

TECHNICAL ADVISORY COMMITTEE

MEETING 2

November 17, 2022

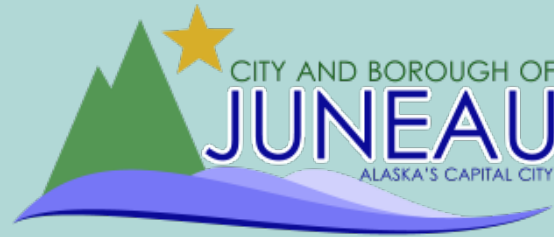
The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being, or have been, carried out by DOT&PF pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated November 3, 2017, and executed by FHWA and DOT&PF.

AGENDA

- Welcome and Introductions
- Schedule
- Purpose and Need Statement
- Alternative Development and Screening
- Preliminary Alternatives
- Level 1 and 2 Screening
- Wrap-up and Next Steps



PROJECT TEAM



Marie Heidemann
Project Manager/Planner

Christy Gentemann
Environmental Analyst

Greg Lockwood
Design Group Chief

Alec Venechuk
Project Manager

Irene Gallion
Senior Planner

Steve Noble, PE
Project Manager

Nina Keller
Assistant Project Manager

Renee Whitesell, PTP
PEL Study Lead

STUDY SCHEDULE

SPRING 2022

SUMMER / FALL 2022

WINTER 2022 / 2023

SPRING 2023



Project Initiation, Problems to be Solved, Purpose & Need: Emerging Themes



Evaluation Criteria, Develop & Screen Alternatives



Evaluate, Refine, & Select Alternatives



Finalize Documentation

Baseline Analysis, Data Collection, Purpose & Need: Emerging Themes

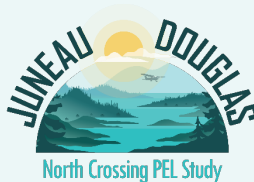
Identify Crossing Alternatives and Develop Screening Criteria

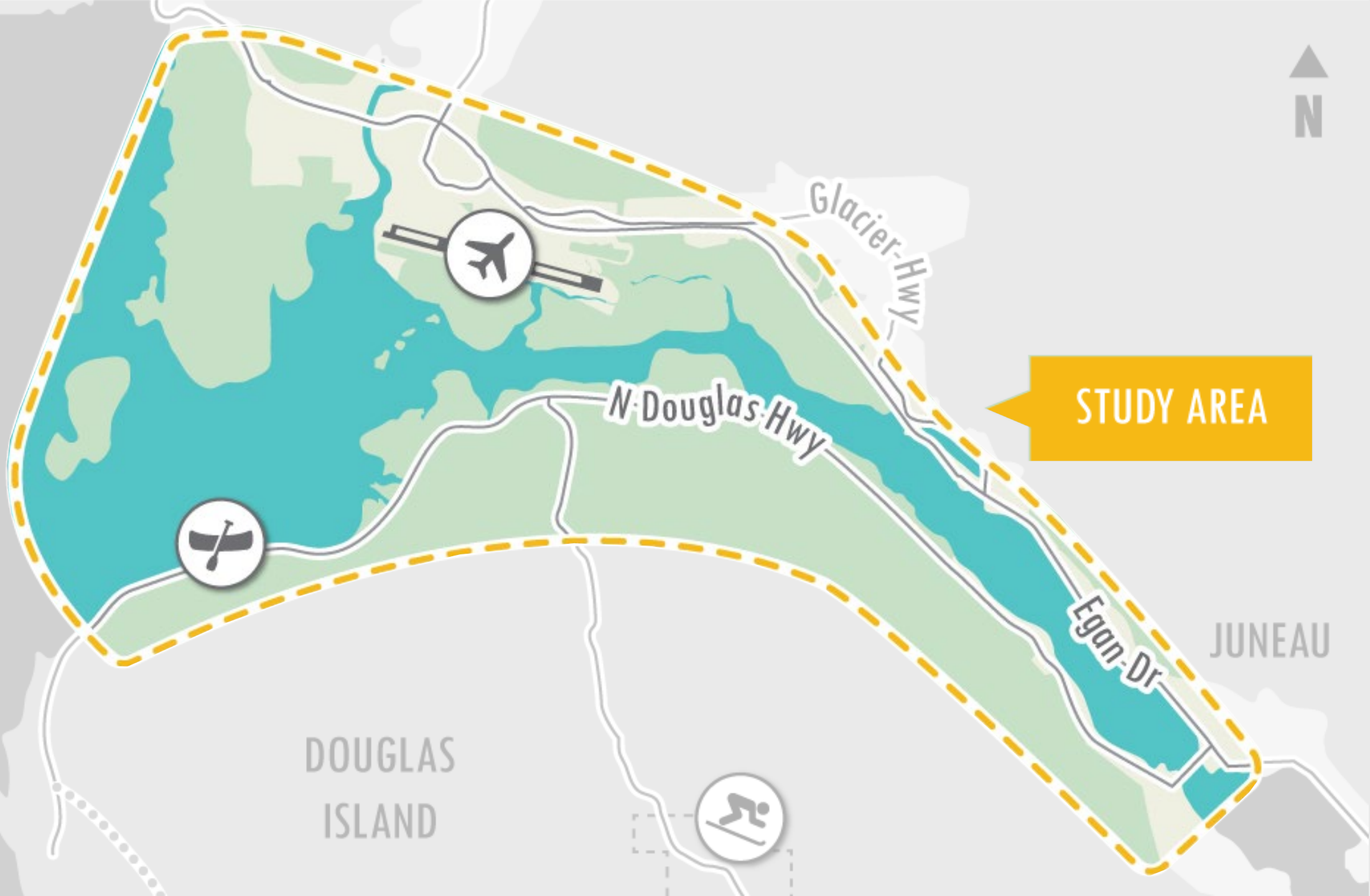
Preferred Alternatives, Screening, Draft PEL Study

Public Comment Period (30 days) and Finalize PEL Study



We Are Here





STUDY AREA

JUNEAU

DOUGLAS
ISLAND

PLANNING AND ENVIRONMENTAL LINKAGES (PEL) PROCESS

PLANNING

ENVIRONMENT



Data &
Analysis Tools



Public/Stakeholder
Involvement



Purpose & Need



Alternatives
Development &
Evaluation



Identify Recommended
Alternative(s) & Define
Projects to Implement

PEL BENEFITS

THE BENEFITS OF STRONGER LINKAGES BETWEEN THE TRANSPORTATION PLANNING AND PROJECT DEVELOPMENT PROCESSES CAN INCLUDE:

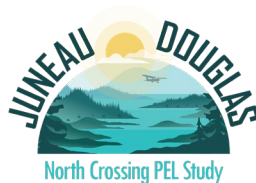
- ✓ STRONGER AGENCY AND PUBLIC RELATIONSHIPS
- ✓ IMPROVED PROJECT DELIVERY TIMEFRAMES
- ✓ EARLIER IDENTIFICATION OF KEY ENVIRONMENTAL RESOURCES
- ✓ BETTER FUNDING AND PROJECT DEVELOPMENT INFORMATION
- ✓ BUILD PROJECTS WITH BETTER OUTCOMES
- ✓ FLEXIBLE APPROACH FOR DEVELOPMENT OF TRANSPORTATION IMPROVEMENT STRATEGIES

PURPOSE AND NEED STATEMENT

PURPOSE AND NEED STATEMENT

Purpose

The **purpose** of the Juneau Douglas North Crossing PEL Study is to identify ways to improve the connection between Douglas Island and Juneau. The secondary purposes are to identify ways to improve transportation for non-motorized users and reduce transportation related energy consumption.



PURPOSE AND NEED STATEMENT

*An improved connection to Douglas Island should address the following **needs**:*

- **Alternate access and transportation infrastructure resiliency**
- **Decrease traffic pressure on Douglas Island Bridge and its intersections**

PURPOSE AND NEED STATEMENT

*The identified alternative(s) should also strive to meet these **additional goals**:*

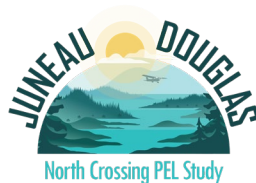
- Improve connection to North and West Douglas Island by creating additional traffic capacity to support the future development of affordable housing and economic development opportunities.
- Enhance and protect public health and safety and safety of travelers and the communities that transportation facilities traverse and serve.
- Transportation improvements should avoid, minimize, and mitigate impacts to the environment and to residential areas.
- Transportation improvements should maintain the visual, cultural, and scenic identity of Juneau and Douglas Island.

ALTERNATIVE DEVELOPMENT AND SCREENING

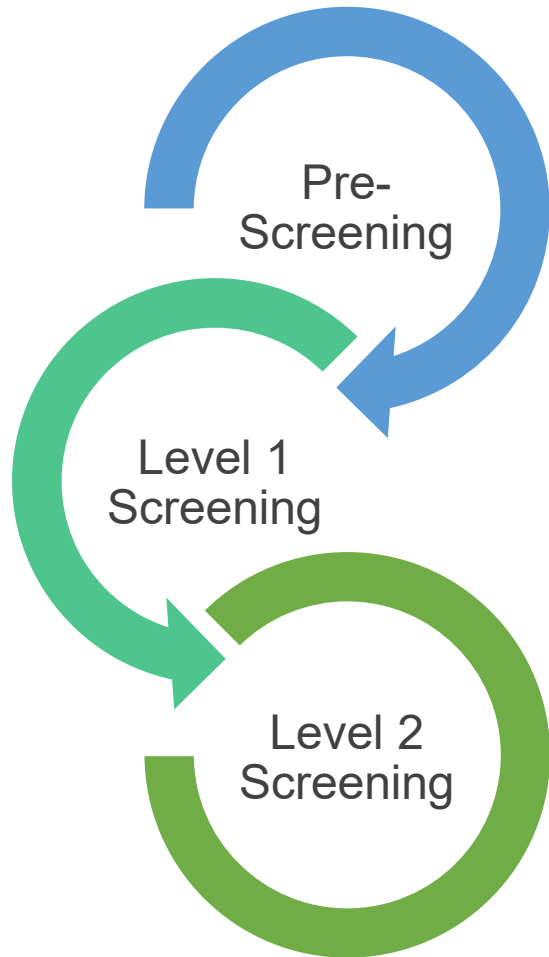
ALTERNATIVE DEVELOPMENT AND SCREENING PROCESS

1. Develop the purpose and need statement
2. Compile alternatives*
3. Pre-screening
4. Level 1 screening
5. Refine and conduct preliminary engineering
6. Level 2 screening
7. Further refine the recommended alternatives

*a “no build” alternative is carried forward through the screening process



ALTERNATIVE SCREENING OVERVIEW



- Elimination of alternatives that are not feasible based on professional judgement and available data
- Assessing alternatives based on location and buildability
- Merge similar alternatives as variants

RESULT: Preliminary alternatives

- Elimination of alternatives that do not meet P&N
- Elimination of alternatives that do not meet specific regulatory requirements
- Early engineering and environmental evaluation to identify alternatives that are technically feasible, practical, implementable, and reasonable

RESULT: Detailed alternatives

- Screening remaining alternatives using a broad range of qualitative and quantitative criteria
- Compare and rank the detailed alternatives

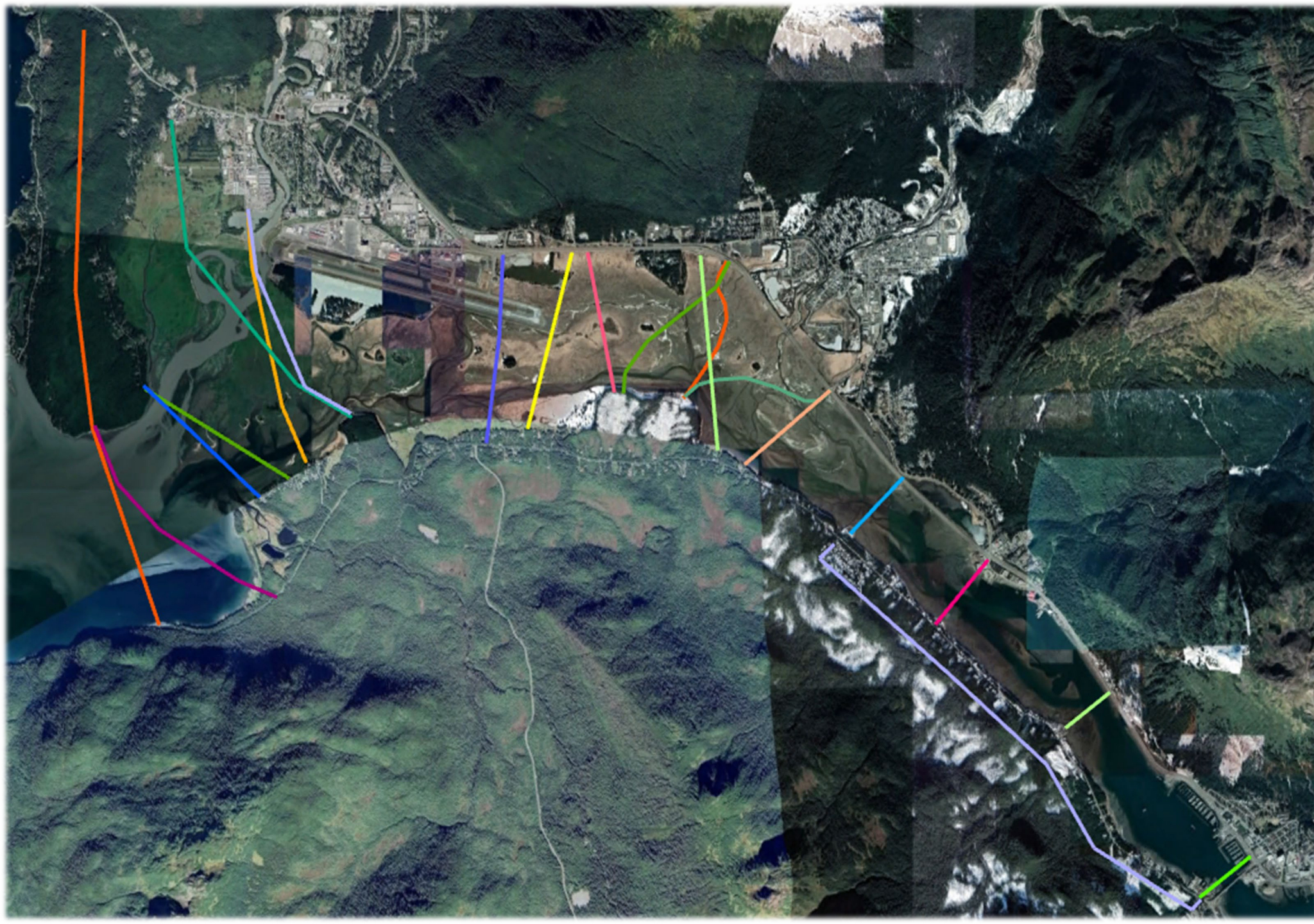
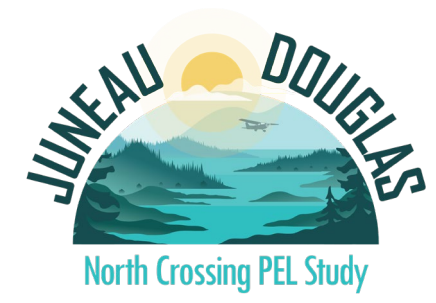
RESULT: Recommended alternative(s) and project(s)

PRE-SCREENING

- Conducted using readily available data and the professional judgment of the project team
- Draft alternatives assessed to determine if they are feasible based on location (e.g., impacts to airport operations) and buildability (design considerations)
- Draft alternatives with similar characteristics “grouped”
- Pre-screening created **preliminary alternatives**

COMPLETED

PRELIMINARY ALTERNATIVES



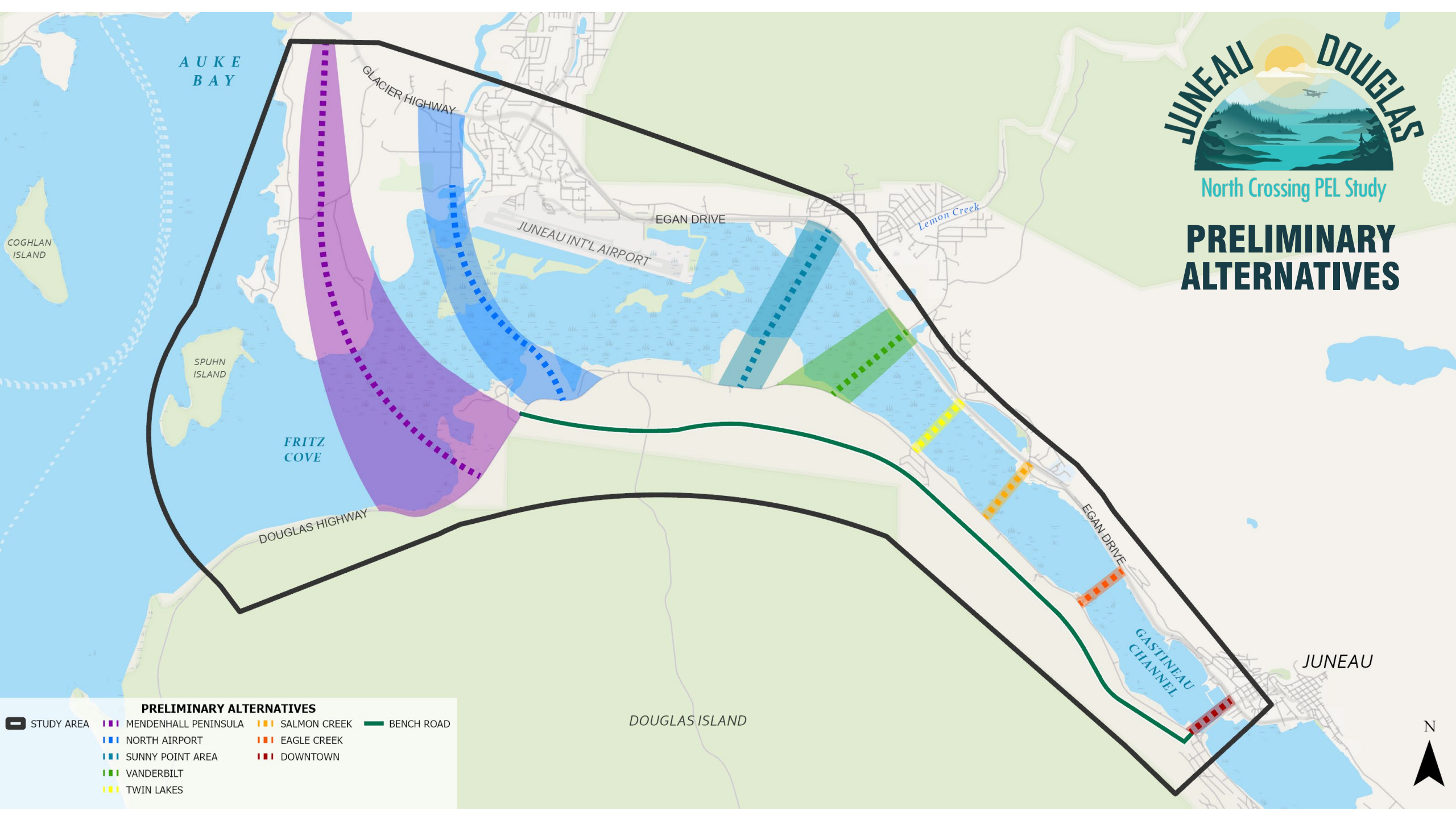
**CROWD-SOURCED
CROSSING
IDEAS**

PRELIMINARY SCREENING

BASED ON READILY AVAILABLE DATA AND PROFESSIONAL JUDGEMENT

- Connection termini
- Significant impacts
 - Proximity to the airport and impacts to airport operations
 - ROW
 - Other major land uses
- Feasibility of alignment geometry: elevation, relevant design standards
- Environmental impacts
 - Avalanche zones
 - Anadromous streams
 - Wetlands
 - Mendenhall Wetlands State Game Refuge (MWSGR)
 - Lands conserved by the Southeast Alaska Land Trust
- Similarity to other alternatives/ability to combine alternatives based on shared characteristics and location

PRELIMINARY ALTERNATIVES

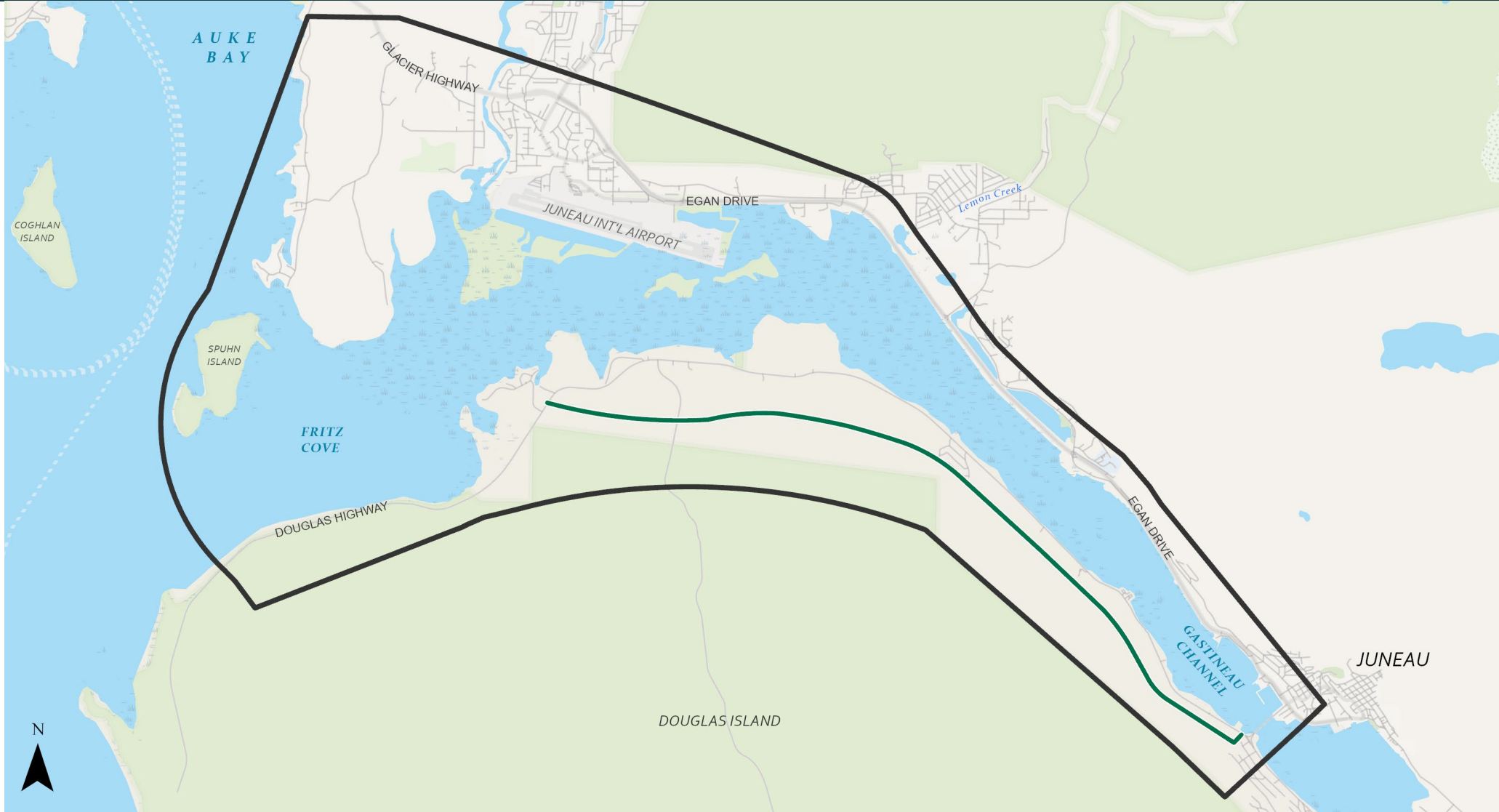


PRELIMINARY ALTERNATIVES			
STUDY AREA	MENDENHALL PENINSULA	SALMON CREEK	BENCH ROAD
NORTH AIRPORT	SUNNY POINT AREA	EAGLE CREEK	
VANDERBILT	TWIN LAKES	DOWNTOWN	

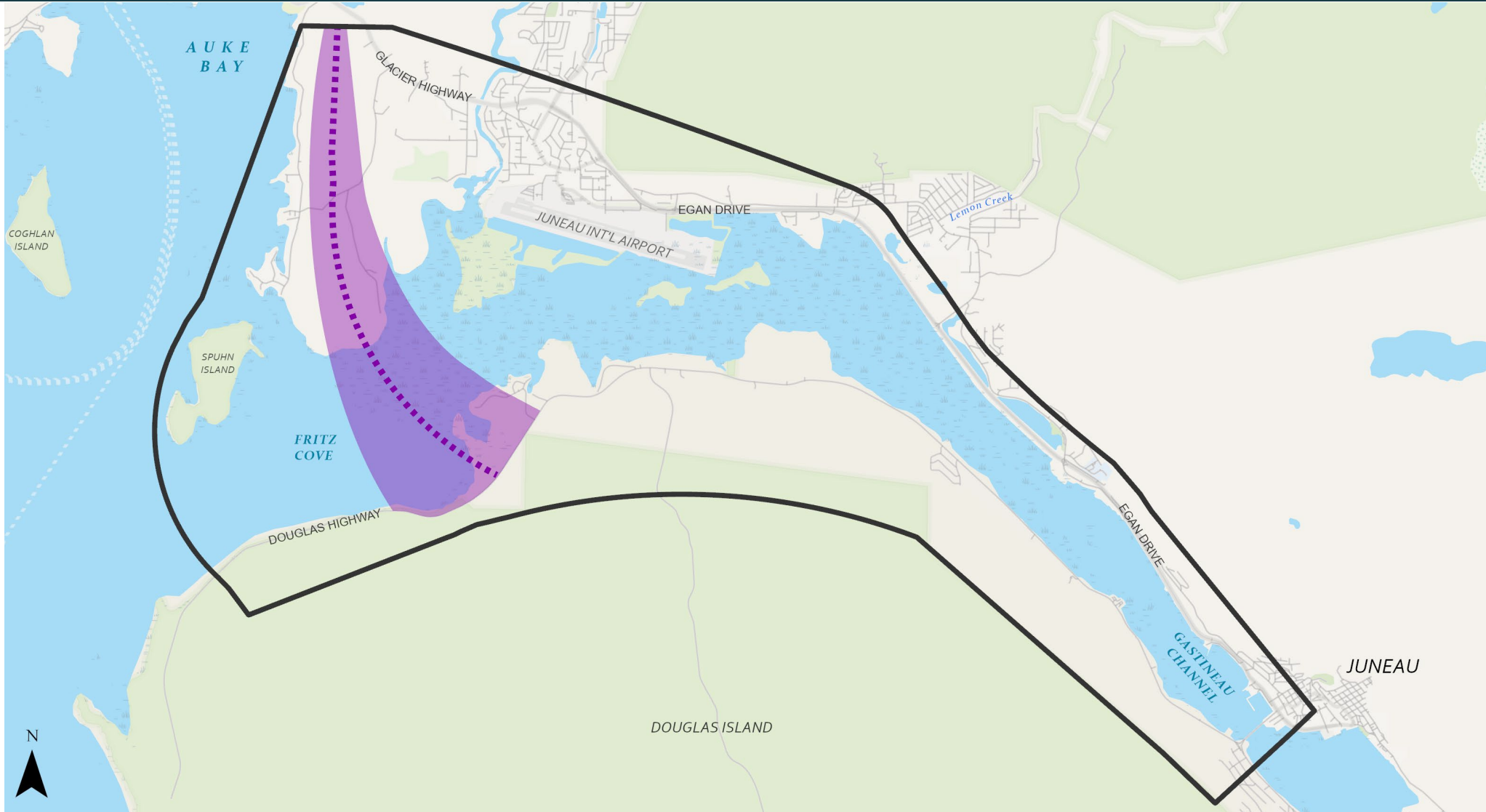


BENCH ROAD

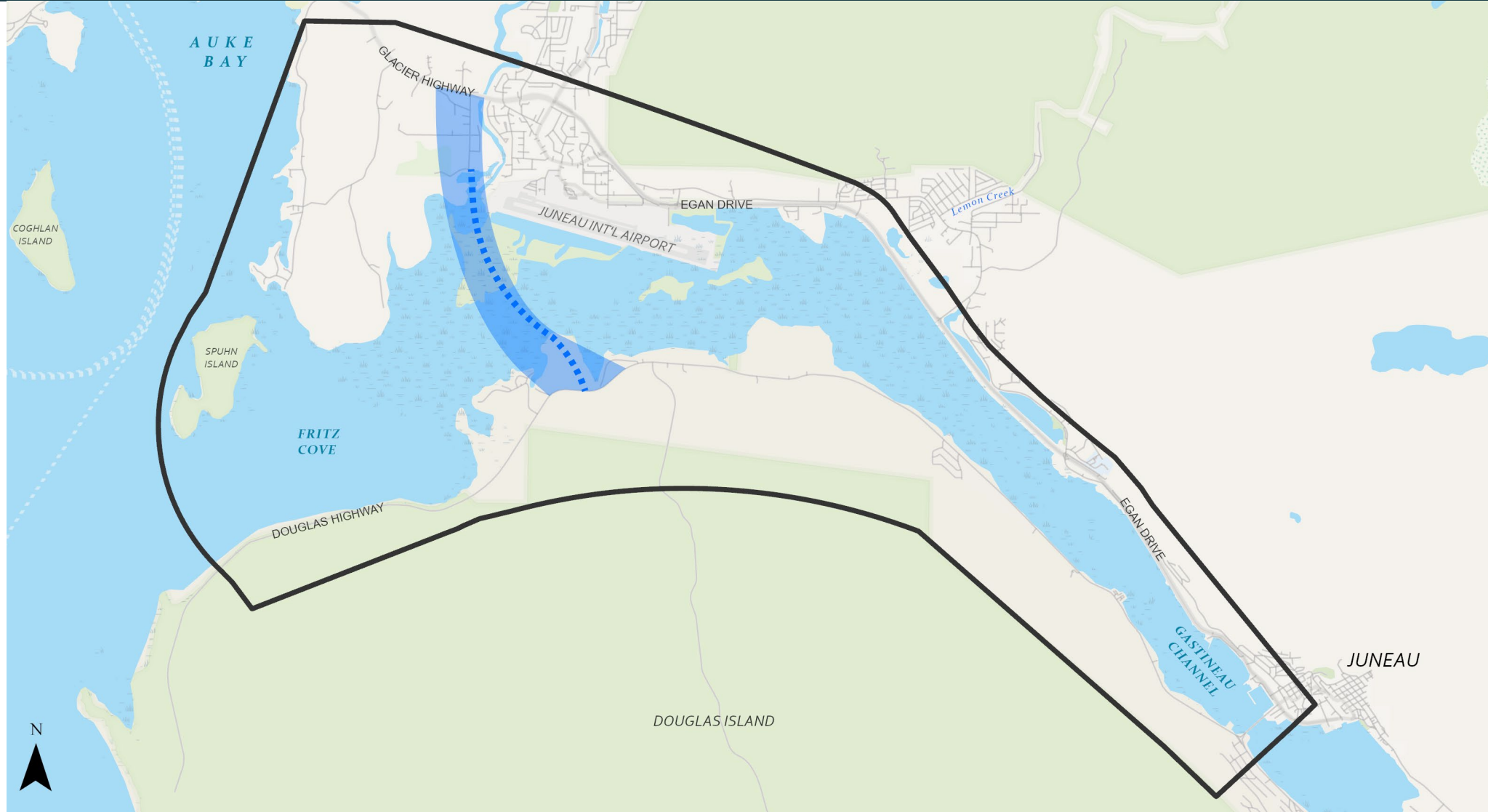
FOR ADDITIONAL CONSIDERATION



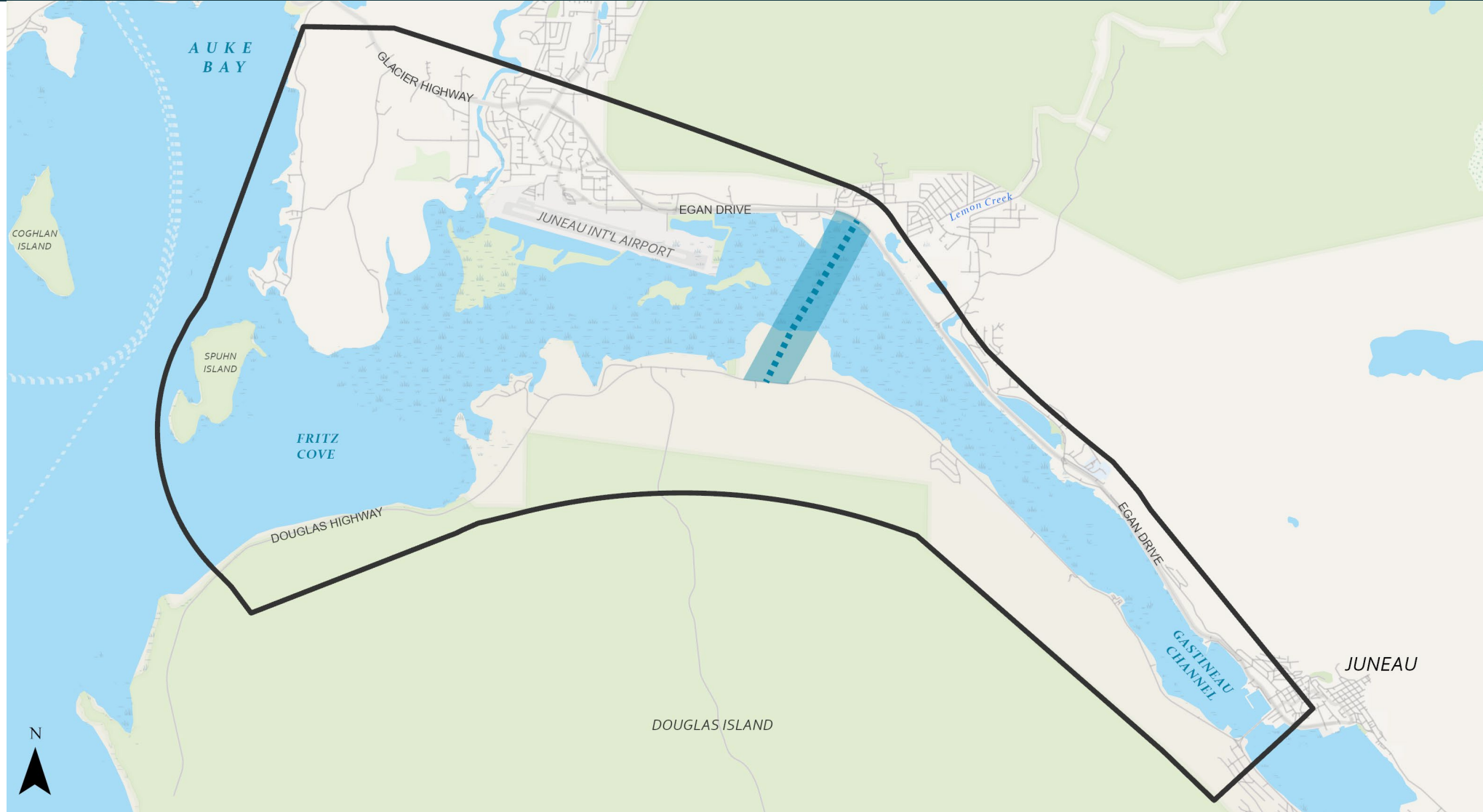
MENDENHALL PENINSULA



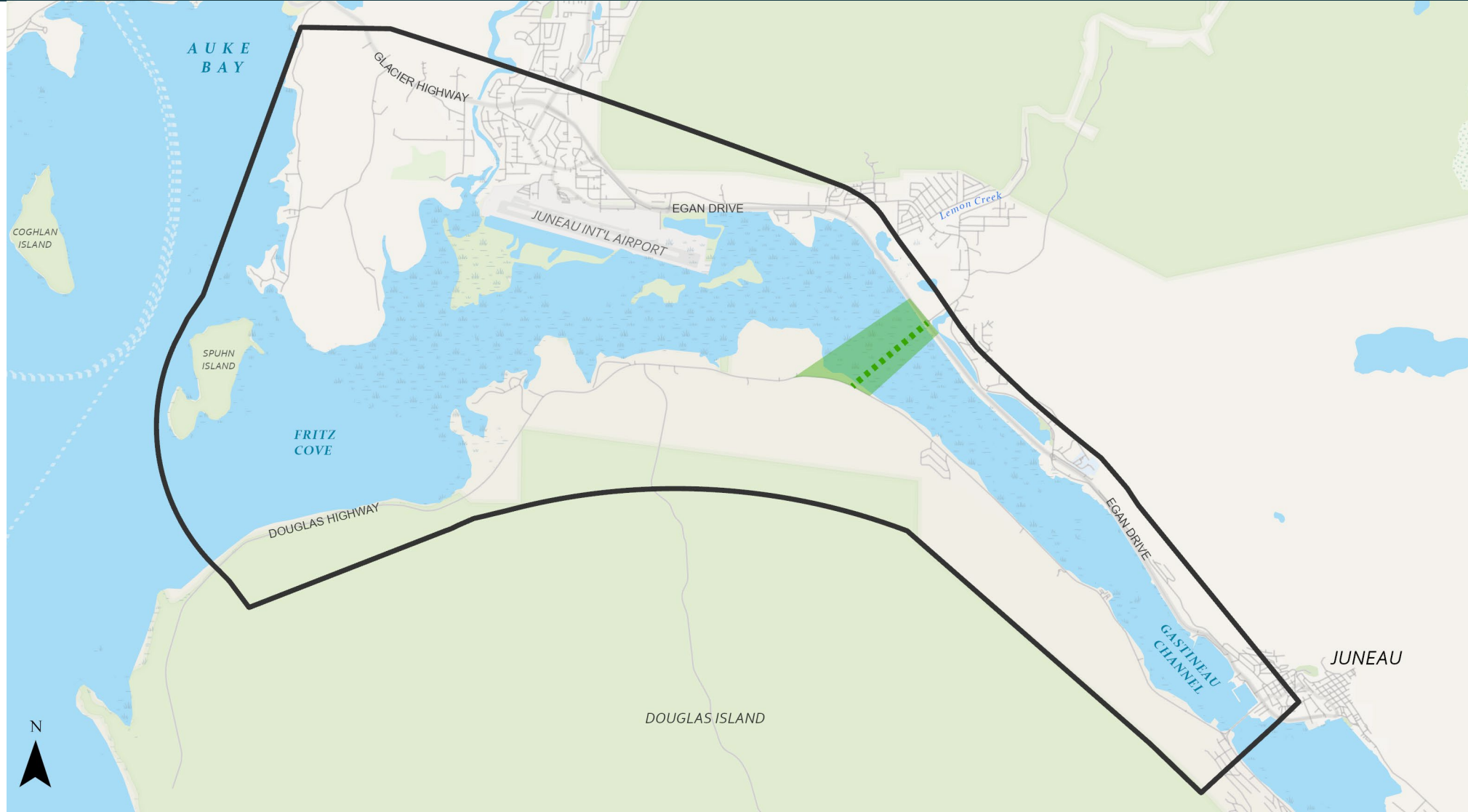
NORTH AIRPORT



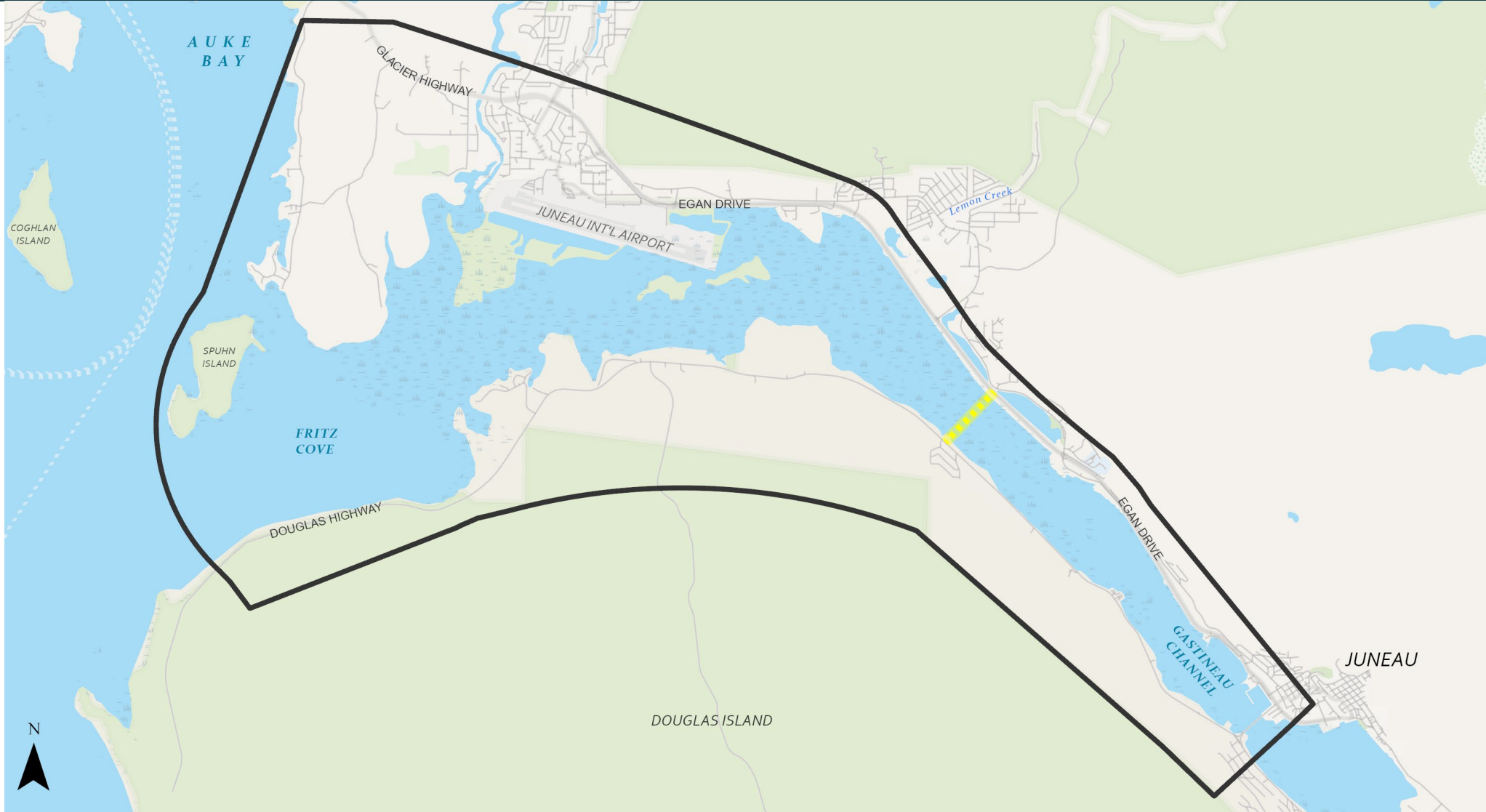
SUNNY POINT AREA



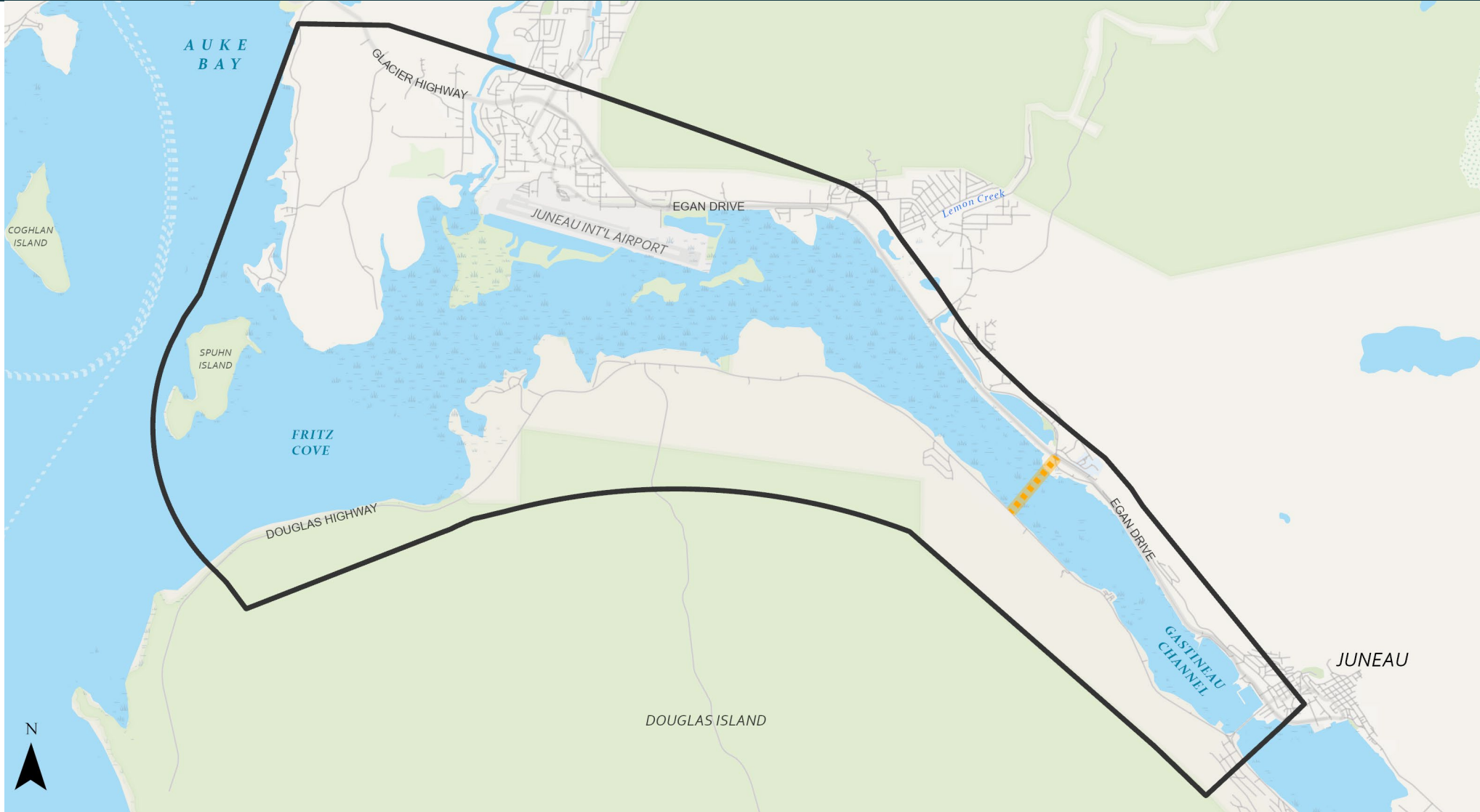
VANDERBILT



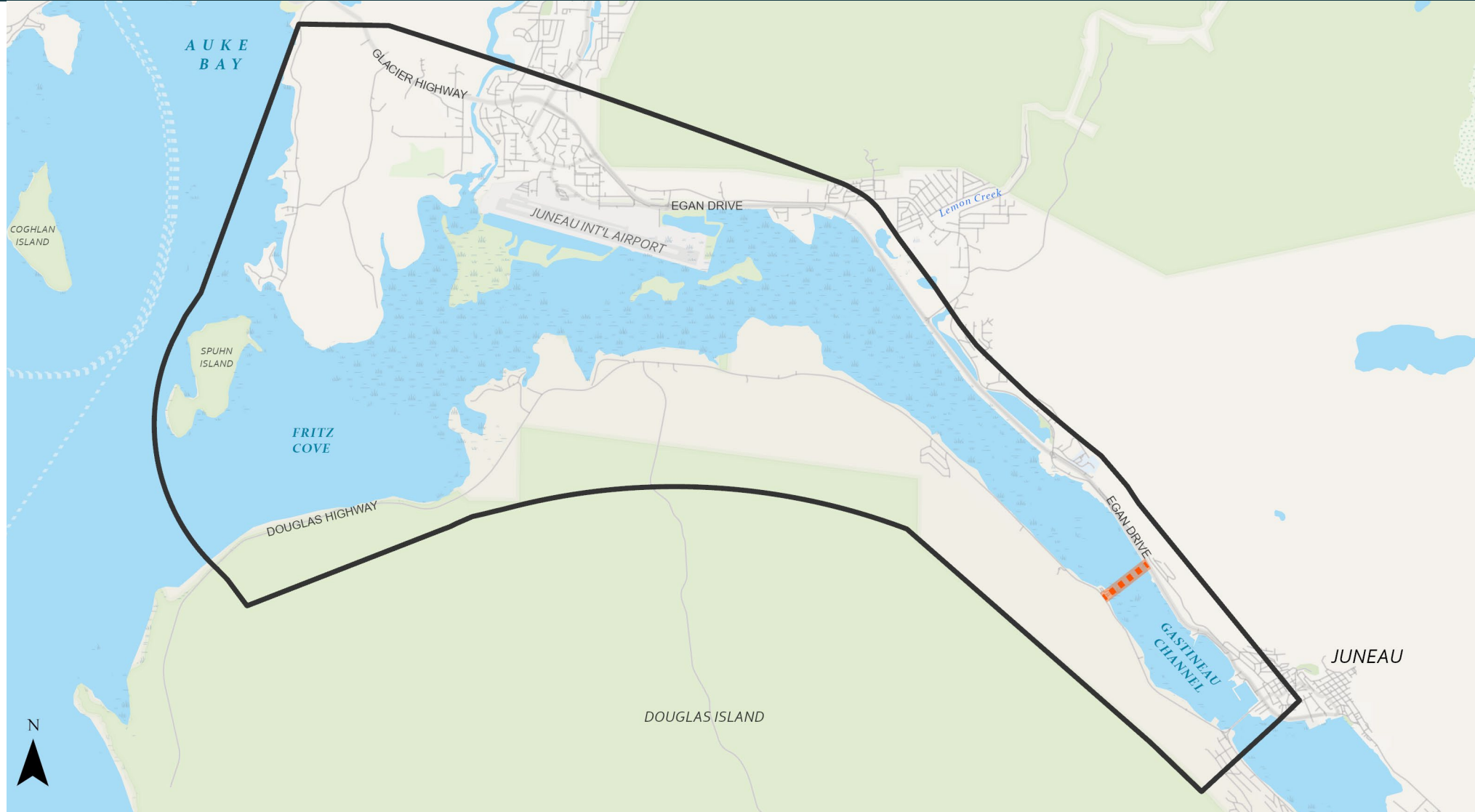
TWIN LAKES



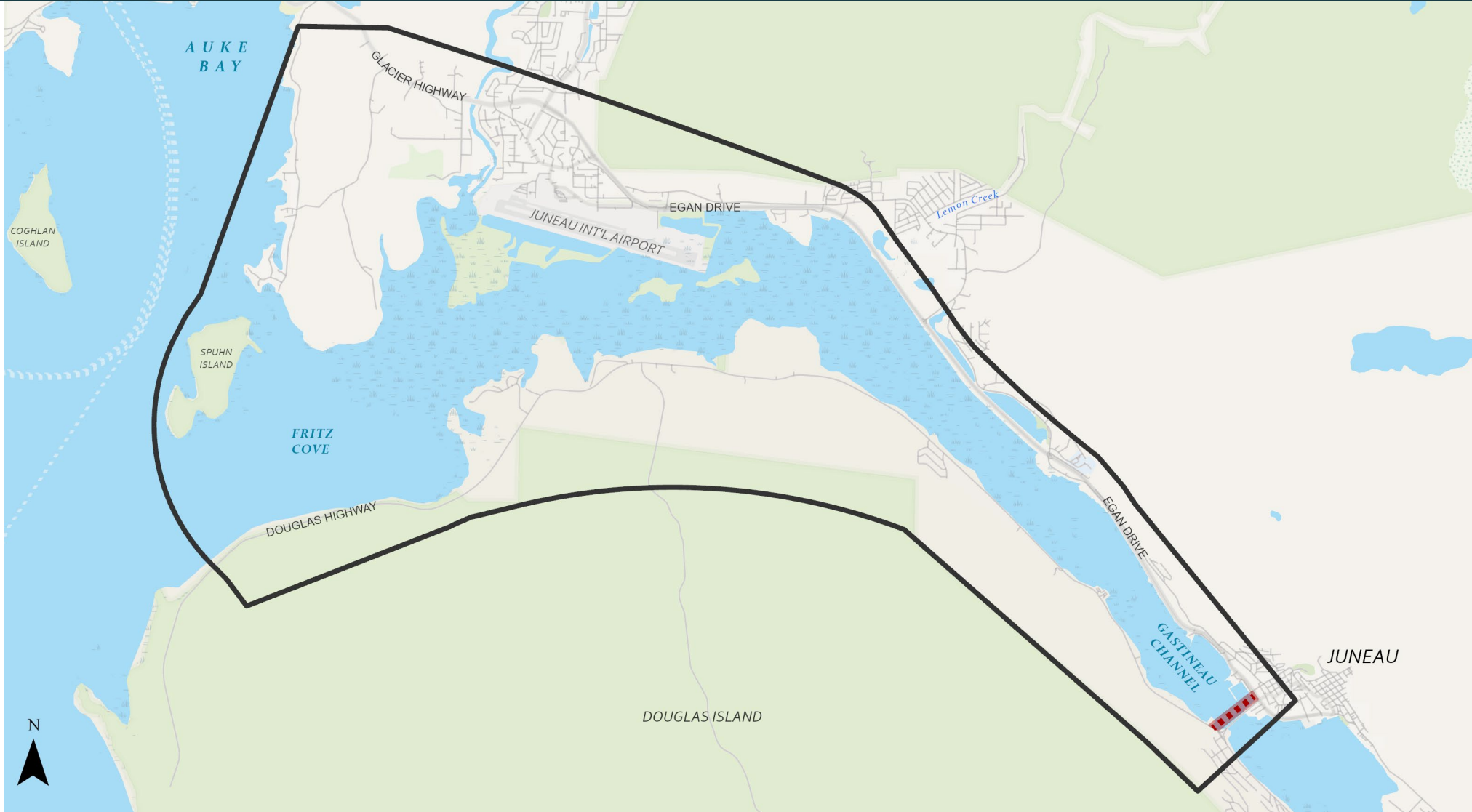
SALMON CREEK



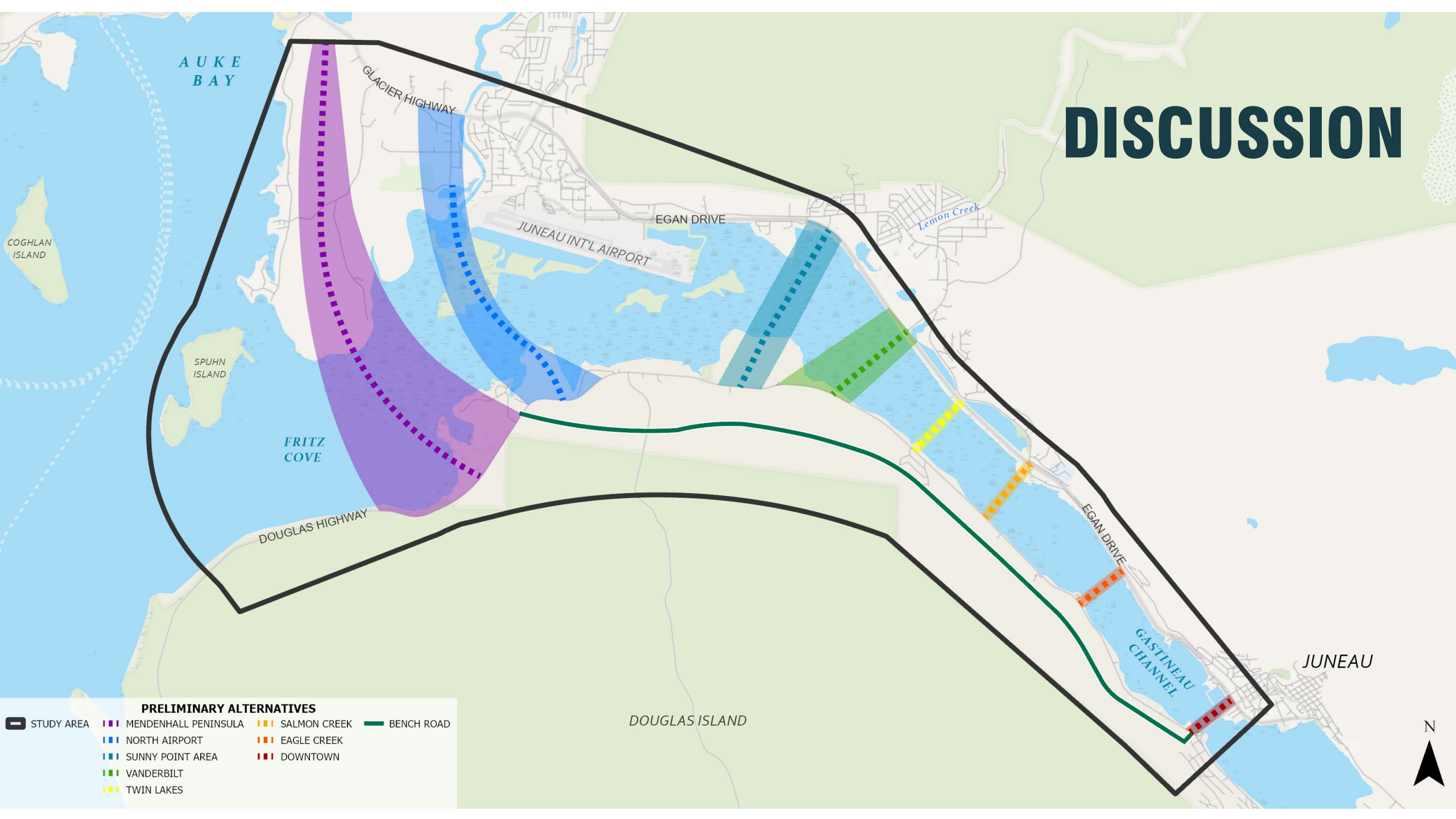
EAGLE CREEK



DOWNTOWN



DISCUSSION

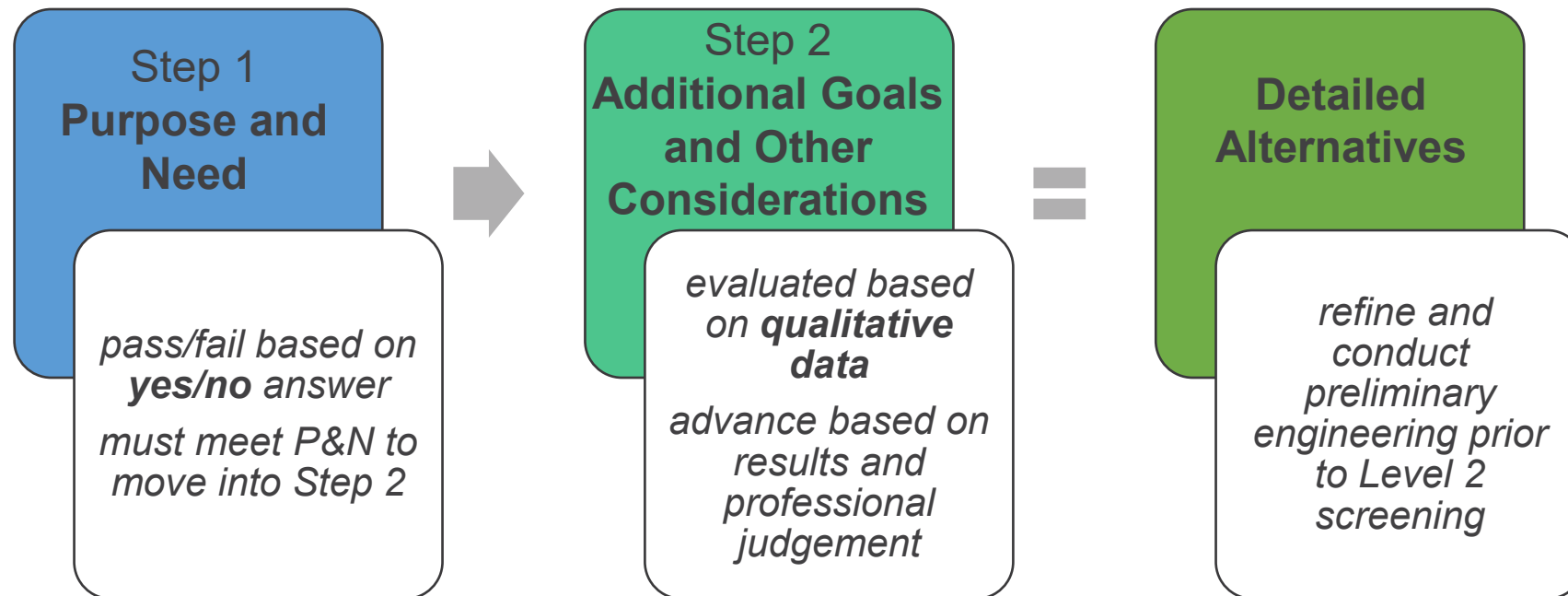


- PRELIMINARY ALTERNATIVES**
- STUDY AREA
 - MENDENHALL PENINSULA
 - NORTH AIRPORT
 - SUNNY POINT AREA
 - VANDERBILT
 - TWIN LAKES
 - SALMON CREEK
 - EAGLE CREEK
 - DOWNTOWN
 - BENCH ROAD

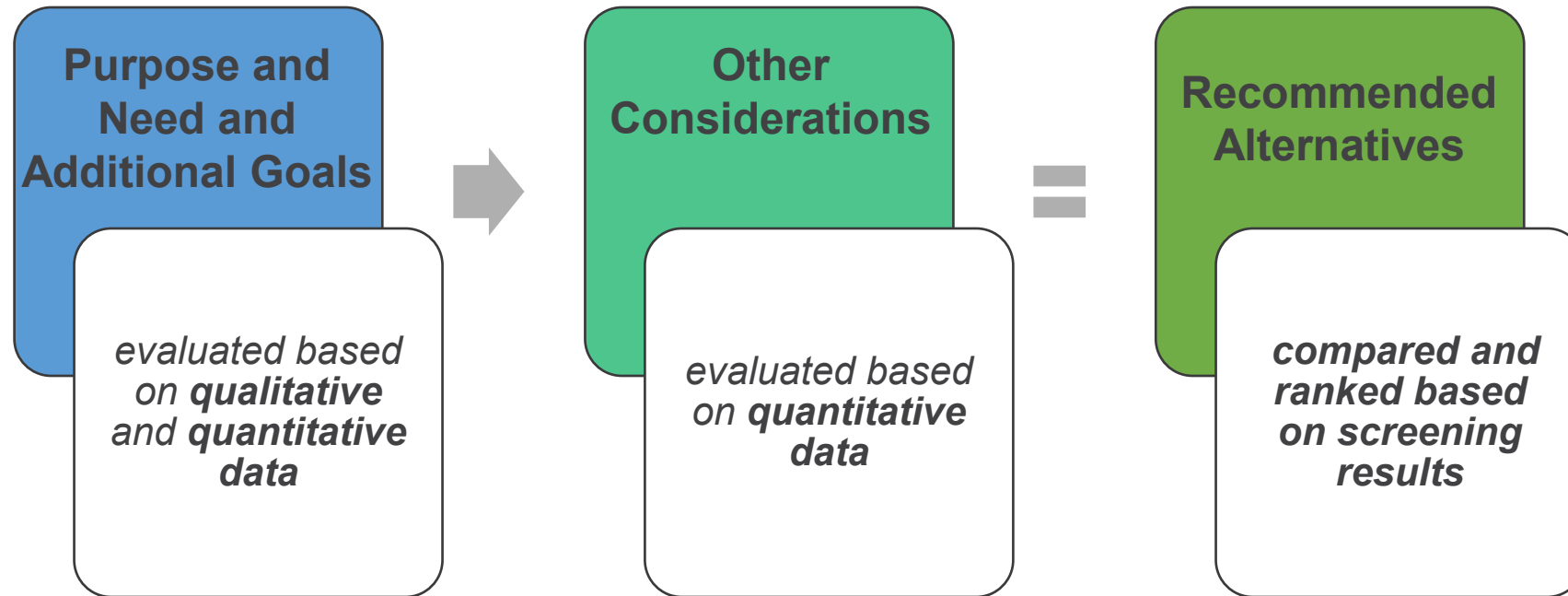


LEVEL 1 AND LEVEL 2 SCREENING

LEVEL 1 SCREENING



LEVEL 2 SCREENING



WHAT'S NEXT?

Meeting #	Focus	When
1	<ul style="list-style-type: none">▪ Baseline data and existing conditions▪ Purpose and need	May 11, 2022
Workshop	<ul style="list-style-type: none">▪ Range of alternatives▪ Alternatives screening process▪ Screening criteria	Summer 2022
3	<ul style="list-style-type: none">▪ Preliminary alternative screening results▪ Detailed alternative screening criteria	Fall/Winter 2022
4	<ul style="list-style-type: none">▪ Detailed alternative screening results▪ Recommended alternatives▪ Draft PEL Study	Winter/Spring 2023



WE WANT YOUR FEEDBACK!

You are invited to the Public Open House No. 2


Join us to:

- Learn more about the PEL study and progress to date
- Provide feedback on the preliminary crossing locations and initial screening criteria
- Share your thoughts and concerns with the project team

Date: Monday, December 12, 2022

Time: 4:00 – 6:00 p.m.

Location: Juneau Arts and Culture Center (JACC)
350 Whittier Street, Juneau, AK



PROJECT CONTACTS:

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(907) 465-4477

Steve Noble, DOWL Project Manager
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Nina Keller, DOWL Assistant Project Manager
(907) 562-2000

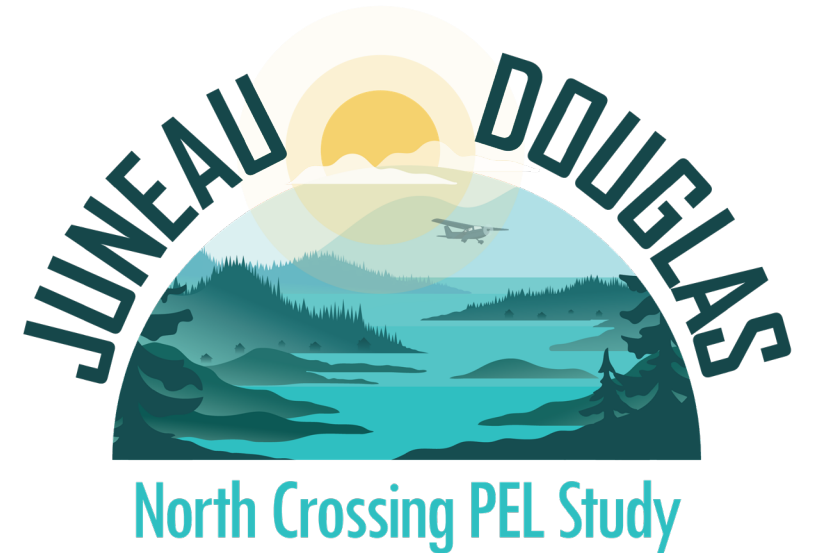
Renee Whitesell, DOWL PEL Study Lead
(907) 562-2000

Email:

JNorthCrossing@dowl.com

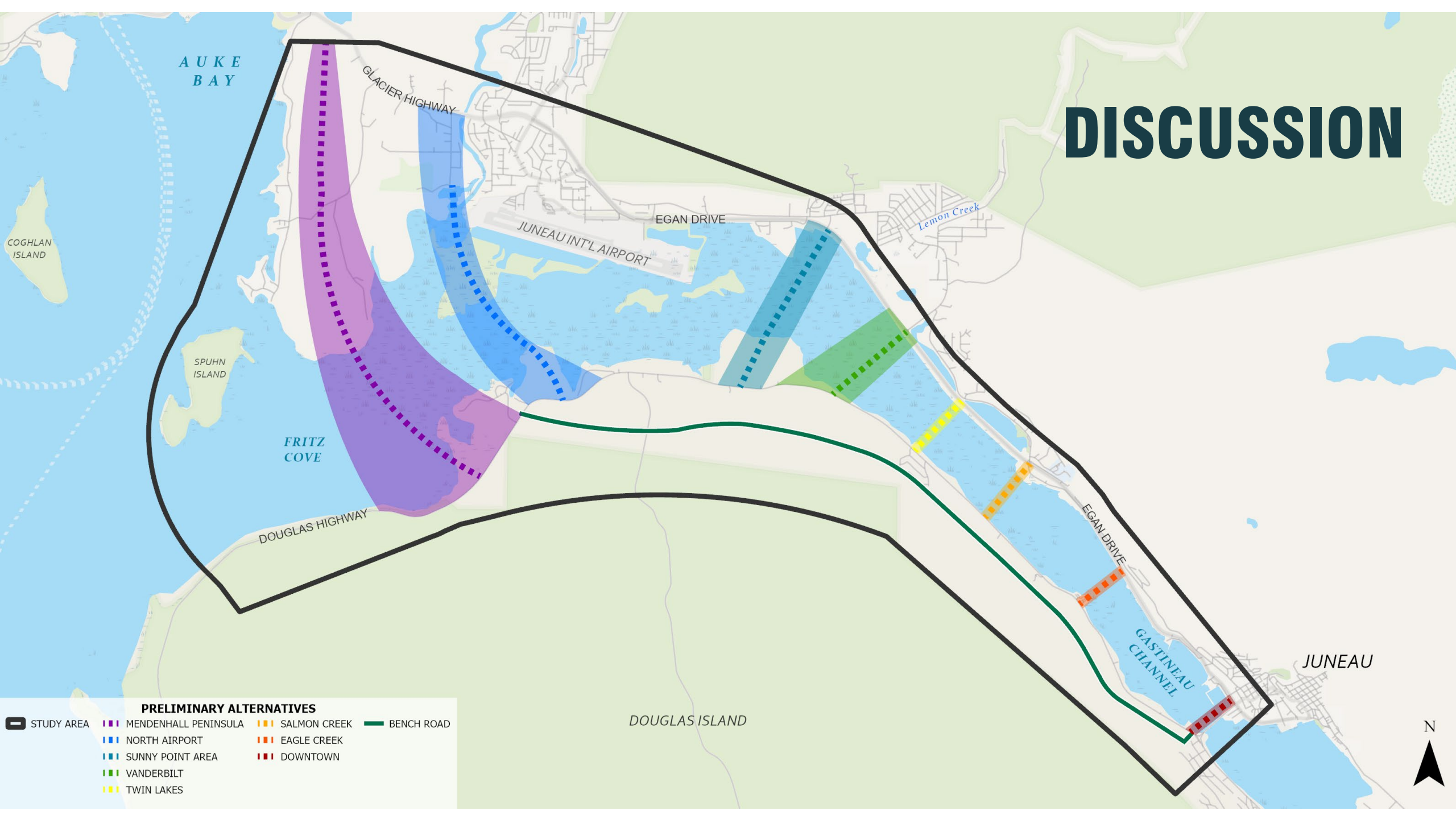
Website:

www.JNorthCrossing.com



THANK YOU

DISCUSSION



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