



Iditarod Dog Sledding Historic District Workshop

Tuesday, June 28, 2011

6:00-8:00 pm

Willow Area Community Organization Center, Willow, Alaska

AGENDA

- I. Welcome and Introductions - Rosetta Alcantra, HDR
- II. Purpose/Format of the Iditarod Dog Sledding Historic District (IDSHD) Workshop - Rosetta Alcantra, HDR
 - a. Overall Goals of the IDSHD Workshop
 1. Provide project update and background
 2. Develop Area of Potential Effect (APE)
 3. Identify/discuss important features, functions and uses of IDSHD trails/structures in the APE
 4. Identify/discuss potential mitigation measures for IDSHD trails/structures in APE
 - b. Participant Goals?
 - c. Alaska State Historic Preservation Office (SHPO) – Involvement and Goals
 - d. Workshop Format
- III. Project Update and Background - Brian Lindamood, ARRC
- IV. Section 106 Process Overview - Elizabeth Grover, HDR
 - a. What is the consultation process for the PMRE project?
 - b. What is an APE?
 1. What is the proposed APE for the PMRE project?
 - c. What is a historic district/cultural landscape?
 1. What is the IDSHD?
- V. Break into Small Working Groups
- VI. Small Working Groups Report Back
- VII. Next Steps
- VIII. Adjournment



Section 106 Facts

Project Description

The Matanuska-Susitna Borough (MSB) and the Alaska Railroad Corporation (ARRC) propose to construct a 32-mile rail line in the Susitna River Valley to connect the Borough's Port MacKenzie to the Alaska Railroad Corporation's (ARRC) existing mainline track just south of Houston. The proposed rail line would provide freight services between the Port and Interior Alaska.

On March 25, 2011, the Surface Transportation Board (STB) recommended the Mac Central and Houston South as the selected route in the Final Environmental Impact Statement for the Port MacKenzie Rail Extension.

The federal board approves all new rail line construction in the nation. The 32-mile rail extension will link the deepwater Port MacKenzie to the mainline of the Alaska Railroad. The STB finding finalizes a rigorous environmental impact study, field work and public involvement process that began in 2007.

Project Schedule

March 2011:	Release of Final EIS.
April 2011:	Permit Application Package Submittal
Late Spring 2011:	Record of Decision
2011-2012:	Construction of Mac Central Segment anticipated ending near Ayrshire Avenue.
2012-2013:	Construction of Modified Connector 3, Houston and Houston South segments.
2013-2014:	Track and railroad facilities to be constructed.

Purpose of the Iditarod Dog Sledding Historic District Workshop

The new rail line will cross several officially recognized recreational trails within the Iditarod Dog Sledding Historic District (IDSHD).

The Programmatic Agreement (PA)—a document that describes the actions that will be taken by the parties in order to meet their responsibilities under the National Historic Preservation Act (NHPA)—between the Surface Transportation Board, Advisory Council on Historic Preservation, and Alaska State Historic Preservation Officer determined that the Iditarod Dog Sledding Historic District is eligible for listing in the National Register of Historic Place at the national level of significance between 1967 and 1978.

This workshop is being held to review the important features, functions and uses of IDSHD trails/structures in the project area, and to determine how trail access will remain intact during and after construction.

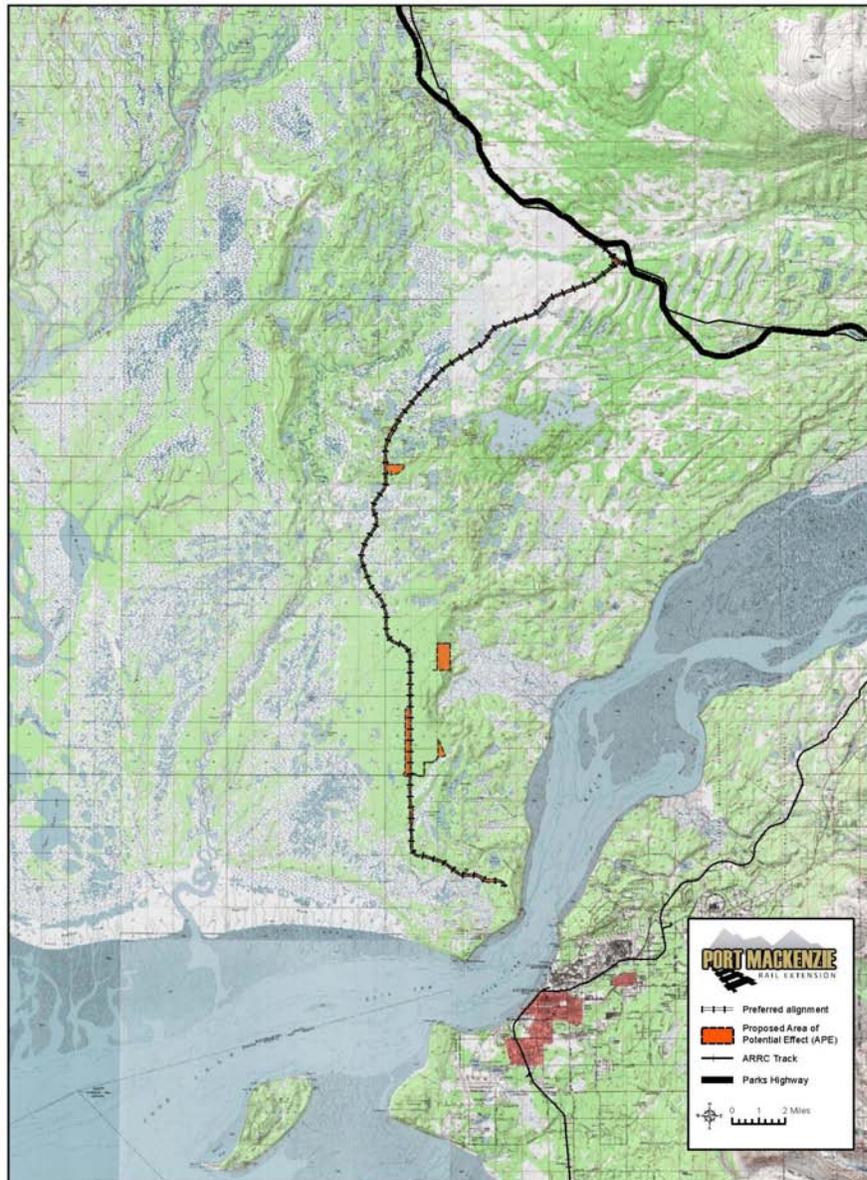
During the workshop, participants will review ARRC's plans for trail crossings and other mitigation measures. Within 60 days after the workshop ARRC will summarize the outcome of the workshop and develop an implementation plan.

In addition, the workshop will identify those individuals who wish to become consulting parties* under Section 106 of the NHPA, and who are interested in working with the ARRC as part of a focus group to fully review and understand the historic significance of the district. This group will review the proposed final Area of Potential Effect (the geographic area or areas within which a project, activity, program or practice may cause changes in the character or use of any cultural resources present).

* A consulting party can be any person or group that has demonstrated a legal/economic relation to a project or demonstrated interest in the project's effects on historic properties (or cultural resources eligible for listing on the National Register).



Proposed Area of Potential Effect Map



General Contact Information

Borough Contact:
Patty Sullivan, MSB Public Affairs Director
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Railroad Contact:
Stephenie Wheeler, ARRC Corporate
Communications Officer
Phone: (907) 265-2671
Email: wheelers@akrr.com

Section 106 Contact Information

Alaska State Historic Preservation Office Contact:
Doug Gasek, Architectural Historian
Phone: (907) 269-8726
Email: Doug.Gasek@alaska.gov

HDR Alaska, Inc. Contact:
Elizabeth Grover, Cultural Resources Specialist
Phone: (907) 644-2077
Email: Elizabeth.Grover@hdrinc.com

Please discuss the following questions:

- Does the proposed APE encompass the areas where impacts would likely occur? If not, where should the APE be altered to include these areas?
- What are important features, functions and uses of IDSHD trails/structures in the proposed APE (e.g., access and connectivity, visual way finders, or different/distinct uses [freight, training, races])?
- Do you feel that the PMRE project will affect dog sledding or the features, functions and uses of IDSHD trails through the proposed APE? If so, how?
- What can be done to further reduce these impacts?




PORT MACKENZIE

RAIL EXTENSION

Have more to contribute? Join the

Focus Group

Are you a long-term user of the trail system in the project area? Are you familiar with the trails use and function during the historic period of significance, 1967 - 1978? If so, please join the Port MacKenzie Rail Extension Focus Group to help the project team identify information about the historic trails and features within the Iditarod Dog Sledding Historic District. In addition, this group will assist in delineating the proposed Area of Potential Effect. The focus group is tentatively scheduled to meet on July 7, 2010. Please attend and be a part of one of the largest infrastructure projects the Matanuska-Susitna Borough has seen since 1971. For more project information visit:

www.portmacrail.com

Have Questions?

Section 106 Contacts

Alaska State Historic Preservation Office Contact:

Doug Gasek, Architectural Historian

Phone: (907) 269-8726

Email: Doug.Gasek@alaska.gov

HDR Alaska, Inc. Contact:

Elizabeth Grover, Cultural Resources Specialist

Phone: (907) 644-2077

Email: Elizabeth.Grover@hdrinc.com





WELCOME to the Iditarod Dog Sledding Historic District (IDSHD) Workshop

June 28, 2011

Willow Area Community Organization
Center
Willow, Alaska

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Agenda

- Welcome and Introductions - Rosetta Alcantra, HDR
- Purpose/Format of Workshop - Rosetta Alcantra, HDR
 - Overall Goals
 - Provide project update and background
 - Area of Potential Effect (APE)
 - Identify/discuss important features, functions, and uses of IDSHD trails/structures in the APE
 - Identify/discuss potential mitigation measures for IDSHD trails/structures in the APE
 - Future workshops/meetings if necessary (July 7 – focus group, July 19 – workshop)
 - Participant Goals
 - Alaska State Historic Preservation Office (SHPO) – Involvement and Goals
 - Workshop Format

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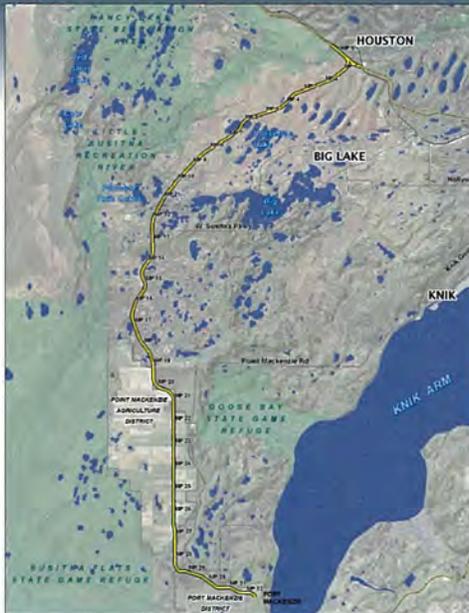
Agenda (Cont'd.)

- Project Update and Background - Brian Lindamood, ARRC
- Section 106 Process Overview - Elizabeth Grover, HDR
 - What is the consultation Process for the PMRE Project?
 - What is an APE?
 - What is the proposed APE for the PMRE project?
 - What is a historic district/cultural landscape?
 - What is the IDSHD?
- Break into Small Working Groups
- Small Working Groups Report Back
- Next Steps
- Adjournment

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Project Background/Update



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Project Schedule



- March 25, 2011 – Release of Final Environmental Impact Statement
- Spring 2011 – Permit Applications submitted to State and Federal agencies and MSB for review and comment
- Summer 2011 – STB provides Record of Decision
- Construction (in segments) scheduled to begin in Summer 2011

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Crossing Summary



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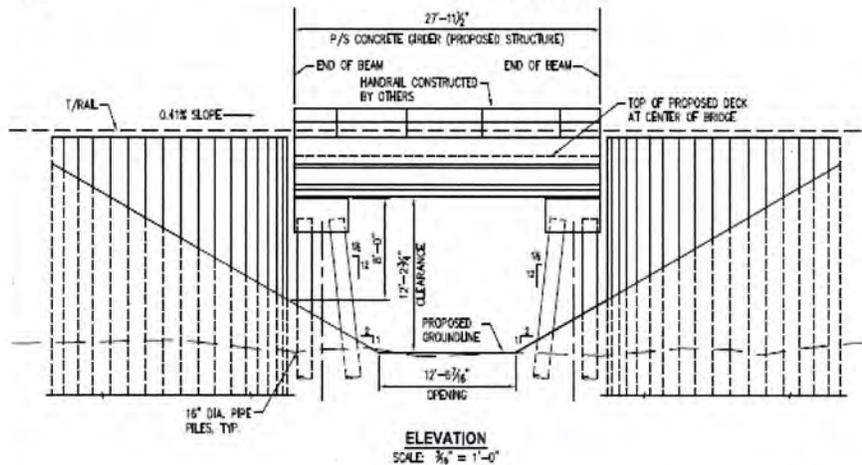
Mac Central, Houston South Alignment Key Construction Elements

- 32.2 miles of rail
- Approx. 200 foot right-of-way
- 16 crossings, including:
 - 8 at-grade crossings of roads and trails
 - 4 grade separations (3 bridges and 1 large culvert) of trails
 - 5 multi-purpose crossing structures
- Terminal reserve area
- Drainage structures to maintain drainage
- Rail bridge over Little Susitna River (120-foot span)
- 6.57 miles of rail line will cross Agricultural Project area
- Constructed by end of 2014 depending on funding

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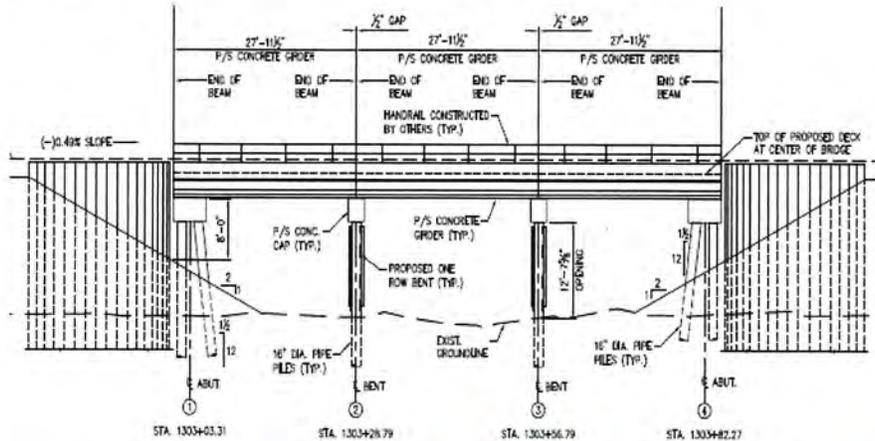
Trail Crossing – Iditarod Trail



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Triple-Span Multi-Purpose Crossing



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What is Section 106?

- Section 106 of the National Historic Preservation Act and its implementing regulations - 36 CFR 800 (Protection of Historic Properties)
- Section 106:
 - ✓ Applies to projects where there is Federal funding; permits, licenses or approvals; or oversight
 - ✓ Requires Federal agencies to "take into account" the effects of their undertakings on "historic properties"
 - ✓ Ensures that preservation values are considered in Federal project planning and decisions

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Four Steps of the Section 106 review

1. Initiate Section 106 process (e.g., establish undertaking, identify consulting parties)
2. Identify historic properties (e.g., determine scope of efforts, identify historic properties)

*A **historic property** is any cultural resource that has been listed on or determined eligible for the National Register of Historic Places*

3. Assess Effects (i.e., determine if historic properties will be adversely affected by the undertaking)
4. Resolve Adverse Effects (i.e., continue consultation to resolve adverse effects)

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What is consultation?

The process of seeking, discussing, and considering the views of other participants, and, where feasible, seeking agreement with them regarding matters arising in the Section 106 process (36 CFR 800.16.f)

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History of Consultation and the PMRE Project

- STB is responsible for identifying Section 106 consulting parties
- STB initiated consultation:
 - Government-to-Government consultation with Tribes and Tribal organizations (2008) and Section 106 consultation (2/5/2009)
 - Section 106 consultation with the SHPO's office (6/19/2008); STB met with SHPO prior to this (3/2008) to discuss identification efforts
 - Section 106 consultation with other parties (2/5/2009): MSB Historic Preservation Commission, Cook Inlet Historical Society, Wasilla-Knik Historical Society, Willow Creek Historical Society, Museum of Alaska Transportation and Industry, Palmer Historical Society, Willow Dog Musers Association, Happy Trails Kennels, and Dream a Dream Dog Farm
 - Section 106 consultation with ACHP (8/2/2010)
- Consulting parties met in October, 2010 to discuss draft Programmatic Agreement and participated in a follow-up teleconference (2/24/2011)

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Section 106 Consultation Participants

Participants in Section 106 consultation include:

- Federal agencies (e.g., STB)
- Advisory Council on Historic Preservation (ACHP)
- State Historic Preservation Officer (SHPO)
- Tribal governments and corporations (e.g., Knik Tribal Council)
- Local government (e.g., MSB)
- Applicants for Federal assistance/approval (e.g. ARRC)
- Other consulting parties
 - demonstrated legal/economic interest in the project
 - demonstrated concern about potentially affected historic properties
- Public

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Identifying/Inviting Consulting Parties

- Federal agency consults with SHPO to identify consulting parties
- Consulting parties can be identified throughout Section 106 process
- Federal agency invites consulting parties in writing
- Federal agency must consider and respond to all written requests for participation as a consulting party
- Communication between Federal agency and consulting party occurs throughout the Section 106 process

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Why be a Consulting Party?

- Learn more about the prehistory/history of the Project area
- Share information about local prehistory/history
- Share information about specific cultural resources in the Project area
- Share your concerns with the Federal agency regarding potential effects to cultural resources from the Project
- Let the Federal agency know what cultural resources are important to you
- Share your thoughts on how effects to historic properties can be mitigated or minimized

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What is an APE?

The Area of Potential Effect (APE) is an area where an undertaking may directly or indirectly cause changes in the character or use of a historic property

- Direct effects (e.g., places where ground-disturbing activity will occur such as right-of-ways)
- Indirect effects (e.g., visual, noise, vibration)

Proposed APE* for the PMRE Project

*see map series in
Participant packet for
further detail



PMRE Project APE

- Preliminary APE was defined as 1 mile on either side of the rail centerline
 - Broad study area for identification of historic properties that could be sensitive to visual or noise effects
 - Broadly encompassed the anticipated maximum extent for visual effects that could affect features that make a historic property eligible for the NRHP, especially in areas with low vegetation and flat topography
- Final APE will be based on final construction plans for the licensed alternative and may be closer to the rail centerline

What is a Cultural Landscape?

“...a geographic area, including both cultural and natural resources and the wildlife or domestic animals therein, associated with a historic event, activity, or person or that exhibit other cultural or aesthetic values”
(Page, Gilbert, and Dolan 1998:12 as cited in SRB&A 2010)

What is a Cultural Landscape?

- NPS recognizes four types of cultural landscapes:
 - Historic designed landscapes (e.g., cemetery, parks, gardens)
 - Historic vernacular landscapes (e.g., IDSHD, rural villages, industrial complexes, agricultural landscapes)
 - evolved through human activities/occupancy
 - Historic sites (e.g. presidential properties, battlefields)
 - Ethnographic landscapes (e.g., religious sacred sites, massive geological features with cultural significance)
- Listed on the NRHP as sites or districts

Characteristics of a Cultural Landscape

- Natural systems/features
- Spatial organization
- Buildings, structures and/or archaeological sites
- Land use
- Views/vistas
- Cultural traditions
- Circulation (i.e., systems of movement)
- Topography

Contributing Features/Resources

- Does the feature add to the historic significance of the landscape?
- A contributing resource is:
 - A building, site, structure, or object that adds to historic significance
 - An independent cultural resource that could be significant outside of the cultural landscape
- A contributing feature is:
 - Vegetation, water bodies and other natural features, views/vistas, spatial organization
 - Not significant outside of the cultural landscape

What is a Historic District?

A Historic District:

- Is a property category (e.g., site, building, structure, object, district) in the NRHP
- Possesses a “significant concentration, linkage, or continuity of sites, buildings, structures, or objects united historically or aesthetically by plan or physical development” (NPS NRHP Bulletin 15)

What is a Historic District?

- A Historic District:
 - Is comprised of multiple resources that are unified in some way (e.g., event/activity, person, architecture, site type)
 - Gets its identity from the interrelationship of its resources
 - Can reflect a single event/activity or several interrelated events/activities
 - Can include features that are individually distinct and/or lack individual distinction

What is a Historic District?

- A district must be a definable geographic area that can be distinguished from surrounding areas
- District boundaries are based upon a shared relationship among properties constituting the district
- Discontiguous districts may be composed of two or more definable significant areas separated by nonsignificant areas such as:
 - Elements are spatially discreet
 - Space between elements is not related to the significance of the district
 - Visual continuity is not a factor in the district's significance
 - Not appropriate for including isolated elements that have become separated due to demolition or new construction
 - An example could include a canal system where man-made sections are interspersed with natural sections of river



What is the IDSHD?

- Illustrates the historic significance of dog sledding in study area
 - SHPO concurred with NRHP eligibility for the 1967-1978 period associated with the Iditarod Race (9/1/2010)
 - 1967 marked the inaugural run of the Iditarod Race
 - 1978 marked the nomination of the Iditarod as a National Historic Trail

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IDSHD Documentation

- SRB&A conducted interviews in August/September 2009
- SRB&A researchers interviewed members/personnel of:
 - Aurora Dog Musers Club
 - Dog Mushing Program of the Little Su 4-H Club
 - Knik Musers
 - Willow Dog Musers Association
 - Iditarod Trail Sled Dog Race Headquarters
 - Musers Feed and Supply
 - Alaskan Kennels
 - Happy Trails Kennels

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IDSHD Recommended Contributing Trails

- SRB&A 2010 recommended 15 contributing trails:
 - **INHT (Knik to Susitna Station; 1898-1925/1967-1978)**
 - **Iditarod Sled Dog Race Trail (1967-1978)**
 - Lucky Shot Trail (1898-1925/1967-1978)
 - Corral Hill Trail (1898-1925/1967-1978)
 - **Flat Horn Lake Trail (1967-1978)**
 - Nancy Lake-Susitna Trail (1898-1925)
 - Red Shirt Lake-Nancy Lake Trail System (1967-1978)
 - Herring Trail (1898-1925/1967-1978)
 - Aurora Dog Mushing Club Trail System (1967-1978)
 - **USGS Transmission Line Trail (1967-1978)**
 - **Five USGS Base Map Winter Trails (1967-1978)**

Note: Trails in bold text are crossed by the APE

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Recommended Contributing Resources (SRB&A 2010: Map 6)

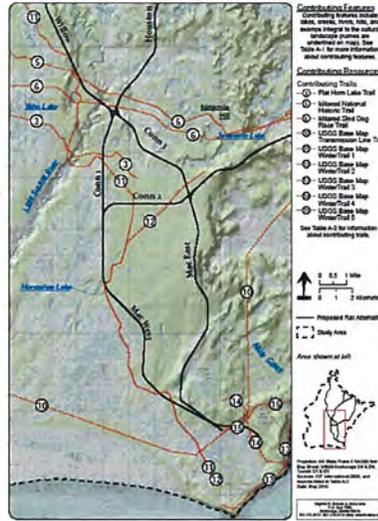


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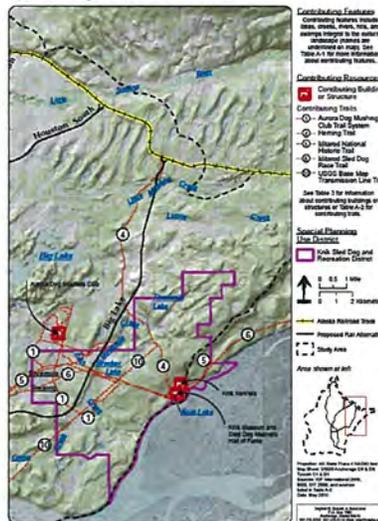
Recommended
Contributing Resources
(SRB&A 2010: Map 8)

Map 8 Contributing Features and Resources, Part 2 of 5



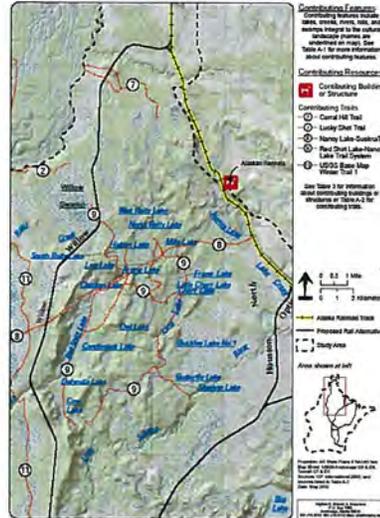
Recommended
Contributing Resources
(SRB&A 2010: Map 9)

Map 9 Contributing Features and Resources, Part 3 of 5



Recommended
Contributing Resources
(SRB&A 2010: Map 10)

Map 10 Contributing Features and Resources, Part 4 of 5



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Summary of IDSHD

- Iditarod Dog Sledding Cultural Landscape/IDSHD consists of:
 - Trails/travel routes
 - Buildings/structures
 - Specified natural systems/features
- Is eligible for listing in the NRHP under Criterion A (important events) and Criterion Consideration G (properties that have achieved significance in the last 50 years) at the national level
- Eligible for its association with events (1967-1978) that have made a significant contribution to broad patterns of Alaska history, specifically the theme of recreation related to the Iditarod Race and its development

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Additional Information

- PMRE Project website <http://www.portmacrail.com/>
- Citizen's Guide to Section 106 – ACHP 2010
<http://www.achp.gov/docs/CitizenGuide.pdf>
- NPS Preservation Brief "Protecting Cultural Landscapes: Planning, Treatment and Management of Historic Landscapes"
<http://www.cr.nps.gov/hps/tps/briefs/brief36.htm>
- PMRE Final Environmental Impact Statement (FEIS)
<http://www.stbportmacraileis.com/feis-document-list.html>
- Port MacKenzie Rail Extension Project Report of 2009 Cultural Resources Fieldwork – Stephen R. Braund & Associates 2010



For more information

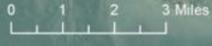
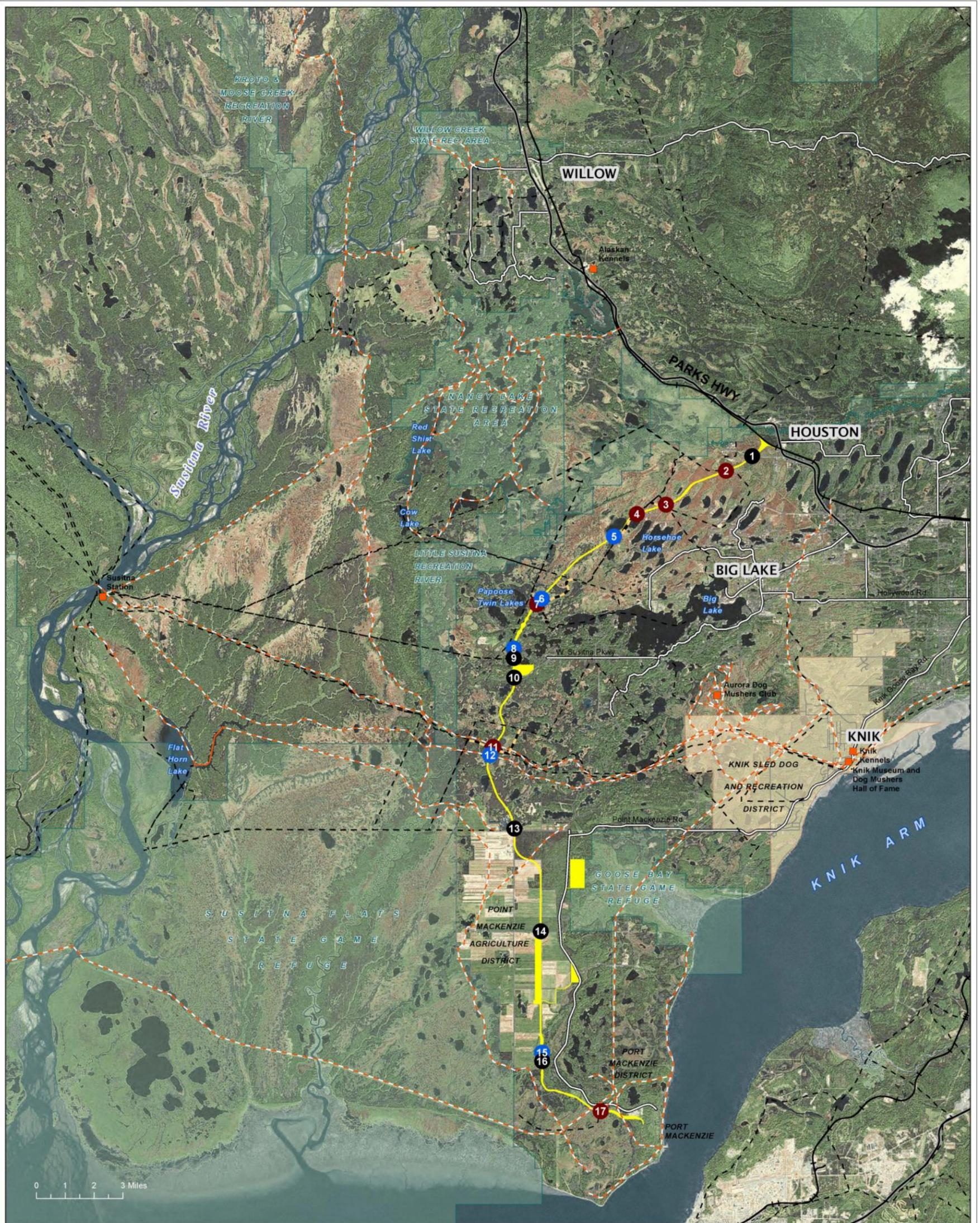
Please contact:

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Doug Gasek, Architectural Historian, Alaska State Historic Preservation Office
Phone: (907) 269-8726
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Visit: www.portmacrail.com





Crossing Locations

- Proposed Area of Potential Effect (APE)
- Proposed trail re-route
- Contributing trail
- Contributing structure
- Trail

Crossing Types

- Road
- Multi-purpose
- Trail

Crossing Type Summary

① Millers Reach Rd.	At-Grade	⑩ W Susitna Pkwy	At-Grade
② Unnamed Big Lake Rec.Trail	At-Grade	⑪ Iditarod Trail	Bridge
③ Unnamed Big Lake Rec.Trail	At-Grade	⑫ H-0.8 - outlet of Diamond Lake	Bridge
④ Houston Lake Loop Trail (Crossing)	Bridge	⑬ W Ayrshire Ave.	At-Grade
⑤ H-9.6 - Outflow of Muleshoe Lake	Bridge	⑭ W Holstein Ave.	At-Grade
⑥ H-6.3 - Tributary of Little Su	Bridge	⑮ MC-4.5 - Unnamed Stream	Bridge
⑦ Flat Lake Connectors Trail (Iron Dog Trail)	Bridge	⑯ Baker Farm Road	At-Grade
⑧ H-4.3 - Tributary of Little Su	Bridge	⑰ Figure 8 Lake Loop Trail	19' Culvert
⑨ W Papoose Twins Rd.	At-Grade		

Unnamed Big Lake Recreation Trail

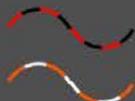


Unnamed Big Lake Recreation Trail



Crossing Locations

Proposed Area of Potential Effect (APE)



Proposed trail closure

Contributing Trails



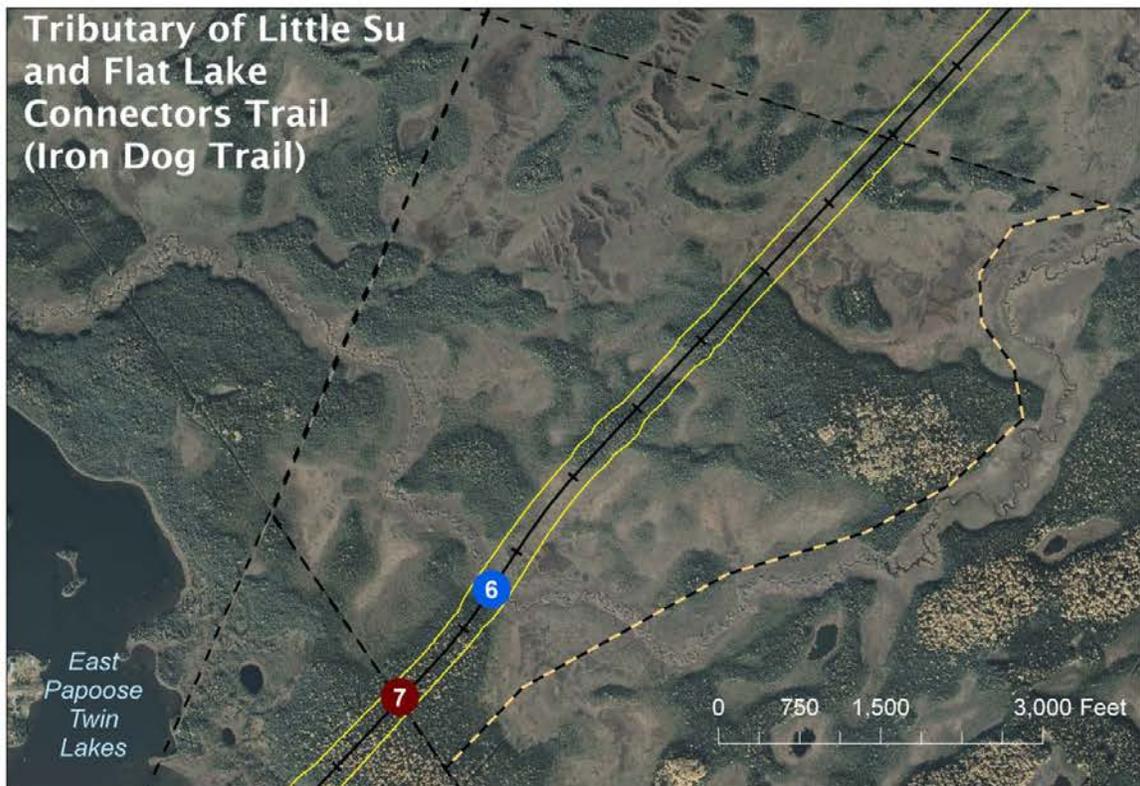
Trail

Rail Centerline

Houston Lake Loop Trail and Outflow of Muleshoe Lake

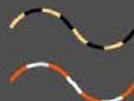


Tributary of Little Su and Flat Lake Connectors Trail (Iron Dog Trail)



Crossing Locations

Proposed Area of Potential Effect (APE)



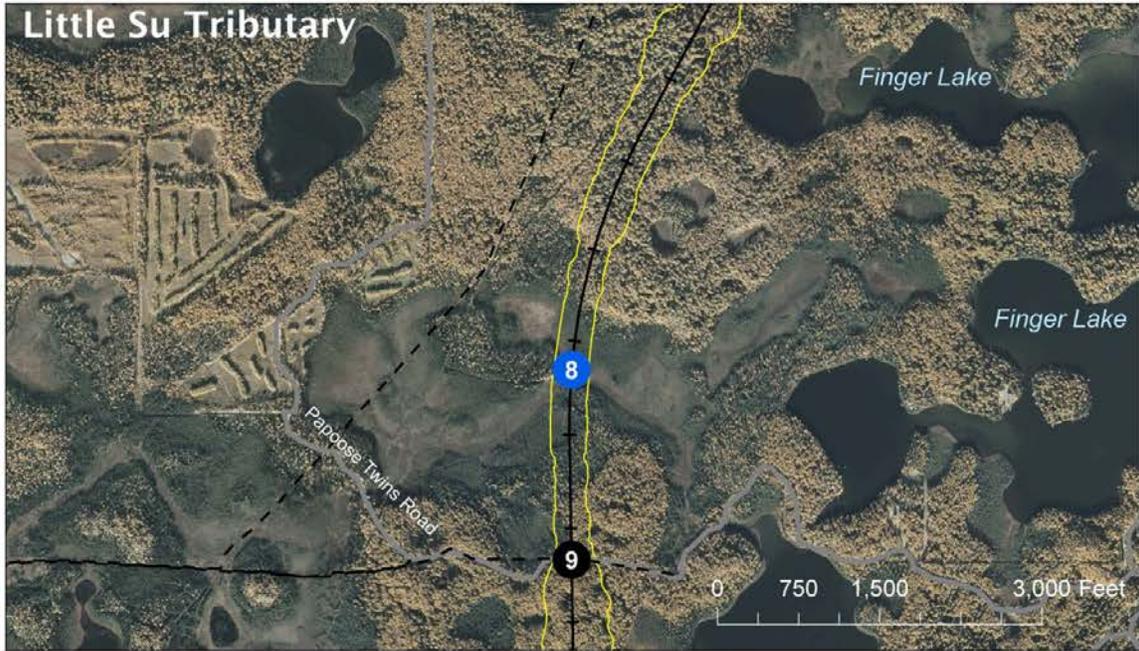
Proposed trail re-route

Contributing Trails

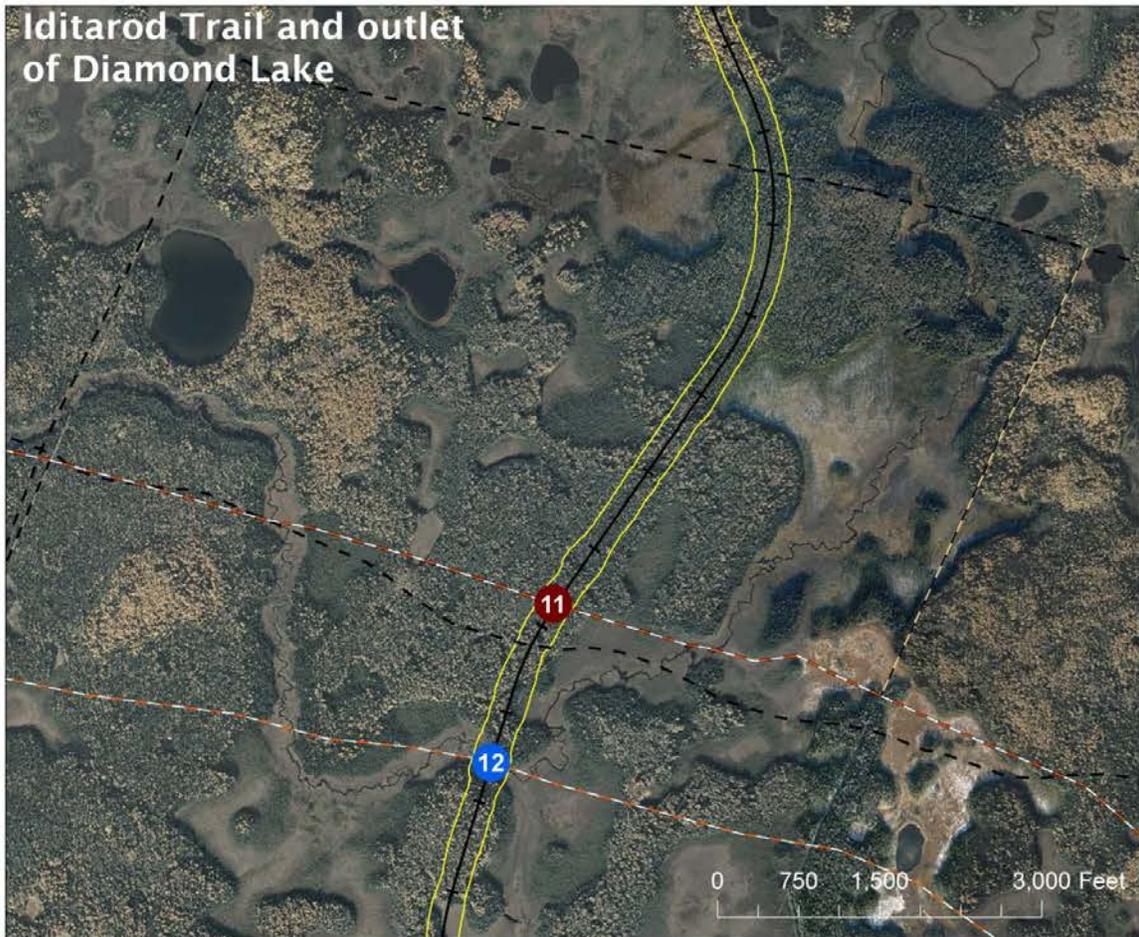
Trail

Rail Centerline

Little Su Tributary



Iditarod Trail and outlet of Diamond Lake



Crossing Locations

Proposed Area of Potential Effect (APE)



Proposed trail re-route



Trail



Contributing Trails



Rail Centerline

MC-4.5 Unnamed Stream

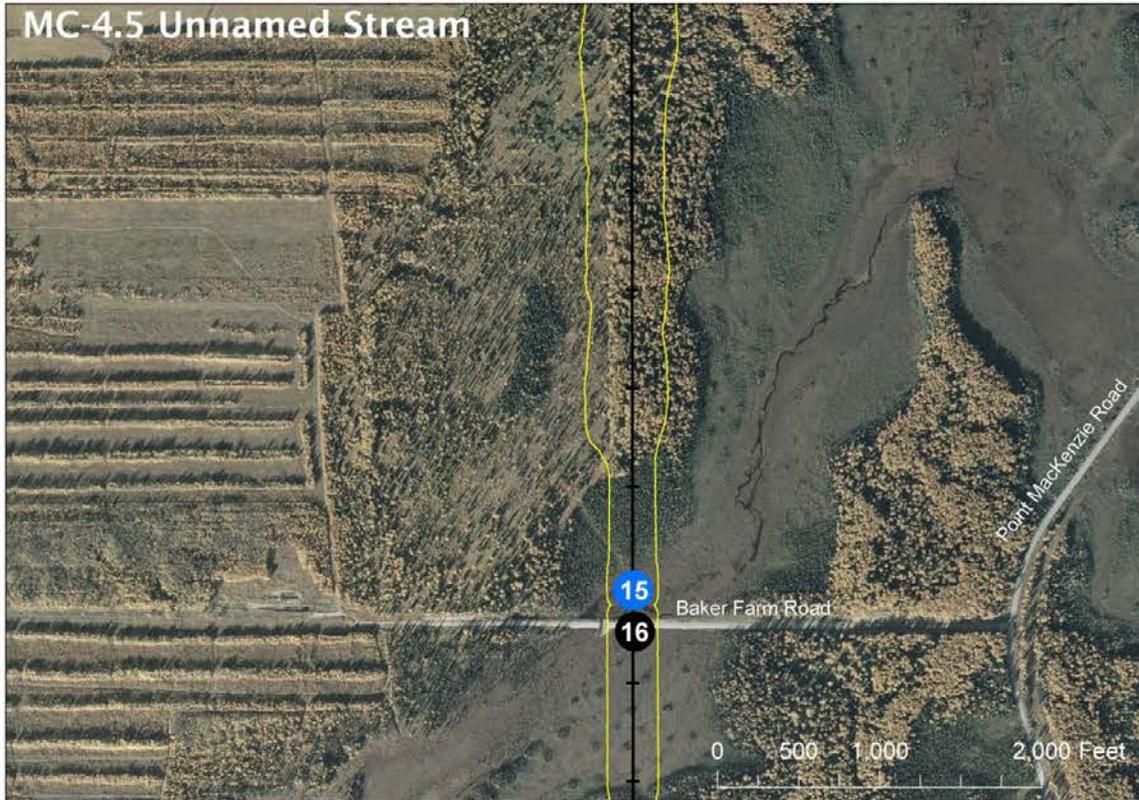
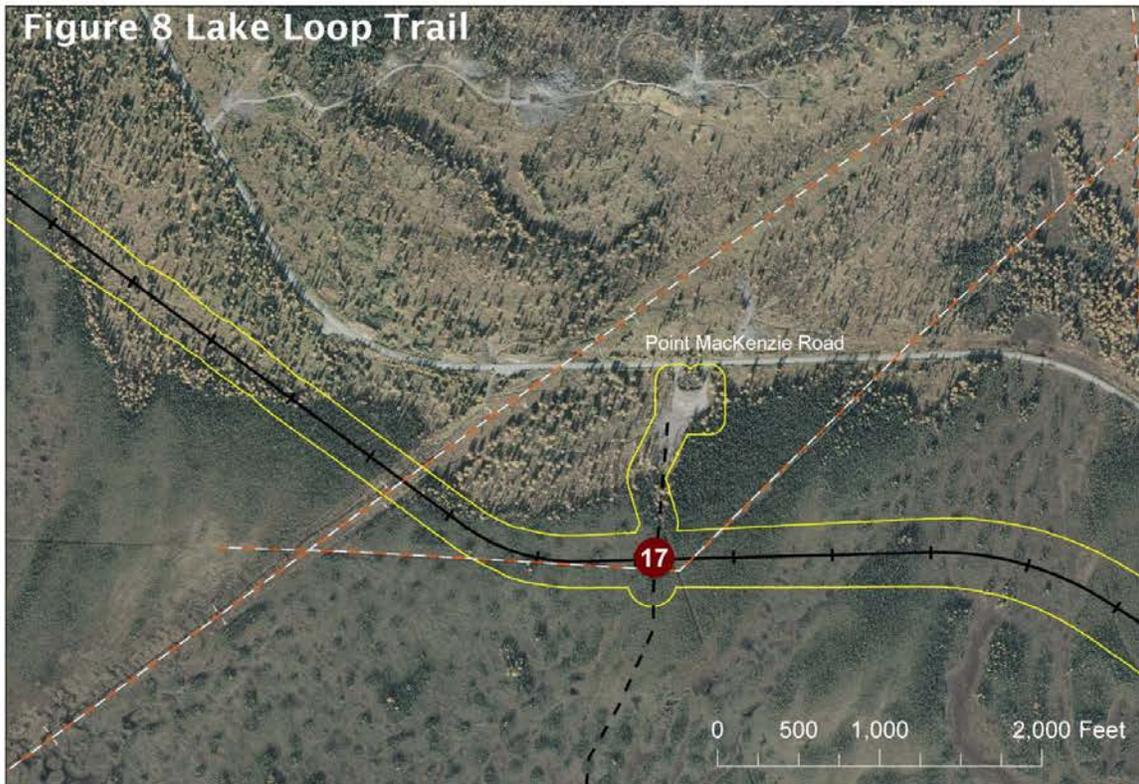


Figure 8 Lake Loop Trail



Crossing Locations

Proposed Area of Potential Effect (APE)



Proposed trail re-route

Contributing Trails



Trail



Rail Centerline

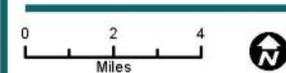
FIGURE 1



Project Area Vicinity and Area of Potential Effect

LEGEND

- Proposed Area of Potential Effect (APE)
- Proposed Alternative
- ARRC Track
- Highway
- Medium Rd
- Minor Rd
- Park or Refuge



Date: April 25, 2011
 Projection: Alaska State Plane Zone 4, NAD 83
 Author: HDR Alaska, Inc.
 Sources: DNR, MSB, HDR Alaska, Inc., Hanson

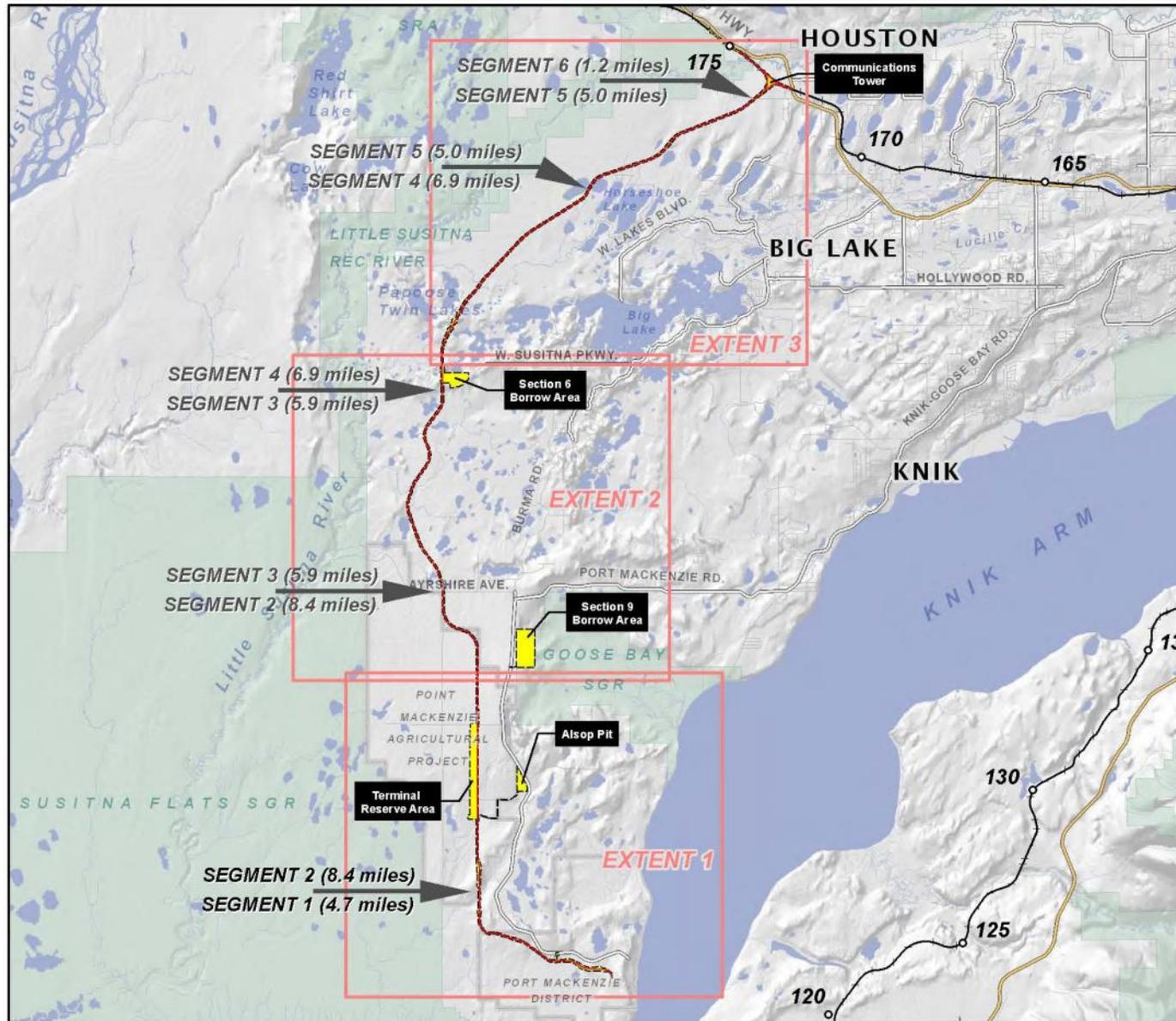


FIGURE 2

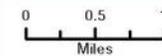


Area of Potential Effect
USGS Base
Extent 1

LEGEND

- Proposed Area of Potential Effect (APE)
 - Proposed Alternative
 - Trail
 - Proposed Contributing Trails, SRB&A 2010
- Separated Grade Crossings
- Trail
 - Multi-Purpose
- At-Grade Crossings
- Road
 - Trail

NOTE: Crossing locations are based from Mat-Su Borough GIS and field survey data and may not align with what is shown on the USGS base map.



Date: May 12, 2011
 Projection: Alaska State Plane Zone 4, NAD 83
 Author: HDR Alaska, Inc.
 Sources: HDR Alaska, Inc., Hanson
 Base map: USGS 1:63,360
 ANCHORAGE (8-8), TYONEK (8-1)

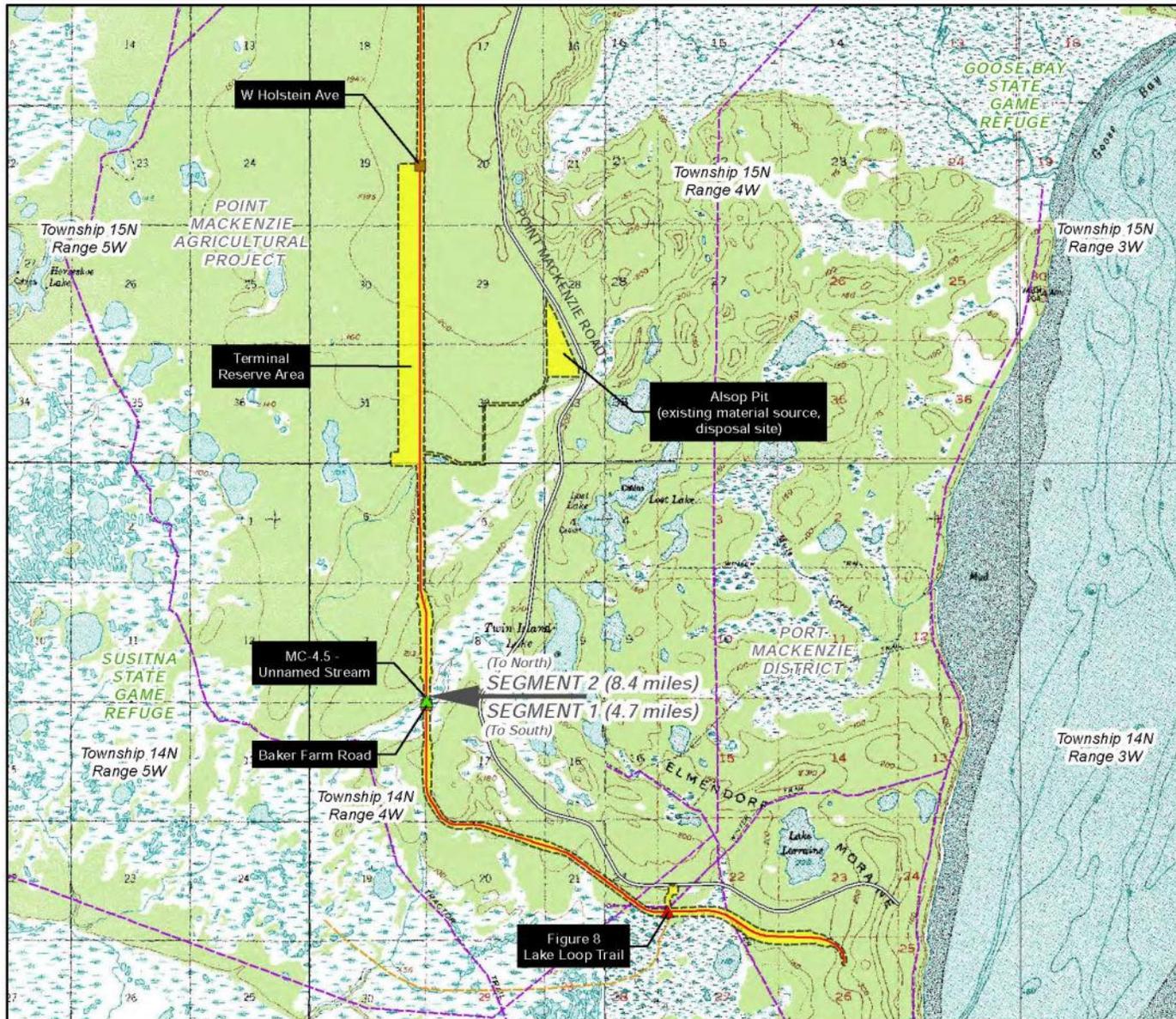


FIGURE 3

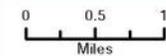


Area of Potential Effect
USGS Base
Extent 2

LEGEND

-  Proposed Area of Potential Effect (APE)
-  Proposed Alternative
-  Trail
-  Proposed Contributing Trails, SRB&A 2010
- Separated Grade Crossings
 -  Trail
 -  Multi-Purpose
- At-Grade Crossings
 -  Road
 -  Trail

NOTE: Crossing locations are based from Mat-Su Borough GIS and field survey data and may not align with what is shown on the USGS base map.



Date: May 12, 2011
 Projection: Alaska State Plane Zone 4, NAD 83
 Author: HDR/Alaska, Inc.
 Sources: HDR/Alaska, Inc., Hanson
 Base map: USGS 1:63,360
 ANCHORAGE (8-B-C-8), TYONEK (8-1-C-1)

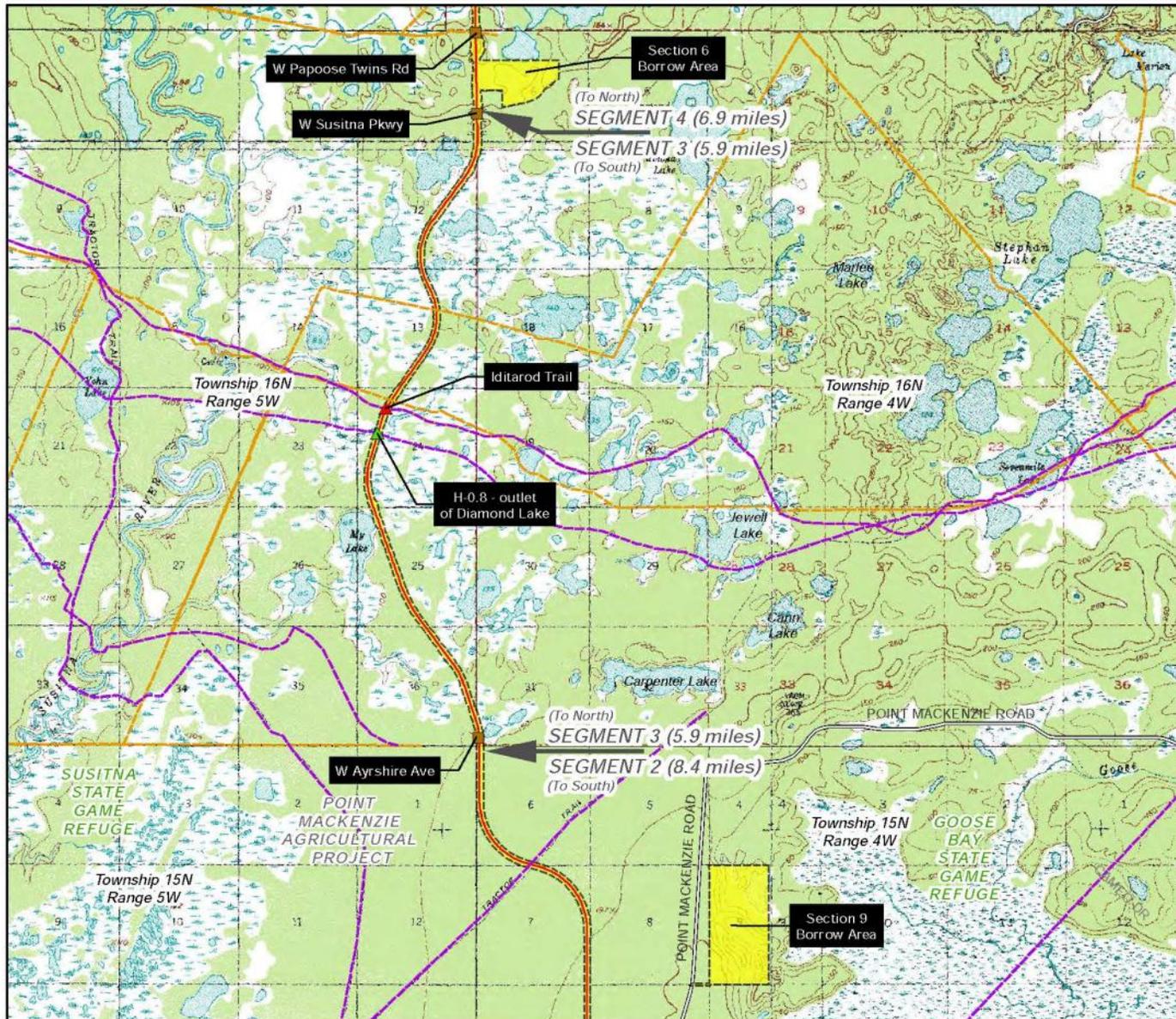


FIGURE 4

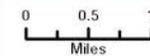


Area of Potential Effect
USGS Base
Extent 3

LEGEND

- Proposed Area of Potential Effect (APE)
- Proposed Alternative
- Trail
- Proposed Contributing Trails, SRB&A 2010
- Separated Grade Crossings
 - Trail
 - Multi-Purpose
- At-Grade Crossings
 - Road
 - Trail

NOTE: Crossing locations are based from Mat-Su Borough GIS and field survey data and may not align with what is shown on the USGS base map.



Date: May 12, 2011
 Projection: Alaska State Plane Zone 4, NAD 83
 Author: HDR/Alaska, Inc.
 Sources: HDR/Alaska, Inc., Hanson
 Base map: USGS 1:63,360
 ANCHORAGE (C-8), TYONEK (C-1)

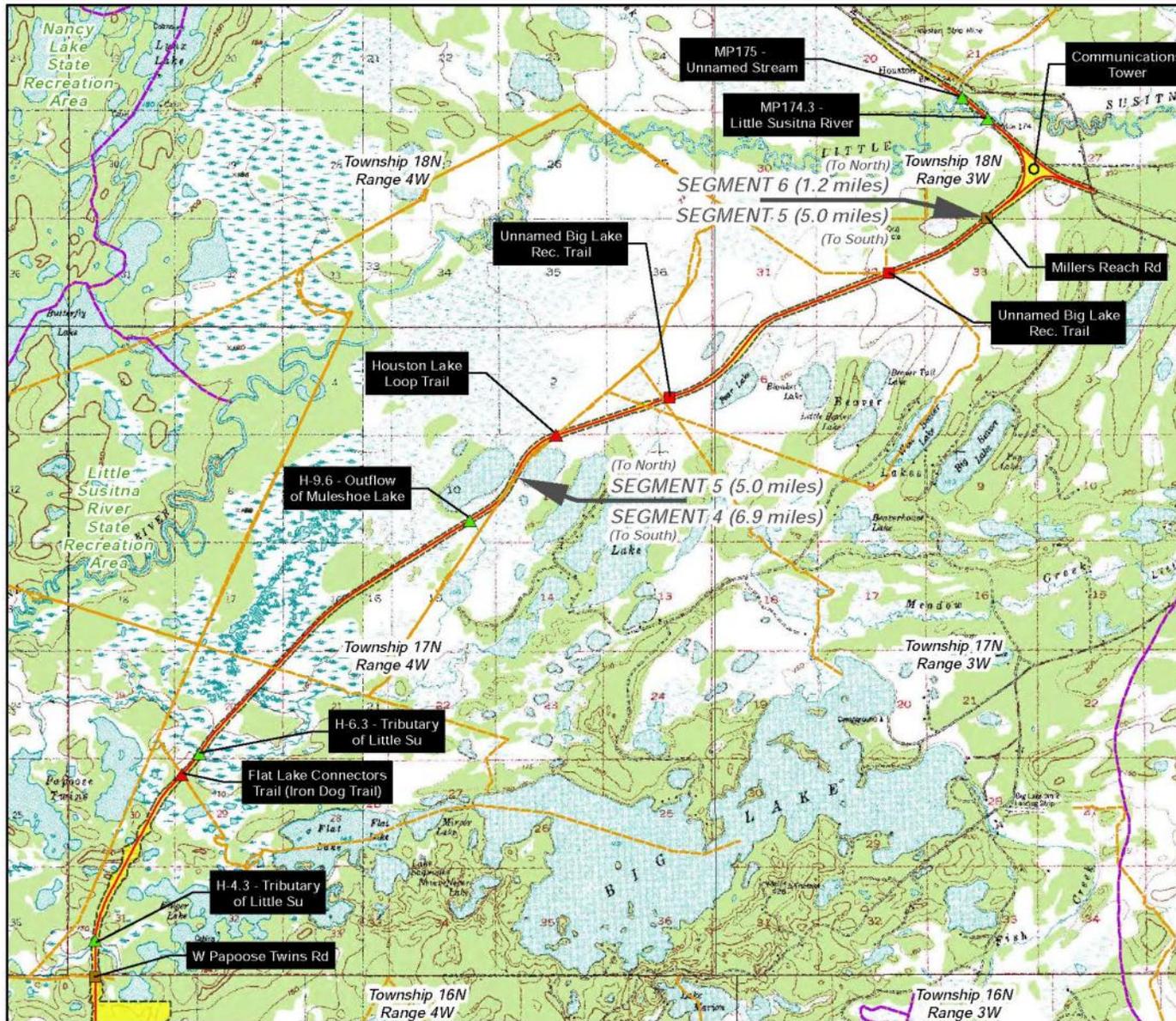


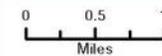
FIGURE 5



Area of Potential Effect
Aerial Imagery
Extent 1

LEGEND

- Proposed Area of Potential Effect (APE)
- Proposed Alternative
- Trail
- Proposed Contributing Trails, SRB&A 2010
- Highway
- Medium Rd
- Minor Rd
- Separated Grade Crossings**
 - Trail
 - Multi-Purpose
- At-Grade Crossings**
 - Road
 - Trail



Date: May 12, 2011
 Projection: Alaska State Plane Zone 4, NAD 83
 Author: HDR Alaska, Inc.
 Sources: HDR Alaska, Inc., Hanson
 Basemap: NRCS Imagery 2004

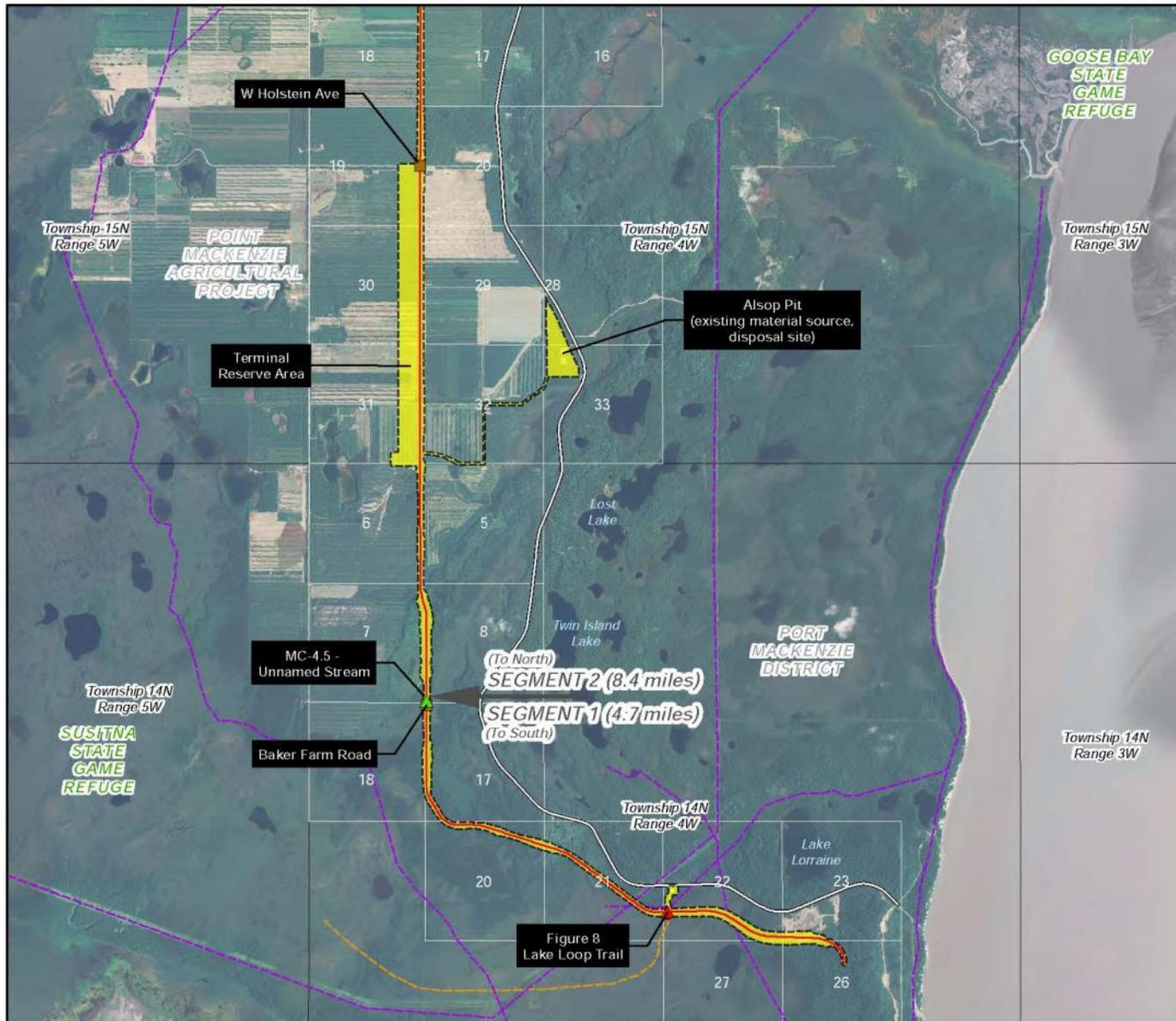


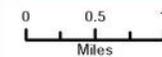
FIGURE 6



Area of Potential Effect
Aerial Imagery
Extent 2

LEGEND

- Proposed Area of Potential Effect (APE)
- Proposed Alternative
- Trail
- Proposed Contributing Trails, SRB&A 2010
- Highway
- Medium Rd
- Minor Rd
- Separated Grade Crossings**
 - Trail
 - Multi-Purpose
- At-Grade Crossings**
 - Road
 - Trail



Date: May 12, 2011
 Projection: Alaska State Plane Zone 4, NAD 83
 Author: HDR Alaska, Inc.
 Sources: HDR Alaska, Inc., Hanson
 Basemap: NRCS Imagery 2004

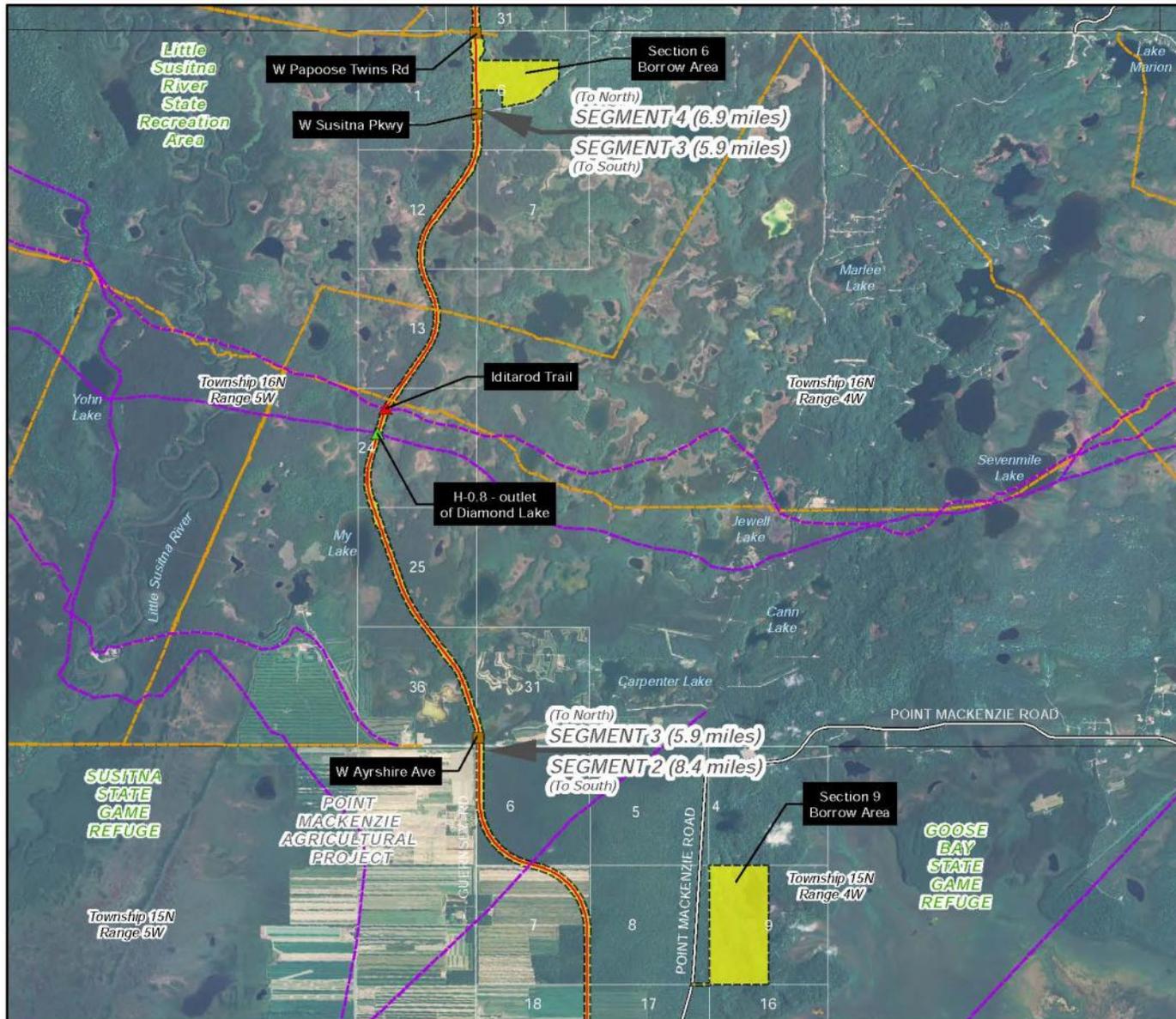


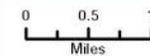
FIGURE 7



Area of Potential Effect
Aerial Imagery
Extent 3

LEGEND

- Proposed Area of Potential Effect (APE)
- Proposed Alternative
- Trail
- Proposed Contributing Trails, SRB&A 2010
- Highway
- Medium Rd
- Minor Rd
- Separated Grade Crossings**
- Trail
- Multi-Purpose
- At-Grade Crossings**
- Road
- Trail



Date: May 12, 2011
 Projection: Alaska State Plane Zone 4, NAD 83
 Author: HDR/Alaska, Inc.
 Sources: HDR/Alaska, Inc., Hanson
 Basemap: NRCS Imagery 2004

