A L A S K A

2014-000270-0

Recording District 308 Chitina

05/14/2014 12:52 PM Page 1 of 5

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES **QUITCLAIM DEED**	**PROJECT NAME: NABESNA ROAD** **STATE PROJECT #:** **FEDERAL-AID PROJECT #: S-0880(1)** **PARCEL #'S:**

The GRANTOR, Margaret M. Scott, whose mailing address is 205 Fort Edward Road, Fort Edward, New York, 12828, for and in consideration of Mutual Benefit, conveys and quitclaims to the GRANTEE, STATE OF ALASKA, DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES, whose mailing address is 2301 Peger Road, Fairbanks, Alaska 99709, all rights, title, and interest, if any, which it has or may hereinafter acquire in the following-described real estate, located in the State of Alaska:

A tract of land situate in Government Lots 1 and 6 and the North 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Northeast 1/4 of surveyed Section 30, Township 11 North, Range 8 East, Copper River Meridian, Third Judicial District, Chitina Recording District, State of Alaska, and being more particularly described as follows:

(Intent: The purpose of the following description is to identify the residual land interests remaining in the ownership of Margaret M. Scott. The lands were vested in the Scotts according to the Warranty Deed between Betty Lou Freed and Henry L. and Margaret Scott recorded in Book 13, Pages 363-364 in the Chitina Recording District on January 27, 1982 hereinafter referred to as the "Scott Deed". The Scotts subsequently conveyed fee title for several parcels out of the "Scott Deed" to individual private parties. The remaining Scott lands are to be conveyed to the State of Alaska as a result of the following encumbrances or development constraints:

- State of Alaska Material Site right-of-way for MS 46-1-007-5, according to the Bureau of Land Management Right-of-Way Grant No. A067438 recorded in Book 6, Pages 312-318 in the Chitina Recording District on August 3, 1966 and hereafter referred to as "MS 46-1-007-5";
- State of Alaska highway right-of-way for the Nabesna Road, according to the Bureau of Land Management Right-of-Way Grant No. A067455 recorded in Book 6, Pages 333-350 in the Chitina Recording District on August 3, 1966 and hereafter referred to as the "Nabesna Road right-of-way";
- A triangular remnant parcel within the North 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Northeast 1/4 of surveyed Section 30 lying between the westerly boundary of MS 46-1-007-5 and the northerly Nabesna Road right-of-way.

The bearings, distances and areas for this description are based on composite data and were developed from the unrecorded subdivision prepared for the Scotts on July 29, 1989 that was used as the basis for the conveyances to Rickman and Garber as noted in the following description; the right-of-way plans for Project S-0880(1), Mile 0 – Mile 2, Nabesna Road; the BLM right-of-way grant for MS 46-1-007-5; and the BLM Township plat for T.11N., R.8E., C.R.M approved June 21, 1974.)

Commencing at Corner 1, U.S. Survey No. 4842;

Thence, West a distance of 254.13 feet more or less to the Nabesna Road right-of-way centerline;

Thence N 50°58'00" W along said centerline a distance of 686.30 feet to the southwest corner of the parcel conveyed from Henry and Margaret Scott to H.T. Rickman and Ruth A. Hanson-Rickman by Warranty Deed recorded in Book 40, Page 341 on February 25, 1994 in the Chitina Recording District and the TRUE POINT OF BEGINNING;

Thence North along the westerly line of the Rickman parcel a distance of 258.63 feet to the southeast corner of State of Alaska Material Site MS 46-1-007-5;

Thence N 21°28'19" E along the common boundary between the Rickman parcel and MS 46-1-007-5 a distance of 95.50 feet to the northerly corner of the Rickman parcel;

Thence continuing N 21°28'19" E along the easterly boundary of MS 46-1-007-5 a distance of 272.15 feet to the southwesterly corner of the parcel conveyed from Henry and Margaret Scott to Arthur W. Garber or Michael W. Garber by Warranty Deed recorded in Book 48, Page 876 on August 5, 1997 in the Chitina Recording District;

Thence North along the westerly boundary of the Garber parcel a distance of 314.00 feet to the northerly boundary of Government Lot 1 and the northwest corner of the Garber parcel;

Thence West along the northerly boundary of Government Lot 1 a distance of 450.86 feet to the northwest corner of Government Lot 1 and the northeast corner of the North 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Northeast 1/4 of surveyed Section 30;

Thence continuing West along northerly boundary of the North 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Northeast 1/4 of surveyed Section 30 a distance of 660.00 feet to the northwest corner of the North 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Northeast 1/4 of surveyed Section 30;

Thence South along the westerly boundary of the North 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Northeast 1/4 of surveyed Section 30 a distance of 330.00 feet to the southwest corner of the North 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Northeast 1/4 of surveyed Section 30;

Thence East along the southerly boundary of the North 1/2 of the Southeast 1/4 of the Northwest 1/4 of the Northeast 1/4 of surveyed Section 30 a distance of 660.00 feet to the westerly boundary of Government Lot 1;

CERTIFICATE OF ACCEPTANCE

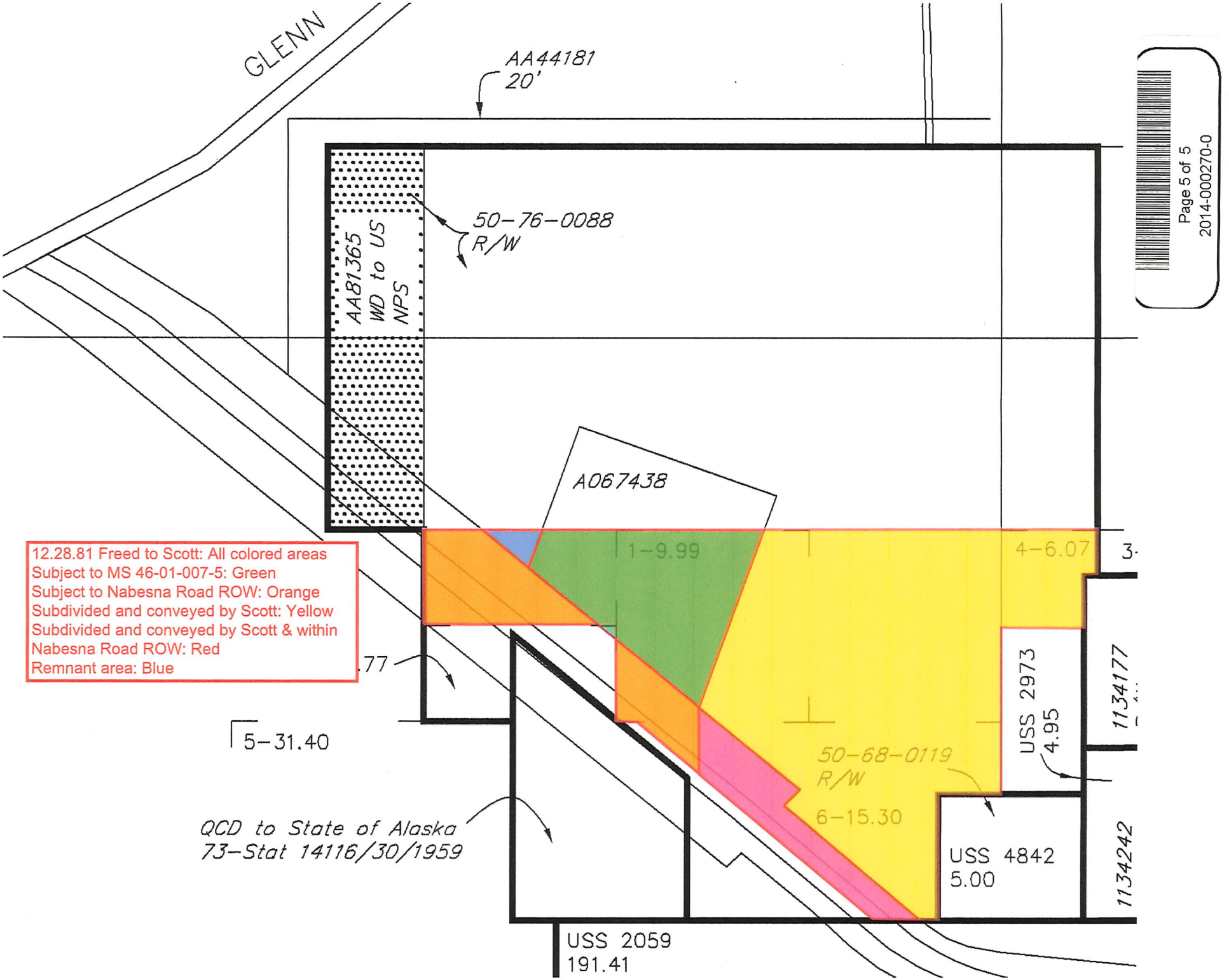
THIS IS TO CERTIFY that the STATE OF ALASKA, DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES, Grantee herein, acting by and through its Commissioner, hereby accepts for public purposes the real property, or interest therein, described in this instrument and consents to the recordation thereof.

IN WITNESS WHEREOF, I have hereunto set my hand this 29th day of April, 2014.

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

By: _____
For the Commissioner

Filed for Record at the Request of and Return to:
State of Alaska
DOT&PF – Right of Way Dept.
2301 Peger Road, MS 2553
Fairbanks, AK 99709-5399
State Business-No Charge



Sullivan, Joe P (DOT)

From: Hoffman, John R (DOT)
Sent: Tuesday, September 03, 2013 2:48 PM
To: Bennett, John F (DOT); Sakalaskas, Jason (DOT); Potter, Steve B (DOT)
Cc: Sullivan, Joe P (DOT)
Subject: RE: Slana Pit MS 46-1-007-5 Nabesna Road

There is none that I know of but I will check with my station Foreman.

From: Bennett, John F (DOT)
Sent: Tuesday, September 03, 2013 12:47 PM
To: Hoffman, John R (DOT); Sakalaskas, Jason (DOT); Potter, Steve B (DOT)
Cc: Sullivan, Joe P (DOT)
Subject: RE: Slana Pit MS 46-1-007-5 Nabesna Road

John, do we have any knowledge of any contamination or similar problems that would suggest that we shouldn't increase our interest? This is one of the primary reasons why we have to sign an "acceptance" certificate on a deed so the public doesn't become the dumping ground for problem properties. JohnB

From: Hoffman, John R (DOT)
Sent: Tuesday, September 03, 2013 10:07 AM
To: Bennett, John F (DOT); Sakalaskas, Jason (DOT); Potter, Steve B (DOT)
Cc: Sullivan, Joe P (DOT)
Subject: RE: Slana Pit MS 46-1-007-5 Nabesna Road

If they are willing to give us title to this land than I think we should accept. This would actually give us more freedom to use 'as we see fit' than the grant does.

From: Bennett, John F (DOT)
Sent: Tuesday, September 03, 2013 9:37 AM
To: Hoffman, John R (DOT); Sakalaskas, Jason (DOT); Potter, Steve B (DOT)
Cc: Sullivan, Joe P (DOT)
Subject: Slana Pit MS 46-1-007-5 Nabesna Road

I was contacted by Carrie Sullivan last Friday. She is the daughter of Henry Scott who owned a lot of the land surrounding the Slana pit. He is no longer alive and his wife now lives in the lower '48. They have since sold off all of their land except the parcel that would be subject to our federal material site grant. It is of no value to them and they believe it may be more of a liability. They are interested in conveying fee title to us as a donation just to divest themselves of title. We have had a variety of legal problems with this pit over the years with DOT trespassing outside of the MS boundaries, others trespassing into our MS and people arguing that we don't' have rights to the material. The federal material site grant is solid but clearly fee title would be more so. Can any of you see reasons why we should not take them up on their offer.

We would have to spend some time going through the title and deeds where Scott has sold off other parcels of land so we can figure out how to write a legal description for what remains. Given that his sales were likely done without benefit of survey, it is possible that the result will be that a fee conveyance from Scott will only account for a portion of the material site grant and that the underlying fee for other portions of the MS have been conveyed to others. What that means is that we would own fee in most (hopefully) of the site and still have just the federal material site grant in the remainder. Let me know what you think. JohnB

STATEWIDE MATERIAL SITE INVENTORY

MATERIAL SITE INSPECTION REPORT

Federal Project No. STP-000S(823)
AKSAS Project No. 76149

TOK CUTOFF HIGHWAY

MS 46-1-007-5
Camp Pit

April 13, 2014

CONTENTS PAGE

CATEGORY:

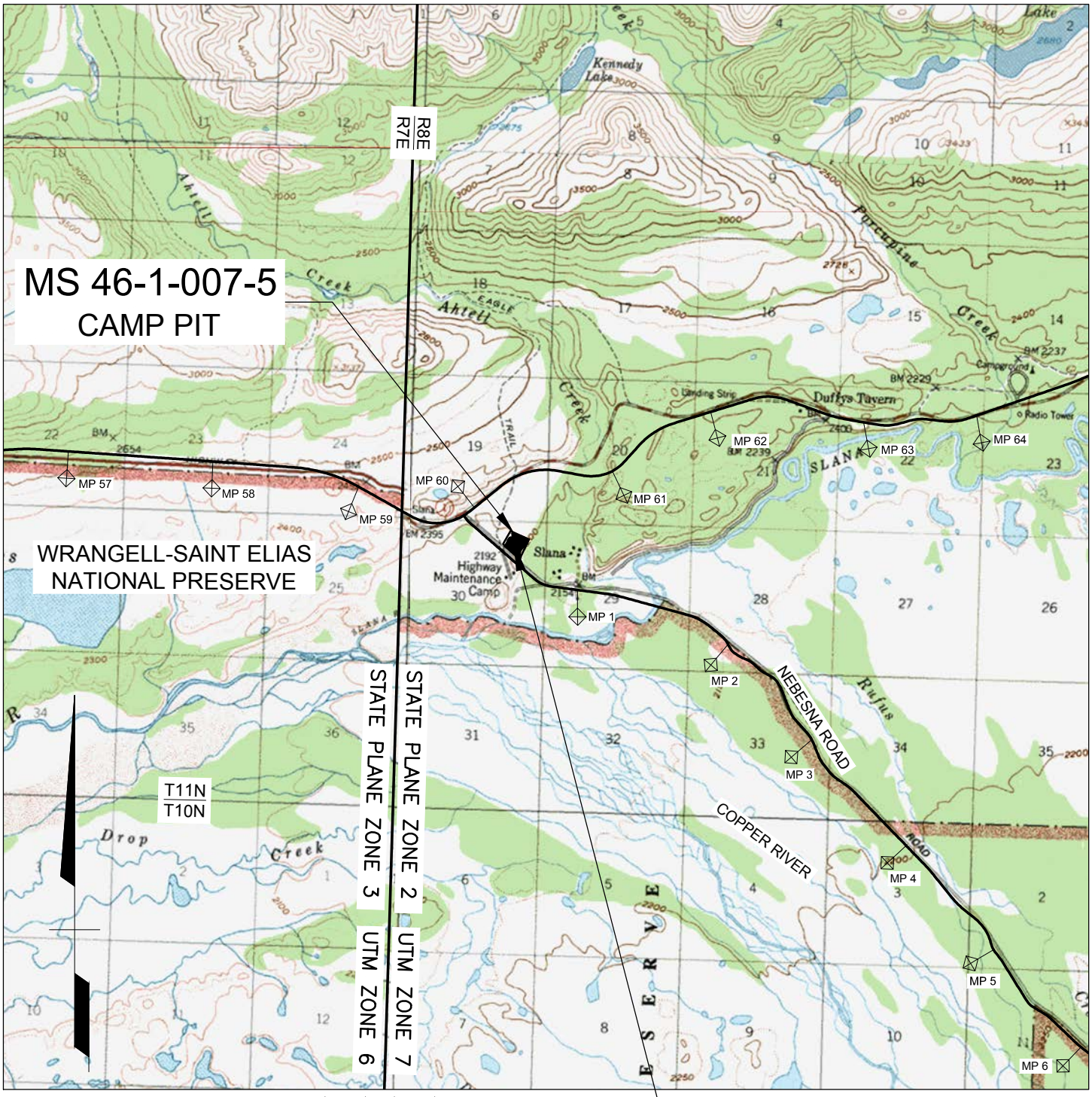
ACTIVE – OPEN

According to information found in the DOT&PF EDMS system in January 2009 and BLM and DNR case abstracts, this site lies on private land but is still managed by BLM.

An indefinite right-of-way grant (A-67438) was issued to DOT&PF for the site in 1966 by BLM. Betty Lou Freed filed for a homestead entry in 1967 (AA-2064) which was patented in 1975 (PA 50-76-0088). The patent was subject to the material site right-of-way. The management and ownership of the site was in contention in the 1970's and 80's.

The site adjoins the Tok Cutoff Highway right-of-way and access is directly from the edge of the right-of-way. The site appears to contain significant quantities of sand and gravel and should be retained by DOT&PF for future use.

LOCATION MAP



U.S.G.S. QUADRANGLE: GULKANA (C–1), (D–1), NEBESNA (C–6), & (D–6)

GPS COORDINATES FROM GOOGLE EARTH

UTM (WGS84–METERS)
ZONE 7: N 6,956,851 E 347,729
AK STATE PLANE (NAD83–US SURVEY FT)
ZONE 2: N 3,187,839 E 1,308,475

ACTIVE - OPEN

0 0.5 1 2 3

GRAPHIC SCALE IN MILES

BASE MAP CREATED WITH TERRAIN NAVIGATOR PRO

Prepared By:
R&M CONSULTANTS, INC.

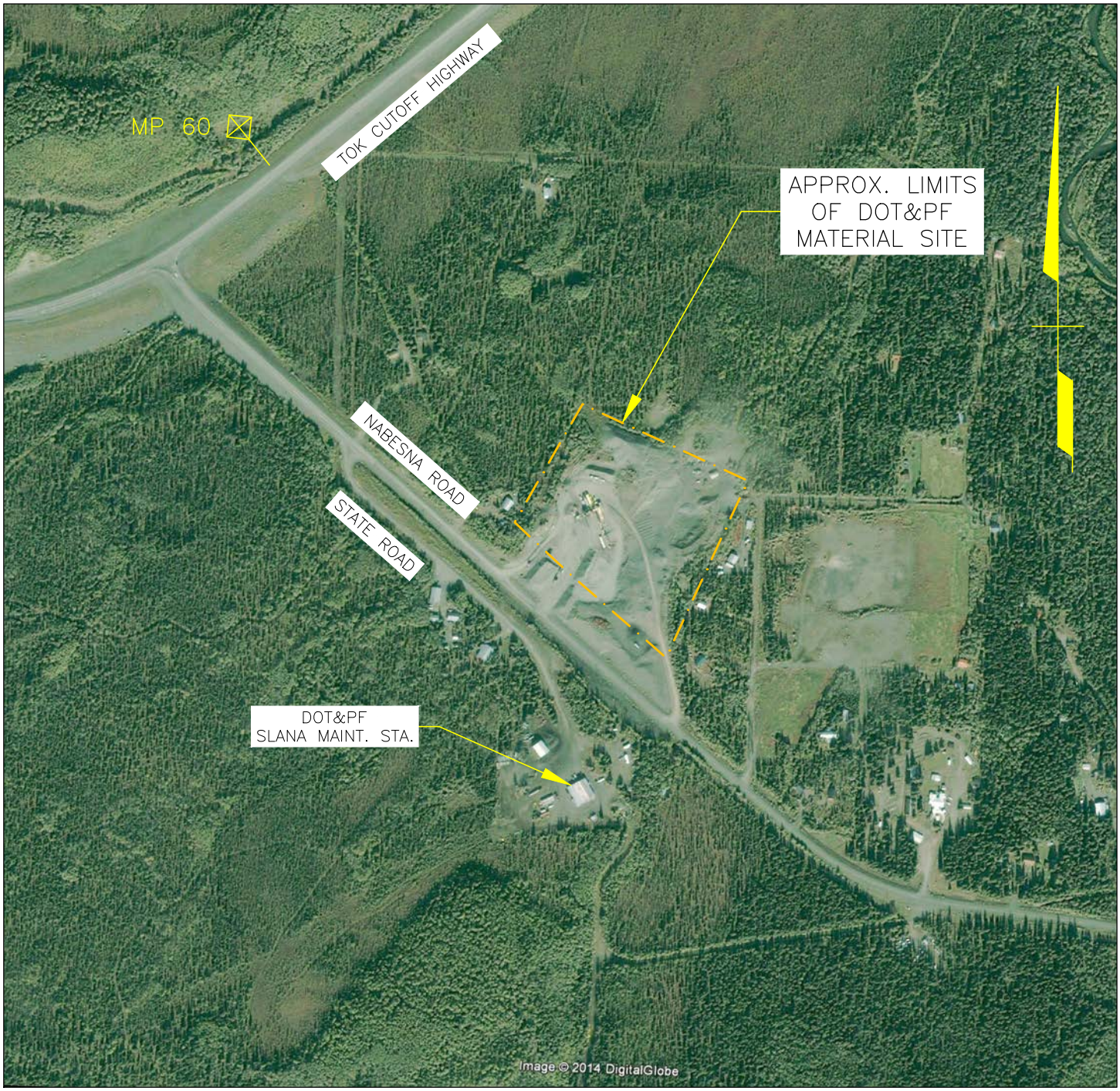
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

STATEWIDE MATERIAL SITE INVENTORY
MS 46-1-007-5

SCALE	DESIGNED	DRAWN		PAGE
AS SHOWN	K.G.T	K.G.T		2
	CHECKED C.H.R.	DATE JAN. 2014		

Plotted 7/11/2015 12:45 PM by Pete Hardcastle
Z:\project\1443.03\46_Tok_Cutoff_Highway\MS 46-1-007-5-A\acad\MS_Topo_Map_46-1-007-5.dwg

SITE MAP



BASE MAP IS AUGUST 29, 2006 DIGITALGLOBE SATELLITE IMAGERY.
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

0 300 600 1200 1800

GRAPHIC SCALE IN FEET

BASE MAP FROM GOOGLE EARTH PRO 1/12/14

Prepared By:
R&M CONSULTANTS, INC.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

STATEWIDE MATERIAL SITE INVENTORY

MS 46-1-007-5

SCALE	DESIGNED	DRAWN		
AS SHOWN	K.G.T	K.G.T	PAGE	3A
	CHECKED C.H.R.	DATE JAN. 2014		

Plotted 7/11/2015 12:42 PM by Pete Hardcastle
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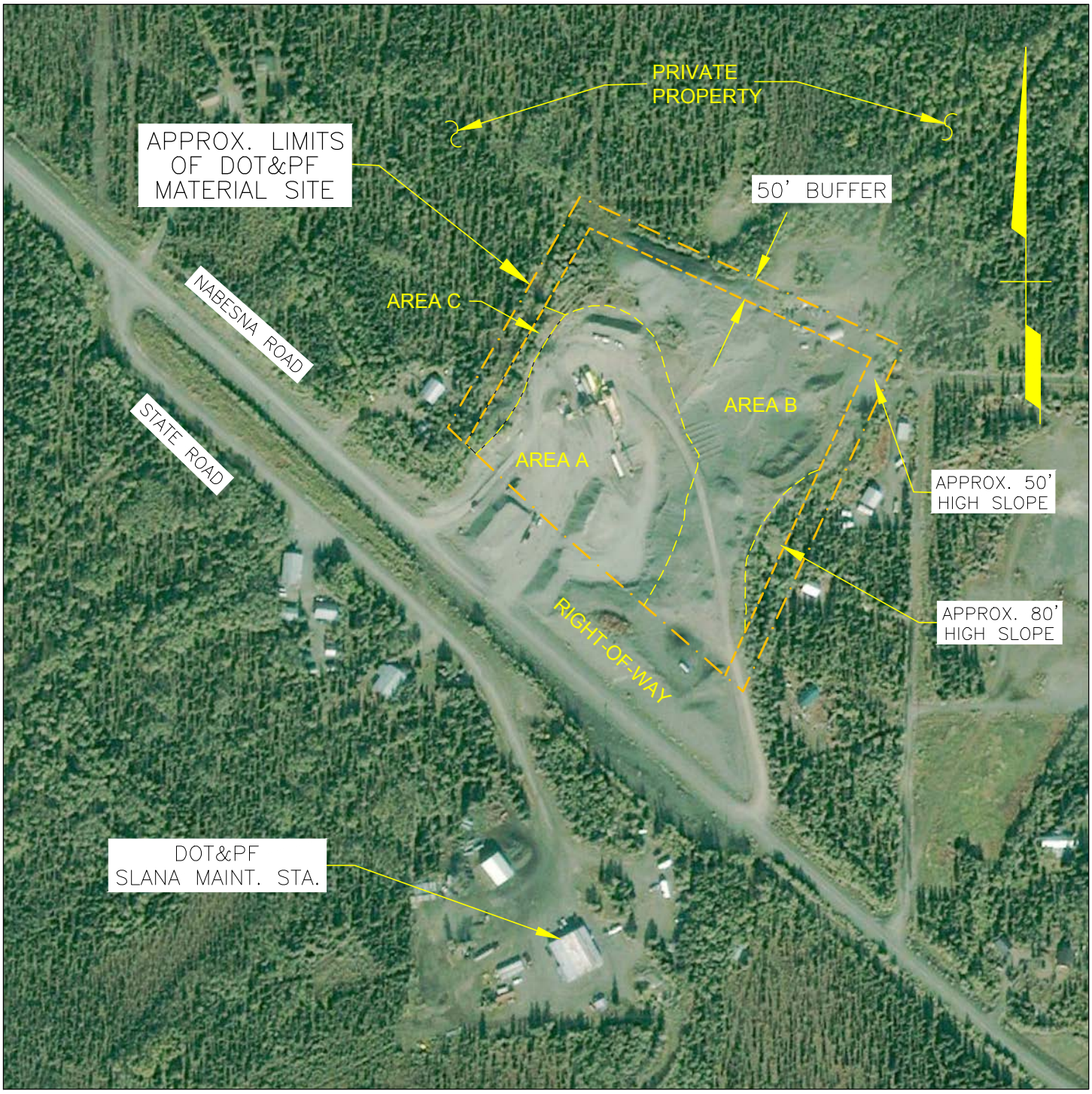
SITE MAP



BASE MAP IS AUGUST 29, 2006 DIGITALGLOBE SATELLITE IMAGERY.
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

0 150 300 600 900

GRAPHIC SCALE IN FEET

BASE MAP FROM GOOGLE EARTH PRO 1/12/14

Prepared By:
R&M CONSULTANTS, INC.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

STATEWIDE MATERIAL SITE INVENTORY

MS 46-1-007-5

SCALE	DESIGNED	DRAWN		
AS SHOWN	K.G.T	K.G.T		PAGE 3B
	CHECKED C.H.R.	DATE JAN. 2014		

Plotted 7/11/2015 12:43 PM by Pete Hardcastle
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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** **46-1-007-5**
   Enter the full material site number e.g.. 31-3-045-2
2. **DATE_INSPECT** 7/14/2014
   Date of field inspection
3. **FLD INSPEC_ORG** KYLE THERRIEN / R&M CONSULTANTS
   Name of inspector / Organization or Company

4. **REGION** NORTHERN
5. **LOCATION** TOK CUTOFF HIGHWAY (Name of Highway) NABESNA ROAD (Enter Name of Facility or Secondary Route Name (i.e.Kotzebue Airport, Nash Road, etc.)
6. **MILEPOST** 60
   List the closest main highway milepost
7. **NAME** CAMP 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 TAZLINA Station SLANA
   Highway Maintenance District and Station, for locations not on highways select other.
9. **QUAD** NEBESNA C-6
   U.S.G.S. Quad. Map
10. **TOWNSHIP/RANGE** T#S R#E T11N R8E & Meridian CRM
    Section 30
11. **COOR_UTM**
    ZONE 7
    NORTHING 6,956,851
    EASTING 347,729
    UTM WGS84 - **Meters**
12. **COOR_STATE_PLANE**
    ZONE 2
    NORTHING 3,187,839
    EASTING 1,308,475
    Alaska State Plane NAD83 - **Survey Feet**
13. **BOROUGH/CITY** UNORGANIZED **TAX ID NO.** NA
14. **DNR_LAND_USE_PLAN** COPPER RIVER BASIN AREA 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/explored (used only for proposed 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 CONSTRUCTION

17b. **PRESENT_USER_2** DOT&PF MAINTENANCE

17c. **PRESENT_USER_3**

18. **PERMITTED _ACREAGE** 11.8

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

19. **DEVELOPED_ACREAGE** 8.7

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

Includes the existing pit within the site limits.

20. **ACREAGE_COMP_METHOD** FROM MAP/PHOTO

Method used to determine developed acreage.

21. **EST_QUAN_AVAIL** 230,000 ROUGH ESTIMATE

Estimated quantity available (b.c.y.), may be based on acreage computed above plus expansion area. Explain computation assumptions and calculations below.

Area	Area A	Area B	West Side of Site (Area C)
Acres	3.8	4.9	0.3
Est. Depth (ft.)	10	40	
Factor (b.c.y. / acre-foot)	1,000	1,000	
Est. Quant. (c.y.)	38,000	196,000	

Estimated quantity assumes the average working depth of the existing pit (Area A) can be mined an additional 10 ft. Estimated quantity in Area B assumes an average working depth of 40 ft. The west side of the site (Area C) has been excluded due to its proximity to the private property and steep relief of 20 to 28 ft. above the pit floor. A 50 ft. buffer is maintained along adjoining private property on three sides of the site.

STATEWIDE MATERIAL SITE INVENTORY
MATERIAL SITE INSPECTION FORM

22. **ACCESS_TYPE** EXISTING ROAD / OPEN

NONE	No access road has been built.
EXISTING ROAD / OPEN	Drivable. May have gate.
EXISTING ROAD / REVEG	Can be reopened with little effort.
EXISTING ROAD / CLOSED W/BERMS	Can be reopened with little effort.
EXISTING ACCESS / REMOVED	Can be reopened with much effort.
SNOW ROAD	Can only be accessed during winter.
ICE ROAD	Requires crossing river or lake ice in the winter.
BARGE	Material can only be moved by barge.
OTHER	The site does not fit any of the catagories above. Describe in Section 44, Notes.

23. **ACCESS_LENGTH** 200
Approx. length from edge of pit to highway/secondary route (ft.)

24. **VEGETATION**

Nearly the entire site has been stripped of its natural vegetation. Some small alder and spruce saplings have begun to grow on the edges of the developed site area.

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** FLUVIAL — Dominant type

32. **MAT_TYPE_2** _____ — Subordinate type

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

33. **PERMAFROST_1** _____
New Site or Expansion Area

34. **PERMAFROST_2** DETECTED IN NO TEST HOLES OR PITS
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

35. **GROUNDWATER**

The depth to groundwater underlying the pit is unknown.

36. **LITHOLOGY_1** FLUVIAL — Dominant type

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.	SW	38e.	SW-SM	38g.	SM
38b.	GP	38d.	SP	38f.	SP-SM	38h.	

39. COBBLES_AND_BOULDERS

Test Boring Callout / ASTM Classification, either a. or b. and c. not both (Can use ranges i.e. 0 to 20)

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

40. AGG_TEST_RESULTS

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

40a. SG APP COARSE	1979- 2.75 /1998- 2.79
40b. SG APP FINE	1979- 2.74 /1998- 2.70
40c. ABSORPTION CRSE	
40d. ABSORPTION FINE	
40e. NORDIC ABRASION	
40f. L.A. ABRASION	1979- 16 / 1998- 13, 14, 16
40g. DEGRADATION (T-13)	1979- 59 / 1998- 62, 67, 73, 78
40h. NASO4 LOSS COARSE	1979- 0.992 /1998- 0.7, 0.7, 1.2, 2.3
40i. NASO4 LOSS FINE	1979- 2.55 /1998- 2.5, 3.5, 3.8

41. POTENTIAL_USABILITY PAVING AGGREGATE 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.
CONTAINS ASBESTOS	Site contains naturally occurring asbestos.
POTENTIAL ASBESTOS	Site in area where naturally occurring asbestos is mapped.
ACID ROCK DRAINAGE	Site contains rock susceptible to producing acid rock drainage.
OTHER	Explain in Section 44, Notes.

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.

STATEWIDE MATERIAL SITE INVENTORY

MATERIAL SITE INSPECTION REPORT

Federal Project No. STP-000S(823)
AKSAS Project No. 76149

TOK CUTOFF HIGHWAY

MS 46-1-009-5
Bear Cub Pit

April 13, 2014

CONTENTS PAGE

CATEGORY:

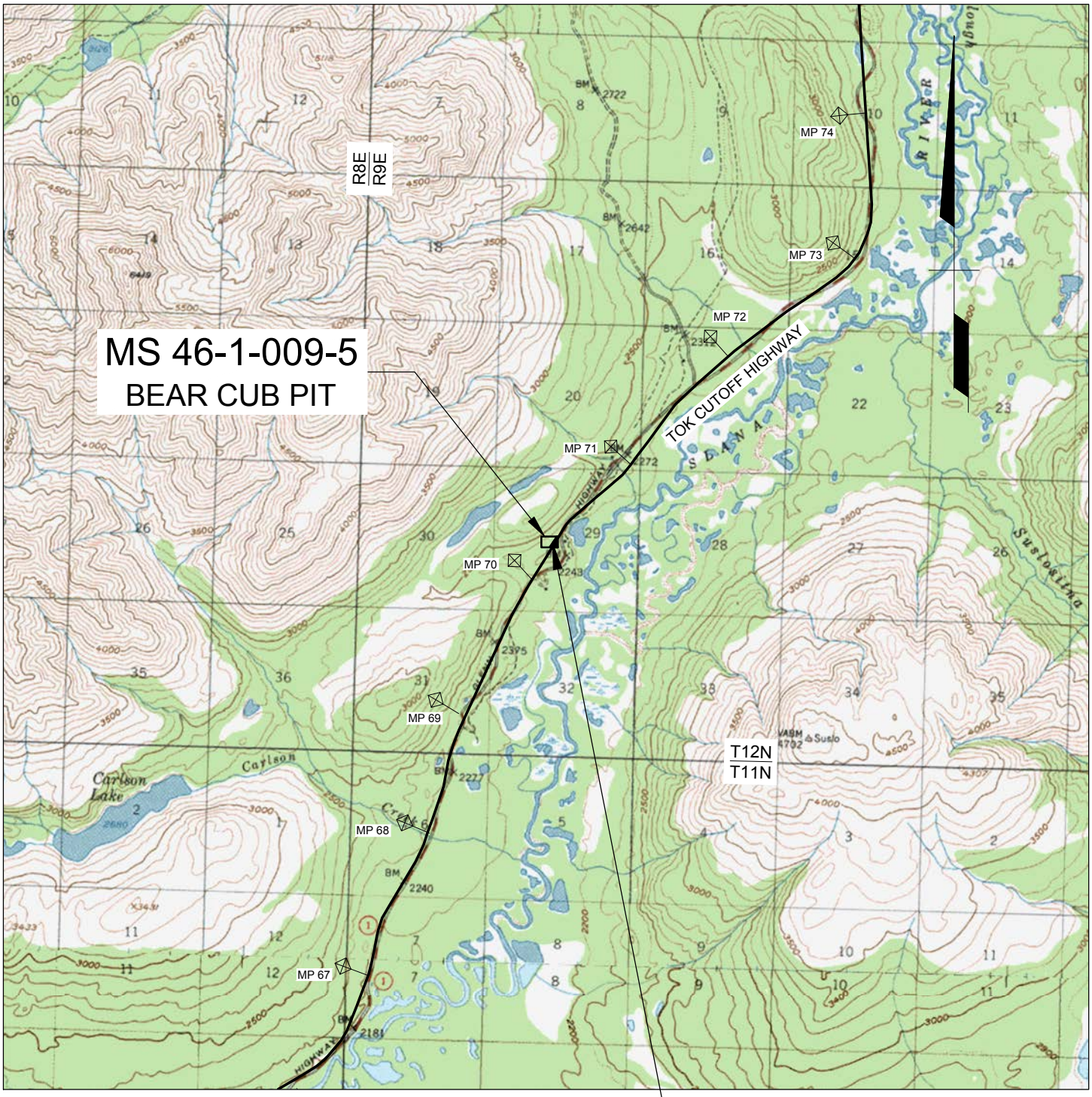
ACTIVE – STATUS UNKNOWN

According to information found in the DOT&PF EDMS system in January 2009 and BLM and DNR case abstracts, this site lies on Federal land managed by BLM. It lies across the Old Tok Cutoff Highway from the Bear Cub Inn (Closed).

An indefinite right-of-way grant (A-57443) was issued to DOT&PF for the site in 1963 by BLM. The land has been selected by Ahtna, Inc. for the subsurface estate and by Mentasta, Inc. for the surface estate in 1979 (AA-6716-C).

The site adjoins the Old Tok Cutoff Highway right-of-way and there is an access road into the site. The New Tok Cutoff Highway crossed through the site. There is a large area between the old and new Tok Cutoff Highway that is being used for stockpiling. It appears to not be on the site, or the highway right-of-way, or within the permitted stockpiling area. The site appears to contain significant quantities of sand and gravel and should be retained by DOT&PF for future use. The site boundaries should be marked clearly prior to mining operations.

LOCATION MAP



U.S.G.S. QUADRANGLE: NABESNIA (D–6) & (C–6)

GPS COORDINATES FROM GOOGLE EARTH

UTM (WGS84–METERS)
ZONE 7: N 6,965,435 E 358,688
AK STATE PLANE (NAD83–US SURVEY FT)
ZONE 2: N 3,216,560 E 1,343,994

ACTIVE - STATUS UNKNOWN

0 0.5 1 2 3

GRAPHIC SCALE IN MILES

BASE MAP CREATED WITH TERRAIN NAVIGATOR PRO

Prepared By:
R&M CONSULTANTS, INC.

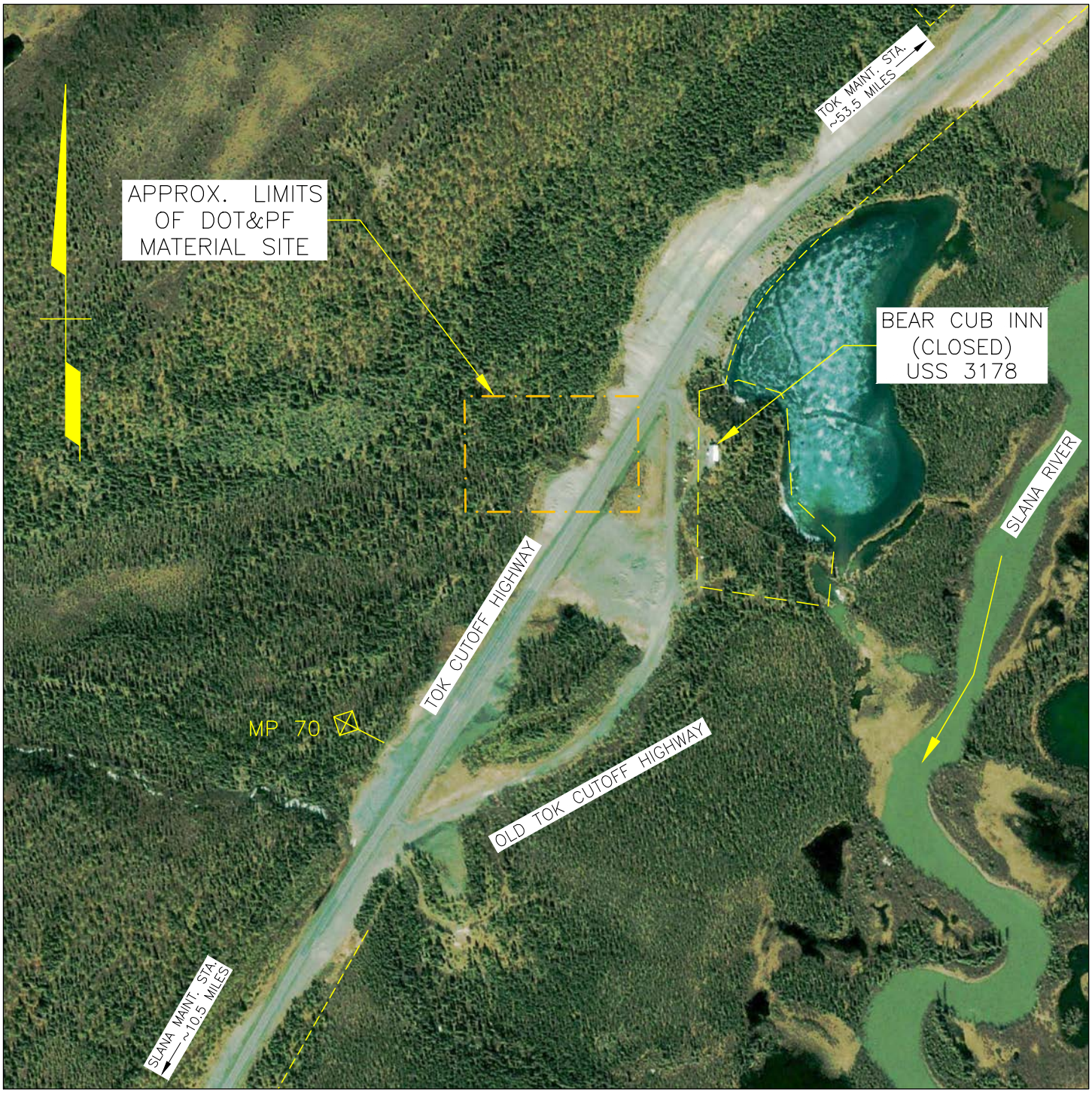
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

STATEWIDE MATERIAL SITE INVENTORY
MS 46-1-009-5

SCALE	DESIGNED	DRAWN	PAGE
AS SHOWN	K.G.T	K.G.T	2
	CHECKED C.H.R.	DATE FEB. 2014	

Plotted 7/11/2015 2:34 PM by Pete Hardcastle
Z:\project\1443.03\46_Tok_Cutoff_Highway\MS 46-1-009-5-A\acad\MS_Topo_Map_46-1-009-5.dwg

SITE MAP



BASE MAP IS MAY 22, 2002 DIGITALGLOBE SATELLITE IMAGERY.
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 - STATUS UNKNOWN

0 250 500 1000 1500

GRAPHIC SCALE IN FEET

BASE MAP FROM GOOGLE EARTH PRO 1/22/14

Prepared By:
R&M CONSULTANTS, INC.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

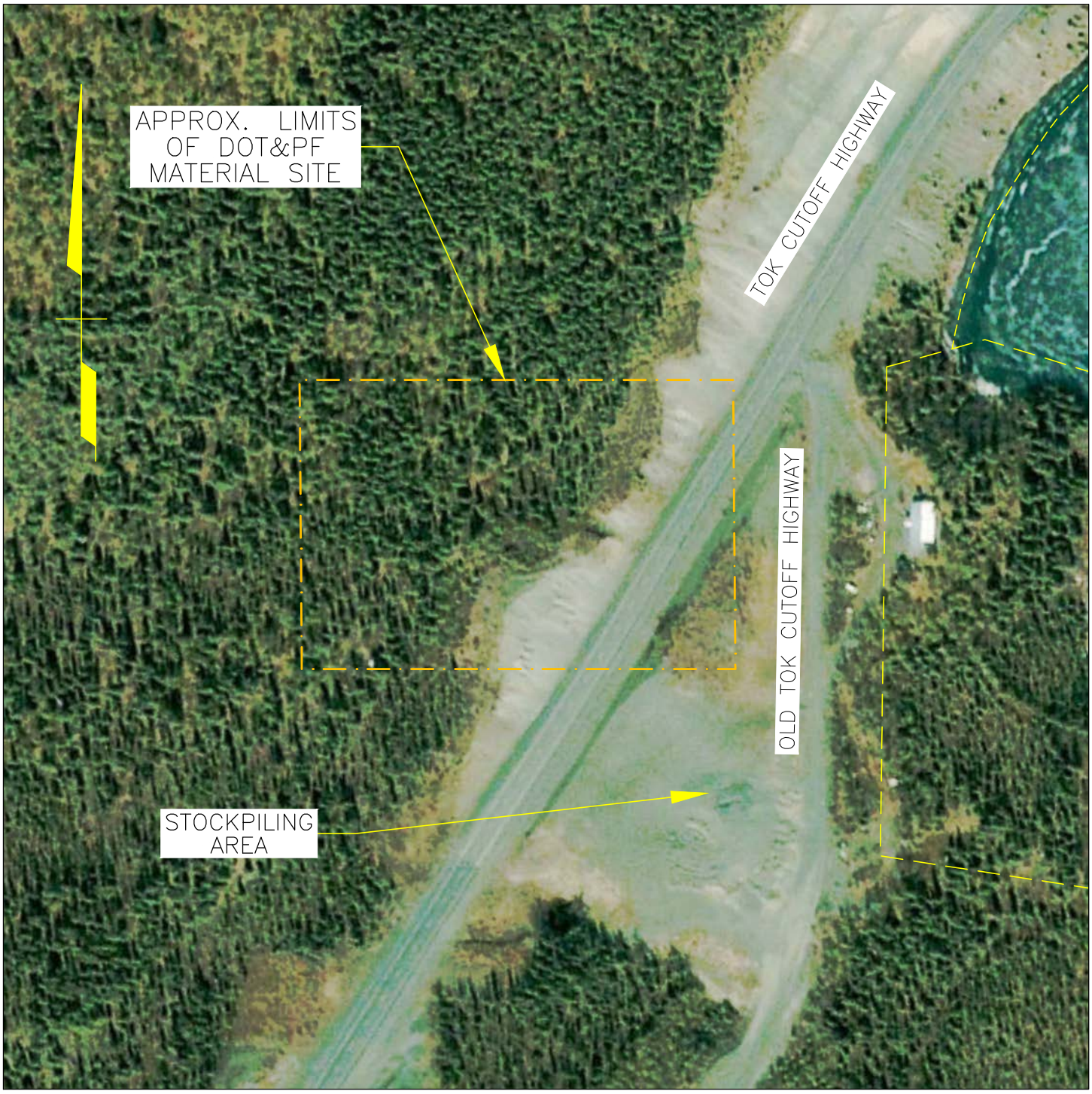
STATEWIDE MATERIAL SITE INVENTORY

MS 46-1-009-5

SCALE	DESIGNED	DRAWN		
AS SHOWN	K.G.T	K.G.T	PAGE	3A
	CHECKED C.H.R.	DATE JAN. 2014		

Plotted 7/11/2015 2:36 PM by Pete Hardcastle
Z:\project\1443.03\46_Tok_Cutoff_Highway\MS 46-1-009-5-A\acad\MS_Site_Map_46-1-009-5.dwg

SITE MAP



BASE MAP IS MAY 22, 2002 DIGITALGLOBE SATELLITE IMAGERY.
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 - STATUS UNKNOWN

0 100 200 400 600

GRAPHIC SCALE IN FEET

BASE MAP FROM GOOGLE EARTH PRO 1/22/14

Prepared By:
R&M CONSULTANTS, INC.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

STATEWIDE MATERIAL SITE INVENTORY

MS 46-1-009-5

SCALE	DESIGNED	DRAWN		
AS SHOWN	K.G.T	K.G.T		PAGE 3B
	CHECKED C.H.R.	DATE JAN. 2014		

Plotted 7/11/2015 2:38 PM by Pete Hardcastle
Z:\project\1443.03\46_Tok_Cutoff_Highway\MS 46-1-009-5-A\acad\MS_Site_Map_46-1-009-5.dwg

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** **46-1-009-5**
   Enter the full material site number e.g.. 31-3-045-2
2. **DATE_INSPECT** 7/14/2014
   Date of field inspection
3. **FLD INSPEC_ORG** KYLE THERRIEN / R&M CONSULTANTS
   Name of inspector / Organization or Company

4. **REGION** NORTHERN
5. **LOCATION** TOK CUTOFF HIGHWAY
   Name of Highway
   Enter Name of Facility or Secondary Route Name (i.e.Kotzebue Airport, Nash Road, etc.)
6. **MILEPOST** 70.5
   List the closest main highway milepost
7. **NAME** BEAR CUB 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 TAZLINA Station SLANA
   Highway Maintenance District and Station, for locations not on highways select other.
9. **QUAD** NEBESNA D-6
   U.S.G.S. Quad. Map
10. **TOWNSHIP/RANGE** T#S R#E T12N R9E & Meridian CRM
    Section 29

11. **COOR_UTM**

ZONE	7
NORTHING	6,965,435
EASTING	358,688

UTM WGS84 - **Meters**

12. **COOR_STATE_PLANE**

ZONE	2
NORTHING	3,216,560
EASTING	1,343,994

Alaska State Plane NAD83 - **Survey Feet**

13. **BOROUGH/CITY** UNORGANIZED **TAX ID NO.** NA
14. **DNR_LAND_USE_PLAN** COPPER RIVER BASIN AREA PLAN

15. **CATEGORY** (To be filled in the office)
15a. **CLASSIFICATION** ACTIVE
15b. **STATUS** UNKNOWN

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/explored (used only for proposed 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** DOT&PF CONSTRUCTION

17c. **PRESENT_USER_3**

18. **PERMITTED _ACREAGE** 5.5

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

19. **DEVELOPED_ACREAGE** 2.3

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

This includes the area within the site of the constructed Tok Cutoff Highway.

20. **ACREAGE_COMP_METHOD** FROM MAP/PHOTO

Method used to determine developed acreage.

21. **EST_QUAN_AVAIL** 60,000 ROUGH ESTIMATE

Estimated quantity available (b.c.y.), may be based on acreage computed above plus expansion area. Explain computation assumptions and calculations below.

Area	Developed Area	Developable Area	
Acres	2.3	3.2	
Est. Depth (ft.)	0	20	
Factor (b.c.y. / acre-foot)	1,000	1,000	
Est. Quant. (c.y.)	0	64,000	

The remaining developable area is situated on a 25 degree slope that varies from 25 to 70 feet above the Tok Cutoff Highway grade. The quantity of material available is variable due to the unknown depth to bedrock. It is assumed that at least 20 feet of material can be obtained from the site if a 150 foot ROW is maintained from the highways centerline.

22. **ACCESS_TYPE** NONE

NONE	No access road has been built.
EXISTING ROAD / OPEN	Drivable. May have gate.
EXISTING ROAD / REVEG	Can be reopened with little effort.
EXISTING ROAD / CLOSED W/BERMS	Can be reopened with little effort.
EXISTING ACCESS / REMOVED	Can be reopened with much effort.
SNOW ROAD	Can only be accessed during winter.
ICE ROAD	Requires crossing river or lake ice in the winter.
BARGE	Material can only be moved by barge.
OTHER	The site does not fit any of the catagories above. Describe in Section 44, Notes.

23. **ACCESS_LENGTH** 80
Approx. length from edge of pit to highway/secondary route (ft.)

24. **VEGETATION**

Vegetation above the highway cut consists of mature white spruce trees growing to 20 inches in diameter on 15 foot centers. Sparse bush growing to 6 feet in height comprises the understory.

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** NONE

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** NONE

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** FLUVIAL — Dominant type

32. **MAT_TYPE_2** — Subordinate type

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

33. **PERMAFROST_1** UNKNOWN
New Site or Expansion Area

34. **PERMAFROST_2** DATA OUTDATED
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

35. **GROUNDWATER**

The depth to groundwater underlying the pit is unknown.

36. **LITHOLOGY_1** FLUVIAL — Dominant type

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.	GP-GM	38c.		38e.		38g.	
38b.	SP-SM	38d.		38f.		38h.	

39. **COBBLES_AND_BOULDERS**

Test Boring Callout / ASTM Classification, either a. or b. and c. not both (Can use ranges i.e. 0 to 20)

39a.	CONTAINS	CONTAINS COBBLES AND BOULDERS	
39b.	Est. % by VOL.		(Est. From Visual Observations)
39c.	MAX. SIZE (in.)		(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** TYPES A AND B MATERIAL AVAILABLE

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.
CONTAINS ASBESTOS	Site contains naturally occurring asbestos.
POTENTIAL ASBESTOS	Site in area where naturally occurring asbestos is mapped.
ACID ROCK DRAINAGE	Site contains rock susceptible to producing acid rock drainage.
OTHER	Explain in Section 44, Notes.

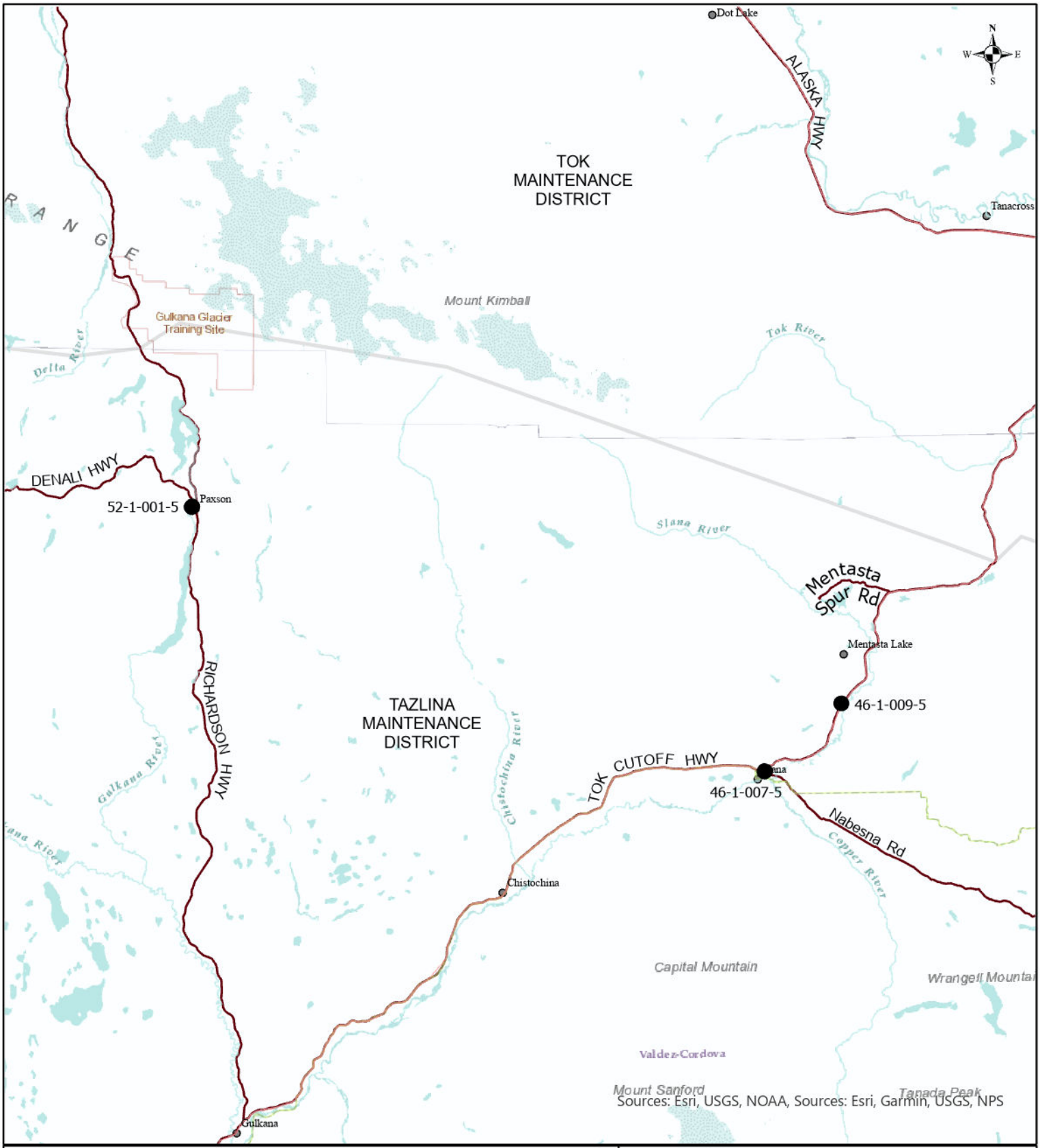
43. **RIPRAP** NOT POSSIBLE

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.



Legend

- Site Limits
- DOT&PF Road System
- Cities

0 5 10 20 Miles

STATE OF ALASKA
Department of Transportation and Public Facilities
2301 Peger Road Fairbanks, AK 99709

NR FFY24 AGGREGATE STOCKPILING SITES TAZLINA DISTRICT

DATE: January 2024 | FIGURE 1 / 4

Document Path: X:\Asset Management\Material Sites\zProject Files\2024\zDevelopment\Maps\ArcGIS_Pro\2024_Aggregates_Work_Sites.aprx

Legend

DOT&PF Road System

Site Limits

0 0.05 0.1 0.2 Miles

STATE OF ALASKA
Department of Transportation and Public Facilities
2301 Peger Road Fairbanks, AK 99709

NR AGGREGATE PROGRAM
TOK DISTRICT
DENALI HWY MILE 0.3 52-1-001-5

DATE: January 2024

FIGURE 2 / 4

Document Path: X:\Asset Management\Material Sites\zProject Files\2024\zDevelopment\Maps\ArcGIS_Pro\2024_Aggregates_Work_Sites.aprx

Legend

DOT&PF Road System

Site Limits

0 0.05 0.1 0.2 Miles

STATE OF ALASKA
Department of Transportation and Public Facilities
2301 Peger Road Fairbanks, AK 99709

NR AGGREGATE PROGRAM
TAZLINA DISTRICT
NABESNA RD MILE 0.4 46-1-007-5

DATE: January 2024

FIGURE 3 / 4

Document Path: X:\Asset Management\Material Sites\zProject Files\2024\zDevelopment\Maps\ArcGIS_Pro\2024_Aggregates_Work_Sites.aprx

Legend

- DOT&PF Road System
- Site Limits
- Planned Mining/Work Area

0 0.03 0.07 0.13 Miles

STATE OF ALASKA
Department of Transportation and Public Facilities
2301 Peger Road Fairbanks, AK 99709

NR AGGREGATE PROGRAM
TAZLINA DISTRICT
TOK CUTOFF HWY MILE 70.2 46-1-009-5

DATE: January 2024

FIGURE 4 / 4

Document Path: X:\Asset Management\Material Sites\zProject Files\2024\zDevelopment\Maps\ArcGIS_Pro\2024_Aggregates_Work_Sites.aprx