North, approximately 1 3/4 miles to the standard corner of T. 17 N., Rs. 16 and 17 E., Fairbanks Meridian;

Thence northerly, between Rs. 16 and 17 E., approximately 6 miles to the corner of Tps. 17 and 18 N., Rs. 16 and 17 E., Fairbanks Meridian;

Thence easterly, between Tps. 17 and 18 N., approximately 6 miles to the corner of Tps. 17 and 18 N., Rs. 17 and 18 E., Fairbanks Meridian;

Thence northerly, between Rs. 17 and 18 E., approximately 6 miles to the corner of Tps. 18 and 19 N., Rs. 17 and 18 E., Fairbanks Meridian;

Thence easterly, between Tps. 18 and 19 N., approximately 6 miles to the corner of Tps. 18 and 19 N., Rs. 18 and 19 E., Fairbanks Meridian;

Thence southerly, between Rs. 18 and 19 E., approximately 4 miles to the corner of sections 19, 24, 25 and 30, T. 18 N., Rs. 18 and 19 E., Fairbanks Meridian;

Thence easterly, between sections 19 and 30, 20 and 29, 21 and 28, 22 and 27, 23 and 26, 24 and 25, approximately 6 miles to the corner of sections 19, 24, 25 and 30, T. 18 N., Rs. 19 and 20 E., Fairbanks Meridian;

Thence southerly, between Rs. 19 and 20 E., approximately 1 mile to the corner of sections 25, 30, 31 and 36, T. 18 N., Rs. 19 and 20 E., Fairbanks Meridian;

Thence easterly, between sections 30 and 31, 29 and 32, 28 and 33, approximately 3 miles to the corner of sections 27, 28, 33 and 34, T. 18 N., R. 20 E., Fairbanks Meridian;

Thence southerly, between sections 33 and 34, approximately 1 mile to the corner of sections 3, 4, 33 and 34, Tps. 17 and 18 N., R. 20 E., Fairbanks Meridian;

Thence easterly, between sections 3 and 34, approximately 1 mile to the corner of sections 2, 5, 34 and 35, Tps. 17 and 18 N., R. 20 E., Fairbanks Meridian;

Thence southerly, between sections 2 and 3, 10 and 11, approximately 2 miles to the corner of sections 10, 11, 14 and 15, T. 17 N., R. 20 E., Fairbanks Meridian;

Thence easterly, between sections 11 and 14, 12 and 13, approximately 2 miles to the corner of sections 7, 12, 13 and 18, T. 17 N., Rs. 20 and 21 E., Fairbanks Meridian;

Thence southerly, between Rs. 20 and 21 E., approximately 4 miles to the standard corner of T. 17 N., Rs. 20 and 21 E., Fairbanks Meridian;

Thence southerly, between sections 22 and 23, 26 and 27, approximately 2 miles to the corner of sections 26, 27, 34 and 35, T. 14 N., R. 20 E., Fairbanks Meridian;

Thence westerly, between sections 27 and 34, approximately 1 mile to the corner of sections 27, 28, 33 and 34, T. 14 N., R. 20 E., Fairbanks Meridian;

Thence southerly, between sections 33 and 34, 3 and 4, 9 and 10, 15 and 16, 21 and 22, 27 and 28, 33 and 34, approximately 7 miles to the standard corner of sections 33 and 34, T. 13 N., R. 20 E., Fairbanks Meridian;

Thence easterly, along the Third Standard Parallel North, approximately 21 miles to the standard corner of T. 13 N., Rs. 23 and 24 E., Fairbanks Meridian;

Thence northerly, between Rs. 23 and 24 E., approximately 12 miles to the corner of Tps. 14 and 15 N., Rs. 23 and 24 E., Fairbanks Meridian;

Thence easterly, between Tps. 14 and 15 N., approximately 18 miles to the corner of Tps. 14 and 15 N., Rs. 26 and 27 E., Fairbanks Meridian;

Thence northerly, between Rs. 26 and 27 E., approximately 12 miles to the closing corner of T. 16 N., Rs. 26 and 27 E., Fairbanks Meridian;

Thence easterly, along the Fourth Standard Parallel North, approximately 2 miles to the standard corner of T. 17 N., Rs. 26 and 27 E., Fairbanks Meridian;

Thence northerly, between Rs. 26 and 27 E., approximately 24 miles to the closing corner of T. 20 N., Rs. 26 and 27 E., Fairbanks Meridian;

Thence easterly, along the Fifth Standard Parallel North, approximately 2 miles to the standard corner of T. 21 N., Rs. 26 and 27 E., Fairbanks Meridian;

Thence northerly, between Rs. 26 and 27 E., approximately 22 miles to the corner of sections 7, 12, 13 and 18, T. 24 N., Rs. 26 and 27 E., Fairbanks Meridian, the place of beginning.

UNITS OF THE NATIONAL WILD AND SCENIC RIVERS SYSTEM
WITHIN THE YUKON FLATS NATIONAL WILDLIFE REFUGE:

Designated Wild River:

Section 603:

Thence easterly, along the Fourth Standard Parallel North, approximately 1 1/4 miles to the closing corner of sections 3 and 4, T. 16 N., R. 21 E., Fairbanks Meridian;

Thence southerly, between sections 3 and 4, 9 and 10, approximately 2 miles to the corner of sections 9, 10, 15 and 16, T. 16 N., R. 21 E., Fairbanks Meridian;

Thence easterly, between sections 10 and 15, 11 and 14, approximately 2 miles to the corner of sections 11, 12, 13 and 14, T. 16 N., R. 21 E., Fairbanks Meridian;

Thence southerly, between sections 13 and 14, 23 and 24, approximately 2 miles to the corner of sections 23, 24, 25 and 26, T. 16 N., R. 21 E., Fairbanks Meridian;

Thence easterly, between sections 24 and 25, approximately 1 mile to the corner of sections 19, 24, 25 and 30, T. 16 N., Rs. 21 and 22 E., Fairbanks Meridian;

Thence southerly, between Rs. 21 and 22 E., approximately 4 miles to the corner of sections 7, 12, 13 and 18, T. 15 N., Rs. 21 and 22 E., Fairbanks Meridian;

Thence westerly, between sections 12 and 13, approximately 1 mile to the corner of sections 11, 12, 13 and 14, T. 15 N., R. 21 E., Fairbanks Meridian;

Thence southerly, between sections 13 and 14, 23 and 24, approximately 2 miles to the corner of sections 23, 24, 25 and 26, T. 15 N., R. 21 E., Fairbanks Meridian;

Thence westerly, between sections 23 and 26, 22 and 27, 21 and 28, 20 and 29, 19 and 30, approximately 5 miles to the corner of sections 19, 24, 25 and 30, T. 15 N., Rs. 20 and 21 E., Fairbanks Meridian;

Thence southerly, between Rs. 20 and 21 E., approximately 2 miles to the corner of Tps. 14 and 15 N., Rs. 20 and 21 E., Fairbanks Meridian;

Thence westerly, between Tps. 14 and 15 N., approximately 1 mile to the corner of sections 1, 2, 35 and 36, Tps. 14 and 15 N., R. 20 E., Fairbanks Meridian;

Thence southerly, between sections 1 and 2, 11 and 12, 13 and 14, approximately 3 miles to the corner of sections 13, 14, 23 and 24, T. 14 N., R. 20 E., Fairbanks Meridian;

Thence westerly, between sections 14 and 23, approximately 1 mile to the corner of sections 14, 15, 22 and 23, T. 14 N., R. 20 E., Fairbanks Meridian;

The following USGS quadrangle maps were used to prepare the legal description for the Yukon Flats National Wildlife Refuge:

Scale of Map	Name and Date
1:63,360	Black River (A-3) 1956; (A-4), (A-5), (A-6) 1956 nr 1983; (B-3) 1956 nr 1973; (B-5) 1956; (B-6) 1956 nr 1973; (C-2) 1956 nr 1971; (C-3) 1956 nr 1964; (D-2), (D-3), (D-4), (D-5) 1956 nr 1973. Coleen 1956 nr 1965.
1:250,000	Coleen (A-4), (A-5) 1956 nr 1965.
1:63,360	Christian 1956 nr 1977.
1:250,000	Fort Yukon (A-1), (C-4) 1956 nr 1963;
1:63,360	(C-5) 1956 nr 1962; (D-3) 1956 nr 1963; (D-4) 1955 nr 1971; (D-5) 1956.
1:63,360	Beaver (A-6), (B-6), (C-6), (D-4), (D-5), (D-6) 1970.
1:63,360	Chandalar (A-4) 1970.
1:63,360	Bettles (B-1) 1970 pr 1975; (C-1) 1970.
1:63,360	Circle (C-2), (C-3) 1955 nr 1963; (C-5) 1952 nr 1973; (D-1) 1955 nr 1978; (D-2) 1952 nr 1973; (D-3) 1952 nr 1964; (D-4) 1952 nr 1963; (D-5) 1952 nr 1971; (D-6) 1951 nr 1963.
1:63,360	Charley River (D-4), (D-5), (D-6) 1956.
1:63,360	Livengood (D-1) 1952 nr 1967; (D-2) 1952 nr 1965; (D-3) 1951 nr 1968; (D-4) 1953 nr 1967; (D-5) 1952 nr 1973; (D-6) 1956 nr 1966.

nr - minor revision
pr - photorevised

Beaver Creek, Alaska--The segment of the main stem from the vicinity of the confluence of the Bear and Champion Creeks downstream to its exit from the northeast corner of township 12 north, range 6 east, Fairbanks Meridian within the White Mountains National Recreation Area, and the Yukon Flats National Wildlife Refuge, to be administered by the Secretary of the Interior."

NOTE: The boundaries of that portion of the designated wild river corridor within the Yukon Flats National Wildlife Refuge will be determined during the comprehensive conservation planning process for that refuge and will be published upon completion of that plan (due by December 1985).

Designated Study Rivers:

Section 604 (a):

Porcupine, Alaska--The corridor withdrawn during the course of the study and consideration by Congress consists of those public lands which constitute the bed or bank, or are within an area extending two miles from the bank of the river channel on both sides of that portion of the Porcupine River from its entrance into the Yukon Flats National Wildlife Refuge in T. 25 N., R. 22 E., Fairbanks Meridian, to its confluence with the Yukon River.

Section 604 (a):

Sreenjek (lower segment), Alaska--The corridor withdrawn during the course of the study and consideration by Congress consists of those public lands which constitute the bed or bank, or are within an area extending two miles from the bank of the river channel on both sides of that portion of the Sreenjek River from its entrance into the Yukon Flats National Wildlife Refuge in T. 30 N., R. 16 E., Fairbanks Meridian to its confluence with the Yukon River.

YUKON FLATS NATIONAL WILDLIFE REFUGE

PUBLIC LAW 96-487

