

## **Appendix B**

### **Permit Applications**

- **US Army Corps of Engineers Individual Permit Application; Project Description, Mitigation Statement, Adjacent Property Owners List**
- **ADFG Title 16 Permit Application**
- **DNR Material Site Reclamation Plan (to be revised by construction contractor)**
- **Sheets 1-8**

**Sheet 1      Location and Vicinity Maps**

**Sheet 2      Wetlands and Land Use**

**Sheet 3      Proposed Action**

**Sheet 4      Taxiway/Access Road Typical Sections**

**Sheet 5      Runway Typical Sections**

**Sheet 6      Typical Section and Access Road**

**Sheet 7      Proposed Material Site (aerial photo)**

**Sheet 8      Proposed Material Site (typical)**

**APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT**  
(33 CFR 325)

**OMB APPROVAL NO. 0710-0003**  
**EXPIRES: 31 August 2012**

Public reporting burden for this collection of information is estimated to average 11 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters, Executive Services and Communications Directorate, Information Management Division and to the Office of Management and Budget, Paperwork Reduction Project (0710-0003). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please **DO NOT RETURN** your form to either of those addresses. Completed applications must be submitted to the District Engineer having jurisdiction over the location of the proposed activity.

**PRIVACY ACT STATEMENT**

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Programs of the Corps of Engineers; Final Rule 33 CFR 320-332. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of a public notice as required by Federal law. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued. One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned.

**(ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)**

1. APPLICATION NO.	2. FIELD OFFICE CODE	3. DATE RECEIVED	4. DATE APPLICATION COMPLETE
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**(ITEMS BELOW TO BE FILLED BY APPLICANT)**

<b>5. APPLICANT'S NAME:</b> First - Teresa      Middle -      Last - Zimmerman Company - Department of Transportation and Public Facilities E-mail Address - teresa.zimmerman@alaska.gov		<b>8. AUTHORIZED AGENT'S NAME AND TITLE (an agent is not required)</b> First -      Middle -      Last - Company - E-mail Address -	
<b>6. APPLICANT'S ADDRESS.</b> Address - PO Box 196900 City - Anchorage      State - AK      Zip - 99519      Country - USA		<b>9. AGENT'S ADDRESS</b> Address - City -      State -      Zip -      Country -	
<b>7. APPLICANT'S PHONE NOS. W/AREA CODE</b> a. Residence      b. Business      c. Fax 907 269-0531      907 269-0551      907 243-6927		<b>10. AGENT'S PHONE NOS. W/AREA CODE</b> a. Residence      b. Business      c. Fax	

**STATEMENT OF AUTHORIZATION**

11. I hereby authorize, \_\_\_\_\_ to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application.

\_\_\_\_\_  
 APPLICANT'S SIGNATURE      DATE

**NAME, LOCATION, AND DESCRIPTION OF PROJECT OR ACTIVITY**

<b>12. PROJECT NAME OR TITLE (see instructions)</b> Koliganek Airport Reconstruction, Project No. 52976	
<b>13. NAME OF WATERBODY, IF KNOWN (if applicable)</b> Nushagak River and adjacent wetlands	<b>14. PROJECT STREET ADDRESS (if applicable)</b> Address: City - Kolliganek      State - AK      Zip - 99576
<b>15. LOCATION OF PROJECT</b> Latitude: *N 69.789786 Longitude: *W -157.2574532	
<b>16. OTHER LOCATION DESCRIPTIONS, IF KNOWN (see instructions)</b> State Tax Parcel ID      Municipality Section - 22-24      Township - 5 So. 4th      Range - 2 West	

**17. DIRECTIONS TO THE SITE**  
 Only access is by airplane or boat up the Nushagak River from Dillingham.

18. Nature of Activity (Description of project, include all features)

The project is to rehabilitate and extend the runway, upgrade the lighting, relocate the navigation aids, and upgrade the airport structures at the Koliganek, Alaska Airport.

19. Project Purpose (Describe the reason or purpose of the project, see instructions)

The purpose of the proposed project is to rehabilitate and extend the Koliganek runway and airport structures to resolve structural and drainage issues that have developed, and meet current FAA and State standards for a Community Class Airport.

**USE BLOCKS 20-23 IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED**

20. Reason(s) for Discharge

The entire airport property and surrounding area is dominated by palustrine wetlands. The airport runway extension and apron expansion will involve discharge or fill material in identified wetlands. A proposed material site is located on an island in the Nushigak River and will be accessed by the construction of a temporary bridge across a portion of the river.

21. Type(s) of Material Being Discharged and the Amount of Each Type in Cubic Yards:

Type Amount in Cubic Yards	Type Amount in Cubic Yards	Type Amount in Cubic Yards
140,000 gravel		

22. Surface Area in Acres of Wetlands or Other Waters Filled (see instructions)

Acres 1.9  
Or  
Liner Feet

23. Description of Avoidance, Minimization, and Compensation (see instructions)

See attached mitigation statement.

24. Is Any Portion of the Work Already Complete? Yes  No  IF YES, DESCRIBE THE COMPLETED WORK

25. Addresses of Adjoining Property Owners, Lessees, Etc., Whose Property Adjoins the Waterbody (if more than can be entered here, please attach a supplemental list).

Address – Bristol Bay Native Corporation, 111 West 16th Avenue, Suite 400  
City – Anchorage State – Alaska Zip – 99501

26. List of Other Certifications or Approvals/Denials Received from other Federal, State, or Local Agencies for Work Described in This Application.

AGENCY	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED
DNR	ILMA		Concurrently		
ADEC	Section 401 Water Quality Certification		Concurrently		
ADFG	Fish Habitat Permit		Concurrently		
			Concurrently		

\* Would include but is not restricted to zoning, building, and flood plain permits

27. Application is hereby made for a permit or permits to authorize the work described in this application. I certify that the information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.

*Theresa Zimmerman* 10/2/12  
SIGNATURE OF APPLICANT DATE

\_\_\_\_\_  
SIGNATURE OF AGENT DATE

The application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the statement in block 11 has been filled out and signed.

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.

## **Koliganek Airport Reconstruction Project No. 59276**

### **Project Description**

The proposed action is to reconstruct and extend the runway, upgrade the lighting, relocate the navigation aids, and upgrade the airport structures at the Koliganek, Alaska Airport so that it meets the DOT&PF and FAA standards for a Community Class Airport. The airport is located approximately 60 miles northeast of Dillingham, on the Nushagak River (Sheet 2). The airport reconstruction would involve the following work, as illustrated in Sheet 3:

- Re-grade and resurface the existing runway, taxiway, and apron;
- Extend the 3,000-foot runway by 300 feet on the west end for a total 3,300-foot runway, with a 300-ft RSA on each end;
- Extend existing apron by approximately 100 ft to the south to allow for the SREB to be moved outside the object-free area for non-precision instrument flight approaches.; this will require relocating 800 ft of the airport access road around the apron to provide access to land on the other side of the airport;
- Repair and relocate the existing Snow Removal Equipment Building (SREB) and construct a new heated single bay SREB;
- Remove and replace runway and taxiway lighting;
- Acquire approximately 24 total acres of property (20 acres from Koliganek Natives Ltd., 2.5 acres from a Native Allotment, and a 1.3 acre ILMA with ADNR for managing state land in the RPZ) to include the primary surface area that is being expanded for non-precision instrument flight approaches; and
- Use an existing material site 1 mile north of the airport, on an island in the Nushagak River.

**Construction is planned for 2013.**

#### **1.0 PERMITS OR APPROVALS**

The permits and/or other approvals listed below would be obtained prior to construction to comply with all applicable federal, state, and local regulations. The proposed action would require the following permits or approvals:

- U.S. Army Corps of Engineers (USACE) Section 404 permit for fill in 1.9 acres of wetlands;
- Alaska Department of Fish and Game (ADFG) Title 16 Fish Habitat Permit for equipment crossing the Nushagak River to haul material from an island to the mainland;
- Alaska Department of Environmental Conservation (ADEC) 401 Certificate of Reasonable Assurance for fill in wetlands;
- ADNR Material Site Reclamation Plan approval (obtained by the construction contractor);
- Section 106 consultation with the SHPO (already obtained).

Copies of the SHPO consultation are provided in Appendix C of the Environmental Assessment. The project would involve more than one acre of ground disturbance from construction activities and has a potential for storm water discharge to adjacent wetlands and waters. The construction contractor and DOT&PF would be required to conduct all construction activities in compliance with the ADEC Alaska Pollutant Discharge Elimination System (APDES) General Permit for Construction Activities in Alaska. A Storm Water Pollution Prevention Plan (SWPPP) will be developed by the contractor, reviewed by DOT&PF, and submitted to ADEC for approval, and implemented throughout construction.

## 2.0 WETLANDS PERMIT DETAILS

The project area is dominated by Palustrine wetlands. Approximately 1.9 acres of scrub-shrub wetlands will need to be filled for the project (Sheet 3). A summary of wetland fill is presented below.

**Wetlands Impacts—Proposed Action**

<b>Project Component</b>	<b>Wetland Type</b>	<b>Area of Wetland Impact (Acres)</b>	<b>Surface Course (Cubic Yards)</b>	<b>Embankment (Cubic Yards)</b>
Primary Runway	PSS	1.3	18,050	38,750
Apron	PSS	0.2	4,900	21,00
Airport Access Road Reroute	PSS	0.4	475	4,350
<b>Totals</b>		<b>1.9</b>	<b>23,425</b>	

PEM/PSS- Palustrine Emergent Wetlands/Palustrine Mixed Scrub-Shrub  
 OW- Open Water

### Wetlands Mitigation Statement

The project is being developed in accordance with the USACE Alaska District RGL 09-01. An ADEC Section 401 Water Quality Certification, and ADFG permit will be obtained. Copies of the permit applications are included in Appendix B. All stipulations and special conditions of the permits will be followed. Wetland fill cannot be avoided due to wetlands dominating the area and region. The project is dependent on the location of the existing airport facilities which is completely surrounded by wetlands. High value open water has been avoided and wetland fill has been minimized to the maximum extent.

Avoidance and minimization measures that were incorporated into the project include:

- Planning for the minimum size apron and road widths.
- Minimizing footprint by maximizing side slopes to 4:1.
- The potential for sediment transport off the project site would be minimized by using appropriate BMPs that would be identified in the SWPPP, as discussed in Section 5.3.
- Side slopes would be revegetated during the first growing season after the embankment is placed.

Compensation for unavoidable impacts to 1.9 acres of wetlands shall be provided in accordance with USACE RGL No. 09-01. Wetlands enhancement or restoration would be for Palustrine scrub-shrub wetlands. If a suitable on-site mitigation plan cannot be identified during the permitting process, fee-in-lieu to The Conservation Fund will be offered.

### Construction Impacts:

**Material Site.** An existing material site, an upland vegetated island in the Nushagak River at the end of the airport access road/haul route (Sheets 7 through 9) may be selected by the contractor for use in the project. This material site has been used in the past for two large projects, moving the airport in 1994 and reconstructing community streets in 2006; as well as smaller projects. The material anticipated for use is poorly graded sandy gravel. The proposed island material site has suitable

embankment and surface course material for the proposed project. Vegetation on the gravel bar includes grasses, willows and alders.

ADFG advised they will only permit crossing the river channel when the channel naturally dewatered or frozen. The material extraction itself will also require an ADFG permit (with proper buffers and measures in place to prevent fish entrapment during high water events). ADFG may stipulate a timing window if blasting is necessary. To prevent trapping fish in the excavated area, ADFG may also require excavating a fish escapement channel to the river should river water overtop the island during high water events.

Direct adverse impacts to the Nushagak River channel are not expected if the crossings occur when the channel is dry or frozen (winter). Excavation would take place on the island and material would be excavated below the water table. A 100-ft buffer would be maintained between the river and the excavation area. The contractor would be required to submit a Material Site Reclamation Plan to ADNR to extract material from the site. A typical cross section of the material site is illustrated on Sheet 8. Approximately 140,000 cubic yards of material will be needed for the proposed project.

A winter crossing would not adversely impact EFH since the crossing would be on river ice or on frozen river bed. Conservation measures incorporated into the project to mitigate adverse effect to EFH include:

- Crossing when the river channel is dewatered or frozen.
- Using Equipment-grade matting in the event of a dry channel crossing.
- BMPs for erosion and sediment control, and hazardous waste management during construction (see Construction Impacts, Section 5.3 in the EA).
- Not servicing equipment within 100 ft of the river.
- Conducting all work in accordance with the ADFG and USACE permits.
- Designing material extraction methods to prevent stormwater runoff from leaving the site.

The Magnuson-Stevens Act requires NOAA Fisheries consultation if the project may adversely affect EFH. Since EFH will not be adversely affected, consultation with NOAA Fisheries is not required.

### **3.0 ADJACENT PROPERTY OWNERS**

- Bristol Bay Native Corporation, 111 West 16th Avenue, Suite 400, Anchorage, AK 99501
- Owner of the Native Allotment: Heirs of Gust Johnson Sr., US Survey 11087, Koliganek AK, c/o Bristol Bay Native Assn., Tom Hoseth, Realty Division, P.O. Box 310, Dillingham, Alaska 99576
- State of Alaska, Division of Mining, Land, and Water, 550 W. 7th Ave Ste 1050, Anchorage, AK 99501



FH# \_\_\_\_\_  
(Office Use Only)

GENERAL WATERWAY/WATERBODY APPLICATION  
ALASKA DEPARTMENT OF FISH AND GAME  
Division of Habitat  
Office Locations

**A. APPLICANT**

1. Name: Alaska Department of Transportation & Public Facilities
2. Address (Mailing): P.O. Box 196900, Anchorage, AK 99519  
Email Address: teresa.zimmerman@alaska.gov  
Telephone: 907 269-0551 Fax: 907 243-6927
3. Project Coordinator/Contractor:  
Name: Teresa Zimmerman, Environmental Team Leader  
Address: DOT&PF  
Email Address: teresa.zimmerman@alaska.gov  
Telephone: 907 269-0551 Fax: 907 243-6927

**B. TYPE AND PURPOSE OF PROJECT:** The proposed project consists of extending the  
Koliganek runway and apron to meet current State and FAA standards. The project include:  
extending the runway from 3,000 to 3,300-ft long by 75-ft wide, install runway lighting;  
extending the apron, relocating navigational aids, building a new snow removal equipment  
building (SREB) and relocating the existing SREB, and moving 600 ft of the access road  
around the extended apron.

**C. LOCATION OF PROJECT SITE**

1. Name of River, Stream, or Lake: Nushagak River  
or Anadromous Stream No: 325-30-10100
2. Legal Description: Township 5 South Range 47 West  
Meridian Seward Section 23 USGS Quad Map Dillingham C-4
3. Plans, Specifications, and Aerial Photograph. See specific instructions

D. **TIME FRAME FOR PROJECT:** 2013 TO 2015 (mm/dd/yy)

E. **CONSTRUCTION METHODS:**

1. Will the stream be diverted?  Yes  No

How will the stream be diverted? \_\_\_\_\_

How long? \_\_\_\_\_

2. Will stream channelization occur?  Yes  No

3. Will the banks of the stream be altered or modified?  Yes  No

Describe: \_\_\_\_\_

4. List all tracked or wheeled equipment (type and size) that will be used in the stream (in the water, on ice, or in the floodplain): excavation equipment and dump trucks to haul material

How long will equipment be in the stream? stream crossing

5. a. Will material be removed from the floodplain, bed, stream, or lake?  Yes  No

Type: fill material from island in Nushagak

Amount: 140,000 cubic yards

b. Will material be removed from below the water table?  Yes  No

If so, to what depth? 12 or more feet

Is a pumping operation planned?  Yes  No

6. Will material (including spoils, debris, or overburden) be deposited in the floodplain, stream, or lake?  Yes  No

If so, what type? clean gravel with be stockpiled for transport to airport site, vegetation will be stockpiled.

Amount: temporary stockpiles of material and vegetation

Disposal site location(s): material will be transported to airport

7. Will blasting be performed?  Yes  No

Weight of charges: \_\_\_\_\_

Type of substrate: \_\_\_\_\_

8. Will temporary fills in the stream or lake be required during construction (e.g., for construction traffic around construction site)?  Yes  No

9. Will ice bridges be required?  Yes  No

F. **SITE REHABILITATION/RESTORATION PLAN:** On a separate sheet present a site rehabilitation/restoration plan. See specific instructions

G. **WATERBODY CHARACTERISTICS:**

Width of stream: 130 feet Depth of stream or lake: varies ~0-5 feet

Type of stream or lake bottom (e.g., sand, gravel, mud): silt and gravel

Stream gradient: low

H. **HYDRAULIC EVALUATION:**

1. Will a structure (e.g., culvert, bridge support, dike) be placed below ordinary high water of the stream?  Yes  No

If yes, attach engineering drawings or a field sketch, as described in Step B.

For culverts, attach stream discharge data for a mean annual flood ( $Q=2.3$ ), if available.

If applicable, describe potential for channel changes and/or increased bank erosion:

\_\_\_\_\_

2. Will more than 25,000 cubic yards of material be removed?  Yes  No

If yes, attach a written hydraulic evaluation including, at a minimum, the following: potential for channel changes, assessment of increased aufeis (glaciating) potential, assessment of potential for increased bank erosion.

**I HEREBY CERTIFY THAT ALL INFORMATION PROVIDED ON OR IN CONNECTION WITH THIS APPLICATION IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.**

*Teresa Zimmerman*  
Signature of Applicant

10/2/12  
Date

**STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF MINING, LAND AND WATER**

**Northern Region**  
3700 Airport Way  
Fairbanks, AK 99709  
(907) 451-2740

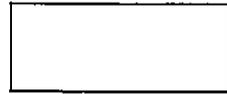
**Southcentral Region**  
550 W 7th Ave., Suite 900C  
Anchorage, AK 99501-3577  
(907) 269-8552

**Southeast Region**  
400 Willoughby, #400  
P.O. Box 111020  
Juneau, AK 99801  
(907) 465-3400

**MATERIAL SITE RECLAMATION PLAN OR  
LETTER OF INTENT/ANNUAL RECLAMATION STATEMENT  
AS 27.19.030 – 27.19.050**

**Non-refundable filing fee for reclamation plan: \$100**

In accordance with Alaska Statute 27.19, reclamation is required of all mining operations, including sand and gravel extraction. Completion of this form will meet the law's requirements for a **reclamation plan** (see below for filing requirements; due date: at least 45 days before mining is proposed to begin; requires approval by the Division of Mining, Land and Water). Completion of this form will also serve as a **letter of intent** for operations exempt from the plan requirement (due date: before mining begins). No approval is required for a letter of intent, but a miner who files a letter of intent must, before December 31, file an **annual reclamation statement** (Section 8 of this form).



Check applicable box:

**A. RECLAMATION PLAN (REQUIRED** if the operation will disturb five or more acres this year, OR 50,000 cubic yards, OR if the operation has a cumulative disturbed area of five or more acres)

**C. LETTER OF INTENT** (less than five acres to be disturbed AND less than 50,000 cubic yards AND less than five acres unreclaimed area)  
NOTE: A miner who files a letter of intent is also required to file an annual reclamation statement at the end of the year.

**B. RECLAMATION PLAN—VOLUNTARY** (for an operation below limits shown in Box A but wanting to qualify for the statewide bonding pool)

THIS RECLAMATION PLAN/LETTER OF INTENT IS FOR CALENDAR YEAR \_\_\_\_\_  
(IF YOU CHECKED EITHER BOX A OR B ABOVE AND PROPOSE A MULTI-YEAR PLAN, STATE ALL YEARS COVERED.)

**1. MINER INFORMATION** (IF THERE IS MORE THAN ONE MINER, ATTACH A LIST OF THE NAMES, ADDRESSES, AND TELEPHONE NUMBERS OF ALL OTHER OWNERS, OPERATORS, OR LEASEHOLDERS OF THE MINING OPERATION)

**Alaska Department of Transportation and Public Facilities (DOT&PF)**

NAME OF MINER WHO WILL SERVE AS AGENT FOR NOTICE PURPOSES

P.O. Box 196900

ADDRESS (NOTIFY THE DEPARTMENT OF ANY LATER CHANGE OF ADDRESS)

Anchorage	AK	99519	907 269-0531
CITY	STATE	ZIP CODE	TELEPHONE

Bristol Bay Native Corporation (surface and subsurface)

NAME OF LANDOWNER (IF OTHER THAN MINER) OR PUBLIC LAND MANAGEMENT AGENCY

n/a

FEDERAL OR STATE CASEFILE NUMBER (IF ANY) ASSIGNED TO THE SITE

2. LEGAL DESCRIPTION OF PROPOSED MINING SITE

Section 23/24	5 South	47 West	Seward
LEGAL SUBDIVISION/ SECTION/ QUARTER-SECTION	TOWNSHIP	RANGE	MERIDIAN

3. DESCRIPTION OF THE MINING OPERATION (IF YOU CHECKED BOX A OR B ON P. 1 OF THIS FORM AND ARE PROPOSING A MULTI-YEAR RECLAMATION PLAN, ATTACH SEPARATE SHEETS AS NEEDED SHOWING ACREAGE TO BE MINED, VOLUME TO BE MINED, AND EXISTING ACREAGE OF MINED AREA FOR EACH YEAR COVERED BY THE PLAN)

- a. \_\_\_\_\_ acres Total acreage to be mined or disturbed during the year.
- b. \_\_\_\_\_ cu. yds. Estimated total volume to be mined or disturbed, including overburden.
- c. gravel \_\_\_\_\_ Type of material (sand, gravel, peat, etc.).
- d. \_\_\_\_\_ acres Existing acreage of mined area (disturbed area that has not yet been reclaimed, but counting only acreage disturbed after October 15, 1991)

4. DESCRIPTION OF THE RECLAMATION OPERATION

- a. The total acreage that will be reclaimed during the year (or each year, if for a multi-year reclamation plan) is: less than 3 acres
- b. Provide a list of equipment (type and quantity) to be used during the reclamation operation.
- c. A time schedule of reclamation measures shall be included as part of the plan.

The following measures must be considered in preparing and implementing the reclamation plan. Please mark those measures appropriate to your reclamation activity:

- Topsoil that is not promptly redistributed to an area being reclaimed will be separated and stockpiled for future use. This material will be protected from erosion and contamination by acidic or toxic materials and preserved in a condition suitable for later use.
- The area will be backfilled, graded and recontoured using strippings, overburden, and topsoil to a condition that allows for the reestablishment of renewable resources on the site within a reasonable period of time. It will be stabilized to a condition that will allow sufficient moisture to be retained for natural revegetation.
- Stockpiled topsoil will be spread over the reclaimed area to promote natural plant growth that can reasonably be expected to revegetate the area within five years.
- Stream channel diversions will be relocated to a stable location in the flood plain.
- Exploration trenches or pits will be backfilled. Brush piles, vegetation, topsoil, and other organics will be spread on the backfilled surface to inhibit erosion and promote natural revegetation.
- All buildings and structures constructed, used, or improved on land owned by the State of Alaska will be removed, dismantled, or otherwise properly disposed of at the completion of the mining operation.
- Any roads, airstrips or other facilities constructed to provide access to the mining operation shall be reclaimed (unless otherwise authorized) and included in the reclamation plan.
- Peat and topsoil mine operations shall ensure a minimum of two inches of suitable growing medium is left or replaced on the site upon completion of the reclamation activity.

- If extraction occurs within a flood plain, the reclamation activity shall reestablish a stable bed and bank profile such that river currents will not be altered and erosion and deposition patterns will not change.

NOTE: If you propose to use reclamation measures other than those shown above, or if the private landowner or public land manager of the site requires you to use stricter reclamation measures than those shown above, attach a list of those measures to this plan.

#### 5. ALTERNATE POST-MINING LAND USE

- The mining site is public land. The land management agency's land use plan (if any) for post-mining land use is:  
\_\_\_\_\_
- The mining site is public land. As allowed by AS 27.19.030(b), I propose to reclaim it to the following post-mining land use: \_\_\_\_\_  
\_\_\_\_\_
- The mining site is private property. The private landowner plans to use it for the following post-mining land use: \_\_\_\_\_  
At this time, the landowner has no post-mining land use planned. To be provided by contractor \_\_\_\_\_

#### 6. ATTACHMENTS

- If the mining operation has additional owners, operators, or leaseholders not shown on p. 1 of this form, attach a list of their names, addresses, and telephone numbers.
- Attach a USGS map at a scale no smaller than 1:63,360 (inch to the mile) showing the general vicinity of the mining operation and the specific property to be mined. Option: If you checked Box C on the first page of this form and the mining site is adjacent to an airport or public highway, state the name of the airport or the name and milepost of the public highway.
- Attach a diagram of the mined area (this term includes the extraction site, stockpile sites, overburden disposal sites, stream diversions, settling ponds, etc.) and the mining operation as a whole (this term includes the roads you plan to build, your power lines, support facilities, etc.). Show and state the number of acres to be mined during the year. (If you checked Box A or B on the first page of this form and your plan covers more than one year, show each year's work.) Show the location corners or property boundaries of the site in relation to the reclamation work and any other areas affected by the operation.
- Attach a list of the equipment (type and quantity) to be used during the reclamation activity.
- A time schedule of events must be attached that includes dates and activities related to this reclamation plan.
- If the site is private land not owned by the miner, attach a signed, notarized statement from the landowner indicating the landowner's consent to the operation. The landowner may also use the consent statement to notify the department that the landowner plans a post-mining land use incompatible with natural revegetation and therefore believes that reclamation to the standard of AS 27.19.020 is not feasible.
- For those miners that are required to file an annual reclamation statement, attach photographs and/or videotapes dated and described as to location of the reclamation activity that was completed.
- If you propose to use reclamation measures other than those listed on this form, or if the private landowner or public land manager of the site requires you to use stricter reclamation measures, attach a list of those measures.

**7. RECLAMATION BONDING (REQUIRED ONLY IF YOU CHECKED BOX A or B ON THE FIRST PAGE OF THIS FORM)**

The total acreage of my mining operation that is subject to the bonding requirement for the current year is \_\_\_\_\_ acres (add acreages stated in Section 3(a) and 3(d) of this form).

The per-acre bond amount is \$750/acre or a total bond amount of \$\_\_\_\_\_.

Please check the appropriate bonding method that you will apply toward this reclamation plan:

- Participation in the statewide bonding pool.
- Posting a corporate surety bond.
- Posting a personal bond accompanied by a letter of credit, certificate of deposit, or a deposit of cash or gold.
- Posting a bond or financial guarantee with another government agency that has jurisdiction over the mining operation, as allowed by a cooperative management agreement between that agency and the Division of Mining, Land and Water.
- Posting a general performance bond with a state agency that meets the requirements of 11 AAC 97.400(4).

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The above reclamation plan/letter of intent and all attachments are correct and complete to the best of my knowledge.

\_\_\_\_\_  
Signature of Miner

\_\_\_\_\_  
Date

AS 27.19.030 and AS 27.19.050 require a miner either to file a reclamation plan for approval or to file a letter of intent followed by an annual reclamation statement. 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)(9) and confidentiality is requested). 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.

**8. ANNUAL RECLAMATION STATEMENT—REQUIRED IF YOU FILED A LETTER OF INTENT (CHECKED BOX C ON THE FIRST PAGE) FOR THIS OPERATION. DUE DATE: DECEMBER 31, \_\_\_\_\_. YOU MUST FILE EVEN IF THE MINING DESCRIBED IN YOUR LETTER OF INTENT DID NOT TAKE PLACE.**

This \_\_\_\_\_ annual reclamation statement is for:  
(year)

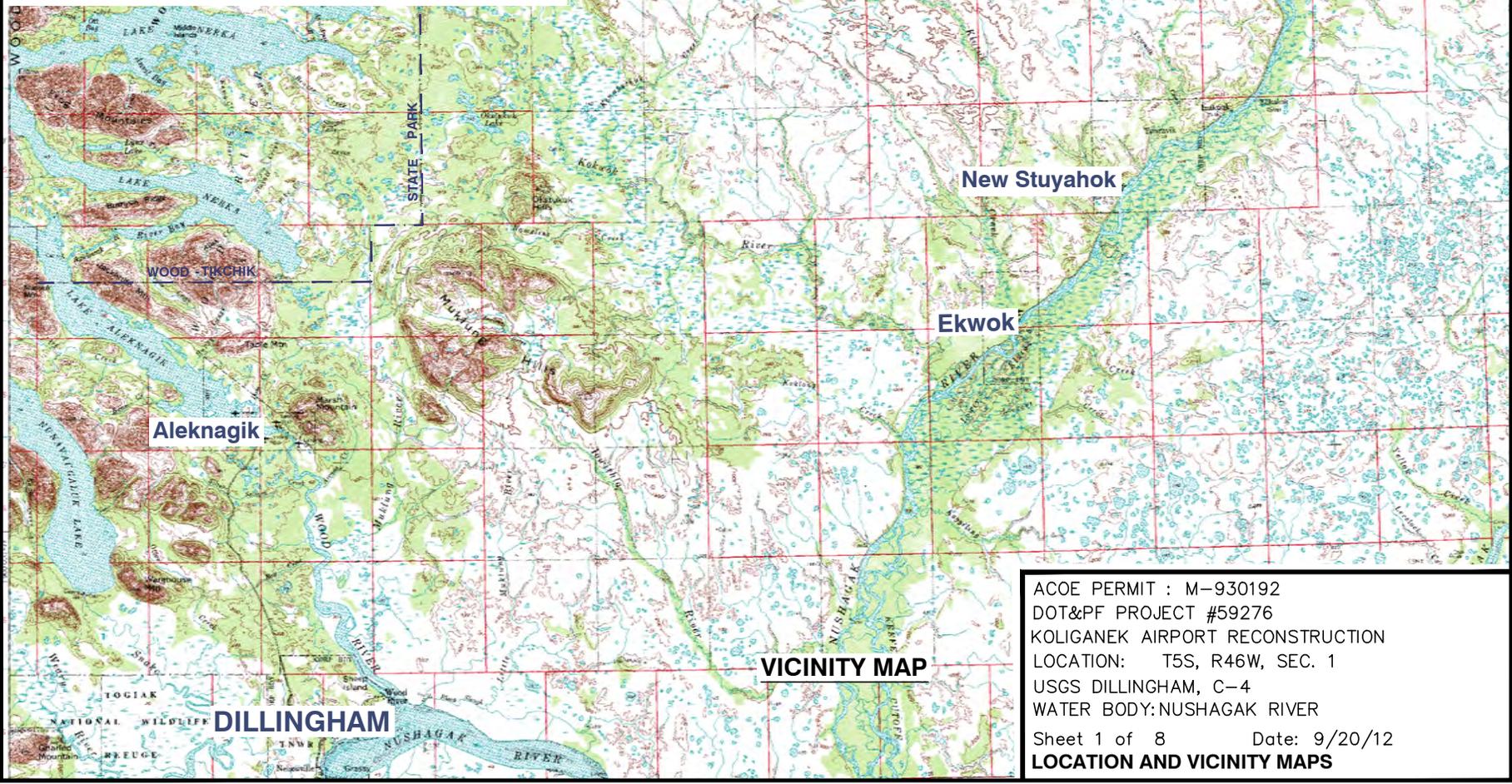
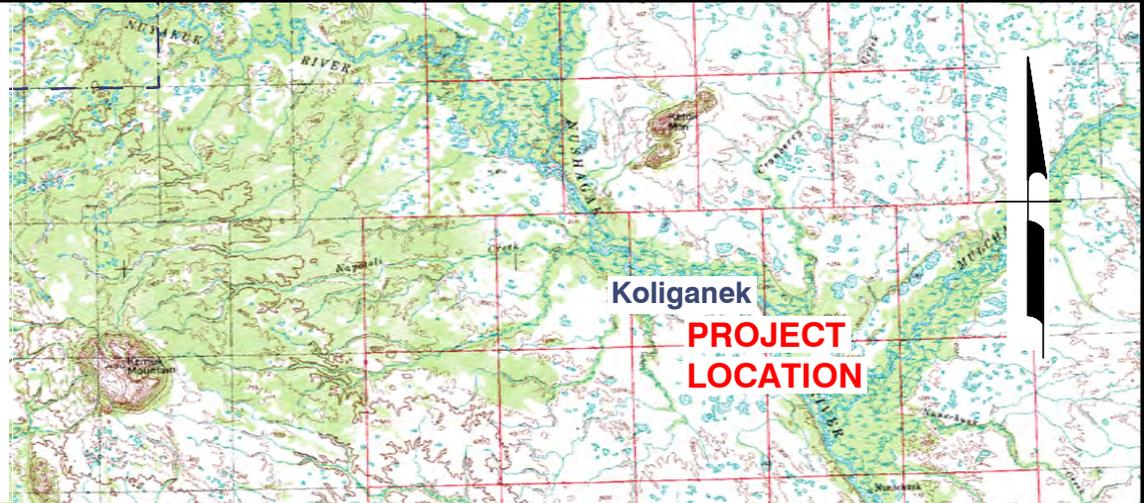
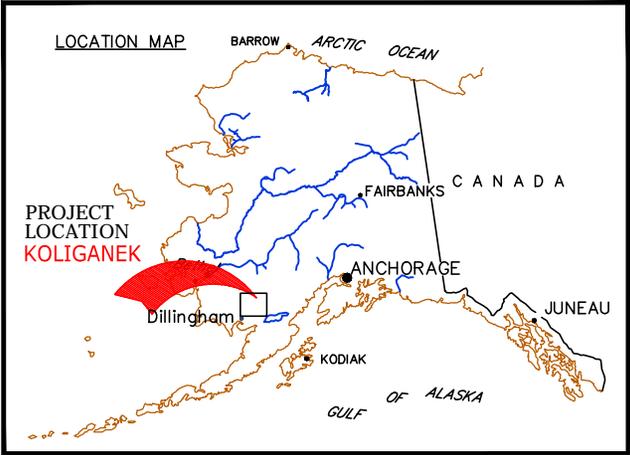
- a. \_\_\_\_\_ acres Total acreage mined.
- b. \_\_\_\_\_ cu. yds. Total volume mined or disturbed, including overburden.
- c. \_\_\_\_\_ acres Total acreage reclaimed.
- d. \_\_\_\_\_ acres Cumulative total of unreclaimed acreage.
- e. Reclamation measures that were used (check appropriate measures from Section 4, DESCRIPTION OF THE RECLAMATION OPERATION, and attach list of additional or stricter measures if applicable).

The above annual reclamation statement and all attachments are correct and complete to the best of my knowledge.

\_\_\_\_\_  
Signature of Miner

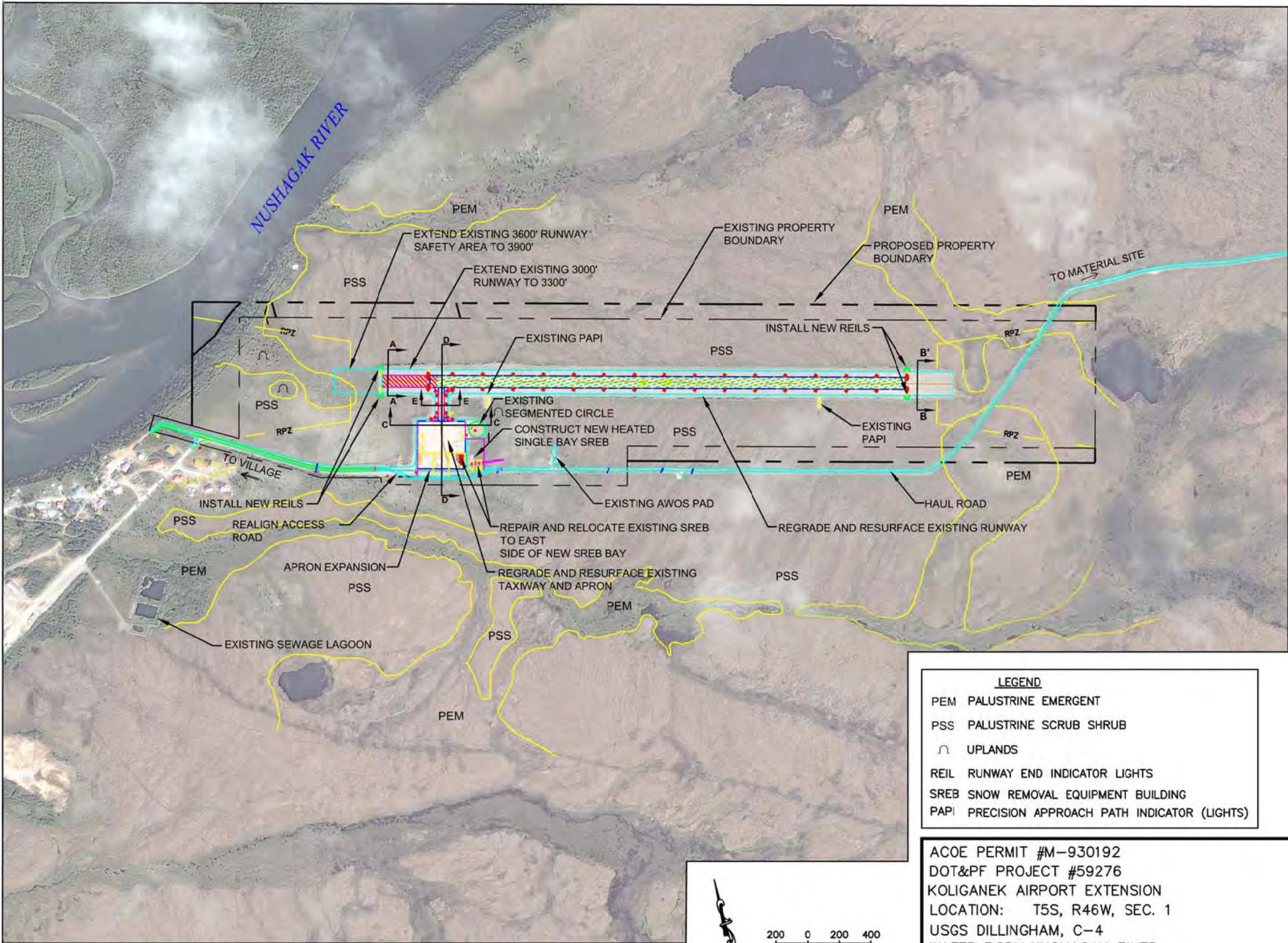
\_\_\_\_\_  
Date

AS 27.19.030 and AS 27.19.050 require a miner either to file a reclamation plan for approval or to file a letter of intent followed by an annual reclamation statement. 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)(9) and confidentiality is requested). 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.

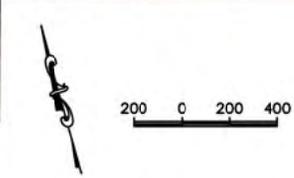


ACOE PERMIT : M-930192  
 DOT&PF PROJECT #59276  
 KOLIGANEK AIRPORT RECONSTRUCTION  
 LOCATION: T5S, R46W, SEC. 1  
 USGS DILLINGHAM, C-4  
 WATER BODY: NUSHAGAK RIVER  
 Sheet 1 of 8 Date: 9/20/12  
**LOCATION AND VICINITY MAPS**

W:\Environmental\Nancy\59276-Koliganek 2011\59276-Koliganek proposed action2.dwg, 11/1/2012 3:17:08 PM, Adobe PDF

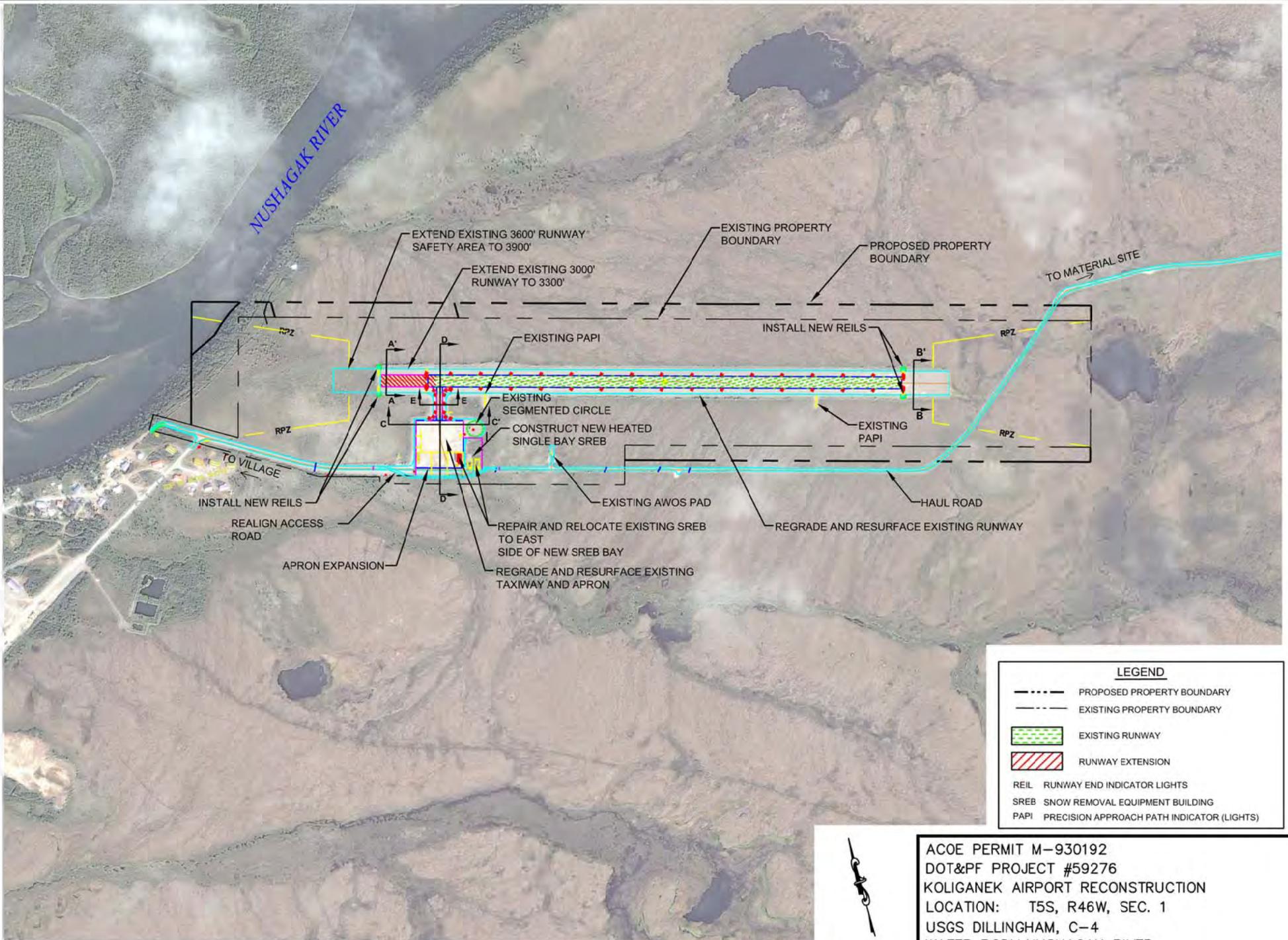


LEGEND	
PEM	PALUSTRINE EMERGENT
PSS	PALUSTRINE SCRUB SHRUB
U	UPLANDS
REIL	RUNWAY END INDICATOR LIGHTS
SREB	SNOW REMOVAL EQUIPMENT BUILDING
PAPI	PRECISION APPROACH PATH INDICATOR (LIGHTS)

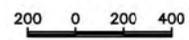


ACOE PERMIT #M-930192  
 DOT&PF PROJECT #59276  
 KOLIGANEK AIRPORT EXTENSION  
 LOCATION: T5S, R46W, SEC. 1  
 USGS DILLINGHAM, C-4  
 WATER BODY: NUSHAGAK RIVER  
 Sheet 2 of 8 Date: 6/13/12  
**WETLANDS**

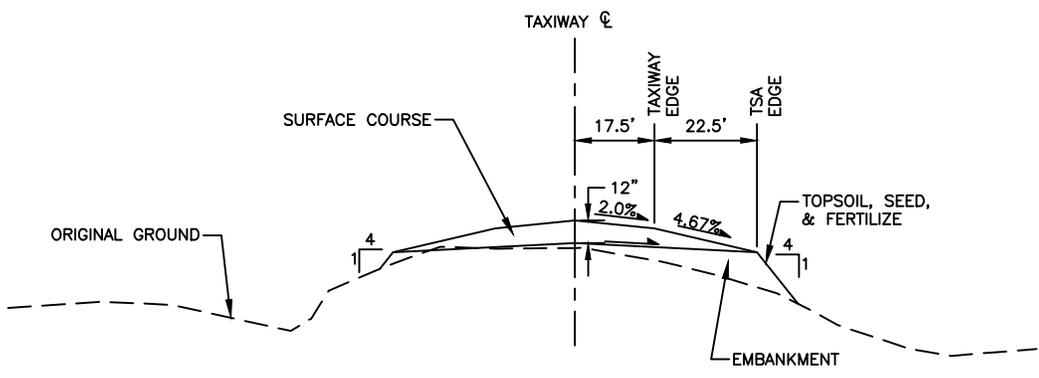
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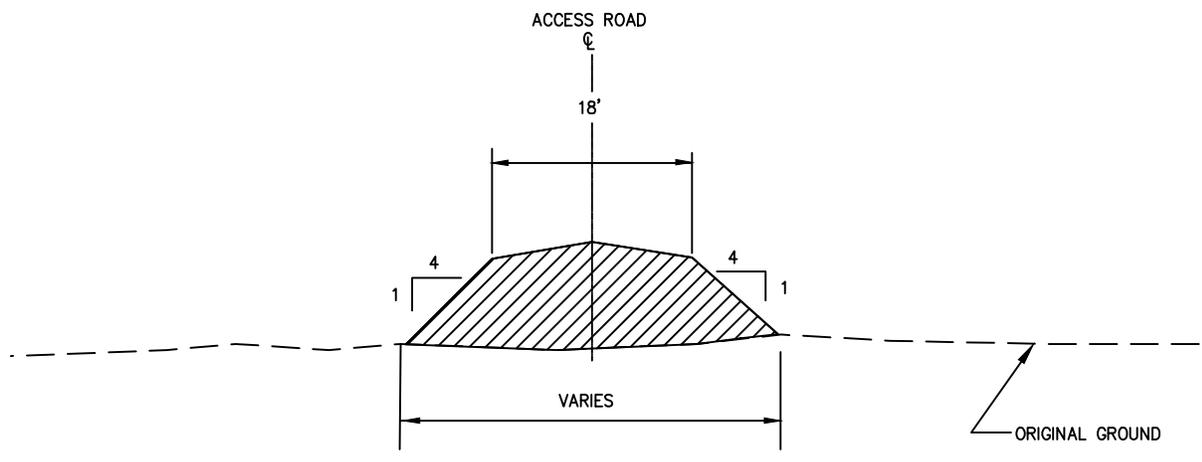
LEGEND	
-----	PROPOSED PROPERTY BOUNDARY
-----	EXISTING PROPERTY BOUNDARY
	EXISTING RUNWAY
	RUNWAY EXTENSION
REIL	RUNWAY END INDICATOR LIGHTS
SREB	SNOW REMOVAL EQUIPMENT BUILDING
PAPI	PRECISION APPROACH PATH INDICATOR (LIGHTS)



ACOE PERMIT M-930192  
 DOT&PF PROJECT #59276  
 KOLIGANEK AIRPORT RECONSTRUCTION  
 LOCATION: T5S, R46W, SEC. 1  
 USGS DILLINGHAM, C-4  
 WATER BODY: NUSHAGAK RIVER  
 Sheet 3 of 8 Date: 9/20/12  
**PROPOSED ACTION & WETLANDS**

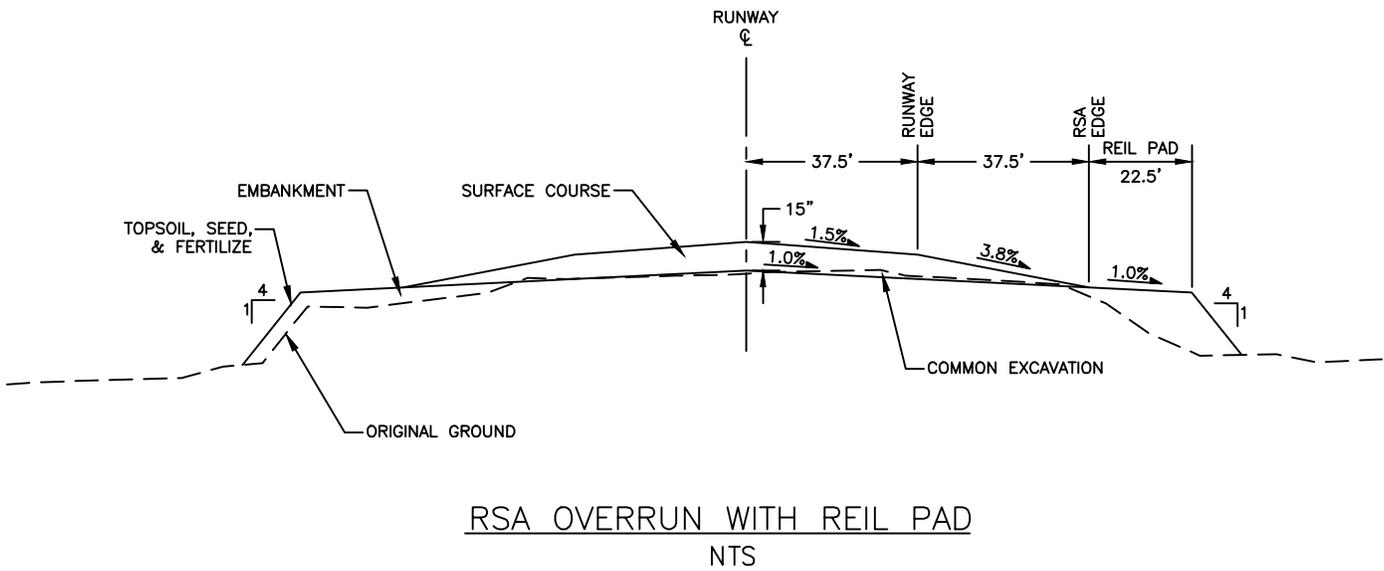
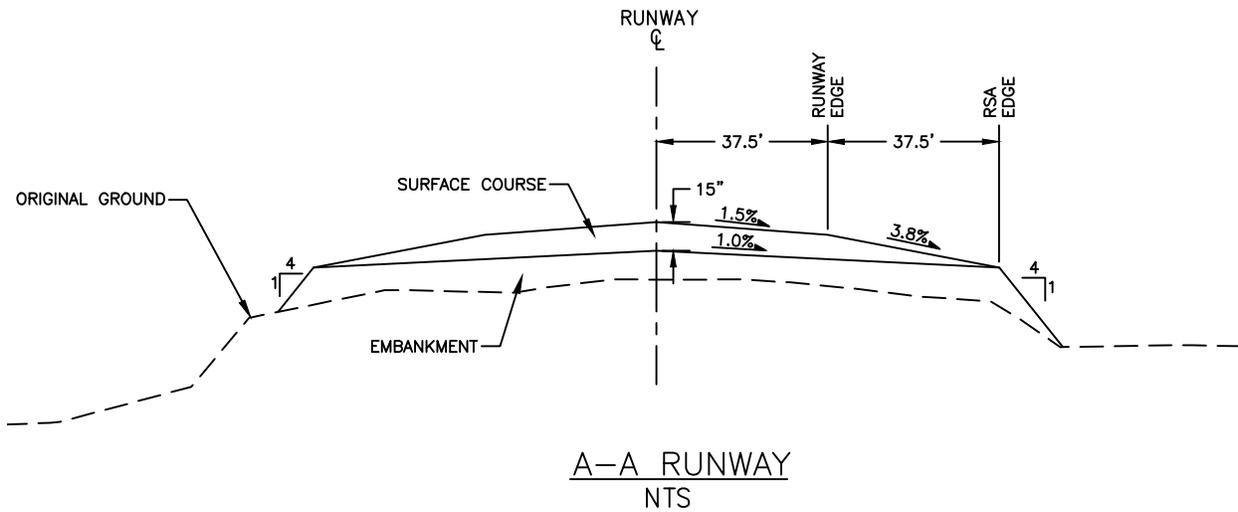


E-E TAXIWAY  
NTS



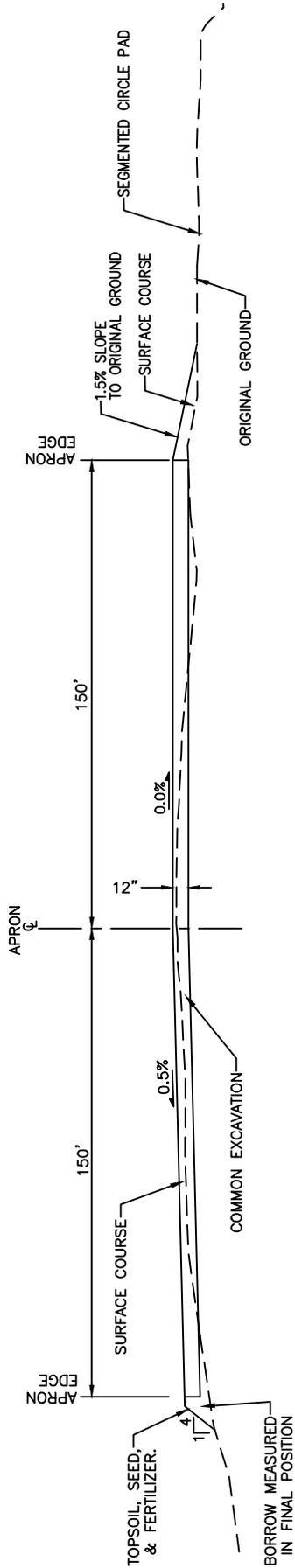
ACCESS ROAD  
NTS

ACOE PERMIT M-930192  
 DOT&PF PROJECT #59276  
 KOLIGANEK AIRPORT RECONSTRUCTION  
 LOCATION: T5S, R46W, SEC. 1  
 USGS DILLINGHAM, C-4  
 WATER BODY: NUSHAGAK RIVER  
 Sheet 4 of 8 Date: 9/20/12  
**TAXIWAY/ACCESS ROAD TYPICAL SECTIONS**

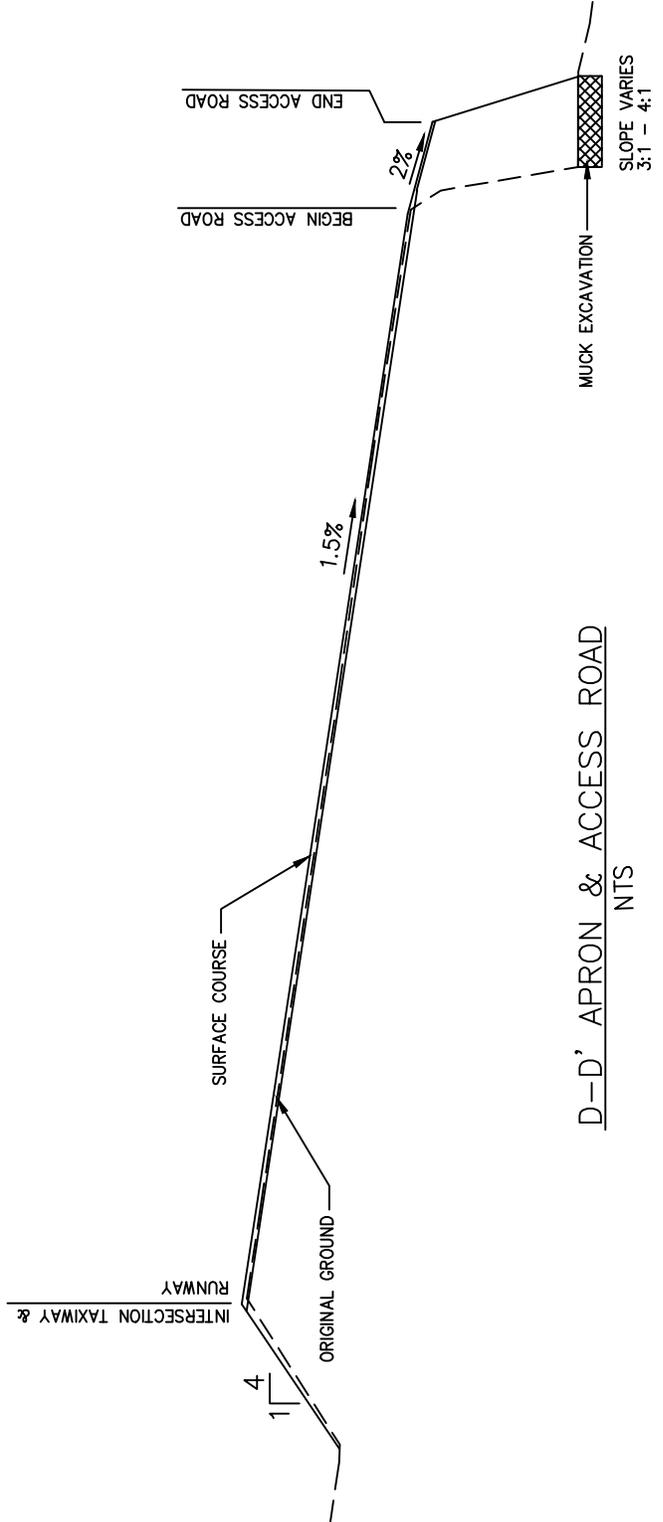


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ACOE PERMIT M-930192  
 DOT&PF PROJECT #59276  
 KOLIGANEK AIRPORT EXTENSION  
 LOCATION: T5S, R46W, SEC. 1  
 USGS DILLINGHAM, C-4  
 WATER BODY: NUSHAGAK RIVER  
 Sheet 5 of 8 Date: 9/20/12  
**RUNWAY TYPICAL SECTIONS**

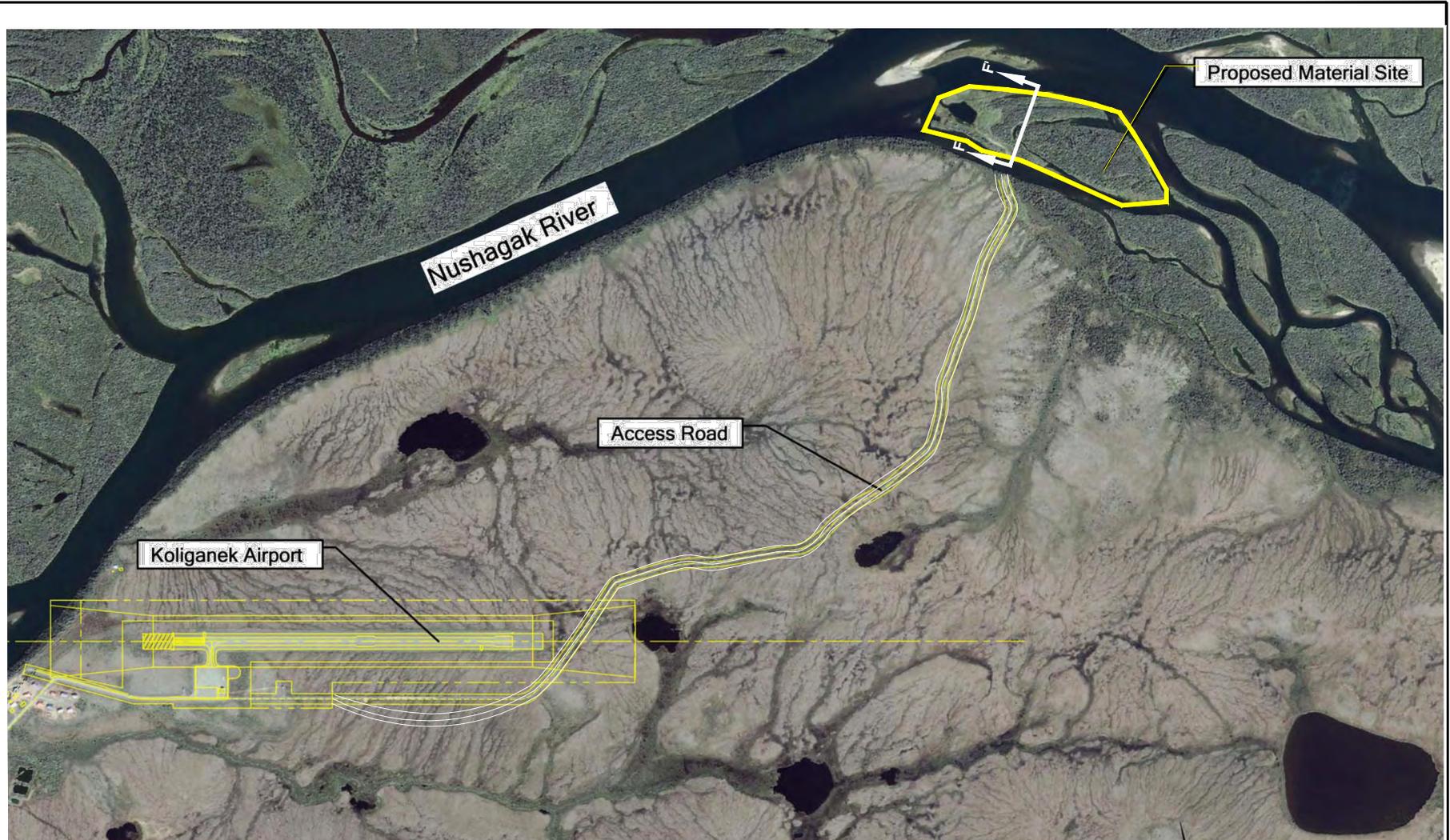


C-C' APRON  
NTS

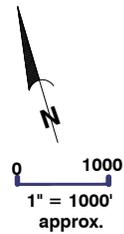


D-D' APRON & ACCESS ROAD  
NTS

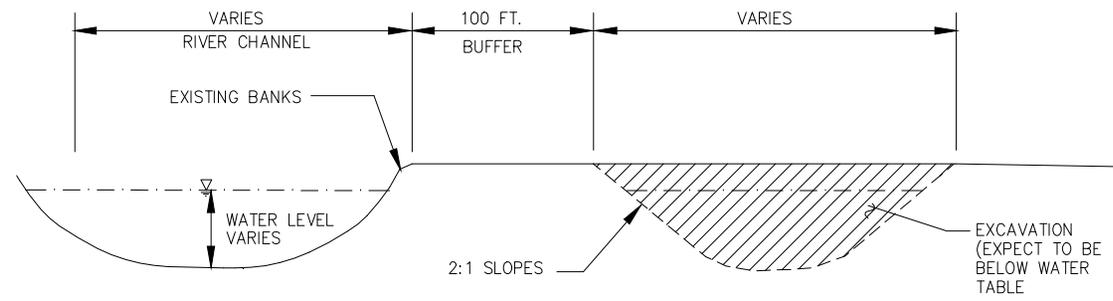
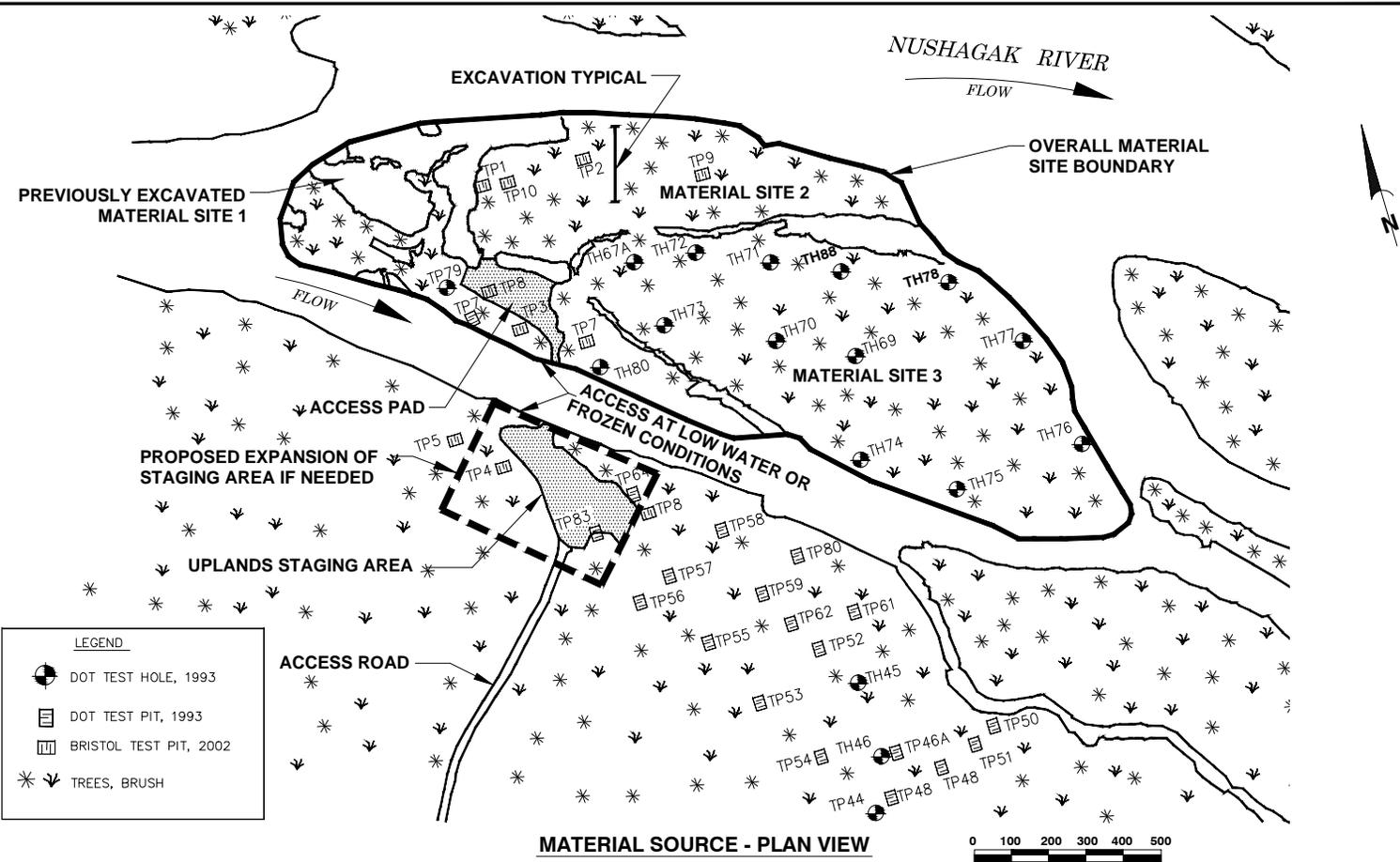
ACOE PERMIT M-930192  
 DOT&PF PROJECT #59276  
 KOLIGANEK AIRPORT RECONSTRUCTION  
 LOCATION: T5S, R46W, SEC. 1  
 USGS DILLINGHAM, C-4  
 WATER BODY: NUSHAGAK RIVER  
 Sheet 6 of 8 Date: 9/24/12  
**APRON & ACCESS ROAD TYPICAL SECTIONS**



**MATERIAL SOURCE - PLAN VIEW**



ACOE PERMIT M-930192  
 DOT&PF PROJECT #59276  
 KOLIGANEK AIRPORT RECONSTRUCTION  
 LOCATION: T5S, R46W, SEC. 1  
 USGS DILLINGHAM, C-4  
 WATER BODIES: NUSHAGAK RIVER  
 Sheet 7 of 8      Date: 9/24/12  
**PROPOSED MATERIAL SITE**



**MATERIAL SITE EXCAVATION TYPICAL**  
APPROXIMATE

ACOE PERMIT M-930192  
 DOT&PF PROJECT #59276  
 KOLIGANEK AIRPORT RECONSTRUCTION  
 LOCATION: T5S, R46W, SEC. 1  
 USGS DILLINGHAM, C-4  
 WATER BODIES: NUSHAGAK RIVER  
 Sheet 8 of 8 Date: 9/24/12  
**PROPOSED MATERIAL SITE**