

HB

286

Alaska State Legislature

House Resources Committee

House Rules Committee

Interim Address:
P.O. Box 871746
Wasilla, Alaska 99687
(907) 373-2518

Session Address:
State Capitol
Juneau, Alaska 99801-1182
(907) 465-2136

Representative Patrick J. Carney

SPONSOR STATEMENT HOUSE BILL 286

"An Act relating to certain activities within rivers, lakes, and streams that are important for spawning, rearing, or migration of anadromous fish."

This legislation addresses two issues: (1) it authorizes the commissioner of the Department of Fish and Game to exempt certain portions of anadromous fish streams that are used for crossings. (2) It provides a lesser penalty for violations of current statute (AS 16.05.870 - 16.05.895) that were unintentionally committed, such as a piece of equipment falling through ice, as long as the violator did not act recklessly.

According to Article VIII, Section 1 of Alaska's Constitution, our policy is to "encourage . . . the development of its resources by making them available for maximum use consistent with the public interest." This legislation attempts to correct an inequity in current statute. An anadromous stream cannot be crossed if there is even a possibility of fish production. This would seem to favor one resource -- fish -- over another, such as timber, even when it could be shown that spawning grounds would not be harmed nor fish stocks reduced as a result of an attempted stream crossing with a piece of equipment or a vehicle.

While it is important to protect anadromous streams from damage from recreational vehicles or equipment used for logging, we must allow flexibility for the department to allow for unintentional violations and to exempt certain portions of streams where there is no possibility that fish stocks would be harmed.

DEPARTMENT OF FISH AND GAME POSITION PAPER

BILL NO: HB 286

SPONSOR: Representative Carney

DIVISION: Habitat and Restoration

DEPARTMENT POSITION: Oppose

The department opposes HB 286 because: 1) it would increase department administrative costs by establishing unnecessary and cumbersome procedures for authorizing crossings of anadromous streams; 2) the amendments would make investigating and prosecuting AS 16.05.870 - .895 violations more difficult and costly; and 3) HB 286 would reduce penalties for failure to meet the application requirements of AS 16.05.895 to the point where the penalties no longer serve as an effective incentive to obtain a permit. Collectively, these amendments substantially reduce protection for anadromous fish streams without any commensurate benefit for the public. Specific problems include:

1. Amendment of AS 16.05.870. Section 1 of HB 286 would amend AS 16.05.870 to add a new subsection (e) reading as follows:

The commissioner may by regulation exempt a portion of a specified river, lake, or stream from (b) - (d) of this section if that portion is used as a crossing or ford to provide access across the river, lake, or stream for management or utilization of upland resources.

Impact of Amendment. Under the proposed subsection (e), the advance notification and plans and specifications approval process required in AS 16.05.870 would be dispensed with for a specified "crossing or ford" provided the "crossing or ford" was identified via a duly adopted regulation.

The proposed subsection (e) requirement that the "crossing or ford" be identified by regulation would seriously alter ADF&G's current practice and significantly increase costs and the time necessary to authorize a crossing by substituting a costly and time-consuming regulatory process for the current permitting process. Currently, the department authorizes crossings of anadromous waters in two ways: (1) by individual permit application which allows one individual to cross a waterbody for a specified period of time (average time to issue a permit is 21 days and 99.3 percent of all applicants receive permits); and (2) the department issues general permits without application, authorizing crossing of certain waterbodies where long-term general public access is needed. Over 100 of these authorizations

DEPARTMENT OF FISH AND GAME
POSITION PAPER
House Bill 286
Continuation Page

have been issued to date in Southcentral, Southwestern, Interior, and Northwestern Alaska. Both permits are issued administratively. Examples of general fording permits include: Fish Habitat Permit FG 93-II-0070 (February 12, 1993) (vehicle stream crossings for Peters Creek, Cache Creek, Nugget Creek, and Thunder Creek permitted); Fish Habitat Permit F3 93-II-0568 (July 28, 1993) (vehicle stream crossings for Rabideux Creek near the Susitna River permitted). HB 286's proposed subsection (e) would, apparently, end ADF&G's practice of issuing general permits because the identification of an exempted "crossing or ford" would have to come first by regulation. Once identified by regulation, however, ADF&G could not impose conditions on the use of the "crossing or ford" as is currently done under a general permit to protect anadromous fish or their habitat.

The proposed subsection (e) does not identify any criteria for the adoption of "crossing or ford" exemption regulations, save that the "crossing or ford" be for the management or use of "upland resources." This restriction seems of no practical consequence because almost any activity might qualify as the use of "upland resources." Under subsection (e), the Commissioner could by regulation specify a "crossing or ford" and allow its use without regard to any material damage to spawning beds or prevention or interference with the migration of fish that the use of a "crossing or ford" would cause. No criteria are provided for the commissioner to base a decision to promulgate a regulation to exempt a "crossing or ford" from the requirements of subsections (a) - (d). These subsections currently provide the Commissioner guidance for determining whether a proposed use or activity in an anadromous fish stream provides for the proper protection of fish and game. Consequently, subsections (a) - (d) provide the Commissioner a process for working with the applicant to develop alternative crossing plans that do provide for protection of fishing resources. The proposed addition of subsection "e" is not needed to provide access across anadromous streams to upland resources because that mechanism is already provided for in subsections (a) - (d). Subsection "(e)" appears to provide for inexpensive access to upland resources but at the expense of anadromous fish resources and the state's commercial, subsistence, and sport fisheries.

HB 286 does not provide for a process whereby a person could petition ADF&G to adopt a regulation specifying a "crossing or ford." A person might, however, use the petition process provided in AS 44.62.190 - 44.62.230. Under these statutes, any "interested person" could file a petition with the Commissioner requesting that a "crossing or ford" be exempted from AS 16.05.870 permitting requirements. AS 44.62.220 requires that within 30 days, the Commissioner must deny the petition in writing, or

DEPARTMENT OF FISH AND GAME
POSITION PAPER
House Bill 286
Continuation Page

schedule it for hearing under AS 44.62.190 - 44.62.230. The Commissioner could reject the petition without holding a public hearing or otherwise engaging in any public process. However, it is not clear whether or not a Commissioner's decision to reject a petition would be subject to the formal administrative hearing requirements in AS 16.05.870(d) and AS 44.62.330 - 44.62.630. Formal hearings can be very time consuming and costly. Any decision with respect to the petition would, however, be subject to appeal to the Superior Court, either by challenge to the regulation which would, in effect, accept the petition by specifying the "crossing or ford" exempt from AS 16.05.870, or by challenge to the Commissioner's decision rejecting the petition.

The costs associated with the review and rejection of a petition done without any public notice or hearing process would consist of ADF&G staff time and expense involved in analyzing the petition, complying with other potentially applicable statutory requirements (such as Alaska's Coastal Zone Management Act), and issuing a decision. It is difficult to estimate what these costs might amount to, but no doubt they could be significant if substantial amounts of research and analysis were needed to determine the potential effects on anadromous fish.

If the Commissioner elected to grant the petition by adopting a regulation exempting a portion of an anadromous waterbody, the costs would include those normally associated with the adoption of a regulation, such as the costs of public notice, a public hearing if held, staff time, and travel costs as required. Because of the importance of many anadromous waterbodies to commercial, sport, and subsistence fisheries, and to water-craft-related recreation, there would likely be expensive court challenges to the adoption of any such regulation.

This amendment to AS 16.05.870(e) would substantially increase ADF&G costs, and increase risk of costly appeals and lawsuits, with no corresponding benefit to the public. It would impose a costly and time-consuming regulatory process instead of the current administrative process. The department already issues both short and long-term stream crossing permits wherever they are needed and do not have long-term impacts on anadromous fish habitat. Over 99 percent of all applicants receive permits, and receive them in less than 21 days.

2. Amendment of AS 16.05.900(a) and (b). Section 4 of HB 286 amends AS 16.05.900(a) and (b) to require that a prosecutor prove that a person who violates AS 16.05.870 - .895 intentionally, knowingly, or recklessly committed the violation. Section (b) of the proposed amendment substantially reduces the penalties for a person or governmental agency who, with criminal negligence or

DEPARTMENT OF FISH AND GAME
POSITION PAPER
House Bill 286
Continuation Page

without a culpable mental state, violates AS 16.05.870 - .895 to a class B misdemeanor. For a class A misdemeanor, upon conviction of an offense, a defendant who is not an organization may be sentenced to pay, unless otherwise specified in the provision of law defining the offense, a fine of no more than \$5,000 upon conviction of an offense, a defendant that is an organization may be sentenced to pay a fine not exceeding the greater of (1) \$200,000, or (2) two times the pecuniary gain realized by the defendant as a result of the offense. A defendant convicted of a class A misdemeanor may be sentenced to a definite term of imprisonment of not more than one year. A class B misdemeanor is punishable by a \$1000 fine and 3 months in jail.

The department opposes these amendments to AS 16.05.900 (a) and (b) because the requirement that a prosecutor prove a specific mental state to obtain a conviction of an Anadromous Fish Act violation will substantially increase a prosecutor's workload. The increased workload will make it more difficult to get overworked prosecutors with large numbers of felonies, murders, and other crimes, etc., to prosecute Anadromous Fish Act AS 16.05.870 violations. It will make prosecutors more inclined to drop cases and plea bargain for reduced penalties to avoid lengthy court battles. Increased difficulty in prosecuting violations will result in less protection for anadromous fish habitats and for resources of critical interest to commercial, subsistence, and sport fishing, as well as hunting and tourism. Passage of HB 286 would mean state prosecutors would have to provide evidence of the appropriate culpable mental state for each element of the offense charged. To the extent that state prosecutors have prosecuted AS 16.05.880 - 16.05.895 offenses without needing to prove a culpable mental state existed, except for class B misdemeanor prosecutions, HB 286 changes would increase the amount and type of evidence prosecutors would need to collect in order to put on a successful case. Evidence of a defendant's mental state at the time of an offense is often the most difficult type of evidence to gather, particularly in the context of public welfare offenses. Moreover, culpable mental state is often the most hotly debated issue in a criminal trial, because the Alaska criminal code punishes intentional conduct much more severely than negligent conduct, and this would also be true under HB 286's amendments to AS 16.05.900(a) and (b). For these reasons, the Attorney General has strenuously resisted defense arguments which have attempted to add to the prosecutor's burden of proof of a culpable mental state. Because carrying the burden of proof of intentional, knowing, or reckless conduct to secure a class A misdemeanor is very substantial, the results may be that busy state prosecutors will pursue only class B misdemeanor cases under the Anadromous Fish Act.

DEPARTMENT OF FISH AND GAME
POSITION PAPER
House Bill 286
Continuation Page

An additional stumbling block for prosecutors may also arise because HB 286 does not say which element of a particular offense the culpable mental state must be proved for. It is not possible to tell, for example, whether in prosecuting for failure to notify the commissioner of the existence of "material damage" to a stream, a violation of AS 16.05.895, it is HB 286's intent that proof of a culpable mental state is required for the lack of notice, the existence of damage, or the material nature of the damage, or all or some combination of each of these elements. While HB 286 proposes some changes to AS 16.05.895, the changes are largely cosmetic, and they do not help clarify this issue.

The reduction in penalties and the increased burden for prosecutions will make the Anadromous Fish Act less of a deterrent to violators who, under present law, can be faced with a potential \$5,000 fine and up to a year in jail for working in an anadromous waterbody without a permit from the ADF&G.

Preparing permit applications for work in a specified anadromous waterbody takes time and, if in the coastal zone, the review process can run from 30 to 50 days depending upon the complexity of the project. In many cases, projects may have to be modified, and terms and conditions may be placed on Anadromous Fish Act permits to protect spawning salmon and incubating eggs. This can add to project costs and delay work if the operator does not plan for it in advance. The very small fines for class B misdemeanors may serve as an incentive for some operators to work in anadromous waterbodies without applying for permits. If caught, a violator can claim that they did not know that a permit was required, and the high level of proof to prove knowing or reckless conduct will make it likely that only class B misdemeanor charges would be pursued by prosecutors. The maximum \$1000 fine is less than a few hours of equipment rental and a small fraction of most projects' budget, and may actually encourage unscrupulous operators to violate the notice and plan requirements of the Act. The requirements to submit plans and specifications to the ADF&G for review and approval are the most important part of the protection provided under the Anadromous Fish Act, and anything that provides a disincentive to do this will result in increased damage to anadromous fish populations and their habitat.

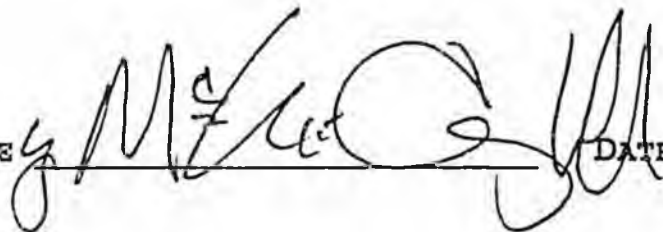
The amendments proposed to AS 16.05.900(a) and (b) will reduce protection for anadromous fish, substantially increase ADF&G costs, and further burden the judicial system without any corresponding benefits to the public or increased fairness to violators. A relatively small number of Anadromous Fish Act violations are prosecuted annually. Courts and prosecutors usually tailor the burden of proof required to obtain a conviction to the severity of the offense. Fines and sentences are based

DEPARTMENT OF FISH AND GAME
POSITION PAPER
House Bill 286
Continuation Page

upon the seriousness and circumstances surrounding the violation. Fines for most AS 16.05.870 - .895 violations are usually small and most sentences are suspended.

The addition of the culpable mental state language to AS 16.05.900(a) and (b) will also increase ADF&G's and the Alaska Department of Public Safety's administrative workload since both agencies gather evidence and help prepare cases for prosecution by the district attorneys. About 26 ADF&G employees will probably have to be given additional training in searching for and gathering reliable culpable mental state evidence if this amendment is adopted.

COMMISSIONER'S SIGNATURE

 DATE 3/7/94

STATE OF ALASKA

WALTER J. HICKEL, GOVERNOR

DEPARTMENT OF FISH AND GAME

333 RASPBERRY ROAD
ANCHORAGE, ALASKA 99518-1599
PHONE (907) 344-0541

BOARDS SUPPORT SECTION

Anchorage Advisory
Committee
Box 454
Girdwood, AK 99587

March 16, 1994

Members of the Alaska State Senate
Members of the Alaska State House of Representatives
State Capitol
Juneau, Alaska

Re: (1) Our Opposition to HB 286 (Amending the Anadromous Fish Act)

Dear Senators and Representatives:

The Anchorage Fish and Game Advisory Committee opposes HB 286.

HB 286 substantially amends the Anadromous Fish Act, AS 16.05.870 - .895, to reduce penalties for some violators, to require state prosecutors to provide a higher standard of proof to convict violators, and establishes a process whereby a person desiring to ford a specified anadromous waterbody could submit a petition to the Commissioner to exempt that portion of the waterbody from the protection of the Act.

The essence of the existing law is the requirement in AS 16.05.870 that a person desiring to conduct activities within an anadromous fish stream must first obtain a permit from the Department of Fish and Game. Failure to do so is a misdemeanor.

The effect of sections 3 and 4 of HB 286 is to reduce penalties and makes convictions more difficult. They do so by requiring prosecutors to prove the mental states of the violator.

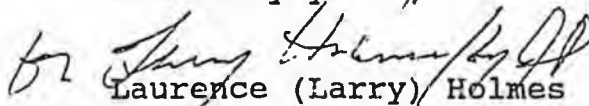
For example, a Class A misdemeanor requires that intentional, knowing or reckless conduct be proven, and a Class B misdemeanor requires proof of criminal negligence.

The result of such amendments would be to reduce the Anadromous Fish Act to a meaningless slap on the wrist for the more significant violations.

This bill arises out of an incident involving a timber company that obtained a permit take heavy equipment across anadromous fish habitat (a salmon rearing slough) by means of an ice bridge and then violated the permit. It appears from the record that the company thereafter argued it did so unknowingly. The effect of HB 259 would be to reduce the maximum fine for such a violator to \$1000. That essentially guts the Act. It reduces violations to a risk of doing business. It invites the simplest defense that one's conduct was negligent rather than willful.

The Anchorage Fish and Game Advisory Committee opposes this legislation and urges you to do the same.

Sincerely yours,



Laurence (Larry) Holmes
Chairman
Anchorage Fish and Game
Advisory Committee

cc: All Alaska State Senators and Representatives
Carl Rosier, Commissioner, ADF&G

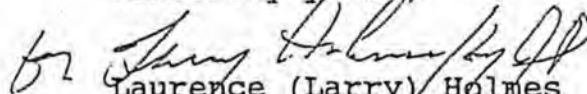
For example, a Class A misdemeanor requires that intentional, knowing or reckless conduct be proven, and a Class B misdemeanor requires proof of criminal negligence.

The result of such amendments would be to reduce the Anadromous Fish Act to a meaningless slap on the wrist for the more significant violations.

This bill arises out of an incident involving a timber company that obtained a permit take heavy equipment across anadromous fish habitat (a salmon rearing slough) by means of an ice bridge and then violated the permit. It appears from the record that the company thereafter argued it did so unknowingly. The effect of HB 259 would be to reduce the maximum fine for such a violator to \$1000. That essentially guts the Act. It reduces violations to a risk of doing business. It invites the simplest defense that one's conduct was negligent rather than willful.

The Anchorage Fish and Game Advisory Committee opposes this legislation and urges you to do the same.

Sincerely yours,



Laurence (Larry) Holmes
Chairman
Anchorage Fish and Game
Advisory Committee

cc: All Alaska State Senators and Representatives
Carl Rosier, Commissioner, ADF&G

FISCAL NOTE

STATE OF ALASKA
1994 LEGISLATIVE SESSION

BILL NO. HB 286

Revision Date: _____
Title: Activities in Anadromous Fish Streams
Sponsor: Representative Carney
Requestor: (H) Special Committee on Fisheries

Dept. Affected: Alaska Department of Fish and Game
BRU: Habitat and Restoration
Component: Habitat
COMPONENT SERIAL NO. 486

Expenditures/Revenues (Thousands of Dollars)

OPERATING EXPENDITURES	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00
PERSONAL SERVICES	44.4	46.7	46.8	47.9	47.9	49.7
TRAVEL	3.0	3.0	3.0	3.0	3.0	3.0
CONTRACTUAL	14.5	4.0	4.0	4.0	4.0	4.0
SUPPLIES						
EQUIPMENT						
LAND & STRUCTURES						
GRANTS, CLAIMS						
MISCELLANEOUS						
TOTAL OPERATING	61.9	53.7	53.8	54.9	54.9	56.7

CAPITAL EXPENDITURES						
----------------------	--	--	--	--	--	--

CHANGE IN REVENUES ()						
------------------------	--	--	--	--	--	--

FUND SOURCE (Thousands of Dollars)

1002 Federal Receipts						
1003 GF Match						
1004 GF	61.9	53.7	53.8	54.9	54.9	56.7
1005 GF/Program Receipts						
1006 GF/MHTIA						
Other						
TOTAL	61.9	53.7	53.8	54.9	54.9	56.7

Estimate of any current year (FY 94) cost: \$ _____

POSITIONS

FULL-TIME Habitat Biologist III	7 mos.	7 mos.	7 mos.	7 mos.	7 mos.	7 mos.
PART-TIME Clerk Typist III	2 mos.	2 mos.	2 mos.	2 mos.	2 mos.	2 mos.
TEMPORARY						

ANALYSIS: (Attach a separate page if necessary)

See attached page

Prepared By: Frank Rye, Director Phone: 465-4105
 Division: Habitat and Restoration Date: February 28, 1994
 Approved by Commissioner: [Signature]
 Agency: Alaska Department of Fish and Game Date: March 1, 1994

PREPARER TO PROVIDE ALL DISTRIBUTION COPIES TO GOVERNOR'S LEGISLATIVE OFFICE

For further distribution information, call the Governor's Legislative Office

FISCAL NOTE
-Continuation-

State of Alaska
18th Legislature
Second Session

Bill No. HB 286

Analysis:

HB 286 would increase Alaska Department of Fish and Game costs through new standards for responding to public petitions, Administrative Procedure Act hearings and appeals, and litigation over regulations. Costs would also increase as a result of new standards for prosecution of Anadromous Fish Act violations. Amendments to the Anadromous Fish Act (AS 16.05.870-.895) proposed in HB 286 will likely increase ADF&G costs to administer and enforce the provisions of the act in three ways:

- (1) administering petitions submitted under the new statute (AS 16.05.870(e) and potential appeals provided for in the statute,
- (2) additional training required to investigate violations where new standards of proof are required to show culpable mental state, and
- (3) additional time investigating violations and assisting prosecutors.

In the past, appeals of AS 16.05.870 provided for in AS 44.62.330 - 44.62.630 have taken approximately two man months of staff time and from \$5K to \$15K in contractual services (hearing officer, recorder, etc.) to resolve. While there is no way to predict the number of petitions and appeals that may be received in one year, three to five petitions and one appeal might be a reasonable estimate. Costs for AS 16.05.870(e) petitions and appeals will likely be similar.

Three days of training in new investigative procedures and culpable mental standards by the Alaska Department of Public Safety and Alaska Department of Law for twenty-six department staff would be necessary and would likely cost around \$10.5K (not including salaries).

The additional costs of investigating violations, including an anticipated increase in the number of persons who will not obtain permits, plus the additional time required to assist prosecutors in preparing cases is estimated at four days per violation (for 15 to 20 violations). Any litigation of petitions could easily double costs. Clerical, administrative, travel, and contractual expenses also have to be added to these estimates. HB 286 would also increase costs in the Alaska Department of Public Safety and Alaska Department of Law for investigating and prosecuting violators.

DIVISION OF LEGAL SERVICES

LEGISLATIVE AFFAIRS AGENCY STATE OF ALASKA

(907) 465-3867 or 465-2450
FAX (907) 465-2029
Mail Stop 3101

130 Seward Street, Suite 409
Juneau, Alaska 99801-2105

MEMORANDUM

March 10, 1994

SUBJECT: Sectional Summary of HB 286 (Work Order No. 8-LS0910A)

TO: Representative Pat Carney

FROM: George Utermohle *GU*
Legislative Counsel

This memorandum is a sectional summary of HB 286, relating to activities in rivers, lakes, and streams important for spawning, rearing, or migration of anadromous fish (anadromous fish streams).

First, HB 286 authorizes the commissioner of fish and game to exempt from the permit requirements of AS 16.05.870 certain portions of anadromous fish streams that are used as ford or crossings. Second, HB 286 provides for a lesser penalty for violations of AS 16.05.870 - 16.05.895 that are not committed intentionally, knowingly, or recklessly.

Section 1 of the bill amends AS 16.05.870 by adding a new subsection that authorizes the commissioner to exempt certain portions of anadromous fish streams from the permit requirements of AS 16.05.870.

Sections 2 and 3 of the bill make conforming and clarifying amendments to AS 16.05.880 and 16.05.895. In order to conform with the provisions of AS 16.05.900(a) and (b), as added by sec. 4 of this bill, the provisions of AS 16.05.880 and 16.05.895 that make violations of these sections misdemeanors are eliminated. Violations of AS 16.05.880 and 16.05.895 will be punished as misdemeanors under AS 16.05.900, as amended by sec. 4 of the bill. Also, as mentioned below, provisions relating to abatement of violations and restoration of damaged streams contained in AS 16.05.880 have been deleted to conform to AS 16.05.900(c), as added by sec. 4 of the bill.

Section 4 of the bill sets out the penalties for violation of the anadromous fish stream protection provisions of AS 16.05.870 - 16.05.895. Subsection (a) provides that it is a class A misdemeanor to intentionally, knowingly, or recklessly violate provisions of AS 16.05.870 - 16.05.895. Subsection (b) provides that it is a class B misdemeanor

Representative Pat Carney

March 10, 1994

Page 2

to violate provisions of AS 16.05.870 - 16.05.895 with criminal negligence or without a culpable mental state.

Subsection (c) provides that a person or government agency that violates provisions of AS 16.05.870 - 16.05.895 is responsible for repairing any damage that has occurred. Subsection (c) also authorizes the state to abate any use, work, or project that has occurred in an anadromous fish stream in violation of provisions of AS 16.05.870 - 16.05.895. The language of this subsection is not new; it has been merely moved from AS 16.05.880 (see, sec. 2 of the bill). The provisions of this subsection are more relevant to the penalty provisions of AS 16.05.870 - 16.05.900, so they have been moved to AS 16.05.900.

Subsection (d) is the former AS 16.05.900(b) which has been relettered as the consequence of adding two new subsections. Subsection (e) provides definitions of the terms "intentionally," "knowingly," "recklessly," and "criminal negligence."

GU:pl

94-187.plm

Enclosure



TED SMITH

Matanuska-Susitna Borough Assembly
District 7

March 14, 1993

Mike Miller, Chair
Senate Resources Committee
P. O. Box V
Juneau, AK. 99801

RECEIVED MAR 17 1993

Dear Senator Miller:

According to the Constitution of the State of Alaska, the policy of the State is to "encourage . . . the development of its resources by making them available for maximum use consistent with the public interest." (Art. VIII, Sec. 1). Please keep this in mind while I tell you of Greg Bell's trials and tribulations at the hands of the State.

Greg is a small businessman, owner and operator of Valley Sawmill in Anchorage and at Point MacKenzie. His troubles began when he purchased a state timber sale. This timber sale was for cottonwood located on one of the islands in the Sustina River. A portion of the island had been logged several years ago so that there was an old trail into the area, crossing a slough of the Susitna by a ford about 40 feet wide and 1 foot deep. Over the years the ford has been used summer and winter by dog mushers and other recreational users.

Greg was aware of the restrictions on operating wheeled or tracked vehicles in anadromous waters so he planned to cross on the ice and do his logging into cold-decks and his hauling during the open period when use of the ford is legal. The State Division of Forestry concurred in those plans.

Greg applied to the Department of Fish and Game for a permit to cross the slough and received permission. The permit had the following stipulation: "1. All stream crossings shall be made over snow-packed or frozen surfaces of sufficient thickness (occurring normally from December 15 to April 15) to support the weight bearing load of the vehicles moving over them. There shall be no vehicles or equipment operated within the open water of the Susitna River unless specifically authorized, in writing, by the ADF&G. Stream crossings shall be sited to utilize existing ford sites where they occur (e.g., crossings at previously used trails, pioneer roads, etc.)"

On his first day on site (Feb. 17), the unexpected happened and his D-5 fell through the ice. A local dog musher who had been accustomed to using the trail complained to ADF&G and on Feb. 19, Greg was cited for crossing "the open waters of the Susitna River without the required written approval". He has since been to his arraignment, entered his plea, and had a trial date of mid-May set.

Fish and Game officials have said that they had no choice in this matter and that it is legislative intent that they have no ability to do other than cite any individual who in any way or for any reason operates a wheeled or tracked vehicle in anadromous waters during the closed period. This is a difficult argument to refute - the only discretion found in Title 16 Chapter 05 is found in AS 16.05.165 where a peace officer is authorized to issue a citation "in the officer's discretion".

So the question arises among other users of public resources: Is fish production really intended to be primary among other beneficial uses of public resources? In this case there are a number of circumstances to be considered:

1. This was at an established ford. Did the compaction from prior use render it unusable for salmon incubation?

2. If not, did the continuous use by recreational users - including wheeled vehicles in the summer months - leave any viable eggs in the gravel?

Even if the conclusion is that there were viable eggs in the gravel when Greg fell in, should the value of those eggs be considered ahead of the \$7,000 Greg paid for the State timber or the total value of the product - estimated at \$150,000?

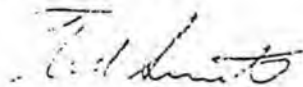
I suggest that there are two points that should be considered for legislative action. First, we should add an element of intent - usual in most crimes - to AS. 16.05.880. A person such as Greg who does his best to follow the law but is undone by the vagaries of nature should not be subject to the same penalty as a person who wilfully and intentionally violates the law.

Second, other beneficial uses should be recognized. A new section should be added to the statutes which specifically authorizes the commissioner to exempt certain locations from the permit requirement of AS 16.05.880 when those locations are used as stream crossings for management of upland resources.

Keep in mind that we have already recognized the importance of fish habitat by placing an estimated 1/3 of all harvestable timber off-limits by the adoption of the Forest Practices Act. In the Mat-Su Valley we have lost another 10-15% to legislative withdrawals. We should be able to accept some temporary loss of fish habitat if, as a result, there are equivalent benefits to the State.

Please contact me if you have any questions or need further information. I should also point out that this position is not necessarily that of the Matanuska-Susitna Borough in that it has not been presented to the Assembly for action.

Yours truly,



Ted Smith

cc: -Mat-Su Delegation
Mat-Su Assembly
Commissioner Olds, DNR
Commissioner Rosier, ADF&G

Slough crossing nails Susitna Valley logging

By BRIAN O'DONOGHUE
Daily News reporter

PALMER — Sawmill owner Greg Bell didn't have any trouble buying trees from the state. But when he tried to get to the trees he bought, the state socked him with a \$2,000 ticket, he shut down his logging operation and one worker got laid off.

Bell's troubles started last month when his D5 Caterpillar tractor broke through the ice crossing a foot-deep slough off the Big Susitna River near Willow, one mile south of the Parks Highway.

Bell, who owns Valley Sawmill, had a permit from the state Fish and Game Department allowing him to cross the slough ice at a fording used by loggers and recreationalists since the 1940s. But the permit also said, "there shall be no vehicles or equipment operated within the open wa-

ter of the Susitna River."

A Willow-area musher, angry about the logging plans, complained to Fish and Game the next day about the disruption to the salmon stream. The habitat biologist who wrote Bell's permit, Steven Albert, and an enforcement officer paid a visit to the logging operation. They confirmed the violation and Bell got the ticket.

Now Bell is headed for court and his logging plans are on hold until he figures out a legal way to cross the stream.

Bell's timber purchase was a small sale as those go in Alaska. But state forestry officials fear Bell's trouble crossing the stream could signal larger resource battles ahead.

"Any other resource development associated with fords would have to

Please see Page C-6, SAWMILL

SAWMILL: Needs legal way to cross stream

Continued from Page C-1

bear the additional cost of access, even if no risk to the fish exists," state resource manager Dave Wallingford wrote his boss, state forester Dean Brown. "From my perspective, a very narrow-minded, unprofessional, point of view."

The sawmill owner can't see why the state is blocking his plans. "Our intentions were honorable; we didn't want to break through," said Bell, in a phone interview from his sawmill in Anchorage. "But there's a history of people using that fording point. What damage did we do? Let's get the guys in and get it done."

Albert, the biologist, said the law leaves no room for leeway. Crossing open water in the known salmon spawning grounds is prohibited, no matter how many others blazed the trail.

He compared Bell's situation to an unlucky driver who gets ticketed for speeding while traveling with a group of cars breaking the 55 mph limit.

"Just because somebody breaks the law and gets away with it, that doesn't mean the next guy can do it," the habitat biologist

A stake is an estimated 640,000 board feet of cottonwood, spread across 240 acres of slough-locked islands. Bell's contract, signed three years ago, called for him to pay the state \$10 per 1,000 board feet, or about \$6,400 for the whole harvest. By the time his crew gets done cutting up the wood at his small sawmill, Bell estimates, the finished products will sell for about \$150,000, keeping his crew of six on the payroll for several months.

Albert said the whole situation is regrettable.

"There's no intention of shutting down the timber sale," Albert said. "We've offered a few times to talk with him (Bell) about finding some alternative way of getting to the site. Some

other way of getting him across."

Bell said those talks center on the possibility of putting in a bridge, something too costly to consider.

"If they choose not to put in a bridge because of the economics, that's not our business," Albert said.

Ted Smith, a Matanuska-Susitna assemblyman and former state lands chief, has asked the legislature to consider changing state law to balance the priority given fish habitat against other resource uses.

"It's questionable whether he (Bell) did any real damage," said Smith. "If he did, what is the value of those eggs compared to the \$150,000 that timber could produce?"

UNITED FISHERMEN OF ALASKA



211 Fourth Street, Suite 112
Juneau, Alaska 99801
907/588-2820
Fax: 907/483-2545

TESTIMONY FOR HOUSE RESOURCES COMMITTEE ON HB286

March 28, 1994

United Fishermen of Alaska overwhelmingly opposes HB 286: Activities in Anadromous Fish Streams.

UFA does not agree with the opinion that the State should accept some temporary loss of fish habitat for the benefit of other users.

AS 16.05.870-895. UFA does not agree with reduced penalties for some violators because we feel this would open the door to future abuses. We need to stay with the present system to obtain a permit from the Department of Fish and Game, without the exemption of any portion. These proposed amendments would reduce protection of salmon streams and would not benefit the public's interest and would open up the risk to abuse and damage to existing fish habitat.

There is no room for trade off's of one resource over the other. Salmon streams are the State's bank for all salmon users in the state. Reduce the bank and we reduce the runs and maybe the ability of a stream to produce eggs for years to come. Even if a salmon stream did not have eggs in the section of the crossing, numerous crossings of a Cat would result in irreparable damage. There has to be other compromises to putting equipment in streams as determined by the Commissioner of the Department of Fish and Game.

UFA opposes this legislation and urges you do the same.

Jerry McCune
UFA President

MEMBER ORGANIZATIONS

Alaska Crab Coalition • Alaska Longline Fishermen's Association • Alaska Trollers Association • Arise K Seline Association
Bering Sea Fishermen's Association • Bristol Bay Driftnetters Association • Concerned Arise "M" Fishermen
Cook Inlet Aquaculture Association • Cordova District Fishermen United • Kasilof Peninsula Fishermen's Association
North Pacific Fisheries Association • Northern Southeast Regional Aquaculture Association • Peninsula Marketing Association
Peteraburg Vessel Owners Association • Prince William Sound Aquaculture Corporation • Purse Seine Vessel Owners Association
Seafood Producers Cooperative • Southeast Alaska Seline Association • Southern Southeast Regional Aquaculture Association
United Cook Inlet Drift Association • Western Alaska Cooperative Marketing Association

1993



**CATALOG OF WATERS IMPORTANT FOR
SPAWNING, REARING OR MIGRATION
OF ANADROMOUS FISHES**

AS REVISED AUGUST 19, 1993
EFFECTIVE OCTOBER 20, 1993

INTERIOR REGION
RESOURCE MANAGEMENT
REGION VI

WATERS FOR ANADROMOUS FISHES ARE LISTED PURSUANT TO AS 16.05.870(a)



PRODUCED BY
STATE OF ALASKA
DEPARTMENT OF FISH AND GAME
HABITAT DIVISION
JUNEAU, ALASKA



**CATALOG OF WATERS IMPORTANT FOR
SPAWNING, REARING OR MIGRATION
OF ANADROMOUS FISHES**

AS REVISED AUGUST 19, 1993
EFFECTIVE OCTOBER 20, 1993

INTERIOR REGION
RESOURCE MANAGEMENT
REGION VI

WATERS FOR ANADROMOUS FISHES ARE LISTED PURSUANT TO AS 16.05.870(a)



PRODUCED BY
STATE OF ALASKA
DEPARTMENT OF FISH AND GAME
HABITAT DIVISION
JUNEAU, ALASKA

INTRODUCTION

Purpose

The Alaska Department of Fish and Game is required by Alaska Statute 16.05.870 to "specify" and protect the various rivers, lakes, and streams of the state which are important for the spawning, rearing or migration of anadromous fish. The Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes (referred to as the "Catalog") is a record of these waterbodies documented as used by anadromous fish for these purposes. The Atlas to the Catalog (referred to as the "Atlas") shows cartographically the location of these anadromous fish waters, the fish species using these waters and the fish life history phases for which the waters are used (to the extent known). Protection of these waterbodies is achieved by requiring plans and specifications be submitted and approved by the Department for activities which affect these waterbodies pursuant to AS 16.05.870.

The Law

"Sec. 16.05.870. Protection of fish and game. (a) The commissioner shall, in accordance with the Administrative Procedure Act (AS 44.62), specify the various rivers, lakes and streams or parts of them that are important for the spawning, rearing or migration of anadromous fish.

(b) If a person or governmental agency desires to construct a hydraulic project, or use, divert, obstruct, pollute, or change the natural flow or bed of a specified river, lake, or stream, or to use wheeled, tracked, or excavating equipment or log-dragging equipment in the bed of a specified river, lake, or stream, the person or governmental agency shall notify the commissioner of this intention before the beginning of the construction or use.

(c) The commissioner shall acknowledge receiving the notice by return first class mail. If the commissioner determines that the following information is required, the letter of acknowledgement shall require the person or governmental agency to submit to the commissioner:

(1) full plans and specifications of the proposed construction or work;

(2) complete plans and specifications for the proper protection of fish and game in connection with the construction or work, or in connection with the use; and

(3) the approximate date the construction, work, or use will begin.

(d) The commissioner shall approve the proposed construction, work, or use in writing unless the commissioner finds the plans and specifications insufficient for the proper protection of fish and game. Upon a finding that the plans and specifications are insufficient for the proper protection of fish and game, the commissioner shall notify the person or governmental agency which submitted the plans and specifications of that finding by first class mail. The person or governmental agency may, within 90 days of receiving the notice, initiate a hearing under AS 44.62.370. The hearing is subject to AS 44.62.330 - 44.62.630."

"Sec. 16.05.880. Construction without approval prohibited. If a person or governmental agency begins construction on a work or project or use for which notice is required by AS 16.05.870 without first providing plans and specifications subject to the approval of the commissioner for the proper protection of fish and game, and without first having obtained written approval of the commissioner as to the adequacy of the plans and specifications submitted for the protection of fish and game, the person or agency is guilty of a misdemeanor. If a person or governmental agency is convicted of violating AS 16.05.870-16.05.895 or continues a use, work or project without fully complying with AS 16.05.870-16.05.895, the

use, work, or project is a public nuisance and is subject to abatement. The cost of restoring a specified river, lake, or stream to its original condition shall be borne by the violator and shall be in addition to the penalty imposed by the court."

"Sec. 16.05.890. Exemption for emergency situations. In an emergency arising from weather or stream flow conditions, the department, through its authorized representatives, shall issue oral permits to a riparian owner for removing obstructions or for repairing existing structures without the necessity of submitting prepared plans and specifications as required by AS 16.05.870."

"Sec. 16.05.895. Penalty for causing material damage. If a person or governmental agency fails to notify the commissioner of any construction or use that causes material damage to the spawning beds or prevents or interferes with the migration of anadromous fish, or by neglect or non-compliance with plans and specifications required and approved by the commissioner causes material damage to the spawning beds or prevents or interferes with the migration of anadromous fish, the person or governmental agency shall be guilty of a misdemeanor."

"Sec. 16.05.900. Penalty for violations. (a) A person who violates AS 16.05.870-16.05.895 is guilty of a class A misdemeanor. (b) The court shall transmit the proceeds of all fines to the proper state officer for deposit in the general fund of the state."

"Sec. 12.55.035. Fines. ***

(b) Upon conviction of an offense, a defendant who is not an organization may be sentenced to pay, unless otherwise specified in the provision of law defining the offense, a fine of no more than *** (3) \$5,000 for a class A misdemeanor;

*** (c) Upon conviction of an offense, a defendant that is an organization may be sentenced to pay a fine not exceeding the greater of

(1) \$200,000 ***;

(2) two times the pecuniary gain realized by the defendant as a result of the offense."

"Sec. 12.55.135. Sentences of imprisonment for misdemeanors.

(a) A defendant convicted of a class A misdemeanor may be sentenced to a definite term of imprisonment of not more than one year."

Permit Process

Implementation of AS 16.05.870 is carried out through the Fish Habitat Permit which can be applied for at the appropriate office of the ADF&G Habitat Division. Fish Habitat Permits are required "to construct a hydraulic project or use, divert, obstruct, pollute, or change the natural flow or bed" of a river, lake or stream listed in the Catalog, or "to use wheeled, tracked or excavating equipment or log-dragging equipment in the bed" of a river, lake, or stream listed in the Catalog (quoted portions from AS 16.05.870(b)). This includes but is not limited to construction, road crossings, gravel removal, placer mining, culvert placement, the use of vehicles or equipment in the waterbody and bank stabilization.

Application for a Fish Habitat Permit must be applied for at the appropriate Habitat Division office (see Definition 11, pg. 20) by submitting a completed General Waterway/Waterbody application, written request, and/or other application materials (i.e. Corps of Engineers permit application). Information submitted with the application should be sufficient to fully describe the proposed activity and its possible effects on the specified anadromous waters. The following types of information should accompany the application where applicable:

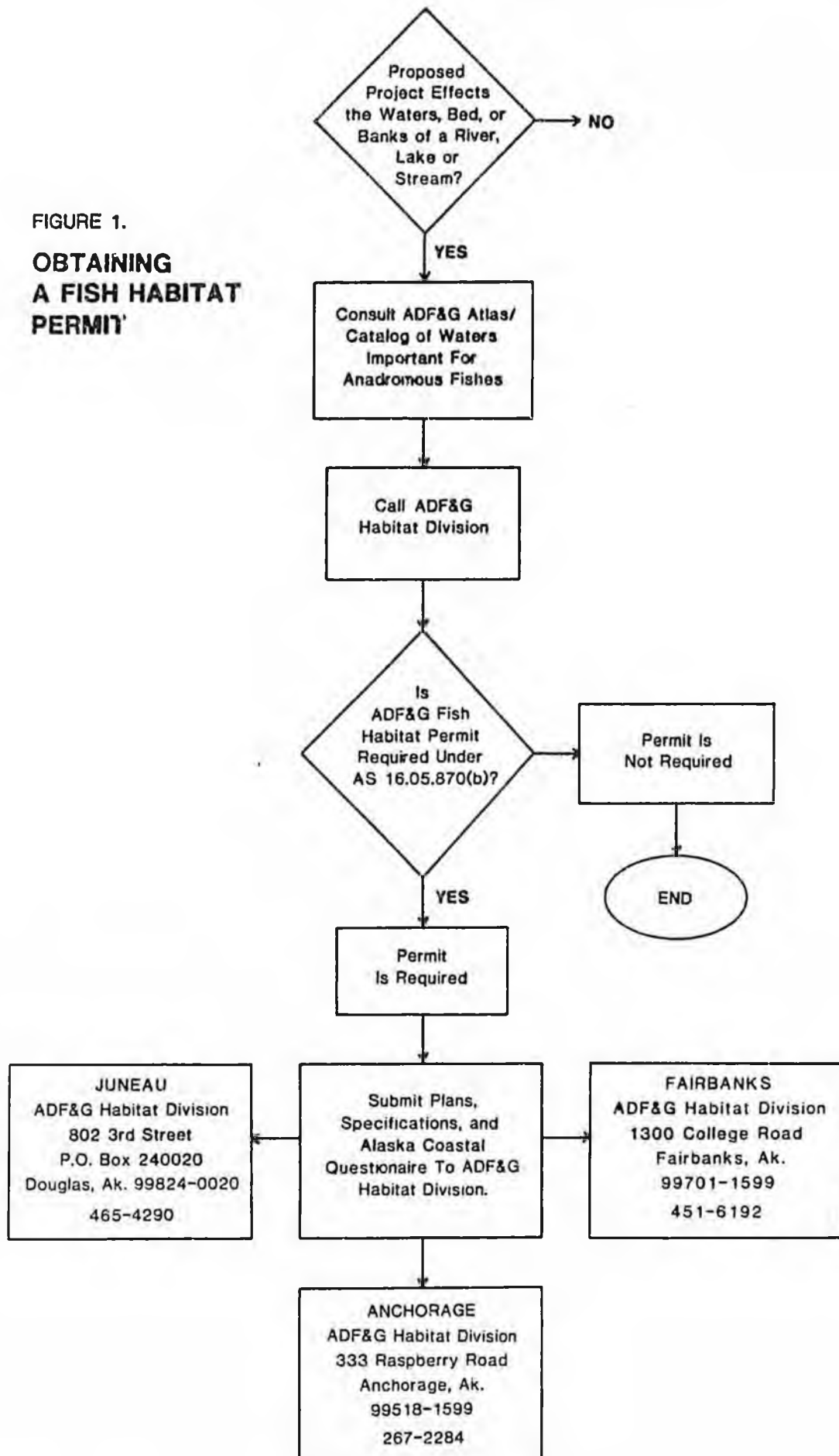
- location of the waterbody;
- type of project (e.g., bridge, culvert, utility line placement, erosion control, gravel removal, placer mining, etc.);
- a project outline of materials, methods and equipment proposed for use (e.g., specifications for construction, design blueprints, type or amount of fill, description of stream at project site, etc.);
- inwater use of wheeled or tracked vehicle (e.g., type and size of vehicle);
- description of proposed or anticipated stream diversions, channelization, or bank alterations;
- removal of material from or deposition in the waterbody;

- description of proposed blasting or use of explosives;
- the approximate project schedule;
- other contractors involved in the project;
- mitigation measures.

Plans for the work are reviewed by Habitat Division personnel and approval given for procedures which have minimal or no harmful effects on anadromous fish or their habitats. In some cases, work may be restricted to certain seasons to avoid interference with fish, or operational methods may be required which would have minimal effect upon spawning and rearing areas. In some instances, damage may be unavoidable and the permit may be withheld or, at the department's discretion, alternative mitigation may be required.

Permits from the United States Army Corps of Engineers, the Alaska Department of Environmental Conservation, and the Alaska Department of Natural Resources as well as the Alaska Department of Fish and Game may be required for certain activities or work in a specific waterbody. Projects within the boundaries of the Alaska Coastal Zone are also reviewed for consistency with the Alaska Coastal Management Program or approved district plans.

FIGURE 1.
OBTAINING
A FISH HABITAT
PERMIT



USERS' GUIDE

Catalog and Atlas Format

The Catalog contains a numerically ordered listing of all of the identified anadromous waterbodies by waterbody number, and a listing of those named waterbodies in alphabetical order. The Atlas to the Catalog illustrates cartographically the documented anadromous fish waterbodies. The Catalog and Atlas are divided into six volumes corresponding to the State's six fish and game resource management regions (Arctic, Interior, Western, Southwest, Southcentral and Southeast) established in 1982 by the Joint Boards of Fisheries and Game (see Figure 2). The figure on the front cover of each Catalog and Atlas shows the geographic area covered within the respective volume.

Limitations

The locational information (latitude-longitude and legal description) and graphic representations for the Catalog and Atlas are derived from the U.S. Geological Survey (USGS) quadrangle maps. The most recent editions of these USGS maps were used, however, many of these quadrangles are now out of date, with channel and coastline configurations having changed since the maps were published. The maps may no longer accurately represent the true geographic location of a stream, lake, or coastline. However, the locations of the stream reaches provided in the Catalog and Atlas were described as accurately as possible and are within the tolerances of the USGS maps. The intent of the locational information is to avoid any ambiguity in referring to a specific stream or lake, and therefore the locations listed in the catalog should be compared to the USGS maps and not to field surveyed or photo-extracted locations. In situations where the waterbody configuration has changed, permits are required for the present waterbody, regardless of its actual distance from the mapped or legally described channel.

In some instances, polygons have been used to delineate areas containing a number of waterbodies supporting anadromous fish that are not possible to depict in a legible and accurate form on 1:63,360 scale maps. Waters within these polygons are highly productive and are generally used by juvenile anadromous fishes for rearing, and therefore, are important to anadromous fishes. Any activity directly affecting waters within these polygons requires a Fish Habitat Permit.

Most surveys are conducted by aircraft for purposes of determining escapement to manage the commercial fisheries. The presence of juvenile fish and the actual upper limit of anadromous fish are not observed during these aerial surveys. Therefore, the upper points of stream reaches recorded on the Atlas' fishery maps usually reflect the extent of fish surveys in a particular waterbody rather than the actual limits of anadromous fish occurrence or of habitat use. In addition, only a limited number of the waterbodies in Alaska have actually been surveyed. Virtually all coastal waters in the state provide important habitat for anadromous fish. Small tributaries, flood channels, intermittent streams and beaver ponds are often used for rearing. Because of their small size or ephemeral nature, most of these systems have not been surveyed and are not included in the Catalog or Atlas. It will be many years before ADF&G has surveyed all of the waterbodies in this state.

October 20, 1993

- 1 SOUTHEASTERN
- 2 SOUTHCENTRAL
- 3 SOUTHWESTERN
- 4 WESTERN
- 5 ARCTIC
- 6 INTERIOR

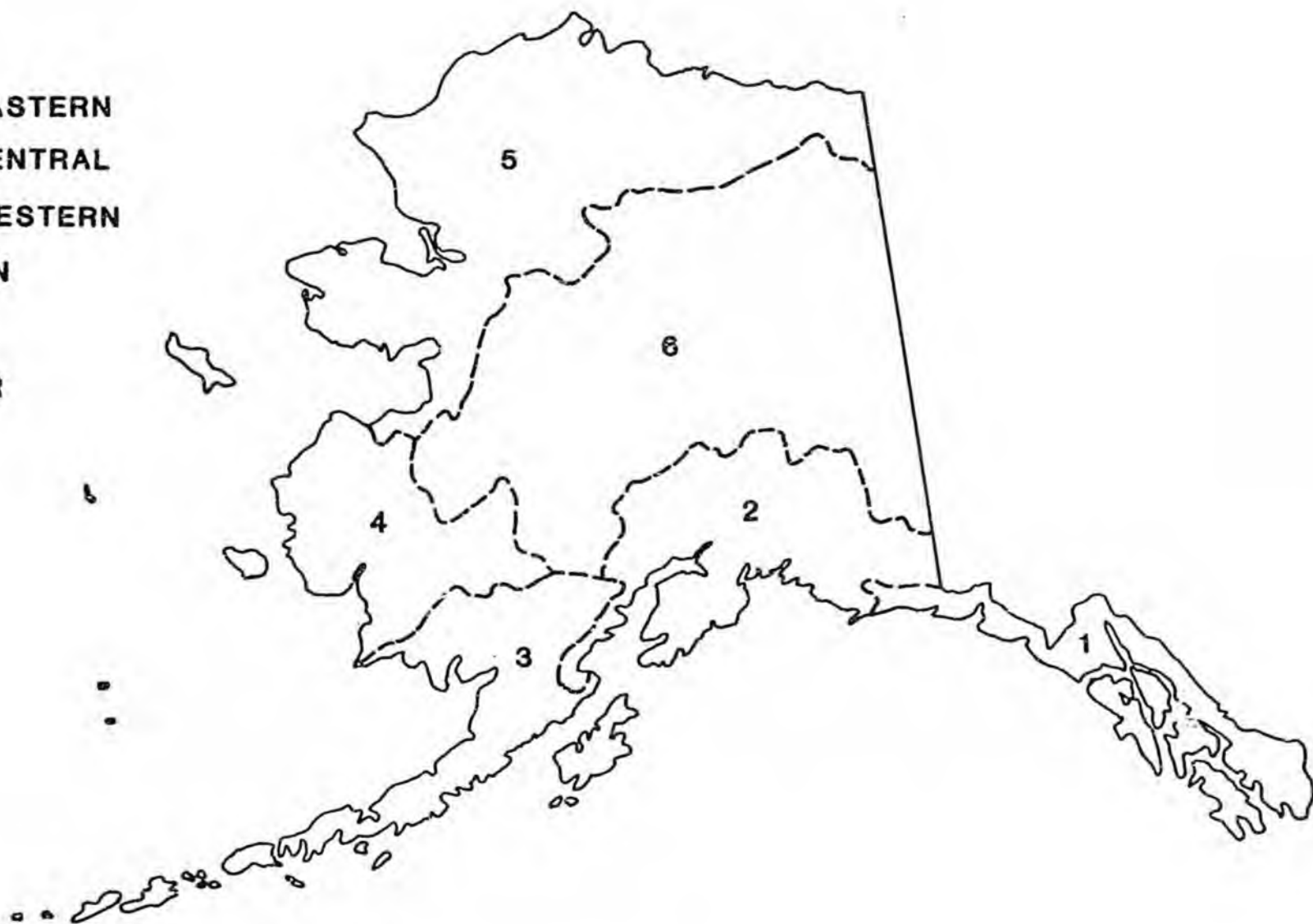


FIGURE 2 REGIONAL BOUNDARIES

Interpretation of the Atlas

The State of Alaska is covered by one hundred and fifty-three 1:250,000 scale U. S. Geological Survey quadrangles (see Figure 3). Most of the 1:250,000 scale quadrangles are further divided into 1:63,360 scale (also known as quadrangles), inch-to-the-mile maps. The 1:250,000 quadrangles have been included in the Atlas to aid the user in locating the 1:63,360 scale maps which contain the anadromous fish waterbody information for the area desired. The inch-to-the-mile maps are used when available for the Atlas. Exceptions are in the Interior, Arctic and Southwest Regions where some 1:250,000 quadrangles have not yet been subdivided by USGS. Where inch-to-the-mile maps do not exist, anadromous fish waterbodies are drawn on 1:250,000 quadrangles.

Anadromous Waters Numbering

Please refer to Figure 4 for the following examples.

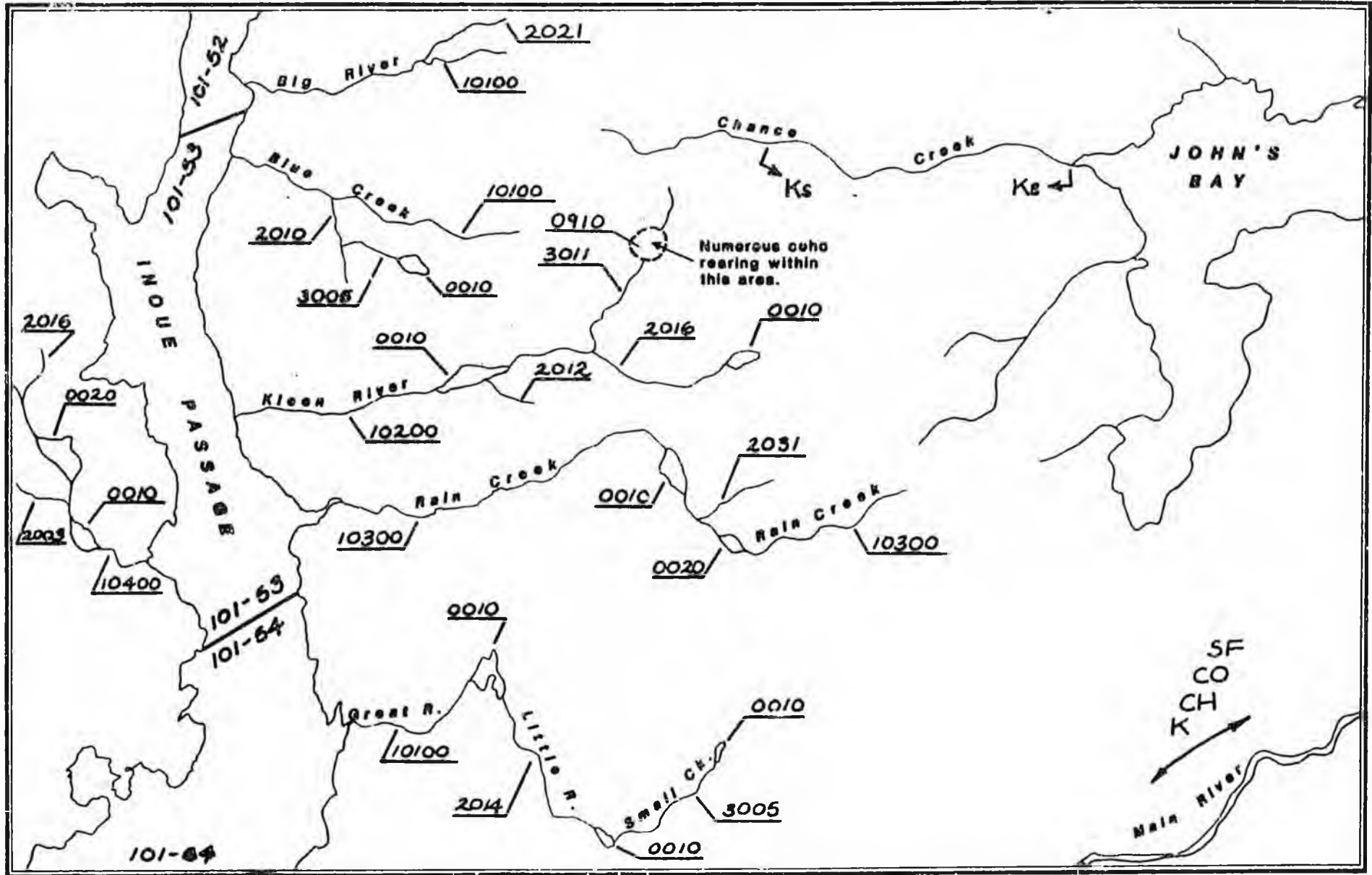
All streams, rivers and lakes have a unique identifying number. The number starts with a body of saltwater identified by the ADF&G statistical fishing district number in use in 1982. Although some of the statistical fishing district numbers have changed, the waterbody numbers will always be based on the 1982 number. Each district has a five digit number (a three digit number and a two digit number separated by a hyphen). The first order streams (those streams which flow into the saltwater) are identified by a five digit number added to the fish district number into which it flows. This second group of five digits is started by the number 1 which signifies a first order or primary stream. For example, Big River (at the top) is 101-52-10100 (101-52 identifies the statistical fishing district and 10100 is the first order stream within that district). A stream branching from this first order stream (second-order) is identified using the same base number (101-52-10100) plus a four digit number indicating that specific

FIGURE 3
1:250,000 QUAD NUMBERS



October 20, 1993

-12-



MAP NO
A-5
OF
96

Symbol	
S	Sockeye Salmon
SO	King Salmon
CO	Chin Salmon
P	Pink Salmon
CH	Chum Salmon
SH	Steelhead Trout
DV	Dolly Varden
AC	Arctic Char
SF	Shadfish
W	Whitefish
CT	Cutthroat Trout
Subscript	1: Eastern Spawning
	2: Evening
	3: Migration

*Migration upstream is assumed for stream reaches where anadromous fish occur

COMPL. DEC
DRAWN CB
REVISED DEC
APPROVED ERL
DATE 4/82
FILE NO



PROJ TITLE
ANADROMOUS WATERS CATALOG
ANADROMOUS WATERS ARE LISTED PURSUANT TO AS 14.05.070 (b)
MAP TITLE
FAIRBANKS (A-5)



BY	DATE
ER	3/1/82

REVISIONS

FIGURE 4 STREAM NUMBERS AND SYME OLOGY

tributary. In the example, this number is 2021 for the tributary which branches to the left on Big River. Therefore, the entire number for the example second order stream is 101-52-10100-2021. Third, fourth and higher order streams are numbered in the same way by adding a four digit number for each branch. The first digit for each branch sequence always indicates the stream order. By definition, the last digit in the number sequence used to identify second and higher order streams is even numbered if the tributary branches to the right (facing upstream) and odd numbered if it branches to the left. Because of space limitations on the maps, only the number sequence identifying a specific tributary is written next to that tributary; however, the entire number sequence down to the statistical fishing district number can be determined by following the waterway. The entire number sequence is used in the Catalog.

Lakes are designated by a number sequence with a first digit of 0. In the example shown for the Blue Creek drainage, a lake occurs along a third order stream. Therefore, the lake number incorporates the third order stream number (101-53-10100-2010-3005) plus the four digit lake identifier (0010) to give the lake the unique identification number 101-53-10100-2010-3005-0010.

Polygons are designated by a four digit number sequence beginning with 09. Since polygons are used only in special circumstances, polygons will be numbered, whenever possible, with the stream number on which the polygon is located, and the polygon designation 0910. For example, a tributary to the Kleen River has a polygon adjoining it. The number of the polygon would contain the stream number (101-53-10200-2016-3011) along with the polygon designation (0910) to give the polygon the unique identification number 101-53-10200-2016-3011-0910.

There are four possible lake-river systems. In the first system, the outlet river is named in this example, "Kleen River", and the named river does not continue above the lake. The first order outlet river is numbered with the statistical fishing district

number 101-53, and the first order number 10200. The lake above this first order river retains the base number, 101-53-10200, adding the lake identifier, 0010. All tributaries flowing into the lake retain the base number of the first order stream, adding second order identifiers. The lake above the second order tributary has the same number as the secondary tributary, with an added lake number: 101-53-10200-2016-0010. Any streams flowing into this lake would be third order and would be numbered accordingly.

In the second lake-river system, Rain Creek continues through a series of lakes. Therefore, each lake is numbered with the tributary number 101-53-10300, and its unique lake number, 0010 for the first lake, 0020 for the second. Tributaries branching from either Rain Creek or the lakes are designated with second order numbers added to the base number.

The river in the third lake-river system is not named, however, it has a distinct main channel with tributaries (see left side of Inoue Passage). Therefore, numbering is the same as in the second system: each lake is numbered from the main channel with an added lake number (101-53-10400-0010, for the first lake, 101-53-10400-0020 for the second lake).

In the fourth example Great River, Little River and Small Creek are numbered as first, second and third order tributaries, respectively. The lake above each tributary has the same number as the tributary below with an added lake number. In this example, the first lake (above the first order tributary, Great River) is 101-54-10100-0010, the second lake (above the second order tributary, Little River) is 101-54-10100-2014-0010, and the third lake (above the third order tributary, Small Creek) is 101-54-10100-2014-3005-0010.

Symbols

The number on the lower left corner of the maps identifies the 1:63,360 scale quadrangle of the 1:250,000 scale quadrangle. (Numbers for the 1:250,000 scale quadrangles are identified on Figure 3). The legend on the bottom of each map contains the symbols for each fish species. Some maps also contain a symbol (◆) which represents streams in which the area of documented fish habitat was too short to accurately map (less than 660 feet) at the 1:63,360 scale. The upper limit of the survey or the existence of a barrier are reasons for the short terminus in most cases.

Arrows on the maps delimit the distribution of the fish in the waterbody. A single arrow at the beginning of the stream shows which fish migrate upstream. Arrows at upper regions indicate the highest point where the fish species are currently known to occur (see king salmon spawning on Chance Creek, Figure 4). Double arrows pointing in opposite directions are usually added to clarify information and to indicate that the range of the anadromous fish continues onto adjacent maps (see king, chum, coho salmon and sheefish migrating on Main River).

Interpretation of the Catalog

Waterbodies by Number

Each river, stream, lake or polygon in the Catalog of Waters Important for the Spawning, Rearing or Migration of Anadromous Fish is listed on two lines. The first line contains the waterbody number and information about the location of the mouth of the waterbody. The second line lists the waterbody name (if known) and locates the upper point. Column headings occur at the top of each page. For example, Grant Creek would be listed:

WATERBODY NO.	MAP SHEET	LAT./LONG	LEGAL
101-75-10100	Bradfield Canal A-4	56 2 21 131 12 45	C 67S 92E 20
Grant Creek	Bradfield Canal A-5	56 6 31 131 20 40	C 66S 91E 33

The first line gives:

1. the waterbody number (101-75-10100);
2. the quadrangle name containing the mouth of the waterbody (Bradfield Canal A-4);
3. the latitude-longitude of the mouth of the waterbody (56 degrees, 2 minutes, 21 seconds latitude, 131 degrees, 12 minutes, 45 seconds longitude);
4. the legal description of the waterbody mouth, given by meridian (Copper River), township (67S), range (92E), and section (20).

The second line gives:

1. the waterbody name, if known (Grant Creek);
2. the quadrangle name containing the waterbody's upper point, if different from the quadrangle containing the mouth (Bradfield Canal A-5);
3. the latitude-longitude of the upper point;
4. the legal description of the upper point.

Lakes and polygons will not have mouths or upper points. Therefore, the location information contained in the first line reflects a point near the middle of the lake or polygon on that particular quadrangle map. Where a lake occurs on several quadrangle maps, only one quad will be listed. The second line will then list only the lake or polygon name if known.

Waters by Name

To reference an anadromous water by name, there is an alphabetical listing of those known named rivers, streams and lakes as they are named on the USGS Quads in the back portion of the catalog.

Sources

Sources of information for the 1982 revision of the Catalog and Atlas of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes were the following:

ADF&G "Alaska's Fisheries Atlas" (1978).

ADF&G field notes from area and regional offices and various.
ADF&G individual reports.

U.S. Forest Service.

U.S. Fish and Wildlife Service.

Revised Anadromous Fish Stream Catalog of Southeastern Alaska (1977) by John Edgington, Robert Larson, Jim Eastwood and Paul Novak.

Bureau of Land Management survey notes.

Index to Northslope Stream and Lake Surveys (1982) by Terry Bendock and John Burr.

Since the 1982 revision the Catalog and Atlas have been revised annually with information on anadromous waters being provided by various state and federal agencies, private companies and individuals.

Update Procedures

Updating procedures for the Catalog and Atlas allow for continuous revisions. Waterbodies can be added or deleted and the upper range of anadromous waterbodies changed as more current surveys document the presence or absence of anadromous fish. Proposals for additions or changes to the Catalog and Atlas can be made by ADF&G

personnel, private individuals and other agencies. All proposed changes or additions will be field checked or approved by ADF&G.

Proposals for revisions to the Catalog, including addition of newly identified anadromous waterbodies, deletion of waterbodies determined to not contain anadromous fish, or changes to the upper points, should be submitted to:

Alaska Department of Fish and Game
Habitat Division
333 Raspberry Road
Anchorage, Alaska 99518-1599

The proposed revision must include a nomination form which lists the name and location of the waterbody, the fish species using the waterbody, the date the fish were observed and the life stages for which the waterbody is being used and any other clarifying information. The nomination form, which is available through the Habitat Division's regional offices, must be signed by the person submitting the proposed revision. A map showing the mouth of the waterbody and the upper known extent of anadromous fish usage must be included for each change. The waterbody should be located on a 1:63,360 scale USGS map (or 1:250,000 scale if 1:63,360 scale is unavailable for the area). The species using the waterbody must be specified and the activities for which the waterbody is used (migration, spawning, or rearing) should be specified if known.

Changes to the Catalog and Atlas will be made in accordance with the regulation adopting procedures of the Administrative Procedures Act (AS 44.62). It is anticipated that the Catalog and Atlas will be revised annually.

Definitions

1. "Anadromous fish" means fish that enter fresh water from the sea for spawning purposes; these include the anadromous forms of char, rainbow trout, sheefish, smelt, lamprey, whitefish, sturgeon, cutthroat trout, and salmon.
2. "Waters" or "Waterbody" means a river, lake, or stream from its mouth to its uppermost reach as it is presently listed in this Catalog and depicted in the Atlas and includes all distributaries, sloughs and backwaters adjoining the listed waters, and that portion of the streambed or lakebed covered by ordinary high water.
3. "Atlas" means The Atlas to the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes.
4. "Braided stream" means a river or stream consisting of intertwined branches or collateral channels as further characterized by the successive division and rejoining of two or more interconnected channels separated by bars or islands.
5. "Catalog" means the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes.
6. "Migration" means the predictable, purposeful, or seasonal movement of fish, unrestricted by other than natural influences.
7. "Mouth" means a line drawn between the seaward extremities of the exposed tideland banks of any stream at mean lower low water.
8. "Permit" means the approval of the plans and specifications required by AS 16.05.840--16.05.870.

9. "Pollute" means causing alteration of a stream, river, or lake to the extent that the water fails to meet the water quality standards of the Department of Environmental Conservation set forth in 18 AAC 70.010-110.
10. "Portion of the streambed or lakebed covered by ordinary high water" means (1) in the portion above the high tide, the stream and exposed banks, except that if the stream is braided the exposed stream bed and banks are delimited by the natural vegetation bordering the most distant channels; and (2) in the portion below the mean high tide and the mouth, the stream between the tideland banks exposed at lower low water.
11. "Rearing" means the developmental life phase of a fish from incubation of eggs to adult.
12. "Regional and area office" means the Alaska Department of Fish and Game, Habitat Division. offices located as follows:

Region I - Southeast

Post Office Box 20
Douglas, Alaska 99824-0020
(465-4290)

2030 Sea Level Drive, Suite 205
Ketchikan, Alaska 99901
(225-2027)

304 Lake Street. Room 103
Sitka, Alaska 99835-7563
(747-5828)

Post Office Box 667
Petersburg, Alaska 99833-0667
(772-3801)

Region II - Southcentral, Southwest and Western

333 Raspberry Road
Anchorage, Alaska 99518-1599
(267-2284)

Region III - Arctic and Interior

1300 College Road
Fairbanks, Alaska 99701-1599
451-6192

13. "Spawning" means deposition or fertilization of eggs, including preparation for deposition or fertilization.

Stream/lake	Map Sheet	Lat.	Long.	Legal
334-30-11000 Yukon River	RUSSIAN MISSION C-8 UNALAKLEET C-1	61 36 57 63 38 21	161 42 1 159 22 38	S 18N 69W25 K 21S 4W26
334-30-11000-2201 Koko Creek	RUSSIAN MISSION D-7	61 51 31 61 56 45	161 19 47 161 21 47	S 20N 67W 1 S 21N 66W 3
334-30-11000-2201-0010 Koko Lake	RUSSIAN MISSION D-7	61 51 24	161 20 44	S 20N 67W 1
334-30-11000-2366 Twelvemile Slough	RUSSIAN MISSION D-5 RUSSIAN MISSION D-3	61 56 23 61 55 11	160 30 28 160 7 6	S 21N 61W 5 S 21N 59W 9
334-30-11000-2401	RUSSIAN MISSION D-4	61 57 51 61 59 18	160 14 27 160 12 22	S 22N 60W26 S 22N 60W24
334-30-11000-2422 Paimiut Slough	RUSSIAN MISSION D-4 HOLY CROSS A-2	61 56 24 62 13 4	160 8 41 159 33 15	S 21N 59W 5 S 25N 55W31
334-30-11000-2422-3121 Innoko Slough	HOLY CROSS A-2	62 0 24 62 12 18	159 37 17 159 37 20	S 22N 56W 7 S 24N 56W 6
334-30-11000-2422-3160	HOLY CROSS A-1	62 5 13 62 3 48	159 26 15 159 19 15	S 23N 55W18 S 23W 55W23
334-30-11000-2422-3160-0010	HOLY CROSS A-1	62 4 56	159 22 30	S 23N 55W16
334-30-11000-2422-3180 Reindeer River	HOLY CROSS A-1	62 7 58 62 9 54	159 27 21 159 10 39	S 24N 56W36 S 24N 54W16
334-30-11000-2422-3180-0010 Reindeer Lake	HOLY CROSS A-1	62 8 21	159 22 42	S 24N 55W28
334-30-11000-2422-3180-4021	HOLY CROSS A-1 HOLY CROSS B-2	62 9 50 62 16 40	159 25 21 159 32 9	S 24N 55W18 S 25N 55W 7
334-30-11000-2422-3180-4021-0020	HOLY CROSS B-2	62 16 1	159 30 43	S 25N 55W 8
334-30-11000-2422-3180-4021-0030	HOLY CROSS B-2	62 16 54	159 31 52	S 25N 55W 5
334-30-11000-2471	HOLY CROSS A-3	62 3 26 62 4 54	160 1 9 160 5 43	S 23N 59W25 S 23N 59W16
334-30-11000-2522 Red Wing Slough	HOLY CROSS A-2	62 8 11 62 10 58	159 44 24 159 40 10	S 24N 57W28 S 24W 57W11
334-30-11000-2532 Innoko River	HOLY CROSS A-2 OPHIR A-1	62 11 47 63 6 0	159 43 3 156 25 39	S 24N 57W 3 K 27S 13E32
334-30-11000-2532-3021	HOLY CROSS A-2 HOLY CROSS B-2	62 11 47 62 19 8	159 33 34 159 33 17	S 24N 57W 1 S 26N 55W30
334-30-11000-2532-3170	HOLY CROSS B-2	62 28 0 62 28 12	159 33 24 159 34 9	S 28N 55W31 S 28N 56W36
334-30-11000-2532-3170-0010	HOLY CROSS B-2	62 28 40	159 33 24	S 28N 55W31
334-30-11000-2532-3200	HOLY CROSS C-2	62 32 6 62 32 7	159 33 28 159 33 12	S 28N 55W 7 S 28N 55W 7
334-30-11000-2532-3200-0010	HOLY CROSS C-2	62 32 22	159 31 49	S 28N 55W
334-30-11000-2532-3211	HOLY CROSS C-2	62 32 25 62 35 54	159 36 16 159 45 24	S 28N 56W 2 S 29N 56W15
334-30-11000-2532-3211-0010	HOLY CROSS C-2	62 31 17	159 37 50	S 28N 56W15
334-30-11000-2532-3211-4031	HOLY CROSS C-2	62 33 5 62 30 53	159 42 30 159 48 44	S 28N 56W 5 S 28N 57W15
334-30-11000-2532-3211-4041	HOLY CROSS C-2	62 33 56 62 35 8	159 42 15 159 48 32	S 29N 56W36 S 29N 56W20
334-30-11000-2532-3281	HOLY CROSS C-2	62 39 59 62 39 57	159 33 49 159 53 30	S 30N 55W27 S 30N 57W25
334-30-11000-2532-3361 Shageluk Slough	HOLY CROSS D-2 UNALAKLEET A-2	62 48 10 63 3 37	159 34 17 159 44 57	S 31N 55W 3 K 28S 6W14
334-30-11000-2532-3391	HOLY CROSS D-1	62 50 3 62 51 8	159 22 59 159 27 14	S 32N 54W27 S 32N 54W20
334-30-11000-2532-3391-0010	HOLY CROSS D-1	62 51 55	159 26 53	S 32N 54W17
334-30-11000-2532-3420	HOLY CROSS D-1	62 53 9 62 53 52	159 20 21 159 18 20	S 32N 54W 2 S 32N 54W 1
334-30-11000-2532-3420-0010	HOLY CROSS D-1	62 53 27	159 17 18	S 32N 53W 6
334-30-11000-2532-3430	HOLY CROSS D-1	62 54 39 62 54 57	159 21 20 159 19 39	S 33N 53W33 S 33N 53W28
334-30-11000-2532-3430-0010	HOLY CROSS D-1	62 55 32	159 20 1	S 33N 53W28
334-30-11000-2532-3430-0020	HOLY CROSS D-1	62 56 30	159 18 57	S 33N 53W22

Stream/lake	Map Sheet	Lat.	Long.	Legal
334-30-11000-2532-3471 Holikachuk Slough	HOLY CROSS D-1 HOLY CROSS D-2	62 55 10 62 57 38	159 28 1 159 32 11	S 33N 54W26 S 33N 54W 9
334-30-11000-2532-3471-4030 Sucker Creek	HOLY CROSS D-2 UNALAKLEET A-1	62 57 38 63 6 41	159 32 7 159 18 30	S 33N 54W 9 K 27S 3W31
334-30-11000-2532-3471-4030-5021	HOLY CROSS D-2 UNALAKLEET A-2	62 59 29 63 1 27	159 31 49 159 41 43	S 34N 54W33 K 28S 5W31
334-30-11000-2532-3500 Iditarod River	OPHIR A-6 IDITAROD B-5	63 1 48 62 27 56	158 45 56 158 13 37	K 28S 1W25 S 27N 48W 5
334-30-11000-2532-3500-4050 Yetna River	OPHIR A-5	63 10 41 63 7 30	158 15 58 158 15 30	K 27S 3E 3 K 27S 3E27
334-30-11000-2532-3500-4209 Otter Creek	IDITAROD B-5 IDITAROD C-4	62 27 56 62 31 3	158 13 37 157 42 48	S 27N 48W 5 S 28N 46W13
334-30-11000-2532-3551 Mud River	OPHIR C-4	63 39 59	157 41 48	K 21S 6E15
334-30-11000-2532-3551-4101 Little Mud River	OPHIR D-4 NULATO A-4	63 48 4 64 0 30	157 45 30 157 52 13	K 19S 6E31 K 17S 5E22
334-30-11000-2532-3551-4101-5301 Illinois Creek	NULATO A-4	64 0 31 64 2 24	157 52 13 157 52 1	K 17S 5E22 K 17S 5E 3
334-30-11000-2532-3600 Dishna River	OPHIR C-3 IDITAROD C-4	63 36 19 62 36 45	157 17 6 157 30 44	K 22S 8E 3 S 29N 44W10
334-30-11000-2532-3600-4021 Tolstoi Creek	OPHIR B-3 OPHIR A-3	63 27 6 63 4 6	157 15 39 157 4 41	K 23S 8E35 K 28S 9E14
334-30-11000-2532-3600-4051 Windy Creek	IDITAROD D-4 IDITAROD D-3	62 54 21 62 53 4	157 30 59 157 13 3	S 33N 43W31 S 32N 42W 7
334-30-11000-2532-3600-4051-5020 California Creek	IDITAROD D-3	62 52 25 62 50 8	157 21 12 157 17 28	S 32N 43W 9 S 32N 43W26
334-30-11000-2532-3600-4051-5020-6009	IDITAROD D-3	62 51 32 62 50 57	157 20 9 157 17 25	S 32N 43W16 S 32N 43W23
334-30-11000-2532-3600-4051-5020-6015	IDITAROD D-3	62 50 53 62 50 32	157 19 42 157 17 22	S 32N 43W22 S 32N 43W23
334-30-11000-2532-3600-4065	IDITAROD D-3	62 50 22 62 49 10	157 26 20 157 22 30	S 32N 44W25 S 32N 43W32
334-30-11000-2532-3621 North Fork Innoko River	OPHIR D-2 OPHIR D-1	63 49 15 63 57 27	156 37 14 156 18 39	K 19S 11E25 K 18S 13E 3
334-30-11000-2532-3661 Hunch Creek	OPHIR C-1	63 40 45 63 40 46	156 22 19 156 19 39	K 21S 13E 9 K 21S 13E10
334-30-11000-2532-3681 Folger Creek	OPHIR C-1	63 33 0 63 31 19	156 23 12 156 21 39	K 22S 13E29 K 23S 13E 4
334-30-11000-2532-3700 American Creek	OPHIR A-2	63 13 51 63 13 57	156 41 19 156 42 18	K 26S 11E13 K 26S 11E14
334-30-11000-2532-3716 Beaver Creek	OPHIR A-2	63 9 39 63 8 40	156 40 43 156 40 58	K 27S 11E12 K 27S 11E13
334-30-11000-2532-3746 Ganes Creek	OPHIR A-1 IDITAROD D-2	63 5 58 62 51 56	156 25 38 156 45 28	K 27S 13E32 S 32N 40W15
334-30-11000-2551 Koserefski River	HOLY CROSS A-2 HOLY CROSS A-3	62 14 34 62 13 56	159 58 6 160 12 27	S 25N 58W23 S 25N 59W27
334-30-11000-2551-3021	HOLY CROSS A-3	62 12 34 62 9 43	160 7 42 160 15 55	S 25N 59W36 S 24N 60W22
334-30-11000-2551-3021-4020	HOLY CROSS A-3	62 10 36 62 11 31	160 14 11 160 13 45	S 24N 60W14 S 24N 60W10
334-30-11000-2551-3021-4020-5010	HOLY CROSS A-3	62 11 7 62 11 1	160 15 34 160 14 29	S 24N 60W10 S 24N 60W11
334-30-11000-2551-3021-4020-5020	HOLY CROSS A-3	62 11 17 62 11 37	160 15 33 160 14 48	S 24N 60W10 S 24N 60W 3
334-30-11000-2651 Bonasila River	HOLY CROSS C-3 HOLY CROSS D-5	62 32 0 62 51 20	160 12 32 161 13 27	S 28N 59W10 S 32N 64W23
334-30-11000-2651-3251 Stuyahok River	HOLY CROSS B-4 HOLY CROSS A-4	62 28 16 62 5 1	160 49 24 160 51 15	S 28N 62W32 S 23N 63W17
334-30-11000-2651-3251-4030	HOLY CROSS A-4	62 12 13 62 10 6	160 43 7 160 48 59	S 24N 62W 6 S 24N 63W15
334-30-11000-2651-3251-4050	HOLY CROSS A-4	62 5 23 62 6 47	160 50 20 160 51 33	S 23N 63W16 S 23N 63W 5
334-30-11000-2651-3291 Hawk River	HOLY CROSS C-4 HOLY CROSS B-5	62 30 6 62 27 16	160 52 51 161 12 50	S 28N 63W24 S 27N 64W 6
334-30-11000-2651-3331 Roberts Creek	HOLY CROSS C-4	62 37 49 62 37 49	160 52 52 160 57 58	S 29N 62W 3 S 29N 62W 6
334-30-11000-2651-3331-4011	HOLY CROSS C-4	62 37 42 62 36 43	160 55 54 160 56 21	S 29N 62W 4 S 29N 62W 8
334-30-11000-2651-3344	HOLY CROSS C-4 HOLY CROSS D-5	62 42 0 62 46 48	160 56 19 161 1 17	S 30N 62W 8 S 31N 63W13

Stream/lake	Map Sheet	Lat.	Long.	Legal
334-30-11000-2651-3351 Jackson Creek	HOLY CROSS C-5	62 42 55 62 40 2	161 1 28 161 9 12	S 30N 63W 1 S 30N 63W30
334-30-11000-2651-3360	HOLY CROSS D-5	62 46 17 62 53 22	161 2 21 161 9 1	S 31N 63W14 S 32N 63W 5
334-30-11000-2651-3360-4009	HOLY CROSS D-5	62 47 22 62 47 53	161 3 42 161 5 52	S 31N 63W10 S 31N 63W 9
334-30-11000-2651-3360-4015	HOLY CROSS O-5	62 48 23 62 49 46	161 3 47 161 8 1	S 31N 63W 3 S 32N 63W29
334-30-11000-2651-3360-4015-5009	HOLY CROSS D-5	62 48 58 62 49 10	161 6 9 161 8 7	S 32N 63W33 S 32N 63W32
334-30-11000-2651-3360-4022	HOLY CROSS D-5	62 49 55 62 50 51	161 2 58 161 1 58	S 32N 63W26 S 32N 63W23
334-30-11000-2651-3360-4033	HOLY CROSS D-5	62 52 24 62 52 34	161 8 4 161 9 43	S 32N 63W 8 S 32N 63W 7
334-30-11000-2651-3360-4033-5007	HOLY CROSS D-5	62 52 27 62 52 14	161 9 26 161 9 57	S 32N 63W 7 S 32N 63W18
334-30-11000-2651-3364	HOLY CROSS D-5	62 46 38 62 48 0	161 4 34 161 6 42	S 31N 63W15 S 31N 63W 4
334-30-11000-2651-3368	HOLY CROSS D-5	62 46 32 62 48 9	161 5 26 161 8 33	S 31N 63W16 S 31N 63W 5
334-30-11000-2651-3368-4011	HOLY CROSS D-5	62 47 14 62 47 37	161 7 19 161 9 15	S 31N 63W 8 S 31N 63W 7
334-30-11000-2651-3373	HOLY CROSS D-5	62 46 2 62 45 14	161 6 21 161 7 3	S 31N 63W21 S 31N 63W28
334-30-11000-2651-3379	HOLY CROSS D-5	62 45 54 62 45 19	161 6 50 161 11 17	S 31N 63W21 S 31N 64W24
334-30-11000-2701 Anvik River	HOLY CROSS C-3 UNALAKLEET C-3	62 40 53 63 35 15	160 12 3 160 9 21	S 30N 58W20 K 22S 8W14
334-30-11000-2701-3060 Goblet Creek	HOLY CROSS C-4	62 42 53 62 45 0	160 34 7 160 31 17	S 30N 60W 5 S 31N 60W27
334-30-11000-2701-3081 Theodore Creek	HOLY CROSS C-4 HOLY CROSS D-4	62 44 54 62 47 1	160 43 7 160 52 10	S 31N 61W28 S 31N 62W15
334-30-11000-2701-3095 Beaver Creek	HOLY CROSS D-4 UNALAKLEET A-5	62 50 36 63 0 59	160 43 10 161 5 34	S 32N 61W21 K 28S 13W35
334-30-11000-2701-3095-4010	HOLY CROSS D-4	62 51 54 62 52 13	160 50 25 160 51 34	S 32N 62W14 S 32N 62W14
334-30-11000-2701-3095-4021	HOLY CROSS D-4	62 51 16 62 50 49	160 52 49 160 55 34	S 32N 62W22 S 32N 62W21
334-30-11000-2701-3095-4041 Willow Creek	HOLY CROSS D-4 HOLY CROSS D-5	62 52 30 62 52 41	160 58 32 161 2 7	S 32N 62W 7 S 32N 63W11
334-30-11000-2701-3095-4051 Short Creek	HOLY CROSS D-4 HOLY CROSS D-5	62 52 59 62 54 38	160 58 9 161 1 12	S 32N 62W 7 S 33N 62W34
334-30-11000-2701-3095-4060	HOLY CROSS D-4	62 55 3 62 55 26	160 57 33 160 57 12	S 33N 62W25 S 33N 62W25
334-30-11000-2701-3095-4069	HOLY CROSS D-4 HOLY CROSS D-5	62 57 38 62 57 43	160 59 5 161 2 50	S 33N 62W11 S 33N 62W 9
334-30-11000-2701-3095-4069-5009	HOLY CROSS D-5	62 57 38 62 57 16	161 0 12 161 0 0	S 33N 62W11 S 33N 62W14
334-30-11000-2701-3095-4071	HOLY CROSS D-4	62 57 52 62 57 59	160 59 14 160 59 54	S 33N 62W11 S 33N 62W11
334-30-11000-2701-3095-4081	HOLY CROSS D-4	62 58 26 62 58 22	160 59 28 161 0 0	S 33N 62W 2 S 33N 62W 2
334-30-11000-2701-3095-4091	HOLY CROSS D-4	62 58 54 62 58 54	160 59 24 160 59 56	S 33N 62W 2 S 33N 62W 2
334-30-11000-2701-3095-4111	HOLY CROSS D-4	62 59 7 62 59 9	160 59 32 160 59 56	S 33N 62W 2 S 33N 62W 2
334-30-11000-2701-3095-4120	UNALAKLEET A-5 UNALAKLEET A-4	63 0 7 63 1 26	161 0 23 160 59 35	K 29S 12W 5 K 28S 12W32
334-30-11000-2701-3095-4130	UNALAKLEET A-5	63 1 14 63 2 0	161 3 40 161 3 48	K 28S 13W36 K 28S 13W25
334-30-11000-2701-3104	HOLY CROSS D-4	62 51 20 62 51 15	160 41 56 160 39 8	S 32N 61W22 S 32N 61W23
334-30-11000-2701-3104-4011	HOLY CROSS D-4	62 51 20 62 51 50	160 40 18 160 39 36	S 32N 61W23 S 32N 61W14
334-30-11000-2701-3111	HOLY CROSS D-4	62 51 57 62 52 58	160 42 46 160 45 26	S 32N 61W15 S 32N 61W 8
334-30-11000-2701-3120 Yellow River	HOLY CROSS D-4 UNALAKLEET B-3	62 55 21 63 18 13	160 40 53 160 9 22	S 33N 60W28 K 25S 8W23
334-30-11000-2701-3120-4040	HOLY CROSS D-4	62 55 43 62 55 20	160 40 21 160 36 10	S 33N 60W21 S 33N 60W26

Stream/lake	Map Sheet	Lat.	Long.	Legal
334-30-11000-2701-3120-4060	HOLY CROSS D-4	62 56 19 62 56 27	160 39 21 160 33 32	S 33N 60W22 S 33N 59W19
334-30-11000-2701-3120-4060-5011	HOLY CROSS D-4	62 56 54 62 57 14	160 34 30 160 33 28	S 33N 60W13 S 33N 59W18
334-30-11000-2701-3120-4091	HOLY CROSS D-4 UNALAKLEET A-4	62 58 37 63 0 46	160 34 51 160 38 1	S 33N 60W 1 K 28S 10W31
334-30-11000-2701-3120-4131	UNALAKLEET A-3	63 1 29 63 5 26	160 23 51 160 26 35	K 28S 9W33 K 28S 9W 5
334-30-11000-2701-3120-4140	UNALAKLEET A-3	63 1 45 63 2 29	160 21 51 160 14 53	K 28S 9W27 K 28S 8W29
334-30-11000-2701-3120-4161	UNALAKLEET A-3	63 4 24 63 4 49	160 18 57 160 19 7	K 28S 9W11 K 28S 9W11
334-30-11000-2701-3120-4170	UNALAKLEET A-3	63 5 20 63 4 48	160 16 29 160 13 53	K 28S 8W 6 K 28S 8W 8
334-30-11000-2701-3120-4181	UNALAKLEET A-3 UNALAKLEET B-3	63 5 55 63 15 11	160 16 0 160 20 59	K 28S 8W 6 K 26S 9W10
334-30-11000-2701-3120-4181-5011	UNALAKLEET A-3	63 7 20 63 7 39	160 17 16 160 21 29	K 27S 9W25 K 27S 9W27
334-30-11000-2701-3120-4181-5011-6011	UNALAKLEET A-3	63 7 21 63 6 56	160 19 54 160 20 41	K 27S 9W26 K 27S 9W26
334-30-11000-2701-3120-4181-5040	UNALAKLEET A-3	63 11 11 63 11 57	160 20 12 160 17 10	K 26S 9W35 K 26S 9W36
334-30-11000-2701-3120-4181-5040-6010	UNALAKLEET A-3	63 11 23 63 11 18	160 19 42 160 16 58	K 26S 9W35 K 26S 8W31
334-30-11000-2701-3120-4181-5049	UNALAKLEET A-3	63 11 22 63 11 25	160 20 55 160 24 2	K 26S 9W34 K 26S 9W33
334-30-11000-2701-3120-4181-5060	UNALAKLEET A-3	63 13 6 63 14 4	160 20 18 160 18 46	K 26S 9W23 K 26S 9W13
334-30-11000-2701-3120-4251	UNALAKLEET B-3	63 15 49 63 18 13	160 10 12 160 10 51	K 26S 8W 3 K 25S 8W22
334-30-11000-2701-3131	HOLY CROSS D-4	62 56 5 62 56 8	160 41 18 160 48 42	S 33N 60W20 S 33N 61W23
334-30-11000-2701-3151	HOLY CROSS D-4	62 58 19 62 58 25	160 42 25 160 43 35	S 33N 60W 5 S 33N 60W 6
334-30-11000-2701-3171 Runkels Creek	UNALAKLEET A-4	63 0 19 63 2 1	160 43 27 160 48 34	K 29S 11W 2 K 28S 11W29
334-30-11000-2701-3171-4030	UNALAKLEET A-4	63 2 9 63 2 22	160 47 44 160 48 44	K 28S 11W29 K 28S 11W29
334-30-11000-2701-3200	UNALAKLEET A-4	63 3 51 63 3 45	160 41 53 160 39 3	K 28S 11W14 K 28S 10W18
334-30-11000-2701-3200-4011	UNALAKLEET A-4	63 4 7 63 4 38	160 41 2 160 40 19	K 28S 11W13 K 28S 11W12
334-30-11000-2701-3211 Swift River	UNALAKLEET A-4 UNALAKLEET A-5	63 4 20 63 4 19	160 42 54 161 5 42	K 28S 11W11 K 28S 13W11
334-30-11000-2701-3211-4021	UNALAKLEET A-4	63 4 15 63 3 3	160 46 27 160 51 18	K 28S 11W 9 K 28S 11W19
334-30-11000-2701-3211-4031	UNALAKLEET A-4	63 5 5 63 4 33	160 48 14 160 53 26	K 28S 11W 8 K 28S 12W11
334-30-11000-2701-3211-4041	UNALAKLEET A-4	63 6 21 63 6 20	160 49 37 160 52 37	K 27S 11W31 K 27S 12W36
334-30-11000-2701-3211-4051	UNALAKLEET A-4	63 7 55 63 2 47	160 51 49 160 58 45	K 27S 12W24 K 29S 12W21
334-30-11000-2701-3211-4051-5020	UNALAKLEET A-4	63 6 1 63 6 9	160 55 54 160 57 55	K 27S 12W34 K 27S 12W33
334-30-11000-2701-3211-4051-5030	UNALAKLEET A-4	63 4 12 63 4 22	160 58 16 160 59 55	K 28S 12W16 K 28S 12W 8
334-30-11000-2701-3211-4051-5040	UNALAKLEET A-4	63 3 41 63 3 9	160 59 1 161 0 0	K 26S 12W17 K 28S 12W20
334-30-11000-2701-3211-4058	UNALAKLEET A-4	63 9 19 63 11 9	160 51 33 160 52 40	K 27S 12W13 K 26S 12W36
334-30-11000-2701-3211-4066	UNALAKLEET A-4 UNALAKLEET A-5	63 8 33 63 10 13	160 56 13 161 2 23	K 27S 12W22 K 27S 12W 7
334-30-11000-2701-3211-4084	UNALAKLEET A-5	63 6 48 63 8 20	161 1 9 161 3 6	K 27S 12W31 K 27S 13W24
334-30-11000-2701-3211-4090	UNALAKLEET A-5	63 6 14 63 7 41	161 2 43 161 4 36	K 27S 12W31 K 27S 13W25
334-30-11000-2701-3211-4098	UNALAKLEET A-5	63 5 52 63 6 14	161 4 5 161 5 43	K 28S 13W 1 K 27S 13W35
334-30-11000-2701-3231	UNALAKLEET A-4	63 6 33 63 8 8	160 45 24 160 46 47	K 27S 11W34 K 27S 11W21

Stream/Lake	Map Sheet	Lat.	Long.	Legal
334-30-11000-2701-3236	UNALAKLEET A-4	63 6 58 63 6 57	160 44 49 160 42 20	K 27S 11W27 K 27S 11W26
334-30-11000-2701-3261	UNALAKLEET A-4	63 10 16 63 10 42	160 45 5 160 45 49	K 27S 11W10 K 27S 11W 4
334-30-11000-2701-3270	UNALAKLEET A-4	63 11 35 63 10 17	160 44 24 150 38 58	K 26S 11W34 K 27S 10W 7
334-30-11000-2701-3270-4010	UNALAKLEET A-4	63 11 12 63 10 26	160 42 34 160 41 49	K 26S 11W35 K 27S 11W 1
334-30-11000-2701-3270-4015	UNALAKLEET A-4	63 11 5 63 11 25	160 42 7 160 41 16	K 27S 11W 2 K 26S 11W36
334-30-11000-2701-3290	UNALAKLEET A-4	63 14 17 63 11 50	160 41 54 160 37 49	K 26S 11W14 K 26S 10W32
334-30-11000-2701-3299 Otter Creek	UNALAKLEET A-4 UNALAKLEET A-5	63 14 40 63 10 9	160 41 36 161 10 27	K 26S 11W12 K 27S 13W 8
334-30-11000-2701-3299-4015	UNALAKLEET B-4 UNALAKLEET A-4	63 15 20 63 12 19	160 46 8 160 58 14	K 26S 11W 9 K 26S 12W28
334-30-11000-2701-3299-4015-5018	UNALAKLEET A-4	63 14 22 63 15 0	160 47 19 160 50 48	K 26S 11W16 K 26S 11W 7
334-30-11000-2701-3299-4024	UNALAKLEET B-4	63 16 47 63 20 8	160 49 42 160 49 8	K 25S 11W31 K 25S 11W 8
334-30-11000-2701-3299-4032	UNALAKLEET B-4	63 16 7 63 18 36	160 54 28 160 53 51	K 26S 12W 2 K 25S 12W23
334-30-11000-2701-3299-4040	UNALAKLEET B-4	63 15 40 63 17 8	160 58 27 161 0 0	K 26S 12W 4 K 25S 12W32
334-30-11000-2701-3299-4045	UNALAKLEET B-4 UNALAKLEET A-4	63 15 31 63 14 3	160 58 47 160 58 54	K 26S 12W 4 K 26S 12W16
334-30-11000-2701-3299-4050	UNALAKLEET B-5	63 15 0 63 15 59	161 3 10 161 4 39	K 26S 13W12 K 26S 13W 1
334-30-11000-2701-3299-4075	UNALAKLEET A-5	63 10 10 63 9 2	161 10 27 161 9 21	K 27S 13W 8 K 27S 13W16
334-30-11000-2701-3300 Canyon Creek	UNALAKLEET A-4 UNALAKLEET B-3	63 14 43 63 16 22	160 41 30 160 20 28	K 26S 11W12 K 25S 9W35
334-30-11000-2701-3300-4010	UNALAKLEET A-4	63 14 42 63 13 46	160 40 6 160 37 38	K 26S 11W12 K 26S 10W17
334-30-11000-2701-3300-4010-5010	UNALAKLEET A-4	63 14 8 63 13 44	160 39 26 160 38 55	K 26S 10W18 K 26S 10W19
334-30-11000-2701-3300-4020	UNALAKLEET A-4	63 14 42 63 14 7	160 37 48 160 37 18	K 26S 10W 8 K 26S 10W17
334-30-11000-2701-3300-4030	UNALAKLEET A-4	63 14 53 63 14 22	160 36 30 160 36 25	K 26S 10W 8 K 26S 10W17
334-30-11000-2701-3300-4041	UNALAKLEET A-4 UNALAKLEET B-3	63 15 0 63 19 6	160 34 36 160 28 44	K 26S 10W 9 K 25S 10W13
334-30-11000-2701-3300-4041-5020	UNALAKLEET B-4 UNALAKLEET B-3	63 16 32 63 17 1	160 33 48 160 26 17	K 25S 10W34 K 25S 9W32
334-30-11000-2701-3300-4050	UNALAKLEET A-4	63 14 39 63 12 55	160 32 43 160 32 9	K 26S 10W10 K 26S 10W23
334-30-11000-2701-3300-4056	UNALAKLEET A-4 UNALAKLEET A-3	63 14 27 63 14 6	160 31 13 160 23 16	K 26S 10W14 K 26S 9W16
334-30-11000-2701-3300-4081	UNALAKLEET B-3	63 15 51 63 17 32	160 24 45 160 23 43	K 26S 9W 5 K 25S 9W28
334-30-11000-2701-3315	UNALAKLEET B-4	63 16 42 63 18 46	160 41 26 160 44 34	K 25S 11W36 K 25S 11W22
334-30-11000-2701-3320	UNALAKLEET B-4	63 18 21 63 17 55	160 39 55 160 37 23	K 25S 11W24 K 25S 10W29
334-30-11000-2701-3326	UNALAKLEET B-4	63 18 59 63 18 29	160 39 14 160 37 17	K 25S 10W18 K 25S 10W20
334-30-11000-2701-3332	UNALAKLEET B-4	63 21 43 63 19 51	160 38 3 160 35 12	K 24S 10W32 K 25S 10W 9
334-30-11000-2701-3332-4009	UNALAKLEET B-4	63 21 9 63 20 50	160 34 43 160 33 18	K 25S 10W 4 K 25S 10W 3
334-30-11000-2701-3332-4015	UNALAKLEET B-4	63 20 35 63 20 25	160 34 50 160 33 59	K 25S 10W 9 K 25S 10W10
334-30-11000-2701-3339	UNALAKLEET B-4	63 22 24 63 27 53	160 37 13 160 35 20	K 24S 10W33 K 23S 10W27
334-30-11000-2701-3339-4007	UNALAKLEET B-4	63 23 14 63 27 41	160 37 25 160 41 19	K 24S 10W28 K 23S 11W25
334-30-11000-2701-3339-4007-5005	UNALAKLEET B-4	63 23 33 63 21 58	160 38 40 160 40 57	K 24S 10W20 K 24S 10W31
334-30-11000-2701-3339-4007-5005-6010	UNALAKLEET B-4	63 22 30 63 22 34	160 40 34 160 42 20	K 24S 10W30 K 24S 11W25

Stream/lake	Map Sheet	Lat.	Long.	Legal
334-30-11000-2701-3339-4007-5015	UNALAKLEET B-4	63 25 3 63 23 48	160 41 10 160 46 24	K 24S 10W 7 K 24S 11W22
334-30-11000-2701-3339-4007-5015-6010	UNALAKLEET B-4	63 24 55 63 25 34	160 43 39 160 44 25	K 24S 11W14 K 24S 11W11
334-30-11000-2701-3339-4007-5015-6020	UNALAKLEET B-4	63 24 28 63 24 56	160 45 14 160 46 20	K 24S 11W15 K 24S 11W15
334-30-11000-2701-3339-4007-5025	UNALAKLEET B-4	63 27 4 63 26 47	160 41 10 160 43 3	K 23S 10W31 K 23S 11W36
334-30-11000-2701-3339-4025	UNALAKLEET B-4	63 27 0 63 27 24	160 36 6 160 37 30	K 23S 10W33 K 23S 10W32
334-30-11000-2701-3348	UNALAKLEET B-4	63 22 51 63 21 29	160 37 10 160 31 30	K 24S 10W26 K 25S 10W 2
334-30-11000-2701-3352	UNALAKLEET B-4	63 23 15 63 21 59	160 31 59 160 31 13	K 24S 10W26 K 24S 10W36
334-30-11000-2701-3358	UNALAKLEET B-4 UNALAKLEET B-3	63 24 1 63 23 11	160 30 45 160 27 27	K 24S 10W24 K 24S 9W29
334-30-11000-2701-3368	UNALAKLEET B-4 UNALAKLEET B-3	63 25 17 63 25 4	160 30 13 160 26 41	K 24S 10W12 K 24S 9W 8
334-30-11000-2701-3375	UNALAKLEET B-3 UNALAKLEET B-4	63 26 18 63 27 57	160 29 17 160 30 23	K 24S 9W 6 K 23S 10W25
334-30-11000-2701-3375-4007	UNALAKLEET B-4	63 27 29 63 27 30	160 30 42 160 31 48	K 23S 10W36 K 23S 10W35
334-30-11000-2701-3375-4015	UNALAKLEET B-4	63 27 59 63 28 14	160 30 24 160 30 58	K 23S 10W25 K 23S 10W25
334-30-11000-2701-3391	UNALAKLEET B-3	63 27 6 63 30 0	160 25 11 160 24 52	K 23S 9W33 K 23S 9W16
334-30-11000-2701-3400	UNALAKLEET B-3	63 27 1 63 25 14	160 22 46 160 21 49	K 23S 9W34 K 24S 9W11
334-30-11000-2701-3400-4011	UNALAKLEET B-3	63 26 30 63 26 30	160 21 51 160 20 13	K 24S 9W 2 K 24S 9W 2
334-30-11000-2701-3409	UNALAKLEET B-3	63 27 12 63 28 15	160 21 43 160 23 10	K 23S 9W35 K 23S 9W27
334-30-11000-2701-3419	UNALAKLEET B-3	63 27 34 63 28 10	160 20 59 160 21 24	K 23S 9W35 K 23S 9W26
334-30-11000-2701-3427	UNALAKLEET B-3	63 27 28 63 28 42	160 20 13 160 20 47	K 23S 9W35 K 23S 9W23
334-30-11000-2701-3435	UNALAKLEET B-3	63 27 37 63 29 9	160 19 29 160 19 49	K 23S 9W25 K 23S 9W24
334-30-11000-2701-3445	UNALAKLEET B-3	63 27 57 63 29 42	160 17 23 160 17 51	K 23S 8W30 K 23S 8W18
334-30-11000-2701-3446 McDonald Creek	UNALAKLEET B-3	63 27 54 63 29 0	160 17 20 160 1 34	K 23S 8W30 K 23S 7W21
334-30-11000-2701-3446-4010	UNALAKLEET B-3	63 27 26 63 25 30	160 15 42 160 12 47	K 23S 8W32 K 24S 8W 9
334-30-11000-2701-3446-4010-5021	UNALAKLEET B-3	63 26 4 63 26 11	160 13 43 160 9 54	K 24S 8W 4 K 24S 8W 2
334-30-11000-2701-3446-4041	UNALAKLEET B-3	63 27 57 63 29 0	160 8 40 160 8 26	K 23S 8W26 K 23S 8W24
334-30-11000-2701-3446-4044	UNALAKLEET B-3	63 28 3 63 26 57	160 8 2 160 3 23	K 23S 8W25 K 23S 7W32
334-30-11000-2701-3446-4071	UNALAKLEET B-3	63 28 42 63 28 33	160 2 16 160 0 23	K 23S 7W21 K 23S 7W22
334-30-11000-2701-3451	UNALAKLEET B-3 UNALAKLEET C-3	63 28 50 63 30 43	160 15 38 160 15 28	K 23S 8W20 K 23S 8W 8
334-30-11000-2701-3459	UNALAKLEET C-3	63 32 51 63 33 20	160 11 41 160 13 18	K 22S 8W27 K 22S 8W28
334-30-11000-2701-3460	UNALAKLEET C-3	63 33 0 63 31 54	160 11 31 160 8 4	K 22S 8W27 K 23S 8W 1
334-30-11000-2701-3460-4005	UNALAKLEET C-3	63 33 6 63 33 34	160 10 38 160 9 28	K 22S 8W27 K 22S 8W26
334-30-11000-2701-3465	UNALAKLEET C-3	63 33 8 63 34 44	160 11 41 160 11 56	K 22S 8W27 K 22S 8W15
334-30-11000-2701-3471	UNALAKLEET C-3	63 35 9 63 36 3	160 9 35 160 10 6	K 22S 8W14 K 22S 8W11
334-30-11000-2701-3471-4007	UNALAKLEET C-3	63 35 33 63 35 43	160 10 7 160 10 58	K 22S 8W11 K 22S 8W10
334-30-11000-2701-3476	UNALAKLEET C-3	63 35 14 63 34 47	160 9 23 160 6 7	K 22S 8W14 K 22S 7W18
334-30-11000-2781 Grayling Creek	HOLY CROSS D-3	62 54 8 62 55 19	160 3 45 160 6 16	S 33N 57W34 S 33N 57W28

Stream/lake	Map Sheet	Lat.	Long.	Legal
334-30-11000-2851 Thompson Creek	UNALAKLEET A-2 UNALAKLEET B-3	63 6 5 63 17 54	159 47 34 160 3 6	K 27S 6W34 K 25S 7W29
334-30-11000-2881 Simon Creek	UNALAKLEET A-2 UNALAKLEET B-2	63 11 19 63 16 20	159 43 58 159 50 22	K 26S 6W36 K 26S 6W 4
334-30-11000-2951 Blackburn Creek	UNALAKLEET B-2	63 22 27 63 21 37	159 33 57 159 44 31	K 24S 5W26 K 24S 6W36
334-30-11000-2981 Dugan Creek	UNALAKLEET B-2	63 29 34 63 28 22	159 30 48 159 35 13	K 23S 4W18 K 23S 5W26
334-35-11000 Yukon River	UNALAKLEET C-1 NULATO D-4	63 38 22 64 52 7	159 22 36 157 41 43	K 21S 4W26 K 7S 6E20
334-35-11000-2005 Bear Creek	UNALAKLEET C-1 UNALAKLEET C-2	63 38 37 63 39 45	159 24 18 159 32 21	K 21S 4W27 K 21S 5W13
334-35-11000-2005-3015	UNALAKLEET C-2	63 39 26 63 38 27	159 30 8 159 31 47	K 21S 4W19 K 21S 4W30
334-35-11000-2025 Stink Creek	OPHIR D-6 UNALAKLEET D-1	63 59 2 63 58 49	158 56 18 159 7 3	K 17S 1W30 K 17S 2W29
334-35-11000-2025-3010 Poison Creek	OPHIR D-6 NULATO A-6	63 59 23 64 0 35	158 57 11 158 54 38	K 17S 1W30 K 17S 1W17
334-35-11000-2040 Khotol River	NULATO A-6 NULATO B-4	64 2 16 64 28 10	158 43 32 157 50 41	K 17S 1E 8 K 12S 5E10
334-35-11000-2055 Rodo River	NULATO B-6 NULATO A-6	64 16 44 64 10 48	158 42 33 158 55 53	K 14S 1E17 K 15S 1W19
334-35-11000-2065 Kaltag River	NULATO B-6	64 20 5 64 15 25	158 43 22 158 59 19	K 13S 1E29 K 14S 2W24
334-35-11000-2065-3010	NULATO B-6	64 19 58 64 21 3	158 44 40 158 46 3	K 13S 1E30 K 13S 1W24
334-35-11000-2065-3020	NULATO B-6	64 18 39 64 19 30	158 48 35 158 49 56	K 14S 1W 2 K 13S 1W34
334-35-11000-2065-3030	NULATO B-6	64 18 0 64 18 42	158 49 41 158 52 20	K 14S 1W 3 K 14S 1W 4
334-35-11000-2065-3040	NULATO B-6	64 16 38 64 17 52	158 54 15 158 54 55	K 14S 1W17 K 14S 1W 5
334-35-11000-2065-3050	NULATO B-6	64 16 2 64 16 22	158 56 52 158 58 0	K 14S 1W19 K 14S 2W13
334-35-11000-2083 Ninemile River	NULATO C-5 NULATO B-6	64 37 41 64 27 31	158 17 51 158 44 25	K 10S 3E17 K 12S 1E 7
334-35-11000-2091 South Fork Nulato River	NULATO C-5 NORTON BAY C-1	64 42 28 64 32 26	158 8 13 159 27 5	K 9S 4E18 K 11S 4W15
334-35-11000-2091-3011 Nulato River	NULATO C-5 NORTON BAY B-1	64 43 48 64 20 58	158 12 25 159 22 50	K 9S 3E11 K 13S 4W24
334-35-11000-2091-3011-4015	NULATO C-5	64 43 38 64 42 17	158 15 19 158 17 14	K 9S 3E10 K 9S 3E16
334-35-11000-2091-3011-4020	NULATO C-5 NULATO D-5	64 43 41 64 45 30	158 16 26 158 16 50	K 9S 3E 9 K 8S 3E33
334-35-11000-2091-3011-4026	NULATO C-5 NULATO D-5	64 43 54 64 45 26	158 18 52 158 19 49	K 9S 3E 5 K 8S 3E31
334-35-11000-2091-3011-4032	NULATO C-5	64 43 32 64 44 3	158 20 21 158 21 49	K 9S 3E 7 K 9S 2E 1
334-35-11000-2091-3011-4040	NULATO C-5	64 43 14 64 43 46	158 20 57 158 24 26	K 9S 3E 7 K 9S 2E11
334-35-11000-2091-3011-4050	NULATO C-5	64 41 52 64 42 59	158 24 45 158 26 47	K 9S 2E23 K 9S 2E10
334-35-11000-2091-3011-4058	NULATO C-5	64 41 44 64 42 16	158 26 18 158 28 43	K 9S 2E22 K 9S 2E16
334-35-11000-2091-3011-4061	NULATO C-5	64 41 9 64 40 3	158 27 24 158 26 55	K 9S 2E27 K 9S 2E34
334-35-11000-2091-3011-4068	NULATO C-6	64 39 42 64 40 57	158 32 14 158 33 48	K 9S 2E31 K 9S 1E25
334-35-11000-2091-3011-4071	NULATO C-6	64 39 30 64 38 10	158 32 53 158 32 38	K 9S 2E31 K 10S 2E 7
334-35-11000-2091-3011-4080	NULATO C-6	64 39 39 64 40 23	158 35 27 158 36 53	K 9S 1E36 K 9S 1E26
334-35-11000-2091-3011-4088	NULATO C-6	64 38 53 64 39 33	158 36 33 158 38 53	K 10S 1E 2 K 9S 1E34
334-35-11000-2091-3011-4091	NULATO C-6	64 38 39 64 37 43	158 36 40 158 34 42	K 10S 1E11 K 10S 1E13
334-35-11000-2091-3011-4094	NULATO C-6	64 37 31 64 37 53	158 39 36 158 41 2	K 10S 1E16 K 10S 1E 9
334-35-11000-2091-3011-4097	NULATO C-6	64 37 4 64 36 20	158 39 31 158 36 45	K 10S 1E15 K 10S 1E23

Stream/lake	Map Sheet	Lat.	Long.	Leg#1
334-35-11000-2091-3011-4098	NULATO C-6	64 37 0 64 37 26	158 39 36 158 41 36	K 10S 1E16 K 10S 1E17
334-35-11000-2091-3011-4106	NULATO C-6	64 36 38 64 36 50	158 40 17 158 42 37	K 10S 1E21 K 10S 1E20
334-35-11000-2091-3011-4109	NULATO C-6	64 36 7 64 35 30	158 40 25 158 39 29	K 10S 1E21 K 10S 1E27
334-35-11000-2091-3011-4112	NULATO C-6	64 35 48 64 36 18	158 41 1 158 44 55	K 10S 1E28 K 10S 1E19
334-35-11000-2091-3011-4117	NULATO C-6	64 34 19 64 33 15	158 43 30 158 42 15	K 10S 1E32 K 11S 1E 8
334-35-11000-2091-3011-4119	NULATO C-6	64 34 14 64 32 15	158 44 0 158 44 11	K 11S 1E 6 K 11S 1E18
334-35-11000-2091-3011-4120	NULATO C-6	64 34 20 64 35 8	158 44 49 158 47 47	K 10S 1E31 K 10S 1W35
334-35-11000-2091-3011-4130	NULATO C-6	64 32 47 64 33 51	158 48 25 158 51 10	K 11S 1W11 K 11S 1W 3
334-35-11000-2091-3011-4135	NULATO C-6	64 32 10 64 30 57	158 49 1 158 47 4	K 11S 1W14 K 11S 1W24
334-35-11000-2091-3011-4135-5010	NULATO C-6	64 31 43 64 31 16	158 48 1 158 48 47	K 11S 1W14 K 11S 1W23
334-35-11000-2091-3011-4140	NULATO C-6	64 31 53 64 32 26	158 49 46 158 53 10	K 11S 1W15 K 11S 1W16
334-35-11000-2091-3011-4145	NULATO C-6	64 31 22 64 30 4	158 51 10 158 52 24	K 11S 1W22 K 11S 1W28
334-35-11000-2091-3011-4150	NULATO C-6 NORTON BAY C-1	64 30 52 64 31 30	158 54 15 159 0 45	K 11S 1W20 K 11S 2W23
334-35-11000-2091-3011-4150-5008	NULATO C-6	64 31 10 64 32 15	158 55 38 158 55 45	K 11S 1W19 K 11S 1W18
334-35-11000-2091-3011-4150-5015	NULATO C-6 NORTON BAY C-1	64 31 5 64 30 14	158 58 39 159 0 47	K 11S 2W24 K 11S 2W26
334-35-11000-2091-3011-4155	NULATO C-6 NULATO B-6	64 30 14 64 28 59	158 56 10 158 55 34	K 11S 1W30 K 12S 1W 6
334-35-11000-2091-3011-4169	NULATO B-6	64 29 29 64 27 37	158 58 40 158 57 35	K 11S 2W36 K 12S 2W12
334-35-11000-2091-3011-4174	NORTON BAY B-1	64 28 49 64 29 29	159 0 18 159 3 55	K 12S 2W 2 K 11S 2W33
334-35-11000-2091-3011-4180	NORTON BAY B-1	64 27 9 64 28 3	159 3 14 159 5 42	K 12S 2W15 K 12S 2W 8
334-35-11000-2091-3011-4182	NORTON BAY B-1	64 27 3 64 27 17	159 3 36 159 5 36	K 12S 2W16 K 12S 2W17
334-35-11000-2091-3011-4185	NORTON BAY B-1	64 26 46 64 25 4	159 3 56 159 1 31	K 12S 2W16 K 12S 2W26
334-35-11000-2091-3011-4195	NORTON BAY B-1	64 26 1 64 24 35	159 6 38 159 7 2	K 12S 2W20 K 12S 2W32
334-35-11000-2091-3011-4200	NORTON BAY B-1	64 25 42 64 26 26	159 7 52 159 13 22	K 12S 2W19 K 12S 3W23
334-35-11000-2091-3011-4207	NORTON BAY B-1	64 24 50 64 23 21	159 11 15 159 10 19	K 12S 3W25 K 13S 3W 1
334-35-11000-2091-3011-4212	NORTON BAY B-1	64 23 52 64 24 49	159 13 27 159 16 55	K 13S 3W 3 K 12S 3W28
334-35-11000-2091-3011-4213	NORTON BAY B-1	64 23 50 64 22 31	159 13 34 159 12 35	K 13S 3W 3 K 13S 3W11
334-35-11000-2091-3011-4221	NORTON BAY B-1	64 22 25 64 21 56	159 18 57 159 18 19	K 13S 3W 8 K 13S 3W17
334-35-11000-2091-3011-4224	NORTON BAY B-1	64 22 13 64 22 41	159 19 28 159 20 52	K 13S 3W 7 K 13S 3W 7
334-35-11000-2091-3021	NULATO D-5	64 46 14 64 46 48	158 12 13 158 14 34	K 8S 3E26 K 8S 3E22
334-35-11000-2091-3030	NULATO D-5	64 49 20 64 51 58	158 12 42 158 9 32	K 8S 3E 2 K 7S 3E24
334-35-11000-2091-3030-4011	NULATO D-5	64 51 39 64 51 53	158 10 19 158 10 28	K 7S 3E24 K 7S 3E24
334-35-11000-2091-3040	NULATO D-5	64 50 11 64 52 48	158 16 26 158 18 42	K 7S 3E33 K 7S 3E17
334-35-11000-2091-3050	NULATO D-5	64 49 29 64 51 26	158 20 14 158 23 16	K 8S 3E 6 K 7S 2E26
334-35-11000-2091-3050-4010	NULATO D-5	64 51 13 64 51 53	158 21 47 158 21 38	K 7S 2E25 K 7S 2E24
334-35-11000-2091-3060	NULATO D-5	64 49 2 64 50 9	158 23 34 158 26 14	K 8S 2E11 K 7S 2E34

Stream/lake	Map Sheet	Lat.	Long.	Legal
334-35-11000-2091-3070	NULATO D-5	64 48 27 64 48 52	158 24 55 158 26 23	K 8S 2E11 K 8S 2E10
334-35-11000-2091-3101	NULATO C-6	64 44 42 64 44 5	158 34 48 158 34 10	K 8S 1E36 K 9S 1E 1
334-35-11000-2091-3101-4006	NULATO C-6	64 44 15 64 43 55	158 34 48 158 35 28	K 9S 1E 1 K 9S 1E 1
334-35-11000-2091-3112	NULATO C-6	64 43 45 64 44 47	158 41 53 158 42 48	K 9S 1E 8 K 8S 1E32
334-35-11000-2091-3115	NULATO C-6 NORTON BAY C-1	64 43 22 64 31 22	158 42 37 159 12 38	K 9S 1E 8 K 11S 3W23
334-35-11000-2091-3115-4005	NULATO C-6	64 43 10 64 42 20	158 42 35 158 40 23	K 9S 1E 8 K 9S 1E16
334-35-11000-2091-3115-4015	NULATO C-6	64 40 11 64 39 23	158 46 46 158 46 1	K 9S 1W36 K 10S 1W 1
334-35-11000-2091-3115-4018	NULATO C-6	64 39 1 64 39 30	158 49 12 158 50 34	K 10S 1W 2 K 10S 1W 3
334-35-11000-2091-3115-4020	NULATO C-6	64 38 41 64 39 0	158 49 55 158 51 16	K 10S 1W 3 K 10S 1W 3
334-35-11000-2091-3115-4025	NULATO C-6	64 38 10 64 37 54	158 50 13 158 49 32	K 10S 1W10 K 10S 1W11
334-35-11000-2091-3115-4026	NULATO C-6	64 37 54 64 38 36	158 51 19 158 52 47	K 10S 1W10 K 10S 1W 9
334-35-11000-2091-3115-4031	NULATO C-6	64 37 50 64 37 27	158 51 57 158 50 43	K 10S 1W 9 K 10S 1W15
334-35-11000-2091-3115-4032	NULATO C-6	64 36 59 64 37 25	158 53 29 158 55 41	K 10S 1W16 K 10S 1W18
334-35-11000-2091-3115-4035	NULATO C-6	64 36 54 64 36 44	158 53 22 158 52 20	K 10S 1W21 K 10S 1W21
334-35-11000-2091-3115-4041	NULATO C-6	64 36 31 64 35 54	158 54 7 158 53 1	K 10S 1W20 K 10S 1W28
334-35-11000-2091-3115-4051	NULATO C-6	64 35 12 64 34 41	158 57 15 158 56 26	K 10S 1W30 K 10S 1W31
334-35-11000-2091-3115-4060	NORTON BAY C-1	64 34 5 64 34 3	159 1 59 159 6 14	K 11S 2W 3 K 11S 2W 5
334-35-11000-2091-3115-4075	NORTON BAY C-1	64 31 35 64 31 6	159 10 10 159 11 20	K 11S 3W24 K 11S 3W24
334-35-11000-2091-3120	NULATO C-6	64 43 35 64 44 44	158 45 23 158 45 38	K 9S 1E 7 K 8S 1W36
334-35-11000-2091-3130	NULATO C-6	64 43 38 64 44 55	158 49 53 158 49 7	K 9S 1W10 K 8S 1W35
334-35-11000-2091-3131	NULATO C-6	64 43 34 64 42 1	158 50 11 158 50 11	K 9S 1W10 K 9S 1W22
334-35-11000-2091-3140	NULATO C-6	64 43 9 64 44 1	158 53 27 158 54 9	K 9S 1W 9 K 9S 1W 5
334-35-11000-2091-3143	NULATO C-6	64 43 2 64 42 37	158 53 42 158 53 23	K 9S 1W 8 K 9S 1W16
334-35-11000-2091-3145	NULATO C-6	64 42 58 64 42 11	158 54 55 158 54 27	K 9S 1W17 K 9S 1W17
334-35-11000-2091-3150	NULATO C-6	64 43 2 64 44 11	158 56 14 158 56 56	K 9S 1W 7 K 9S 1W 6
334-35-11000-2091-3155	NULATO C-6	64 42 46 64 41 36	158 57 36 158 57 3	K 9S 2W13 K 9S 1W19
334-35-11000-2091-3160	NULATO C-6	64 42 34 64 43 32	158 59 15 158 59 56	K 9S 2W13 K 9S 2W11
334-35-11000-2091-3161	NULATO C-6	64 42 32 64 41 28	158 59 14 158 58 56	K 9S 2W13 K 9S 2W24
334-35-11000-2091-3170	NORTON BAY C-1	64 41 56 64 43 4	159 2 20 159 4 4	K 9S 2W22 K 9S 2W 9
334-35-11000-2091-3171	NORTON BAY C-1	64 41 48 64 40 32	159 2 43 159 1 46	K 9S 2W22 K 9S 2W27
334-35-11000-2091-3180	NORTON BAY C-1	64 41 16 64 42 15	159 4 33 159 6 39	K 9S 2W21 K 9S 2W17
334-35-11000-2091-3181	NORTON BAY C-1	64 40 54 64 39 38	159 4 56 159 2 49	K 9S 2W28 K 9S 2W34
334-35-11000-2091-3190	NORTON BAY C-1	64 40 26 64 41 11	159 6 45 159 9 22	K 9S 2W29 K 9S 2W30
334-35-11000-2091-3191	NORTON BAY C-1	64 40 22 64 39 40	159 6 40 159 5 52	K 9S 2W32 K 9S 2W32
334-35-11000-2091-3201	NORTON BAY C-1	64 40 3 64 38 52	159 8 14 159 5 42	K 9S 2W31 K 10S 2W 5

Stream/Lake	Map Sheet	Lat.	Long.	Legal
334-35-11000-2091-3211	NORTON BAY C-1	64 39 28 64 38 33	159 9 5 159 7 14	K 10S 2W 6 K 10S 2W 8
334-35-11000-2091-3221	NORTON BAY C-1	64 38 52 64 38 24	159 10 7 159 9 7	K 10S 3W 1 K 10S 2W 7
334-35-11000-2091-3226	NORTON BAY C-1	64 38 50 64 39 32	159 10 41 159 12 37	K 10S 3W 1 K 9S 3W35
334-35-11000-2091-3230	NORTON BAY C-1	64 38 41 64 38 59	159 11 40 159 12 29	K 10S 3W 2 K 10S 3W 2
334-35-11000-2091-3231	NORTON BAY C-1	64 38 18 64 37 20	159 12 0 159 9 29	K 10S 3W11 K 10S 2W18
334-35-11000-2091-3240	NORTON BAY C-1	64 37 43 64 37 48	159 12 45 159 14 47	K 10S 3W14 K 10S 3W10
334-35-11000-2091-3241	NORTON BAY C-1	64 37 43 64 36 29	159 12 43 159 10 20	K 10S 3W14 K 10S 3W24
334-35-11000-2091-3251	NORTON BAY C-1	64 36 55 64 35 34	159 14 47 159 13 58	K 10S 3W15 K 10S 3W27
334-35-11000-2091-3251-4011	NORTON BAY C-1	64 36 18 64 36 9	159 14 0 159 12 43	K 10S 3W22 K 10S 3W23
334-35-11000-2091-3260	NORTON BAY C-1	64 35 28 64 36 2	159 17 57 159 19 36	K 10S 3W29 K 10S 3W29
334-35-11000-2091-3261	NORTON BAY C-1	64 35 11 64 33 38	159 17 57 159 18 10	K 10S 3W29 K 11S 3W 5
334-35-11000-2091-3261-4021	NORTON BAY C-1	64 34 17 64 34 11	159 17 4 159 15 21	K 11S 3W 4 K 11S 3W 3
334-35-11000-2091-3280	NORTON BAY C-1	64 33 3 64 33 26	159 24 46 159 25 31	K 11S 4W11 K 11S 4W 2
334-35-11000-2091-3281	NORTON BAY C-1	64 33 2 64 31 39	159 24 39 159 23 35	K 11S 4W11 K 11S 4W23
334-40-11000 Yukon River	NULATO D-4 FORT YUKON C-3	64 52 6 66 34 13	157 41 44 145 18 38	K 7S 6E20 F 20N 11E12
334-40-11000-2125 Koyukuk River	NULATO D-4 WISEMAN A-3	64 55 23 67 2 50	157 33 3 151 4 28	K 6S 6E36 F 26N 16W28
334-40-11000-2125-3055 Gisasa River	KATEEL RIVER B-4 NORTON BAY C-1	65 15 45 64 38 49	157 40 46 159 21 47	K 3S 6E 5 K 10S 4W 1
334-40-11000-2125-3055-4100	NULATO D-6	64 58 39 64 59 44	158 33 36 158 37 14	K 6S 1E12 K 6S 1E 2
334-40-11000-2125-3055-4100-5015	NULATO D-6	64 59 29 64 59 12	158 36 45 158 37 35	K 6S 1E 2 K 6S 1E10
334-40-11000-2125-3055-4103	NULATO D-6	64 58 36 64 57 53	158 33 50 158 32 43	K 6S 1E12 K 6S 2E18
334-40-11000-2125-3055-4107	NULATO D-6	64 58 7 64 56 31	158 34 51 158 32 31	K 6S 1E13 K 6S 2E30
334-40-11000-2125-3055-4111	NULATO D-6	64 57 23 64 56 45	158 37 19 158 36 35	K 6S 1E23 K 6S 1E26
334-40-11000-2125-3055-4115	NULATO D-6	64 56 57 64 56 20	158 38 24 158 37 23	K 6S 1E22 K 6S 1E26
334-40-11000-2125-3055-4121	NULATO D-6	64 56 9 64 55 30	158 40 50 158 39 1	K 6S 1E28 K 6S 1E34
334-40-11000-2125-3055-4127	NULATO D-6	64 55 38 64 53 25	158 42 24 158 39 46	K 6S 1E32 K 7S 1E 9
334-40-11000-2125-3055-4133	NULATO D-6	64 54 33 64 53 27	158 45 14 158 43 11	K 7S 1E 6 K 7S 1E 8
334-40-11000-2125-3055-4137	NULATO D-6	64 54 12 64 52 16	158 46 0 158 43 12	K 7S 1W12 K 7S 1E20
334-40-11000-2125-3055-4145	NULATO D-6	64 53 39 64 52 30	158 47 2 158 44 44	K 7S 1W12 K 7S 1E19
334-40-11000-2125-3055-4155	NULATO D-6	64 53 9 64 50 31	158 48 13 158 45 43	K 7S 1W14 K 7S 1W36
334-40-11000-2125-3055-4165	NULATO D-6	64 52 51 64 50 16	158 49 48 158 47 57	K 7S 1W15 K 7S 1W35
334-40-11000-2125-3055-4175	NULATO D-6	64 51 55 64 51 19	158 51 57 158 51 24	K 7S 1W21 K 7S 1W27
334-40-11000-2125-3055-4185	NULATO D-6	64 51 22 64 50 41	158 53 29 158 52 38	K 7S 1W28 K 7S 1W33
334-40-11000-2125-3055-4195	NULATO D-6	64 51 4 64 49 11	158 55 48 158 55 9	K 7S 1W30 K 8S 1W 5
334-40-11000-2125-3055-4200	NULATO D-6	64 50 19 64 51 24	158 59 2 158 58 3	K 7S 2W36 K 7S 2W25
334-40-11000-2125-3055-4200-5009	NULATO D-6	64 51 8 64 51 21	158 59 6 158 59 41	K 7S 2W25 K 7S 2W25

Stream/lake	Map Sheet	Lat.	Long.	Legal
334-40-11000-2125-3055-4220	NORTON BAY D-1	64 50 9 64 51 14	159 1 22 159 1 34	K 7S 2W35 K 7S 2W26
334-40-11000-2125-3055-4227	NORTON BAY D-1	64 49 38 64 48 59	159 3 8 159 2 0	K 8S 2W 3 K 8S 2W10
334-40-11000-2125-3055-4236	NORTON BAY D-1	64 48 32 64 50 21	159 5 23 159 6 31	K 8S 2W 9 K 7S 2W32
334-40-11000-2125-3055-4239	NORTON BAY D-1	64 47 47 64 46 44	159 5 58 159 2 33	K 8S 2W17 K 8S 2W22
334-40-11000-2125-3055-4242	NORTON BAY D-1	64 47 32 64 48 47	159 6 43 159 9 46	K 8S 2W17 K 8S 2W 7
334-40-11000-2125-3055-4248	NORTON BAY D-1	64 47 1 64 47 22	159 7 47 159 9 21	K 8S 2W20 K 8S 2W18
334-40-11000-2125-3055-4253	NORTON BAY D-1	64 46 28 64 45 27	159 8 35 159 5 10	K 8S 2W19 K 8S 2W33
334-40-11000-2125-3055-4258	NORTON BAY D-1	64 46 12 64 47 12	159 8 46 159 11 54	K 8S 2W30 K 8S 3W23
334-40-11000-2125-3055-4263	NORTON BAY C-1	64 45 0 64 44 36	159 11 51 159 10 57	K 8S 3W36 K 9S 3W 1
334-40-11000-2125-3055-4268	NORTON BAY D-1	64 45 34 64 46 27	159 10 30 159 13 54	K 8S 3W25 K 8S 3W23
334-40-11000-2125-3055-4269	NORTON BAY C-1	64 43 26 64 43 21	159 13 54 159 13 20	K 9S 3W10 K 9S 3W11
334-40-11000-2125-3055-4278	NORTON BAY C-1	64 43 19 64 43 54	159 14 5 159 17 25	K 9S 3W10 K 9S 3W 4
334-40-11000-2125-3055-4288	NORTON BAY C-1	64 43 13 64 42 23	159 14 13 159 16 24	K 9S 3W10 K 9S 3W16
334-40-11000-2125-3055-4299	NORTON BAY C-1	64 42 44 64 42 33	159 14 20 159 12 44	K 9S 3W15 K 9S 3W14
334-40-11000-2125-3073 Kateel River	KATEEL RIVER B-4 NORTON BAY D-1	65 27 12 64 53 57	157 37 31 159 18 13	K 1N 6E28 K 7S 3W 8
334-40-11000-2125-3073-4015 Honhosa River	KATEEL RIVER B-4	65 28 27 65 20 16	157 44 49 157 55 0	K 1N 5E24 K 2S 5E 6
334-40-11000-2125-3073-4100 Box River	KATEEL RIVER B-6	65 23 22 65 20 29	158 32 48 158 51 20	K 1S 2E19 K 2S 1W 3
334-40-11000-2125-3073-4145 Arvesta Creek	KATEEL RIVER A-6	65 9 0 65 7 22	158 47 25 158 46 17	K 4S 1W12 K 4S 1W24
334-40-11000-2125-3073-4200	NORTON BAY D-1	64 58 18 64 58 56	159 11 2 159 13 29	K 6S 3W13 K 6S 3W11
334-40-11000-2125-3073-4221	NORTON BAY D-1	64 55 18 64 53 19	159 15 42 159 15 13	K 6S 3W34 K 7S 3W15
334-40-11000-2125-3073-4221-5011	NORTON BAY D-1	64 55 7 64 55 6	159 14 53 159 12 33	K 6S 3W34 K 7S 3W 2
334-40-11000-2125-3131 Dagitti River	KATEEL RIVER C-2	65 33 34 65 36 58	156 56 19 156 54 19	K 2N 9E23 K 3N 9E36
334-40-11000-2125-3131-0010	KATEEL RIVER C-2	65 37 32	156 54 37	K 3N 9E25
334-40-11000-2125-3150 Dulbi Slough	KATEEL RIVER B-1	65 26 43 65 25 41	156 19 15 156 17 45	K 1N 12E35 K 1S 12E 1
334-40-11000-2125-3200 Cutoff Slough	KATEEL RIVER D-1 MELOZITNA D-6	65 52 26 65 58 39	156 15 1 155 49 56	K 6N 12E36 K 7N 14E25
334-40-11000-2125-3225 Dakli River	SHUNGNAK	66 0 0 66 14 59	156 15 12 156 19 54	K 7N 12E13 K 10N 12E21
334-40-11000-2125-3225-4025 Wheeler Creek	SHUNGNAK	66 9 54 66 16 57	156 18 42 156 32 9	K 9N 12E21 K 10N 11E 9
334-40-11000-2125-3355 Hogatza River	MELOZITNA D-5 HUGHES	65 59 55 66 13 9	155 23 44 155 29 24	K 7N 16E24 K 10N 16E32
334-40-11000-2125-3355-4035 Caribou Creek	HUGHES	66 10 44 66 8 12	155 26 51 155 53 37	K 9N 16E16 K 9N 14E33
334-40-11000-2125-3355-4035-5007 Wallick Creek	HUGHES	66 9 55 66 11 18	155 31 17 155 33 59	K 9N 16E19 K 9N 15E13
334-40-11000-2125-3355-4035-5010 Dry Creek	HUGHES	66 9 44 66 10 18	155 32 49 155 39 19	K 9N 16E19 K 9N 15E22
334-40-11000-2125-3355-4045 Clear Creek	HUGHES	66 13 7 66 11 40	155 29 23 156 0 0	K 10N 16E32 K 9N 13E12
334-40-11000-2125-3500 Mathews Slough	MELOZITNA D-4 MELOZITNA D-1	65 51 10 65 59 8	154 33 10 153 25 1	K 5N 20E12 K 7N 26E28
334-40-11000-2125-3500-4027	MELOZITNA D-2	65 53 2 65 54 42	153 58 12 153 54 49	K 6N 23E35 K 6N 23E24
334-40-11000-2125-3500-4027-5011	MELOZITNA D-2	65 54 4 65 54 59	153 57 6 153 55 51	K 6N 23E23 K 6N 23E13

Stream/lake	Map Sheet	Lat.	Long.	Legal
334-40-11000-2125-3500-4027-5011-6007	MELOZITNA D-2	65 54 40 65 54 58	153 56 39 153 57 14	K 6N 23E23 K 6N 23E14
334-40-11000-2125-3500-4035 Macaroni Creek	MELOZITNA D-2	65 54 12 65 56 21	153 46 33 153 46 42	K 6N 24E22 K 6N 24E10
334-40-11000-2125-3500-4035-5013	MELOZITNA D-2	65 55 0 65 55 41	153 45 48 153 46 59	K 6N 24E14 K 6N 24E15
334-40-11000-2125-3500-4041	MELOZITNA D-2	65 55 5 65 55 53	153 40 27 153 42 55	K 6N 25E18 K 6N 24E12
334-40-11000-2125-3500-4041-5010	MELOZITNA D-2	65 55 27 65 55 45	153 41 24 153 41 27	K 6N 25E18 K 6N 25E 7
334-40-11000-2125-3500-4060 Big Creek	MELOZITNA D-1	65 57 13 65 54 56	153 25 56 153 27 55	K 6N 26E 5 K 6N 26E18
334-40-11000-2125-3500-4070 Calamity Creek	MELOZITNA D-1	65 57 44 65 56 58	153 24 51 153 21 42	K 7N 26E33 K 6N 26E 3
334-40-11000-2125-3500-4080	MELOZITNA D-1	65 58 22 65 58 41	153 25 13 153 22 0	K 7N 26E29 K 7N 26E27
334-40-11000-2125-3500-4085	MELOZITNA D-1	65 58 45 65 58 40	153 25 29 153 28 33	K 7N 26E29 K 7N 26E30
334-40-11000-2125-3525 Batza River	MELOZITNA D-3 HUGHES	65 57 5 66 2 59	154 25 45 154 36 29	K 6N 21E 3 K 8N 20E35
334-40-11000-2125-3575 Red Mountain Creek	HUGHES	66 17 29 66 19 53	153 52 30 153 54 17	K 10N 23E 1 K 11N 23E26
334-40-11000-2125-3600 Kanuti River	HUGHES BETTLES A-5	66 26 40 66 12 22	153 0 0 152 2 33	K 12N 27E13 F 16N 21W17
334-40-11000-2125-3600-4100 Kanuti Kilolitna River	BETTLES A-5 TANANA D-4	66 12 21 65 58 6	152 2 33 151 49 36	F 16N 21W20 F 13N 20W 8
334-40-11000-2125-3661 Alatna River	BETTLES C-6 WISEMAN A-6	66 34 14 67 1 57	152 37 32 153 15 59	F 20N 24W11 K 19N 25E24
334-40-11000-2125-3661-4030 Sinyalak Creek	HUGHES	66 42 49 66 44 49	153 2 54 153 5 44	K 15N 27E 9 K 16N 27E31
334-40-11000-2125-3661-4100 Malanute Fork Alatna River	SURVEY PASS A-1 WISEMAN A-6	67 1 56 67 6 37	153 15 58 152 44 5	K 19N 25E24 F 26N 24W 1
334-40-11000-2125-3661-4100-5025 Iniakuk River	SURVEY PASS A-1 SURVEY PASS B-1	67 5 31 67 15 45	153 4 59 153 15 59	K 20N 26E35 K 22N 25E34
334-40-11000-2125-3701 Henshaw (Sozhekla) Creek	BETTLES C-5 BETTLES D-6	66 33 12 66 58 27	152 13 21 152 44 45	F 20N 22W14 F 25N 24W24
334-40-11000-2125-3701-4080	BETTLES C-5	66 42 51 66 44 52	152 19 38 152 20 9	F 22N 22W21 F 22N 22W 9
334-40-11000-2125-3740 South Fork Koyukuk River	BETTLES C-4 CHANDALAR A-6	66 34 57 67 3 7	151 56 12 149 58 44	F 20N 21W 1 F 26N 11W28
334-40-11000-2125-3740-4020 Fish Creek	BETTLES C-4 BETTLES C-2	66 36 33 66 38 19	151 35 12 150 56 45	F 21N 19W36 F 21N 16W23
334-40-11000-2125-3740-4080 Jim River	BETTLES D-3 BETTLES D-1	66 47 26 66 54 55	151 12 1 150 21 3	F 23N 17W27 F 24N 13W10
334-40-11000-2125-3740-4080-5030 Prospect Creek	BETTLES D-2	66 47 27 66 46 59	150 44 31 150 32 35	F 23N 15W26 F 23N 14W35
334-40-11000-2125-3740-4080-5062 Douglas Creek	BETTLES D-2	66 51 23 66 51 26	150 33 56 150 31 41	F 24N 14W34 F 24N 14W35
334-40-11000-2125-3740-4180 Eagle Creek	BETTLES D-2	66 59 30 66 58 50	150 30 46 150 30 2	F 25N 14W13 F 25N 13W19
334-40-11000-2125-3740-4280 Bear Creek	WISEMAN A-1	67 0 34 67 0 24	150 26 4 150 25 52	F 25N 13W 9 F 25N 13W 9
334-40-11000-2125-3841 John River	BETTLES D-4 WISEMAN B-5	66 54 51 67 26 10	151 39 3 152 4 25	F 24N 19W10 F 30N 20W 8
334-40-11000-2125-3871 Wild River	BETTLES D-3 WISEMAN B-4	66 57 7 67 27 58	151 28 18 151 35 36	F 25N 18W34 F 31N 18W33
334-40-11000-2125-3871-0010 Wild Lake	WISEMAN B-4	67 28 59	151 35 13	F 31N 18W28
334-40-11000-2125-3911 North Fork Koyukuk River	WISEMAN A-3 WISEMAN B-2	67 2 53 67 25 32	151 4 33 150 7 57	F 26N 16W28 F 30N 15W13
334-40-11000-2125-3912 Middle Fork Koyukuk River	WISEMAN A-3 CHANDALAR C-6	67 2 51 67 38 27	151 4 16 149 44 46	F 26N 16W28 F 33N 10W35
334-40-11000-2125-3912-4070 Chapman Creek	WISEMAN A-1	67 5 41 67 5 50	150 29 16 150 27 54	F 26N 13W 7 F 26N 13W 8
334-40-11000-2125-3912-4084 Rosie Creek	WISEMAN A-1	67 11 53 67 11 44	150 17 35 150 17 10	F 27N 13W 1 F 27N 12W 6
334-40-11000-2125-3912-4100 Slate Creek	WISEMAN B-1 WISEMAN A-1	67 15 37 67 14 31	150 11 51 150 8 7	F 28N 12W 9 F 28N 12W23
334-40-11000-2125-3912-4112 Marion Creek	WISEMAN B-1	67 19 9 67 19 7	150 10 21 150 10 3	F 29N 12W23 F 29N 12W23

Stream/lake	Map Sheet	Lat.	Long.	Legal
334-40-11000-2125-3912-4123 Wiseman Creek	WISEMAN B-1	67 24 32 67 24 50	150 6 7 150 7 46	F 30N 11W19 F 30W 12W24
334-40-11000-2125-3912-4128 Minnie Creek	WISEMAN B-1	67 25 13 67 24 56	150 6 1 150 1 42	F 30N 11W18 F 30N 11W21
334-40-11000-2125-3912-4135 Hammond River	WISEMAN B-1 WISEMAN C-1	67 27 37 67 39 15	150 1 59 150 1 16	F 30N 11W 5 F 33W 11W27
334-40-11000-2125-3912-4260 Bettles River	CHANDALAP C-6	67 38 27 67 37 51	149 44 45 149 43 27	F 33N 10W35 F 32N 10W 2
334-40-11000-2200 Kala Slough	NULATO C-2	64 43 26 64 37 19	156 55 52 156 44 36	K 9S 10E 7 K 10S 11E18
334-40-11000-2200-3050 Kala Creek	NULATO C-2 NULATO B-2	64 36 25 64 27 26	156 45 20 156 56 25	K 10S 11E19 K 12S 10E 7
334-40-11000-2200-3050-4055	NULATO C-2 NULATO B-2	64 30 4 64 29 23	156 51 19 156 50 14	K 11S 10E27 K 11S 10E34
334-40-11000-2200-3050-4065 Kalakaket Creek	NULATO B-2	64 28 14 64 26 39	156 53 45 156 53 59	K 12S 10E 8 K 12S 10E17
334-40-11000-2230 Yuki River	NULATO C-1 NULATO A-3	64 42 57 64 14 6	156 7 10 157 5 30	K 9S 14E17 K 14S 9E33
334-40-11000-2230-3009 Ruby Slough	NULATO C-1 RUBY C-6	64 42 3 64 43 59	156 5 25 155 34 35	K 9S 14E21 K 9S 16E 1
334-40-11000-2255 Melozitna River	RUBY D-5 MELOZITNA C-1	64 45 48 65 39 26	155 27 33 153 4 18	K 8S 17E29 K 3N 28E17
334-40-11000-2255-3025 Grayling Creek	RUBY D-6	64 49 33 64 50 24	155 35 41 155 41 51	K 8S 16E 3 K 7S 16E31
334-40-11000-2255-3035	RUBY D-6	64 50 52 64 53 23	155 33 0 155 36 50	K 7S 16E26 K 7S 16E10
334-40-11000-2255-3055	RUBY D-5	64 52 22 64 52 37	155 24 5 155 26 57	K 7S 17E22 K 7S 17E17
334-40-11000-2255-3055-4006	RUBY D-5	64 52 24 64 53 7	155 25 28 155 25 49	K 7S 17E22 K 7S 17E16
334-40-11000-2255-3065	RUBY D-5	64 53 15 64 54 20	155 21 8 155 24 41	K 7S 17E14 K 7S 17E 3
334-40-11000-2255-3075	RUBY D-5	64 55 43 64 55 32	155 20 13 155 23 13	K 6S 17E36 K 6S 17E34
334-40-11000-2255-3085	RUBY D-5	64 56 39 64 56 32	155 21 4 155 24 43	K 6S 17E26 K 6S 17E27
334-40-11000-2255-3100	RUBY D-5	64 57 55 64 56 49	155 16 5 155 11 56	K 6S 18E17 K 6S 18E27
334-40-11000-2255-3109	RUBY D-5	64 58 53 64 58 1	155 15 41 155 22 22	K 6S 18E 8 K 6S 17E14
334-40-11000-2255-3119	RUBY D-5	64 59 43 64 59 17	155 17 15 155 21 41	K 6S 18E 6 K 6S 17E11
334-40-11000-2255-3122	MELOZITNA A-5 RUBY D-5	65 0 26 64 59 1	155 15 55 155 10 51	K 5S 18E32 K 6S 18E10
334-40-11000-2255-3135 Fox Creek	MELOZITNA A-5	65 3 17 65 2 23	155 11 7 155 24 41	K 5S 10E15 K 5S 17E22
334-40-11000-2255-3135-4020	MELOZITNA A-5	65 3 22 65 3 47	155 19 45 155 20 47	K 5S 17E13 K 5S 17E11
334-40-11000-2255-3142 Turnaround Creek	MELOZITNA A-5 RUBY D-4	65 4 50 64 59 46	155 10 51 154 56 51	K 5S 18E 3 K 6S 19E 2
334-40-11000-2255-3145	MELOZITNA A-5	65 5 4 65 6 10	155 10 0 155 11 11	K 5S 18E 2 K 4S 18E33
334-40-11000-2255-3145-4011	MELOZITNA A-5	65 5 44 65 5 44	155 10 20 155 12 8	K 4S 18E33 K 4S 18E32
334-40-11000-2255-3155	MELOZITNA A-5	65 6 3 65 7 24	155 6 18 155 6 16	K 4S 18E35 K 4S 18E23
334-40-11000-2255-3155-4009	MELOZITNA A-5	65 6 43 65 6 52	155 6 30 155 7 26	K 4S 18E26 K 4S 18E26
334-40-11000-2255-3155-4011	MELOZITNA A-5	65 7 1 65 7 16	155 6 20 155 7 6	K 4S 18E26 K 4S 18E23
334-40-11000-2255-3162	MELOZITNA A-5	65 6 13 65 4 59	155 3 31 155 1 34	K 4S 19E31 K 5S 19E 4
334-40-11000-2255-3168 Black Sand Creek	MELOZITNA A-5 MELOZITNA A-4	65 7 52 65 4 30	155 3 26 154 53 39	K 4S 19E19 K 5S 20E 7
334-40-11000-2255-3174 Hot Springs Creek	MELOZITNA A-4 MELOZITNA A-3	65 10 58 65 13 29	154 54 38 154 28 8	K 3S 19E35 K 3S 21E13
334-40-11000-2255-3174-4030	MELOZITNA A-4	65 6 53 65 5 38	154 44 42 154 43 48	K 4S 20E27 K 4S 20E34
334-40-11000-2255-3174-4030-5015	MELOZITNA A-4	65 6 6 65 5 48	154 43 47 154 43 8	K 4S 20E34 K 4S 20E35

Stream/lake	Map Sheet	Lat.	Long.	Legal
334-40-11000-2255-3174-4040 Glacier Creek	MELOZITNA A-4	65 7 16 65 6 7	154 42 19 154 41 19	K 4S 20E23 K 4S 20E35
334-40-11000-2255-3174-4050	MELOZITNA A-4	65 8 23 65 7 47	154 40 31 154 37 47	K 4S 20E13 K 4S 21E19
334-40-11000-2255-3174-4070	MELOZITNA A-4	65 12 32 65 11 4	154 35 54 154 32 58	K 3S 21E20 K 3S 21E33
334-40-11000-2255-3174-4070-5015	MELOZITNA A-4	65 11 48 65 11 11	154 32 48 154 31 18	K 3S 21E27 K 3S 21E34
334-40-11000-2255-3175	MELOZITNA A-4	65 11 4 65 14 11	154 53 58 154 54 18	K 3S 19E35 K 3S 19E11
334-40-11000-2255-3180 Big Creek	MELOZITNA B-4	65 15 31 65 15 52	154 44 28 154 36 36	K 3S 20E 3 K 3S 21E 5
334-40-11000-2255-3195	MELOZITNA B-4	65 18 41 65 19 18	154 43 10 154 48 32	K 3S 20E14 K 3S 20E17
334-40-11000-2255-3208	MELOZITNA B-4	65 21 44 65 20 12	154 39 49 154 36 52	K 1S 20E36 K 2S 21E 8
334-40-11000-2255-3208-4007	MELOZITNA B-4	65 21 43 65 21 18	154 38 43 154 35 53	K 1S 21E31 K 1S 21E32
334-40-11000-2255-3215	MELOZITNA B-4	65 22 33 65 22 17	154 39 54 154 43 35	K 1S 20E25 K 1S 20E27
334-40-11000-2255-3222	MELOZITNA B-4	65 23 29 65 23 0	154 36 47 154 33 3	K 1S 21E20 K 1S 21E21
334-40-11000-2255-3222-4008	MELOZITNA B-4	65 23 28 65 22 25	154 36 13 154 34 16	K 1S 21E20 K 1S 21E28
334-40-11000-2255-3227	MELOZITNA B-4	65 25 4 65 26 14	154 35 41 154 37 35	K 1S 21E 8 K 1S 21E 6
334-40-11000-2255-3227-4011	MELOZITNA B-4	65 25 40 65 25 36	154 37 20 154 38 26	K 1S 21E 6 K 1S 21E 6
334-40-11000-2255-3238	MELOZITNA B-4	65 25 7 65 24 39	154 31 49 154 30 50	K 1S 21E10 K 1S 21E11
334-40-11000-2255-3245	MELOZITNA B-4	65 25 37 65 28 5	154 31 35 154 35 40	K 1S 21E 3 K 1N 21E19
334-40-11000-2255-3250	MELOZITNA B-3	65 25 55 65 25 16	154 27 55 154 25 58	K 1S 21E 1 K 1S 22E 7
334-40-11000-2255-3260	MELOZITNA B-3	65 27 17 65 26 24	154 25 48 154 24 31	K 1N 21E26 K 1N 21E36
334-40-11000-2255-3270	MELOZITNA B-3	65 27 36 65 26 29	154 24 12 154 22 28	K 1N 21E25 K 1N 22E31
334-40-11000-2255-3280	MELOZITNA B-3	65 29 1 65 28 36	154 19 42 154 18 26	K 1N 22E17 K 1N 22E21
334-40-11000-2255-3283	MELOZITNA B-3 MELOZITNA C-3	65 29 28 65 31 10	154 19 10 154 22 43	K 1N 22E16 K 1N 22E 6
334-40-11000-2255-3285	MELOZITNA C-3	65 30 0 65 31 12	154 18 31 154 19 32	K 1N 22E 9 K 1N 22E 5
334-40-11000-2255-3289	MELOZITNA C-3	65 30 13 65 31 20	154 13 57 154 12 4	K 1N 22E11 K 1N 22E 1
334-40-11000-2255-3289-4007	MELOZITNA C-3	65 30 38 65 31 2	154 13 39 154 14 0	K 1N 22E 2 K 1N 22E 2
334-40-11000-2255-3300 Wolf Creek	MELOZITNA B-3	65 29 38 65 27 16	154 9 44 154 5 24	K 1N 23E18 K 1N 23E28
334-40-11000-2255-3320 Dome Creek	MELOZITNA C-3	65 30 50 65 30 9	154 3 34 154 2 0	K 1N 23E 3 K 1N 23E11
334-40-11000-2255-3329	MELOZITNA C-3	65 31 56 65 32 19	154 4 6 154 6 17	K 2N 23E34 K 2N 23E33
334-40-11000-2255-3329-4009	MELOZITNA C-3	65 32 5 65 31 59	154 5 53 154 6 53	K 2N 23E33 K 2N 23E32
334-40-11000-2255-3335	MELOZITNA C-3	65 31 59 65 33 16	154 3 26 154 5 56	K 2N 23E34 K 2N 23E21
334-40-11000-2255-3341	MELOZITNA C-3	65 32 18 65 33 37	154 2 17 154 1 28	K 2N 23E35 K 2N 23E23
334-40-11000-2255-3359	MELOZITNA C-2	65 34 29 65 36 15	153 47 23 153 47 51	K 2N 24E13 K 2N 24E 1
334-40-11000-2255-3390	MELOZITNA C-2 MELOZITNA C-1	65 37 25 65 36 25	153 30 3 153 27 40	K 3N 26E32 K 2N 26E 4
334-40-11000-2255-3401	MELOZITNA C-1	65 38 20 65 40 0	153 25 43 153 25 57	K 3N 26E27 K 3N 26E15
334-40-11000-2255-3401-4018	MELOZITNA C-1	65 39 38 65 39 50	153 24 50 153 23 46	K 3N 26E14 K 3N 26E14
334-40-11000-2255-3409	MELOZITNA C-1	65 38 0 65 39 46	153 24 8 153 22 20	K 3N 26E26 K 3N 26E13

Stream/lake	Map Sheet	Lat.	Long.	Legal
334-40-11000-2255-3420 Little Melozitna River	MELOZITNA C-1 MELOZITNA B-1	65 38 21 65 28 30	153 11 19 153 20 52	K 3N 27E26 K 1M 27E19
334-40-11000-2255-3420-4011 Melozimoran Creek	MELOZITNA C-1	65 36 6 65 35 12	153 10 23 153 3 7	K 2N 27E 1 K 2N 28E 9
334-40-11000-2255-3420-4011-5010	MELOZITNA C-1	65 35 56 65 34 49	153 6 3 153 6 19	K 2N 28E 5 K 2N 28E17
334-40-11000-2255-3420-4018	MELOZITNA C-1	65 34 7 65 34 42	153 15 10 153 17 33	K 2N 27E16 K 2N 27E17
334-40-11000-2255-3420-4019	MELOZITNA C-1	65 34 1 65 32 54	153 14 32 153 11 39	K 2N 27E22 K 2N 27E26
334-40-11000-2255-3420-4020	MELOZITNA C-1	65 33 42 65 32 33	153 15 43 153 21 12	K 2N 27E21 K 2N 26E25
334-40-11000-2255-3420-4025	MELOZITNA C-1	65 32 43 65 31 26	153 16 18 153 13 25	K 2N 27E28 K 1N 27E 3
334-40-11000-2255-3420-4031	MELOZITNA C-1	65 31 45 65 30 38	153 18 52 153 15 3	K 2N 27E32 K 1M 27E 4
334-40-11000-2266 Big Creek	RUBY D-5	64 47 45 64 45 32	155 19 4 155 3 5	K 8S 17E13 K 8S 19E32
334-40-11000-2275	RUBY D-4	64 56 16 64 56 55	154 41 23 154 41 46	K 6S 21E30 K 6S 21E19
334-40-11000-2300 Nowitna River	RUBY D-3 RUBY A-3	64 55 35 64 4 15	154 16 10 154 16 8	K 6S 23E31 K 16S 23E26
334-40-11000-2300-3045	RUBY D-3 RUBY C-3	64 45 3 64 41 59	154 20 18 154 25 5	K 8S 22E35 K 9S 22E23
334-40-11000-2300-3080 Sulatna River	RUBY C-3 RUBY C-4	64 35 50 64 31 16	154 27 29 154 36 17	K 10S 22E28 K 11S 21E23
334-40-11000-2300-3100 Lost River	RUBY B-3	64 29 52 64 27 59	154 14 50 154 14 47	K 11S 23E34 K 12S 23E10
334-40-11000-2300-3203 Titna River	RUBY B-2	64 22 30 64 21 35	153 37 31 153 33 46	K 13S 26E12 K 13S 27E17
334-40-11000-2300-3277 Sulukna River	RUBY A-3	64 7 32 64 6 20	154 2 42 154 1 1	K 16S 24E 1 K 16S 24E13
334-40-11000-2302	RUBY D-3	64 55 39 64 56 7	154 15 57 154 8 39	K 6S 23E31 K 6S 23E26
334-40-11000-2405 Illinois Creek	MELOZITNA A-1 MELOZITNA B-1	65 11 4 65 17 12	153 4 32 153 6 55	K 3S 28E35 K 2S 28E28
334-40-11000-2405-3019 Wilson Creek	MELOZITNA B-1	65 17 13 65 17 50	153 6 55 153 7 42	K 2S 28E28 K 2S 28E21
334-40-11000-2405-3020 Golden Creek	MELOZITNA B-1	65 17 12 65 17 18	153 6 54 153 4 34	K 2S 28E28 K 2S 28E27
334-40-11000-2445 Tozitna River	TANANA A-5 TANANA C-3	65 8 13 65 33 16	152 24 43 151 22 40	F 4N 24W34 F 8N 19W 1
334-40-11000-2445-3091 Dagislakhna Creek	TANANA C-5	65 31 1 65 32 12	152 12 55 152 13 25	F 8N 23W14 F 8N 23W11
334-40-11000-2490 Tanana River	TANANA A-4 TANACROSS A-2	65 9 33 63 3 9	151 57 34 141 52 7	F 4N 22W23 C 15N 19E30
334-40-11000-2490-3060 Cosna River	KANTISHNA RIVER D-3 KANTISHNA RIVER C-4	64 51 42 64 42 52	151 24 16 151 34 46	F 1S 19W 5 F 2S 20W28
334-40-11000-2490-3121 Baker Creek	KANTISHNA RIVER D-1 TANANA A-1	64 58 18 65 5 18	150 28 17 150 17 16	F 2N 14W30 F 3N 13W18
334-40-11000-2490-3121-4020 Hutlinana Creek	TANANA A-1	65 0 36 65 9 40	150 19 57 150 8 28	F 2N 14W11 F 4N 13W23
334-40-11000-2490-3140 Kantishna River	FAIRBANKS D-6 MT MC KINLEY D-4	64 45 42 63 51 58	149 57 52 151 33 18	F 2S 12W 9 F 12S 20W19
334-40-11000-2490-3140-4065 Toklat River	KANTISHNA RIVER B-1 MT MC KINLEY D-1	64 27 16 63 48 47	150 18 41 150 17 2	F 5S 14W27 F 13S 14W 4
334-40-11000-2490-3140-4065-5025	KANTISHNA RIVER B-1 FAIRBANKS A-6	64 21 9 64 11 31	150 12 54 149 58 24	F 6S 13W31 F 8S 12W29
334-40-11000-2490-3140-4065-5025-6015	KANTISHNA RIVER B-1	64 19 24 64 17 59	150 7 31 150 4 5	F 7S 13W 9 F 7S 13W23
334-40-11000-2490-3140-4065-5025-6040	FAIRBANKS A-6	64 12 1 64 11 52	149 57 41 149 54 26	F 8S 12W20 F 8S 12W27
334-40-11000-2490-3140-4065-5070	KANTISHNA RIVER A-1	64 9 57 64 8 59	150 0 27 150 1 16	F 9S 13W 1 F 9S 13W12
334-40-11000-2490-3140-4065-5079 Sushana River	FAIRBANKS A-6	64 9 28 64 0 32	149 59 17 149 53 16	F 9S 12W 6 F 10S 12W34
334-40-11000-2490-3140-4065-5085 East Fort Toklat River	MT MC KINLEY D-1	63 54 16 63 52 45	150 8 36 150 3 33	F 12S 13W 5 F 12S 13W15
334-40-11000-2490-3140-4075 Clear Creek	KANTISHNA RIVER B-1	64 25 2 64 19 24	150 22 32 150 17 8	F 6S 14W 5 F 7S 14W11

Stream/lake	Map Sheet	Lat.	Long.	Legal
334-40-11000-2490-3140-4095	KANTISHNA RIVER B-2 KANTISHNA RIVER A-1	64 15 33 64 14 15	150 35 3 150 20 42	F 7S 15W32 F 8S 14W 9
334-40-11000-2490-3140-4115 Bearpaw River	KANTISHNA RIVER A-2 MT MC KINLEY C-2	64 5 31 63 42 53	150 41 52 150 53 59	F 9S 16W33 F 14S 17W 8
334-40-11000-2490-3140-4115-5029 Flume Creek	KANTISHNA RIVER A-2 MT MC KINLEY D-2	64 0 6 63 56 48	150 47 9 150 44 44	F 10S 17W36 F 11S 16W20
334-40-11000-2490-3140-4115-5029-6019	MT MC KINLEY D-2	63 57 11 63 57 7	150 45 51 150 44 9	F 11S 16W19 F 11S 16W20
334-40-11000-2490-3140-4115-5034 Bear Creek	MT MC KINLEY D-2	63 58 47 63 58 20	150 49 33 150 57 4	F 11S 17W11 F 11S 17W 7
334-40-11000-2490-3140-4115-5034-6011	MT MC KINLEY D-2	63 58 25 63 57 39	150 53 17 150 54 47	F 11S 17W 9 F 11S 17W17
334-40-11000-2490-3140-4115-5034-6011-7006	MT MC KINLEY D-2	63 58 13 63 57 57	150 53 31 150 54 49	F 11S 17W 9 F 11S 17W17
334-40-11000-2490-3140-4115-5035 Otter Creek	MT MC KINLEY D-2	63 55 34 63 53 5	150 49 58 150 47 53	F 11S 17W26 F 12S 17W12
334-40-11000-2490-3140-4115-5035-6011	MT MC KINLEY D-2	63 54 30 63 53 49	150 48 55 150 48 12	F 12S 17W 2 F 12S 17W 1
334-40-11000-2490-3140-4115-5035-6020	MT MC KINLEY D-2	63 53 21 63 53 7	150 48 56 150 49 29	F 12S 17W11 F 12S 17W11
334-40-11000-2490-3140-4115-5040	MT MC KINLEY D-2	63 54 16 63 53 21	150 53 34 150 57 42	F 12S 17W 4 F 12S 17W 7
334-40-11000-2490-3140-4115-5044 Moose Creek	MT MC KINLEY D-2 MT MC KINLEY C-2	63 53 15 63 51 30	150 54 7 150 40 20	F 12S 17W 9 F 16S 16W16
334-40-11000-2490-3140-4115-5044-6005	MT MC KINLEY D-2	63 52 32 63 51 55	150 55 59 150 55 49	F 12S 17W17 F 12S 17W20
334-40-11000-2490-3140-4115-5051	MT MC KINLEY D-2	63 50 22 63 49 53	150 53 38 150 53 9	F 12S 17W28 F 12S 17W33
334-40-11000-2490-3140-4115-5057	MT MC KINLEY D-2	63 48 52 63 47 36	150 54 45 150 54 2	F 13S 17W 6 F 13S 17W17
334-40-11000-2490-3140-4115-5057-6009	MT MC KINLEY D-2	63 48 16 63 47 43	150 54 29 150 53 39	F 13S 17W 7 F 13S 17W17
334-40-11000-2490-3140-4115-5063	MT MC KINLEY D-2	63 46 57 63 46 14	150 56 17 150 54 17	F 13S 18W13 F 13S 17W19
334-40-11000-2490-3140-4115-5069	MT MC KINLEY D-2	63 46 26 63 45 13	150 56 43 150 56 17	F 13S 18W24 F 13S 18W25
334-40-11000-2490-3140-4115-5072 Glacier Creek	MT MC KINLEY C-2	63 43 35 63 40 16	150 58 12 150 59 35	F 14S 18W 2 F 14S 18W26
334-40-11000-2490-3140-4115-5076 Caribou Creek	MT MC KINLEY C-2	63 42 47 63 40 28	150 57 27 150 56 1	F 14S 18W12 F 14S 17W30
334-40-11000-2490-3140-4115-5078	MT MC KINLEY C-2	63 42 47 63 41 31	150 57 9 150 55 24	F 14S 18W12 F 14S 17W19
334-40-11000-2490-3140-4115-5084 Rock Creek	MT MC KINLEY C-2	63 42 47 63 41 42	150 55 16 150 53 30	F 14S 17W 7 F 14S 17W17
334-40-11000-2490-3140-4145 Mckinley River	MT MC KINLEY D-4	63 51 58 63 47 8	151 33 19 151 38 51	F 12S 20W19 F 13S 21W17
334-40-11000-2490-3140-4146 Birch Creek	MT MC KINLEY D-4 MT MC KINLEY B-4	63 52 0 63 28 23	151 33 17 151 51 3	F 12S 20W19 F 17S 22W 6
334-40-11000-2490-3140-4146-5010 Muddy River	MT MC KINLEY D-4 MT MC KINLEY D-5	63 53 9 63 53 28	151 35 43 152 5 44	F 12S 21W11 F 12S 23W 8
334-40-11000-2490-3140-4146-5010-0010 Minchumina, Lake	MT MC KINLEY D-5	63 54 12	152 12 58	F 12S 24W 2
334-40-11000-2490-3140-4146-5010-6020	MT MC KINLEY D-4 KANTISHNA RIVER A-4	63 59 2 64 6 55	151 38 13 151 30 25	F 11S 21W 3 F 9S 20W20
334-40-11000-2490-3140-4146-5010-6020-7020	KANTISHNA RIVER A-4 KANTISHNA RIVER A-3	64 4 9 64 5 27	151 31 54 151 28 57	F 10S 20W 7 F 9S 20W33
334-40-11000-2490-3140-4146-5010-6045 Foraker River	MT MC KINLEY D-5 MT MC KINLEY B-4	63 53 26 63 27 15	152 5 42 151 52 24	F 12S 23W 8 F 17S 23W12
334-40-11000-2490-3140-4146-5010-6045-7810 White Creek	MT MC KINLEY B-4	63 27 14 63 24 34	151 52 26 151 55 31	F 17S 23W12 F 17S 23W27
334-40-11000-2490-3140-4146-5700 Hult Creek	MT MC KINLEY B-4	63 28 23 63 24 43	151 51 3 151 50 0	F 17S 22W 6 F 17S 22W30
334-40-11000-2490-3151 Tolovana River	FAIRBANKS D-6 LIVENGOOD A-5	64 51 3 65 8 33	149 49 50 149 2 20	F 1S 11W 6 F 4N 7W30
334-40-11000-2490-3151-4010	FAIRBANKS D-6	64 52 47 64 54 35	149 47 36 149 45 9	F 1N 11W28 F 1N 11W15
334-40-11000-2490-3151-4020 Chatanika River	LIVENGOOD A-5 CIRCLE B-5	65 5 18 65 17 33	149 17 53 146 23 37	F 3N 9W13 F 5N 7E 6
334-40-11000-2490-3151-4020-5070 Shovel Creek	LIVENGOOD A-3	65 1 40 65 1 25	148 24 18 148 25 33	F 2N 4W 5 F 2N 4W 6

Stream/lake	Map Sheet	Lat.	Long.	Legal
334-40-11000-2490-3151-4020-5080	LIVENGOOD A-3	65 1 31 65 1 20	148 21 0 148 21 37	F 2N 4W 3 F 2N 4W 9
334-40-11000-2490-3151-4020-5090	LIVENGOOD A-3	65 1 50 65 1 26	148 14 56 148 15 4	F 2N 3W 6 F 2N 3W 6
334-40-11000-2490-3151-4020-5093	LIVENGOOD A-3	65 1 53 65 2 15	148 14 26 146 14 24	F 2N 3W 6 F 3N 3W31
334-40-11000-2490-3151-4020-5099	LIVENGOOD A-3	65 2 6 65 2 17	148 10 31 148 10 22	F 2N 3W 4 F 3N 3W33
334-40-11000-2490-3151-4020-5103	LIVENGOOD A-3	65 2 4 65 2 27	148 9 18 148 9 33	F 2N 3W 4 F 3N 3W33
334-40-11000-2490-3151-4020-5110	LIVENGOOD A-3	65 2 10 65 1 52	148 5 41 148 5 2	F 2N 3W 2 F 2N 3W 2
334-40-11000-2490-3151-4020-5115 Hayes Creek	LIVENGOOD A-3	65 2 53 65 3 1	148 4 7 148 4 45	F 3N 3W36 F 3N 3W36
334-40-11000-2490-3151-4020-5120	LIVENGOOD A-3	65 3 2 65 2 28	148 1 47 148 2 3	F 3N 2W31 F 3N 2W31
334-40-11000-2490-3151-4020-5126	LIVENGOOD A-3	65 2 46 65 2 8	148 0 30 148 0 12	F 3N 2W32 F 2N 2W 5
334-40-11000-2490-3151-4020-5140 Sargent Creek	LIVENGOOD A-2	65 3 13 65 2 58	147 50 12 147 50 52	F 3N 1W30 F 3N 2W36
334-40-11000-2490-3151-4020-5165 Poker Creek	LIVENGOOD A-1	65 8 13 65 9 1	147 28 52 147 28 49	F 4N 1E35 F 4N 1E26
334-40-11000-2490-3151-4020-5170 PILOT CREEK	LIVENGOOD A-1	65 8 42 65 8 19	147 25 20 147 24 21	F 4N 2E30 F 4N 2E30
334-40-11000-2490-3151-4020-5180 Kokomo Creek	LIVENGOOD A-1	65 10 39 65 10 31	147 17 10 147 16 31	F 4N 2E14 F 4N 2E14
334-40-11000-2490-3151-4020-5185 Crooked Creek	LIVENGOOD A-1	65 11 59 65 12 37	147 13 29 147 13 43	F 4N 3E 6 F 5N 2E36
334-40-11000-2490-3151-4020-5191 Belle Creek	LIVENGOOD A-1	65 12 25 65 12 48	147 11 2 147 11 38	F 4N 3E 5 F 5N 3E31
334-40-11000-2490-3151-4020-5201 Long Creek	LIVENGOOD A-1	65 13 12 65 13 42	147 4 20 147 4 21	F 5N 3E35 F 5N 3E26
334-40-11000-2490-3151-4020-5216 Flat Creek	CIRCLE A-6	65 13 43 65 13 8	146 52 49 146 52 1	F 5N 4E26 F 5N 4E35
334-40-11000-2490-3151-4020-5235 U.S. Creek	CIRCLE B-6	65 15 48 65 16 13	146 43 32 146 43 31	F 5N 5E16 F 5N 5E 9
334-40-11000-2490-3151-4020-5248	CIRCLE B-6	65 15 52 65 15 41	146 43 0 146 42 40	F 5N 5E16 F 5N 5E15
334-40-11000-2490-3151-4020-5252 Cassiar Creek	CIRCLE B-6	65 16 12 65 16 0	146 41 56 146 41 48	F 5N 5E10 F 5N 5E15
334-40-11000-2490-3151-4020-5259 Cripple Creek	CIRCLE B-6	65 16 26 65 16 56	146 38 29 146 38 44	F 5N 5E12 F 5N 5E11
334-40-11000-2490-3151-4020-5276 Modoc Creek	CIRCLE B-6	65 16 49 65 16 36	146 34 30 146 33 2	F 5N 6E 8 F 5N 6E 8
334-40-11000-2490-3151-4020-5283 Caribou Creek	CIRCLE B-6	65 17 13 65 17 40	146 32 34 146 32 44	F 5N 6E 5 F 5N 6E 5
334-40-11000-2490-3151-4020-5286	CIRCLE B-6	65 17 19 65 17 5	146 32 7 146 31 37	F 5N 6E 4 F 5N 6E 4
334-40-11000-2490-3151-4020-5293 Sourdough Creek	CIRCLE B-5	65 17 9 65 20 18	146 28 55 146 28 16	F 5N 6E 3 F 6N 6E23
334-40-11000-2490-3151-4020-5293-6012 Ruby Creek	CIRCLE B-5	65 18 4 65 18 8	146 28 34 146 28 27	F 6N 6E34 F 6N 6E34
334-40-11000-2490-3151-4020-5300	CIRCLE B-5	65 17 40 65 17 19	146 26 29 146 25 39	F 5N 6E 2 F 5N 6E 1
334-40-11000-2490-3151-4020-5305 Tough Luck Creek	CIRCLE B-5	65 17 50 65 17 54	146 25 27 146 25 29	F 6N 6E36 F 6N 6E36
334-40-11000-2490-3151-4021	FAIRBANKS D-6	64 54 41 64 55 1	149 51 42 149 50 42	F 1N 11W18 F 1N 11W17
334-40-11000-2490-3151-4031	FAIRBANKS D-6	64 55 54 64 56 15	149 48 58 149 49 31	F 1N 11W 8 F 1N 11W 5
334-40-11000-2490-3151-4041	FAIRBANKS D-6	64 56 25 64 56 40	149 46 11 149 47 52	F 1N 11W 3 F 1N 11W 4
334-40-11000-2490-3183	FAIRBANKS D-5 LIVENGOOD A-6	64 55 26 65 0 33	149 16 59 149 32 56	F 1N 9W12 F 2N 10W10
334-40-11000-2490-3200 Nenana River	FAIRBANKS C-5 HEALY D-5	64 33 54 63 54 41	149 6 16 149 0 45	F 4S 8W14 F 11S 7W31
334-40-11000-2490-3200-4011 Seventeenmile Slough	FAIRBANKS C-5 FAIRBANKS B-5	64 31 49 64 24 6	149 7 59 149 13 50	F 4S 8W34 F 6S 9W13
334-40-11000-2490-3200-4011-5015 Julius Creek	FAIRBANKS B-5	64 28 53 64 26 43	149 8 5 149 6 29	F 5S 8W16 F 5S 8W34

Stream/lake	Map Sheet	Lat.	Long.	Legal
334-40-11000-2490-3200-4011-5015-6010 Clear Creek	FAIRBANKS B-5	64 26 43 64 24 40	149 6 30 149 8 21	F 5S 8W34 F 6S 8W 9
334-40-11000-2490-3200-4011-5015-6010-7011 Glacier Creek	FAIRBANKS B-5	64 25 9 64 24 2	149 7 30 149 7 14	F 6S 8W 3 F 6S 8W15
334-40-11000-2490-3200-4011-5015-6010-7011-8010	FAIRBANKS B-5	64 24 2 64 22 9	149 7 13 149 9 24	F 6S 8W15 F 6S 8W28
334-40-11000-2490-3200-4011-5025 Lost Slough	FAIRBANKS B-5	64 26 41 64 18 43	149 10 45 149 15 33	F 5S 8W32 F 7S 9W13
334-40-11000-2490-3200-4011-5025-6011	FAIRBANKS B-5	64 23 50 64 24 32	149 10 4 149 9 23	F 6S 8W17 F 6S 8W 9
334-40-11000-2490-3200-4011-5029	FAIRBANKS B-5	64 26 1 64 23 55	149 11 19 149 11 59	F 5S 8W32 F 6S 8W18
334-40-11000-2490-3200-4028 Teklanika River	FAIRBANKS B-5	64 28 17	149 19 5	F 5S 9W22
334-40-11000-2490-3200-4071 Little Panguingue Creek	HEALY D-5	63 57 14 63 56 49	149 3 58 149 4 13	F 11S 8W23 F 11S 8W23
334-40-11000-2490-3200-4075 Panguingue Creek	HEALY D-5	63 56 29 63 54 49	149 3 25 149 4 58	F 11S 8W23 F 11S 8W34
334-40-11000-2490-3200-4079	HEALY D-5	63 55 28 63 54 52	149 1 53 149 2 56	F 11S 8W36 F 11S 8W35
334-40-11000-2490-3290 Salchaket Slough	FAIRBANKS C-3 FAIRBANKS C-1	64 45 0 64 38 27	148 0 29 147 15 6	F 2S 2W 8 F 3S 2E24
334-40-11000-2490-3290-4010 Clear Creek	FAIRBANKS C-2	64 44 30 64 42 15	147 54 45 147 48 33	F 2S 2W15 F 2S 1W32
334-40-11000-2490-3290-4020	FAIRBANKS C-2 FAIRBANKS C-1	64 44 17 64 41 39	147 40 25 147 27 58	F 2S 1W13 F 2S 1E36
334-40-11000-2490-3290-4020-5010 McDonald Creek	FAIRBANKS C-2	64 42 27 64 40 26	147 36 17 147 33 37	F 2S 1E29 F 3S 1E 9
334-40-11000-2490-3290-4030	FAIRBANKS C-2 FAIRBANKS C-1	64 44 4 64 42 4	147 37 23 147 27 56	F 2S 1E18 F 2S 1E36
334-40-11000-2490-3290-4030-5030	FAIRBANKS C-1	64 42 3 64 37 44	147 27 56 147 19 33	F 2S 1E36 F 3S 2E27
334-40-11000-2490-3301 Chena River	FAIRBANKS D-2 BIG DELTA D-5	64 47 46 64 58 7	147 54 38 146 13 38	F 1S 2W27 F 2N 7E25
334-40-11000-2490-3301-4015 Noyes Slough	FAIRBANKS D-2	64 50 35 64 50 54	147 48 24 147 42 35	F 1S 1W 8 F 1S 1W10
334-40-11000-2490-3301-4035 Mullen Slough	FAIRBANKS D-1 BIG DELTA D-6	64 49 52 64 50 24	147 2 22 146 59 0	F 1S 3E13 F 1S 4E 8
334-40-11000-2490-3301-4040 Horner Creek	BIG DELTA D-6	64 50 19 64 49 45	146 56 0 146 53 21	F 1S 4E10 F 1S 4E14
334-40-11000-2490-3301-4044	BIG DELTA D-6	64 50 47 64 50 51	146 55 34 146 54 53	F 1S 4E10 F 1S 4E10
334-40-11000-2490-3301-4045	BIG DELTA D-6	64 50 53 64 51 13	146 55 11 146 53 50	F 1S 4E10 F 1S 4E 2
334-40-11000-2490-3301-4048	BIG DELTA D-6	64 50 56 64 50 35	146 53 16 146 52 1	F 1S 4E11 F 1S 4E12
334-40-11000-2490-3301-4048-5003	BIG DELTA D-6	64 50 59 64 51 24	146 53 7 146 52 59	F 1S 4E 2 F 1S 4E 2
334-40-11000-2490-3301-4060 Hunts Creek	BIG DELTA D-6	64 51 32 64 51 15	146 47 20 146 45 53	F 1S 5E 5 F 1S 5E 4
334-40-11000-2490-3301-4063 Flat Creek	BIG DELTA D-6	64 52 9 64 52 47	146 46 18 146 46 43	F 1N 5E32 F 1N 5E29
334-40-11000-2490-3301-4071	BIG DELTA D-6	64 53 1 64 54 13	146 43 1 146 44 0	F 1N 5E27 F 1N 5E21
334-40-11000-2490-3301-4078 South Fork Chena River	BIG DELTA D-6	64 53 5 64 50 5	146 40 18 146 30 43	F 1N 5E26 F 1S 6E15
334-40-11000-2490-3301-4085 Colorado Creek	BIG DELTA D-6	64 54 1 64 54 54	146 37 25 146 38 11	F 1N 5E24 F 1N 5E13
334-40-11000-2490-3301-4086	BIG DELTA D-6	64 54 2 64 53 37	146 37 9 146 36 48	F 1N 6E19 F 1N 6E19
334-40-11000-2490-3301-4093	BIG DELTA D-6	64 53 57 64 53 57	146 34 5 146 31 30	F 1N 6E20 F 1N 6E21
334-40-11000-2490-3301-4093-5009	BIG DELTA D-6	64 54 35 64 55 4	146 32 37 146 32 53	F 1N 6E16 F 1N 6E16
334-40-11000-2490-3301-4099 Fourmile Creek	BIG DELTA D-6	64 54 18 64 55 11	146 31 23 146 30 18	F 1N 6E21 F 1N 6E15
334-40-11000-2490-3301-4102	BIG DELTA D-5 BIG DELTA D-6	64 54 4 64 53 33	146 29 50 146 30 59	F 1N 6E22 F 1N 6E27
334-40-11000-2490-3301-4110 Crawford Creek	BIG DELTA D-5	64 53 45 64 53 26	146 25 3 146 25 3	F 1N 7E19 F 1N 7E30

Stream/lake	Map Sheet	Lat.	Long.	Legal
334-40-11000-2490-3151-4020-5080	LIVENGOOD A-3	65 1 31 65 1 20	148 21 0 148 21 37	F 2N 4W 3 F 2N 4W 9
334-40-11000-2490-3151-4020-5090	LIVENGOOD A-3	65 1 50 65 1 26	148 14 56 148 15 4	F 2N 3W 6 F 2N 3W 6
334-40-11000-2490-3151-4020-5093	LIVENGOOD A-3	65 1 53 65 2 15	148 14 26 148 14 24	F 2N 3W 6 F 3N 3W31
334-40-11000-2490-3151-4020-5099	LIVENGOOD A-3	65 2 6 65 2 17	148 10 31 148 10 22	F 2N 3W 4 F 3N 3W33
334-40-11000-2490-3151-4020-5103	LIVENGOOD A-3	65 2 4 65 2 27	148 9 18 148 9 33	F 2N 3W 4 F 3N 3W33
334-40-11000-2490-3151-4020-5110	LIVENGOOD A-3	65 2 10 65 1 52	148 5 41 148 5 2	F 2N 3W 2 F 2N 3W 2
334-40-11000-2490-3151-4020-5115 Hayes Creek	LIVENGOOD A-3	65 2 53 65 3 1	148 4 7 148 4 45	F 3N 3W36 F 3N 3W36
334-40-11000-2490-3151-4020-5120	LIVENGOOD A-3	65 3 2 65 2 28	148 1 47 148 2 3	F 3N 2W31 F 3N 2W31
334-40-11000-2490-3151-4020-5126	LIVENGOOD A-3	65 2 46 65 2 8	148 0 30 148 0 12	F 3N 2W32 F 2N 2W 5
334-40-11000-2490-3151-4020-5140 Sargent Creek	LIVENGOOD A-2	65 3 13 65 2 58	147 50 12 147 50 52	F 3N 1W30 F 3N 2W36
334-40-11000-2490-3151-4020-5165 Poker Creek	LIVENGOOD A-1	65 8 13 65 9 1	147 28 52 147 28 49	F 4N 1E35 F 4N 1E26
334-40-11000-2490-3151-4020-5170 PILOT CREEK	LIVENGOOD A-1	65 8 42 65 8 19	147 25 20 147 24 21	F 4N 2E30 F 4N 2E30
334-40-11000-2490-3151-4020-5180 Kokomo Creek	LIVENGOOD A-1	65 10 39 65 10 31	147 17 10 147 16 31	F 4N 2E14 F 4N 2E14
334-40-11000-2490-3151-4020-5185 Crooked Creek	LIVENGOOD A-1	65 11 59 65 12 37	147 13 29 147 13 43	F 4N 3E 6 F 5N 2E36
334-40-11000-2490-3151-4020-5191 Belle Creek	LIVENGOOD A-1	65 12 25 65 12 48	147 11 2 147 11 38	F 4N 3E 5 F 5N 3E31
334-40-11000-2490-3151-4020-5201 Long Creek	LIVENGOOD A-1	65 13 12 65 13 42	147 4 20 147 4 21	F 5N 3E35 F 5N 3E26
334-40-11000-2490-3151-4020-5216 Flat Creek	CIRCLE A-6	65 13 43 65 13 8	146 52 49 146 52 1	F 5N 4E26 F 5N 4E35
334-40-11000-2490-3151-4020-5235 U.S. Creek	CIRCLE B-6	65 15 48 65 16 13	146 43 32 146 43 31	F 5N 5E16 F 5N 5E 9
334-40-11000-2490-3151-4020-5248	CIRCLE B-6	65 15 52 65 15 41	146 43 0 146 42 40	F 5N 5E16 F 5N 5E15
334-40-11000-2490-3151-4020-5252 Cassiar Creek	CIRCLE B-6	65 16 12 65 16 0	146 41 56 146 41 48	F 5N 5E10 F 5N 5E15
334-40-11000-2490-3151-4020-5259 Cripple Creek	CIRCLE B-6	65 16 26 65 16 56	146 38 29 146 38 44	F 5N 5E12 F 5N 5E11
334-40-11000-2490-3151-4020-5276 Modoc Creek	CIRCLE B-6	65 16 49 65 16 36	146 34 30 146 33 2	F 5N 6E 8 F 5N 6E 8
334-40-11000-2490-3151-4020-5283 Caribou Creek	CIRCLE B-6	65 17 13 65 17 40	146 32 34 146 32 44	F 5N 6E 5 F 5N 6E 5
334-40-11000-2490-3151-4020-5286	CIRCLE B-6	65 17 19 65 17 5	146 32 7 146 31 37	F 5N 6E 4 F 5N 6E 4
334-40-11000-2490-3151-4020-5293 Sourdough Creek	CIRCLE B-5	65 17 9 65 20 18	146 28 55 146 28 16	F 5N 6E 3 F 6N 6E23
334-40-11000-2490-3151-4020-5293-6012 Ruby Creek	CIRCLE B-5	65 18 4 65 18 8	146 28 34 146 28 27	F 6N 6E34 F 6N 6E34
334-40-11000-2490-3151-4020-5300	CIRCLE B-5	65 17 40 65 17 19	146 26 29 146 25 39	F 5N 6E 2 F 5N 6E 1
334-40-11000-2490-3151-4020-5305 Tough Luck Creek	CIRCLE B-5	65 17 50 65 17 54	146 25 27 146 25 29	F 6N 6E36 F 6N 6E36
334-40-11000-2490-3151-4021	FAIRBANKS D-6	64 54 41 64 55 1	149 51 42 149 50 42	F 1N 11W18 F 1N 11W17
334-40-11000-2490-3151-4031	FAIRBANKS D-6	64 55 54 64 56 15	149 48 58 149 49 31	F 1N 11W 8 F 1N 11W 5
334-40-11000-2490-3151-4041	FAIRBANKS D-6	64 56 25 64 56 40	149 46 11 149 47 52	F 1N 11W 3 F 1N 11W 4
334-40-11000-2490-3183	FAIRBANKS D-5 LIVENGOOD A-6	64 55 26 65 0 33	149 16 59 149 32 56	F 1N 9W12 F 2N 10W10
334-40-11000-2490-3200 Nenana River	FAIRBANKS C-5 HEALY D-5	64 33 54 63 54 41	149 6 16 149 0 45	F 4S 8W14 F 11S 7W31
334-40-11000-2490-3200-4011 Seventeenmile Slough	FAIRBANKS C-5 FAIRBANKS B-5	64 31 49 64 24 6	149 7 59 149 13 50	F 4S 8W34 F 6S 9W13
334-40-11000-2490-3200-4011-5015 Julius Creek	FAIRBANKS B-5	64 28 53 64 26 43	149 8 5 149 6 29	F 5S 8W16 F 5S 8W34

Stream/lake	Map Sheet	Lat.	Long.	Legal
334-40-11000-2490-3301-4114 Mastodon Creek	BIG DELTA D-5	64 53 48 64 53 34	146 24 40 146 23 41	F 1N 7E19 F 1N 7E19
334-40-11000-2490-3301-4114-5001	BIG DELTA D-5	64 53 49 64 53 56	146 24 40 146 24 24	F 1N 7E19 F 1N 7E19
334-40-11000-2490-3301-4114-5003	BIG DELTA D-5	64 53 50 64 53 58	146 24 16 146 24 8	F 1N 7E19 F 1N 7E19
334-40-11000-2490-3301-4120	BIG DELTA D-5	64 54 9 64 53 35	146 21 15 146 21 9	F 1N 7E20 F 1N 7E20
334-40-11000-2490-3301-4124 Rock Creek	BIG DELTA D-5	64 54 18 64 53 58	146 20 38 146 19 41	F 1N 7E21 F 1N 7E21
334-40-11000-2490-3301-4130	BIG DELTA D-5	64 55 18 64 55 18	146 19 27 146 16 21	F 1N 7E16 F 1N 7E14
334-40-11000-2490-3301-4140	BIG DELTA D-5	64 56 29 64 57 20	146 15 6 146 0 15	F 1N 7E 2 F 2N 9E31
334-40-11000-2490-3301-4140-5009 East Fork Chena River	BIG DELTA D-5	64 56 28 64 56 52	146 13 37 146 12 58	F 1N 7E 1 F 1N 7E 1
334-40-11000-2490-3301-4140-5019	BIG DELTA D-5	64 56 59 64 57 47	146 6 59 146 6 49	F 1N 8E 4 F 2N 8E34
334-40-11000-2490-3301-4140-5026 Munson Creek	BIG DELTA D-5	64 56 57 64 55 48	146 3 41 146 1 47	F 1N 8E 2 F 1N 8E12
334-40-11000-2490-3315 Piledriver Slough	FAIRBANKS C-1	64 43 18 64 34 15	147 19 21 147 4 22	F 2S 2E22 F 4S 3E14
334-40-11000-2490-3315-4010 Twentythree Mile Slough	FAIRBANKS C-1	64 40 17 64 36 50	147 8 57 147 8 44	F 3S 3E 9 F 3S 3E33
334-40-11000-2490-3325 Little Salcha River	FAIRBANKS C-1 BIG DELTA C-6	64 31 45 64 32 11	147 0 17 146 41 19	F 4S 4E31 F 4S 5E26
334-40-11000-2490-3329 Salcha River	BIG DELTA B-6 BIG DELTA D-2	64 28 1 64 48 48	146 58 40 144 32 55	F 5S 4E21 F 1S 16E21
334-40-11000-2490-3329-4010	BIG DELTA B-6	64 28 37 64 28 22	146 53 27 146 51 25	F 5S 4E14 F 5S 4E24
334-40-11000-2490-3329-4050 Redmond Creek	BIG DELTA B-6	64 29 21 64 27 32	146 33 33 146 31 28	F 5S 6E 9 F 5S 6E27
334-40-11000-2490-3329-4060 McCoy Creek	BIG DELTA C-5 BIG DELTA B-5	64 30 54 64 29 25	146 23 49 146 20 33	F 5S 7E 5 F 5S 7E10
334-40-11000-2490-3329-4063	BIG DELTA C-5	64 31 14 64 31 32	146 23 16 146 23 40	F 4S 7E32 F 4S 7E32
334-40-11000-2490-3329-4063-5003	BIG DELTA C-5	64 31 27 64 31 36	146 23 20 146 23 2	F 4S 7E32 F 4S 7E32
334-40-11000-2490-3329-4070 Koepke Slough	BIG DELTA C-5	64 32 11 64 32 13	146 19 12 146 16 59	F 4S 7E27 F 4S 7E26
334-40-11000-2490-3329-4070-5020	BIG DELTA C-5	64 31 58 64 32 22	146 17 13 146 16 9	F 4S 7E26 F 4S 7E26
334-40-11000-2490-3329-4070-5020-6004 Twentyfive Mile Creek	BIG DELTA C-5	64 31 46 64 31 20	146 16 40 146 15 7	F 4S 7E35 F 4S 7E36
334-40-11000-2490-3329-4079 Ninetynight Creek	BIG DELTA C-5	64 33 8 64 34 5	146 15 40 146 18 0	F 4S 7E24 F 4S 7E14
334-40-11000-2490-3329-4084	BIG DELTA C-5	64 34 45 64 34 49	146 9 30 146 7 17	F 4S 8E 9 F 4S 8E10
334-40-11000-2490-3329-4088 Flat Creek	BIG DELTA C-5	64 35 15 64 34 23	146 7 35 146 4 20	F 4S 8E10 F 4S 8E14
334-40-11000-2490-3329-4092 Deep Creek	BIG DELTA C-4	64 38 2 64 36 49	145 54 51 145 53 1	F 3S 9E22 F 3S 9E35
334-40-11000-2490-3329-4092-5013	BIG DELTA C-4	64 37 9 64 37 3	145 53 1 145 52 50	F 3S 9E26 F 3S 9E35
334-40-11000-2490-3329-4095 Butte Creek	BIG DELTA C-4	64 38 36 64 39 34	145 52 42 145 51 28	F 3S 9E23 F 3S 9E13
334-40-11000-2490-3329-4106	BIG DELTA C-4	64 39 0 64 39 56	145 47 28 145 38 30	F 3S 10E17 F 3S 10E12
334-40-11000-2490-3329-4111 Caribou Creek	BIG DELTA C-4	64 40 1 64 40 47	145 42 28 145 42 47	F 3S 10E10 F 3S 10E 3
334-40-11000-2490-3329-4130	BIG DELTA C-3	64 38 41 64 38 3	145 29 50 145 29 23	F 3S 11E22 F 3S 11E23
334-40-11000-2490-3329-4133 Goose Creek	BIG DELTA C-3	64 38 37 64 39 20	145 28 17 145 27 55	F 3S 11E23 F 3S 11E14
334-40-11000-2490-3329-4138 South Fork Camp Creek	BIG DELTA C-3	64 39 5 64 38 12	145 25 36 145 25 33	F 3S 12E18 F 3S 12E19
334-40-11000-2490-3329-4144	BIG DELTA C-3	64 38 35 64 38 19	145 23 4 145 21 49	F 3S 12E20 F 3S 12E20
334-40-11000-2490-3329-4144-5006	BIG DELTA C-3	64 38 35 64 38 22	145 22 41 145 22 31	F 3S 12E20 F 3S 12E20

Stream/lake	Map Sheet	Lat.	Long.	Legal
334-40-11000-2490-3329-4147 North Fork Salcha River	BIG DELTA C-3	64 38 58 64 40 58	145 20 9 145 17 32	F 3S 12E16 F 3S 12E 2
334-40-11000-2490-3329-4147-5010	BIG DELTA C-3	64 39 44 64 39 50	145 18 46 145 17 58	F 3S 12E10 F 3S 12E10
334-40-11000-2490-3329-4150	BIG DELTA C-3	64 38 37 64 38 24	145 19 44 145 19 45	F 3S 12E22 F 3S 12E21
334-40-11000-2490-3329-4153	BIG DELTA C-3	64 38 46 64 38 57	145 18 52 145 18 26	F 3S 12E22 F 3S 12E15
334-40-11000-2490-3329-4155	BIG DELTA C-3	64 38 45 64 38 51	145 18 45 145 18 20	F 3S 12E22 F 3S 12E15
334-40-11000-2490-3329-4158	BIG DELTA C-3	64 38 8 64 37 56	145 16 38 145 16 43	F 3S 12E23 F 3S 12E26
334-40-11000-2490-3329-4162	BIG DELTA C-3	64 37 59 64 37 34	145 15 31 145 15 38	F 3S 12E25 F 3S 12E25
334-40-11000-2490-3329-4168	BIG DELTA C-3	64 37 46 64 37 33	145 14 28 145 14 37	F 3S 12E25 F 3S 12E25
334-40-11000-2490-3329-4175	BIG DELTA C-3	64 37 37 64 37 24	145 11 41 145 9 51	F 3S 13E29 F 3S 13E29
334-40-11000-2490-3329-4175-5011	BIG DELTA C-3	64 37 42 64 37 59	145 10 46 145 10 47	F 3S 13E29 F 3S 13E29
334-40-11000-2490-3329-4178	BIG DELTA C-3	64 37 24 64 37 9	145 10 48 145 10 30	F 3S 13E29 F 3S 13E29
334-40-11000-2490-3329-4182	BIG DELTA C-3	64 37 23 64 37 15	145 8 18 145 7 47	F 3S 13E28 F 3S 13E28
334-40-11000-2490-3329-4188	BIG DELTA C-3	64 38 5 64 38 4	145 7 17 145 6 16	F 3S 13E22 F 3S 13E22
334-40-11000-2490-3329-4191 Stone Boys Tent Creek	BIG DELTA C-3	64 38 31 64 38 46	145 4 41 145 4 41	F 3S 13E23 F 3S 13E23
334-40-11000-2490-3329-4194	BIG DELTA C-3	64 38 13 64 37 55	145 3 59 145 4 7	F 3S 13E23 F 3S 13E26
334-40-11000-2490-3329-4198	BIG DELTA C-3	64 38 29 64 38 12	145 2 57 145 2 28	F 3S 13E24 F 3S 13E24
334-40-11000-2490-3329-4201	BIG DELTA C-3	64 39 2 64 39 6	145 2 26 145 3 5	F 3S 13E13 F 3S 13E13
334-40-11000-2490-3329-4206 Lower Boulder Creek	BIG DELTA C-3 BIG DELTA C-2	64 39 3 64 38 54	145 1 15 144 58 49	F 3S 14E18 F 3S 14E17
334-40-11000-2490-3329-4209	BIG DELTA C-3	64 39 13 64 39 13	145 1 13 145 1 52	F 3S 14E18 F 3S 13E13
334-40-11000-2490-3329-4211 Maiden Creek	BIG DELTA C-2	64 39 30 64 40 2	144 58 8 144 58 40	F 3S 14E17 F 3S 14E 8
334-40-11000-2490-3329-4220 Upper Boulder Creek	BIG DELTA C-2	64 39 36 64 39 18	144 56 20 144 56 27	F 3S 14E16 F 3S 14E16
334-40-11000-2490-3329-4222	BIG DELTA C-2	64 39 34 64 39 40	144 56 6 144 54 19	F 3S 14E16 F 3S 14E15
334-40-11000-2490-3329-4234	BIG DELTA C-2	64 40 47 64 40 1	144 52 42 144 52 23	F 3S 14E 2 F 3S 14E11
334-40-11000-2490-3329-4234-5003	BIG DELTA C-2	64 40 42 64 41 41	144 52 35 144 52 17	F 3S 14E 2 F 2S 14E35
334-40-11000-2490-3329-4235	BIG DELTA C-2	64 40 51 64 42 10	144 52 43 144 51 55	F 3S 14E 2 F 2S 14E35
334-40-11000-2490-3329-4235-5010	BIG DELTA C-2	64 41 46 64 41 30	144 53 2 144 52 38	F 2S 14E35 F 2S 14E35
334-40-11000-2490-3329-4240 Porcupine Creek	BIG DELTA C-2	64 42 11 64 40 57	144 51 26 144 50 23	F 2S 14E36 F 3S 14E 1
334-40-11000-2490-3329-4242	BIG DELTA C-2	64 42 11 64 41 43	144 51 22 144 49 50	F 2S 14E36 F 2S 14E36
334-40-11000-2490-3329-4249	BIG DELTA C-2	64 42 8 64 42 49	144 48 48 144 49 41	F 2S 15E31 F 2S 14E25
334-40-11000-2490-3329-4252	BIG DELTA C-2	64 42 8 64 41 41	144 48 13 144 47 34	F 2S 15E31 F 2S 15E32
334-40-11000-2490-3329-4256	BIG DELTA C-2	64 42 21 64 42 32	144 47 39 144 46 59	F 2S 15E30 F 2S 15E29
334-40-11000-2490-3329-4256-5008	BIG DELTA C-2	64 42 20 64 42 1	144 47 7 144 46 23	F 2S 15E29 F 2S 15E32
334-40-11000-2490-3329-4260	BIG DELTA C-2	64 42 47 64 42 27	144 45 32 144 44 53	F 2S 15E28 F 2S 15E28
334-40-11000-2490-3329-4267	BIG DELTA C-2	64 43 11 64 43 19	144 45 25 144 46 27	F 2S 15E21 F 2S 15E20
334-40-11000-2490-3329-4268	BIG DELTA C-2	64 43 6 64 43 21	144 45 21 144 44 13	F 2S 15E28 F 2S 15E21

Stream/lake	Map Sheet	Lat.	Long.	Legal
334-40-11000-2490-3329-4271	BIG DELTA C-2	64 43 49 64 43 52	144 44 46 144 45 18	F 2S 15E21 F 2S 15E21
334-40-11000-2490-3329-4285	BIG DELTA C-2	64 44 31 64 44 55	144 41 33 144 39 46	F 2S 15E15 F 2S 15E11
334-40-11000-2490-3329-4290	BIG DELTA C-2	64 44 38 64 44 29	144 39 42 144 39 27	F 2S 15E14 F 2S 15E13
334-40-11000-2490-3329-4293	BIG DELTA C-2 BIG DELTA D-2	64 45 0 64 45 12	144 38 58 144 38 59	F 2S 15E12 F 2S 15E12
334-40-11000-2490-3329-4296	BIG DELTA C-2	64 45 0 64 44 40	144 38 29 144 37 57	F 2S 15E12 F 2S 15E13
334-40-11000-2490-3329-4296-5004	BIG DELTA C-2	64 44 51 64 44 34	144 38 8 144 38 10	F 2S 15E13 F 2S 15E13
334-40-11000-2490-3329-4298	BIG DELTA D-2	64 45 6 64 45 8	144 38 15 144 37 32	F 2S 15E12 F 2S 15E12
334-40-11000-2490-3329-4304	BIG DELTA D-2	64 46 12 64 46 11	144 37 37 144 36 37	F 2S 15E 1 F 2S 16E 6
334-40-11000-2490-3329-4307	BIG DELTA D-2	64 46 33 64 46 39	144 37 28 144 38 1	F 2S 16E 6 F 1S 15E36
334-40-11000-2490-3329-4310 Stone Boy Creek	BIG DELTA D-2	64 46 41 64 46 37	144 36 45 144 35 2	F 1S 16E31 F 2S 16E 5
334-40-11000-2490-3329-4315	BIG DELTA D-2	64 46 56 64 47 11	144 36 17 144 36 38	F 1S 16E31 F 1S 16E31
334-40-11000-2490-3329-4321	BIG DELTA D-2	64 47 42 64 47 50	144 35 27 144 36 5	F 1S 16E29 F 1S 16E30
334-40-11000-2490-3329-4324	BIG DELTA D-2	64 47 58 64 47 57	144 34 50 144 33 48	F 1S 16E29 F 1S 16E29
334-40-11000-2490-3329-4324-5005	BIG DELTA D-2	64 47 56 64 47 48	144 34 18 144 33 57	F 1S 16E29 F 1S 16E29
334-40-11000-2490-3329-4330 Paldo Creek	BIG DELTA D-2	64 48 46 64 48 40	144 32 56 144 32 9	F 1S 16E21 F 1S 16E21
334-40-11000-2490-3338	FAIRBANKS B-1 BIG DELTA B-6	64 24 11 64 20 45	147 1 27 146 57 12	F 6S 4E 7 F 6S 4E33
334-40-11000-2490-3340	BIG DELTA A-4	64 12 30 64 10 19	145 59 55 145 54 59	F 8S 9E20 F 8S 9E35
334-40-11000-2490-3356	BIG DELTA B-6	64 18 24 64 16 55	146 48 10 146 46 36	F 7S 5E17 F 7S 5E28
334-40-11000-2490-3362	BIG DELTA B-6 BIG DELTA A-5	64 15 34 64 14 17	146 34 26 146 25 24	F 7S 6E33 F 8S 7E 7
334-40-11000-2490-3370 Clear Creek	BIG DELTA A-5 BIG DELTA A-4	64 14 33 64 9 49	146 16 27 145 58 37	F 8S 7E12 F 9S 9E 4
334-40-11000-2490-3370-4030	BIG DELTA A-5	64 11 43 64 9 21	146 9 38 146 9 18	F 8S 8E28 F 9S 8E10
334-40-11000-2490-3370-4032	BIG DELTA A-5	64 11 27 64 11 17	146 8 49 146 7 57	F 8S 8E27 F 8S 8E27
334-40-11000-2490-3370-4040	BIG DELTA A-5	64 11 10 64 9 38	146 5 17 146 3 6	F 8S 8E26 F 9S 9E 6
334-40-11000-2490-3373 Tenderfoot Creek	BIG DELTA B-5	64 15 4 64 16 3	146 11 40 146 12 8	F 8S 8E 5 F 7S 8E32
334-40-11000-2490-3375 Shaw Creek	BIG DELTA B-5 BIG DELTA B-4	64 15 20 64 17 27	146 8 54 145 41 23	F 8S 8E 3 F 7S 10E23
334-40-11000-2490-3375-4015 Caribou Creek	BIG DELTA B-5	64 16 1 64 16 6	146 0 54 146 0 0	F 7S 9E32 F 7S 9E32
334-40-11000-2490-3382	BIG DELTA A-4	64 9 25 64 8 41	145 52 12 145 52 25	F 9S 10E 6 F 9S 10E 7
334-40-11000-2490-3390	BIG DELTA A-4	64 9 20 64 8 1	145 51 27 145 50 45	F 9S 10E 7 F 9S 10E18
334-40-11000-2490-3398	BIG DELTA A-4	64 10 8 64 10 16	145 47 7 145 44 45	F 9S 10E 4 F 8S 10E34
334-40-11000-2490-3407 Goodpaster River	BIG DELTA A-4 BIG DELTA B-2	64 9 54 64 29 24	145 37 49 144 33 36	F 9S 11E 5 F 5S 16E10
334-40-11000-2490-3407-4010	BIG DELTA A-4	64 10 17 64 9 10	145 35 53 145 31 8	F 8S 11E32 F 9S 11E11
334-40-11000-2490-3407-4010-5004	BIG DELTA A-4	64 10 12 64 9 39	145 35 3 145 34 22	F 9S 11E 4 F 9S 11E 3
334-40-11000-2490-3407-4020	BIG DELTA A-4	64 10 8 64 9 50	145 33 1 145 32 46	F 9S 11E 3 F 9S 11E 2
334-40-11000-2490-3407-4035	BIG DELTA A-3	64 8 27 64 8 48	145 23 53 145 23 12	F 9S 12E16 F 9S 12E 9
334-40-11000-2490-3407-4040	BIG DELTA A-3	64 8 31 64 7 55	145 22 32 145 21 33	F 9S 12E15 F 9S 12E15

Stream/lake	Map Sheet	Lat.	Long.	Legal
334-40-11000-2490-3407-4046	BIG DELTA A-3	64 8 23 64 8 8	145 21 9 145 19 7	F 9S 12E14 F 9S 12E13
334-40-11000-2490-3407-4050	BIG DELTA A-3	64 9 10 64 8 33	145 19 13 145 17 42	F 9S 12E12 F 9S 12E12
334-40-11000-2490-3407-4065 Liscum Slough	BIG DELTA A-3	64 11 13 64 11 58	145 14 57 145 15 12	F 8S 13E30 F 8S 13E30
334-40-11000-2490-3407-4070	BIG DELTA A-3	64 11 51 64 11 34	145 11 49 145 10 35	F 8S 13E29 F 8S 13E28
334-40-11000-2490-3407-4076 South Fork Goodpaster River	BIG DELTA A-3	64 12 20 64 11 52	145 10 14 145 3 56	F 8S 13E21 F 8S 13E25
334-40-11000-2490-3407-4076-5016	BIG DELTA A-3	64 11 33 64 11 7	145 7 28 145 7 32	F 8S 13E26 F 8S 13E35
334-40-11000-2490-3407-4090	BIG DELTA B-3	64 16 17 64 16 37	145 9 22 145 9 4	F 7S 13E34 F 7S 13E27
334-40-11000-2490-3407-4098	BIG DELTA B-3	64 16 40 64 17 3	145 9 21 145 7 43	F 7S 13E27 F 7S 13E27
334-40-11000-2490-3407-4115 Tenmile Creek	BIG DELTA B-3	64 17 10 64 18 6	145 9 22 145 10 7	F 7S 13E27 F 7S 13E16
334-40-11000-2490-3407-4118	BIG DELTA B-3	64 19 13 64 19 15	145 5 42 145 4 59	F 7S 13E11 F 7S 13E12
334-40-11000-2490-3407-4121 Sevemile Creek	BIG DELTA B-3	64 19 39 64 20 23	145 5 51 145 6 42	F 7S 13E11 F 7S 13E 2
334-40-11000-2490-3407-4125	BIG DELTA B-3	64 19 39 64 20 6	145 4 56 145 4 35	F 7S 13E12 F 7S 13E 1
334-40-11000-2490-3407-4129	SIG DELTA B-3	64 20 19 64 20 29	145 1 45 145 1 59	F 7S 14E 6 F 7S 14E 6
334-40-11000-2490-3407-4136	BIG DELTA B-2	64 19 58 64 20 25	144 59 41 144 58 56	F 7S 14E 5 F 7S 14E 4
334-40-11000-2490-3407-4140	BIG DELTA B-2	64 21 1 64 20 19	144 59 5 144 56 49	F 6S 14E33 F 7S 14E 3
334-40-11000-2490-3407-4144	BIG DELTA B-2	64 21 29 64 21 43	144 58 8 144 55 59	F 6S 14E33 F 6S 14E27
334-40-11000-2490-3407-4148	BIG DELTA B-2	64 21 55 64 22 2	144 57 28 144 55 38	F 6S 14E27 F 6S 14E26
334-40-11000-2490-3407-4150 Central Creek	BIG DELTA B-2	64 22 26 64 22 51	144 57 10 144 51 44	F 6S 14E22 F 6S 14E24
334-40-11000-2490-3407-4150-5014	BIG DELTA B-2	64 23 2 64 22 40	144 52 54 144 52 6	F 6S 14E24 F 6S 14E24
334-40-11000-2490-3407-4151	BIG DELTA B-2	64 22 10 64 23 1	144 57 51 144 57 49	F 6S 14E28 F 6S 14E21
334-40-11000-2490-3407-4151-5005	BIG DELTA B-2	64 22 22 64 22 21	144 58 15 144 58 51	F 6S 14E28 F 6S 14E28
334-40-11000-2490-3407-4156	BIG DELTA B-2	64 22 34 64 24 7	144 56 57 144 55 36	F 6S 14E22 F 6S 14E14
334-40-11000-2490-3407-4164	BIG DELTA B-2	64 24 47 64 24 45	144 56 46 144 55 25	F 6S 14E10 F 6S 14E11
334-40-11000-2490-3407-4167	BIG DELTA B-2	64 24 54 64 25 36	144 56 53 144 56 10	F 6S 14E10 F 6S 14E 3
334-40-11000-2490-3407-4168	BIG DELTA B-2	64 25 18 64 25 18	144 55 45 144 55 20	F 6S 14E 3 F 6S 14E 2
334-40-11000-2490-3407-4169	BIG DELTA B-2	64 26 4 64 25 53	144 55 50 144 58 13	F 5S 14E34 F 5S 14E33
334-40-11000-2490-3407-4175	BIG DELTA B-2	64 26 26 64 26 41	144 56 39 144 57 45	F 5S 14E34 F 5S 14E33
334-40-11000-2490-3407-4175-5003	BIG DELTA B-2	64 26 28 64 26 26	144 56 52 144 58 6	F 5S 14E34 F 5S 14E33
334-40-11000-2490-3407-4179	BIG DELTA B-2	64 27 6 64 27 44	144 56 34 144 57 28	F 5S 14E27 F 5S 14E22
334-40-11000-2490-3407-4187 Indian Creek	BIG DELTA B-2	64 28 36 64 29 56	144 54 47 144 56 39	F 5S 14E14 F 5S 14E10
334-40-11000-2490-3407-4191	BIG DELTA B-2	64 28 54 64 29 41	144 53 52 144 53 31	F 5S 14E14 F 5S 14E12
334-40-11000-2490-3407-4195	BIG DELTA B-2	64 29 3 64 29 53	144 52 33 144 51 48	F 5S 14E13 F 5S 14E12
334-40-11000-2490-3407-4207	BIG DELTA B-2	64 29 25 64 29 40	144 45 52 144 46 8	F 5S 15E 9 F 5S 15E 9
334-40-11000-2490-3407-4211	BIG DELTA B-2	64 29 25 64 29 49	144 45 25 144 45 5	F 5S 15E10 F 5S 15E10
334-40-11000-2490-3407-4217	BIG DELTA B-2	64 28 34 64 28 59	144 42 50 144 42 44	F 5S 15E14 F 5S 15E14

Stream/lake	Map Sheet	Lat.	Long.	Legal
334-40-11000-2490-3407-4221 Glacier Creek	BIG DELTA B-2	64 28 10 64 28 46	144 40 25 144 39 56	F 5S 15E24 F 5S 15E13
334-40-11000-2490-3407-4227	BIG DELTA B-2	64 29 2 64 29 27	144 37 8 144 37 30	F 5S 16E17 F 5S 16E 8
334-40-11000-2490-3407-4233	BIG DELTA B-2	64 29 12 64 29 42	144 35 44 144 35 46	F 5S 16E16 F 5S 16E 9
334-40-11000-2490-3407-4238	BIG DELTA B-2	64 29 15 64 28 51	144 34 12 144 34 10	F 5S 16E16 F 5S 16E16
334-40-11000-2490-3412	BIG DELTA A-4	64 6 45 64 5 36	145 35 53 145 35 44	F 9S 11E28 F 9S 11E33
334-40-11000-2490-3412-0010 Clearwater Lake	BIG DELTA A-4	64 5 6	145 35 42	F 9S 11E33
334-40-11000-2490-3416 Clearwater Creek	BIG DELTA A-4 BIG DELTA A-3	64 6 11 64 0 15	145 33 36 145 12 26	F 9S 11E27 F 10S 13E33
334-40-11000-2490-3416-4001	BIG DELTA A-4 BIG DELTA A-3	64 5 35 64 5 11	145 32 38 145 27 46	F 9S 11E35 F 9S 12E31
334-40-11000-2490-3416-4004	BIG DELTA A-3 BIG DELTA A-4	64 4 8 64 4 9	145 29 56 145 30 53	F 10S 11E12 F 10S 11E12
334-40-11000-2490-3416-4005	BIG DELTA A-3	64 4 5 64 4 1	145 29 29 145 28 28	F 10S 11E12 F 10S 12E 7
334-40-11000-2490-3416-4006	BIG DELTA A-3	64 3 54 64 3 47	145 28 56 145 28 46	F 10S 12E 7 F 10S 12E 7
334-40-11000-2490-3416-4007	BIG DELTA A-3	64 3 46 64 4 1	145 28 4 145 27 48	F 10S 12E 7 F 10S 12E 7
334-40-11000-2490-3416-4008	BIG DELTA A-3	64 3 41 64 3 38	145 27 57 145 28 12	F 10S 12E 7 F 10S 12E 7
334-40-11000-2490-3416-4009	BIG DELTA A-3	64 3 46 64 4 5	145 26 54 145 26 46	F 10S 12E 8 F 10S 12E 8
334-40-11000-2490-3416-4011	BIG DELTA A-3	64 3 26 64 3 52	145 26 7 145 26 31	F 10S 12E 8 F 10S 12E 8
334-40-11000-2490-3416-4012	BIG DELTA A-3	64 3 9 64 3 1	145 25 7 145 24 0	F 10S 12E16 F 10S 12E16
334-40-11000-2490-3416-4015	BIG DELTA A-3	64 3 23 64 3 39	145 22 50 145 22 38	F 10S 12E10 F 10S 12E10
334-40-11000-2490-3416-4018	BIG DELTA A-3	64 2 57 64 2 28	145 22 11 145 21 52	F 10S 12E15 F 10S 12E22
334-40-11000-2490-3416-4020 Sawmill Creek	BIG DELTA A-3 MT HAYES D-3	64 2 52 63 59 13	145 20 22 145 14 57	F 10S 12E14 F 11S 13E 5
334-40-11000-2490-3416-4020-5010	BIG DELTA A-3	64 2 20 64 1 49	145 20 9 145 20 22	F 10S 12E23 F 10S 12E23
334-40-11000-2490-3416-4020-5010-0010	BIG DELTA A-3	64 1 42	145 20 22	F 10S 12E23
334-40-11000-2490-3416-4020-5014	BIG DELTA A-3	64 2 16 64 1 55	145 19 20 145 19 25	F 10S 12E23 F 10S 12E23
334-40-11000-2490-3416-4020-5020 Granite Creek	BIG DELTA A-3 MT HAYES O-3	64 1 27 63 59 37	145 18 2 145 17 34	F 10S 12E25 F 11S 12E 1
334-40-11000-2490-3416-4028	BIG DELTA A-3	64 1 17 64 1 9	145 15 39 145 14 19	F 10S 13E30 F 10S 13E29
334-40-11000-2490-3416-4030	BIG DELTA A-3	64 0 54 64 0 6	145 15 19 145 14 16	F 10S 13E29 F 10S 13E32
334-40-11000-2490-3416-4030-5007	BIG DELTA A-3	64 0 32 64 0 11	145 14 39 145 13 51	F 10S 13E32 F 10S 13E32
334-40-11000-2490-3440 Johnson Slough	MT HAYES C-2 MT HAYES C-1	63 42 40 63 42 40	144 34 58 144 23 3	F 14S 16E11 C 22N 5E 2
334-40-11000-2490-3702 Nabesna River	TANACROSS A-2 NABESNA D-2	63 2 58 62 59 3	141 51 50 141 57 18	C 15N 19E29 C 14N 18E23
334-40-11000-2490-3703 Chisana River	TANACROSS A-2 NABESNA B-2	63 2 42 62 16 55	141 51 35 141 48 45	C 15N 19E32 C 6N 19E24
334-40-11000-2503 Morlock Creek	TANANA B-3	65 15 52 65 18 2	151 18 3 151 17 36	F 5N 18W17 F 6N 18W32
334-40-11000-2521 Bear Creek	TANANA B-2 TANANA B-3	65 21 44 65 24 30	150 59 41 151 6 25	F 6N 17W11 F 7N 17W29
334-40-11000-2533 Canyon Creek	TANANA B-2	65 25 46 65 28 7	150 48 9 150 48 59	F 7N 16W14 F 7N 16W 3
334-40-11000-2538 Fish Creek	TANANA B-2	65 25 20 65 23 44	150 45 11 150 46 4	F 7N 16W24 F 7N 16W36
334-40-11000-2599 Squaw Creek	TANANA C-1	65 31 5 65 32 44	150 9 30 150 20 39	F 8N 13W14 F 8N 14W 1
334-40-11000-2600 Minook Creek	TANANA C-1 TANANA B-1	65 31 8 65 25 57	150 8 17 150 6 28	F 8N 13W13 F 7N 12W18

Stream/lake	Map Sheet	Lat.	Long.	Legal
334-40-11000-2650 Hess Creek	LIVENGOOD C-6	65 40 20 65 41 18	149 48 28 149 37 31	F 10N 11W22 F 10N 10W15
334-40-11000-2681 Big Salt River	LIVENGOOD D-6 TANANA D-1	65 51 3 65 53 11	149 54 24 150 9 0	F 12N 11W20 F 12N 13W12
334-40-11000-2703 Dall River	BEAVER A-5 BEAVER A-6	66 0 26 66 13 19	149 15 27 149 42 28	F 14N 8W28 F 16N 10W 8
334-40-11000-2799 Hodzana Slough	BEAVER A-2 BEAVER B-2	66 14 9 66 16 56	147 53 37 147 42 29	F 16N 2W 2 F 17N 1W23
334-40-11000-2799-3004 Hodzana River	BEAVER B-2 BEAVER C-4	66 17 18 66 42 49	147 43 11 148 49 59	F 17N 1W22 F 22N 6W22
334-40-11000-2800	BEAVER A-2	66 13 48 66 12 37	147 51 35 147 33 14	F 16N 2W12 F 16N 1E16
334-40-11000-2805 Whirlpool Slough	BEAVER B-2	66 16 57 66 17 8	147 40 6 147 38 34	F 17N 1W24 F 17N 1W24
334-40-11000-2810 Beaver Slough	BEAVER A-2 BEAVER B-1	66 14 57 66 18 2	147 35 49 147 26 1	F 16N 1E 5 F 17N 1E13
334-40-11000-2810-3100 Beaver Creek	BEAVER A-2 LIVENGOOD B-2	66 12 37 65 25 40	147 33 13 147 46 45	F 16N 1E16 F 7N 1W16
334-40-11000-2810-3100-4200 Victoria Creek	CIRCLE D-6	65 48 22 65 49 9	146 38 46 146 40 37	F 11N 5E 2 F 12N 5E34
334-40-11000-2820	BEAVER B-1	66 18 30 66 20 49	147 29 1 147 22 37	F 17N 1E11 F 18N 2E32
334-40-11000-2820-3010 Fish Slough	BEAVER B-1	66 18 48 66 19 42	147 22 58 147 14 5	F 17N 2E 8 F 17N 2E 1
334-40-11000-2831 Jack Uheen Slough	BEAVER B-1	66 20 30 66 24 7	147 13 58 147 8 10	F 18N 2E36 F 18N 3E 9
334-40-11000-2860 Lower Birch Creek Slough	FORT YUKON B-6	66 27 4 66 28 23	146 50 2 146 35 43	F 19N 4E26 F 19N 5E13
334-40-11000-2860-3030 Lower Mouth Birch Creek	FORT YUKON B-6 FORT YUKON B-4	66 26 48 66 16 13	146 38 15 145 30 14	F 19N 5E26 F 17N 10E25
334-40-11000-2860-3030-4080 Birch Creek	FORT YUKON B-4 CIRCLE B-2	66 16 16 65 19 44	145 30 10 144 52 57	F 17N 10E25 F 6N 14E21
334-40-11000-2860-3030-4080-5100 Bluff Creek	CIRCLE D-1	65 46 11 65 46 39	144 18 58 144 20 47	F 11N 16E24 F 11N 16E14
334-40-11000-2860-3030-4080-5200	CIRCLE B-1	65 25 42 65 24 51	144 16 27 144 17 31	F 7N 17E17 F 7N 17E20
334-40-11000-2860-3030-4080-5311 Sheep Creek	CIRCLE B-2	65 19 30 65 19 27	144 31 36 144 31 52	F 6N 16E30 F 6N 16E30
334-40-11000-2863	FORT YUKON B-6 BEAVER	66 28 1 66 43 42	146 51 11 147 6 24	F 19N 4E14 F 22N 3E16
334-40-11000-2870	FORT YUKON B-6 FORT YUKON C-6	66 29 50 66 30 33	146 39 46 146 32 21	F 19N 5E 3 F 19N 6E 6
334-40-11000-2900 Upper Mouth Birch Creek	FORT YUKON C-5 FORT YUKON B-4	66 31 37 66 16 15	146 12 1 145 30 12	F 20N 7E26 F 17N 10E25
334-40-11000-2925 Chandalar River	FORT YUKON C-5 CHANDALAR A-4	66 36 33 67 11 22	146 0 15 148 30 49	F 21N 8E34 F 27N 4W 6
334-40-11000-2925-3062 Christian River	FORT YUKON C-4 FORT YUKON D-3	66 40 6 66 49 21	145 56 21 145 30 0	F 21N 8E 2 F 23N 10E14
334-40-11000-2925-3250 East Fork Chandalar River	CHANDALAR CHRISTIAN	67 5 44 67 38 3	147 13 33 146 3 58	F 26N 2E12 F 32N 8E 6
334-40-11000-2925-3391 West Fork Chandalar River	CHANDALAR A-4	67 11 22 67 12 14	148 30 50 148 38 20	F 27N 4W 6 F 28N 5W33
334-45-11000 Yukon River	FORT YUKON C-3 EAGLE C-1	66 34 12 64 41 2	145 18 42 141 0 0	F 20N 11E12 F 3S 33E 1
334-45-11000-2001 Porcupine River	FORT YUKON C-3 COLEEN B-1	66 34 36 67 24 39	145 18 50 141 0 0	F 20N 11E12 F 30N 30E22
334-45-11000-2001-3050 Black River Slough	FORT YUKON C-2	66 38 42 66 41 45	144 55 0 144 41 37	F 21N 13E15 F 22N 14E34
334-45-11000-2001-3050-4030	FORT YUKON C-2	66 39 56 66 40 26	144 43 31 144 37 46	F 21N 14E 9 F 21N 14E 2
334-45-11000-2001-3050-4040 Black River	FORT YUKON C-2 BLACK RIVER A-3	66 41 13 66 9 12	144 41 40 142 18 54	F 22N 14E34 F 15N 26E 6
334-45-11000-2001-3050-4040-5301 Salmon Fork Black River	BLACK RIVER C-4 BLACK RIVER C-1	66 32 44 66 32 41	142 35 31 141 0 0	F 20N 24E22 F 20N 31E24
334-45-11000-2001-3050-4040-5301-6075 Kevinjik Creek	BLACK RIVER C-3	66 31 0 66 35 52	142 5 20 142 6 4	F 20N 26E36 F 21N 26E33
334-45-11000-2001-3050-4040-5301-6075-7022	BLACK RIVER C-3	66 35 52 66 37 32	142 6 3 142 5 49	F 21N 26E33 F 21N 26E21
334-45-11000-2001-3050-4040-5339 Grayling Fork Black River	BLACK RIVER A-3	66 9 12 66 11 50	142 18 51 142 9 3	F 15N 26E 6 F 16N 26E24

Stream/lake	Map Sheet	Lat.	Long.	Legal
334-45-11000-2001-3075 Sheenjek River	FORT YUKON C-2 COLEEN	66 44 22 67 44 5	144 33 52 143 43 51	F 22N 15E18 F 34N 18E32
334-45-11000-2001-3105 Curtis Slough	FORT YUKON D-1	66 46 36 66 48 39	144 15 38 144 1 43	F 23N 16E34 F 23N 17E22
334-45-11000-2001-3271 Coleen River	COLEEN A-3 COLEEN	67 4 20 67 44 57	142 29 43 142 26 32	F 26N 24E17 F 34N 23E25
334-45-11000-2001-3300 Salmon Trout River	COLEEN A-2 BLACK RIVER D-1	67 9 35 66 55 48	141 40 6 141 14 1	F 27N 28E18 F 24N 30E 4
334-45-11000-2001-3300-4051	COLEEN A-1 BLACK RIVER D-1	67 1 5 66 59 47	141 4 4 141 0 0	F 25N 30E 2 F 25N 31E18
334-45-11000-2300 Charley River	CHARLEY RIVER B-4 CHARLEY RIVER A-5	65 19 3 65 5 43	142 46 49 143 7 25	F 6N 24E27 F 3N 23E 8
334-45-11000-2300-3008	CHARLEY RIVER B-4	65 18 25 65 17 47	142 45 13 142 45 3	F 6N 24E35 F 5N 24E 2
334-45-11000-2325 Kandik River (Charley Creek)	CHARLEY RIVER B-4 CHARLEY RIVER D-1	65 22 26 65 50 23	142 30 40 141 0 8	F 6N 25E 1 F 12N 32E26
334-45-11000-2325-3013 Threemile Creek	CHARLEY RIVER B-3	65 23 31 65 24 2	142 26 51 142 27 53	F 7N 26E32 F 7N 26E30
334-45-11000-2325-3017	CHARLEY RIVER B-3	65 24 30 65 24 44	142 25 23 142 25 48	F 7N 26E29 F 7N 26E29
334-45-11000-2325-3021 Sevemile Creek	CHARLEY RIVER B-3	65 24 47 65 25 39	142 22 38 142 24 5	F 7N 26E22 F 7N 26E16
334-45-11000-2325-3021-4006	CHARLEY RIVER B-3	65 25 21 65 26 7	142 22 18 142 22 55	F 7N 26E22 F 7N 26E16
334-45-11000-2325-3029 Mardow Creek	CHARLEY RIVER B-3	65 26 8 65 27 39	142 19 17 142 18 33	F 7N 26E14 F 7N 26E 1
334-45-11000-2325-3035 Judge Creek	CHARLEY RIVER B-3	65 27 6 65 28 36	142 15 2 142 14 20	F 7N 27E 7 F 8N 27E32
334-45-11000-2325-3045	CHARLEY RIVER B-3	65 28 8 65 28 52	142 10 44 142 10 54	F 7N 27E 4 F 8N 27E33
334-45-11000-2325-3055	CHARLEY RIVER B-3	65 28 9 65 28 30	142 6 26 142 5 0	F 7N 27E 2 F 8N 27E36
334-45-11000-2325-3059	CHARLEY RIVER B-3	65 28 2 65 28 29	142 3 33 142 2 30	F 7N 28E 6 F 8N 28E31
334-45-11000-2325-3065	CHARLEY RIVER B-3	65 27 6 65 27 38	142 1 9 142 0 48	F 7N 28E 8 F 7N 28E 5
334-45-11000-2325-3070	CHARLEY RIVER B-2	65 26 26 65 26 9	141 58 57 141 58 57	F 7N 28E16 F 7N 28E16
334-45-11000-2325-3076	CHARLEY RIVER B-2	65 26 45 65 26 20	141 57 50 141 57 26	F 7N 28E10 F 7N 28E15
334-45-11000-2325-3082	CHARLEY RIVER B-2	65 26 41 65 26 31	141 55 44 141 55 41	F 7N 28E11 F 7N 28E11
334-45-11000-2325-3086	CHARLEY RIVER B-2	65 26 48 65 26 43	141 55 16 141 54 59	F 7N 28E11 F 7N 28E11
334-45-11000-2325-3094	CHARLEY RIVER B-2	65 27 40 65 27 30	141 49 17 141 48 58	F 7N 29E 5 F 7N 29E 5
334-45-11000-2325-3098	CHARLEY RIVER B-2	65 27 56 65 28 2	141 48 42 141 47 56	F 7N 29E 5 F 7N 29E 5
334-45-11000-2325-3103	CHARLEY RIVER B-2	65 28 13 65 29 6	141 48 41 141 48 47	F 8N 29E32 F 8N 29E29
334-45-11000-2325-3109	CHARLEY RIVER B-2	65 29 40 65 29 39	141 47 33 141 48 17	F 8N 29E28 F 8N 29E29
334-45-11000-2325-3115	CHARLEY RIVER C-2	65 30 24 65 30 42	141 45 39 141 45 23	F 8N 29E22 F 8N 29E22
334-45-11000-2325-3121	CHARLEY RIVER C-2	65 30 59 65 31 28	141 42 59 141 43 21	F 8N 29E14 F 8N 29E14
334-45-11000-2325-3134	CHARLEY RIVER C-2	65 31 29 65 31 29	141 37 15 141 36 55	F 8N 30E17 F 8N 30E17
334-45-11000-2325-3138	CHARLEY RIVER C-2	65 31 3 65 30 29	141 40 14 141 39 46	F 8N 29E13 F 8N 29E24
334-45-11000-2325-3145	CHARLEY RIVER C-1	65 35 26 65 35 39	141 27 7 141 27 17	F 9N 30E22 F 9N 30E22
334-45-11000-2325-3149	CHARLEY RIVER C-1	65 36 42 65 37 0	141 24 13 141 25 48	F 9N 30E13 F 9N 30E11
334-45-11000-2325-3152 Indian Grave Creek	CHARLEY RIVER C-1	65 37 5 65 37 10	141 22 53 141 21 16	F 9N 30E12 F 9N 31E 7
334-45-11000-2325-3157	CHARLEY RIVER C-1	65 39 25 65 39 36	141 21 55 141 23 9	F 10N 31E31 F 10N 30E25
334-45-11000-2325-3159	CHARLEY RIVER C-1	65 39 42 65 39 56	141 21 40 141 22 51	F 10N 31E30 F 10N 30E25

Stream/lake	Map Sheet	Lat.	Long.	Legal
334-45-11000-2325-3165	CHARLEY RIVER C-1	65 41 18 65 41 18	141 20 43 141 21 49	F 10N 31E18 F 10N 31E18
334-45-11000-2325-3167	CHARLEY RIVER C-1	65 41 44 65 41 51	141 20 40 141 21 28	F 10N 31E18 F 10N 31E18
334-45-11000-2325-3175	CHARLEY RIVER C-1	65 43 12 65 43 50	141 18 38 141 19 11	F 10N 31E 5 F 11N 31E32
334-45-11000-2325-3178 Big Sitdown Creek	CHARLEY RIVER C-1	65 43 39 65 43 18	141 17 30 141 15 30	F 10N 31E 4 F 10N 31E 3
334-45-11000-2325-3179	CHARLEY RIVER C-1	65 43 55 65 44 24	141 16 58 141 17 21	F 11N 31E33 F 11N 31E33
334-45-11000-2325-3183	CHARLEY RIVER D-1	65 45 43 65 46 19	141 14 52 141 14 27	F 11N 31E22 F 11N 31E22
334-45-11000-2325-3187	CHARLEY RIVER D-1	65 46 24 65 46 45	141 13 18 141 13 29	F 11N 31E14 F 11N 31E14
334-45-11000-2325-3195	CHARLEY RIVER D-1	65 47 23 65 47 51	141 10 9 141 10 53	F 11N 31E12 F 11N 31E12
334-45-11000-2325-3200	CHARLEY RIVER D-1	65 47 24 65 46 42	141 9 35 141 4 58	F 11N 32E 7 F 11N 32E16
334-45-11000-2325-3203	CHARLEY RIVER D-1	65 47 35 65 48 11	141 9 25 141 9 26	F 11N 32E 7 F 11N 32E 6
334-45-11000-2325-3210	CHARLEY RIVER D-1	65 49 35 65 48 59	141 5 12 141 3 6	F 12N 32E33 F 11N 32E 3
334-45-11000-2325-3213	CHARLEY RIVER D-1	65 49 59 65 50 31	141 2 52 141 2 32	F 12N 32E27 F 12N 32E27
334-45-11000-2325-3216	CHARLEY RIVER D-1	65 49 56 65 50 2	141 2 18 141 1 29	F 12N 32E27 F 12N 32E27
334-45-11000-2390 Fourth of July Creek	CHARLEY RIVER A-2	65 11 51 65 9 17	141 49 42 141 51 3	F 4N 29E 3 F 4N 29E21
334-45-11000-2401 Nation River	CHARLEY RIVER A-2 CHARLEY RIVER B-2	65 11 47 65 18 21	141 41 38 141 36 5	F 4N 30E 5 F 6N 30E32
334-45-11000-2501 Tatonduk River	EAGLE D-1	64 59 45 64 59 44	141 20 34 141 0 0	F 2N 31E13 F 2N 33E15
334-45-11000-2520 Seventymile River	EAGLE D-1	64 55 49 64 53 23	141 18 13 141 16 41	F 1N 32E 7 F 1N 32E29
334-45-11000-2600	EAGLE B-1 EAGLE A-2	64 18 52 64 14 37	141 0 0 141 45 4	F 7S 34E16 F 8S 30E 3
334-45-11000-2600-3035	EAGLE B-1	64 17 12 64 16 50	141 1 35 141 0 0	F 7S 34E20 F 7S 34E28
334-45-11000-2600-3039	EAGLE B-1	64 17 8 64 16 17	141 2 27 141 0 30	F 7S 34E29 F 7S 34E33
334-45-11000-2600-3045	EAGLE B-1	64 16 4 64 15 21	141 4 54 141 4 38	F 7S 34E31 F 8S 34E 6
334-45-11000-2600-3050	EAGLE B-1	64 15 30 64 15 51	141 6 27 141 6 55	F 7S 33E36 F 7S 33E36
334-45-11000-2600-3080	EAGLE B-1	64 17 30 64 17 43	141 19 36 141 19 37	F 7S 32E23 F 7S 32E23
334-45-11000-2600-3095	EAGLE B-1	64 18 26 64 17 53	141 26 14 141 25 50	F 7S 32E17 F 7S 32E20
334-45-11000-2600-3101	EAGLE B-1	64 17 32 64 17 24	141 28 34 141 29 0	F 7S 32E19 F 7S 32E19
334-45-11000-2600-3118 North Fork Fortymile River	EAGLE A-2 EAGLE B-3	64 14 37 64 22 59	141 45 2 142 0 58	F 8S 30E 2 F 6S 29E20
335-30-16600 Kuskokwim River	SLEETMUTE C-3 MEDFRA A-4	61 40 21 63 5 17	157 0 58 154 38 30	S 18N 43W 2 K 28S 22E 3
335-30-16600-2040 Stony River	SLEETMUTE D-2 LIME HILLS B-2	61 46 12 61 19 31	156 35 28 153 43 32	S 19N 40W 6 S 14N 25W10
335-30-16600-2040-3080 Stink River	SLEETMUTE C-1 LIME HILLS A-B	61 30 14 61 14 4	156 7 51 155 47 45	S 16N 38W 5 S 13N 36W 7
335-30-16600-2040-3080-0050 Tundra Lake	LIME HILLS A-B	61 13 32	155 43 32	S 13N 36W10
335-30-16600-2040-3080-4020	SLEETMUTE B-1	61 26 22 61 22 47	156 6 21 156 11 59	S 16N 38W33 S 15N 39W24
335-30-16600-2040-3080-4030	SLEETMUTE B-1	61 23 3 61 20 11	156 5 10 156 10 16	S 15N 38W16 S 14N 38W 6
335-30-16600-2040-3080-4040	SLEETMUTE B-1	61 21 27 61 19 36	156 1 42 156 0 22	S 15N 38W26 S 14N 38W 1
335-30-16600-2040-3115	LIME HILLS B-7	61 23 29 61 21 34	155 30 31 155 18 20	S 15N 35W14 S 15N 34W25
335-30-16600-2040-3115-4011	LIME HILLS B-7	61 22 7 61 22 35	155 25 13 155 23 57	S 15N 34W29 S 15N 34W20

Stream/Lake	Map Sheet	Lat.	Long.	Legal
335-30-16600-2040-3115-4026	LIME HILLS B-7	61 20 31 61 20 17	155 21 33 155 21 37	S 15N 34W34 S 14N 34W 3
335-30-16600-2040-3124 Hungry Creek	LIME HILLS B-7	61 20 46 61 18 48	155 25 56 155 27 8	S 15N 34W31 S 14N 34W 7
335-30-16600-2040-3140 Can Creek	LIME HILLS B-6 LIME HILLS A-5	61 15 44 61 3 24	155 3 33 154 47 55	S 14N 32W32 S 11W 31W 9
335-30-16600-2040-3140-4019	LIME HILLS A-6 LIME HILLS A-5	61 10 49 61 8 2	154 59 40 154 49 27	S 13N 32W34 S 12W 31W17
335-30-16600-2040-3140-4061	LIME HILLS A-5	61 3 24 61 3 39	154 47 55 154 42 6	S 11W 31W 9 S 11W 31W12
335-30-16600-2040-3155 Little Underhill Creek	LIME HILLS A-5 LIME HILLS B-5	61 14 46 61 16 41	154 47 27 154 40 21	S 13N 31W 2 S 14N 30W28
335-30-16600-2040-3159 Underhill Creek	LIME HILLS A-5	61 14 6 61 14 44	154 43 42 154 38 27	S 13W 30W 7 S 13W 30W 3
335-30-16600-2040-3165 Rock Creek	LIME HILLS A-5	61 12 7 61 13 19	154 40 55 154 30 48	S 13N 30W20 S 13N 29W17
335-30-16600-2040-3177 Eagle Mountain Creek	LIME HILLS A-4	61 7 58 61 8 21	154 29 30 154 26 21	S 12W 29W18 S 12W 29W 9
335-30-16600-2040-3181 Tunkaleshna Creek	LIME HILLS A-4	61 6 29 61 8 16	154 26 26 154 22 48	S 12W 29W28 S 12W 29W11
335-30-16600-2040-3190 Telaquana River	LIME HILLS A-4 LAKE CLARK D-2	61 4 3 60 57 22	154 24 31 153 43 10	S 11W 29W 3 S 10N 25W16
335-30-16600-2040-3190-0010 Telaquana Lake	LAKE CLARK D-2	60 57 12	153 44 59	S 10W 25W17
335-30-16600-2040-3190-4008	LIME HILLS A-4 LIME HILLS A-5	61 2 7 61 1 45	154 25 16 154 34 27	S 11N 29W21 S 11N 30W22
335-30-16600-2040-3190-4056	LAKE CLARK D-2	60 56 48 60 56 52	153 45 0 153 43 11	S 10W 25W20 S 10W 25W21
335-30-16600-2040-3190-4060	LAKE CLARK D-2	60 57 3 60 56 57	153 44 56 153 43 23	S 10W 25W17 S 10W 25W21
335-30-16600-2040-3190-4065	LAKE CLARK D-2	60 57 37 60 57 57	153 44 57 153 44 31	S 10W 25W17 S 10W 25W 8
335-30-16600-2040-3201	LIME HILLS A-4	61 2 16 61 1 39	154 14 27 154 11 14	S 11N 28W16 S 11N 28W23
335-30-16600-2040-3220 Necons River	LIME HILLS A-3 LIME HILLS A-2	61 1 30 61 14 0	154 5 41 153 35 48	S 11N 27W20 S 13W 24W 9
335-30-16600-2040-3220-0010 Two Lakes	LIME HILLS A-2	61 8 0	153 44 51	S 12W 25W17
335-30-16600-2040-3220-4020	LIME HILLS A-2	61 8 15 61 8 50	153 44 9 153 42 30	S 12W 25W17 S 12W 25W 9
335-30-16600-2040-3220-4026 Tlikakila River	LIME HILLS A-2	61 8 28 61 9 2	153 44 52 153 42 44	S 12W 25W 8 S 12W 25W 9
335-30-16600-2040-3220-4030	LIME HILLS A-3 LIME HILLS A-2	61 8 36 61 9 13	153 45 31 153 43 19	S 12W 25W 8 S 12W 25W 4
335-30-16600-2040-3225 Kristin Creek	LIME HILLS A-3	61 2 53 61 5 27	154 3 30 154 3 38	S 11N 27W15 S 12W 27W33
335-30-16600-2070 Swift River	SLEETMUTE D-1 LIME HILLS C-5	61 53 22 61 31 22	156 18 28 154 47 3	S 21N 38W19 S 17N 30W31
335-30-16600-2070-3029	SLEETMUTE D-1 MC GRATH A-4	61 48 49 62 7 10	156 0 20 154 58 2	S 20N 37W21 S 23W 31W 4
335-30-16600-2070-3029-4020	LIME HILLS D-8	61 49 36 61 48 44	155 54 25 155 51 18	S 20N 37W13 S 20N 36W20
335-30-16600-2070-3029-4030	LIME HILLS D-8	61 50 7 61 49 8	155 53 6 155 48 8	S 20N 36W 7 S 20N 36W16
335-30-16600-2070-3029-4040	LIME HILLS D-3	61 50 14 61 49 39	155 50 30 155 38 27	S 20N 36W 8 S 20N 35W16
335-30-16600-2070-3029-4040-5009	LIME HILLS D-8	61 50 1 61 50 48	155 49 9 155 46 32	S 20N 36W 9 S 20N 36W 3
335-30-16600-2070-3029-4040-5020	LIME HILLS D-8	61 50 30 61 49 6	155 43 22 155 40 53	S 20N 36W12 S 20N 35W18
335-30-16600-2070-3029-4040-5020-6004	LIME HILLS D-8	61 50 25 61 49 16	155 43 18 155 43 12	S 20N 36W12 S 20N 36W13
335-30-16600-2070-3029-4047	LIME HILLS D-8	61 52 3 61 52 55	155 42 38 155 39 14	S 21N 35W33 S 21N 35W26
335-30-16600-2070-3029-4047-5007	LIME HILLS D-8	61 52 11 61 52 49	155 41 36 155 40 29	S 21N 35W33 S 21N 35W27
335-30-16600-2070-3029-4050	LIME HILLS D-8	61 51 20 61 50 27	155 39 6 155 37 35	S 20N 35W 5 S 20N 35W 9
335-30-16600-2070-3029-4060	LIME HILLS D-7	61 53 11 61 51 25	155 34 59 155 32 13	S 21N 34W30 S 20N 35W 1

Stream/lake	Map Sheet	Lat.	Long.	Legal
335-30-16600-2070-3029-4070	LIME HILLS D-7	61 56 21 61 52 29	155 31 3 155 29 8	S 21N 34W16 S 21N 34W27
335-30-16600-2070-3029-4080	LIME HILLS D-7	61 54 32 61 52 35	155 29 21 155 26 34	S 21N 34W15 S 21N 34W26
335-30-16600-2070-3029-4090	LIME HILLS D-7	61 55 0 61 55 30	155 28 13 155 27 19	S 21N 34W14 S 21N 34W11
335-30-16600-2070-3029-4090-5010	LIME HILLS D-7	61 55 13 61 53 41	155 27 33 155 25 31	S 21N 34W11 S 21N 34W24
335-30-16600-2070-3029-4093	LIME HILLS D-7	61 55 26 61 58 4	155 27 50 155 19 24	S 21N 34W11 S 22N 33W28
335-30-16600-2070-3029-4100	LIME HILLS D-7	61 55 56 61 49 43	155 22 44 155 21 26	S 21N 33W 5 S 20N 34W13
335-30-16600-2070-3029-4110 Shoelather Creek	LIME HILLS D-7	61 57 14 61 56 17	155 18 34 155 16 34	S 22N 33W34 S 21N 33W 2
335-30-16600-2070-3029-4115	LIME HILLS D-7 MC GRATH A-5	61 58 53 62 0 44	155 16 10 155 18 18	S 22N 33W23 S 22N 33W10
335-30-16600-2070-3029-4121	LIME HILLS D-7 MC GRATH A-5	61 59 18 62 1 21	155 15 3 155 15 48	S 22N 33W24 S 22N 33W 2
335-30-16600-2070-3029-4121-5010	LIME HILLS D-6 MC GRATH A-5	61 59 26 62 0 45	155 14 51 155 12 52	S 22N 33W13 S 22N 32W 7
335-30-16600-2070-3029-4150	MC GRATH A-5	62 1 15 62 0 10	155 10 0 155 7 36	S 22N 32W 5 S 22N 32W15
335-30-16600-2070-3029-4155	MC GRATH A-5	62 1 32 62 2 26	155 10 8 155 11 40	S 22N 32 5 S 23N 32 32
335-30-16600-2070-3029-4160	MC GRATH A-5	62 1 41 62 1 3	155 9 5 155 6 1	S 22N 32W 4 S 22N 32W11
335-30-16600-2070-3029-4170	MC GRATH A-5	62 2 5 62 2 25	155 9 12 155 6 4	S 23N 32W33 S 23N 32W35
335-30-16600-2070-3029-4180	MC GRATH A-5	62 3 34 62 2 36	155 7 12 155 4 12	S 23N 32W27 S 23W 32W36
335-30-16600-2070-3029-4180-5011	MC GRATH A-5	62 3 9 62 3 36	155 4 49 155 3 19	S 23N 32W26 S 23N 32W25
335-30-16600-2070-3029-4191	MC GRATH A-5	62 4 33 62 6 14	155 5 48 155 7 1	S 23N 32W23 S 23N 32W10
335-30-16600-2070-3029-4191-5009	MC GRATH A-5	62 5 28 62 5 27	155 6 42 155 7 39	S 23N 32W15 S 23N 32W15
335-30-16600-2070-3029-4191-5016	MC GRATH A-5	62 5 55 62 6 31	155 6 34 155 6 31	S 23N 32W10 S 23N 32W 3
335-30-16600-2070-3029-4191-5016-6010	MC GRATH A-5	62 6 15 62 6 32	155 6 28 155 6 0	S 23N 32W10 S 23N 32W 2
335-30-16600-2070-3029-4200	MC GRATH A-5	62 5 27 62 4 13	155 3 46 155 1 1	S 23N 32W13 S 23N 31W19
335-30-16600-2070-3029-4209	MC GRATH A-5	62 5 49 62 6 29	155 3 34 155 4 0	S 23N 32W12 S 23N 32W 1
335-30-16600-2070-3045	LIME HILLS C-8	61 43 30 61 44 43	155 47 30 155 46 29	S 19N 36W22 S 19N 36W10
335-30-16600-2070-3051	LIME HILLS C-8	61 42 43 61 42 44	155 46 36 155 44 34	S 19N 36W27 S 19N 36W26
335-30-16600-2070-3061	LIME HILLS C-8	61 41 14 61 41 47	155 43 11 155 39 58	S 19N 36W36 S 19N 35W32
335-30-16600-2070-3069	LIME HILLS C-8	61 39 55 61 40 52	155 40 58 155 38 4	S 18N 35W 7 S 18N 35W 4
335-30-16600-2070-3079	LIME HILLS C-8	61 38 43 61 38 42	155 39 51 155 37 38	S 18N 35W17 S 18N 35W16
335-30-16600-2070-3083 Gagaryah River	LIME HILLS C-8 LIME HILLS C-6	61 37 15 61 44 31	155 38 30 154 54 5	S 18N 35W28 S 19N 31W16
335-30-16600-2070-3083-4035	LIME HILLS C-7	61 38 32 61 40 25	155 26 27 155 24 51	S 18N 34W21 S 18N 34W 3
335-30-16600-2070-3083-4043	LIME HILLS C-7	61 38 35 61 40 1	155 24 41 155 22 14	S 18N 34W22 S 10N 34W12
335-30-16600-2070-3083-4043-5005	LIME HILLS C-7	61 39 43 61 39 20	155 24 36 155 24 1	S 18N 34W15 S 18N 34W14
335-30-16600-2070-3083-4050	LIME HILLS C-7	61 38 52 61 39 27	155 21 15 155 16 19	S 18N 34W13 S 18N 33W16
335-30-16600-2070-3083-4050-5004	LIME HILLS C-7	61 38 51 61 38 27	155 21 3 155 17 20	S 18N 34W13 S 18N 33W20
335-30-16600-2070-3083-4059	LIME HILLS C-7	61 40 2 61 41 6	155 15 57 155 15 52	S 18N 33W 9 S 18N 33W 4
335-30-16600-2070-3083-4121	LIME HILLS C-6	61 44 31 61 44 44	154 54 6 154 54 45	S 19N 31W16 S 19N 31W 9

Stream/lake	Map Sheet	Lat.	Long.	Legal
335-30-16600-2070-3089	LIME HILLS C-8	61 36 53 61 36 6	155 38 22 155 39 31	S 18N 35W28 S 18N 35W32
335-30-16600-2070-3089-4009	LIME HILLS C-8	61 36 31 61 36 0	155 38 46 155 38 34	S 18N 35W32 S 17N 35W 4
335-30-16600-2070-3095	LIME HILLS C-6	61 31 9 61 35 34	155 13 37 154 57 14	S 17N 33W34 S 17N 31W 6
335-30-16600-2070-3095-4017	LIME HILLS C-6	61 33 10 61 31 4	155 10 58 155 1 31	S 17N 33W24 S 17N 32W35
335-30-16600-2070-3101 North Fork Swift River	LIME HILLS B-6 LIME HILLS C-4	61 29 21 61 39 51	155 0 26 154 22 4	S 16N 32W10 S 18N 28W 9
335-30-16600-2070-3101-4045	LIME HILLS C-5	61 33 48 61 42 42	154 52 1 154 42 22	S 17N 31W15 S 19N 30W27
335-30-16600-2070-3101-4045-5011	LIME HILLS C-5 LIME HILLS C-6	61 34 55 61 37 4	154 50 1 154 54 25	S 17N 31W11 S 18N 31W28
335-30-16600-2070-3101-4048	LIME HILLS C-5	61 35 50 61 36 20	154 43 27 154 36 23	S 17N 30W 4 S 18N 29W31
335-30-16600-2070-3101-4048-5012	LIME HILLS C-5	61 35 59 61 35 38	154 40 7 154 37 21	S 17N 30W 2 S 17N 30W 1
335-30-16600-2070-3101-4055 Babel Creek	LIME HILLS C-5 LIME HILLS D-4	61 37 13 61 46 5	154 41 55 154 27 8	S 18N 30W27 S 19N 29W 1
335-30-16600-2070-3101-4055-5007	LIME HILLS C-5	61 37 50 61 42 38	154 41 32 154 38 34	S 18N 30W22 S 19N 30W25
335-30-16600-2070-3101-4055-5007-0010	LIME HILLS C-5	61 40 16	154 41 49	S 18N 30W10
335-30-16600-2070-3101-4055-5030	LIME HILLS C-5 LIME HILLS C-4	61 40 46 61 42 31	154 36 10 154 26 24	S 18N 29W 6 S 19N 29W25
335-30-16600-2070-3101-4055-5030-6016	LIME HILLS C-4	61 41 49 61 41 34	154 29 56 154 25 55	S 19N 29W34 S 19N 28W31
335-30-16600-2070-3101-4055-5036	LIME HILLS C-5 LIME HILLS C-4	61 41 52 61 44 26	154 35 37 154 23 54	S 19N 29W31 S 19N 28W17
335-30-16600-2070-3101-4055-5036-6020	LIME HILLS C-4	61 43 55 61 44 5	154 25 59 154 24 26	S 19N 28W18 S 19N 28W18
335-30-16600-2070-3107	LIME HILLS B-6 LIME HILLS B-5	61 29 0 61 23 33	154 57 33 154 37 56	S 16N 32W14 S 15N 30W15
335-30-16600-2070-3107-4010	LIME HILLS B-6	61 27 35 61 25 3	154 56 11 154 57 0	S 16N 32W24 S 15N 32W 2
335-30-16600-2070-3107-4025	LIME HILLS B-5	61 23 55 61 24 41	154 43 34 154 41 7	S 15N 30W 7 S 15N 30W 8
335-30-16600-2070-3107-4028	LIME HILLS B-5	61 23 39 61 21 58	154 43 7 154 43 42	S 15N 30W18 S 15N 30W30
335-30-16600-2070-3107-4032	LIME HILLS B-5	61 23 25 61 22 16	154 42 37 154 41 43	S 15N 30W17 S 15N 30W20
335-30-16600-2070-3111	LIME HILLS B-6 LIME HILLS B-5	61 29 4 61 28 6	154 57 12 154 50 51	S 16N 32W14 S 16N 31W21
335-30-16600-2070-3119	LIME HILLS B-6 LIME HILLS B-5	61 29 21 61 28 56	154 55 55 154 43 41	S 16N 32W12 S 16N 30W18
335-30-16600-2070-3135	LIME HILLS C-5	61 31 23 61 32 9	154 47 2 154 45 37	S 17N 30W31 S 17N 30W29
335-30-16600-2080 Tatlawiksuk River	SLEETMUTE D-1 MC GRATH A-5	61 55 9 62 14 8	156 14 35 155 17 24	S 21N 38W 9 S 25N 32W30
335-30-16600-2080-3020	SLEETMUTE D-1 LIME HILLS D-7	61 56 52 61 56 19	156 9 48 155 34 56	S 22N 38W36 S 21N 34W 6
335-30-16600-2080-3075	MC GRATH A-6	62 0 26 62 2 23	155 44 30 155 45 21	S 22N 35W 8 S 23N 35W31
335-30-16600-2080-3075-4026	MC GRATH A-6	62 1 46 62 2 25	155 44 3 155 44 37	S 22N 35W 5 S 23N 35W32
335-30-16600-2080-3075-4026-5008	MC GRATH A-6	62 1 56 62 2 20	155 44 7 155 44 2	S 22N 35W 5 S 23N 35W32
335-30-16600-2080-3080	MC GRATH A-6	62 1 9 62 1 11	155 41 16 155 38 19	S 22N 35W 4 S 22N 35W 2
335-30-16600-2080-3085	MC GRATH A-6	62 1 58 62 3 28	155 41 1 155 41 48	S 22N 35W 3 S 23N 35W28
335-30-16600-2080-3090	MC GRATH A-6	62 2 57 62 2 10	155 38 52 155 36 12	S 23N 35W26 S 23N 35W36
335-30-16600-2080-3090-4011	MC GRATH A-6	62 2 46 62 2 29	155 37 33 155 35 48	S 23N 35W35 S 23N 35W36
335-30-16600-2080-3096	MC GRATH A-6	62 3 7 62 3 0	155 38 21 155 36 18	S 23N 35W26 S 23N 35W25
335-30-16600-2080-3104	MC GRATH A-6	62 3 27 62 3 53	155 38 21 155 35 17	S 23N 35W26 S 23N 34W19

Stream/lake	Map Sheet	Lat.	Long.	Legal
335-30-16600-2080-3104-0010	MC GRATH A-6	62 4 7	155 36 35	S 23N 35W24
335-30-16600-2080-3104-4010	MC GRATH A-6	62 3 36 62 3 35	155 37 45 155 35 53	S 23N 35W26 S 23N 35W25
335-30-16600-2080-3120	MC GRATH A-6	62 4 49 62 4 38	155 36 43 155 34 44	S 23N 35W13 S 23N 34W18
335-30-16600-2080-3135	MC GRATH A-6	62 6 11 62 7 48	155 34 45 155 35 41	S 23N 34W 7 S 24N 35W36
335-30-16600-2080-3135-4015	MC GRATH A-6	62 7 7 62 7 47	155 34 51 155 35 42	S 23N 34W 6 S 24N 35W36
335-30-16600-2080-3140	MC GRATH A-6	62 6 14 62 6 0	155 33 58 155 32 39	S 23N 34W 7 S 23N 34W 8
335-30-16600-2080-3150	MC GRATH A-6	62 6 55 62 6 33	155 32 31 155 31 15	S 23N 34W 5 S 23N 34W 4
335-30-16600-2080-3155	MC GRATH A-6	62 7 18 62 8 34	155 32 36 155 34 14	S 24N 34W32 S 24N 34W30
335-30-16600-2080-3155-4020	MC GRATH A-6	62 8 13 62 8 43	155 33 18 155 33 38	S 24N 34W29 S 24N 34W29
335-30-16600-2080-3158	MC GRATH A-6	62 7 14 62 7 17	155 32 11 155 30 16	S 24N 34W32 S 24N 34W33
335-30-16600-2080-3167	MC GRATH A-5	62 8 49 62 11 7	155 29 16 155 29 33	S 24N 34W27 S 24N 34W10
335-30-16600-2080-3170	MC GRATH A-5	62 8 45 62 7 1	155 28 48 155 26 40	S 24N 34W27 S 23N 34W 2
335-30-16600-2080-3180	MC GRATH A-5	62 9 30 62 8 1	155 26 29 155 24 54	S 24N 34W24 S 24N 34W36
335-30-16600-2080-3180-4009	MC GRATH A-5	62 9 26 62 9 33	155 25 35 155 23 56	S 24N 34W24 S 24N 33W19
335-30-16600-2080-3180-4015	MC GRATH A-5	62 8 45 62 8 44	155 25 2 155 24 10	S 24N 34W25 S 24N 33W30
335-30-16600-2080-3185	MC GRATH A-5	62 9 52 62 11 43	155 26 44 155 27 6	S 24N 34W14 S 24N 34W 2
335-30-16600-2080-3196	MC GRATH A-5	62 10 23 62 9 49	155 25 22 155 22 35	S 24N 34W13 S 24N 33W17
335-30-16600-2080-3196-4010	MC GRATH A-5	62 10 9 62 10 0	155 23 41 155 22 11	S 24N 33W18 S 24N 33W17
335-30-16600-2080-3202	MC GRATH A-5	62 10 42 62 10 38	155 25 3 155 23 30	S 24N 34W12 S 24N 33W18
335-30-16600-2080-3220	MC GRATH A-5	62 11 43 62 11 7	155 22 26 155 19 5	S 24N 33W 5 S 24N 33W10
335-30-16600-2080-3220-4010	MC GRATH A-5	62 11 33 62 11 0	155 20 30 155 20 9	S 24N 33W 4 S 24N 33W 9
335-30-16600-2080-3220-4017	MC GRATH A-5	62 11 27 62 11 23	155 20 3 155 18 17	S 24N 33W 9 S 24N 33W10
335-30-16600-2080-3230	MC GRATH A-5	62 12 23 62 12 6	155 20 21 155 17 23	S 24N 33W 4 S 24N 33W 3
335-30-16600-2080-3233	MC GRATH A-5	62 12 38 62 14 4	155 20 39 155 22 28	S 25N 33W35 S 25N 33W27
335-30-16600-2080-3240	MC GRATH A-5	62 13 0 62 12 51	155 19 46 155 16 29	S 25N 33W35 S 25N 32W31
335-30-16600-2080-3240-4020	MC GRATH A-5	62 12 52 62 12 35	155 16 27 155 15 17	S 25N 32W31 S 25N 32W32
335-30-16600-2080-3240-4023	MC GRATH A-5	62 12 53 62 13 25	155 16 28 155 15 43	S 25N 32W31 S 25N 32W29
335-30-16600-2115 Kunsatuk River	IDITAROD B-1	62 17 46 62 16 32	156 12 47 156 17 13	S 26N 37W31 S 25N 38W10
335-30-16600-2170 Selatna River	MC GRATH C-6 MC GRATH B-6	62 31 6 62 24 39	155 48 2 155 30 24	S 28N 35W17 S 27N 34W24
335-30-16600-2170-3020 First Fork, Selatna River	MC GRATH C-6 MC GRATH B-6	62 30 13 62 27 13	155 41 37 155 42 0	S 28N 35W24 S 27N 35W 2
335-30-16600-2170-3050	MC GRATH B-6	62 26 36 62 25 19	155 39 2 155 40 10	S 27N 34W 7 S 27N 35W24
335-30-16600-2170-3060	MC GRATH B-6	62 25 54 62 23 51	155 38 12 155 39 30	S 27N 34W18 S 27N 34W30
335-30-16600-2170-3076	MC GRATH B-6	62 24 55 62 23 32	155 34 4 155 34 31	S 27N 34W22 S 27N 34W33
335-30-16600-2170-3076-4021	MC GRATH B-6	62 23 43 62 23 27	155 34 19 155 34 11	S 27N 34W27 S 27N 34W34
335-30-16600-2170-3085	MC GRATH B-6	62 25 17 62 25 49	155 32 15 155 30 33	S 27N 34W23 S 27N 34W13

Stream/lake	Map Sheet	Lat.	Long.	Legal
335-30-16600-2255 Takotna River	MC GRATH D-6 IDITAROD D-1	62 57 51 62 48 42	155 36 4 156 21 26	S 33N 33W 7 S 31N 38W 2
335-30-16600-2255-3035 Nixon Fork Takotna River	MEDFRA A-6 MEDFRA B-4	63 2 6 63 23 39	155 39 49 154 37 59	K 28S 17E29 K 24S 22E21
335-30-16600-2255-3035-4045 John Reek Creek	MEDFRA A-6	63 7 44 63 8 29	155 39 42 155 42 44	K 27S 17E20 K 27S 16E24
335-30-16600-2255-3035-4045-5020	MEDFRA A-6	63 8 47 63 9 21	155 39 52 155 42 11	K 27S 17E17 K 27S 17E18
335-30-16600-2255-3035-4045-5020-6010	MEDFRA A-6	63 9 20 63 9 31	155 40 56 155 41 28	K 27S 17E18 K 27S 17E 7
335-30-16600-2255-3035-4065 Ivy Creek	MEDFRA A-6	63 11 34 63 10 58	155 35 41 155 42 14	K 26S 17E34 K 27S 17E 6
335-30-16600-2255-3035-4085	MEDFRA A-6	63 13 10 63 14 6	155 33 9 155 34 58	K 26S 17E23 K 26S 17E15
335-30-16600-2255-3035-4085-5009	MEDFRA A-6	63 13 38 63 13 37	155 33 58 155 36 10	K 26S 17E23 K 26S 17E22
335-30-16600-2255-3035-4089	MEDFRA A-6	63 13 17 63 14 48	155 32 40 155 33 25	K 26S 17E24 K 26S 17E11
335-30-16600-2255-3035-4089-5010	MEDFRA A-6	63 13 44 63 14 36	155 32 0 155 31 17	K 26S 17E24 K 26S 17E13
335-30-16600-2255-3035-4115	MEDFRA A-5 MEDFRA B-5	63 14 52 63 16 42	155 22 2 155 21 7	K 26S 18E11 K 25S 18E36
335-30-16600-2255-3035-4130 Wabash Creek	MEDFRA A-5	63 14 32 63 12 25	155 17 59 155 14 30	K 26S 19E18 K 26S 19E28
335-30-16600-2255-3035-4130-5010 Clear Creek	MEDFRA A-5	63 13 5 63 12 3	155 16 24 155 16 11	K 26S 19E20 K 26S 19E29
335-30-16600-2255-3035-4155	MEDFRA A-5	63 14 28 63 15 0	155 7 56 155 6 40	K 26S 20E18 K 26S 20E 7
335-30-16600-2255-3035-4170 Clear Creek	MEDFRA A-5	63 13 22 63 13 3	155 3 38 155 0 7	K 26S 20E21 K 26S 20E23
335-30-16600-2255-3035-4220 Ruby Creek	MEDFRA B-4	63 16 22 63 15 10	154 54 12 154 49 53	K 25S 21E32 K 26S 21E10
335-30-16600-2255-3035-4220-5011	MEDFRA B-4	63 16 14 63 16 16	154 52 30 154 51 39	K 26S 21E 4 K 26S 21E 4
335-30-16600-2255-3035-4230 Mystery Creek	MEDFRA B-4	63 17 27 63 17 5	154 53 7 154 48 37	K 25S 21E29 K 25S 21E35
335-30-16600-2255-3035-4230-5015 Submarine Creek	MEDFRA B-4	63 17 17 63 17 16	154 49 14 154 48 30	K 25S 21E27 K 25S 21E26
335-30-16600-2255-3035-4240	MEDFRA B-4	63 19 36 63 19 0	154 50 17 154 47 30	K 25S 21E15 K 25S 21E14
335-30-16600-2255-3035-4249 Hosmer Creek	MEDFRA B-4	63 20 28 63 22 47	154 49 0 154 51 30	K 25S 21E11 K 24S 21E29
335-30-16600-2255-3035-4260 Jones Creek	MEDFRA B-4	63 21 36 63 19 31	154 45 39 154 42 40	K 24S 21E35 K 25S 22E17
335-30-16600-2255-3035-4269	MEDFRA B-4	63 22 10 63 22 58	154 44 8 154 46 35	K 24S 21E36 K 24S 21E27
335-30-16600-2255-3035-4269-5010	MEDFRA B-4	63 22 55 63 23 30	154 44 52 154 44 25	K 24S 21E26 K 24S 21E23
335-30-16600-2255-3035-4290	MEDFRA B-4	63 23 17 63 23 19	154 40 5 154 34 47	K 24S 22E29 K 24S 22E22
335-30-16600-2255-3035-4290-5011 Boulder Creek	MEDFRA B-4	63 23 7 63 21 50	154 37 12 154 37 41	K 24S 22E23 K 24S 22E33
335-30-16600-2255-3098 Fourth of July Creek	IDITAROD D-1	62 49 44 62 49 9	156 19 44 156 23 28	S 32N 38W25 S 32N 38W34
335-30-16600-2300 Middle Fork Kuskokwim River	MC GRATH D-4 MC GRATH C-4	62 59 6 62 37 45	154 57 58 154 40 0	S 33N 30W 4 S 29N 29W 2
335-30-16600-2300-3020 Blackwater Creek	MC GRATH D-4 MC GRATH C-5	62 57 35 62 43 57	154 53 48 155 6 8	S 33N 30W11 S 31N 31W33
335-30-16600-2300-3020-4045	MC GRATH D-5	62 51 24 62 50 13	155 3 6 155 1 21	S 32N 31W15 S 32N 31W26
335-30-16600-2300-3020-4070	MC GRATH D-5	62 46 46 62 45 14	155 6 38 155 10 29	S 31N 31W16 S 31N 31W30
335-30-16600-2300-3020-4070-5024	MC GRATH D-5	62 45 59 62 46 42	155 9 22 155 10 59	S 31N 31W19 S 31N 32W13
335-30-16600-2300-3030 Big River	MC GRATH D-4 MC GRATH A-4	62 57 55 62 0 0	154 52 35 154 38 1	S 33N 30W12 S 22N 29W17
335-30-16600-2300-3030-4030	MC GRATH D-4	62 53 45 62 51 13	154 54 6 154 54 18	S 32N 30W 4 S 32N 30W21
335-30-16600-2300-3030-4039	MC GRATH D-4	62 53 41 62 52 56	154 52 30 154 49 30	S 32N 30W 3 S 32N 30W12

Stream/lake	Map Sheet	Lat.	Long.	Legal
335-30-16600-2300-3030-4049	MC GRATH D-4	62 52 2 62 51 52	154 50 3 154 47 38	S 32N 30W14 S 32N 29W18
335-30-16600-2300-3030-4054	MC GRATH D-4	62 51 17 62 50 2	154 49 53 154 50 9	S 32N 30W24 S 32N 30W26
335-30-16600-2300-3030-4054-5010	MC GRATH D-4	62 50 43 62 47 47	154 51 21 154 54 36	S 32N 30W23 S 31N 30W 9
335-30-16600-2300-3030-4054-5010-6045	MC GRATH D-4	62 48 15 62 47 59	154 53 59 154 52 43	S 31N 30W 4 S 31N 30W 3
335-30-16600-2300-3030-4054-5010-6053	MC GRATH D-4	62 47 55 62 47 51	154 54 26 154 53 47	S 31N 30W 9 S 31N 30W 9
335-30-16600-2300-3030-4134	MC GRATH B-5	62 29 51 62 27 50	155 3 59 155 5 42	S 28N 31W20 S 27N 31W 6
335-30-16600-2300-3030-4134-5011	MC GRATH B-5	62 28 49 62 27 35	155 4 5 155 4 2	S 28N 31W32 S 27N 31W 5
335-30-16600-2300-3030-4141	MC GRATH B-5	62 27 43 62 26 39	155 2 6 155 0 14	S 27N 31W 4 S 27N 31W10
335-30-16600-2300-3030-4150	MC GRATH B-5	62 26 21 62 25 3	155 2 55 155 4 41	S 27N 31W 8 S 27N 31W20
335-30-16600-2300-3030-4150-5013	MC GRATH B-5	62 25 31 62 25 11	155 3 32 155 3 40	S 27N 31W17 S 27N 31W20
335-30-16600-2300-3030-4154	MC GRATH B-5	62 24 53 62 23 27	155 0 7 155 2 23	S 27N 31W22 S 27N 31W33
335-30-16600-2300-3030-4160	MC GRATH B-4 MC GRATH B-5	62 24 52 62 22 32	154 59 22 155 1 41	S 27N 31W22 S 26N 31W 4
335-30-16600-2300-3030-4160-5013	MC GRATH B-5 MC GRATH B-4	62 23 36 62 21 32	155 0 6 154 57 16	S 27N 31W34 S 26N 31W11
335-30-16600-2300-3030-4165	MC GRATH B-4	62 24 46 62 26 3	154 57 49 154 57 20	S 27N 31W23 S 27N 31W14
335-30-16600-2300-3030-4169	MC GRATH B-4	62 24 19 62 22 24	154 57 3 154 55 7	S 27N 31W25 S 25N 30W 6
335-30-16600-2300-3030-4169-5011	MC GRATH B-4	62 23 46 62 23 52	154 51 57 154 53 6	S 27N 30W30 S 27N 30W29
335-30-16600-2300-3030-4169-5011-6003	MC GRATH B-4	62 23 46 62 24 30	154 54 50 154 54 51	S 27N 30W30 S 27N 30W30
335-30-16600-2300-3030-4169-5011-6008	MC GRATH B-4	62 23 44 62 22 59	154 54 16 154 53 45	S 27N 30W30 S 27N 30W31
335-30-16600-2300-3030-4185	MC GRATH B-4	62 19 43 62 19 17	154 53 17 154 50 20	S 26N 30W20 S 26N 30W28
335-30-16600-2300-3030-4185-5009	MC GRATH B-4	62 19 37 62 19 44	154 51 48 154 49 49	S 26N 30W20 S 26N 30W22
335-30-16600-2300-3030-4220	MC GRATH A-4	62 14 20 62 12 59	154 44 55 154 47 16	S 25N 30W24 S 25N 30W35
335-30-16600-2300-3030-4228	MC GRATH A-4	62 12 36 62 11 8	154 43 26 154 45 20	S 25N 29W31 S 24N 30W10
335-30-16600-2300-3030-4231	MC GRATH A-4	62 12 35 62 9 42	154 43 5 154 39 25	S 25N 29W31 S 24N 29W19
335-30-16600-2300-3030-4231-5007	MC GRATH A-4	62 12 30 62 13 17	154 42 13 154 40 20	S 25N 29W32 S 25N 29W28
335-30-16600-2300-3030-4231-5015	MC GRATH A-4	62 10 49 62 11 2	154 40 0 154 39 0	S 24N 29W 7 S 24N 29W 7
335-30-16600-2300-3030-4231-5019	MC GRATH A-4	62 9 54 62 10 8	154 39 17 154 38 59	S 24N 29W18 S 24N 29W18
335-30-16600-2300-3030-4231-5019-6002	MC GRATH A-4	62 9 56 62 8 31	154 39 13 154 36 44	S 24N 29W18 S 24N 29W28
335-30-16600-2300-3030-4231-5019-6002-7005	MC GRATH A-4	62 9 44 62 9 41	154 38 57 154 37 8	S 24N 29W19 S 24N 29W20
335-30-16600-2300-3030-4231-5019-6002-7011	MC GRATH A-4	62 9 6 62 9 9	154 38 1 154 36 59	S 24N 29W20 S 24N 29W21
335-30-16600-2300-3030-4238	MC GRATH A-4	62 11 38 62 4 52	154 42 15 154 44 18	S 24N 30W 1 S 23H 30W14
335-30-16600-2300-3030-4238-5010	MC GRATH A-4	62 11 20 62 10 9	154 43 8 154 44 8	S 24N 30W11 S 24N 30W14
335-30-16600-2300-3030-4238-5010-6006	MC GRATH A-4	62 11 6 62 10 41	154 43 24 154 44 20	S 24N 30W11 S 24N 30W10
335-30-16600-2300-3030-4238-5015	MC GRATH A-4	62 10 56 62 8 49	154 42 57 154 39 46	S 24N 30W11 S 24N 29W30
335-30-16600-2300-3030-4238-5020	MC GRATH A-4	62 9 45 62 8 28	154 42 20 154 44 37	S 24N 30W24 S 24N 30W27
335-30-16600-2300-3030-4238-5020-6004	MC GRATH A-4	62 9 31 62 9 18	154 42 17 154 44 22	S 24N 30W24 S 24N 30W22

Stream/lake	Map Sheet	Lat.	Long.	Legal
335-30-16600-2300-3030-4238-5030	MC GRATH A-4	62 7 53 62 7 6	154 41 57 154 44 10	S 24N 30W36 S 23N 30W 2
335-30-16600-2300-3030-4238-5033	MC GRATH A-4	62 7 28 62 6 51	154 42 6 154 42 3	S 24N 30W36 S 23N 30W 1
335-30-16600-2300-3030-4245	MC GRATH A-4	62 9 19 62 7 35	154 39 45 154 36 27	S 24N 29W19 S 24N 29W33
335-30-16600-2300-3030-4245-5010	MC GRATH A-4	62 8 47 62 6 57	154 38 42 154 36 42	S 24N 29W29 S 23N 29W 4
335-30-16600-2300-3030-4259	MC GRATH A-4	62 7 33 62 4 23	154 39 40 154 36 55	S 24N 29W31 S 23N 29W21
335-30-16600-2300-3030-4259-5013	MC GRATH A-4	62 6 48 62 6 11	154 38 34 154 37 17	S 23N 29W 5 S 23N 29W 8
335-30-16600-2300-3030-4265	MC GRATH A-4	62 6 41 62 2 49	154 39 34 154 37 55	S 23N 29W 6 S 23N 29W32
335-30-16600-2300-3030-4265-5015	MC GRATH A-4	62 3 36 62 3 27	154 39 43 154 37 54	S 23N 29W29 S 23N 29W29
335-30-16600-2300-3030-4278	MC GRATH A-4	62 4 42 62 2 11	154 41 50 154 44 17	S 23N 30W13 S 23N 30W35
335-30-16600-2300-3030-4278-5006	MC GRATH A-4	62 4 31 62 3 23	154 42 15 154 44 37	S 23N 30W24 S 23N 30W27
335-30-16600-2300-3030-4278-5011	MC GRATH A-4	62 3 57 62 2 1	154 42 16 154 42 43	S 23N 30W24 S 23N 30W35
335-30-16600-2300-3030-4288	MC GRATH A-4	62 2 39 62 2 3	154 40 20 154 41 5	S 23N 29W31 S 23N 30W36
335-30-16600-2300-3030-4296	MC GRATH A-4	62 1 39 62 0 53	154 39 16 154 41 24	S 22N 29W 6 S 22N 30W12
335-30-16600-2300-3030-4307	MC GRATH A-4	62 1 2 62 0 7	154 37 31 154 34 9	S 22N 29W 8 S 22N 29W15
335-30-16600-2300-3030-4311	MC GRATH A-4	62 0 48 62 0 0	154 37 17 154 35 24	S 22N 29W 8 S 22N 29W16
335-30-16600-2300-3040	MC GRATH D-4	62 57 16 62 55 15	154 48 39 154 47 18	S 33N 29W17 S 33N 29W28
335-30-16600-2300-3040-4010	MC GRATH D-4	62 56 1 62 55 38	154 48 31 154 49 14	S 33N 29W20 S 33N 29W29
335-30-16600-2300-3040-4014	MC GRATH D-4	62 55 51 62 55 14	154 48 22 154 48 10	S 33N 29W20 S 33N 29W29
335-30-16600-2300-3040-4019	MC GRATH D-4	62 55 49 62 55 31	154 48 6 154 46 44	S 33N 29W20 S 33N 29W28
335-30-16600-2300-3055 Pitka Fork (Middle Fork Kuskokwim River)	MC GRATH D-4 MC GRATH C-3	62 56 15 62 31 41	154 44 42 154 16 32	S 33N 29W22 S 28N 27W 9
335-30-16600-2300-3055-4020 Tonlhona Creek	MC GRATH D-4	62 57 1 62 53 30	154 40 5 154 37 48	S 33N 28W18 S 32N 29W 1
335-30-16600-2300-3055-4035	MC GRATH D-4	62 56 40 62 57 21	154 37 54 154 32 58	S 33N 28W17 S 33N 28W15
335-30-16600-2300-3055-4055 Salmon River	MC GRATH D-4 MC GRATH D-3	62 53 32 62 48 48	154 34 28 154 3 38	S 32N 28W 5 S 32N 26W36
335-30-16600-2300-3055-4055-5016	MC GRATH D-4 MC GRATH D-3	62 53 23 62 48 14	154 30 22 154 9 34	S 32N 28W 3 S 31N 26W 4
335-30-16600-2300-3055-4055-5016-6011	MC GRATH D-3	62 53 8 62 50 53	154 28 42 154 14 28	S 32N 28W 2 S 32N 27W24
335-30-16600-2300-3055-4055-5016-6011-7009	MC GRATH D-3	62 53 48 62 53 24	154 26 9 154 23 12	S 32N 28W 1 S 32N 27W 5
335-30-16600-2300-3055-4055-5016-6011-7009-8007	MC GRATH D-3	62 53 53 62 53 40	154 24 6 154 22 18	S 32N 27W 6 S 32N 27W 5
335-30-16600-2300-3055-4055-5016-6018	MC GRATH D-3	62 52 49 62 51 21	154 28 23 154 26 42	S 32N 28W11 S 32N 28W24
335-30-16600-2300-3055-4055-5016-6030	MC GRATH D-3	62 51 57 62 51 16	154 24 7 154 22 17	S 32N 27W18 S 32N 27W20
335-30-16600-2300-3055-4055-5016-6065	MC GRATH D-3	62 49 31 62 48 32	154 11 47 154 8 7	S 32N 26W32 S 31N 26W 3
335-30-16600-2300-3055-4055-5031	MC GRATH D-3	62 54 25 62 55 21	154 26 27 154 18 34	S 33N 27W32 S 33N 27W25
335-30-16600-2300-3055-4055-5040	MC GRATH D-3	62 54 26 62 49 46	154 24 39 154 7 40	S 33N 27W33 S 32N 26W27
335-30-16600-2300-3055-4055-5040-6045	MC GRATH D-3	62 51 27 62 50 27	154 11 21 154 7 57	S 32N 26W17 S 32N 26W27
335-30-16600-2300-3055-4055-5050	MC GRATH D-3	62 54 58 62 52 56	154 22 54 154 16 35	S 33N 27W27 S 32N 27W11
335-30-16600-2300-3055-4055-5657	MC GRATH D-3	62 55 19 62 54 49	154 17 59 154 12 51	S 33N 27W25 S 33N 26W33

Stream/lake	Map Sheet	Lat.	Long.	Level
335-30-16600-2300-3055-4055-5057-6011	MC GRATH D-3	62 55 23 62 54 34	154 15 8 154 11 14	S 33N 26W29 S 33N 26W34
335-30-16600-2300-3055-4055-5060	MC GRATH D-3	62 54 46 62 53 28	154 16 39 154 13 54	S 33N 26W31 S 32N 26W 6
335-30-16600-2300-3055-4055-5071	MC GRATH D-3	62 53 35 62 51 29	154 11 34 154 6 34	S 32N 26W 5 S 32N 26W14
335-30-16600-2300-3055-4055-5072	MC GRATH D-3	62 53 28 62 52 3	154 11 29 154 10 22	S 32N 26W 5 S 32N 26W16
335-30-16600-2300-3055-4055-5090	MC GRATH D-3	62 49 19 62 48 40	154 4 12 154 3 42	S 32N 26W36 S 31N 26W 1
335-30-16600-2300-3055-4075 Bear Creek	MC GRATH D-4 MC GRATH D-3	62 51 4 62 47 6	154 33 24 154 10 47	S 32N 28W20 S 31N 26W 8
335-30-16600-2300-3055-4095	MC GRATH D-4 MC GRATH D-3	62 48 33 62 48 31	154 30 7 154 23 46	S 31N 28W 3 S 31N 27W 6
335-30-16600-2300-3055-4115 Sullivan Creek	MC GRATH D-3	62 48 2 62 45 24	154 29 32 154 10 22	S 31N 28W 3 S 31N 26W21
335-30-16600-2300-3055-4135 Sheep Creek	MC GRATH D-3	62 46 32 62 45 42	154 28 32 154 23 7	S 31N 28W14 S 31N 27W20
335-30-16600-2300-3055-4135-5016	MC GRATH D-3 MC GRATH C-3	62 45 31 62 43 8	154 24 55 154 22 51	S 31N 27W19 S 30N 27W 5
335-30-16600-2300-3055-4157	MC GRATH C-3	62 44 20 62 41 16	154 26 3 154 22 14	S 31N 28W36 S 30N 27W17
335-30-16600-2300-3055-4157-5014	MC GRATH C-3	62 43 4 62 41 40	154 24 36 154 23 50	S 30N 27W 6 S 30N 27W18
335-30-16600-2300-3055-4169	MC GRATH C-3	62 41 32 62 38 54	154 25 3 154 21 15	S 30N 27W18 S 30N 27W33
335-30-16600-2300-3055-4185	MC GRATH C-3	62 32 17 62 31 57	154 16 44 154 15 37	S 28N 27W 9 S 28N 27W10
335-30-16600-2300-3095 Windv Fork Middle Fork Kuskokwim River	MC GRATH D-4 MC GRATH C-4	62 45 35 62 39 29	154 37 52 154 32 53	S 31N 29W24 S 30N 28W28
335-30-16600-2350 South Fork Kuskokwim River	MEDFRA A-4 MC GRATH D-3	63 5 15 62 57 56	154 38 19 154 10 15	K 28S 22E 3 S 33N 26W10
335-30-16600-2350-3075 Little Tonzona River	MC GRATH D-3 MC GRATH D-2	62 57 56 62 57 46	154 10 8 153 50 40	S 33N 26W10 S 33N 24W 9
335-30-16600-2350-3075-4012	MC GRATH D-3 MC GRATH D-2	62 58 10 62 55 52	154 7 35 153 56 46	S 33N 26W12 S 33N 25W24
335-30-16600-2350-3075-4030 Big Salmon Fork	MC GRATH D-2	62 57 14 62 49 33	153 56 6 153 35 32	S 33N 25W13 S 32N 23W33
335-30-16600-2350-3075-4030-5015	MC GRATH D-2	62 56 19 62 55 11	153 53 39 153 46 44	S 33N 24W19 S 33N 24W26
335-30-16600-2350-3075-4030-5015-6020	MC GRATH D-2	62 54 56 62 54 1	153 48 17 153 44 13	S 33N 24W27 S 33N 24W36
335-30-16600-2350-3075-4030-5015-6020-7010	MC GRATH D-2	62 54 17 62 52 33	153 47 42 153 42 52	S 33N 24W34 S 32N 24W11
335-30-16600-2350-3075-4030-5015-6020-7010-8020	MC GRATH D-2	62 53 8 62 52 4	153 45 32 153 43 56	S 32N 24W 3 S 32N 24W14
335-30-16600-2350-3075-4030-5015-6020-7016	MC GRATH D-2	62 54 18 62 53 37	153 47 4 153 44 25	S 33N 24W35 S 32N 24W 3
335-30-16600-2350-3075-4030-5015-6026	MC GRATH D-2	62 54 57 62 54 50	153 47 28 153 45 45	S 33N 24W27 S 33N 24W35
335-30-16600-2350-3075-4030-5042	MC GRATH D-2	62 53 7 62 48 6	153 48 4 153 36 53	S 32N 24W 8 S 31N 23W 5
335-30-16600-2350-3075-4030-5042-6018	MC GRATH D-2	62 50 38 62 49 16	153 45 28 153 45 50	S 32N 24W22 S 32N 24W34
335-30-16600-2350-3075-4030-5042-6018-7007	MC GRATH D-2	62 50 30 62 49 30	153 45 17 153 43 11	S 32N 24W27 S 32N 24W35
335-30-16600-2350-3075-4030-5042-6022	MC GRATH D-2	62 50 30 62 49 32	153 42 14 153 41 8	S 32N 24W25 S 32N 24W36
335-30-16600-2350-3075-4030-5042-6032	MC GRATH D-2	62 49 31 62 47 27	153 39 3 153 38 44	S 32N 23W31 S 31N 23W 7
335-30-16600-2350-3075-4030-5042-6035	MC GRATH D-2	62 49 28 62 49 2	153 38 35 153 35 41	S 32N 23W32 S 32N 23W33
335-30-16600-2350-3075-4030-5042-6041	MC GRATH D-2	62 48 35 62 48 36	153 37 10 153 36 31	S 31N 23W 5 S 31N 23W 4
335-30-16600-2350-3075-4030-5042-6045	MC GRATH D-2	62 48 31 62 48 20	153 37 12 153 36 38	S 31N 23W 5 S 31N 23W 4
335-30-16600-2350-3075-4030-5063	MC GRATH D-2	62 50 56 62 50 3	153 40 45 153 39 50	S 32N 24W24 S 32N 23W30
335-30-16600-2350-3075-4040 Deepbank Creek	MC GRATH D-2	62 57 26 62 56 30	153 52 57 153 51 39	S 33N 24W17 S 33N 24W17

Stream/lake	Map Sheet	Lat.	Long.	Legal
335-30-16600-2351 North Fork Kuskokwim River	MEDFRA A-4 MEDFRA C-1	63 5 20 63 43 24	154 30 29 153 12 7	K 28S 22E 3 K 20S 29E28
335-30-16600-2351-3012 East Fork Kuskokwim River	MEDFRA A-4 MEDFRA A-2	63 6 33 63 11 27	154 33 48 153 45 31	K 27S 23E31 K 26S 27E32
335-30-16600-2351-3012-4053	MEDFRA A-3	63 6 5 63 7 13	154 10 9 154 6 51	K 27S 25E31 K 27S 25E28
335-30-16600-2351-3012-4069 Jones Creek	MEDFRA A-3	63 4 8 63 2 55	154 3 41 154 1 26	K 28S 25E15 K 28S 25E24
335-30-16600-2351-3012-4069-5012	MEDFRA A-3	63 3 7 63 2 40	154 2 14 154 2 48	K 28S 25E23 K 28S 25E23
335-30-16600-2351-3012-4075	MEDFRA A-2	63 5 32 63 7 29	153 57 12 153 56 58	K 28S 26E 5 K 27S 26E29
335-30-16600-2351-3012-4075-5016	MEDFRA A-2	63 7 11 63 7 46	153 56 17 153 56 24	K 27S 26E29 K 27S 26E20
335-30-16600-2351-3012-4087	MEDFRA A-2	63 7 54 63 9 13	153 52 46 153 54 4	K 27S 26E22 K 27S 26E16
335-30-16600-2351-3012-4087-5006	MEDFRA A-2	63 8 2 63 8 47	153 52 50 153 52 43	K 27S 26E22 K 27S 26E15
335-30-16600-2351-3012-4100 Ekolina Creek	MEDFRA A-2	63 10 10 63 11 14	153 46 52 153 42 5	K 27S 27E 7 K 26S 27E34
335-30-16600-2351-3012-4100-5014	MEDFRA A-2	63 10 58 63 10 0	153 43 27 153 42 34	K 27S 27E 4 K 27S 27E 9
335-30-16600-2351-3012-4100-5014-6007	MEDFRA A-2	63 10 39 63 10 32	153 42 13 153 41 23	K 27S 27E 3 K 27S 27E 3
335-30-16600-2351-3012-4100-5017	MEDFRA A-2	63 11 17 63 11 49	153 43 14 153 39 39	K 26S 27E33 K 26S 27E35
335-30-16600-2351-3012-4112 Tonzona River	MEDFRA A-2	63 11 27 63 7 9	153 45 26 153 31 21	K 26S 27E32 K 27S 28E28
335-30-16600-2351-3012-4112-5047	MEDFRA A-2 MEDFRA A-1	63 10 44 63 8 55	153 32 17 153 28 22	K 27S 28E 4 K 27S 28E14
335-30-16600-2351-3012-4112-5053 Dennis Creek	MEDFRA A-2 MEDFRA A-1	63 9 39 63 9 51	153 32 1 153 20 17	K 27S 28E 9 K 27S 29E 9
335-30-16600-2351-3012-4112-5053-6008	MEDFRA A-2 MEDFRA A-1	63 9 18 63 6 16	153 30 59 153 26 23	K 27S 28E15 K 27S 28E36
335-30-16600-2351-3012-4112-5053-6008-7023	MEDFRA A-2 MEDFRA A-1	63 7 50 63 7 16	153 30 38 153 28 15	K 27S 28E22 K 27S 28E26
335-30-16600-2351-3012-4112-5053-6008-7030	MEDFRA A-1	63 6 39 63 6 13	153 28 26 153 28 7	K 27S 28E35 K 27S 28E35
335-30-16600-2351-3012-4112-5053-6018	MEDFRA A-1	63 7 38 63 6 16	153 27 27 153 23 58	K 27S 28E26 K 27S 29E31
335-30-16600-2351-3012-4112-5053-6026	MEDFRA A-1	63 7 45 63 6 53	153 26 19 153 24 7	K 27S 28E24 K 27S 29E30
335-30-16600-2351-3012-4112-5053-6028	MEDFRA A-1	63 7 47 63 7 8	153 26 19 153 23 0	K 27S 28E24 K 27S 29E29
335-30-16600-2351-3012-4112-5053-6034	MEDFRA A-1	63 8 27 63 8 10	153 23 31 153 23 12	K 27S 29E19 K 27S 29E20
335-30-16600-2351-3012-4112-5066	MEDFRA A-2	63 7 33 63 6 54	153 32 49 153 31 28	K 27S 28E28 K 27S 28E28
335-30-16600-2351-3012-4113 Slow Fork Kuskokwim River	MEDFRA A-2 MT MC KINLEY B-6	63 11 28 63 15 26	153 45 29 152 56 48	K 26S 27E32 F 19S 28W20
335-30-16600-2351-3012-4113-5015	MEDFRA A-2	63 13 53 63 14 6	153 43 43 153 47 13	K 26S 27E16 K 26S 27E18
335-30-16600-2351-3012-4113-5020	MEDFRA A-2	63 14 38 63 11 48	153 41 38 153 36 47	K 26S 27E10 K 26S 27E36
335-30-16600-2351-3012-4113-5020-6013	MEDFRA A-2	63 14 4 63 14 23	153 40 8 153 37 27	K 26S 27E14 K 26S 27E13
335-30-16600-2351-3012-4113-5020-6013-0010	MEDFRA A-2	63 14 23	153 38 15	K 26S 27E13
335-30-16600-2351-3012-4113-5020-6013-7008	MEDFRA A-2	63 14 8 63 13 40	153 39 17 153 37 37	K 26S 27E14 K 26S 27E24
335-30-16600-2351-3012-4113-5020-6021	MEDFRA A-2	63 13 10 63 12 15	153 38 57 153 36 17	K 26S 27E23 K 26S 28E30
335-30-16600-2351-3012-4113-5020-6021-7005	MEDFRA A-2	63 13 1 63 12 55	153 38 33 153 36 50	K 26S 27E24 K 26S 27E24
335-30-16600-2351-3012-4113-5029	MEDFRA B-2	63 16 8 63 17 21	153 41 39 153 42 6	K 26S 27E 3 K 25S 27E27
335-30-16600-2351-3012-4113-5037	MEDFRA B-2	63 17 27 63 18 24	153 39 9 153 36 56	K 25S 27E26 K 25S 27E24
335-30-16600-2351-3012-4113-5045 Tonclanukna Creek	MEDFRA B-2 MEDFRA B-1	63 17 48 63 19 12	153 34 53 153 26 38	K 25S 28E29 K 25S 28E13

Stream/lake	Map Sheet	Lat.	Long.	Legal
335-30-16600-2351-3012-4113-5045-6021	MEDFRA B-2 MEDFRA B-1	63 19 15 63 23 42	153 32 1 153 19 47	K 25S 28E16 K 24S 29E19
335-30-16600-2351-3012-4113-5063 Telidasida Creek	MEDFRA B-1	63 16 39 63 18 19	153 25 6 153 21 49	K 25S 29E31 K 25S 29E20
335-30-16600-2351-3012-4113-5063-6010 Hiddle Creek	MEDFRA B-1	63 16 38 63 16 25	153 25 6 153 22 3	K 25S 29E31 K 25S 29E32
335-30-16600-2351-3012-4113-5063-6010-7003	MEDFRA B-1	63 16 37 63 17 12	153 24 47 153 22 20	K 25S 29E31 K 25S 29E32
335-30-16600-2351-3012-4113-5085	MEDFRA B-1	63 16 49 63 17 37	153 11 54 153 9 37	K 25S 30E32 K 25S 30E28
335-30-16600-2351-3012-4113-5096	MEDFRA B-1	63 17 22 63 16 24	153 5 51 153 3 18	K 25S 30E26 K 25S 30E36
335-30-16600-2351-3012-4113-5096-6010	MEDFRA B-1	63 16 46 63 16 21	153 6 24 153 7 23	K 25S 30E34 K 25S 30E34
335-30-16600-2351-3012-4113-5096-6020	MEDFRA B-1	63 16 25 63 15 37	153 6 3 153 5 9	K 25S 30E35 K 26S 30E 2
335-30-16600-2351-3012-4113-5099	MEDFRA B-1	63 17 17 63 17 11	153 5 35 153 0 29	K 25S 30E26 K 25S 31E31
335-30-16600-2351-3055 Soda Creek	MEDFRA B-3	63 15 29 63 19 19	154 1 23 154 12 43	K 26S 25E12 K 25S 24E13
335-30-16600-2351-3076 Swift Fork Kuskokwim River	MEDFRA C-1 MEDFRA B-1	63 34 34 63 21 31	153 29 48 153 3 9	K 22S 28E17 K 25S 30E 1
335-30-16600-2351-3076-4080	MEDFRA B-1	63 28 15 63 26 18	153 17 55 153 20 59	K 23S 29E29 K 24S 29E 6
335-30-16600-2351-3076-4080-5010	MEDFRA B-1	63 27 44 63 27 56	153 19 23 153 20 12	K 23S 29E29 K 23S 29E30
335-30-16600-2351-3076-4080-5020	MEDFRA B-1	63 27 11 63 27 33	153 20 3 153 21 3	K 23S 29E31 K 23S 29E31
335-30-16600-2351-3076-4080-5026	MEDFRA B-1	63 27 1 63 27 3	153 20 21 153 21 9	K 23S 29E31 K 23S 29E31
335-30-16600-2351-3076-4081 Red Slough	MEDFRA B-1 MEDFRA C-1	63 23 36 63 33 38	153 15 31 153 21 53	K 24S 29E22 K 22S 28E25
335-30-16600-2351-3076-4091	MEDFRA B-1	63 24 4 63 26 3	153 14 17 153 10 30	K 24S 29E22 K 24S 29E 1
335-30-16600-2351-3076-4091-0010 Lower Telida Lake	MEDFRA B-1	63 25 15	153 14 0	K 24S 29E10
335-30-16600-2351-3076-4091-0020 Upper Telida Lake	MEDFRA B-1	63 26 30	153 9 43	K 24S 30E 6
335-30-16600-2351-3076-4109 Highpower Creek	MEDFRA B-1	63 24 32 63 29 25	153 7 28 153 0 0	K 24S 30E17 F 16S 28W33
335-30-16600-2351-3076-4109-5008	MEDFRA B-1	63 24 50 63 23 39	153 6 22 153 3 42	K 24S 30E17 K 24S 30E22



Stream/lake	Map Sheet	Lat.	Long.	Legal
334-40-11000-2125-3661 Alatna River	BETTLES C-6 WISEMAN A-6	66 34 14 67 1 57	152 37 32 153 15 59	F 20N 24W11 K 19N 25E24
334-30-11000-2532-3700 American Creek	OPHIR A-2	63 13 51 63 13 57	156 41 19 156 42 18	K 26S 11E13 K 26S 11E14
334-30-11000-2701 Anvik River	HOLY CROSS C-3 UNALAKLEET C-3	62 40 53 63 35 15	160 12 3 160 9 21	S 30N 58W20 K 22S 8W14
334-40-11000-2125-3073-4145 Arvesta Creek	KATEEL RIVER A-6	65 9 0 65 7 22	158 47 25 158 46 17	K 4S 1W12 K 4S 1W24
335-30-16600-2070-3101-4055 Babel Creek	LIME HILLS C-5 LIME HILLS D-4	61 37 13 61 46 5	154 41 55 154 27 8	S 18N 30W27 S 19N 29W 1
334-40-11000-2490-3121 Baker Creek	KANTISHNA RIVER D-1 TANANA A-1	64 58 18 65 5 18	150 28 17 150 17 16	F 2N 14W30 F 3N 13W18
334-40-11000-2125-3525 Batza River	MELOZITNA D-3 HUGHES	65 57 5 66 2 59	154 25 45 154 36 29	K 6N 21E 3 K 8N 20E35
334-40-11000-2125-3740-4280 Bear Creek	WISEMAN A-1	67 0 34 67 0 24	150 26 4 150 25 52	F 25N 13W 9 F 25N 13W 9
334-40-11000-2521 Bear Creek	TANANA B-2 TANANA B-3	65 21 44 65 24 30	150 59 41 151 6 25	F 6N 17W11 F 7N 17W29
334-35-11000-2005 Bear Creek	UNALAKLEET C-1 UNALAKLEET C-2	63 38 37 63 39 45	159 24 18 159 32 21	K 21S 4W27 K 21S 5W13
334-40-11000-2490-3140-4115-5034 Bear Creek	MT MC KINLEY D-2	63 58 47 63 58 20	150 49 33 150 57 4	F 11S 17W11 F 11S 17W 7
335-30-16600-2300-3055-4075 Bear Creek	MC GRATH D-4 MC GRATH D-3	62 51 4 62 47 6	154 33 24 154 10 47	S 32N 28W20 S 31N 26W 8
334-40-11000-2490-3140-4115 Bearpaw River	KANTISHNA RIVER A-2 MT MC KINLEY C-2	64 5 31 63 42 53	150 41 52 150 53 59	F 9S 16W33 F 14S 17W 8
334-30-11000-2532-3716 Beaver Creek	OPHIR A-2	63 9 39 63 8 40	156 40 43 156 40 58	K 27S 11E12 K 27S 11E13
334-30-11000-2701-3095 Beaver Creek	HOLY CROSS D-4 UNALAKLEET A-5	62 50 36 63 0 59	160 43 10 161 5 34	S 32N 61W21 K 28S 13W35
334-40-11000-2810-3100 Beaver Creek	BEAVER A-2 LIVENGOOD B-2	66 12 37 65 25 40	147 33 13 147 46 45	F 16N 1E16 F 7N 1W16
334-40-11000-2810 Beaver Slough	BEAVER A-2 BEAVER B-1	66 14 57 66 18 2	147 35 49 147 26 1	F 16N 1E 5 F 17N 1E13
334-40-11000-2490-3151-4020-5191 Belle Creek	LIVENGOOD A-1	65 12 25 65 12 48	147 11 2 147 11 38	F 4N 3E 5 F 5N 3E31
334-40-11000-2125-3912-4260 Bettles River	CHANDALAR C-6	67 38 27 67 37 51	149 44 45 149 43 27	F 33N 10W35 F 32N 10W 2
334-40-11000-2255-3180 Big Creek	MELOZITNA B-4	65 15 31 65 15 52	154 44 28 154 36 36	K 3S 20E 3 K 3S 21E 5
334-40-11000-2266 Big Creek	RUBY D-5	64 47 45 64 45 32	155 19 4 155 3 5	K 8S 17E13 K 8S 19E32
334-40-11000-2125-3500-4060 Big Creek	MELOZITNA D-1	65 57 13 65 54 56	153 25 56 153 27 55	K 6N 26E 5 K 6N 26E18
335-30-16600-2300-3030 Big River	MC GRATH D-4 MC GRATH A-4	62 57 55 62 0 0	154 52 35 154 38 1	S 33N 30W12 S 22N 29W17
335-30-16600-2350-3075-4030 Big Salmon Fork	MC GRATH D-2	62 57 14 62 49 33	153 56 6 153 35 32	S 33N 25W13 S 32N 23W33
334-40-11000-2681 Big Salt River	LIVENGOOD D-6 TANANA D-1	65 51 3 65 53 11	149 54 24 150 9 0	F 12N 11W20 F 12N 13W12
334-45-11000-2325-3178 Big Sitdown Creek	CHARLEY RIVER C-1	65 43 39 65 43 18	141 17 30 141 15 30	F 10N 31E 4 F 10N 31E 3
334-40-11000-2860-3030-4080 Birch Creek	FORT YUKON B-4 CIRCLE B-2	66 16 16 65 19 44	145 30 10 144 52 57	F 17N 10E25 F 6N 14E21
334-40-11000-2490-3140-4146 Birch Creek	MT MC KINLEY D-4 MT MC KINLEY B-4	63 52 0 63 28 23	151 33 17 151 51 3	F 12S 20W19 F 17S 22W 6
334-45-11000-2001-3050-4040 Black River	FORT YUKON C-2 BLACK RIVER A-3	66 41 13 66 9 12	144 41 40 142 18 54	F 22N 14E34 F 15N 26E 6
334-45-11000-2001-3050 Black River Slough	FORT YUKON C-2	66 38 42 66 41 45	144 55 0 144 41 37	F 21N 13E15 F 22N 14E34
334-40-11000-2255-3168 Black Sand Creek	MELOZITNA A-5 MELOZITNA A-4	65 7 52 65 4 30	155 3 26 154 53 39	K 4S 19E19 K 5S 20E 7
334-30-11000-2951 Blackburn Creek	UNALAKLEET B-2	63 22 27 63 21 37	159 33 57 159 44 31	K 24S 5W26 K 24S 6W36
335-30-16600-2300-3020 Blackwater Creek	MC GRATH D-4 MC GRATH C-5	62 57 35 62 43 57	154 53 48 155 6 8	S 33N 30W11 S 31N 31W33
334-40-11000-2860-3030-4080-5100 Bluff Creek	CIRCLE D-1	65 46 11 65 46 39	144 18 58 144 20 47	F 11N 16E24 F 11N 16E14
334-30-11000-2651 Bonasila River	HOLY CROSS C-3 HOLY CROSS D-5	62 37 0 62 51 20	160 12 32 161 13 27	S 28N 59W10 S 32N 64W23

Stream/lake	Map Sheet	Lat.	Long.	Legal
335-30-16600-2255-3035-4290-5011 Boulder Creek	MEDFRA B-4	63 23 7 63 21 50	154 37 12 154 37 41	K 24S 22E28 K 24S 22E33
334-40-11000-2125-3073-4100 Box River	KATEEL RIVER B-6	65 23 22 65 20 29	158 32 48 158 51 20	K 1S 2E19 K 2S 1W 3
334-40-11000-2490-3329-4095 Butte Creek	BIG DELTA C-4	64 38 36 64 39 34	145 52 42 145 51 28	F 3S 9E23 F 3S 9E13
334-40-11000-2125-3500-4070 Calamity Creek	MELOZITNA D-1	65 57 44 65 56 58	153 24 51 153 21 42	K 7N 26E33 K 6N 26E 3
334-30-11000-2532-3600-4051-5020 California Creek	IDITAROD D-3	62 52 25 62 50 8	157 21 12 157 17 28	S 32N 43W 9 S 32N 43W26
335-30-16600-2040-3140 Can Creek	LIME HILLS B-6 LIME HILLS A-5	61 15 44 61 3 24	155 3 33 154 47 55	S 14N 32W32 S 11N 31W 9
334-40-11000-2533 Canyon Creek	TANANA B-2	65 25 46 65 28 7	150 48 9 150 48 59	F 7N 16W14 F 7N 16W 3
334-30-11000-2701-3300 Canyon Creek	UNALAKLEET A-4 UNALAKLEET B-3	63 14 43 63 16 22	160 41 30 160 20 28	K 26S 11W12 K 25S 9W35
334-40-11000-2125-3355-4035 Caribou Creek	HUGHES	66 10 44 66 8 12	155 26 51 155 53 37	K 9N 16E16 K 9N 14E33
334-40-11000-2490-3151-4020-5283 Caribou Creek	CIRCLE B-6	65 17 13 65 17 40	146 32 34 146 32 44	F 5N 6E 5 F 5N 6E 5
334-40-11000-2490-3375-4015 Caribou Creek	BIG DELTA B-5	64 16 1 64 16 6	146 0 54 146 0 0	F 7S 9E32 F 7S 9E32
334-40-11000-2490-3329-4111 Caribou Creek	BIG DELTA C-4	64 40 1 64 40 47	145 42 28 145 42 47	F 3S 10E10 F 3S 10E 3
334-40-11000-2490-3140-4115-5076 Caribou Creek	MT MC KINLEY C-2	63 42 47 63 40 28	150 57 27 150 56 1	F 14S 18W12 F 14S 17W30
334-40-11000-2490-3151-4020-5252 Cassiar Creek	CIRCLE B-6	65 16 12 65 16 0	146 41 56 146 41 48	F 5N 5E10 F 5N 5E15
334-40-11000-2490-3407-4150 Central Creek	BIG DELTA B-2	64 22 26 64 22 51	144 57 10 144 51 44	F 6S 14E22 F 6S 14E24
334-40-11000-2925 Chandalar River	FORT YUKON C-5 CHANDALAR A-4	66 36 33 67 11 22	146 0 15 148 30 49	F 21N 8E34 F 27N 4W 6
334-40-11000-2125-3912-4070 Chapman Creek	WISEMAN A-1	67 5 41 67 5 50	150 29 16 150 27 54	F 26N 13W 7 F 26N 13W 8
334-45-11000-2300 Charley River	CHARLEY RIVER B-4 CHARLEY RIVER A-5	65 19 3 65 5 43	142 46 49 143 7 25	F 6N 14E27 F 3N 23E 8
334-40-11000-2490-3151-4020 Chatanika River	LIVENGOOD A-5 CIRCLE B-5	65 5 18 65 17 32	149 17 53 146 23 37	F 3N 9W13 F 5N 7E 6
334-40-11000-2490-3301 Chena River	FAIRBANKS D-2 BIG DELTA D-5	64 47 46 64 58 7	147 54 38 146 13 38	F 1S 2W27 F 2N 7E25
334-40-11000-2490-3703 Chisana River	TANACROSS A-2 NABESNA B-2	63 2 42 62 16 55	141 51 35 141 48 45	C 15N 19E32 C 6N 19E24
334-40-11000-2925-3062 Christian River	FORT YUKON C-4 FORT YUKON D-3	66 40 6 66 49 21	145 56 21 145 30 0	F 21N 8E 2 F 23N 10E14
334-40-11000-2125-3355-4045 Clear Creek	HUGHES	66 13 7 66 11 40	155 29 23 156 0 0	K 10N 16E32 K 9N 13E12
334-40-11000-2490-3140-4075 Clear Creek	KANTISHNA RIVER B-1	64 25 2 64 19 24	150 22 32 150 17 8	F 6S 14W 5 F 7S 14W11
334-40-11000-2490-3290-4010 Clear Creek	FAIRBANKS C-2	64 44 30 64 42 15	147 54 45 147 48 33	F 2S 2W15 F 2S 1W32
334-40-11000-2490-3370 Clear Creek	BIG DELTA A-5 BIG DELTA A-4	64 14 33 64 9 49	146 16 27 145 58 37	F 8S 7E12 F 9S 9E 4
335-30-16600-2255-3035-4130-5010 Clear Creek	MEDFRA A-5	63 13 5 63 12 3	155 16 24 155 16 11	K 26S 19E20 K 26S 19E29
335-30-16600-2255-3035-4170 Clear Creek	MEDFRA A-5	63 13 22 63 13 3	155 3 38 155 0 7	K 26S 20E21 K 26S 20E23
334-40-11000-2490-3200-4011-5015-6010 Clear Creek	FAIRBANKS B-5	64 26 43 64 24 40	149 6 30 149 8 21	F 5S 8W34 F 6S 8W 9
334-40-11000-2490-3416 Clearwater Creek	BIG DELTA A-4 BIG DELTA A-3	64 6 11 64 0 15	145 33 36 145 12 26	F 9S 11E27 F 10S 13E33
334-40-11000-2490-3412-0010 Clearwater Lake	BIG DELTA A-4	64 5 6	145 35 42	F 9S 11E33
334-45-11000-2001-3271 Coleen River	COLEEN A-3 COLEEN	67 4 20 67 44 57	142 29 43 142 26 32	F 26N 24E17 F 34N 23E25
334-40-11000-2490-3301-4085 Colorado Creek	BIG DELTA D-6	64 54 1 64 54 54	146 37 25 146 38 11	F 1N 5E24 F 1N 5E13
334-40-11000-2490-3060 Cosna River	KANTISHNA RIVER D-3 KANTISHNA RIVER C-4	64 51 42 64 42 52	151 24 16 151 34 46	F 1S 19W 5 F 2S 20W28
334-40-11000-2490-3301-4110 Crawford Creek	BIG DELTA D-5	64 53 45 64 53 26	146 25 3 146 25 3	F 1N 7E19 F 1N 7E30

Stream/lake	Map Sheet	Lat.	Long.	Legal
334-40-11000-2490-3151-4020-5259 Cripple Creek	CIRCLE B-6	65 16 26 65 16 56	146 38 29 146 38 44	F 5N 5E12 F 5N 5E11
334-40-11000-2490-3151-4020-5185 Crooked Creek	LIVENGOD A-1	65 11 59 65 12 37	147 13 29 147 13 43	F 4N 3E 6 F 5N 2E36
334-45-11000-2001-3105 Curtis Slough	FORT YUKON D-1	66 46 36 66 48 39	144 15 38 144 1 43	F 23N 16E34 F 23N 17E22
334-40-11000-2125-3200 Cutoff Slough	KATEEL RIVER D-1 MELOZITNA D-6	65 52 26 65 58 39	156 15 1 155 49 56	K 6N 12E36 K 7N 14E25
334-40-11000-2445-3091 Dagislakhna Creek	TANANA C-5	65 31 1 65 32 12	152 12 55 152 13 25	F 8N 23W14 F 8N 23W11
334-40-11000-2125-3131 Dagitti River	KATEEL RIVER C-2	65 33 34 65 36 58	156 56 19 156 54 19	K 2N 9E23 K 3N 9E36
334-40-11000-2125-3225 Dakli River	SHUNGNAK	66 0 0 66 14 59	156 15 12 156 19 34	K 7N 12E13 K 10N 12E21
334-40-11000-2703 Dall River	BEAVER A-5 BEAVER A-6	66 0 26 66 13 19	149 15 27 149 42 28	F 14N 8W28 F 16N 10W 8
334-40-11000-2490-3329-4092 Deep Creek	BIG DELTA C-4	64 38 2 64 36 49	145 54 51 145 53 1	F 3S 9E22 F 3S 9E35
335-30-16600-2350-3075-4040 Deepbank Creek	MC GRATH D-2	62 57 26 62 56 36	153 52 57 153 51 39	S 33N 24W17 S 33N 24W17
335-30-16600-2351-3012-4112-5053 Dennis Creek	MEDFRA A-2 MEDFRA A-1	63 9 39 63 9 51	153 32 1 153 20 17	K 27S 28E 9 K 27S 29E 9
334-30-11000-2532-3600 Dishna River	OPHIR C-3 IDITAROD C-4	63 36 19 62 36 45	157 17 6 157 30 44	K 22S 8E 3 S 29N 44W10
334-40-11000-2255-3320 Dome Creek	MELOZITNA C-3	65 30 50 65 30 9	154 3 34 154 2 0	K 1N 23E 3 K 1N 23E11
334-40-11000-2125-3740-4080-5062 Douglas Creek	BETTLES D-2	66 51 23 66 51 26	150 33 56 150 31 41	F 24N 14W34 F 24N 14W35
334-40-11000-2125-3355-4035-5010 Dry Creek	HUGHES	66 9 44 66 10 18	155 32 49 155 39 19	K 9N 16E19 K 9N 15E22
334-30-11000-2981 Dugan Creek	UNALAKLEET B-2	63 29 34 63 28 22	159 30 48 159 35 13	K 23S 4W18 K 23S 5W26
334-40-11000-2125-3150 Dulbi Slough	KATEEL RIVER B-1	65 26 43 65 25 41	156 19 15 156 17 45	K 1N 12E35 K 1S 12E 1
334-40-11000-2125-3740-4180 Eagle Creek	BETTLES D-2	66 59 30 66 58 50	150 30 46 150 30 2	F 25N 14W13 F 25N 13W19
335-30-16600-2040-3177 Eagle Mountain Creek	LIME HILLS A-4	61 7 58 61 8 21	154 29 30 154 26 21	S 12N 29W18 S 12N 29W 9
334-40-11000-2925-3250 East Fork Chandalar River	CHANDALAR CHRISTIAN	67 5 44 67 38 3	147 13 33 146 3 58	F 26N 2E12 F 32N 8E 6
334-40-11000-2490-3301-4140-5009 East Fork Chena River	BIG DELTA D-5	64 56 28 64 56 52	146 13 37 146 12 58	F 1N 7E 1 F 1N 7E 1
335-30-16600-2351-3012 East Fork Kuskokwim River	MEDFRA A-4 MEDFRA A-2	63 6 33 63 11 27	154 33 48 153 45 31	K 27S 23E31 K 26S 27E32
334-40-11000-2490-3140-4065-5085 East Fort Toklat River	MT MC KINLEY D-1	63 54 16 63 52 45	150 8 36 150 3 33	F 12S 13W 5 F 12S 13W15
335-30-16600-2351-3012-4100 Ekolina Creek	MEDFRA A-2	63 10 10 63 11 14	153 46 52 153 42 5	K 27S 27E 7 K 26S 27E34
335-30-16600-2170-3020 First Fork Selatna River	MC GRATH C-6 MC GRATH B-6	62 30 13 62 27 13	155 41 37 155 42 0	S 28N 35W24 S 27N 35W 2
334-40-11000-2125-3740-4020 Fish Creek	BETTLES C-4 BETTLES C-2	66 36 33 66 38 19	151 35 12 150 56 45	F 21N 19W36 F 21N 16W23
334-40-11000-2538 Fish Creek	TANANA B-2	65 25 20 65 23 44	150 45 11 150 46 4	F 7N 16W24 F 7N 16W36
334-40-11000-2820-3010 Fish Slough	BEAVER B-1	66 18 48 66 19 42	147 22 58 147 14 5	F 17N 2E 8 F 17N 2E 1
334-40-11000-2490-3151-4020-5216 Flat Creek	CIRCLE A-6	65 13 43 65 13 8	146 52 49 146 52 1	F 5N 4E26 F 5N 4E35
334-40-11000-2490-3329-4088 Flat Creek	BIG DELTA C-5	64 35 15 64 34 23	146 7 35 146 4 20	F 4S 8E10 F 4S 8E14
334-40-11000-2490-3301-4063 Flat Creek	BIG DELTA D-6	64 52 9 64 52 47	146 46 18 146 46 43	F 1N 5E32 F 1N 5E29
334-40-11000-2490-3140-4115-5029 Flume Creek	KANTISHNA RIVER A-2 MT MC KINLEY D-2	64 0 6 63 56 48	150 47 9 150 44 44	F 10S 17W36 F 11S 16W20
334-30-11000-2532-3681 Folger Creek	OPHIR C-1	63 33 0 63 31 19	156 23 12 156 21 39	K 22S 13E29 K 23S 13E 4
334-40-11000-2490-3140-4146-5010-6045 Foraker River	MT MC KINLEY D-5 MT MC KINLEY B-4	63 53 26 63 27 15	152 5 42 151 52 24	F 12S 23W 8 F 17S 23W12
334-40-11000-2490-3301-4099 Fourmile Creek	BIG DELTA D-6	64 54 18 64 55 11	146 31 23 146 30 18	F 1N 6E21 F 1N 6E15

Stream/lake	Map Sheet	Lat.	Long.	Legal
334-45-11000-2390 Fourth of July Creek	CHARLEY RIVER A-2	65 11 51 65 9 17	141 49 42 141 51 3	F 4N 29E 3 F 4N 29E21
335-30-16600-2255-3098 Fourth of July Creek	IDITAROD D-1	62 49 44 62 49 9	156 19 44 156 23 28	S 32N 38W25 S 32N 38W34
334-40-11000-2255-3135 Fox Creek	MELOZITNA A-5	65 3 17 65 2 23	155 11 7 155 24 41	K 5S 18E15 K 5S 17E22
335-30-16600-2070-3083 Gagaryah River	LIME HILLS C-8 LIME HILLS C-6	61 37 15 61 44 31	155 38 30 154 54 5	S 18N 35W28 S 19N 31W16
334-30-11000-2532-3746 Ganes Creek	OPHIR / 1 IDITAROD D-2	63 5 58 62 51 56	156 25 38 156 45 28	K 27S 13E32 S 32N 40W15
334-40-11000-2125-3055 Gisasa River	KATEEL RIVER B-4 NORTON BAY C-1	65 15 45 64 38 49	157 40 46 159 21 47	K 3S 6E 5 K 10S 4W 1
334-40-11000-2255-3174-4040 Glacier Creek	MELOZITNA A-4	65 7 16 65 6 7	154 42 19 154 41 19	K 4S 20E23 K 4S 20E35
334-40-11000-2490-3200-4011-5015-6010-7011 Glacier Creek	FAIRBANKS B-5	64 25 9 64 24 2	149 7 30 149 7 14	F 6S 8W 3 F 6S 8W15
334-40-11000-2490-3407-4221 Glacier Creek	BIG DELTA B-2	64 28 10 64 28 46	144 40 25 144 39 56	F 5S 15E24 F 5S 15E13
334-40-11000-2490-3140-4115-5072 Glacier Creek	MT MC KINLEY C-2	63 43 35 63 40 16	150 58 12 150 59 35	F 14S 18W 2 F 14S 18W26
334-30-11000-2701-3060 Goblet Creek	HOLY CROSS C-4	62 42 53 62 45 0	160 34 7 160 31 17	S 30N 60W 5 S 31N 60W27
334-40-11000-2405-5020 Golden Creek	MELOZITNA B-1	65 17 12 65 17 18	153 6 54 153 4 34	K 2S 28E28 K 2S 28E27
334-40-11000-2490-3407 Goodpaster River	BIG DELTA A-4 BIG DELTA B-2	64 9 54 64 29 24	145 37 49 144 33 36	F 9S 11E 5 F 5S 16E10
334-40-11000-2490-3329-4133 Goose Creek	BIG DELTA C-3	64 38 37 64 39 20	145 28 17 145 27 55	F 3S 11E23 F 3S 11E14
334-40-11000-2490-3416-4020-5020 Granite Creek	BIG DELTA A-3 MT HAYES D-3	64 1 27 63 59 37	145 18 2 145 17 34	F 10S 12E25 F 11S 12E 1
334-40-11000-2255-3025 Grayling Creek	RUBY D-6	64 49 33 64 50 24	155 35 41 155 41 51	K 8S 16E 3 K 7S 16E31
334-30-11000-2781 Grayling Creek	HOLY CROSS D-3	62 54 8 62 55 19	160 3 45 160 6 16	S 33N 57W34 S 33N 57W28
334-45-11000-2001-3050-4040-5339 Grayling Fork Black River	BLACK RIVER A-3	66 9 12 66 11 50	142 18 51 142 9 3	F 15N 26E 6 F 16N 26E24
334-40-11000-2125-3912-4135 Harmond River	WISEMAN B-1 WISEMAN C-1	67 27 37 67 39 15	150 1 59 150 1 16	F 30N 11W 5 F 33N 11W27
334-30-11000-2651-3291 Hawk River	HOLY CROSS C-4 HOLY CROSS B-5	62 30 6 62 27 16	160 52 51 161 12 50	S 28N 63W24 S 27N 64W 6
334-40-11000-2490-3151-4020-5115 Hayes Creek	LIVENGOOD A-3	65 2 53 65 3 1	148 4 7 148 4 45	F 3N 3W36 F 3N 3W36
334-40-11000-2125-3701 Henshaw (Sozhekla) Creek	BETTLES C-5 BETTLES D-6	66 33 12 66 58 27	152 13 21 152 44 45	F 20N 22W14 F 25N 24W24
334-40-11000-2650 Hess Creek	LIVENGOOD C-6	65 40 20 65 41 18	149 48 28 149 37 31	F 10N 11W22 F 10N 10W15
335-30-16600-2351-3076-4109 Highpower Creek	MEDFRA B-1	63 24 32 63 29 25	153 7 28 153 0 0	K 24S 30E17 F 16S 28W33
334-40-11000-2799-3004 Hodzana River	BEAVER B-2 BEAVER C-4	66 17 18 66 42 49	147 43 11 148 49 59	F 17N 1W22 F 22N 6W22
334-40-11000-2799 Hodzana Slough	BEAVER A-2 BEAVER B-2	66 14 9 66 16 56	147 53 37 147 42 29	F 16N 2W 2 F 17N 1W23
334-40-11000-2125-3355 Hogatza River	MELOZITNA D-5 HUGHES	65 59 55 66 13 9	155 23 44 155 29 24	K 7N 16E24 K 10N 16E32
334-30-11000-2532-3471 Holikachuk Slough	HOLY CROSS D-1 HOLY CROSS D-2	62 55 10 62 57 38	159 28 1 159 32 11	S 33N 54W26 S 33N 54W 9
334-40-11000-2125-3073-4015 Honhosa River	KATEEL RIVER B-4	65 28 27 65 20 16	157 44 49 157 55 0	K 1N 5E24 K 2S 5E 6
334-40-11000-2490-3301-4040 Horner Creek	BIG DELTA D-6	64 50 19 64 49 45	146 56 0 146 53 21	F 1S 4E10 F 1S 4E14
335-30-16600-2255-3035-4249 Hosmer Creek	MEDFRA B-4	63 20 28 63 22 47	154 49 0 154 51 30	K 25S 21E11 K 24S 21E29
334-40-11000-2255-3174 Hot Springs Creek	MELOZITNA A-4 MELOZITNA A-3	65 10 58 65 13 29	154 54 38 154 28 8	K 3S 19E35 K 3S 21E13
334-40-11000-2490-3140-4146-5700 Hult Creek	MT MC KINLEY B-4	63 28 23 63 24 43	151 51 3 151 50 0	F 17S 22W 6 F 17S 22W30
334-30-11000-2532-3661 Hunch Creek	OPHIR C-1	63 40 45 63 40 46	156 22 19 156 19 39	K 21S 13E 9 K 21S 13E10
335-30-16600-2040-3124 Hungry Creek	LIME HILLS B-7	61 20 46 61 18 48	155 25 56 155 27 8	S 15N 34W31 S 14N 34W 7

Stream/lake	Map Sheet	Lat.	Long.	Legal
334-40-11000-2490-3301-4060 Hunts Creek	BIG DELTA D-6	64 51 32 64 51 15	146 47 20 146 45 53	F 1S 5E 5 F 1S 5E 4
334-40-11000-2490-3121-4020 Hutlina Creek	TANANA A-1	65 0 36 65 9 40	150 19 57 150 8 28	F 2N 14W11 F 4N 13W23
334-30-11000-2532-3500 Iditarod River	OPHIR A-6 IDITAROD B-5	63 1 48 62 27 56	158 45 56 158 13 37	K 28S 1W25 S 27N 48W 5
334-40-11000-2405 Illinois Creek	MELOZITNA A-1 MELOZITNA B-1	65 11 4 65 17 12	153 4 32 153 6 55	K 3S 28E35 K 2S 28E28
334-30-11000-2532-3551-4101-5301 Illinois Creek	NULATO A-4	64 0 31 64 2 24	157 52 13 157 52 1	K 17S 5E22 K 17S 5E 3
334-40-11000-2490-3407-4187 Indian Creek	BIG DELTA B-2	64 28 36 64 29 56	144 54 47 144 56 39	F 5S 14E14 F 5S 14E10
334-45-11000-2325-3152 Indian Grave Creek	CHARLEY RIVER C-1	65 37 5 65 37 10	141 22 53 141 21 16	F 9N 30E12 F 9N 31E 7
334-40-11000-2125-3661-4100-5025 Iniakuk River	SURVEY PASS A-1 SURVEY PASS B-1	67 5 31 67 15 45	153 4 59 153 15 59	K 20N 26E35 K 22N 25E34
334-30-11000-2532 Innoko River	HOLY CROSS A-2 OPHIR A-1	62 11 47 63 6 0	159 43 3 156 25 39	S 24N 57W 3 K 27S 13E32
334-30-11000-2422-3121 Innoko Slough	HOLY CROSS A-2	62 0 24 62 12 18	159 37 17 159 37 20	S 22N 56W 7 S 24N 56W 6
335-30-16600-2255-3035-4065 Ivy Creek	MEDFRA A-6	63 11 34 63 10 58	155 35 41 155 42 14	K 26S 17E34 K 27S 17E 6
334-40-11000-2831 Jack Uheen Slough	BEAVER B-1	66 20 30 66 24 7	147 13 58 147 8 10	F 18N 2E36 F 18N 3E 9
334-30-11000-2651-3351 Jackson Creek	HOLY CROSS C-5	62 42 55 62 40 2	161 1 28 161 9 12	S 30N 63W 1 S 30N 63W30
334-40-11000-2125-3740-4080 Jim River	BETTLES D-3 BETTLES D-1	66 47 26 66 54 55	151 12 1 150 21 3	F 23N 17W27 F 24N 13W10
335-30-16600-2255-3035-4045 John Reek Creek	MEDFRA A-6	63 7 44 63 8 29	155 39 42 155 42 44	K 27S 17E20 K 27S 16E24
334-40-11000-2125-3841 John River	BETTLES D-4 WISEMAN B-5	66 54 51 67 26 10	151 39 3 152 4 25	F 24N 19W10 F 30N 20W 8
334-40-11000-2490-3440 Johnson Slough	MT HAYES C-2 MT HAYES C-1	63 42 40 63 42 40	144 34 58 144 23 3	F 14S 16E11 C 22N 5E 2
335-30-16600-2351-3012-4069 Jones Creek	MEDFRA A-3	63 4 8 63 2 55	154 3 41 154 1 26	K 28S 25E15 K 28S 25E24
335-30-16600-2255-3035-4260 Jones Creek	MEDFRA B-4	63 21 36 63 19 31	154 45 39 154 42 40	K 24S 21E35 K 25S 22E17
334-45-11000-2325-3035 Judge Creek	CHARLEY RIVER B-3	65 27 6 65 28 36	142 15 2 142 14 20	F 7N 27E 7 F 8N 27E32
334-40-11000-2490-3200-4011-5015 Julius Creek	FAIRBANKS B-5	64 28 53 64 26 43	149 8 5 149 6 29	F 5S 8W16 F 5S 8W34
334-30-11000-2201 Kako Creek	RUSSIAN MISSION D-7	61 51 31 61 56 45	161 19 47 161 21 47	S 20N 67W 1 S 21N 66W 3
334-30-11000-2201-0010 Kako Lake	RUSSIAN MISSION D-7	61 51 24	161 20 44	S 20N 67W 1
334-40-11000-2200-3050 Kala Creek	NULATO C-2 NULATO B-2	64 36 25 64 27 26	156 45 20 156 56 25	K 10S 11E19 K 12S 10E 7
334-40-11000-2200 Kala Slough	NULATO C-2	64 43 26 64 37 19	156 55 52 156 44 36	K 9S 10E 7 K 10S 11E18
334-40-11000-2200-3050 Kalakaket Creek	NULATO B-2	64 28 14 64 26 39	156 53 45 156 53 59	K 12S 10E 8 K 12S 10E17
334-35-11000-2065 Kaltag River	NULATO B-6	64 20 5 64 15 25	158 43 22 158 59 19	K 13S 1E29 K 14S 2W24
334-45-11000-2325 Kandik River (Charley Creek)	CHARLEY RIVER B-4 CHARLEY RIVER D-1	65 22 26 65 50 23	142 30 40 141 0 8	F 12N 25E 1 F 12N 32E26
334-40-11000-2490-3140 Kantishna River	FAIRBANKS D-6 MT MC KINLEY D-4	64 45 42 63 51 58	149 57 52 151 33 18	F 2S 12W 9 F 12S 20W19
334-40-11000-2125-3600-4100 Kanuti Kilolitna River	BETTLES A-5 TANANA D-4	66 12 21 65 58 6	152 2 33 151 49 36	F 16N 21W20 F 13N 20W 8
334-40-11000-2125-3600 Kanuti River	HUGHES BETTLES A-5	66 26 40 66 12 22	153 0 0 152 2 33	K 12N 27E13 F 16N 21W17
334-40-11000-2125-3073 Kateel River	KATEEL RIVER B-4 NORTON BAY D-1	65 27 12 64 53 57	157 37 31 159 18 13	K 1N 6E28 K 7S 3W 8
334-45-11000-2001-3050-4040-5301-6075 Kevinjik Creek	BLACK RIVER C-3	66 31 0 66 35 52	142 5 20 142 6 4	F 20N 26E36 F 21N 26E33
334-35-11000-2040 Khotol River	NULATO A-6 NULATO B-4	64 2 16 64 28 10	158 43 32 157 50 41	K 17S 1E 8 K 12S 5E10
334-40-11000-2490-3329-4070 Koepe Slough	BIG DELTA C-5	64 32 11 64 32 13	146 19 12 146 16 59	F 4S 7E27 F 4S 7E26

Stream/lake	Map Sheet	Lat.	Long.	Legal
334-40-11000-2490-3151-4020-5180 Kokomo Creek	LIVENGOOD A-1	65 10 39 65 10 31	147 17 10 147 16 31	F 4N 2E14 F 4N 2E14
334-30-11000-2551 Koserefski River	HOLY CROSS A-2 HOLY CROSS A-3	62 14 34 62 13 56	159 58 6 160 12 27	S 25N 58W23 S 25N 59W27
334-40-11000-2125 Koyukuk River	NULATO D-4 WISEMAN A-3	64 55 23 67 2 50	157 33 3 151 4 28	K 6S 6E36 F 26N 16W28
335-30-16600-2040-3225 Kristin Creek	LIME HILLS A-3	61 2 53 61 5 27	154 3 30 154 3 38	S 11N 27W15 S 12N 27W33
335-30-16600 Kuskokwim River	SLEETMUTE C-3 MEDFPA A-4	61 40 21 63 5 17	157 0 58 154 38 30	S 18N 43W 2 K 28S 27E 3
334-40-11000-2490-3407-4065 Liscum Slough	BIG DELTA A-3	64 11 13 64 11 58	145 14 57 145 15 12	F 8S 13E30 F 8S 13E30
334-40-11000-2255-3420 Little Melozitna River	MELOZITNA C-1 MELOZITNA B-1	65 38 21 65 28 30	153 11 19 153 20 52	K 3N 27E26 K 1N 27E19
334-30-11000-2532-3551-4101 Little Mud River	OPHIR D-4 NULATO A-4	63 48 4 64 0 30	157 45 30 157 52 13	K 19S 6E31 K 17S 5E22
334-40-11000-2490-3200-4071 Little Panguingue Creek	HEALY D-5	63 57 14 63 56 49	149 3 58 149 4 13	F 11S 8W23 F 11S 8W23
334-40-11000-2490-3325 Little Salcha River	FAIRBANKS C-1 BIG DELTA C-6	64 31 45 64 32 11	147 0 17 146 41 19	F 4S 4E31 F 4S 5E26
335-30-16600-2350-3075 Little Tonzona River	MC GRATH D-3 MC GRATH D-2	62 57 56 62 57 46	154 10 8 153 50 40	S 33N 26W10 S 33N 24W 9
335-30-16600-2040-3155 Little Underhill Creek	LIME HILLS A-5 LIME HILLS B-5	61 14 46 61 16 41	154 47 27 154 40 21	S 13N 31W 2 S 14N 30W28
334-40-11000-2490-3151-4020-5201 Long Creek	LIVENGOOD A-1	65 13 12 65 13 42	147 4 20 147 4 21	F 5N 3E35 F 5N 3E26
334-40-11000-2300-3100 Lost River	RUBY B-3	64 29 52 64 27 59	154 14 50 154 14 47	K 11S 23E34 K 12S 23E10
334-40-11000-2490-3200-4011-5025 Lost Slough	FAIRBANKS B-5	64 26 41 64 18 43	149 10 45 149 15 33	F 5S 8W32 F 7S 9W13
334-40-11000-2860 Lower Birch Creek Slough	FORT YUKON B-6	66 27 4 66 28 23	146 50 2 146 35 43	F 19N 4E26 F 19N 5E13
334-40-11000-2490-3329-4206 Lower Boulder Creek	BIG DELTA C-3 BIG DELTA C-2	64 39 3 64 38 54	145 1 15 144 58 49	F 3S 14E18 F 3S 14E17
334-40-11000-2860-3030 Lower Mouth Birch Creek	FORT YUKON B-6 FORT YUKON B-4	66 26 48 66 16 13	146 38 15 145 30 14	F 19W 5E26 F 17N 10E25
335-30-16600-2351-3076-4091-0010 Lower Telida Lake	MEDFRA B-1	63 25 15	153 14 0	K 24S 29E10
334-40-11000-2125-3500-4035 Macaroni Creek	MELOZITNA D-2	65 54 12 65 56 21	153 46 33 153 46 42	K 6N 24E22 K 6N 24E10
334-40-11000-2490-3329-4211 Maiden Creek	BIG DELTA C-2	64 39 30 64 40 2	144 58 8 144 58 40	F 3S 14E17 F 3S 14E 8
334-40-11000-2125-3661-4100 Malamute Fork Alatna River	SURVEY PASS A-1 WISEMAN A-6	67 1 56 67 6 37	153 15 58 152 44 5	K 19N 25E24 F 26N 24W 1
334-45-11000-2325-3029 Mardow Creek	CHARLEY RIVER B-3	65 26 8 65 27 39	142 19 17 142 18 33	F 7N 26E14 F 7N 26E 1
334-40-11000-2125-3912-4112 Marion Creek	WISEMAN B-1	67 19 9 67 19 7	150 10 21 150 10 3	F 29N 12W23 F 29N 12W23
334-40-11000-2490-3301-4114 Mastadon Creek	BIG DELTA D-5	64 53 48 64 53 34	146 24 40 146 23 41	F 1N 7E19 F 1N 7E19
334-40-11000-2125-3500 Mathews Slough	MELOZITNA D-4 MELOZITNA D-1	65 51 10 65 59 8	154 33 10 153 25 1	K 5N 20E12 K 7N 26E28
334-40-11000-2490-3329-4060 McCoy Creek	BIG DELTA C-5 BIG DELTA B-5	64 30 54 64 29 25	146 23 49 146 20 33	F 5S 7E 5 F 5S 7E10
334-40-11000-2490-3290-4020-5010 McDonald Creek	FAIRBANKS C-2	64 42 27 64 40 26	147 36 17 147 33 37	F 2S 1E29 F 3S 1E 9
334-30-11000-2701-3446 McDonald Creek	UNALAKLEET B-3	63 27 54 63 29 0	160 17 20 160 1 34	K 23S 8W30 K 23S 7W21
334-40-11000-2490-3140-4145 Mckinley River	MT MC KINLEY D-4	63 51 58 63 47 8	151 33 19 151 38 51	F 12S 20W19 F 13S 21W17
334-40-11000-2255-3420-4011 Melozimoran Creek	MELOZITNA C-1	65 36 6 65 35 12	153 10 23 153 3 7	K 2N 27E 1 K 2N 28E 9
334-40-11000-2255 Melozitna River	RUBY D-5 MELOZITNA C-1	64 45 48 65 39 26	155 27 33 153 4 18	K 4S 17E29 K 3N 28E17
335-30-16600-2351-3012-4113-5063-6010 Middle Creek	MEDFRA B-1	63 16 38 63 16 25	153 25 6 153 22 3	K 25S 29E31 K 25S 29E32
334-40-11000-2125-3912 Middle Fork Koyukuk River	WISEMAN A-3 CHANDALAR C-6	67 2 51 67 38 27	151 4 16 149 44 46	F 26N 16W28 F 33N 10W35
335-30-16600-2300 Middle Fork Kuskokwim River	MC GRATH D-4 MC GRATH C-4	62 59 6 62 37 45	154 57 58 154 40 0	S 33N 30W 4 S 29N 29W 2

Stream/Lake	Map Sheet	Lat.	Long.	Legal
334-40-11000-2490-3140-4146-5010-0010 Minchumina, Lake	MT MC KINLEY D-5	63 54 12	152 12 58	F 12S 24W 2
334-40-11000-2125-3912-4128 Hinnie Creek	WISEMAN B-1	67 25 13 67 24 56	150 6 1 150 1 42	F 30N 11W18 F 30N 11W21
334-40-11000-2600 Mirlock Creek	TANANA C-1 TANANA B-1	65 31 8 65 25 57	150 8 17 150 6 28	F 8N 13W13 F 7N 12W18
334-40-11000-2490-3151-4020-5276 Modoc Creek	CIRCLE B-6	65 16 49 65 16 36	146 34 30 146 33 2	F 5N 6E 8 F 5N 6E 8
334-40-11000-2490-3140-4115-5044 Moose Creek	MT MC KINLEY D-2 MT MC KINLEY C-2	63 53 15 63 31 30	150 54 7 150 40 20	F 12S 17W 9 F 16S 16W16
334-40-11000-2503 Morelock Creek	TANANA B-3	65 15 52 65 18 2	151 18 3 151 17 36	F 5N 18W17 F 6N 18W32
334-30-11000-2532-3551 Mud River	OPHIR C-4	63 39 59	157 41 40	K 21S 6E15
334-40-11000-2490-3140-4146-5010 Muddy River	MT MC KINLEY D-4 MT MC KINLEY D-5	63 53 9 63 53 28	151 35 43 152 5 44	F 12S 21W11 F 12S 23W 8
334-40-11000-2490-3301-4035 Mullen Slough	FAIRBANKS D-1 BIG DELTA 0-6	64 49 52 64 50 24	147 2 22 146 59 0	F 1S 3E13 F 1S 4E 8
334-40-11000-2490-3301-4140-5026 Munson Creek	BIG DELTA D-5	64 56 57 64 55 48	146 3 41 146 1 47	F 1N 8E 2 F 1N 8E12
335-30-16600-2255-3035-4230 Mystery Creek	MEDFRA B-4	63 17 27 63 17 5	154 53 7 154 48 37	K 25S 21E29 K 25S 21E35
334-40-11000-2490-3702 Nabesna River	TANACROSS A-2 NABESNA D-2	63 2 58 62 59 3	141 51 50 141 57 18	C 15N 19E29 C 14N 18E23
334-45-11000-2401 Nation River	CHARLEY RIVER A-2 CHARLEY RIVER B-2	65 11 47 65 18 21	141 41 38 141 36 5	F 4N 30E 5 F 6N 30E32
335-30-16600-2040-3220 Necons River	LIME HILLS A-3 LIME HILLS A-2	61 1 30 61 14 0	154 5 41 153 35 48	S 11N 27W20 S 13N 24W 9
334-40-11000-2490-3200 Nenana River	FAIRBANKS C-5 HEALY D-5	64 33 54 63 54 41	149 6 16 149 0 45	F 4S 8W14 F 11S 7W31
334-35-11000-2083 Ninemile River	NULATO C-5 NULATO B-6	64 37 41 64 27 31	158 17 51 158 44 25	K 10S 3E17 K 12S 1E 7
334-40-11000-2490-3329-4079 Ninetyeight Creek	BIG DELTA C-5	64 33 8 64 34 5	146 15 40 146 18 0	F 4S 7E24 F 4S 7E14
335-30-16600-2255-3035 Nixon Fork Tokotna River	MEDFRA A-6 MEDFRA B-4	63 2 6 63 23 39	155 39 49 154 37 59	K 28S 17E29 K 24S 22E21
335-30-16600-2350-3075-4030-5015 No Creek	MC GRATH D-2	62 56 19 62 55 11	153 53 39 153 46 44	S 33N 24W19 S 33N 24W26
334-45-11000-2600-3118 North Fork Fortymile River	EAGLE A-2 EAGLE B-3	64 14 37 64 22 59	141 45 2 142 0 58	F 8S 30E 2 F 6S 29E20
334-30-11000-2532-3621 North Fork Innoko River	OPHIR D-2 OPHIR D-1	63 49 15 63 57 27	156 37 14 156 18 39	K 19S 11E25 K 18S 13E 3
334-40-11000-2125-3911 North Fork Koyukuk River	WISEMAN A-3 WISEMAN B-2	67 2 53 67 25 32	151 4 33 150 47 57	F 26N 16W28 F 30N 15W13
335-30-16600-2351 North Fork Kuskokwim River	MEDFRA A-4 MEDFRA C-1	63 5 20 63 43 24	154 38 29 153 12 7	K 28S 22E 3 K 20S 29E28
334-40-11000-2490-3329-4147 North Fork Salcha River	BIG DELTA C-3	64 38 58 64 40 58	145 20 9 145 17 32	F 3S 12E16 F 3S 12E 2
335-30-16600-2070-3101 North Fork Swift River	LIME HILLS B-6 LIME HILLS C-4	61 29 21 61 39 51	155 0 26 154 22 4	S 16N 32W10 S 18N 28W 9
334-40-11000-2300 Nowitna River	RUBY D-3 RUBY A-3	64 55 35 64 4 15	154 16 10 154 16 8	K 6S 23E31 K 16S 23E26
334-40-11000-2490-3301-4015 Noyes Slough	FAIRBANKS D-2	64 50 35 64 50 54	147 48 24 147 42 35	F 1S 1W 8 F 1S 1W10
334-35-11000-2091-3011 Nulato River	NULATO C-5 NORTON BAY B-1	64 43 48 64 20 58	158 12 25 159 22 50	K 9S 3E11 K 13S 4W24
335-30-16600-2115 Nunsatuk River	IDITAROD B-1	62 17 46 62 16 32	156 12 47 156 17 13	S 26N 37W31 S 25N 38W10
334-30-11000-2701-3299 Otter Creek	UNALAKLEET A-4 UNALAKLEET A-5	63 14 40 63 10 9	160 41 36 161 10 27	K 26S 11W12 K 27S 13W 8
334-40-11000-2490-3140-4115-5035 Otter Creek	MT MC KINLEY D-2	63 55 34 63 53 5	150 49 58 150 47 53	F 11S 17W26 F 12S 17W12
334-30-11000-2532-3500-4209 Otter Creek	IDITAROD B-5 IDITAROD C-4	62 27 56 62 31 3	158 13 37 157 42 48	S 27N 48W 5 S 28N 46W13
334-40-11000-2490-3151-4020-5170 PILOT CREEK	LIVENGOOD A-1	65 8 42 65 8 19	147 25 20 147 24 21	F 4N 2E30 F 4N 2E30
334-30-11000-2422 Paimiut Slough	RUSSIAN MISSION D-4 HOLY CROSS A-2	61 56 24 62 13 4	160 8 41 159 33 15	S 21N 59W 5 S 25N 55W31
334-40-11000-2490-3329-4330 Paldo Creek	BIG DELTA D-2	64 48 46 64 48 40	144 32 56 144 32 9	F 1S 16E21 F 1S 16E21

Stream/lake	Map Sheet	Lat.	Long.	Legal
334-40-11000-2490-3200-4075 Panguingue Creek	HEALY D-5	63 56 29 63 54 49	149 3 25 149 4 58	F 11S 8W23 F 11S 8W34
334-40-11000-2490-3315 Piledriver Slough	FAIRBANKS C-1	64 43 18 64 34 15	147 19 21 147 4 22	F 2S 2E22 F 4S 3E14
335-30-16600-2300-3055 Pitka Fork (Middle Fork Kuskokwim River)	MC GRATH D-4 MC GRATH C-3	62 56 15 62 31 41	154 44 42 154 16 32	S 33N 29W22 S 28N 27W 9
334-35-11000-2025-3010 Poison Creek	OPHIR D-6 NULATO A-6	63 59 23 64 0 35	158 57 11 158 54 38	K 17S 1W30 K 17S 1W17
334-40-11000-2490-3151-4020-5165 Poker Creek	LIVENGOOD A-1	65 8 13 65 9 1	147 28 52 147 28 49	F 4N 1E35 F 4N 1E26
334-40-11000-2490-3329-4240 Porcupine Creek	BIG DELTA C-2	64 42 11 64 40 57	144 51 26 144 50 23	F 2S 14E36 F 3S 14E 1
334-45-11000-2001 Porcupine River	FORT YUKON C-3 COLEEN B-1	66 34 36 67 24 39	145 18 50 141 0 C	F 20N 11E12 F 30N 30E22
334-40-11000-2125-3740-4080-5030 Prospect Creek	BETTLES D-2	66 47 27 66 46 59	150 44 31 150 32 35	F 23N 15W26 F 23N 14W35
334-40-11000-2125-3575 Red Mountain Creek	HUGHES	66 17 29 66 19 53	153 52 30 153 54 17	K 10N 23E 1 K 11N 23E26
335-30-16600-2351-3076-4081 Red Slough	MEDFRA B-1 MEDFRA C-1	63 23 36 63 33 38	153 15 31 153 21 53	K 24S 29E22 K 22S 28E25
334-30-11000-2522 Red Wing Slough	HOLY CROSS A-2	62 8 11 62 10 58	159 44 24 159 40 10	S 24N 57W28 S 24N 57W11
334-40-11000-2490-3329-4050 Redmond Creek	BIG DELTA B-6	64 29 21 64 27 32	146 33 33 146 31 28	F 5S 6E 9 F 5S 6E27
334-30-11000-2422-3180-0010 Reindeer Lake	HOLY CROSS A-1	62 8 21	159 22 42	S 24N 55W28
334-30-11000-2422-3180 Reindeer River	HOLY CROSS A-1	62 7 58 62 9 54	159 27 21 159 10 39	S 24N 56W36 S 24N 54W16
334-30-11000-2651-3301 Roberts Creek	HOLY CROSS C-4	62 37 49 62 37 49	160 52 52 160 57 58	S 29N 62W 3 S 29N 62W 6
334-40-11000-2490-3301-4124 Rock Creek	BIG DELTA D-5	64 54 18 64 53 58	146 20 38 146 19 41	F 1N 7E21 F 1N 7E21
334-40-11000-2490-3140-4115-5084 Rock Creek	MT MC KIMLEY C-2	63 42 47 63 41 42	150 55 16 150 53 30	F 14S 17W 7 F 14S 17W17
335-30-16600-2040-3165 Rock Creek	LIME HILLS A-5	61 12 7 61 13 19	154 40 55 154 30 48	S 13N 30W20 S 13N 29W17
334-35-11000-2055 Rodo River	NULATO B-6 NULATO A-6	64 16 44 64 10 48	158 42 33 158 55 53	K 14S 1E17 K 15S 1W19
334-40-11000-2125-3912-4084 Rosie Creek	WISEMAN A-1	67 11 53 67 11 44	150 17 35 150 17 10	F 27N 13W 1 F 27N 12W 6
335-30-16600-2255-3035-4220 Ruby Creek	MEDFRA B-4	63 16 22 63 15 10	154 54 12 154 49 53	K 25S 21E32 K 26S 21E10
334-40-11000-2490-3151-4020-5293-6012 Ruby Creek	CIRCLE B-5	65 18 4 65 18 8	146 28 34 146 28 27	F 6N 6E34 F 6N 6E34
334-40-11000-2230-3009 Ruby Slough	NULATO C-1 RUBY C-6	64 42 3 64 43 59	156 5 25 155 34 35	K 9S 14E21 K 9S 16E 1
334-30-11000-2701-3171 Runkels Creek	UNALAKLEET A-4	63 0 19 63 2 1	160 43 27 160 48 34	K 29S 11W 2 K 28S 11W29
334-40-11000-2490-3329 Salcha River	BIG DELTA B-6 BIG DELTA D-2	64 28 1 64 48 48	146 58 40 144 32 55	F 5S 4E21 F 1S 16E21
334-40-11000-2490-3290 Salchaket Slough	FAIRBANKS C-3 FAIRBANKS C-1	64 45 0 64 38 27	148 0 29 147 15 6	F 2S 2W 8 F 3S 2E24
334-45-11000-2001-3050-4040-5301 Salmon Fork Black River	BLACK RIVER C-4 BLACK RIVER C-1	66 32 44 66 32 41	142 35 31 141 0 0	F 20N 24E22 F 20N 31E24
335-30-16600-2300-3055-4055 Salmon River	MC GRATH D-4 MC GRATH D-3	62 53 32 62 48 48	154 34 28 154 3 38	S 32N 28W 5 S 32N 26W36
334-45-11000-2001-3300 Salmon Trout River	COLEEN A-2 BLACK RIVER D-1	67 9 35 66 55 48	141 40 6 141 14 1	F 27N 20E18 F 24N 30E 4
334-40-11000-2490-3151-4020-5140 Sargent Creek	LIVENGOOD A-2	65 3 13 65 2 58	147 50 12 147 50 52	F 3N 1W30 F 3N 2W36
334-40-11000-2490-3415-4020 Sawmill Creek	BIG DELTA A-3 MT HAYES D-3	64 2 52 63 59 13	145 20 22 145 14 57	F 10S 12E14 F 11S 13E 5
335-30-16600-2170 Selatna River	MC GRATH C-6 MC GRATH B-6	62 31 6 62 24 39	155 48 2 155 30 24	S 28N 35W17 S 27N 34W24
334-45-11000-2325-3021 Severmile Creek	CHARLEY RIVER B-3	65 24 47 65 25 39	142 22 38 142 24 5	F 7N 26E22 F 7N 26E16
334-40-11000-2490-3407-4121 Severmile Creek	BIG DELTA B-3	64 19 39 64 20 23	145 5 51 145 6 42	F 7S 13E11 F 7S 13E 2
334-40-11000-2490-3200-4011 Seventeenmile Slough	FAIRBANKS C-5 FAIRBANKS B-5	64 31 49 64 24 6	149 7 59 149 13 50	F 4S 8W34 F 6S 9W13

Stream/Lake	Map Sheet	Lat.	Long.	Legal
334-45-11000-2520 Seventymile River	EAGLE D-1	64 55 49 64 53 23	141 18 13 141 16 41	F 1N 32E 7 F 1W 32E29
334-30-11000-2532-3361 Shageluk Slough	HOLY CROSS D-2 UNALAKLEET A-2	62 48 10 63 3 37	159 34 17 159 44 57	S 31N 55W 3 K 28S 6W14
334-40-11000-2490-3375 Shaw Creek	BIG DELTA B-5 BIG DELTA B-4	64 15 20 64 17 27	146 8 54 145 41 23	F 8S 8E 3 F 7S 10E23
334-45-11000-2001-3075 Sheenjek River	FORT YUKON C-2 COLEEN	66 44 22 67 44 5	144 33 52 143 43 51	F 22N 15E18 F 34N 18E32
335-30-16600-2300-3055-4135 Sheep Creek	MC GRATH D-3	62 46 32 62 45 42	154 28 32 154 23 7	S 31N 28W14 S 31N 27W20
334-40-11000-2860-3030-4080-5311 Sheep Creek	CIRCLE B-2	65 19 30 65 19 27	144 31 36 144 31 52	F 6N 16E30 F 6N 16E30
335-30-16600-2070-3029-4110 Shoelather Creek	LIME HILLS D-7	61 57 14 61 56 17	155 18 34 155 16 34	S 22N 33W34 S 21N 33W 2
334-30-11000-2701-3095-4051 Short Creek	HOLY CROSS D-4 HOLY CROSS D-5	62 52 59 62 54 38	160 58 9 161 1 12	S 32N 62W 7 S 33N 62W34
334-40-11000-2490-3151-4020-5070 Shovel Creek	LIVENGOOD A-3	65 1 40 65 1 25	148 24 18 148 25 33	F 2N 4W 5 F 2N 4W 6
334-30-11000-2891 Simon Creek	UNALAKLEET A-2 UNALAKLEET B-2	63 11 19 63 16 20	159 43 58 159 50 22	K 26S 6W36 K 26S 6W 4
334-40-11000-2125-3661-4030 Sinyalak Creek	HUGHES	66 42 49 66 44 49	153 2 54 153 5 44	K 15N 27E 9 K 16N 27E31
334-40-11000-2125-3912-4100 Slate Creek	WISEMAN B-1 WISEMAN A-1	67 15 37 67 14 31	150 11 51 150 8 7	F 28N 12W 9 F 28N 12W23
335-30-16600-2351-3012-4113 Slow Fork Kuskokwim River	MEDFRA A-2 MT MC KINLEY B-6	63 1 28 63 15 20	153 45 29 152 56 48	K 26S 27E32 F 19S 28W20
335-30-16600-2351-3055 Soda Creek	MEDFRA B-3	63 15 29 63 19 19	154 1 23 154 12 43	K 26S 25E12 K 25S 24E13
334-40-11000-2490-3151-4020-5293 Sourdough Creek	CIRCLE B-5	65 17 9 65 20 18	146 28 55 146 28 16	F 5N 6E 3 F 6N 6E23
334-40-11000-2490-3329-4138 South Fork Camp Creek	BIG DELTA C-3	64 39 5 64 38 12	145 25 36 145 25 33	F 3S 12E18 F 3S 12E19
334-40-11000-2490-3301-4078 South Fork Chena River	BIG DELTA D-6	64 53 5 64 50 5	146 40 18 146 30 43	F 1N 5E26 F 1S 6E15
334-40-11000-2490-3407-4076 South Fork Goodpaster River	BIG DELTA A-3	64 12 20 64 11 52	145 10 14 145 3 56	F 8S 13E21 F 8S 13E25
334-40-11000-2125-3740 South Fork Koyukuk River	BETTLES C-4 CHANDALAR A-6	66 34 57 67 3 7	151 56 12 149 58 44	F 20N 21W 1 F 26N 11W28
335-30-16600-2350 South Fork Kuskokwim River	MEDFRA A-4 MC GRATH D-3	63 5 15 62 57 56	154 38 19 154 10 15	K 28S 22E 3 S 33N 26W10
334-35-11000-2091 South Fork Nulato River	NULATO C-5 NORTON BAY C-1	64 42 28 64 32 26	158 8 13 159 27 5	K 9S 4E18 K 11S 4W15
334-40-11000-2599 Squaw Creek	TANANA C-1	65 31 5 65 32 44	150 9 30 150 20 39	F 8N 13W14 F 8N 14W 1
334-35-11000-2025 Stink Creek	OPHIR D-6 UNALAKLEET D-1	63 59 2 63 58 49	158 56 18 159 7 3	K 17S 1W30 K 17S 1W29
335-30-16600-2040-3080 Stink River	SLEETMUTE C-1 LIME HILLS A-8	61 30 14 61 14 4	156 7 51 155 47 45	S 16N 38W 5 S 13N 36W 7
334-40-11000-2490-3329-4310 Stone Boy Creek	BIG DELTA D-2	64 46 41 64 46 37	144 36 45 144 35 2	F 1S 16E31 F 2S 16E 5
334-40-11000-2490-3329-4191 Stone Boys Tent Creek	BIG DELTA C-3	64 38 31 64 38 46	145 4 41 145 4 41	F 3S 13E23 F 3S 13E23
335-30-16600-2040 Stony River	SLEETMUTE D-2 LIME HILLS B-2	61 46 12 61 19 31	156 35 28 153 43 32	S 19N 40W 6 S 14N 25W10
334-30-11000-2651-3251 Stuyahok River	HOLY CROSS B-4 HOLY CROSS A-4	62 28 16 62 5 1	160 49 24 160 51 15	S 28N 62W32 S 23N 63W17
335-30-16600-2255-3035-4230-5015 Submarine Creek	MEDFRA B-4	63 17 17 63 17 16	154 49 14 154 48 30	K 25S 21E27 K 25S 21E26
334-30-11000-2532-3471-4030 Sucker Creek	HOLY CROSS D-2 UNALAKLEET A-1	62 57 38 63 6 41	159 32 7 159 18 38	S 33N 54W 9 K 27S 3W31
334-40-11000-2300-3080 Sulatna River	RUBY C-3 RUBY C-4	64 35 50 64 31 16	154 27 29 154 36 17	K 10S 22E28 K 11S 21E23
335-30-16600-2300-3055-4115 Sullivan Creek	MC GRATH D-3	62 48 2 62 45 24	154 29 32 154 10 22	S 31N 28W 3 S 31N 26W21
334-40-11000-2300-3277 Sulukna River	RUBY A-3	64 7 32 64 6 20	154 2 42 154 1 1	K 16S 24E 1 K 16S 24E13
334-40-11000-2490-3140-4065-5079 Sushana River	FAIRBANKS A-6	64 9 28 64 0 32	149 59 17 149 53 16	F 9S 12W 6 F 10S 12W34
335-30-16600-2351-3076 Swift Fork Kuskokwim River	MEDFRA C-1 MEDFRA B-1	63 34 34 63 21 31	153 29 48 153 3 9	K 22S 28E17 K 25S 30E 1

Stream/Lake	Map Sheet	Lat.	Long.	Legal
334-30-11000-2701-3211 Swift River	UNALAKLEET A-4 UNALAKLEET A-5	63 4 20 63 4 19	160 42 54 161 5 42	K 28S 11W11 K 28S 13W11
335-30-16600-2070 Swift River	SLEETMUTE D-1 LIME HILLS C-5	61 53 22 61 31 22	156 18 28 154 47 3	S 21N 38W19 S 17N 30W31
335-30-16600-2255 Takotna River	MC GRATH D-6 IDITAROD D-1	62 57 51 62 48 42	155 36 4 156 21 26	S 33N 33W 7 S 31N 38W 2
334-40-11000-2490 Tanana River	TANANA A-4 TANACROSS A-2	65 9 33 63 3 9	151 57 34 141 52 7	F 4N 22W23 C 15N 19E30
335-30-16600-2080 Tatlawiksuk River	SLEETMUTE D-1 MC GRATH A-5	61 55 9 62 14 8	156 14 35 155 17 24	S 21N 38W 9 S 25N 32W30
334-45-11000-2501 Tatonduk River	EAGLE D-1	64 59 45 64 59 44	141 20 34 141 0 0	F 2N 31E13 F 2N 33E15
334-40-11000-2490-3200-4028 Teklanika River	FAIRBANKS B-5	64 28 17	149 19 5	F 5S 9W22
335-30-16600-2040-3190-0010 Telaquana Lake	LAKE CLARK D-2	60 57 12	153 44 59	S 10N 25W17
335-30-16600-2040-3190 Telaquana River	LIME HILLS A-4 LAKE CLARK D-2	61 4 3 60 57 22	154 24 31 153 43 10	S 11N 29W 3 S 10N 25W16
335-30-16600-2351-3012-4113-5063 Telidasie Creek	MEDFRA B-1	63 16 39 63 18 19	153 25 6 153 21 49	K 25S 29E31 K 25S 29E20
334-40-11000-2490-3373 Tenderfoot Creek	BIG DELTA B-5	64 15 4 64 16 3	146 11 40 146 12 8	F 8S 8E 5 F 7S 8E32
334-40-11000-2490-3407-4115 Termile Creek	BIG DELTA B-3	64 17 10 64 18 6	145 9 22 145 10 7	F 7S 13E27 F 7S 13E16
334-30-11000-2701-3081 Theodore Creek	HOLY CROSS C-4 HOLY CROSS D-4	62 44 54 62 47 1	160 43 3 160 52 10	S 31N 61W28 S 31N 62W15
334-30-11000-2851 Thompson Creek	UNALAKLEET A-2 UNALAKLEET B-3	63 6 5 63 17 54	159 47 34 160 3 6	K 27S 6W34 K 25S 7W29
334-45-11000-2325-3013 Threemile Creek	CHARLEY RIVER B-3	65 23 31 65 24 2	142 26 51 142 27 53	F 7N 26E32 F 7N 26E30
334-40-11000-2300-3205 Titna River	RUBY B-2	64 22 30 64 21 35	153 37 31 153 33 46	K 13S 26E12 K 13S 27E17
335-30-16600-2040-3220-4026 Tlikakila River	LIME HILLS A-2	61 8 28 61 9 2	153 44 52 153 42 44	S 12N 25W 8 S 12N 25W 9
334-40-11000-2490-3140-4065 Toklat River	KANTISHNA RIVER B-1 MT MC KINLEY D-1	64 27 16 63 48 47	150 18 41 150 17 2	F 5S 14W27 F 13S 14W 4
334-40-11000-2490-3151 Tolovana River	FAIRBANKS D-6 LIVENGOOD A-5	64 51 3 65 8 33	149 49 50 149 2 20	F 1S 11W 6 F 4N 7W30
334-30-11000-2532-3600-4021 Tolstoi Creek	OPHIR B-3 OPHIR A-3	63 27 6 63 4 6	157 15 39 157 4 41	K 23S 8E35 K 28S 9E14
335-30-16600-2351-3012-4113-5045 Tonclanukna Creek	MEDFRA B-2 MEDFRA B-1	63 17 48 63 19 12	153 34 53 153 26 38	K 25S 28E29 K 25S 28E13
335-30-16600-2300-3055-4020 Tonlhona Creek	MC GRATH D-4	62 57 1 62 53 30	154 40 5 154 37 48	S 32N 28W18 S 33N 29W 1
335-30-16600-2351-3012-4112 Tonzona River	MEDFRA A-2	63 11 27 63 7 9	153 45 26 153 31 21	K 26S 27E32 K 27S 28E28
334-40-11000-2490-3151-4020-5305 Tough Luck Creek	CIRCLE B-5	65 17 50 65 17 54	146 25 27 146 25 29	F 6N 6E36 F 6N 6E36
334-40-11000-2445 Tozitna River	TANANA A-5 TANANA C-3	65 8 13 65 33 16	152 24 43 151 22 40	F 4N 24W34 F 8N 19W 1
335-30-16600-2040-3080-0050 Tundra Lake	LIME HILLS A-8	61 13 32	155 43 32	S 13N 36W10
335-30-16600-2040-3181 Tunkaleshna Creek	LIME HILLS A-4	61 6 29 61 8 16	154 26 26 154 22 48	S 12N 29W28 S 12N 29W11
334-40-11000-2255-3142 Turnaround Creek	MELOZITNA A-5 RUBY D-4	65 4 50 64 59 46	155 10 51 154 56 51	K 5S 18E 3 K 6S 19E 2
334-30-11000-2366 Twelvemile Slough	RUSSIAN MISSION D-5 RUSSIAN MISSION D-3	61 56 23 61 55 11	160 30 28 160 7 6	S 21N 61W 5 S 21N 59W 9
334-40-11000-2490-3329-4070-5020-6004 Twentyfive Mile Creek	BIG DELTA C-5	64 31 46 64 31 20	146 16 40 146 15 7	F 4S 7E35 F 4S 7E36
334-40-11000-2490-3315-4010 Twentythree Mile Slough	FAIRBANKS C-1	64 40 17 64 36 50	147 8 57 147 8 44	F 3S 3E 9 F 3S 3E33
335-30-16600-2040-3220-0010 Two Lakes	LIME HILLS A-2	61 8 0	153 44 51	S 12N 25W17
334-40-11000-2490-3151-4020-5235 U.S. Creek	CIRCLE B-6	65 15 48 65 16 13	146 43 32 146 43 31	F 5N 5E16 F 5N 5E 9
335-30-16600-2040-3159 Underhill Creek	LIME HILLS A-5	61 14 6 61 14 44	154 43 42 154 38 27	S 13N 30W 7 S 13N 30W 3
334-40-11000-2490-3329-4220 Upper Boulder Creek	BIG DELTA C-2	64 39 36 64 39 18	144 56 20 144 56 27	F 3S 14E16 F 3S 14E16

Stream/lake	Map Sheet	Lat.	Long.	Legal
334-40-11000-2900 Upper Mouth Birch Creek	FORT YUKON C-5 FORT YUKON B-4	66 31 37 66 16 15	146 12 1 145 30 12	F 20N 7E26 F 17N 10E25
335-30-16600-2351-3076-4091-0020 Upper Telida Lake	MEDFRA B-1	63 26 30	153 9 43	K 24S 30E 6
334-40-11000-2810-3100-4200 Victoria Creek	CIRCLE D-6	65 48 22 65 49 9	146 38 46 146 40 37	F 11N 5E 2 F 12N 5E34
335-30-16600-2255-3035-4130 Wabash Creek	MEDFKA A-5	63 14 32 63 12 25	155 17 59 155 14 30	K 26S 19E18 K 26S 19E28
334-40-11000-2125-3355-4035-5007 Wallick Creek	HUGHES	66 9 55 66 11 18	155 31 17 155 33 59	K 9N 16E19 K 9N 15E13
334-40-11000-2925-3391 West Fork Chandalar River	CHANDALAR A-4	67 11 22 67 12 14	148 30 50 148 38 20	F 27N 4W 6 F 28N 5W33
334-40-11000-2125-3225-4025 Wheeler Creek	SHUNGNAK	66 9 54 66 16 57	156 18 42 156 32 9	K 9N 12E21 K 10N 11E 9
334-40-11000-2805 Whirlpool Slough	BEAVER B-2	66 16 57 66 17 8	147 40 6 147 38 34	F 17N 1W24 F 17N 1W24
334-40-11000-2490-3140-4146-5010-6045-7810 White Creek	MT MC KINLEY B-4	63 27 14 63 24 34	151 52 26 151 55 31	F 17S 23W12 F 17S 23W27
334-40-11000-2125-3871-0010 Wila Lake	WISEMAN B-4	67 28 59	151 35 13	F 31N 18W28
334-40-11000-2125-3871 Wild River	BETTLES D-3 WISEMAN B-4	66 57 7 67 27 58	151 28 18 151 35 36	F 25N 18W34 F 31N 18W33
334-30-11000-2701-3095-4041 Willow Creek	HOLY CROSS D-4 HOLY CROSS D-5	62 52 30 62 52 41	160 58 32 161 2 7	S 32N 62W 7 S 32N 63W11
334-40-11000-2405-3019 Wilson Creek	MELOZITNA B-1	65 17 13 65 17 50	153 6 55 153 7 42	K 2S 28E28 K 2S 28E21
334-30-11000-2532-3600-4051 Windy Creek	IDITAROD D-4 IDITAROD D-3	62 54 21 62 53 4	157 30 59 157 13 3	S 33N 43W31 S 32N 42W 7
335-30-16600-2300-3095 Windy Fork Middle Fork Kuskokwim River	MC GRATH D-4 MC GRATH C-4	62 45 35 62 39 29	154 37 52 154 32 53	S 31N 29W24 S 30N 28W28
334-40-11000-2125-3912-4123 Wiseman Creek	WISEMAN B-1	67 24 32 67 24 50	150 6 7 150 7 46	F 30N 11W19 F 30N 12W24
334-40-11000-2255-3300 Wolf Creek	MELOZITKA B-3	65 29 38 65 27 16	154 9 44 154 5 24	K 1N 23E18 K 1N 23E28
334-30-11000-2701-3120 Yellow River	HOLY CROSS D-4 UNALAKLEET B-3	62 55 21 63 18 13	160 40 53 160 9 22	S 33N 60W28 K 25S 8W23
334-30-11000-2532-3500-4050 Yetna River	OPHIR A-5	63 10 41 63 7 30	158 15 58 158 15 30	K 27S 3E 3 K 27S 3E27
334-40-11000-2230 Yuki River	NULATO C-1 NULATO A-3	64 42 57 64 14 6	156 7 10 157 5 30	K 9S 14E17 K 14S 9E33
334-45-11000 Yukon River	FORT YUKON C-3 EAGLE C-1	66 34 12 64 41 2	145 18 42 141 0 0	F 20N 11E12 F 3S 33E 1
334-40-11000 Yukon River	NULATO D-4 FORT YUKON C-3	64 52 6 66 34 13	157 41 44 145 18 38	K 7S 6E20 F 20N 11E12
334-35-11000 Yukon River	UNALAKLEET C-1 NULATO D-4	63 38 22 64 52 7	159 22 36 157 41 43	K 21S 4W26 K 7S 6E20
334-30-11000 Yukon River	RUSSIAN MISSION C-8 UNALAKLEET C-1	61 36 57 63 38 21	161 42 1 159 22 38	S 18N 69W25 K 21S 4W26



ADF&G ANALYSIS OF HB 286

The Department of Fish and Game issues permits to cross anadromous waterbodies in one of two ways. The first is by individual permit application that allows a person to cross the waterbody. In 1993, ADF&G issued 1198 Title 16 permits in an average of 18 days. Three permits were denied. The second is by general permit that authorizes crossing of anadromous waterbodies without application to the department. There are over 100 of these general permits in effect. They are conditioned as necessary to maintain anadromous fish habitat. For example, some general permits are for vehicles of less than 10,000 pounds.

ADF&G maintains an anadromous waters catalog as required by AS 16.05.870. Citizens can petition the commissioner to remove a waterbody from, or add a waterbody to the anadromous waters catalog. The Department advertises the nomination process in a number of papers each year. Nominations to delete waterbodies are received from the public, and if the waterbody, or portion thereof, is determined not to be important for anadromous fish, then it is removed from the catalog of specified waterbodies. The department usually removes a number of waterbodies, or portions thereof, annually.

HB 286 does two things: First, it apparently ends the department's practice of issuing general permits for crossings or fords. Under proposed subsection (e) a ford will have to be established by regulation exempting it from AS 16.05.870 et seq. Once exempted from coverage under the statute, there is no way for the department to apply conditions to the ford, such as weight restrictions, that protect anadromous fish habitat. Second, HB 286 establishes culpable mental states that must be proved for AS 16.05.870-.895 violations, dividing violations into Class A and Class B misdemeanors.

HB 286 will make it more difficult for the department to work with various industries and individuals to establish fords because, by exempting them from ADF&G regulation, fords are more likely to cause damage to anadromous fish habitat. The department will be less likely to establish a ford by exempting it from regulation, as required by HB 286, than it is to establish a ford under the current process of general permits which allow the department to condition the activity to fit the situation. Further, the department's costs of doing permitting will go up because all fords will have to be established by formal regulation and all appeals of petitions will be heard under the Administrative Procedures Act by a hearing officer. Also, by requiring the department to establish fords by regulation there will be greater opportunity for litigation by either a petitioner displeased with the department's rejection of their petition or by a member of the public displeased with the department's exemption of a portion of an anadromous stream from protection.

The department has no objection to the apparent intent of the legislation which is to allow the establishment of fords where it can be done and still maintain anadromous fish habitat. The department is currently working to expand its general permit coverage of fords and believes that the current process of general permitting and anadromous catalog review is preferable to the petition and exemption procedure created by HB 286.

TITLE 16 PERMITTING

Almost everyone we talked to expressed satisfaction with the department's handling of our Title 16 permitting authorities. A number of industry representatives said that, while they occasionally argue with some requirements of our permits, they felt we were the most professional, timely, and responsive of any of the regulatory agencies.

By observing the following three principles most of the time, the staff has achieved a generally high level of success and acceptance in our Title 16 permitting program,

1. Have clear, reasonable objectives for fish and wildlife and communicate those objectives to permit applicants so they understand and accept what we are trying to achieve. For example, explain why we want to maintain a spawning bed or maintain a specific fish passage. The permittee should understand that we do not have some hidden agenda.
2. Respect the applicants' rights to achieve their valid objectives and communicate that to the applicant. For example, recognize a person's need to cross a stream to mine a valid claim.
3. Be solution oriented. Meaning, be knowledgeable about both fish and wildlife resources and the industry/activity we are permitting. If possible, be innovative, pragmatic and flexible in how we achieve our objective. We should not ask people to do the impossible or the unreasonable, given the benefits of the project and the fish and wildlife values at risk. In an example given by one industry representative, the applicant had a cheaper way to get water out of a stream (their objective) and they avoided killing fish (our objective). We accepted their idea.

Where there were problems raised with our Title 16 permitting, that could be fairly attributed to ADF&G, it was because we did not follow or were perceived not to have followed one or more of these three principles.

We can only control our behavior and not the behavior of permit applicants, so even if we are perfect there will be complaints about how we permit activities under Title 16. One industry representative felt many of the problems being attributed to ADF&G were caused by a resistance by some people to understand and work with the permitting system. While we cannot control this problem, we can work on it. We can also work on people's perceptions to make sure they are accurate.

OTHER AGENCY DECISION MAKING PROCESSES

Participation in DNR, Corps of Engineers and other agency permit, lease, or sale decisions is an important function in the department.

Unlike our very focused Title 16 permitting responsibility, this is the most open-ended application of our broadest responsibilities. We review approximately 1200 permits, leases or other authorizations of other agencies every year either directly or through the ACMP process.

ALASKA DEPARTMENT OF FISH AND GAME / HABITAT DIVISION
 FY93 ANNUAL PERMIT REVIEW SUMMARY
 Generated 09/10/93

TABLE 1. GENERAL SUMMARY OF ADF&G TITLE 16 AND OTHER AGENCY REVIEWS STATEWIDE								
TYPE OF REVIEW	# OF REVIEWS COMPLETED	# ISSUED/ APPROVED	# DIS- APPROVED /DENIED	# NOT REQUIRED /OTHER	AVERAGE# REVIEW DAYS	PERCENT WITHIN DEADLINE	# PRE-ISS. FIELD REVIEWS	# POST-ISS. FIELD REVIEWS
Fish Habitat: Non-Placer	803	716	2	85	21	86	919	989
Fish Habitat: Placer	714	382	0	332	13	92	30	126
SUBTOTAL	1517	1098	2	417	17	89	949	1115
Special Area	103	100	1	2	38	66	69	141
TOTAL AS16	1620	1198	3	419	18	87	1018	1256
Other Agency	1437	1330	25	82	14	86	266	133
GRAND TOTAL	3057	2528	28	501	16	87	1454	1472

NOTE: OMB-coordinated reviews with associated AS16 reviews are counted in this table as AS16 reviews; other OMB-coordinated reviews are counted as 'other agency' reviews.

HB 286
Activities in Anadromous Fish Streams
Region III Examples

General Permits - Vehicle Stream Crossings: A general permit (FG93-III-GP-001) has been in place since 1986 for twenty-one (21) anadromous fish stream vehicle fords at traditional ford locations within the Seward Peninsula (Attachment #1). Crossings are authorized without prior notification to the ADF&G for all wheeled vehicles weighing less than 10,000 pounds GVW subject to three generic conditions. A letter of accommendation for issuance of these general permits was sent by Steven Borell, Alaska Miners Association, to Deputy Commissioner McKie Campbell on December 20, 1993 (Attachment #2).

Most additional crossings by vehicles weighing more than 10,000 pounds GVW are conducted in conjunction with approved mining operations. Equipment fords for these operators are reviewed in conjunction with the annual APMA - each applicant receives his/her AS 16 authorizations for the year at the specified crossings prior to the mining season.

Currently, ADF&G and ADOT&PF staff in Nome are evaluating whether vehicle stream crossing general permits need to be issued for additional waterbodies. It is anticipated that final review and field verification of each nominated site will be completed this summer.

General Permits - Boat Launch Facilities: Forty (40) general permits will soon be issued to the general public for normal use of public boat ramps and launch areas in Interior Alaska (Attachment #3). Activities covered under the general permits include the launching and landing of boats using vehicles with GVW up to 10,000 pounds. Permitted activities exclude gravel removal, streambank alteration, water use, or operation of heavy equipment.

An identification of public boat launch facilities in Western Alaska is currently underway. Upon completion, similar general permits for boat launch facilities in this area will be issued.

Long-term Permits Issued for Specific Activities: In addition to issuing general permits, Region III - Habitat and Restoration Division has issued a seven (7) multi-year generic permits to specific companies for routine activities in anadromous waterbodies. The primary purpose is to streamline both ADF&G and industry's administrative burden, increase industry's flexibility to respond to maintenance needs in a timely fashion, and eliminate redundant permit application requirements (see Table 1 for complete listing).

Table 1. Multiple-year AS 16.05.870 authorizations issued to reduce administrative redundancy.

Permit No. (Expiration Date)	Description of Activity
FG94-III-0017 (5/30/99)	BPX winter maintenance of the oil pipeline crossing of the Kuparuk River, includes the construction, maintenance, and use of an ice road
FG94-III-0270 (12/31/99)	ARCO winter and summer maintenance activities in the floodplain of the Sagavanirktok River for oil pipelines
FG93-III-0267 (5/15/99)	North Slope Borough winter access to Nuiqsut Oliktok Point
FG93-III-0252 (5/1/99)	BPX winter ice road construction across the Sagavanirktok River for movement of heavy equipment (drill rigs)
FG93-III-0001 (5/30/98)	ARCO winter maintenance of the oil pipeline crossing of the Kuparuk River, includes the construction, maintenance, and use of an ice road
FG92-III-0239 (4/15/97)	City of Bettles construction, maintenance, and use of an ice road crossing of the Jim River and the South Fork of the Koyukuk River
FG90-III-0098 (5/20/99)	Cominco Alaska, Inc. instream work in 14 anadromous fish streams, covers instream work in the spring prior to breakup to remove accumulated snow and ice prior to breakup
FG92-III-0218 (12/31/98)	Alaska Clean Seas - pre-approval issued for 126 waterbodies for emergency oil spill response within the North Slope oilfields and along the Trans-Alaska Pipeline south to Atigun Pass.
FG92-III-0212 (6/1/97)	Alaska Clean Seas - pre-approval issued for 115 waterbodies for summer oil spill containment and recovery training activities within the North Slope oilfields and along the Trans-Alaska Pipeline south to Atigun Pass.
FG92-III-0151 (6/1/97)	ARCO Alaska (Prudhoe/Lisburne) - pre-approval issued for 43 waterbodies for summer oil spill containment and recovery training activities within the North Slope oilfields between the East Channel

of the Sag River and the West Fork of Kalubik Creek.

FG92-III-0153 (6/1/97)

ARCO Alaska (Kuparuk) - pre-approval issued for 43 waterbodies for summer oil spill containment and recovery training activities within the North Slope oilfields between the East Channel of the Sag River and the West Fork of Kalubik Creek.

FG92-III-0208 (6/1/97)

BP Alaska - pre-approval issued for 46 waterbodies for summer oil spill containment and recovery training activities within the North Slope oilfields between the East Channel of the Sag River and the West Fork of Kalubik Creek.

FG92-III-0209 (6/1/97)

BP Alaska - pre-approval issued for 46 waterbodies for winter oil spill containment and recovery training activities within the North Slope oilfields between the East Channel of the Sag River and the West Fork of Kalubik Creek.

FG92-III-0213 (6/1/97)

Alaska Clean Seas - pre-approval issued for 115 waterbodies for winter oil spill containment and recovery training activities within the North Slope oilfields between the East Channel of the Sag River and the West Fork of Kalubik Creek and along the Trans-Alaska Pipeline south to Atigun Pass.

FG92-III-0152 (6/1/97)

ARCO Alaska (Prudhoe Bay/Lisburne) - pre-approval issued for 43 waterbodies for winter oil spill containment and recovery training activities within the North Slope oilfields between the East Channel of the Sag River and the West Fork of Kalubik Creek.

FG92-III-0154 (6/1/97)

ARCO Alaska (Kuparuk) - pre-approval issued for 43 waterbodies for winter oil spill containment and recovery training activities within the North Slope oilfields between the East Channel of the Sag River and the West Fork of Kalubik Creek.

STATE OF ALASKA

DEPARTMENT OF FISH AND GAME

HABITAT AND RESTORATION DIVISION

ATTACHMENT 1

WALTER J. HICKEL, GOVERNOR

1300 COLLEGE ROAD
FAIRBANKS, ALASKA 99701-1599
PHONE: (907) 451-6192
FAX: (907) 465-9091

GENERAL

FISH HABITAT PERMIT

FG93-III-GP-001

ISSUED: December 9, 1993
EXPIRES: December 31, 1995

December 9, 1993

General Public
Nome, Alaska 99762

RE: General Fish Habitat Permit; In-water Equipment/Vehicle Stream Crossings at Traditional Ford Locations

In response to local needs for light vehicular access across several anadromous fish streams designated pursuant to AS 16.05.870(a), the Alaska Department of Fish and Game (ADF&G), upon its own motion, has determined that both the public interest and the proper protection of fish and wildlife would be served by reissuing a general AS 16.05.870 permit for certain classes and types of vehicular crossings at specified locations within the designated waterbodies (Table 1).

In accordance with AS 16.05.870(d) (Anadromous Fish Act) and 6 AAC 50 authorization is hereby given for the general public to ford the following designated waterbodies (Table 1 and Enclosure 1 - Maps) at the identified traditional ford crossings with a wheeled vehicle weighing less than 10,000 pounds gross vehicle weight (GVW).

Table 1

<u>Stream Name</u>	<u>ADF&G Stream Number</u>
Cripple River at mouth	333-10-10900
Penny River at mouth	333-10-10950
Nome River at Buster Creek	333-10-11250
Nome River at Sampson Creek	333-10-11250
Nome River at Divide Creek	333-10-11250
Nome River at Dorothy Creek	333-10-11250
Nome River at Clara Creek	333-10-11250
Snake River at Bangor Creek	333-10-11200
Pilgrim River near Iron Creek	332-00-10250-2110
Solomon River at Lees Camp	333-10-11700
Big Hurrah Creek at mouth	333-10-11700-2082
Lower Glacier Creek access road	333-10-11200-2110

General Permit
FG93-III-GP-001

-2-

December 9, 1993

Upper Glacier Creek access road	333-10-11200-2110
Shovel Creek	333-10-11700-2061
Niukluk River at Council	333-20-10670-2281
Sweetcake Creek	333-20-10670-2281-3160-4011
Ophir Creek at mouth	333-20-10670-2281-3160
Ophir Creek near Snowball Creek	333-20-10670-2281-3160
Kougarok River near Windy Creek	332-00-10250-2285
Kougarok River near Ryan Gulch	332-00-10250-2285
Kougarok River near Homestake Ck.	332-00-10250-2285

This authorization is subject to the following stipulations which are required to ensure that this activity is consistent with the Standards of the Alaska Coastal Management Program (ACMP), specifically the General Concurrence GC-5 authorization.

1. Crossings shall be made from bank to bank in a direction substantially perpendicular to the direction of stream flow.
2. Crossings shall be made only at locations with gradually sloping banks. There shall be no crossings at locations with sheer or cut banks.
3. Banks shall not be altered or disturbed in any way to facilitate crossings. No alteration of the stream bank shall occur which creates conditions which have been documented to result in the loss of or to reduce the productivity of fish habitat. If stream banks are inadvertently disturbed, they shall be immediately stabilized to prevent erosion.

For any activity which significantly deviates from the conditional approval granted by this general permit, the responsible party shall notify the ADF&G and obtain written approval in the form of an individual AS 16.05.870 permit prior to commencement of the activity. Any action taken by the permittee which increases the overall scope of the project or which negates, alters or minimizes the intent or effectiveness of any stipulation contained in this permit will be considered a significant deviation from the approved plan. The final determination relative to the significance of any deviation and the need for a permit amendment is the responsibility of the ADF&G. Therefore, it is recommended that the ADF&G be consulted immediately when a deviation from the approved plan is being considered.

This letter constitutes a permit issued under the authority of AS 16.05.870. This permit must be retained on site during the permitted activity. Please be advised that this approval does not relieve you of the responsibility of securing other permits, state, federal or local.

Pursuant to 6 AAC 80.010(b), the conditions of this permit are consistent with the Standards of the Alaska Coastal Management Program and the Bering Straits CRSA Coastal District Program.

In addition to the penalties provided by law, this permit may be terminated or revoked for failure to comply with its provisions or failure to comply with applicable statutes and regulations. The department reserves the right to require mitigation measures to correct disruption to fish and game created by the project and which were a direct result of the failure to comply with this permit or any applicable law.

General Permit
FG93-III-GP-001

-3-

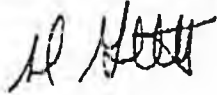
December 9, 1993

The recipient of this permit (the permittee) shall indemnify, save harmless, and defend the department, its agents and its employees from any and all claims, actions or liabilities for injuries or damages sustained by any person or property arising directly or indirectly from permitted activities or the permittee's performance under this permit. However, this provision has no effect if, and only if, the sole proximate cause of the injury is the department's negligence.

This permit decision may be appealed in accordance with the provisions of AS 44.62.330--44.62.630.

Sincerely,

McKie Campbell, Deputy Commissioner



BY: Alvin G. Ott, Regional Supervisor
Habitat and Restoration Division
Alaska Department of Fish and Game

cc: Rick Smith, ADNR, Fairbanks
Pete McGee, ADEC, Fairbanks
David McGillivray, USFWS, Fairbanks
Ron Morris, NMFS, Anchorage
Phil North, EPA, Anchorage
Don Kohler, ACOE, Anchorage
Judd Peterson, ADNR-DOM, Anchorage
Mike Tinker, ADOT&PF, Fairbanks
Joel Craft, ADOT&PF, Nome
Steve Borell, AMA, Anchorage
John Coady, ADF&G, Fairbanks
Bob Nelson, ADF&G, Nome
Fred Andersen, ADF&G, Fairbanks
Charlie Lean, ADF&G, Nome
Terry Haynes, ADF&G, Fairbanks
Donna Edmonds, AST-FWP, Nome
Chuck Degnan, BSCRSA, Unalakleet
City of Nome

AGO/BM

ATTACHMENT 2



ALASKA MINERS ASSOCIATION, INC.

501 W. Northern Lights Blvd., Suite 203, Anchorage, Alaska 99503 FAX: (907) 278-7997 Telephone (907) 276-3347

December 20, 1993

Mr. McKie Campbell
Deputy Commissioner
Department of Fish and Game
P.O. Box 25526
Juneau, AK 99802-5526

Dear McKie,

I just received a copy of the general fish habitat permit for the Nome area. Great! This is a very good idea that should save both the public and ADF&G a lot of time and aggravation. I have mailed copies of the GP to all 90+ AMA members in the Nome Branch and to others that I know to be working in the area.

If you have other areas where this could be done without adversely affecting the fisheries resources I would encourage that further GPs be developed.

Sincerely,

Steven C. Borell, P.E.
Executive Director

cc: Nome Branch Chairman
AMA Water Quality Committee

RECEIVED

JAN 21 1994

Alaska Dept. of Fish & Game
Habitat - Region III

DEC 20 1993
RECEIVED
HABITAT

To	HRD	INIT	DATE
<input checked="" type="checkbox"/>	Director	MB	1/21
<input checked="" type="checkbox"/>	Deputy Dir.	MB	
<input checked="" type="checkbox"/>	Chief of Res.	MB	
<input type="checkbox"/>	Admin. Off.		
<input type="checkbox"/>	Admin. Asst.		
<input type="checkbox"/>	Secretary		
<input type="checkbox"/>	Reg. Sup 1		
<input type="checkbox"/>	Reg. Sup 2		
<input type="checkbox"/>	Reg. Sup 3		
<input type="checkbox"/>	SPCO		
<input type="checkbox"/>	Proj. PM		
<input type="checkbox"/>	Res. PM		
<input type="checkbox"/>	HPWD		
File TIL 7.0			

- FILE COPY
- SGW _____
 - CRH _____
 - BEW _____
 - AGO MB
 - RAP _____
 - RTS _____
 - AHT _____
 - PKW _____
 - JFW _____

ATTACHMENT B

DRAFT

MEMORANDUM

State of Alaska

To: SEE DISTRIBUTION

Date: March 24, 1994

File No:

Telephone Number: 451-6192

From: Aivin G. Ott, Regional Supervisor
Habitat and Restoration Division
Department of Fish and Game

Subject: SEE BELOW

RE: Public Boat Ramp/Launches

The Alaska Department of Fish and Game (ADF&G) Habitat and Restoration Division has issued a number of Fish Habitat Permits to the general public to cover normal use of public boat ramps and launch areas. Activities covered under the general permits include the launching and landing of boats using vehicles with a gross vehicle weight up to 10,000 pounds. Permitting activities do not include gravel removal, streambank alteration, water use, and/or operation of heavy equipment. General permits have been issued for the following public boat launch areas:

Chatanika River

Whitefish Campground, Northwest Corner of Section 15, T3N, R1W, FM (FG93-III-0144)

Elliott Highway Bridge, Southwest Corner of Section 15, T3N, R1W, FM (FG93-III-0152)

Murphy Dome Road Extension, Southwest Corner of Section 19, T2N, R5W, FM (FG93-III-0153)

Steese Highway Milepost 39, Northwest Corner of Section 12, T4N, R2E, FM (FG93-III-0154)

Ptarmigan Creek, Northeast Corner of Section 25, T5N, R4E, FM (FG93-III-0155)

Chena River

South Bank off Davis Road, Sections 14/15 (North/South Section Line), T1S, R2W, FM (FG93-III-0156)

Pikes Landing, Section 13, T1S, R2W, FM (FG93-III-0157)

Public Boat Ramps/Launches

2

March 24, 1994

Chena River (Continued)

West Bank off Small Tracts Road, Sections 12/13 (East/West Section Line),
T1S, R2W, FM (FG94-III-0052)

Chena River Campground, Section 8, T1S, R1W, FM (FG93-III-0158)

Graehl Park, Section 11, T1S, R1W, FM (FG93-III-0159)

Trainer Road, Section 13, T1S, R1W, FM (FG93-III-0161)

Chena Hot Springs Road Milepost 27, Section 33, T1N, R5E, FM (FG93-III-
0162)

Chena Hot Springs Road Milepost 37.8, Section 19, T1N, R7E, FM (FG93-III-
0163)

Chisana River

Northway Road Bridge, Southwest Corner of Section 9, T14N, R19E, CRM
(FG93-III-0164)

Clearwater Lake

Triple H Road, Southwest Corner of Section 33, T9S, R11E, FM (FG93-III-
0165)

Delta Clearwater

Clearwater Campground, Northwest Corner of Section 17, T10S, R12E, FM
(FG93-III-0166)

Fortymile River

Fortymile River at Obrien Creek, Northwest Corner of Section 16, T7S,
R32E, FM (FG93-III-0167)

Middle Fork Koyukuk River

Near Marion Creek, Southwest Corner of Section 23, T29N, R12W, FM
(FG93-III-0168)

Near Intersection of Dalton Highway and Wiseman Road, Southeast Corner
of Section 7, T30N, R11W, FM (FG93-III-0169)

South Fork Koyukuk River

Near Dalton Highway, Southwest Corner of Section 6, T25N, R12W, FM
(FG93-III-0170)

Jim River

Near Prospect Creek Camp, Northwest Corner of Section 26, T23N, R15W,
FM (FG93-III-0171)

Public Boat Ramps/Launches

3

March 24, 1994

Moose Creek

Near Tanana River, Southeast Corner of Section 19, T2S, R3E, FM (FG93-III-0173)

Nenana River

Nenana (Western Terminus of 10th Street), Northwest Corner of Section 23, T4S, R8W, FM (FG93-III-0174)

Salcha River

Division of Parks Campground, Concrete Ramp, Northeast Corner of Section 22, T5S, R4E, FM (FG93-III-0175)

Shaw Creek

Near Shaw Creek Lodge, Southwest Corner of Section 35, T7S, R8E, FM (FG93-III-0176)

Tanana River

Manley Hot Springs Landing, Southeast Corner of Section 30, T2N, R15W, FM (FG93-III-0177)

Manley Hot Springs Slough, Southeast Corner of Section 17, T2N, R15W, FM (FG93-III-0178)

Chena Pump Road, Southeast Corner of Section 28, T1S, R2W, FM (FG93-III-0179)

George Lake Lodge, Northwest Corner of Section 29, T13S, R16E, FM (FG93-III-0180)

Big Delta, Northwest Corner of Section 8, T9S, R10E, FM (FG93-III-0181)

Tok Area, Northwest Corner of Section 25, T18N, R14E, FM (FG93-III-0184)

Tanacross, Southeast Corner of Section 32, T19N, R11E, CRM (FG93-III-0185)

Nenana, Southwest Corner of Section 13, T4S, R8W, FM (FG93-III-0186)

Bonanza Creek Experimental Forest, Northeast Corner of Section 2, T3S, R4W, FM (FG93-III-0187)

Yukon River

Galena, Sections 5 and 6, T9S, R10E, KRM (FG93-III-0188)

Circle, Section 31, T12N, R18E, FM (FG93-III-0189)

Eagle, Sections 31 and 33, T1S, R33E, FM (FG93-III-0190)

Public Boat Ramps/Launches

4

March 24, 1994

Yukon River Continued

Ft Yukon, Sections 12, 17, and 18, T20N, R12E, FM (FG93-III-0191)

Tanana, Sections 16, 17, and 18, T4N, R22W, FM (FG93-III-0192)

Dalton Highway, Section 7, T12N, R10W, FM (FG93-III-0193)

Copies of general permits for each crossing are available from the Habitat and Restoration Division in Fairbanks (451-6192). If other public use areas are known to exist, information on the location (e.g., area marked on a USGS topographic map with a brief description of the boat launch) of these public launch areas should be sent to the ADF&G, Habitat and Restoration Division in Fairbanks.

cc: Fred Andersen, ADF&G, Fairbanks
Keith Schultz, ADF&G, Fairbanks
Chris Smith, ADF&G, Fairbanks
Terry Haynes, ADF&G, Fairbanks
Tom Kron, ADF&G, Anchorage
John Hilsinger, ADF&G, Anchorage

AGO/ago

REGION II GENERAL PERMITS

RECREATIONAL PLACER MINING -

Location: Caribou Creek and Matanuska River
W $\frac{1}{4}$ Section 28, E $\frac{1}{4}$ Section 29, T. 20N., R. 10E; and
SE $\frac{1}{4}$ Section 32, N $\frac{1}{4}$ SW $\frac{1}{4}$ Section 33, T. 20N., R. 10E., S.M.

Permit #: FG 94-II-0003

Issued: January 24, 1994

Expires: December 31, 1994

Description: Public recreational mining on unclaimed or otherwise unencumbered lands occurring below the ordinary high water mark of Caribou Creek, its tributaries, and the Matanuska River.

SPECIAL AREAS -

Location: State Game Refuges and Critical Habitat Areas - Shore Fishery Leases

- Susitna Flats State Game Refuge
- Trading Bay State Game Refuge
- Redoubt Bay Critical Habitat Area
- Clam Gulch Critical Habitat Area
- Kalgin Island Critical Habitat Area
- Kachemak Bay Critical Habitat Area
- Egegik Critical Habitat Area
- Pilot Point Critical Habitat Area
- Port Moller Critical Habitat Area

Permit #: FG 92-II-0439

Issued: June 5, 1992

Expires: December 31, 1994

Description: Use of shore fishery leases for fishing authorized under a limited entry permit along the coastline of the above listed special areas. This does not authorize the off-road use of motorized vehicles for the use or construction of buildings in connection with operation of setnet sites.

(2)

Location: Clam Gulch Critical Habitat Area - ORV Use

Permit #: FG 93-II-0795

Issued: February 1, 1994

Expires: December 31, 1994

Description: Off-road use of any wheeled or tracked motorized vehicle is allowed under 5 AAC 95 on the Clam Gulch Critical Habitat Area tidelands for the purpose of normal personal or recreational transit. The off-road use of industrial or construction type equipment is not included in this authorization.

Location: Fox River Flats Critical Habitat Area - Fox River Flats Trail - ORV Use
Sections 20, 21, and 29, T. 4S., R. 10W., S.M.

Permit #: FG 93-II-0653

Issued: August 23, 1993

Expires: June 30, 1994

Description: Use of motorized vehicles less than 1,000 pounds gross vehicle weight on the Fox River Flats Trail within the Fox River Flats Critical Habitat Area. Motorized vehicles such as pick-up trucks, bulldozers, industrial equipment, large all-terrain vehicles, and other similar vehicles are not authorized to use the trail by this general permit because these vehicles may cause substantial damage to the trail. The use of these vehicles may be authorized by an individual Special Area Permit. In addition, no ground-effect motorized vehicle of any type may be operated within the Fox River Flats Critical Habitat Area off of the Fox River Flats Trail without an individual Special Area Permit.

Location: Goose Bay State Game Refuge - ORV Use

Permit #: FG 93-II-0663

Issued: August 26, 1993

Expires: April 1, 1994

Description: Off-road use of any wheeled, tracked, or other ground effect motorized vehicle less than 1,000 pounds gross vehicle weight is all under 5 AAC 95 from August 31 through November 8 on established trails located within the electrical transmission line right-of-way; and from November 9 through March 31 on all refuge land. From April 1 through August 30, off-road use of wheeled, tracked, or other ground effect motorized vehicle is not allowed except by individual Special Area Permit.

Permit #: FG 93-II-0652

Issued: August 23, 1993

Expires: June 30, 1994

Description: Off-road use of any wheeled or tracked motorized vehicle is allowed on all unvegetated critical habitat area tidelands below mean high tide between Anchor Point and Bidart Creek, between Miller's Landing and the Fox River Trail Corridor, between Martin River and Bear Cove, and between Seldovia and the portion of Kasitsna Bay located in T. 8S., R. 13 & 14W. It is the intent of this general permit to provide for normal personal and recreation transit within and through Kachemak Bay Critical Habitat Area and is not intended to authorize use of industrial or construction type equipment.

Location: Palmer Hay Flats State Game Refuge - ORV Use

Permit #: FG 93-II-0639

Issued: August 18, 1993

Expires: April 1, 1994

Description: Off-road use of any wheeled, tracked, or other ground effect motorized vehicle less than 1,000 gross vehicle weight is allowed under 5 AAC 95 from August 15 through November 9 only in a posted corridor extending from the western boundary of the refuge eastward to Wasilla Creek within 100 yards of the north bank of Palmer Slough and Knik Arm (access to this posted off-road vehicle corridor can be made from Hayfield Road on the west end of the corridor); and from November 10 through March 31 on all refuge land except state land in Sections 22, 27, and 34, T. 17N., R. 1E., S.M.; and Sections 3 & 10, T. 16N., R. 1E., S.M. From April 1 through August 14, off-road use of a wheeled, tracked, or other ground effect motorized vehicle is not allowed except by individual Special Area Permit. Aircraft, prohibited from April 1 through November 9; allowed from November 10 through March 31.

Location: Susitna Flats State Game Refuge - ORV Use

Permit #: FG 93-II-0662

Issued: August 26, 1993

Expires: December 31, 1994

Description: Off-road use of any wheeled, tracked, or other ground effect motorized vehicle less than 1,000 pounds gross vehicle weight is authorized from April 1 through November 8 within 1/3 mile of mean high tide; and from November 9 through March 31 on all refuge land. Aircraft is allowed on the refuge except that to avoid harmful disturbance to waterfowl populations during spring staging, the landing or taking off of aircraft is prohibited from April 1 through May 15 along the coast as shown on map except by an individual Special Area Permit.

4

Location: Susitna Flats State Game Refuge - Little Susitna River Public Use Facility -
Organized Group Assembly

Permit #: FG 94-II-0002

Issued: January 31, 1994

Expires: December 31, 1994

Description: Group assemblages of more than 20 persons at the Little Susitna Public Use Facility are authorized when space is available and appropriate staff are on hand subject the stipulations outlined in the permit.

STREAM CROSSINGS -

Location: Southcentral Alaska

Permit #: FG 93-II-0803

Issued: February 23, 1994

Expires: December 31, 1994

Description: Movement of certain motorized wheeled and tracked vehicles on the frozen waters of various specified rivers, lakes, and streams within the southcentral region.

Location: Bodenburg Creek
NW $\frac{1}{4}$ Section 1, T. 16N., R. 2E., S.M.

Permit #: FG 94-II-0131

Issued: March 17, 1994

Expires: December 31, 1994

Description: Movement of wheeled, tracked, or other ground contact motorized vehicles below the ordinary high water line on the bed and banks of Bodenburg Creek, from the confluence of Bodenburg Creek and the Knik River to the beginning of the continuously vegetated stream bank approximately 500 feet upstream from the mouth of Bodenburg Creek.

Location: Jim Creek
Sections 31 and 32, T. 17N., R. 3E., S.M.

Permit #: FG 94-II-0132

Issued: March 17, 1994

Expires: December 31, 1994

Description: Movement of wheeled, tracked, or other ground contact motorized vehicles less than 10,000 pounds gross vehicle weight is allowed only at the two existing fords.

Location: Petersville Road Area -

Peters Creek

Section 3, T. 26N., R. 8W., S.M., & Section 6, T. 28N., R. 8W., S.M.

Catch Creek

E½ Section 15, T. 28N., R. 9W., S.M., and Section 31, T. 28N., R. 9W., S.M.

Nugget Creek

S½ Section 15, T. 28N., R. 9W., S.M.

Thunder Creek

Section 30, T. 28N., R. 9W., S.M.

Permit #: FG 94-II-0043

Issued: January 21, 1994

Expires: December 31, 1994

Description: Movement of wheeled, tracked, or other ground contact motorized vehicles across the above listed streams is allowed only at the existing fords.

Location: Rabideux Creek

E½ Section 16, T. 24N., R. 5W., S.M.

Permit #: FG 94-II-0130

Issued: March 17, 1994

Expires: December 31, 1994

Description: Movement of wheeled, tracked, or other ground contact motorized vehicles below the ordinary high water line on the bed and banks of Rabideux Creek is allowed at the two existing fords immediately upstream from the confluence of Rabideux Creek and the Susitna River.

Location: Susitna River
E1/4, Section 15, T. 24 N., R. 5 W., S.M.

Permit #: FG 94-II-0129

Issued: March 17, 1994

Expires: December 31, 1994

Description: Movement of wheeled, tracked, or other ground contact motorized vehicles below the ordinary high water line on the bed and banks of the Susitna River at the existing fords west of the Parks Highway at the north end of the Susitna River Bridge.

MEMORANDUM

State of Alaska

TO: Distribution

FROM: Lance L. Trasky ~~AS~~
 Regional Supervisor
 Region IV
 Habitat Division
 Department of Fish and Game

DATE: February 24, 1987

FILE NO:

TELEPHONE NO.: 267-2346

SUBJECT: General Permits for
Kodiak Stream
Crossings

On February 11, Kim Sundberg met with Kodiak fisheries division staff to determine whether Habitat Division should issue general Fish Habitat (Title 16) Permits (GP's) for motorized vehicle crossings in specified anadromous fish streams. The following consensus was reached:

1. Issue GP's for vehicle crossings in certain non-critical segments of streams. Many people are fording anadromous streams in vehicles without obtaining ADF&G approval. Crossings are occurring within spawning beds and some individuals use the stream bed as a road. Fish & Wildlife Protection will more readily enforce crossing violations if the Department adopts a clear position on where stream crossings are and are not allowed. It was agreed that the following stream segments are suitable for GP's:
 - A. American River (AWC No. 259-23-10010-2020). Sites where American River has washed out Saltery Cove Road.
 - B. Saltery Creek (AWC No. 259-41-10050). Traditional crossing site near ADF&G weir.
 - C. Hurst Creek (AWC No. 259-41-10040). Traditional crossing site off Saltery Cove Road.
 - D. Sid Olds River and tributary (AWC Nos. 259-24-10020-2008 and 2018). Traditional crossing sites on Ben Deadman's Road.
 - E. Kalsin Creek (AWC No. 259-24-10030). Traditional fording site on Northland Ranch Road.
 - F. Pasagshak Creek (N.W. corner of Pasagshak Bay, AWC No. 259-41-10013-2005). Traditional fording site on old Military Trail.

(3)

Distribution

-2-

February 24, 1987

G. Snag Lake (No AWC Number). Fording site at lake outlet where road is washed out.

~~X. Devil Creek (AWC No. 259-31-10120-2005-3012). Fording site where Burma Road is washed out.~~

I. Burton Ranch Streams (AWC Nos. 259-30-10050 and 10040). Traditional ford sites on Burton Ranch Road and on beach below mean high tideline.

J. Sacramento River (AWC No. 259-30-10010). On beach below mean high tideline.

Subsequent to the meeting three additional crossings have been proposed by Pate Murray. They are listed as follows:

K. Joe Creek (AWC No. 259-41-10017). Traditional fording site on old Military Trail.

L. Portage Creek (AWC No. 259-41-10020). Traditional fording site on old Military Trail.

M. Rough Creek (AWC No. 259-41-10060). Traditional fording site above intertidal lagoon.

Upon further review, Snag Lake does not appear appropriate for a GP because the crossing is above the designated upper limit of anadromous fish use and it is outside of ADF&G jurisdiction (as shown in An Atlas to the Catalog of Waters Important to the Spawning, Rearing, and Migration of Anadromous Fish). With the exception of site G, GP's would be issued for sites A - M.

2. Limit GP's to pickup trucks and lighter vehicles. A limit of not more than 5,000 pounds gross vehicle weight was agreed to. Heavier vehicles will require individual permits.
3. Issue a public notice and press release requesting comments on the GP's, and hold a public meeting. Although a public meeting and comment period are not required for Fish Habitat Permits, we should take this opportunity to educate the public on the provisions of the permits and on the problems associated with uncontrolled stream crossings.
4. Post the GP's at ADF&G, FWP, Borough and City offices. If funds are available, erect signs at the the

Distribution

-3-

February 24, 1987

crossings. However, it is doubtful that signs will survive very long at the remote crossing sites.

If there are no objections to this proposal, Habitat will prepare the GP's, public notices, etc., and route them for your review. We would appreciate the names and addresses of individuals and groups that should receive notices of the public meeting. If you have any questions, please contact Kim Sundberg, 267-2334. Thank you for your cooperation.

Distribution:

Bruce Baker, Habitat Division, Juneau
Paul Krasnowski, Sport Fish Division, Anchorage
Larry Nicholson, Commercial Fisheries Division, Kodiak
Dave Daisy, FRED Division, Anchorage
Carl Yanagawa, Habitat Division, Anchorage

cc: Pete Murray
Bruce Barrett
Roger Blackett
Roger Smith

(10)

STATE OF ALASKA**WALTER J. HICKEL, GOVERNOR****DEPARTMENT OF FISH AND GAME
HABITAT AND RESTORATION DIVISION**333 RASPBERRY ROAD
ANCHORAGE, ALASKA 99514-1779
PHONE (907) 344-6241
FAX (907) 348-4223**FISH HABITAT PERMIT FG 94-II-0130****ISSUED: March 17, 1994
EXPIRES: December 31, 1994****General Public**

Re: Movement of wheeled, tracked, or other ground contact motorized vehicles below the ordinary high waterline on the bed and banks of Rabideux Creek (Stream No. 247-41-10200-2291), at the existing ford approximately 0.4 miles west of the Parks Highway at Milepost 104.8 (within the SW $\frac{1}{4}$, Section 9, T. 24 N., R. 5 W., S.M.) as follows:

1. There shall be no disturbance of vegetation or vegetated stream banks; no vehicles shall be operated on the bed or banks of Rabideux Creek except that vehicles may cross at the existing ford, at the referenced location, directly from bank to bank, in a direction substantially perpendicular to the stream flow.
2. Ground contact vehicles shall not be parked with wheels, tracks, or other ground contact appurtenances below the ordinary high waterline, or in contact with the bed or banks of Rabideux Creek, or other specified anadromous fish bearing waters.
3. There shall be no digging, placement of rock, sand, or other fill material, or disposal of wastes (including wastewater) in or on the bed or banks of Rabideux Creek. The stream banks shall not be altered in any way to facilitate crossing without the prior written approval of the Alaska Department of Fish and Game.

Pursuant to AS 16.05.870(b), the Alaska Department of Fish and Game (ADF&G) has determined that both the public interest and the proper protection of fish and game would be served through the issuance of a general permit authorizing the use of the existing ford, crossing Rabideux Creek approximately 0.4 miles west of Milepost 104.8 of the George Parks Highway, by wheeled and tracked vehicles. The use of any wheeled or tracked vehicles below the ordinary high waterline of Rabideux Creek, except at the location and in the manner specified herein, is not allowed except by individual Fish Habitat Permit issued by the ADF&G, Habitat and Restoration

COPIES AVAILABLE IN ROOM A247

11

FG 94-II-0130

-2-

March 17, 1994

Division. This General Permit does not authorize the harassment or interference with migrating salmon or other fish or wildlife, except for taking by lawful means in accordance with regulations adopted pursuant to Title 5 of the Alaska Administrative Code.

Rabideux Creek has been specified as being important for the spawning, rearing, or migration of anadromous fish pursuant to AS 16.05.870(a). It is utilized by chinook and coho salmon in the vicinity of the ford site. The use of the existing ford, as authorized herein, will not adversely affect these fish or fish habitat at the crossing site.

In accordance with AS 16.05.870(d), the use of wheeled or tracked vehicles to cross Rabideux Creek at the existing ford as described herein is hereby approved.

The vehicle owner and the operator, or the legal guardian of minor dependents is responsible for the actions of contractors, agents, or other persons who participate in the approved activity. For any activity that deviates from this approval, the responsible party shall notify the ADF&G and obtain written approval in the form of an individual permit before beginning the activity. Any action taken that increases the scope of the approved activity, or that negates, alters, or minimizes the intent or effectiveness of any stipulation contained in this permit will be deemed a significant deviation from the approved activity. The final determination as to the significance of any deviation and the need for an individual permit is the responsibility of the ADF&G, Habitat and Restoration Division. Therefore, it is recommended that the ADF&G, Habitat and Restoration Division, be consulted immediately when a deviation from the approved activity is being considered.

This letter constitutes a permit issued under the authority of AS 16.05.870. Please be advised that this approval does not relieve you of the responsibility for securing other permits: state, federal, or local.

Pursuant to 6 AAC 80.010 (b), the conditions of this permit are consistent with the Alaska and Matanuska-Susitna Borough Coastal Management Programs.

In addition to the penalties provided by law, this permit may be terminated or revoked for failure to comply with its provisions or failure to comply with applicable statutes and regulations. The department reserves the right to require mitigation measures to correct disruption to fish and game created by the activity and which were a direct result the failure to comply with this permit or any applicable law

(12)

PG 94-II-0130

-3-

March 17, 1994

The recipient of this permit (the responsible party or permittee) shall indemnify, save harmless, and defend the department, its agents, and its employees from any and all claims, actions or liabilities for injuries or damages sustained by any person or property arising directly or indirectly from permitted activities or the permittee's performance under this permit. However, this provision has no effect if, and only if, the sole proximate cause of the injury is the department's negligence.

This permit decision may be appealed in accordance with the provisions of AS 44.62.330--44.62.630.

Sincerely,

McKie Campbell, Deputy Commissioner



By: Kevin L. Gilleland
Habitat Biologist
Habitat and Restoration Division
(907) 267-2284

cc: R. Thompson, DNR/DL
A. Smet, DNR/DL
P. Pinard, DEC
D. Webster, MSE
C. Whitmore, ADF&G
J. Westlund, ADF&G
M. Kincaid, FWP

(13)

STATE OF ALASKA

WALTER J. HICKEL, GOVERNOR

DEPARTMENT OF FISH AND GAME**HABITAT AND RESTORATION DIVISION**133 RASPIERRE ROAD
ANCHORAGE, ALASKA 99512-1199
PHONE (907) 344-6544
FAX (907) 349-1723**FISH HABITAT PERMIT PG 94-II-0129****ISSUED:** March 17, 1994
EXPIRES: December 31, 1994**General Public**

Re: Movement of wheeled, tracked, or other ground contact motorized vehicles below the ordinary high waterline on the bed and banks of Susitna River (Stream No. 247-41-10200), at the existing fords west of the Parks Highway at the north end of the Susitna River Bridge (within the E $\frac{1}{4}$, Section 15, T. 24 N., R. 5 W., S.M.) as follows:

1. There shall be no disturbance of vegetation or vegetated stream banks; no vehicles shall be operated in the open waters of the Susitna River except that vehicles may cross at the existing fords, at the referenced location, directly from bank to bank, in a direction substantially perpendicular to the stream flow.
2. There shall be no digging, placement of rock, sand, or other fill material, or disposal of wastes (including wastewater) in or on the bed or banks of the Susitna River. The stream banks shall not be altered in any way to facilitate crossing without the prior written approval of the Alaska Department of Fish and Game.

Pursuant to AS 16.05.870(b), the Alaska Department of Fish and Game (ADF&G) has determined that both the public interest and the proper protection of fish and game would be served through the issuance of a general permit authorizing the use of the existing fords within the above described area, by wheeled and tracked vehicles. The use of any wheeled or tracked vehicles below the ordinary high waterline of the Susitna River, except at the location and in the manner specified herein, is not allowed except by individual Fish Habitat Permit issued by the ADF&G, Habitat and Restoration Division. This General Permit does not authorize the harassment or interference with migrating salmon or other fish or wildlife, except for taking by lawful means in accordance with regulations adopted pursuant to Title 5 of the Alaska Administrative Code.

The Susitna River has been specified as being important for the spawning, rearing, or migration of anadromous fish pursuant to

COPIES AVAILABLE IN ROOM A247

FG 94-II-0129

-2-

March 17, 1994

AS 16.05.870(a). It is utilized by all five North American species of Pacific salmon in the vicinity of the ford sites. The use of the existing fords, as authorized herein, will not adversely affect these fish or fish habitat at the crossing sites.

In accordance with AS 16.05.870(d), the use of wheeled or tracked vehicles to cross the Susitna River at the existing fords as described herein is hereby approved.

The vehicle owner and the operator, or the legal guardian of minor dependents is responsible for the actions of contractors, agents, or other persons who participate in the approved activity. For any activity that deviates from this approval, the responsible party shall notify the ADF&G and obtain written approval in the form of an individual permit before beginning the activity. Any action taken that increases the scope of the approved activity, or that negates, alters, or minimizes the intent or effectiveness of any stipulation contained in this permit will be deemed a significant deviation from the approved activity. The final determination as to the significance of any deviation and the need for an individual permit is the responsibility of the ADF&G, Habitat and Restoration Division. Therefore, it is recommended that the ADF&G, Habitat and Restoration Division, be consulted immediately when a deviation from the approved activity is being considered.

This letter constitutes a permit issued under the authority of AS 16.05.870. Please be advised that this approval does not relieve you of the responsibility for securing other permits: state, federal, or local.

Pursuant to 6 AAC 80.010 (b), the conditions of this permit are consistent with the Alaska and Matanuska-Susitna Borough Coastal Management Programs.

In addition to the penalties provided by law, this permit may be terminated or revoked for failure to comply with its provisions or failure to comply with applicable statutes and regulations. The department reserves the right to require mitigation measures to correct disruption to fish and game created by the activity and which were a direct result of the failure to comply with this permit or any applicable law.

The recipient of this permit (the responsible party or permittee) shall indemnify, save harmless, and defend the department, its agents, and its employees from any and all claims, actions or liabilities for injuries or damages sustained by any person or property arising directly or indirectly from permitted activities or the permittee's performance under this permit. However, this provision has no effect if, and only if, the sole proximate cause of the injury is the department's negligence.

(5)

FG 94-11-0129

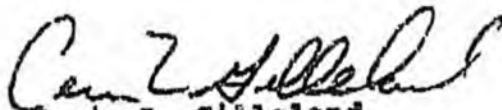
-3-

March 17, 1994

This permit decision may be appealed in accordance with the provisions of AS 44.62.330--44.62.630.

Sincerely,

McKie Campbell, Deputy Commissioner



By: Cevin L. Gilleland
Habitat Biologist
Habitat and Restoration Division
(907) 267-2284

cc: R. Thompson, DNR/DL
A. Samet, DNR/DL
P. Pinard, DEC
D. Webster, MSB
C. Whitmore, ADF&G
J. Westlund, ADF&G
M. Kincaid, FWP

(16)

STATE OF ALASKA

WALTER J. HICKEL, GOVERNOR

DEPARTMENT OF FISH AND GAME

HABITAT AND RESTORATION DIVISION

333 RASPBERRY ROAD
ANCHORAGE, ALASKA 99518-1199
PHONE (907) 344-0541
FAX (907) 349-1723

FISH HABITAT PERMIT FG 94-II-0043

ISSUED: January 21, 1994
EXPIRES: December 31, 1994

General Public

Re: Petersville Road Area;
Movement of wheeled, tracked, or other ground-contact motorized vehicles across the listed anadromous fish streams at the existing fords (approved crossing sites), as follows:

Vehicle Stream Crossings, Anadromous Fish Streams:

Peters Creek - Stream No. 247-41-10200-2053-3150-4060

Section 3, T. 26 N., R. 8 W., S.M.

Section 6, T. 28 N., R. 8 W., S.M.

Cache Creek - Stream No. 247-41-10200-2053-3150-4120

East $\frac{1}{2}$ of Section 15, T. 28 N., R. 9 W., S.M.

Section 22, T. 28 N., R. 9 W., S.M.

Section 21, T. 28 N., R. 9 W., S.M.

Section 29, T. 26 N., R. 9 W., S.M.

Section 30, T. 28 N., R. 9 W., S.M.

Section 31, T. 28 N., R. 9 W., S.M.

Nugget Creek - Stream No. 247-41-10200-2053-3150-4120-5041

South $\frac{1}{2}$ of Section 15, T. 28 N., R. 9 W., S.M.

Thunder Creek - Stream No. 247-41-10200-2053-3150-4120-5031

Section 30, T. 28 N., R. 9 W., S.M.

1. Stream crossings shall be made directly from bank to bank in a direction substantially perpendicular to the stream flow and are authorized only at the existing fords located as shown on the attached map.
2. Ground contact vehicles shall not be driven upstream or downstream below the ordinary high water line of any specified anadromous fish bearing waters.
3. Stream banks, stream beds, or the existing fords shall not be modified, expanded, repaired, or otherwise changed without the prior written approval of the Alaska Department of Fish and Game, Habitat and Restoration Division.

FG 94-II-0043

- 2 -

January 21, 1994

Pursuant to AS 16.05.870(b), the Alaska Department of Fish and Game (ADF&G) has determined that both the public interest and the proper protection of fish and wildlife would be served through the issuance of a general permit for vehicle stream crossings of the above listed anadromous fish bearing waters. Stream crossings at the existing fords identified by the legal description and indicated on the enclosed map are not expected to impact fish and wildlife resources, habitats, or public access to fish and wildlife resources provided the stipulations contained herein are adhered to. The use of any ground-effect motorized vehicles for stream crossings other than described in this general permit is not allowed except by an individual Fish Habitat Permit issued by the ADF&G, Habitat and Restoration Division.

Please be advised that the stream ford located in the west $\frac{1}{2}$ of Section 6, T. 27N., R. 9W., S.M., and part of the road system that parallels Cache Creek is not included in this general permit. Stream crossings of Cache Creek at this location or any other stream crossing downstream of this location is allowed only by individual Fish Habitat Permit.

The streams within the described areas have been specified as being important for the spawning, rearing, or migration of anadromous fish pursuant to AS 16.05.870(a). They are utilized by salmon species for either spawning, rearing, or migration. These stream crossings occur at well established sites along an approved Right-of-Way (unimproved road system). Consolidated stream crossing sites within this area will reduce impacts elsewhere along these stream systems.

In accordance with AS 16.05.870(d), stream crossings, as described above, are hereby authorized with no additional conditions or stipulations.

The permittee is responsible for the actions of contractors, agents, or other persons who perform work to accomplish the approved plan. For any activity that significantly deviates from the approved plan, the permittee shall notify the ADF&G and obtain written approval in the form of a permit amendment before beginning the activity. Any action taken by the permittee, or an agent of the permittee, that increases the project's overall scope or that negates, alters, or minimizes the intent or effectiveness of any stipulation contained in this general permit will be deemed a significant deviation from the approved plan. The final determination as to the significance of any deviation and the need for a permit amendment is the responsibility of the ADF&G, Habitat and Restoration Division. Therefore, it is recommended that the ADF&G, Habitat and Restoration Division be consulted immediately when a deviation from the approved plan is being considered.



FG 94-II-0043

- 3 -

January 21, 1994

This letter constitutes a general permit issued under the authority of AS 16.05.870. Please be advised that this approval does not relieve you of the responsibility for securing other permits: state, federal, or local.

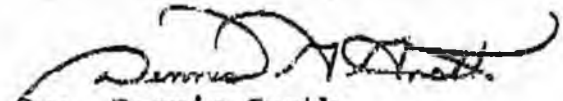
In addition to the penalties provided by law, this general permit may be terminated or revoked for failure to comply with its provisions or failure to comply with applicable statutes and regulations. The department reserves the right to require mitigation measures to correct disruption to fish and game created by the project and which were a direct result of the failure to comply with this permit or any applicable law.

The recipient of this general permit (the permittee) shall indemnify, save harmless, and defend the department, its agents, and its employees from any and all claims, actions, or liabilities for injuries or damages sustained by any person or property arising directly or indirectly from permitted activities or the permittee's performance under this general permit. However, this provision has no effect if, and only if, the sole proximate cause of the injury is the department's negligence.

This permit decision may be appealed in accordance with the provisions of AS 44.62.330--44.62.630.

Sincerely,

McKie Campbell, Deputy Commissioner


By: Dennis Gnath
Habitat Biologist
Region II
Habitat and Restoration Division

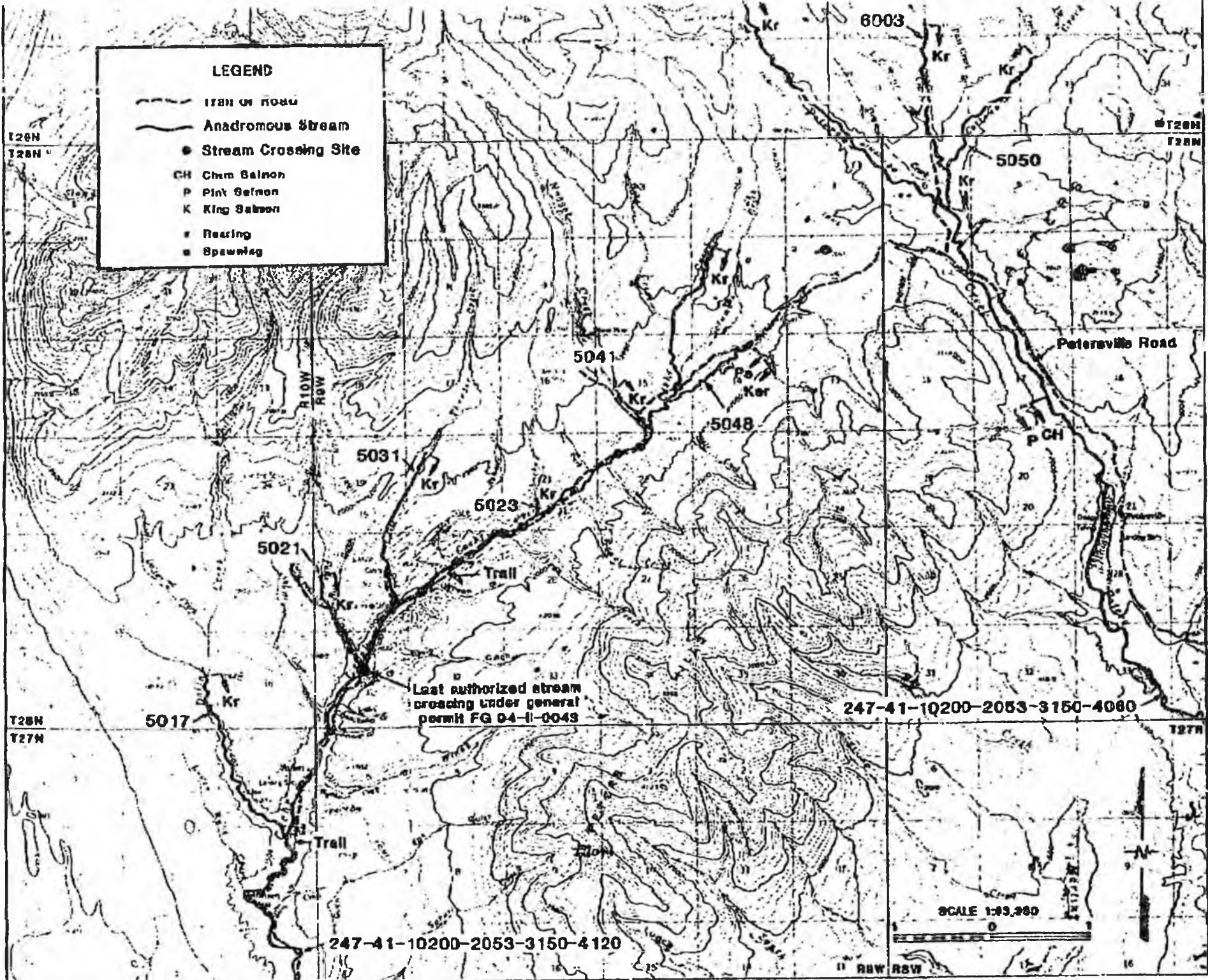
Enclosure

cc: R. Thompson, DNR/DL
J. Gallagher, DNR/DM
A. Samet, DNR/DL
P. Pinard, DEC
D. Webster, MSB
C. Whitmore, ADF&G
D. Kohler, COE
M. Kincaid, FWP

(19)

LEGEND

- TRAIL OR ROAD
- Anadromous Stream
- Stream Crossing Site
- CH Chin Salmon
- P Pink Salmon
- K King Salmon
- Rearing
- Spawning

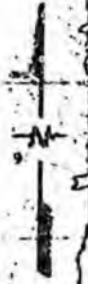


Last authorized stream crossing under general permit FG 04-II-0049

247-41-10200-2053-3150-4080

247-41-10200-2053-3150-4120

SCALE 1:25,000



RHW RSW

230 South Franklin
Room 307
Juneau, Alaska 99802

Notice of Waiver of Permit Requirement (FG-I-83-41)

Under Authority of AS 16.05.870, the Alaska Department of Fish and Game waives the requirements for obtaining a permit to cross the Klehini River (Stream number 115-32-10250-2023) with wheeled or tracked equipment provided the following conditions are met:

1. The crossing must occur at the 34 mile Porcupine Spur Road.
2. The crossing must occur during the period September 22 to October 15, 1983.
3. The equipment shall weigh no more than 18 tons (larger equipment will require individual permits).

This notice becomes effective September 22, 1983 and expires October 16, 1983, unless superseded by a subsequent announcement.

Dated: September 21, 1983
Don W. Collinsworth, Commissioner

Richard D. Reed

By: Richard D. Reed
Regional Supervisor
Habitat Division

cc: F.W.P. Haines
Ray Staska, ADFG, Haines
Mike Bethers, ADFG, Juneau
D. Henkins, ADEC, Juneau

RR:ror

In response to local needs for access across the upper Klehini River, the Alaska Department of Fish and Game has decided to issue the following permit waiver. It has been determined that if the fordings are discontinued prior to spring fry migration, the impacts upon the fishery resources will be minimal.

Notice of Waiver of Permit Requirement (FG-86-I(J)-42)

Under Authority of AS 16.05.870, the Alaska Department of Fish and Game waives the requirements for obtaining a permit to cross the Klehini River (Stream number 115-32-10250-2023), a designated anadromous fish stream, with wheeled or tracked equipment provided the following conditions are met:

1. The crossing must occur at the 34 mile Porcupine Spur Road within 50 yards of the flagged site.
2. The crossing must occur prior to April 15, 1987.
3. The equipment shall weigh no more than 12 tons (larger equipment will require individual permits).

This notice becomes effective immediately and expires April 15, 1987, unless superseded by a subsequent announcement.

Dated: September 18, 1986
Dennis D. Kelso, Deputy Commissioner

Janet E. Hall
By: Janet E. Hall
Area Habitat Biologist
Habitat Division

cc: Fish and Wildlife Protection, Haines
Ray Staska, ADFG, Haines
Mike Bethers, ADFG, Juneau
D. Henkins, ADEC, Juneau
L. Kruger, DNR, Juneau
R. Josephson, DNR, Haines
C. Denny, DNR, Juneau

STATE OF ALASKA

DEPARTMENT OF FISH AND GAME

SOUTHEAST REGIONAL OFFICE
HABITAT DIVISION

WALTER J. HICKEL, GOVERNOR

P.O. BOX 240020
DOUGLAS, ALASKA 99824-0020
PHONE: (907) 465-4290

September 28, 1992

FG92-I(J)-33

Clay Alderson, Superintendent
Klondike Gold Rush Historical Park
P.O. Box 517
Skagway, Alaska 99840

*- note see also permits
to James Skipper &
Raymond Hatcher (31 + 32)
also for fords downstream
J 10/28/92*

Dear Mr. Alderson:

RE: Fording of Nelson Creek
ADF&G Stream No. 115-34-2011
Township 27S, Range 59E, Section 34, C.R.M.
Dyea

Pursuant to AS 16.05.870(b) the Alaska Department of Fish and Game (ADF&G) has reviewed your proposed "general permit" for the public to ford Nelson Creek (slough) with personal vehicles.

Nelson Creek is specified as important for the migration, spawning, and rearing of anadromous fishes pursuant to AS 16.05.870(a). Your proposed fording area is important for passage of trout, salmon and Dolly Varden, and rearing fry may occupy the area year-round.

It is our usual practice to require that a bridge, culvert, or other suitable alternative to fording, be installed for routine access across fish bearing waters. If a ford were to be permitted, we would normally request that fording be confined to periods when no fish are present. However, we realize that unpermitted public access by fording Nelson Creek in the area you have requested may be decades old. We also appreciate your intent to comply with State law.

Therefore, though we predict that continued fording in this section of Nelson Creek is likely to degrade rearing habitats, permission for the public to ford Nelson Creek in this fish rearing area will be given for a limited time. However, as discussed with Park Ranger, Jeff Mow, ADFG will also require that the Park Service make plans to install a bridge or other crossing structure, to eliminate fording, as specified below.

In accordance with AS 16.05.870(d) approval is hereby given subject to the following stipulation:

1. Permission to ford this section of Nelson Creek shall be renewed annually. However, in order to eliminate fording of the stream and it's attendant risk to fish and their habitats, fording will not be allowed after July 20, 1994. You must therefore submit plans for construction of an access by bridge (or other suitable alternative) so that approval may be given, and alternative access may be constructed by that date. In-water construction would be confined to the period, May 15 - July 20.

For any activity which significantly deviates from the approved plan, the permittee shall notify the ADF&G and obtain written approval in the form of a permit amendment prior to commencement of the activity. Any action taken by the permittee which increases the overall scope of the project or which negates, alters, or minimizes the intent or effectiveness of any stipulation contained in this permit will be considered a significant deviation from the approved plan. The final determination as to the significance of any deviation and the need for a permit amendment is the responsibility of the ADF&G; therefore, it is recommended that the ADF&G be consulted immediately when a deviation from the approved plan is being considered.

This letter constitutes a permit issued under the authority of AS 16.05.870, AS 16.05.840, and 6 AAC 50. This permit must be retained on site during construction, and expires on July 20, 1993.

Please be advised that this approval does not relieve you of the responsibility for securing other permits, state, federal or local. You are encouraged to contact the Juneau Permit Information and Referral Center, telephone 465-2615, if you are in doubt as to the need for obtaining other permits.

Pursuant to 6 AAC 80.010(b) the conditions of this permit are consistent with the Standards of the Alaska Coastal Management Program and the Skagway Coastal District Program.

In addition to the penalties provided by law, this permit may be terminated or revoked for failure to comply with its provisions or failure to comply with applicable statutes and regulations.

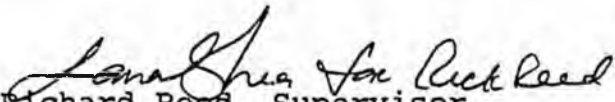
The Department reserves the right to require mitigation measures to correct disruption to fish and game created by the project and which were a direct result of the failure to comply with this permit or any applicable law.

This permit decision may be appealed in accordance with the provisions of AS 44.62.330--44.62.630.

The recipient of this permit (permittee) shall indemnify, save harmless, and defend the Department, its agents and its employees

from any and all claims or actions for injuries or damages sustained by any person of property arising directly or indirectly from permitted activities or the permittee performance under this permit. However, this provision has no effect, if, but only if, the sole proximate cause of the injury is the Department's negligence.

Sincerely,
Ron J. Somerville
Deputy Commissioner

By: 
Richard Reed, Supervisor
Habitat Division

cc: Fish and Wildlife Protection, Juneau
A. Pekovich, ADNR LAW, Juneau
ADFG Skagway Area Management Staff
EPA, FWS, NMFS, COE, USFS, NPS
Skagway Coastal District
Skagway City Police
J. Skipper, Skagway
R. Hatcher, Skagway

STATE OF ALASKA

DEPARTMENT OF FISH AND GAME

SOUTHEAST REGIONAL OFFICE
HABITAT AND RESTORATION DIVISION

file clust 2/
WALTER J. HICKEL, GOVERNOR

P.O. BOX 240020
DOUGLAS, ALASKA 99824-0020
PHONE: (907) 465-4290

February 7, 1994

FG94-I(J)-06

Clay Alderson, Superintendent
Klondike Gold Rush Historical Park
P.O. Box 517
Skagway, Alaska 99840

Dear Mr. Alderson:

RE: Fording of Nelson Creek
ADF&G Stream No. 115-34-2011
Township 27S, Range 59E, Section 34, C.R.M.
Dyea

Pursuant to AS 16.05.870(b) the Alaska Department of Fish and Game (ADF&G) has reviewed your proposed "general permit" for the public to ford Nelson Creek (slough) with personal vehicles.

Nelson Creek is specified as important for the migration, spawning, and rearing of anadromous fishes pursuant to AS 16.05.870(a). Your proposed fording area is important for passage of trout, salmon and Dolly Varden, and rearing fry may occupy the area year-round.

It is our usual practice to require that a bridge, culvert, or other suitable alternative to fording, be installed for routine access across fish bearing waters. If a ford were to be permitted, we would normally request that fording be confined to periods when no fish are present. However, we realize that you are now preparing designs and obtaining funding for constructing a bridge to replace this ford and that in the interim, fording will still be required.

Therefore, though we predict that continued fording in this section of Nelson Creek is likely to degrade rearing habitats, permission for the public to ford Nelson Creek in accordance with AS 16.05.870(d) is hereby given.

We appreciate your efforts to prepare plans for construction of an access by bridge. In-water construction would be confined to the period, May 15 - July 20.

For any activity which significantly deviates from the approved plan, the permittee shall notify the ADF&G and obtain written approval in the form of a permit amendment prior to commencement of the activity. Any action taken by the permittee which increases the overall scope of the project or which negates, alters, or minimizes the intent or effectiveness of any stipulation contained in this permit will be considered a significant deviation from the approved plan. The final determination as to the significance of any deviation and the need for a permit amendment is the responsibility of the ADF&G; therefore, it is recommended that the ADF&G be consulted immediately when a deviation from the approved plan is being considered.

This letter constitutes a permit issued under the authority of AS 16.05.870, AS 16.05.840, and 6 AAC 50. This permit must be retained on site during construction, and expires on December 31, 1995.

Please be advised that this approval does not relieve you of the responsibility for securing other permits, state, federal or local. You are encouraged to contact the Juneau Permit Information and Referral Center, telephone 465-2615, if you are in doubt as to the need for obtaining other permits.

Pursuant to 6 AAC 80.010(b) the conditions of this permit are consistent with the Standards of the Alaska Coastal Management Program and the Skagway Coastal District Program.

In addition to the penalties provided by law, this permit may be terminated or revoked for failure to comply with its provisions or failure to comply with applicable statutes and regulations.

The Department reserves the right to require mitigation measures to correct disruption to fish and game created by the project and which were a direct result of the failure to comply with this permit or any applicable law.

This permit decision may be appealed in accordance with the provisions of AS 44.62.330--44.62.630.

The recipient of this permit (permittee) shall indemnify, save harmless, and defend the Department, its agents and its employees from any and all claims or actions for injuries or damages sustained by any person of property arising directly or indirectly from permitted activities or the permittee performance under this permit. However, this provision has no effect, if, but only if, the sole proximate cause of the injury is the Department's negligence.

Sincerely,
Ron J. Somerville
Deputy Commissioner
Jol

By: *John Palmes*
John Palmes
Northern Southeast Area
Habitat Biologist

cc: Fish and Wildlife Protection, Juneau
A. Pekovich, ADNR LAW, Juneau
ADFG Skagway Area Management Staff
Skagway Coastal District
Skagway City Police

STATE OF ALASKA

WALTER J. HICKEL, GOVERNOR

DEPARTMENT OF FISH AND GAME

SOUTHEAST REGIONAL OFFICE
HABITAT AND RESTORATION DIVISION

P.O. BOX 240020
DOUGLAS, ALASKA 99824-0020
PHONE: (907) 465-4290

January 24, 1994

Daniel Adams
P.O. Box 75
Yakutat, AK 99689

Dear Mr. Adams:

The Alaska Department of Fish and Game requests your help and advice concerning use of motorized vehicles in the Yakataga State Game Refuge.

The off-road use of wheeled or tracked vehicles on the refuge, including fording (driving across) of salmon streams and rivers, requires permits from this department: a Special Area Permit for activities on refuge lands, and a General Waterway/Waterbody Permit for stream crossings.

We have issued no permits for stream crossings or for off-road use of motorized vehicles on the refuge. Nevertheless, such illegal use on the Yakataga Refuge has now increased to the point that stream banks are being broken down and churned into mud which may then pollute salmon spawning areas. Water filled tracks now cover the landscape in swaths up to 50 yards wide in some areas. Disturbance to wildlife has also become a concern.

It is therefore necessary that we limit the off-road use of motorized vehicles on the refuge to designated areas and identify the best stream crossing locations to avoid or minimize damage to fish habitat.

If you would like to cross streams or use motorized vehicles on the Yakataga Refuge, you must apply for the required permit(s). We also need your suggestions about where the best stream crossings are and which trails are most appropriate. We are looking for stream crossings which entail the least amount of bank damage and disturbance to spawning gravels. Use of motorized vehicles should likewise be confined to areas where surface scaring and erosion can be minimized.

Laws against unpermitted fording of streams and use of off-road vehicles on the Yakataga Refuge will be enforced. Please complete

the appropriate applications (including Coastal Projects Questionnaire, copies enclosed) and suggestions for minimizing adverse impacts of off-road vehicle use in the Yakataga State Game Refuge to:

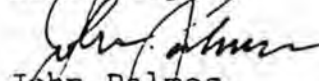
John Palmes
Alaska Department of Fish and Game
Habitat and Restoration Division
Box 240020
Douglas, Alaska 99824-0020

If you cannot provide all the information requested on the forms, just leave those lines blank. Most important is a map, sketch and description that allows us to understand what you want to do and where and when you want to do it. Please send your application materials by May 31, 1994 so that we can have time to visit the area during the spring and summer field season.

If you have any questions, please call Roy Nowlin in the Cordova office of the Alaska Department of Fish and Game (424-3215) or call me in Juneau (465-4288).

Thank you.

Sincerely,


John Palmes
Northern Southeast Area
Habitat Biologist

Enclosures: (Special Area Permit Appln., General Waterway/Waterbody (stream crossing) Permit appln., Yakataga State Game Refuge map)

The following individuals received a letter re. use of motorized vehicles in the Yakataga State Game Refuge dated January 24, 1994:

Daniel Adams
P.O. Box 75
Yakutat, AK 99689

Harold Gray
P.O. Box 13
Yakutat, AK 99689

Leon Phillips
7019 Crawford
Anchorage, AK 99502

Charles Allen
Alaska Expedition
Co.
P.O. Box 675
Cordova, AK 99574

Bert Hansen
P.O. Box 83
Yakutat, AK 99689

David Russell
P.O. Box 273
Yakutat, AK 99689

Eric Baker
2884 E. 42nd
Anchorage, AK
99508

Vernon Hansen
P.O. Box 106
Yakutat, AK 99689

Craig Swanson
P.O. Box 211
Yakutat, AK 99689

George Bogren
P.O. Box 392
Yakutat, AK 99689

Russell Hensler
#5 Scenic Place
Montesano, WA 98563

John Tucker
P.O. Box 2349
Cordova, AK 99574

Robert Bulard
P.O. Box 281
Yakutat, AK 99689

Michael Herder
P.O. Box 35
Yakutat, AK 99689

John Vale
P.O. Box 193
Yakutat, AK 99689

Richard Carr
P.O. Box 13162
Trapper Creek, AK
99683

Rick & Joy Karsunky
P.O. Box 331
Yakutat, AK 99689

James Wilson
P.O. Box 108
Ambler, AK 99786

George Davis
P.O. Box 214
Yakutat, AK 99689

Vern Kuder
P.O. Box 353
Cordova, AK 99574

George Davis
Alaska Gulf Coast
Adventures
1700 Forest Drive
Corbin, KY 40701

Ed & Evelyn Dierick
P.O. Box 311
Yakutat, AK 99689

Robert Lekanof
P.O. Box 306
Yakutat, AK 99689

Damien Long
P.O. Box 54
Yakutat, AK 99689

Greg Dierick
P.O. Box 421
Yakutat, AK 99689

Rick & Scott Newlun
P.O. Box 262
Yakutat, AK 99689

Sam Fejes
P.O. Box 111394
Anchorage, AK 99511

Ralph Nordt
1503 Walnut Ave
Hilltop, NJ 08012

Steve Rainey
Fishing and Flying
P.O. Box 2349
Cordova, AK 99574

Sam Magee
Alaska Wilderness
Outfitters
Box 1516
Cordova, AK 99574

STATE OF ALASKA

DEPARTMENT OF FISH AND GAME

WALTER J. HICKEL, GOVERNOR

333 RASPBERRY ROAD
ANCHORAGE, ALASKA 99518-1500
PHONE: (907) 344-0341

AK-D

FISH HABITAT PERMIT FG 93-II-0061 (AMENDMENT I)

ISSUED: May 19, 1993
EXPIRES: May 1, 1994

Mr. Greg Bell
Valley Sawmill
6231 Old Seward Highway
Anchorage, Alaska 99517

awd

Dear Mr. Bell:

Re: Stream Crossings - Susitna River Channels
Stream No. 247-41-10200
Sections 34 and 35, T. 21 N., R. 5 W., S.M.
Sections 1-3, T. 20 N., R. 5 W., S.M.

Pursuant to AS 16.05.870(b), the Alaska Department of Fish and Game (ADF&G) has reviewed your proposal to cross the Susitna River at the referenced location. You indicated in your verbal request on May 5, 1993 that you intend to cross at least three channels of the Susitna River with a Caterpillar D-5 to identify a winter access route to your timber sale area.

The Susitna River has been specified as being important for the spawning, rearing, or migration of anadromous fish pursuant to AS 16.05.870(a). In the vicinity of the proposed crossings the Susitna River supports habitat for chinook, coho, chum, and pink salmon for spawning, and by chinook, sockeye, and coho salmon for rearing. Adult salmon spawning in this area begins in mid to late July and extends through the late fall. The eggs deposited in the streambed do not emerge as free swimming fish until March, April, or May of the following year. Salmon eggs deposited in streambed gravel are extremely vulnerable to any type of disturbance and cannot withstand shock or pressure. In addition, sediment deposited on top of salmon spawning sites may suffocate and thereby kill eggs. For these reasons instream work in the Susitna River drainage is generally prohibited in salmon spawning and rearing areas except between May 15 and July 15. These stream crossings, if conducted in accordance with the stipulations in this permit, are not expected to adversely impact fish and wildlife resources or habitats.

In accordance with AS 16.05.870(d), project approval is hereby given subject to the following stipulations:

1. All open water stream crossings shall be completed during the period from May 15 through July 15 unless otherwise approved in writing by the ADF&G.
2. All stream crossings shall be made directly from bank to bank in a direction substantially perpendicular to the stream flow of the Susitna River. The number of crossings shall be the minimum necessary to complete the project.
3. Stream crossings shall be made at locations with gently or gradually sloping banks. There shall be no crossings at locations with sheer or cut banks.
4. Streambanks shall not be altered to facilitate equipment crossings or disturbed in any way. If streambanks are inadvertently disturbed by equipment crossing, they shall be immediately stabilized to prevent erosion.

The permittee is responsible for the actions of contractors, agents, or other persons who perform work to accomplish the approved plan. For any activity that significantly deviates from the approved plan, the permittee shall notify the ADF&G and obtain written approval in the form of a permit amendment before beginning the activity. Any action taken by the permittee or an agent of the permittee that increases the project's overall scope or that negates, alters, or minimizes the intent or effectiveness of any stipulation contained in this permit will be deemed a significant deviation from the approved plan. The final determination as to the significance of any deviation and the need for a permit amendment is the responsibility of ADF&G. Therefore, it is recommended that ADF&G be consulted immediately when a deviation from the approved plan is being considered.

This letter constitutes a permit issued under the authority of AS 16.05.870. This permit must be retained on site during the stream crossings. Please be advised that this approval does not relieve you of the responsibility for securing other permits: state, federal, or local.

Pursuant to 6 AAC 80.010 (b), the conditions of this permit are consistent with the Standards of the Alaska Coastal Management Program and the Matanuska-Susitna Borough Coastal District Management Plan.

In addition to the penalties provided by law, this permit may be terminated or revoked for failure to comply with its provisions or failure to comply with applicable statutes and regulations. The

May 19, 1993

department reserves the right to require mitigation measures to correct disruption to fish and game created by the project and which were a direct result of the failure to comply with this permit or any applicable law.

The recipient of this permit (the permittee) shall indemnify, save harmless, and defend the department, its agents, and its employees from any and all claims, actions or liabilities for injuries or damages sustained by any person or property arising directly or indirectly from permitted activities or the permittee's performance under this permit. However, this provision has no effect if, and only if, the sole proximate cause of the injury is the department's negligence.

This permit decision may be appealed in accordance with the provisions of AS 44.62.330 - 44.62.630.

Sincerely,

McKie Campbell, Deputy Commissioner

Steven W. Albert

By: Steven W. Albert
Habitat Biologist
Region II
Habitat and Restoration Division
(907) 267-2284

cc: R. Thompson, ADNR
G. Saupe', DEC
D. Webster, MSB
C. Whitmore, ADF&G
M. Kincaid, FWP
C. Gilleland, ADF&G
J. Eleazer, ADNR/DOF

DEPARTMENT OF FISH AND GAME

HABITAT AND RESTORATION DIVISION

P.O. BOX 25526
JUNEAU ALASKA 99802-5526
PHONE: (907) 465-4105/4125
FAX: (907) 465-4759

April 29, 1993

Mr. Ted Smith
Matanuska-Susitna Borough Assembly
Box 1026
Willow, AK 99688

Dear Mr. *Ted* Smith:

I received a copy of your March 14 letter to Senator Mike Miller of the Senate Resources Committee regarding the Greg Bell violation at the Susitna River. It appears that your sources of information regarding this situation are not completely accurate nor have they related the entire story in its true context. I would like to address the following points of contention: 1) facts related to Mr. Bell's violation; 2) Alaska Department of Fish and Game (ADF&G) discretion regarding citations; 3) the historic nature and use of this site for stream crossings; and 4) the Commissioner's authority to issue general permits for stream crossings.

Mr. Bell's Violation

Mr. Bell was not cited because he accidentally broke through the ice while crossing the Susitna River slough on February 17. We do not know what events transpired on February 17. The truth of the matter is that he was cited for deliberately driving through the open water on February 18. Mr. Bell has already stated in a taped interview with Trooper Yoder (Fish and Wildlife Protection) that he had broken through the ice during the morning crossing on February 18 and kept on going to the other side. He did not report this as his permit required. Later that day upon returning to the crossing location, Mr. Bell, as he characterized it, made "a judgement call on his part" to cross through the open water knowing that his permit did not allow such a crossing. Mr. Bell said that he didn't think there were any fish or eggs present and that he thought that ADF&G would not have a problem with this.

ADF&G Peace Officer Title 16 Discretion

If Mr. Bell had simply broken through the ice he would not have been cited. We believe that the ADF&G staff biologist exercised proper discretion in issuing this citation. The biologist reviewed all of the facts presented by Mr. Bell, evaluated the onsite

Mr. Ted Smith

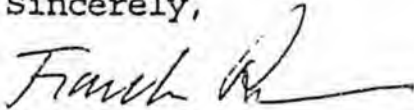
-3-

April 29, 1993

using landing mats or other means to reduce the pressure from his cat on the gravel. We will continue to work with Mr. Bell to get him access to his timber sale while maintaining the anadromous fish resources of the area.

We have already discussed most of your other concerns recently in our telephone conversations. I hope this clears up any misunderstandings that you may have had regarding the issuance of the citation to Mr. Bell.

Sincerely,

A handwritten signature in cursive script, appearing to read "Frank Rue", with a long horizontal flourish extending to the right.

Frank Rue
Director

cc: Lance Trasky
Steve Albert

3/18/93

Attorney: Client
Privileged

BRIEF SUMMARY OF FACTS - GREG BELL VIOLATION

- * Mid January 1993 - Bell (Owner of Valley Sawmill) comes to ADF&G to discuss proposed crossing of side channels of the Susitna River to access a state timber sale that he had purchased three years ago that was about to expire. He said that various circumstances had prevented him from logging the area until now.
- * Albert advised him that a permit was required as per AS 16.05.870 and he would be limited to crossing over snow and ice. The permit specifically said that Mr. Bell could not operate in open water areas. All permit stip were reviewed in great detail and approved by Bell. Open water crossings were prohibited because the area near the crossing site provides chum and coho salmon spawning habitat. He was also warned that crossings in this particular area during Feb. or March can be risky.
- * Permit application received 1/29/93 and a permit issued on 2/2/93. Because Bell indicated that he was running out of time, Albert expedited Bell's permit and instead of taking a normal 3 weeks for permit issuance, took only 3 days.
- * 2/18/93 - ADF&G received several phone calls from local resident complaining that Bell was driving a D5 through the stream. Albert contacted Jim Eleazer of DOF to contact Bell onsite to prevent him from violating the law. Every possible effort was made to contact someone in the area to tell Mr. Bell not to cross in the open water.
- * 2/19/93 - FWP officer Yoder and Albert visit the site to investigate the potential violation and Bell admitted that he had crossed in open water and knew that it was not permitted. He said that he made a decision to cross because he didn't think fish or eggs were present and that he didn't think that Albert would mind even though his permit said not to operate in open water.
- * Later that afternoon Albert requested a meeting with Bell at the ADF&G office where a citation was issued
- * Bell said more than once during the interviews that DOF staff onsite approved the open water crossing and advised him that ADF&G biologists would have no problem with it. Even though DOF staff advised Mr. Bell to violate his permit, Mr. Bell still made the decision to cross. DOF clearly exceeded their authority in the field.
- * 3/1/93 - Wallingford and Eleazer meet with McKay and Albert to discuss Title 16 permitting.
- * 3/4/93 - Wallingford writes memo to D. Brown complaining about Title 16 permitting procedures and immediately faxes it to Bell
- * Subsequent to the violation ADF&G staff talked to Mr. Bell on several occasions and offered to work out some means of crossing the 50-foot slough such as the use of landing mats. Mr. Bell does not seem to be very interested in working out a way to cross the slough.
- * 3/8/93 - Bell writes letter to Sen. Leman complaining about Title 16 and ADF&G
- * 3/10/93 - Bell is arraigned at Palmer Court and pleads not guilty. Representation hearing set for 4/12/93 trial on 4/30/93

MEMORANDUM

State of Alaska

DEPARTMENT OF FISH & GAME

TO: Frank Rue
Director
Habitat and Restoration Division FILE NO.:
Department of Fish and Game

DATE: April 27, 1993

TELEPHONE NO.: 267-2342

SUBJECT: Greg Bell Violation

FROM: Lance L. Trasky
Regional Supervisor
Region II
Habitat and Restoration Division
Department of Fish and Game

During recent weeks Region II has received three disturbing pieces of correspondence related to the Greg Bell violation. They include Dave Wallingford's March 4 letter to Dean Brown (Attachment 1), Greg Bell's March 8 letter to Senator Loren Leman (Attachment 2), and Ted Smith's March 14 letter to Senator Mike Miller (Attachment 3). These three letters present an inaccurate and very biased account of the Greg Bell violation, and are apparently being used in a campaign to attempt to weaken the Anadromous Fish Act. We feel that it is very important to set the record straight about what occurred and why Mr. Bell was cited. We have also responded to each of the claims made in Mr. Wallingford's and Mr. Bell's letters (Attachments 4 and 5 respectively). Attachment 6 is a letter you sent to Mr. Smith to correct factual errors in his letter.

The facts surrounding this incident are simple. Mr. Bell had a three-year contract to cut cottonwood logs on the Delta Islands. On January 29 of the third year, Mr. Bell applied for a Title 16 permit to cross several sloughs of the Susitna River to access his timber. Mr. Bell proposed to cross the river at sites which had been used to access previous timber sales. Because of the late date, Mr. Bell's permit (Attachment 7) was quickly expedited to allow him to cross as soon as possible. His permit was issued on February 2, 1993, and the first stipulation specifically stipulated that he was not to cross in open water areas without written approval from the Alaska Department of Fish and Game (ADF&G) because of potential impacts to chum and coho salmon which spawn throughout the Delta Island area. On February 17, 1993, Mr. Bell moved his equipment to the crossing location. Mr. Strube, a Division of Forestry (DOF) employee, was on site at the time. We have been informed by Mr. Bell that during the morning of February 18 he crossed the slough. Mr. Bell apparently broke through the ice at that time, but continued on to conduct a reconnaissance of Mr. Bell's sale. Later that day, during their return trip from reconnaissance of the sale area, they drove the equipment through the open water

of the slough. Shortly thereafter at 2:20 p.m. on February 18, the department received a complaint from an irate resident who claimed that Mr. Bell was, "making a mess and driving through the stream." Department staff began preparations to visit the site the next day, and immediately called Mr. Strube's supervisor, Jim Eleazer of DOF and asked him to contact Mr. Bell or Mr. Strube by radio or in person and advise him not to drive through the open water of the slough. Mr. Eleazer informed us that he was unable to contact Mr. Strube by radio and there was not enough time to drive out to the crossing to prevent the violation. The next morning, Mr. Steve Albert, Habitat Biologist, and a state trooper went to the site. Mr. Bell was interviewed and he admitted driving through the open waters of the slough on February 18, even though his permit specifically prohibited that. We have recently been advised that another operator actually drove the vehicle. Mr. Bell stated that Mr. Strube said it was okay and that he didn't think it would do any harm. Based upon Mr. Bell's actions, his unwillingness to contact us when he knew he had a problem, and statements made to the Fish and Wildlife Protection officer, he was issued a citation. However, department staff informed Mr. Bell at that time and on several other occasions since the citation was issued that they were willing to permit Mr. Bell to cross the slough if he would use landing mats or any other means of reducing the ground pressure of the D5 Caterpillar on the streambed gravels. Since that time, Mr. Bell has not shown much interest in accessing his timber, and has indicated that he has another source of cottonwood logs to meet his needs.

We are most deeply disturbed by Mr. Wallingford's letter for three reasons. First, the majority of Mr. Wallingford's claims are not true; second, the primary purpose of the letter appears to be to undermine the state's effort to meet its statutory mandate to protect fish habitat on forest lands; and third, it attempts to draw attention away from the DOF employee's role in the violation. Mr. Bell used Mr. Wallingford's letter to ask Senator Loren Leman to change Title 16, and also provided a copy to the Anchorage Daily News, who published an article alleging that ADF&G was denying loggers access to their timber.

A simple review of Mr. Bell's permit (Attachment 7) demonstrates that Mr. Wallingford's claims are fallacious and some are outright fabrications. I will provide two examples here, but there are many more in our critique of his letter (Attachment 4). In his letter, Mr. Wallingford states "It is difficult to understand why ADF&G, at historic fords where traffic has already compacted gravel or impacted eggs would stipulate a bridge was necessary for limited access." Although, Mr. Wallingford's letter would lead the reader to believe that the ADF&G permit required Mr. Bell to put in a bridge, there is

no such stipulation in the permit! A copy of the permit is attached so you can read it for yourself (Attachment 7). Mr. Wallingford also makes a major issue out of the presence of the word "game" in AS 16.05.870 and says that, "without a challenge, ADF&G will attempt to expand their authority beyond the normal high water line within the river bed by reference to this section Title. I find this, at its best, harassment of the permittee by superficial permit crossing language, not necessary to protect the anadromous fish resources of the State." In spite of Mr. Wallingford's impassioned attack on this department's permit, not one of the five stipulations in Mr. Bell's permit mentions "game" or attempts to regulate anything above ordinary high water. The remainder of Mr. Wallingford's letter is pretty much the same.

The truth is that Mr. Wallingford and his staff are well aware that ADF&G has worked cooperatively with the timber industry and the DOF for many years to provide access to state and private timber sales and to meet our statutory mandate to protect fish habitat. We have worked hard to build a good working relationship with the industry and the DOF. The success of our efforts can be measured by the fact that hundreds of permits have been issued to the industry and thousands of acres of timber have been cut. Relatively few violations have occurred over the past 10 years. We have no idea what motivated Mr. Wallingford to write his letter, but his baseless attack on this department, our personnel, and our responsibility to prosecute violators of our statutes has been a major set back. His actions will require more work for our staff in administering this violation, sends the wrong message to a person who violates state law, and will hurt our relationship with the DOF. Mr. Wallingford's letter has received widespread distribution and though it can be easily documented that his claims are not true, the damage can not be easily repaired or forgotten. Therefore, we felt a need to specifically address inaccuracies and misleading statements made in Mr. Wallingford's, Mr. Bell's, and Mr. Smith's letters.

In spite of these attempts to inflame the timber industry and legislators against the department, we feel confident that they will soon realize that the claims made are untrue and groundless and that the department is conducting its business in the same even-handed manner that it always has. This is a simple case of someone who broke the law and got caught.

Although this attack was aimed at ADF&G, and at fish habitat protection statutes, we believe that Mr. Wallingford's letter, general attitude, and performance may have another negative effect. It is likely that the DOF's performance in this violation is bound to raise questions and concerns among

Frank Rue

-4-

April 27, 1993

commercial fishing, sportfishing, environmental, and other interest groups about the DOF's general attitude towards consideration of other resources on forest lands and their objectivity in enforcing provisions of the Forest Practices Act.

I request your assistance in contacting the DOF and the interested legislators to set the record straight. To assist, we have responded to the individual allegations of each letter (Attachments 4, 5, and 6). I would hope that quick action can be taken to undo the damage done by Mr. Wallingford's letter and to make sure that the DOF understands their obligation as public employees to uphold the law.

Attachments

cc: E. Albert, ADF&G

ATTACHMENT 4

ADF&G COMMENTS ON WALLINGFORD LETTER TO BROWN

The purpose of this attachment is to correct the factual lapses in the March 4, 1993 memorandum written by Mr. Dave Wallingford to Ms. Dean Brown that purports to summarize a meeting between Wallingford and Jim Eleazer of the Division of Forestry (DOF) and Steve Albert and Don McKay of the Habitat and Restoration Division (H&R).

PERMIT LANGUAGE

In this section of the memo, Mr. Wallingford "felt their (Ed: reference to ADF&G) choice of wording in a number of cases was misleading to the permittee and extended their permitting authority beyond what the law intended." This accusation is entirely false. Firstly, the permittee was not misled by the permit language and, in fact, had agreed to accept the stipulations prior to issuance of the permit. Before the permit was issued, Albert discussed in great detail with Mr. Bell what stipulations would be necessary to achieve this stream crossing without any adverse effects on anadromous fish habitat. At that time Albert asked Mr. Bell if any of the proposed stipulations appeared unreasonable and could lead to future compliance difficulties. Mr. Bell acknowledged his approval. Albert once again pointed out the importance of crossing on the snow and/or frozen material and not in the open water and told Mr. Bell to call ADF&G if he encountered any problems.

Secondly, the accusation that the Department was extending its permitting authority beyond the law through this permit is also entirely without basis of fact. The permit is consistent with the statutory mandates of AS 16.05.870-895. Mr. Wallingford's time could be spent more productively by focusing more on his forestry responsibilities than trying to present himself as an expert in the interpretation of another agency's statutes.

WILDLIFE LANGUAGE

We cannot understand how the issue of wildlife language relates to the issuance of Mr. Bell's stream crossing permit. As you can see Mr. Bell's permit does not mention wildlife habitat. At the meeting with DOF, Mr. Wallingford asked staff whether AS 16.05.870 allowed the Department to address wildlife habitat within the context of a Fish Habitat Permit. McKay answered affirmatively that statutory language in AS 16.05.870(d) references the proper protection of fish and game. However, Mr. Wallingford failed to mention that McKay also stated that the Department limits its authority pursuant to AS 16.05.870 to anadromous fish. It appears to us that Mr. Wallingford's action was misleading, intentional,

and inflammatory in its own right. Wildlife habitat was never discussed with Mr. Bell (permittee) because it was not an issue with respect to his permit.

In the next paragraph, Mr. Wallingford further demonstrates his lack of experience and knowledge with respect to AS 16 when he states in his memo that ". . . no Title 16 regulations exist to clarify the Statutes further." However, our Anadromous Waters Catalog is adopted as regulation, 5 AAC 95.010(a) and contains an explanation of permit requirements.

FORD SITES

It is important to note that the so-called ford site that Mr. Wallingford references has never been formally recognized or permitted as a ford. In addition, to the best of our knowledge, we have only issued one other permit for crossing at the ford site. That permit also prohibited crossing through the open waters of the slough. It is not designated as a ford site on any state or local road map or in the Susitna Area Plan. ADNR/DOF has never asked the ADF&G to issue general permits for any ford site. Mr. Wallingford expresses his personal opinion or belief that "historic use of a ford site where permits were issued to ford the crossing have no bearing on whether the next permit will allow the permittee to ford the stream at the established crossing." We review each project individually on its own merits. We certainly do not ignore what might have previously occurred at a proposed project location. However, we focus on what the applicant is presently proposing to do in the stream. If the work can be completed safely and without adverse effects on fish habitat, a Fish Habitat Permit is issued. Otherwise, we work with the applicant and attempt to seek alternative means for completing the project. Where there is a demonstrated public need for repeated crossings of an anadromous stream at a site where impacts to anadromous fish can be minimized, the Department can issue a general permit. A good example is the Petersville Road.

There appears to be an expectation by Mr. Wallingford that damage to the fish resource is acceptable and that risk should be shared among resource users. Our interpretation of AS 16.05.870 is that it is the responsibility of the Department to determine whether a stream crossing proposal affords proper protection of fish. Whenever activities are occurring in fish habitat, there is some risk to that resource. When we issue a permit to conduct activities in a fish stream, we attempt to minimize that risk. It is our experience that it is rarely if ever necessary to trade off one resource for another in crossing streams.

The statutes do not consider the economic values of individual fish species, although most Alaskans are aware of the value of salmon. The commissioner of ADF&G specifies waters important for the

spawning, rearing, or migration of anadromous fish pursuant to AS 16.05.870(a). Those specified waters are adopted as regulation in 5 AAC 95.010(a). We are required by law to protect those waters. One fish species may represent a greater value to one segment of the population than another segment. We cannot, and do not, address those issues.

Wallingford states that "no determination of probability of fish presence is considered." Again, this remark is totally untrue. In Mr. Bell's case, as well as in all other project reviews, the presence or absence of fish and the likelihood of adverse impacts to fish habitat are the considerations in our evaluation of projects. The law requires the ADF&G to ensure that plans and specifications for activities in specified anadromous waters provide for the proper protection of fish and game.

In the second paragraph Mr. Wallingford refers to Stipulation 1 in Mr. Bell's permit where it states that "stream crossings shall be sited to utilize existing ford sites where they occur." He further alludes that this language "could lead one to believe they have a permit to ford at these sites." We do not understand what that statement means, in that the language is part of a stipulation to a permit for crossing at the fording site. When Mr. Bell initially approached Albert about the stream crossing permit and when he submitted his Fish Habitat Permit application, he indicated in both instances exactly where and which channels he wanted to cross to access his timber sale. Prior to this Albert did not know that these crossing locations were considered by some as recognized ford sites. Mr. Bell called them ford sites. Assuming that these locations had been previously used to cross the Susitna River, the intent of the language in Stipulation 1 was to direct Mr. Bell to cross only at these locations and to avoid placing other reaches of the river bed and banks, either upstream or downstream of the crossing location at risk to potential damage. There never was any intention to direct how or from where in the area above the ordinary high water (OHW) mark (so called "upland"), Mr. Bell could reach the crossing location. Mr. Bell showed the Department where he wanted to cross, described how he was planning to clear a parking area on the bank at the crossing location, and he was permitted to do exactly what he requested.

Mr. Wallingford further states that "it's difficult to understand why ADF&G, at historic fords where traffic has already compacted gravel or impacted eggs, would stipulate a bridge was necessary for limited access. This is an outright falsehood. There are no stipulations requiring installation of a bridge in Mr. Bell's permit (see attached). Mr. Wallingford's statement implies that this is a well-known crossing regularly used by hundreds of Alaskans engaged in daily commerce. In actuality it is a seasonally shallow spot that has provided occasional winter access to a portion of the Delta Islands where logging has occurred.

MITIGATION LANGUAGE

We agree with Mr. Wallingford's observation that the word "game " is included in the Title of AS 16.05.870. This word is also included in the language in subsection (d) where it suggests that the Department is responsible for the proper protection of fish and game within the stream channel below the OHW mark. This is a simple restatement of the statute. Contrary to Mr. Wallingford's suggestion, no attempt to extend departmental jurisdiction beyond the OHW mark is proposed or implied in this permit.

Mr. Wallingford's accusation that the Department will attempt to extend our jurisdictional authority beyond the OHW mark based on the statutory language, particularly the inclusion of the word "game" in subsection (d), is totally untrue. This language certainly does not constitute harassment of the permittee as Mr. Wallingford also asserted.

Mr. Wallingford seems to think that resource development is directly tied to and dependent upon the issuance of Fish Habitat Permits. We have been working with the timber industry in southcentral Alaska for many years. We challenge Mr. Wallingford to cite one instance where a timber operator has been denied a stream crossing permit. The Department has a good record of working with both big and small timber operators throughout the region. We have always been more than willing to attempt to resolve any stream crossing problems, oftentimes at great expense to the state, so that operators would be able to complete their projects on time, with minimal expenses, while simultaneously protecting fishery resources as directed by the statutes.

PROFESSIONALISM

The tone of Mr. Wallingford's memo seems to question our professionalism in this case. However, this whole situation might have been avoided if the DOF staff on site, in particular, Mr. Steve Strube had conducted themselves in a professional manner. A copy of Bell's Title 16 permit was sent to Mr. Eleazer (Strube's supervisor) at the DOF Big Lake office for their reference. When Mr. Bell was asked to show a copy of his stream crossing permit that is required to be kept onsite, he informed us that he did not have one but Mr. Strube did have a copy of the permit. Mr. Bell also stated that he had been advised by Mr. Strube to cross the stream with the blade down to remove snow from the ice surface. This was ostensibly done so the ice would freeze thicker, but this occurred during a spring thaw when daytime temperatures were near or above freezing. If Mr. Strube or Mr. Bell had read the permit, they would have noted that the crossing was to be made on "snow-packed or frozen surfaces of sufficient thickness . . . to support the weight bearing load of the vehicles."

Based on statements made by Mr. Bell to Fish and Wildlife Protection Trooper Yoder and comments to Albert, it appears that when Mr. Bell and Mr. Strube returned to the crossing site on Mr. Bell's D5 Caterpillar tractor and discovered the ice had broken up, Mr. Strube advised Mr. Bell that it would be permissible to cross back through the open water. Mr. Strube told Mr. Bell this even though Mr. Bell's permit specifically said that no open water crossings were allowed. Mr. Strube told Mr. Bell that another biologist in the past didn't consider it a problem. We do not believe this is a true statement or can be documented. However, Mr. Bell still made the final decision to cross because he didn't think there were fish or eggs present and he didn't think Albert would object to the crossing. Mr. Strube needs to be reminded that he works for the DOF as a forester whose job description and educational background do not qualify him to provide advise on fishery biology or interpret Fish and Game statutes. Mr. Strube and DOF clearly have exceeded their authority in the field. We strongly recommend that some action be taken to prevent this from occurring again.

In conclusion we believe that Mr. Wallingford has demonstrated complete ignorance and a lack of understanding the requirements of AS 16.05.870. His statements and motivation in writing this letter seems to be designed solely to focus attention away from Mr. Strube's complicity in Mr. Bell's violation of the Anadromous Fish Act, and to undermine the state's ability to protect the public interest in protecting anadromous fish streams.

MEMORANDUM

State of Alaska

TO: Steve Albert

FM: Dennis Gnath ADF&G/Habitat/Anchorage 267-2284

SUBJ: Greg Bell, Valley Sawmill DATE: February 24, 1993
Vehicle Stream Crossing

At your request, I met with Mr. Bell of Valley Sawmill on February 23, 1993 to assist him with a vehicle crossing of a side slough of the Susitna River. His proposed crossing would be accomplished using a D-5 dozer for the purpose of harvesting timber. Mr. Bell had attempted to cross at the proposed location during the previous week by removing the snow pack (in opposition to stipulation number one of Fish Habitat Permit FG 93-II-0061) and driving over the ice layer. Mr. Bell's equipment had broken through the ice, and he continued fording at this location by driving the D-5 dozer across the gravel substrate.

I surveyed the stream area Mr. Bell desired to ford and have the following observations and recommendations regarding his proposal:

1. The ice at the fording site is not of sufficient thickness to support the weight bearing load of the D-5 dozer.
2. Groundwater upwelling occurs immediately upstream and to a lesser degree downstream of the equipment ford. Combined with the suitable salmon spawning substrate observed and known chum salmon spawning in the area, I concluded that an open water crossing would impact chum spawning habitat.
3. I evaluated the area downstream of the previous crossing site. The equipment operator would have to negotiate a cut bank to access the frozen surface of the stream, and the ice beneath the snow pack would need to be of sufficient thickness to support the weight of the vehicle. I concluded that accessing the stream over the cut bank may cause streambank damage, and that the ice beneath the snow would not support the weight of the vehicle.
4. I checked the weather forecast before departing for the site inspection. The high temperature forecasted for that day was 38 degrees (F); with temperatures expected to reach 40 degrees for the next few days.

In conclusion, I was unable to locate an alternative crossing site; I recommended that the site of the previous crossing would not cause impacts to the streambanks; and that Mr. Bell should delay his plans to cross the Susitna River slough until cooler weather firms up the ice at that location. I have attached a copy of my "Field Inspection Report" for your file. If I can be of further assistance, please contact me.

Field Inspection Report

Date 2/23/93 Time 1100L

Location: (Logging unit/Road/Waterbody) Cottonwood Bypass SC-1428M
Susitna River (Stream No. 247-41-10200)
Section 1, T. 20 N., R. 5 W., S.M.

Operator/Contractor: Valley Sawmill / Greg Bell

Individuals present at time of inspection:

Name	Representing
Greg Bell	Valley Sawmill

Activity/Situation Observed: Fish Habitat Permit FG 93-II-0061 authorizes
vehicle stream crossings over snow-packed or frozen surfaces of
sufficient thickness to support the weight bearing load of the
vehicle(s) moving over them. Encountered warm, thawing conditions.
Recommended delaying crossing until cooler weather firms the
ice conditions

Pertinent Statutes/Regulations: AS 16.05.870

Recommended/Required Action (Specify): See above

By (date) _____ (if applicable)

Please note: This is not a final inspection report. It is intended to provide the operator/contractor with a notice of problems or concerns which require immediate attention. If necessary, a final inspection report will be issued at a subsequent date.

[Signature] Habitat Biol.
Fish and Game Representative/Title

[Signature]
Company Representative/Title

Attachment 5

ADF&G COMMENTS ON BELL LETTER TO LEMAN

Page 1, 3rd Paragraph

Bell estimated the water depth to be 1 foot and the width of the channel at 40 feet. Department staff estimated the water depth to be 1.5 to 2.0 feet and the width of the channel was estimated at 55 feet.

Page 1, 4th Paragraph

Bell complains that Fish Habitat Permits are nearly impossible to follow. Mr. Bell has no basis for making this statement. In FY 92 we issued 153 vehicle stream crossing permits statewide without any violations occurring. When permittees contact us when problems arise, we are usually able to work with permittees to develop feasible solutions that will allow them to complete the project. In FY92, statewide, we reviewed 1,462 Title 16 permit applications and issued 1,086 Fish Habitat and Special Area Permits. During the same period we administered approximately 25 violations, most of which involved failure to get permits.

Page 1, 6th Paragraph

Mr. Bell is complaining that it is a contradiction to require use of an existing crossing site and yet use snow ramps or bridges. Mr. Bell was directed to use the crossing site which had been previously used and to cross only at these locations to avoid placing other reaches of the river bed and bank, either upstream or downstream of the crossing location at risk to potential damage. The requirement to use snow ramps or snow bridges was included to prevent Mr. Bell's equipment from damaging the stream bed and banks. By requiring him to travel over the snow-covered ice, the intent was to reduce the ground-bearing pressure of the D5 bulldozer on stream gravels. The permit requirements are not contradictory as Mr. Bell suggests.

There is no truth to the assertion that Mr. Bell is "being singled out." We treat all applicants, applications, and violations consistently.

Page 1, Last Paragraph

Normally, the first paragraph of the permit is used to describe the project activity as proposed by the applicant. When Mr. Bell came into ADF&G to discuss his stream crossing project, he stated that he would be able to complete the crossings of all the channels without disturbing any of the vegetation or streambanks. He did mention that some vegetation (alder/willow?) would be crushed to clear out the parking area near the stream crossing location. I

informed him that action would be occurring outside of the stream channel and that ADF&G had no statutory authority to regulate what he did in that area.

Mr. Bell asks how he can use a crossing without disturbing the banks? Based on his description of the channel crossings needed to access the timber sale area, we included the language in Stipulation 2 that reads as follows: "Snow ramps or snow bridges shall be used to provide access across frozen rivers, streams, and lakes so as to preclude cutting, erosion, or degradation of their banks." At our pre-permit meeting, Mr. Bell described the shape of the other channels to be crossed as "box channels." We discussed the importance of using clean snow, "substantially free of soil and debris", to push into the channels to create ramps to protect the banks. This is a common practice in developing snow/ice roads. Over the years hundreds of other operators have used snow ramps and snow bridges to cross streams without any problems.

Page 2, 1st Paragraph

Mr. Bell states that after breaking through the ice into the stream, Mr. Strube assured Mr. Bell "that in the past the Alaska Fish and Game biologists have worked with the loggers concerning issues such as this and there had been no problems." Mr. Strube, as a state employee and supposedly having Bell's permit in hand, should not have advised Mr. Bell to break the law. He should have recognized his own limited statutory authority and advised Mr. Bell to contact ADF&G before crossing through open water. Residents of the area had no difficulty in rapidly reaching a phone to call ADF&G to complain about Mr. Bell's violation. Either Mr. Strube or Mr. Bell could have called or radioed ADF&G and avoided a violation. Mr. Strube clearly exceeded his authority and both he and Mr. Bell exercised poor judgement in making a decision to knowingly violate the law.

Page 2, 5th Paragraph

Mr. Bell raises the issue that ADF&G is "stating that there might be fish eggs in the gravel and that we might have hurt them." In our pre-permit meeting with Mr. Bell in the course of explaining why he needed a permit to cross the stream, we pointed out to him that this is a specified anadromous water body which meant that it had been specified by the commissioner of ADF&G as being important for the spawning, rearing, or migration of anadromous fish pursuant to AS 16.05.870(a). Operation of equipment in a specified waterbody requires prior authorization by the ADF&G. The purpose of the authorization is to ensure that spawning, rearing, or migration habitat is protected. In the permit we stated that "in the vicinity of the proposed crossings the Susitna River supports habitat for chinook, chum, and pink salmon for spawning, and by chinook, sockeye, and coho salmon for rearing."

Page 2. 6th Paragraph

Mr. Bell suggests that timber operators will have to go out of business because Title 16 is denying them access to timber. A review of ADF&G permitting statistics indicates that this is simply not true. The Department issues hundreds of permits to resource developers of all kinds each year without incident or violations. However, timber operators and the DOF need to plan for access! The Department has always been able to work with loggers to provide the access they need to timber and to protect fish habitat. Mr. Bell is ignoring the record and resorting to hyperbole to make some point.

Page 3. 5th Paragraph

Mr. Bell accuses the Department of not operating in good faith with DOF and goes on to say that his company is not working because of that breach of faith. When our staff contacted Mr. Bell to help him devise a way to get his equipment across the slough, he indicated that he was no longer interested. The truth is that Mr. Bell does not want to take responsibility for his own actions and is shifting the blame for his mistake on the Department. If DOF had been operating in good faith, used some of their "common sense" and followed their mandated responsibilities and authorities, the current situation might not have developed.

Page 3. Last Paragraph

Mr. Bell estimated the value of his state timber sale at \$150,000. We were informed by DOF that Mr. Bell apparently purchased an estimated 640,000 BF of timber for 10\$/1000 BF or \$6400. Which number most accurately describes the value of the sale? If the \$6400 worth of timber that Bell purchased from the state is actually worth \$150,000, then one begins to question DOF's judgement in giving away timber so cheaply and placing other valuable public resources at risk.

29 Mar 94

Representative Bill Williams, Chairman
House Resource Committee
PO BOX V
Juneau, AK 99811

Re: HB 286

Dear Representative Williams:

I attended the committee hearing today on House Bill 286 by teleconference from Anchorage. The purpose of this letter is to set the record straight regarding a statement made by Mr. Frank Rue, the ADF&G representative who misled the committee by testifying that I entered a slough of the Susitna River on the advice of another agency. When in fact I entered the slough legally under the authority of a Title 16 Permit issued by ADF&G. No other agency has the authority to permit stream crossings. It would seem to me that if I had entered the slough on the advice of another agency, which I did not, I should not have been cited.

In addition, Mr. Rue said ADF&G offered many times to work with me to cross the stream by going upstream or downstream. This is not true. A little time after I had been cited, I met with ADF&G Biologist Dennis Gnath. It appeared that about 75 feet downstream the ice was thick all the way across, and I wanted to cross there; however, Mr. Gnath said, "No," and I must stay within the corridor in which I was already established. A few days after that the weather turned warm and stayed that way.

I got an open water crossing permit on May 20th, but the water was approximately 8 feet above normal and the issuance of the permit was valueless to me.

Please consider this a request for the House Resource Committee to ask Mr. Frank Rue to name the agency and agent who allegedly advised me to enter the slough. Additionally, his "Official" account was tainted with usage of only part of the known happenings that led to this embarrassing misuse of justice by his agency. Relating only part of the truth is deceitful and fosters incompetence when used as a cover-up. I consider it a very serious matter when a ranking state official will intentionally mislead a Legislative Committee, and I believe the individual should be made accountable for his statement.

Most sincerely,

Greg Bell
Valley Sawmill, Anchorage 276-6769

Copy: Pat Ryan, Governor's Office
Duncan Fowler, Acting State Ombudsman
Troy Reinhart, AFA

Note: Please call for transmission confirmation. We consider this to be a very important matter. Thank you

1181100-1001
05/09/94

LEGISLATIVE TELECONFERENCE NETWORK

PAGE 01
13:42:52

CONF: 00578 DATE & TIME: 05/28/94 08:15 TO 10:00 STATUS:7 STATE: IN

*** ORDER SUMMARY ***

SPONSOR: DRES HOUSE RESOURCES

CHAIRN: WILLIAM

PURPOSE: PUB PUBLIC HEARING

LEGISLATIVE

CONTACT: MARY McDONELL

TEL#: (907) 465-3715

CHARTING SITE: JUNEAU

CAPITOL

CAP124

SPONSOR REMARKS (PUR): TESTIMONY IS ALLOWED

3 MINUTE LIMIT

TESTIMONY WILL BE TAKEN WITH A 3 MINUTE LIMIT.

TOP REQUESTED ON 05/28/94 AND HAS 6 UPDATES

*** AGENDA ***

- 1 HR 286 ACTIVITIES IN ANADROMOUS FISH STREAMS
- 2 HR 436 STRICTNESS OF AIR QUALITY REGS

*** PARTICIPATING LISTS ***

ANC ANCHORAGE	715 W 4TH, #200	LOCATION STAFF
EUR CORDOVA	705 2ND STREET	LOCATION STAFF
FBY FAIRBANKS	119 N CUSHMAN ST	LOCATION STAFF
JUN JUNEAU	CAPITOL	LOCATION STAFF
NAI NAIJU	135 E PARKS HWY.	LOCATION STAFF
STI SITKA	210 LAKE STREET	LOCATION STAFF
SOL BEPZOL	34824 KALITONSKY	LOCATION STAFF
VAL VALDEZ	STATE BLDG. #13	LOCATION STAFF

PARTICIPANTS IN ANCHORAGE

ANC

REN

FULLS

KENAI RIVER SPOR TSEY, HB 286

2	PO BOX 1228		SOI DOTNA	AK 99669 (907)262-8588
	GREG	SELL		TSFY, HB 286
3	2048 LINDSEY DR		ANCHORAGE	AK 99517 (907)563-3436
	CARL	LONDON		TSFY, HB 286
4	6231 OLD SEWARD HWY		ANCHORAGE	AK 99518 (907)276-0560
	PAUL	MC LAUGHLIN		TSFY, HB 286
5	4916 LASTLE CRT		ANCHORAGE	AK 99508 (907)333-5485
	JOE	MEHRMAN		TSFY, HB 286
6	2527 VASSAR DR		ANCHORAGE	AK 99508 (907)276-6852
	JEFF	PARKER	ANCH F&G ADVIS	TSFY, HB 286
7	1207 HYDER		ANCHORAGE	AK 99507 (907)274-5418
	LANCE	TRÖSKE	F&G	OBSV, HB 286
	333 RASPBERRY RD		ANCHORAGE	AK 99507 (907)267-2341

PARTICIPANTS IN:CORDOVA COR

1 MR.	DORA	HAMPEURST	CDFO	TSFY, HB 286
	PO BOX 939		CORDOVA	AK 99574 (907)424-3447

PARTICIPANTS IN:FAIRBANKS FBA

1 MR.	PAUL	HEADLEE	TCC	TSFY, HB 286
	122 1ST AVE.		FAIRBANKS	AK 99701 (907)452-9251
2 MR.	FRED	PRATT		OBSV, ALL ITEMS
	PO BOX 7288		FAIRBANKS	AK 99707 (907)600-0000

PARTICIPANTS IN:JUNEAU JNU

1 REP	BILL	WILLIAMS		TSFY, ALL ITEMS
				(907)000-0000
2 REP	ELDON	MILDER		TSFY, ALL ITEMS

STR100-RO1 LEGISLATIVE TELECONFERENCE NETWORK PAGE 02
 07/07/94 13:42:50
 TEN: 40578 DATE & TIME: 03/28/94 08:15 TO 10:00 STATUS:7 STATS. IN

PARTICIPANTS IN:JUNEAU JNU

3 REP	JEANNETTE	JAMES		AK (907)000-0000
				TSFY, ALL ITEMS
4 REP	JOE	GREEN		AK (907)000-0000
				TSFY, ALL ITEMS
5 REP	CON	BUNDE		AK (907)000-0000
				TSFY, ALL ITEMS
6 REP	BILL	HUDSON		AK (907)000-0000
				TSFY, ALL ITEMS
7 REP	DAVID	ZINDELSTEIN		AK (907)000-0000
				TSFY, ALL ITEMS
8 REP	PAI	CAMPEL		AK (907)000-0000
				TSFY, ALL ITEMS
9 REP	JOHN	DAVIES		AK (907)000-0000
				TSFY, ALL ITEMS
10	TO	OBSERVE		OBSV, ALL ITEMS
11	TO	OBSERVE		OBSV, ALL ITEMS
12	TO	OBSERVE		OBSV, ALL ITEMS
13	TO	OBSERVE		OBSV, ALL ITEMS
14	TO	OBSERVE		OBSV, ALL ITEMS
15	TO	OBSERVE		OBSV, ALL ITEMS
16	TO	OBSERVE		OBSV, ALL ITEMS
17	TO	OBSERVE		OBSV, ALL ITEMS
18	TO	OBSERVE		OBSV, ALL ITEMS
19	TO	OBSERVE		OBSV, ALL ITEMS
20	TO	OBSERVE		OBSV, ALL ITEMS
21	TO	OBSERVE		OBSV, ALL ITEMS
22	TO	OBSERVE		OBSV, ALL ITEMS
23	TO	OBSERVE		OBSV, ALL ITEMS
24	TO	OBSERVE		OBSV, ALL ITEMS

25	TO	OBSERVE	OBSV. ALL ITEMS
26	TO	OBSERVE	OBSV. ALL ITEMS
27	TO	OBSERVE	OBSV. ALL ITEMS
28	TO	OBSERVE	OBSV. ALL ITEMS
29	TO	TESTIFY	TSFY. ALL ITEMS
30	TO	TESTIFY	TSFY. ALL ITEMS
31	TO	TESTIFY	TSFY. ALL ITEMS
32	TO	TESTIFY	TSFY. ALL ITEMS
33	TO	TESTIFY	TSFY. ALL ITEMS
34	TO	TESTIFY	TSFY. ALL ITEMS
35	TO	TESTIFY	TSFY. ALL ITEMS
36	TO	TESTIFY	TSFY. ALL ITEMS

PARTICIPANTS IN: MATSU

1 MR.	TEO	SMITH	MAT	TSFY. HB 286
	PO BOX 1026		WILLOW	AK 99688 (907)495-6637
2 MR.	DAVE	CRUZ		TSFY. HB 286
	PO BOX 2027		WASILLA	AK 99645 (907)748-3144
3 MR.	STEVE	STRUBE		OBSV. HB 286
	PO BOX 521155		RIG LAKE	AK 99652 (907)892-7760

PARTICIPANTS IN: SITKA

1	DON	MULLER	SIT	TSFY. HB 436
---	-----	--------	-----	--------------

LTN1100-R01
05/09/94

LEGISLATIVE TELECONFERENCE NETWORK

PAGE 03
13:42:52

TCN: 40578 DATE & TIME: 03/28/94 09:15 TO 10:00 STATUS:7 STATS. IN

PARTICIPANTS IN: SITKA

BOX 1042	SITKA	AK 99835 (907)747-8808
----------	-------	------------------------

PARTICIPANTS IN: KEN/SOL

1 MR.	DAVID	ANDERSON	SELF	OBSV. HB 286
	PO BOX 1548		KENAI	AK 99611 (907)283-7125
2 MR.	DALE	BONDURANT	SELF	TSFY. HB 286
	HC1 BOX 1197		SOLDOTNA	AK 99669 (907)262-1691
3 MR.	ROBERT	BONDURANT	SELF	OBSV. HB 286
	HC1 BOX 1197		SOLDOTNA	AK 99669 (907)000-0000

PARTICIPANTS IN: VALDEZ

1 MR.	STAN	STEPHANS	VAL	TSFY. HB 436
	PO BOX 1297		VALDEZ	AK 99686 (907)835-4731
2 MS.	LEANN	FERRY		OBSV. HB 436
	PO BOX 633		VALDEZ	AK 99686 (907)835-5260
3 MR.	GREG	WILLIAMS	KCHU	OBSV. ALL ITEMS
	PO BOX 467		VALDEZ	AK 99686 (907)835-4667



HOUSE RESOURCES COMMITTEE

DATE: 3/28/94

PLACE: Capitol, Room 124

SUBJECT OF MEETING:
 HB 286 - Activities In Anadromous Fish Streams
 HB 436 - Strictness of Air Quality Regs.

NAME	REPRESENTING	BUSINESS/PERSONAL MAILING ADDRESS	ZIP	(H) PHONE	(W) PHONE	DO YOU WANT TO TESTIFY?		WHAT SUBJECT/ WHICH BILL?
						Y	N	
Michael Menge	DEC				5260	Y	N	HB 436
Frank Rue ✓	ADFG				4105	Y	N	HB 286
Kate Troll ✓	Southwest AK. Seiners.				787-5117	Ⓚ	N	HB 286
John George ✓	AOC	9515 MORaine Way Juneau	99801	9140	9-0172	Ⓚ	N	HB 286
Jay McClure 9148	UFA				586 2820	Ⓚ	N	HB 286
Joseph Eisner Jr.	R-P Veery	State Capital				Y	N	HB 436
Troy Reinhart ⁹⁵¹⁷	AFA	111 STEWART, #200	99901		225- 6114	Ⓚ	N	HB 286
Rick Hauber	PSPA	321 Highland Dr Juneau	99801		586- 6366	Ⓚ	N	HB 436
						Y	N	
						Y	N	
						Y	N	