

STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
Division of Mining, Land and Water

Northern Region Land Office,
Fairbanks
(907) 451-2740

Southcentral Region Land Office,
Anchorage
(907) 269-8503

Southeast Region Land Office,
Juneau
(907) 465-3400

The Department of Natural Resources, Division of Mining, Land and Water's (DMLW) regional land offices are responsible for managing state land and resources. Certain activities on state land require a land use permit, while other activities are considered "generally allowed" or require other authorizations. Commercial recreation facilities that remain no longer than 14 days in any one site may obtain a commercial recreation permit rather than a land use permit. Additional information and forms are available online or at any Division of Mining, Land and Water regional land office and the Public Information Centers in Anchorage and Fairbanks. The following text describes information that is required to be filled out by applicants for your application to be considered complete.

Land Use Permits:

- Authorize the temporary use of state land or resources;
- can be issued for up to five years;
- do not convey any interest in state land;
- are revocable with or without cause;
- are not transferable; and
- do not constitute waiver of any other state, federal, or local laws.

Complete Land Use Permit Application Packages include the following documents:

- A Land Use Permit application form completed and signed by the applicant;
- A completed Supplemental Questionnaire for Use of State-Owned Uplands if the use or activity includes use of state-owned uplands - **including a Site Development Diagram**;
- A completed Supplemental Questionnaire for Off-Road Travel if the use or activity includes travel by or with means that exceed those that are generally allowed; and/or
- A completed Supplemental Questionnaire for Use of State-Owned Waters (Shorelands, Tidelands, and Submerged Lands) if the use or activity includes uses on tide and submerged lands below the mean high tide line in marine environments or uses on state-owned shorelands below the ordinary high-water line in freshwater environments - **including a Site Development Diagram**.
- A Site Development Diagram showing each item labeled so that it corresponds with your description in the Questionnaire. The Site Development Diagram must include:
 - **Location** - Section, Township, and Range lines; North arrow; scale; title; and include a legend (these items may be attached if necessary).
 - **Boundaries** - Boundaries and dimensions of proposed area of use and their relation to geographic features, including water bodies, and existing trails or rights-of-way.
 - **Structures and Storage** - Location and dimensions of buildings, tent platforms, out-buildings and other improvements, and of equipment parking and storage areas, including snow storage areas.
 - **Hazardous substances** - Location and dimensions of storage facilities for hazardous substances, including but not limited to oil, lubricants, fuel oil, gasoline, solvents, and diesel fuel. Include method and dimensions of storage (tank, drum, etc.).

Other items that must accompany the application package include:

- **Map** - a topographic map or aerial photo of sufficient scale to show the location of the proposed activity.
- **Filing Fees** - A non-refundable filing fee required by regulation (11 AAC 05.010(5)(B)). See the current Director's Fee Order for applicable fees. Make checks payable to the "State of Alaska".
- **Other Miscellaneous Items:** Items specifically identified and required in any of the supplemental questionnaires.

Completed Land Use Permit Applications must be submitted electronically to an email address below or mailed to one of the following offices closest to the proposed use or activity on state lands:

Northern Region Land Office
3700 Airport Way
Fairbanks, AK 99709-4699
(907) 451-2740
nro.lands@alaska.gov

Southcentral Region Land Office
550 West 7th Ave, Suite 900C
Anchorage, AK 99501-3577
(907) 269-8503
dnr.scro.permitting@alaska.gov

Southeast Region Land Office
P. O. Box 111020
Juneau, AK 99811-1020
(907) 465-3400
sero@alaska.gov

Statewide TTY – 771 for Alaska Relay or 1-800-770-8973

Prior to issuance of a permit, an applicant is required to submit one or more of the following:

- **Use Fees** - The use fee depends on the type of activity, length of use and the acreage authorized for use. See the current Director's Fee Order or contact your regional office for applicable fees.
- **Performance Guaranty (Bond)** - A performance guaranty is held by the state to incentivize performance and to pay for corrective action if the use of state land fails to comply with the requirements of the permit. Acceptable types of performance guaranties include:
 - cash or check made out to the State of Alaska;
 - a Certificate of Deposit (CD) in the state's name; or
 - a corporate surety bond.
- **Insurance** – Proof of insurance to protect you and the state from liabilities incurred through the use of state land.
- **Survey and Location** - Surveys are generally not required for land use permits. Many authorizations require a Global Positioning System (GPS) to determine the location of the project. If we determine a survey is required, we will contact you.

ONLY COMPLETE APPLICATIONS WILL BE ACCEPTED

STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES
Division of Mining, Land and Water

LAND USE PERMIT APPLICATION

AS 38.05.850

Applicants must complete all sections of this application. In addition, applicants proposing:

- the use of the uplands must also complete the Supplemental Questionnaire for Use of State-Owned Uplands accompanying this application;
- off-road travel must also complete the Supplemental Questionnaire for Off-Road Travel accompanying this application; and/or
- the use of shorelands, tidelands, and submerged lands must also complete the Supplemental Questionnaire for Use of State-Owned Waters accompanying this application.

Other items that must accompany the completed application are:

- a (non-refundable) application fee; see current Director's Fee Order or contact your regional office for applicable fees;
- a topographic map or aerial photo showing the location of the proposed activity;
- additional items identified and required in any supplemental questionnaire(s) to this application; and
- additional pages if more space is necessary to answer the questions completely.

Completed Land Use Permit Applications should be submitted electronically or mailed to one of the following offices:

Northern Region Land Office
3700 Airport Way
Fairbanks, AK 99709-4699
(907) 451-2740
nro.lands@alaska.gov

Southcentral Region Land Office
550 West 7th Ave, Suite 900C
Anchorage, AK 99501-3577
(907) 269-8503
dnr.scro.permitting@alaska.gov

Southeast Region Land Office
P. O. Box 111020
Juneau, AK 99811-1020
(907) 465-3400
sero@alaska.gov

Statewide TTY – 771 for Alaska Relay or 1-800-770-8973

LAS # _____

(Applicant please provide if known)

Applicant Information:

Name: Great Northwest Inc

Doing Business As: _____

Mailing Address: P.O. Box 74646
Fairbanks AK 99707

Email Address: Dwasankari@grtnw.com

Date of Birth: _____

Business License #: 31651

EIN: [REDACTED]

Contact Person: Dahlton Wasankari

Home Phone: 907-452-5617

Work Phone: 907-452-5617

Cell Phone: [REDACTED]

Fax: _____

LAS #: _____

If you are applying for a corporation, give the following information:

Name, address and place of incorporation:

Great Northwest Inc. 2975 Van Horn Rd. Fairbanks AK 99709

Is the corporation qualified to do business in Alaska? Yes ☒ No ☐

If yes, provide name, address and phone number of the resident agent:

Lori McCarter, 2975 Van Horn Rd. Fairbanks Alaska

Type of User (Select One): ☐ Private non-commercial (personal use) ☐ Commercial Recreation or Tourism
☐ Public Non-profit including Federal, State, Municipal Government Agency ☒ Other commercial or industrial

Duration of Project: The proposed activity will require the use of state land for: (Check one)

☐ A single term of less than one year. Beginning month: _____ Ending month: _____
☒ A multi year term for up to 5 years. Beginning year: 2026 Ending year: 2031

If multi year and seasonal, mark months of use in each year.

☒ Jan, ☒ Feb, ☒ Mar, ☒ Apr, ☒ May, ☒ Jun, ☒ Jul, ☒ Aug, ☒ Sept, ☒ Oct, ☒ Nov, ☒ Dec

Project Location:

Latitude/Longitude or UTM: UTM Zone 6 7,075,784N 607,870E _____ or

Section: 15 Township: T13S Range: R15E Meridian: FM _____

Section: _____ Township: _____ Range: _____ Meridian: _____

Proposed project will require the use of up to 10 _____ acres.

(Please add additional sheets for this section as necessary)

LAS #: _____

Project Description: Describe in detail your intended use of state land. (State land also includes all tide and submerged lands beneath coastal waters and all shorelands beneath other navigable waterbodies of the state.) Discuss development and activities. (Attach additional pages as necessary.)

The Little Gerstle Pit (South side of Alaska Highway section of pit) will be utilized as a contractor/AKDOT&PF field office and camping location in support of the Johnson River Bridge project. The Johnson River Bridge Replacement project (phase 1) is anticipated to be completed by 2029, however the current plan is to transition to into the Gerstle River Bridge replacement (phase 2) upon completion of the first phase. For this, we are requesting the maximum term of 5 years for this camp, as it will be utilized for both phases.

The use of this land would involve RV parking for up to 60 workers, AKDOT&PF Field Offices and Field Lab, Contractor field offices, water well, septic system and leach field, electrical power drop from adjacent power line.

Camp- we would install a DEC approved septic and leech system, and DEC approved water well.

Field Offices/Lab- AKDOT&PF require their office have running water and bathrooms, therefore they will be tied into the camp sewer and water lines.

No permanent structures will be built on this land with exception of water well and septic system, which can be removed if required upon termination of permit.

Should a portion of the permitted area be closed to the general public? Yes ☒ No ☐.

If yes, explain which portion and provide justification for exclusive use.

This pit is already closed to the general public. Both approaches are guarded by locked gates.

Site Description: Briefly describe the current condition of the proposed site of use, noting any trash, garbage, debris or signs of possible site contamination. (If significant, we recommend you provide pictures to establish initial conditions.)

The site appears to have recently been mined for gravel with a small pile of gravel sitting near the entrance. A portion of the pit has been previously cleared, but small brush and trees have grown back. No trash or debris was found on our site visit.

LAS #: _____

Are there improvements or materials on the site now? Yes ☒ No ☐ If yes, briefly describe the improvements, their approximate value, and who owns them. (We recommend you provide pictures of improvements.)

The only material on site is a small pile of gravel that is owned by AKDOT&PF.

Describe the natural vegetation – ground cover, trees, shrubs – and any proposed changes. Describe the location of any estuarine, riparian, or wetlands and any noticeable animal use of area.

Parts of the pit that were previously cleared consist of young trees and brush, areas that will need to be cleared for the camp area appear to be a mix of spruce trees.

We propose clearing vegetation and stripping organics to a gravel base that support operations.

Site Access: Describe how you plan to access the site, and your mode of transportation.

There is an existing approach into the site off the Alaska Highway

If your access is by aircraft, specify the type and size of aircraft:

N/A

To access the site, the aircraft is equipped with floats ☐ wheels ☐ skis ☐.

Number of people:

1. Indicate the number of employees and supervisors who will be working on the site. 60
2. Indicate the number of customers who will be using the site per year or season. 0
3. Indicate the number of days the site will be used per year or season. 365

LAS #: _____

Environmental Risk / Hazardous Substances: In the course of your proposed activity will you generate, use, store, transport, dispose of, or otherwise come in contact with toxic and/or hazardous materials, and/or hydrocarbons?

Yes ☒ No ☐ . If yes, please describe:

Human waste which will be leached per an approved DEC septic tank and leach field.
Diesel and Gasoline storage.

The types and volumes of fuel or other hazardous substances present or proposed:

The septic system is not engineered yet, but I would assume two 5,000 gallon buried septic tank.
18k gal Diesel storage tank
5k gal Gasoline storage tank
Petroleum based lubricants

The specific storage location(s):

This is to be determined, but will be within the limits of our site.

The spill plan and prevention methods:

Diesel and gasoline tanks are double walled storage tanks. Duck ponds/ containments will be during fueling operations.
Petroleum based lubricants will be stored within a DEC approved containment liner.

If you plan to use either above or below ground storage containers (like tanks, drums, or other containers) for hazardous material storage, answer the following questions for each container:

Where will the container be located?

Below Ground Septic Tank
Above Ground Double Wall Fuel Tanks

What will be stored in the container?

Septic Tank-Human waste
Above Ground Double Wall Tanks- Diesel and Gasoline Fuel

What will be the container's size in gallons? Est 10,000 septic, 18,000 diesel, 5,000 gasoline

LAS #: _____

Give a description of any secondary containment structure, including volume in gallons, the type of lining material, and configuration:

N/A

Will the container be tested for leaks? Yes ☒ No ☐.

Will the container be equipped with leak detection devices? Yes ☐ No ☒. If no, describe:

Do you have any reason to suspect, or do you know if the site may have been previously contaminated?

Yes ☐ No ☒. If yes, please explain:

Dahlton Wasankari

Signature of Applicant or Authorized Representative

Project Manager

Title

07/29/2026

Date

This form must be filled out completely and submitted with the applicable fees. Failure to do so will result in a delay in processing your permit. AS 38.05.035(a) authorizes the director to decide what information is needed to process an application for the sale or use of state land and resources. This information is made a part of the state public land records and becomes public information under AS 40.25.110 and 40.25.120 (unless the information qualifies for confidentiality under AS 38.05.035(a)(8) and confidentiality is requested, AS 43.05.230, or AS 45.48). Public information is open to inspection by you or any member of the public. A person who is the subject of the information may challenge its accuracy or completeness under AS 44.99.310, by giving a written description of the challenged information, the changes needed to correct it, and a name and address where the person can be reached. False statements made in an application for a benefit are punishable under AS 11.56.210.

In submitting this form, the applicant certifies that he or she has not changed the original text of the form or any attached documents provided by the Division. In submitting this form, the applicant agrees with the Department to use "electronic" means to conduct "transactions" (as those terms are used in the Uniform Electronic Transactions Act, AS 09.80.010 – AS 09.80.195) that relate to this form and that the Department need not retain the original paper form of this record: the department may retain this record as an electronic record and destroy the original.

For Department Use Only
Application received date stamp

Receipt Type: ☐ 7A ☐ RR ☐ FF

LAS #: _____

LAND USE PERMIT APPLICATION SUPPLEMENTAL QUESTIONNAIRE FOR: Use of State-Owned Uplands

To be completed to provide more detailed information about projects or activities requiring the use of state-owned uplands. All site development details identified in this section must be represented graphically in the scaled drawings on Page 6 of the supplement.

Temporary Structures

1) Describe all temporary improvements (including buildings, tent platforms, out-buildings, docks, floats, and floating facilities), including dimensions and building materials. 2) Label improvements to be maintained on a year round basis as year round. **Note:** Seasonal improvements must be completely dismantled and removed or stored on or before the end of authorized terms of use.

All structures (Field Offices and Field Labs) are mobile units and will be maintained year round.

Water Well and Septic System to be installed and maintained year round.

Distance structures including pit privies will be located from the ordinary highwater mark of the nearest freshwater body (lake, stream, river, etc.), or the mean high water mark of a saltwater body: N/A

Harvest of Non-Timber Related Forest Products

Please list the type and quantity of each non-timber related forest product (berries, ferns, willow, mushrooms, birch bark, etc.) to be harvested for commercial use:

N/A

Contact the DNR Division of Forestry to obtain authorizations for the harvest of small trees.

Motorized Equipment

List mechanized/motorized equipment to be used, including type, size, purpose, and number of each.

Employee/DOT Pickup Trucks for transportation

ATV's may be stored on site for recreational use

Boats may be stored on site for recreational use

Heavy Machinery for land development i.e. Dozers, mulchers, graders, excavators, articulated haul units.

For stream and waterbody crossings, note who you contacted in the ADF&G, Division of Habitat:

Date: _____ Person: n/A

LAS # _____

Land Use Permit Application Supplemental Questionnaire for
Use of State-Owned Uplands – Form 102-1084D (Rev 09/21)

Storage and Parking

If you plan to store items or park boats, vehicles and/or heavy equipment on the site, complete the following:

Describe and give dimensions of long term and short-term parking and or storage areas:

They may be parked in any area of the proposed site. Approx 1100'x500'

Is parking and storage planned to take place on filled tidelands? Yes ☐ No ☒

Does storage involve structures or materials floating in a waterbody? Yes ☐ No ☒

If yes, please complete the Supplemental Questionnaire for the Use of State-Owned Waters (Shorelands, Tidelands & Submerged Lands).

Number of disassembled tent frames N/A Number of tent platforms N/A

List and describe items that are large and difficult to transport. Include dimensions:

N/A

Will barrel(s) or an equivalent type of container be used? Yes ☐ No ☐

If using something other than barrels for storage containers, describe the alternative container.

Describe any measures you plan to take to minimize drips or spills from leaking vehicles or equipment.

LAS # _____

Land Use Permit Application Supplemental Questionnaire for
Use of State-Owned Uplands – Form 102-1084D (Rev 09/21)

Page 2 of 6

Water / Wastewater

Water Supply: Describe the water supply and proposed use.

A water well will be installed to supply water to campers and offices for general use.

Wastewater: Describe the wastewater type and quantity and proposed method of wastewater disposal: (for the marine environment, also describe the proposed gray and black water systems or out fall pipeline.

Gray and blackwater will be plumbed into a septic system

Waste: Describe the types of waste that will be generated on-site, including solid waste, the source of the waste, and the method of waste disposal, i.e. pit privy, or self-contained system, or outfall line; indicate distance from the nearest waterbody.

Human and solid waste will be generated.

Human waste will be disposed in a DEC approved septic system

Solid waste will be held in dumpsters and taken to the landfill by the dumpster owners.

Animal Use

Will there be any use of animals (horses, llamas, dogs, etc.)? **Yes** ☒ **No** ☐

Will there be commercial use of the animals (horseback rides, packing, dog sled rides, etc.)? **Yes** ☐ **No** ☒

If yes, please explain:

Employees may have dogs onsite

Dismantle, Removal, Restoration Plan

Provide a plan for dismantling and removing temporary structures. Include method and timeline for total site restoration:

All units and any trash will be removed from the site. The site will be graded and any erodible material will be graded to drain and trackwalked and seeded.

No revegetation efforts will occur on self contained areas of the pit that would be used for future mining of the material site.

Short Term (Portable) Commercial Recreation Camps

Identify commercial recreation activity/activities for which short term (portable) camps will be established to accommodate employees and clients, and provide a general description of the location(s) (e.g. guide use area, game management sub-unit, river, stream, lake, etc.) where the recreational activity/activities and short term (portable) camp use will occur.

☐ **Big Game Guiding (List up to 3 Guide Use Areas).**

☐ **Sportfishing (List river corridors, lakes, etc.).**

☐ **Boating/Rafting/Kayaking (List river corridors, lakes, etc.).**

LAS # _____

Land Use Permit Application Supplemental Questionnaire for
Use of State-Owned Uplands – Form 102-1084D (Rev 09/21)

Page 4 of 6

☐ **Other Recreation (Type and general geographic description).**

RV camper parking onsite.

Identify any State of Alaska Refuge, Sanctuary and/or Critical Habitat Area where short term (portable) camps will be used.

Will activities include "day use" of state land managed under the Haines State Forest Management Plan? Yes ☐ No ☐

This form must be filled out completely and submitted with the applicable fees. Failure to do so will result in a delay in processing your permit. AS 38.05.035(a) authorizes the director to decide what information is needed to process an application for the sale or use of state land and resources. This information is made a part of the state public land records and becomes public information under AS 40.25.110 and 40.25.120 (unless the information qualifies for confidentiality under AS 38.05.035(a)(8) and confidentiality is requested or AS 45.48). Public information is open to inspection by you or any member of the public. A person who is the subject of the information may challenge its accuracy or completeness under AS 40.25.310, by giving a written description of the challenged information, the changes needed to correct it, and a name and address where the person can be reached. False statements made in an application for a benefit are punishable under AS 11.56.210.

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LAS # _____

Land Use Permit Application Supplemental Questionnaire for
Use of State-Owned Uplands – Form 102-1084D (Rev 09/21)

Page 5 of 6

Site Development Diagram

	VICINITY MAP										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Date Prepared:</td> <td style="width: 70%;">Applicant's Name:</td> </tr> <tr> <td colspan="2" style="text-align: center;"> Alaska Department of Natural Resources Division of Mining, Land & Water Land Use Permit </td> </tr> <tr> <td colspan="2" style="text-align: center;">Site Development Diagram</td> </tr> <tr> <td>Sec(s) _____</td> <td>T _____ R _____ M _____</td> </tr> <tr> <td>Sheet of </td> <td>LAS # _____</td> </tr> </table>		Date Prepared:	Applicant's Name:	Alaska Department of Natural Resources Division of Mining, Land & Water Land Use Permit		Site Development Diagram		Sec(s) _____	T _____ R _____ M _____	Sheet of	LAS # _____
Date Prepared:	Applicant's Name:										
Alaska Department of Natural Resources Division of Mining, Land & Water Land Use Permit											
Site Development Diagram											
Sec(s) _____	T _____ R _____ M _____										
Sheet of	LAS # _____										

LAS # _____

Page 6 of 6

MP 1389 Alaska Highway

Write a description for your map.

Legend

 Feature 1



Google Earth

Image © 2026 Airbus



1000 ft

Site Development Diagram

VICINITY MAP



Date Prepared: 7/29/2026	Applicant's Name: Great Northwest Inc
Alaska Department of Natural Resources Division of Mining, Land & Water Land Use Permit	
Site Development Diagram	
Sec(s) <u>15</u>	T <u>13S</u> R <u>R15E</u> M <u>FM</u>
Sheet <u>1</u> of <u>1</u>	LAS # _____

MP 1389 Alaska Highway

Write a description for your map.

Legend

Feature 1

Leach Field, to be DEC approved design

Sewer Line

Fuel and Lube Storage Location

Material Berm

DOT and Contractor Offices Approx 600'x500'

500x500' Camp Pad

50' Buffer from Utility

Approx Well Location

Google Earth

Image © 2025 Airbus

900 ft



STATEWIDE MATERIAL SITE INVENTORY

MATERIAL SITE INSPECTION REPORT

**Federal Project No. STP-000S(530)
AKSAS Project No. 76174**

ALASKA HIGHWAY

**MS 62-3-073-2
Little Gerstle River Pit**

August 28, 2007

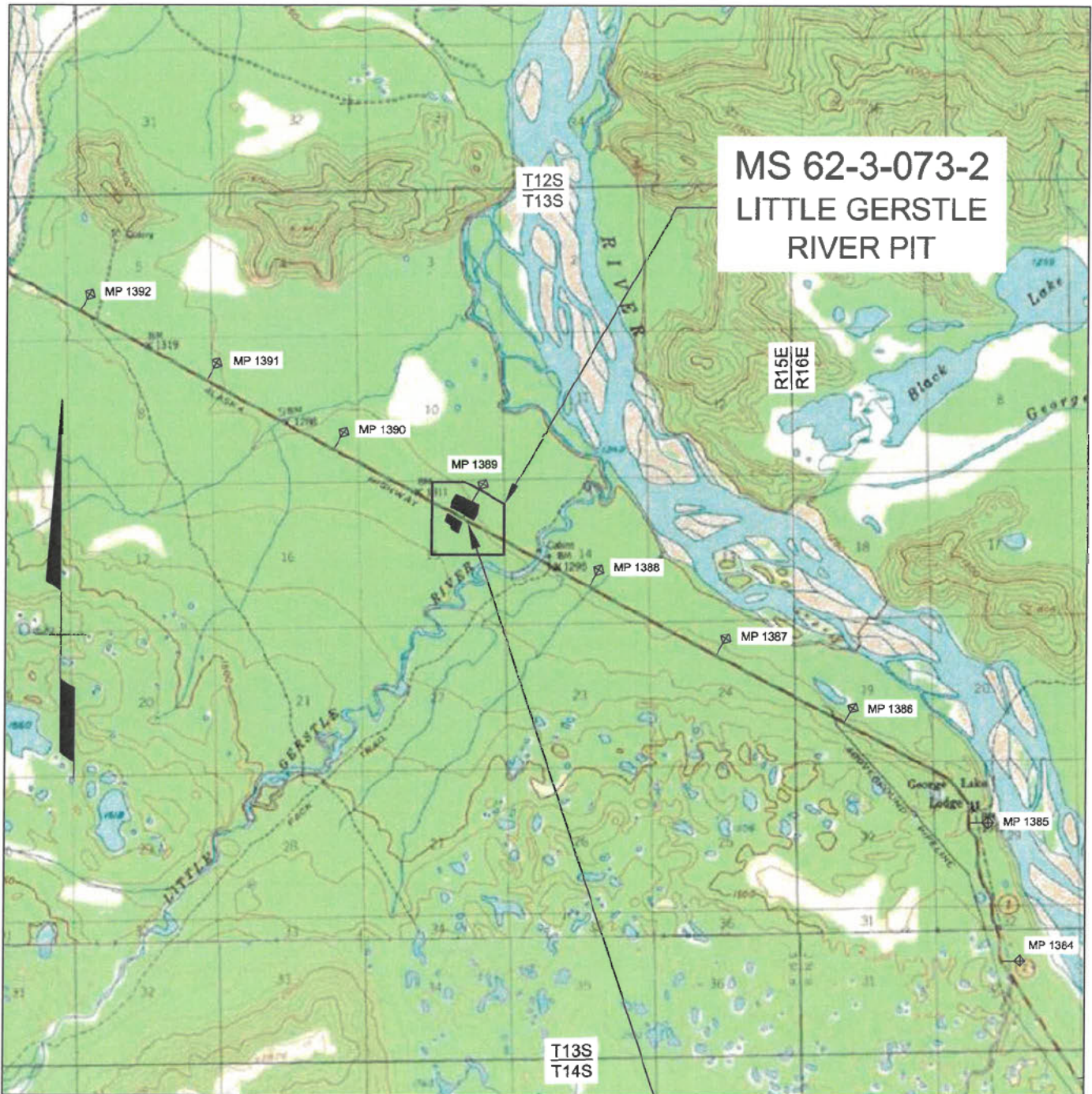
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SITE MAP	3
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CATEGORY:

ACTIVE - OPEN

According to information in the Northern Region Material Site files on July 20, 2007, this site lies on State of Alaska lands managed by DNR. The material sale contract for MS 62-3-073-2 expires on December 21, 2007. This site appears to contain significant quantities of material and further consideration is warranted.

LOCATION MAP



U.S.G.S. QUADRANGLE: MT. HAYES (C-2 & D-2)

GPS COORDINATES FROM GOOGLE EARTH

UTM (WGS84-METERS)

ZONE 6: N7,075,784 E607,870

AK STATE PLANE (NAD83-US SURVEY FT)

ZONE 3: N3,580,328 E1,832,763

ACTIVE - OPEN



GRAPHIC SCALE IN MILES

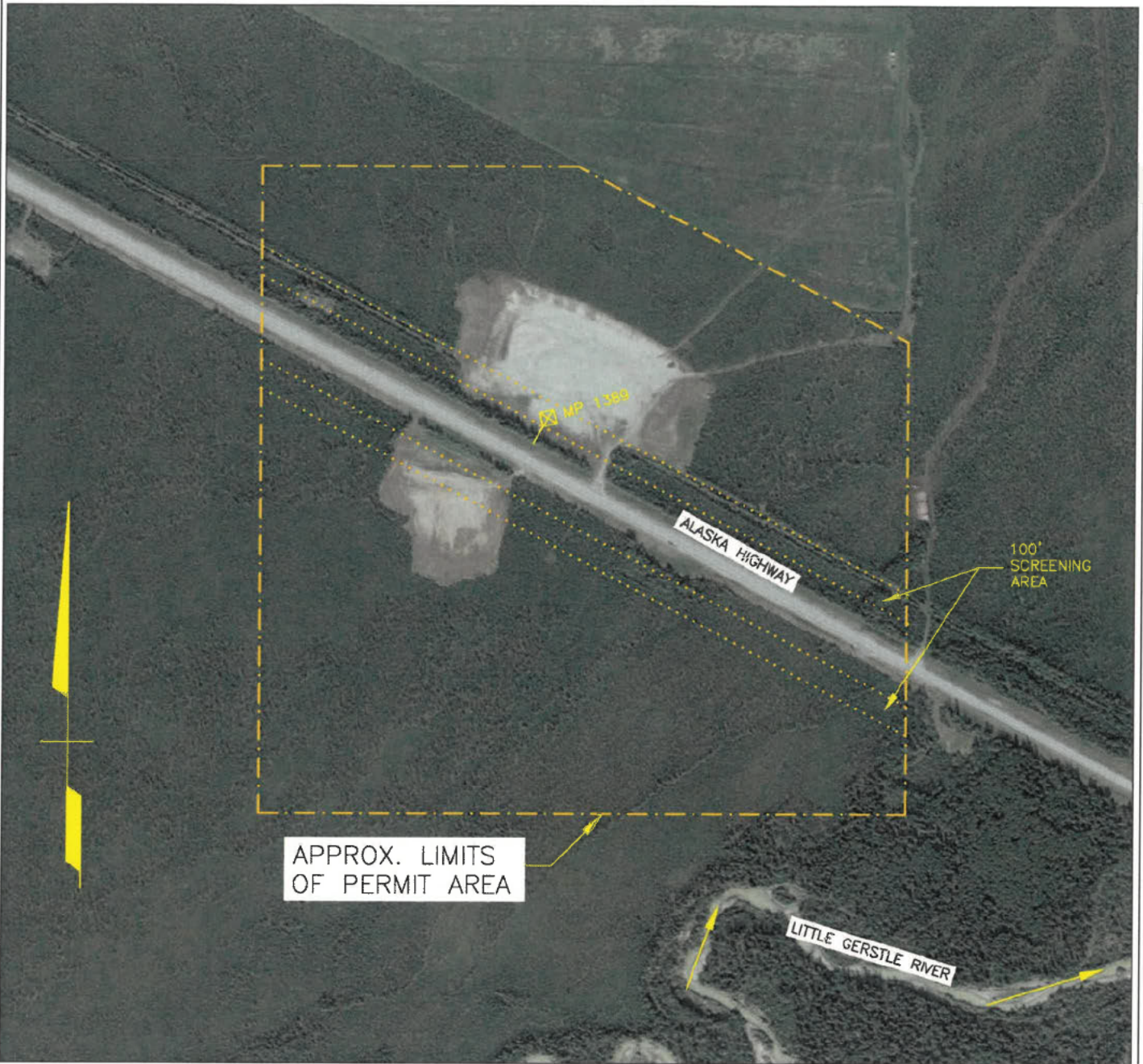
BASE MAP CREATED WITH TERRAIN NAVIGATOR PRO

Prepared By:
R&M CONSULTANTS, INC.

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
STATEWIDE MATERIAL SITE INVENTORY			
MS 62-3-073-2			
SCALE AS SHOWN	DESIGNED P.K.H.	DRAWN P.K.H.	PAGE 2
	CHECKED C.H.R.	DATE MAY 2007	

project\1443.01\087-MS 62-3-073-2\MS 62-3-073-2 Topo Map, 1=1, 10/05/07 at 15:26 by pkh

SITE MAP



BASE MAP IS 2005 SATELLITE PHOTOGRAPHY.
THIS IS A PLANNING DOCUMENT ONLY. THE MATERIAL SITE BOUNDARIES SHOWN
ON THIS DRAWING ARE APPROXIMATE. OWNERSHIP OF THE LANDS ADJACENT TO
THIS SITE ARE UNKNOWN. THE ACCESS ROW SHOULD BE VERIFIED.

ACTIVE - OPEN



GRAPHIC SCALE IN FEET

BASE MAP FROM GOOGLE EARTH PRO 8/13/07

Prepared By:
R&M CONSULTANTS, INC.

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
STATEWIDE MATERIAL SITE INVENTORY			
MS 62-3-073-2			
SCALE AS SHOWN	DRAWN P.K.H.	CHECKED C.H.R.	DATE AUG. 2007
			PAGE 3

project\1443.01\087-MS 62-3-073-2\MS 62-3-073-2 Site Map, 1=1, 10/05/07 at 13:45 by pkh

**STATEWIDE MATERIAL SITE INVENTORY
MATERIAL SITE INSPECTION FORM**

THIS REPORT IS BASED ON A REVIEW OF EXISTING DATA AND BRIEF FIELD INSPECTIONS. THUS THE DATA CONTAINED HEREIN SHOULD BE CONSIDERED PRELIMINARY AND USED FOR PLANNING PURPOSES ONLY. USERS OF THIS DATA SHOULD VERIFY THE INFORMATION PRIOR TO USING IT FOR DESIGN OR CONSTRUCTION PURPOSES.

**IF OTHER IS SELECTED FOR A SECTION, EXPLAIN IT IN SECTION 44. NOTES.
IF AN ANSWER IS UNKNOWN SELECT "UNKNOWN" OR LEAVE BLANK**

1. **MS_ID** 62-3-073-2

Enter the full material site number e.g.. 65-9-045-2

2. **DATE_INSPECT**

8/28/2007

Date of field inspection

3. **FLD INSPEC_ORG**

AARON BANKS / R&M CONSULTANTS

Name of inspector / Organization or Company

4. **REGION**

NORTHERN

5. **LOCATION**

ALASKA HIGHWAY

Name of Highway

Enter Name of Facility or Secondary Route Name
(i.e. Kotzebue Airport, Nash Road, etc.)

6. **MILEPOST**

1389

List the closest main highway milepost

7. **NAME**

LITTLE GERSTLE RIVER PIT

Enter commonly used name (s), e.g. Hess pit, Gobblers Knob, Midway. List all that apply separated by commas.

8. **MAINT_DIST/STAT**

District

INTERIOR

Station

TOK

Highway Maintenance District and Station, for locations not on highways select other.

9. **QUAD**

MT. HAYES

D-2

U.S.G.S. Quad. Map

10. **TOWNSHIP
/RANGE**

T#S R#E

T13S R15E

Meridian

FM

Section

15

11. **COOR_UTM**

ZONE

6

NORTHING

7,075,784

EASTING

607,870

UTM WGS84 - Meters

12. **COOR_STATE_PLANE**

ZONE

3

NORTHING

3,580,328

EASTING

1,832,763

Alaska State Plane NAD83 - Survey Feet

13. **BOROUGH**

TAX ID NO.

14. **DNR LAND_USE_PLAN**

UPPER TANANA BASIN PLAN

15. **CATEGORY**

(To be filled in the office)

15a. **CLASSIFICATION**

ACTIVE

15b. **STATUS**

OPEN

STATEWIDE MATERIAL SITE INVENTORY MATERIAL SITE INSPECTION FORM

16. **POTENTIAL_STATUS** SIGNIFICANT

Estimated quantity of material in the site at the time of inspection.

NONE	There appeared to be no useable material in the site.
LIMITED	There appeared to be less than 25,000 c.y. available within the developed site.
SIGNIFICANT	There appeared to be greater than 25,000 c.y. available within the developed site.
EXPANDABLE	There was limited material within the developed site, but there appeared to be significant material outside existing site limits.
UNDEVELOPED	The pit has not been mined (used only for new sites).
CLOSED	There may be useable material left in the pit but it is not available.
UNKNOWN	
OTHER	The site does not fit any of the categories above. Explain in Section 44, Notes.

17. **PRESENT_USERS**

17a. **PRESENT_USER_1** DOT&PF MAINTENANCE

17b. **PRESENT_USER_2** _____

17c. **PRESENT_USER_3** _____

18. **PERMITTED_ACREAGE** 127

Area within site permit or R.O.W. boundaries, from permit application or property plat.

19. **DEVELOPED_ACREAGE** 14

Area within an existing pit, excluding spoil berms lying outside the pit, access roads etc. Explain below.

Includes acreage in existing pits outside the vegetative screens, and access roads outside of the highway right-of-way. It would be closer to 18 acres if area in right-of-way and inside vegetative screens were included.

20. **ACREAGE_COMP_METHOD** FROM MAP/PHOTO

Method used to determine developed acreage.

21. **EST_QUAN_AVAIL** 1,200,000 ROUGH ESTIMATE

Estimated quantity available (b.c.y.), may be based on acreage computed above plus expansion area.

Explain computation assumptions and calculations below.

The site covers about 98.2 acres outside the screening and right-of-way areas (40.3 acres north of highway and 57.9 acres south of highway). Approx. 10.4 acres has been developed north of the highway and 3.6 acres to the south. There is an average of two feet of overburden over the site. Assuming the waste berms are moved there is about 112,000 c.y. in the developed areas (14 acres x 8 feet x 1,000 c.y. per acre-foot). Assuming a 15-foot working depth and 2 feet of overburden there is approx. 1,092,000 c.y. of material available in the undeveloped parts of the site (84 acres x 13 feet x 1,000 c.y. per acre-foot). It may be possible to deepen the site but there is no geotechnical information available below 15 feet in depth.

**STATEWIDE MATERIAL SITE INVENTORY
MATERIAL SITE INSPECTION FORM**

22. **ACCESS_TYPE** _____

EXISTING ROAD / OPEN

NONE

EXISTING ROAD / OPEN

EXISTING ROAD / REVEG

EXISTING ROAD / CLOSED W/BERMS

EXISTING ACCESS / REMOVED

SNOW ROAD

ICE ROAD

BARGE

OTHER

No access road has been built.

Drivable. May have gate.

Can be reopened with little effort.

Can be reopened with little effort.

Can be reopened with much effort.

Can only be accessed during winter.

Requires crossing river or lake ice in the winter.

Material can only be moved by barge.

The site does not fit any of the categories above. Describe in Section 44, Notes.

23. **ACCESS_LENGTH** _____

300

Approx. length from edge of pit to highway/secondary route (ft.)

24. **VEGETATION**

Undisturbed portions of the site consist of dense stunted black spruce. In areas previously cleared, second growth willow and aspen to 20 ft. high by 6 in. diameter dominate.

25. **TYPE_1** _____

BORROW PIT

26. **TYPE_2** _____

Dominant type

Subordinate type

General Types of Materials Available

Enter data in Type_2 only if two types of material site available

QUARRY

Bedrock sources requiring blasting

BORROW PIT

Soils or soft bedrock (rippable), above water table

BAILING

Requires production below the water table

RIVER BAR

Sand/gravel bars in active channels

27. **OB_CLASS_1** _____

<3 FT.

28. **OB_CLASS_2** _____

<3 FT.

New Site or expansion Area

Existing Pit (Spoil)

A site may have both. Data should be based on actual subsurface exploration, otherwise unknown.

Estimated average depth over the area.

NONE

3 TO 6 FT.

UNKNOWN

<3 FT.

>6 FT.

OTHER

29. **OB_TYPE_1** _____

SILT

30. **OB_TYPE_2** _____

SPOIL

New Site or expansion Area

Existing Pit (Spoil)

A site may have both.

SILT

PEAT

SOLID WASTE

OTHER

COLLUVIUM

SPOIL

UNKNOWN

**STATEWIDE MATERIAL SITE INVENTORY
MATERIAL SITE INSPECTION FORM**

31. MAT_TYPE_1 Dominant type	FLUVIAL	32. MAT_TYPE_2 Subordinate type
BEDROCK WEATHER. BEDROCK FLUVIAL GLACIAL COLLUVIAL EOLIAN SILT	Bedrock sources requiring blasting Bedrock sources requiring ripping Water deposited sand and gravel, includes glaciofluvial Glacial till Talus slopes, etc. Sand Dunes, etc. Silt deposits, loess, fluvial, etc.	

33. PERMAFROST_1 New Site or Expansion Area	UNKNOWN
34. PERMAFROST_2 Existing Site DETECTED IN MOST TEST HOLES DETECTED IN SOME TEST HOLES DETECTED IN IMMEDIATE VICINITY DETECTED IN NO TEST HOLES DATA OUTDATED UNKNOWN OTHER	UNKNOWN

35. GROUNDWATER	No evidence of groundwater or ponding was observed to depths of approximately 15 ft.
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STATEWIDE MATERIAL SITE INVENTORY

MATERIAL SITE INSPECTION FORM

36. LITHOLOGY_1

Dominant type

ALLUVIAL

37. LITHOLOGY_2

Subordinate type

IGNEOUS ROCK

Undifferentiated Igneous Rocks

GRANITIC

Granite/Monzonite/Granodiorite

DIORITE/GABBRO

Diorite/Gabbro

BASALT

Dark colored fine-grained Igneous Rocks

GREENSTONE

Altered Volcanic Rocks w/green tint

METAMORPHIC ROCK

Undifferentiated Metamorphic Rocks

SCHIST/PHYLLITE

Includes rocks ranging from slate to schist

GNEISS

Includes hard schistose rocks

MARBLE

CATACLASTIC

Incl. Valdez Formation Rocks, Kenai Penn.

MÉLANGE

Incl. McHugh Formation Rocks, Kenai Penn.

SEDIMENTARY ROCK

Undifferentiated Sedimentary Rocks

CONGLOMERATE

SANDSTONE

Includes greywacke, etc.

SHALE/MUDSTONE

LIMESTONE

FLUVIAL

River and stream deposits (floodplain), includes outwash.

ALLUVIAL

Alluvial / Debris Fan deposits

GLACIOFLUVIAL

Eskers, kames, etc.

GLACIAL

Till

COLLUVIAL

Talus, etc.

EOLIAN

Sand Dunes, etc.

SILT

Loess, fluvial silts, etc.

OTHER

Explain in Section 44.

38. MATERIAL_CLASSIFICATION

ASTM Classification, generally they should range from coarse to fine.

38a.

GW

38c.

GW-GM

38e.

38g.

38b.

GP

38d.

GP-GM

38f.

38h.

STATEWIDE MATERIAL SITE INVENTORY

MATERIAL SITE INSPECTION FORM

39. COBBLES AND BOULDERS

Test Boring Callout / ASTM Classification, either a. or b. and c. (Can use ranges i.e. 0 to 20)

39a.	CONTAINS			
39b.	Est. % by VOL.	10		(Est. From Visual Observations)
39c.	MAX. SIZE (in.)	36		(Observed Size)

40. AGG TEST RESULTS

Year of test or report- Test result / Year of test or report- Test Results

40a. SG APP COARSE	
40b. SG APP FINE	
40c. ABSORPTION CRSE	
40d. ABSORPTION FINE	
40e. NORDIC ABRASION	
40f. L.A. ABRASION	
40g. DEGRADATION (T-13)	
40h. NASO4 LOSS COARSE	
40i. NASO4 LOSS FINE	

41. POTENTIAL_USABILITY

CRUSHED PRODUCTS PRODUCED

Best known potential use of the material, based on records, exploration and laboratory data.

CONCRETE AGGREGATE PRODUCED	The site has produced concrete aggregate
PAVING AGGREGATE PRODUCED	The site has produced paving aggregate
CRUSHED PRODUCTS PRODUCED	Base, Surface Coarse, Subbase, etc. has been produced.
TYPE A AND B MATERIAL AVAILABLE	0 to 10 percent passing 200
TYPE C AVAILABLE	Compactable material
TYPE C NOT AVAILABLE	Uncompactable material (Lower Kuskokwim and Yukon River, etc.)
UNKNOWN	
OTHER	Explain in Section 44.

42. SPECIAL_PROBLEMS

Special problems encountered or anticipated with use of the material, based on records, exploration and laboratory data.

ORGANIC CONTENT	The material is very difficult to compact.
HIGHLY WEATHERED GRAVEL	The gravel is highly weathered and may break down when handled.
BREAKS DOWN UNDER USE	Material breaks down on grade.
SENSITIVE TO WATER CONTENT	Material is sensitive to water content, i.e.. some glacial tills, soft bedrock.
VARIABLE MATERIAL	Deposit contains mixture of suitable and unsuitable material.
POSSIBLE CONTAMINATION	Site may be contaminated by petroleum products or hazardous materials.
UNKNOWN	
OTHER	Explain in Section 44, Notes.

**STATEWIDE MATERIAL SITE INVENTORY
MATERIAL SITE INSPECTION FORM**

43. RIPRAP

NOT POSSIBLE

Class II or larger. Does not include production for erosion control riprap for ditches or culverts.

PREVIOUS PRODUCTION

There is a record of production.

POSSIBLE FURTHER INVESTIGATION NEEDED

The site is a bedrock quarry containing hard rock

NOT POSSIBLE

The site has soft rock or soil.

UNKNOWN

OTHER

Explain in Section 44, Notes.

44. NOTES

Note number of item being discussed.

39c. The vast majority of cobbles and boulder average less than approximately 12 inches in diameter.

27. Overburden depths greater than 4 ft. were observed in isolated areas, however, average overburden depth is estimated to be less than 3 ft.