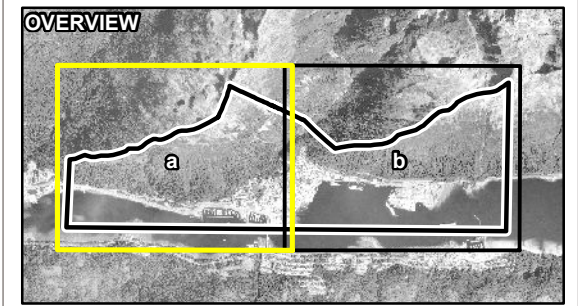


LEGEND

- ★ Location of Interest
- ▭ Study Area
- 👉 Avalanche Path (estimated 300-year boundary)

Base Data

- 📏 Index Contour (200 ft)
- 📏 Intermediate Contour (50 ft)
- 📐 Land Parcel



NOTES

Low hazard designation not shown. Low hazard designation includes all areas not designated as "Moderate" or "Severe".

Base data source:
 Land parcels provided by CBJ.
 Contours generated from 2013 LiDAR provided by CBJ.
 Background contours generated from 2012 LiDAR provided by CBJ.
 Primary imagery provided by CBJ, 2013.
 Background imagery provided by ESRI; Maxar (2020).

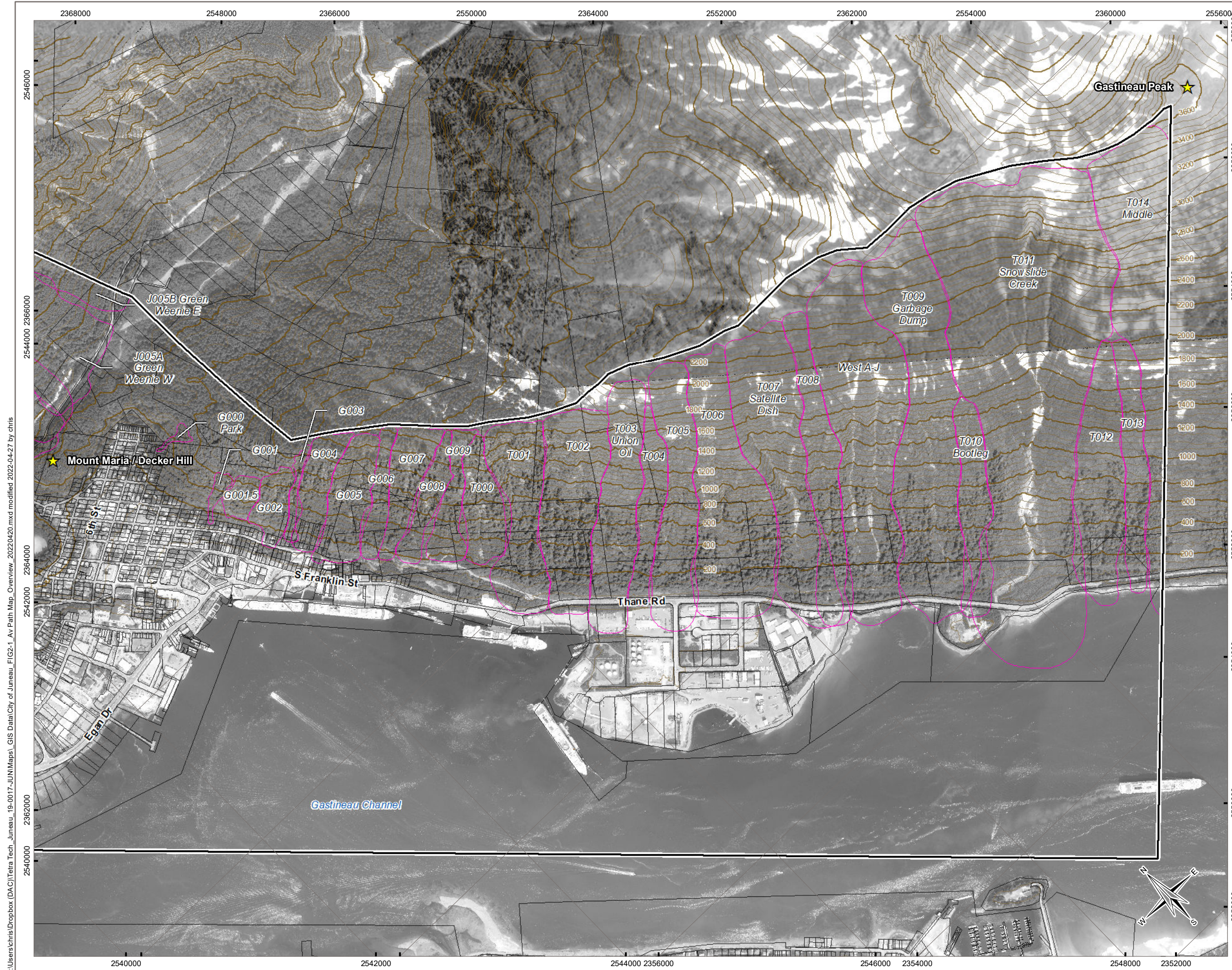
STATUS
ISSUED FOR USE

JUNEAU LANDSLIDE AND AVALANCHE ASSESSMENT

Avalanche Path Mapping Overview

PROJECTION State Plane Alaska Zone 1 5001		DATUM NAD83		CLIENT CITY AND BOROUGH OF JUNEAU ALASKA CAPITAL CITY	
Scale: 1:12,500		800 400 0 800 Feet		DYNAMIC ENGINEERING & CONSULTING	
FILE NO. 19-0017-JUN-002		DATE April 27, 2022		PROJECT NO. 19-0017-JUN	
OFFICE DAC-Rev	DWN CA	CKD AJ	APVD AJ	REV 2	Figure 2.1a

C:\Users\chris\Dropbox (D&C)\Tetra Tech - Juneau - 19-0017-JUN\Maps\GIS Data\City of Juneau - FIG2-1 - Av Path Map - Overview_20220420.mxd modified 2022-04-27 by chris

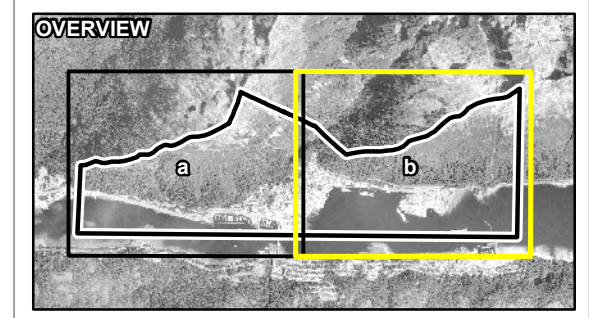


LEGEND

- ★ Location of Interest
- ▭ Study Area
- 👉 Avalanche Path (estimated 300-year boundary)

Base Data

- 📏 Index Contour (200 ft)
- 📏 Intermediate Contour (50 ft)
- ▭ Land Parcel



NOTES

Low hazard designation not shown. Low hazard designation includes all areas not designated as "Moderate" or "Severe".

Base data source:
 Land parcels provided by CBJ.
 Contours generated from 2013 LIDAR provided by CBJ.
 Background contours generated from 2012 LIDAR provided by CBJ.
 Primary imagery provided by CBJ, 2013.
 Background imagery provided by ESRI; Maxar (2020).

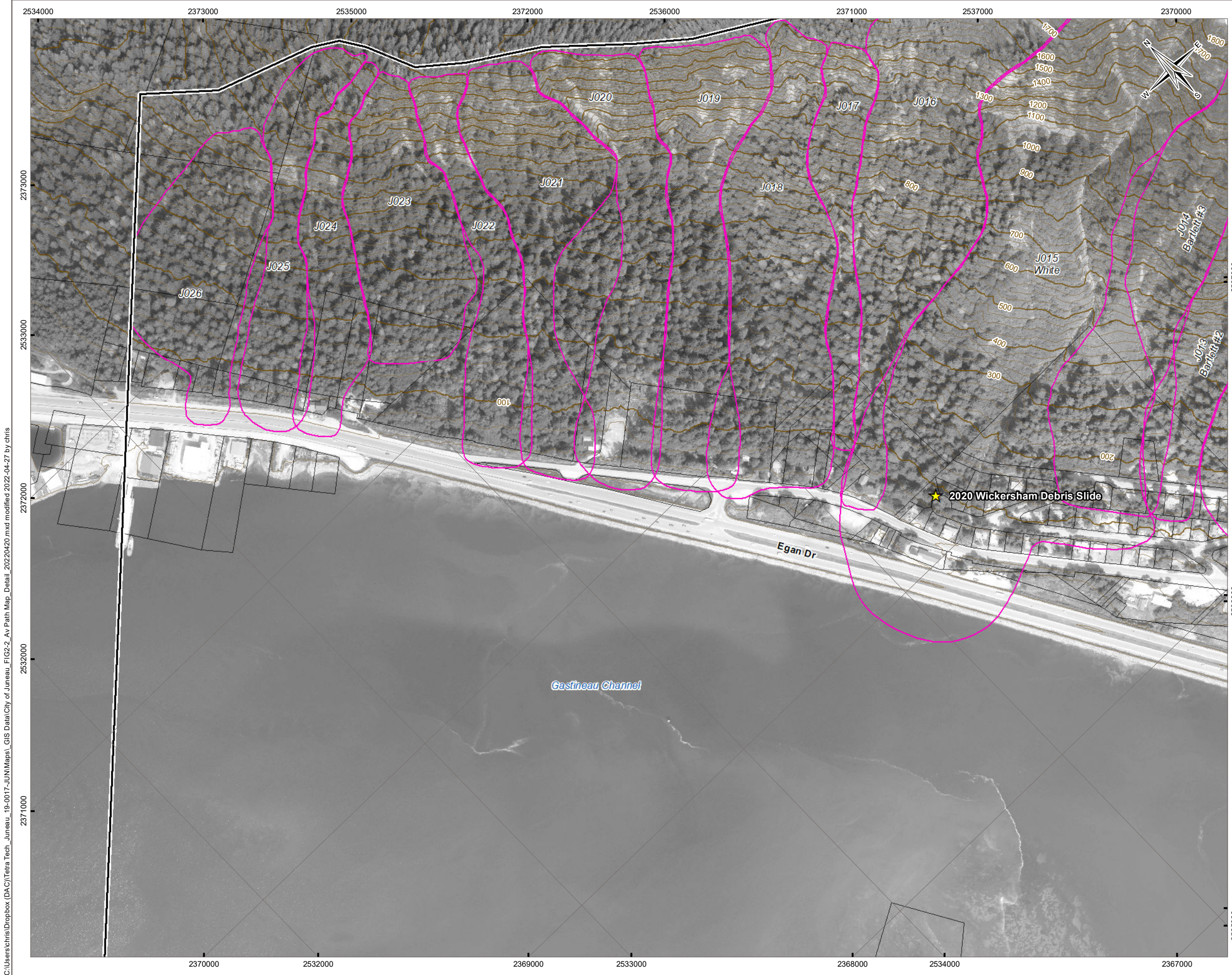
STATUS
ISSUED FOR USE

JUNEAU LANDSLIDE AND AVALANCHE ASSESSMENT

Avalanche Path Mapping Overview

PROJECTION State Plane Alaska Zone 1 5001		DATUM NAD83		CLIENT CITY AND BOROUGH OF JUNEAU ALASKA CAPITAL CITY	
Scale: 1:12,500		800 400 0 800 Feet		DYNAMIC MAPPING & CONSULTING	
FILE NO. 19-0017-JUN-002		OFFICE DAC-Rev		DATE April 27, 2022	
DWN CA	CKD AJ	APVD AJ	REV 2	PROJECT NO. 19-0017-JUN	
				Figure 2.1b	

C:\Users\chris\Dropbox (D&C)\Tetra Tech - Juneau - 19-0017-JUN\Maps\GIS Data\City of Juneau - FIG2-1 - Av Path Map - Overview_20220420.mxd modified 2022-04-27 by chris

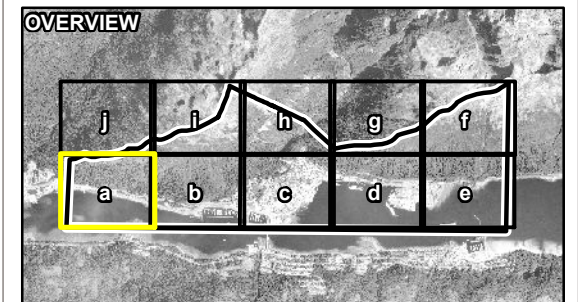


LEGEND

- ★ Location of Interest
- ▭ Study Area
- 👉 Avalanche Path (estimated 300-year boundary)

Base Data

- 📏 Index Contour (100 ft)
- 📏 Intermediate Contour (25 ft)
- ▭ Land Parcel



NOTES

Low hazard designation not shown. Low hazard designation includes all areas not designated as "Moderate" or "Severe".

Base data source:
 Land parcels provided by CBJ.
 Contours generated from 2013 LiDAR provided by CBJ.
 Background contours generated from 2012 LiDAR provided by CBJ.
 Primary imagery provided by CBJ, 2013.
 Background imagery provided by ESRI; Maxar (2020).

STATUS
ISSUED FOR USE

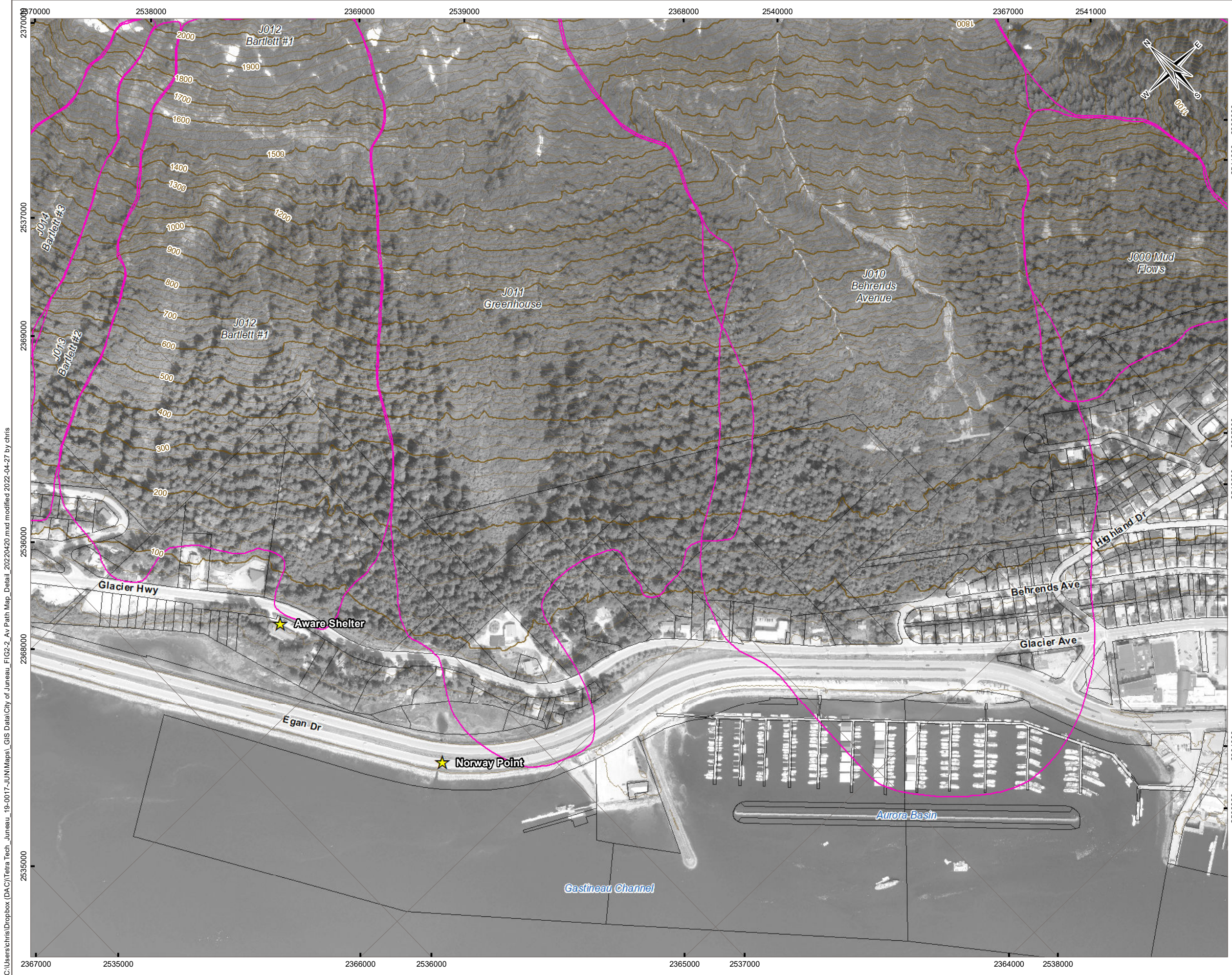
JUNEAU LANDSLIDE AND AVALANCHE ASSESSMENT

Avalanche Path Mapping Detail

PROJECTION State Plane Alaska Zone 1 5001	DATUM NAD83	CLIENT CITY AND BOROUGH OF JUNEAU ALASKA CAPITAL CITY
Scale: 1:5,000 300 150 0 300 Feet		
FILE NO. 19-0017-JUN-002	OFFICE DAC-Rev	DATE April 27, 2022
DWN CA	CKD AJ	APVD AJ
REV 2	PROJECT NO. 19-0017-JUN	

Figure 2.2a

C:\Users\chris\Dropbox (D&C)\Tetra Tech - Juneau - 19-0017-JUN\Maps - GIS Data\City of Juneau - FIG2-2 - Av Path Map - Detail - 20220420.mxd modified 2022-04-27 by chris



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LEGEND

- ★ Location of Interest
- Study Area
- Avalanche Path (estimated 300-year boundary)

Base Data

- Index Contour (100 ft)
- Intermediate Contour (25 ft)
- Land Parcel

OVERVIEW

NOTES

Low hazard designation not shown. Low hazard designation includes all areas not designated as "Moderate" or "Severe".

Base data source:
 Land parcels provided by CBJ.
 Contours generated from 2013 LiDAR provided by CBJ.
 Background contours generated from 2012 LiDAR provided by CBJ.
 Primary imagery provided by CBJ, 2013.
 Background imagery provided by ESRI; Maxar (2020).

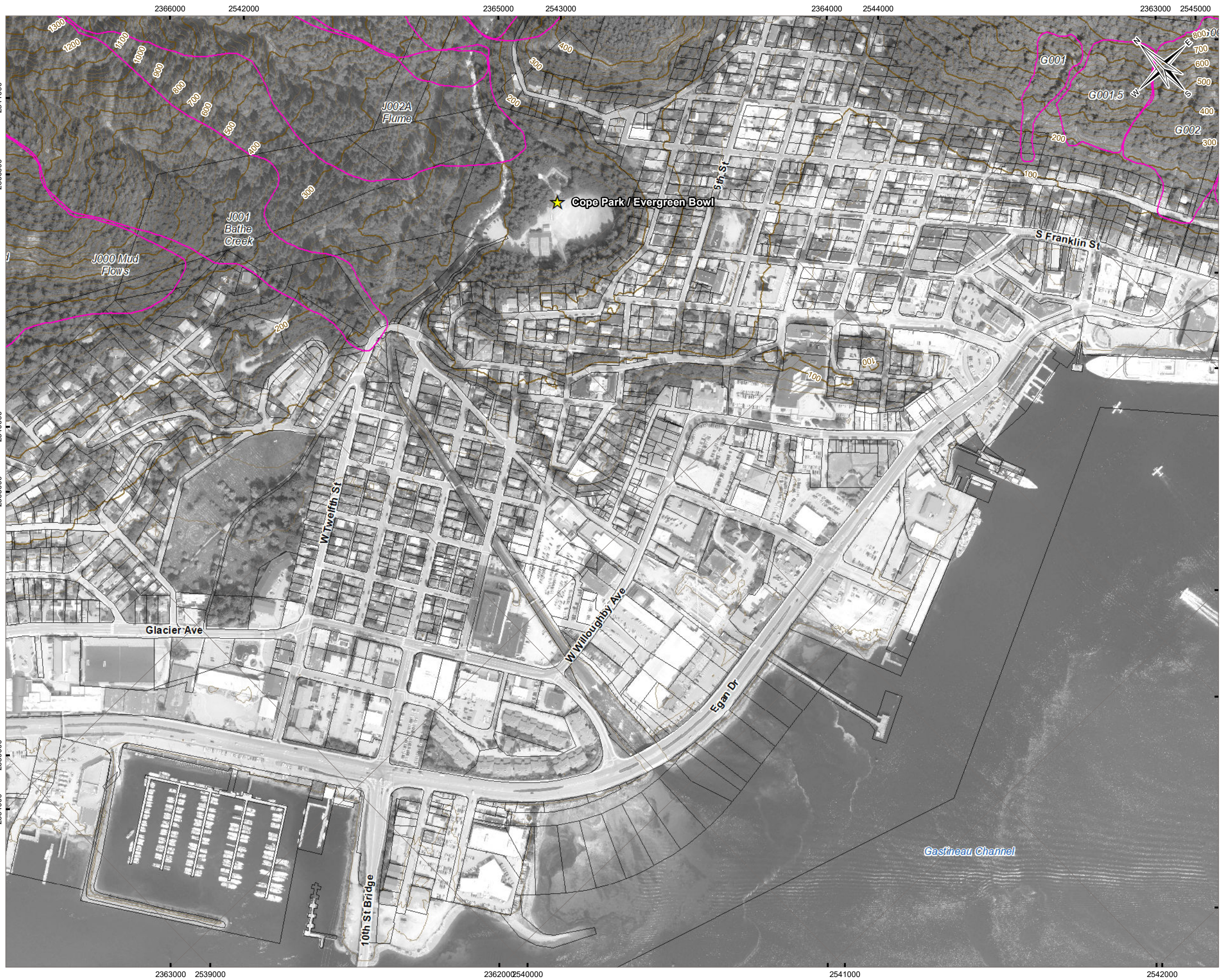
STATUS
ISSUED FOR USE

JUNEAU LANDSLIDE AND AVALANCHE ASSESSMENT

Avalanche Path Mapping Detail

PROJECTION State Plane Alaska Zone 1 5001	DATUM NAD83	CLIENT
Scale: 1:5,000 		
FILE NO. 19-0017-JUN-002		
OFFICE DAC-Rev	DWN CA	CKD AJ
DATE April 27, 2022	APVD AJ	REV 2
PROJECT NO. 19-0017-JUN		Figure 2.2b

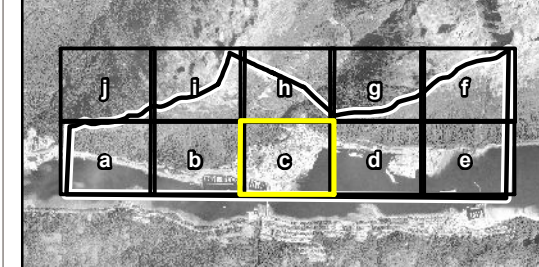
C:\Users\chris\Dropbox (DAC)\Tetra Tech - Juneau - 19-0017-JUN\Map\GIS Data\City of Juneau - FIG2-2 - Av Path Map - Detail - 20220420.mxd modified 2022-04-27 by chris



LEGEND

- Location of Interest
- Study Area
- Avalanche Path (estimated 300-year boundary)
- Base Data**
- Index Contour (100 ft)
- Intermediate Contour (25 ft)
- Land Parcel

OVERVIEW



NOTES

Low hazard designation not shown. Low hazard designation includes all areas not designated as "Moderate" or "Severe".
 Base data source:
 Land parcels provided by CBJ.
 Contours generated from 2013 LiDAR provided by CBJ.
 Background contours generated from 2012 LiDAR provided by CBJ.
 Primary imagery provided by CBJ, 2013.
 Background imagery provided by ESRI; Maxar (2020).

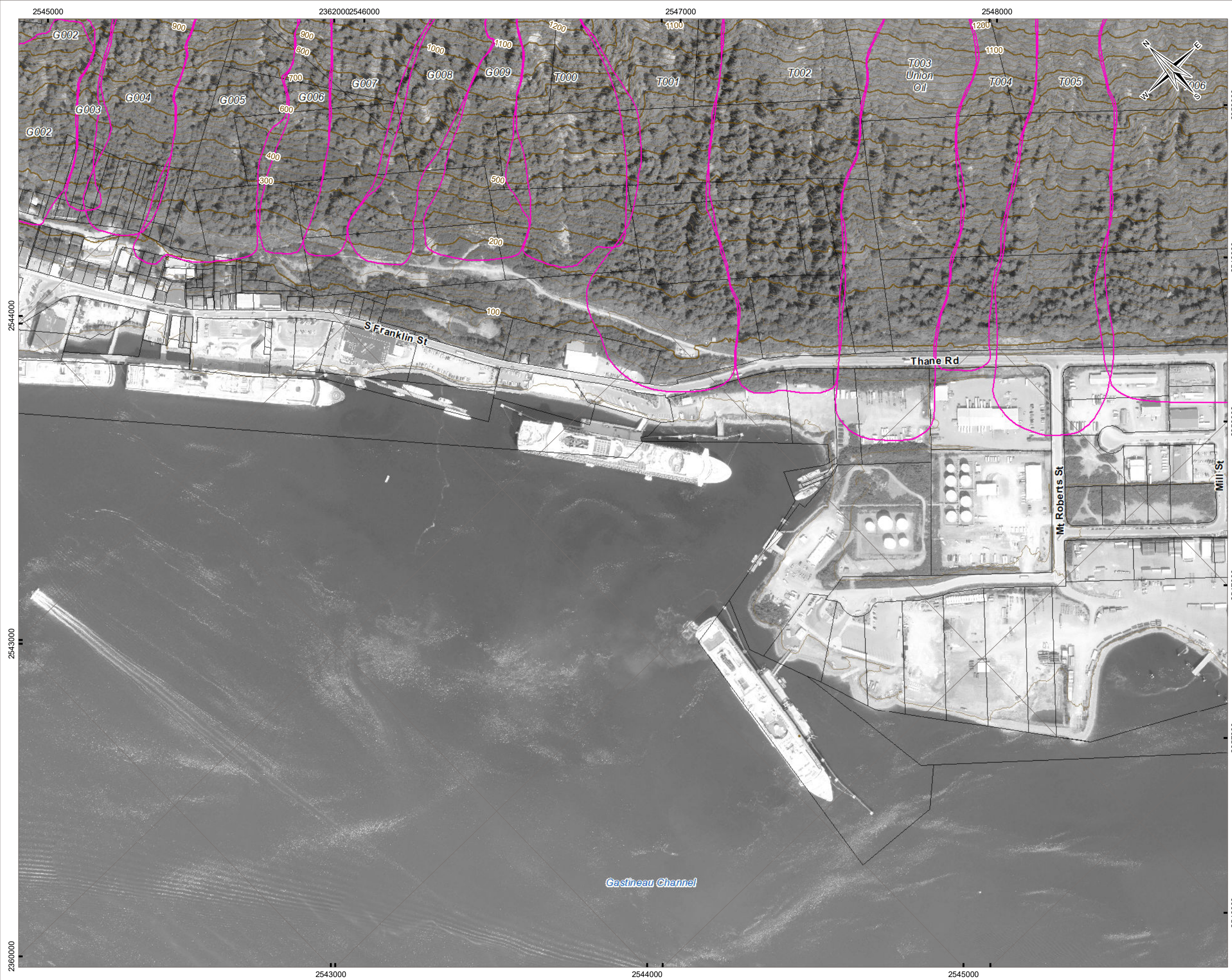
STATUS
ISSUED FOR USE

JUNEAU LANDSLIDE AND AVALANCHE ASSESSMENT

Avalanche Path Mapping Detail

PROJECTION State Plane Alaska Zone 1 5001	DATUM NAD83	CLIENT CITY AND BOROUGH OF JUNEAU ALASKA CAPITAL CITY
Scale: 1:5,000 300 150 0 300 Feet		DYNAMIC
FILE NO. 19-0017-JUN-002	OFFICE DAC-Rev	DATE April 27, 2022
DWN CA	CKD AJ	APVD AJ
REV 2	PROJECT NO. 19-0017-JUN	Figure 2.2c

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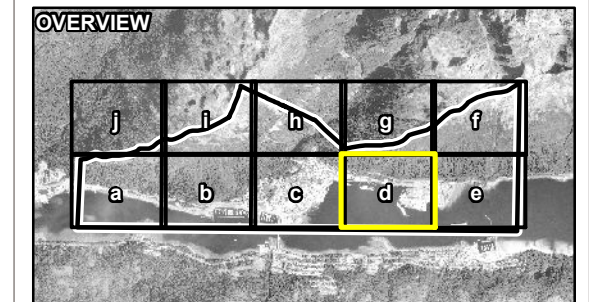


LEGEND

- Location of Interest
- Study Area
- Avalanche Path (estimated 300-year boundary)

Base Data

- Index Contour (100 ft)
- Intermediate Contour (25 ft)
- Land Parcel



NOTES
 Low hazard designation not shown. Low hazard designation includes all areas not designated as "Moderate" or "Severe".
 Base data source:
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 Contours generated from 2013 LiDAR provided by CBJ.
 Background contours generated from 2012 LiDAR provided by CBJ.
 Primary imagery provided by CBJ, 2013.
 Background imagery provided by ESRI; Maxar (2020).

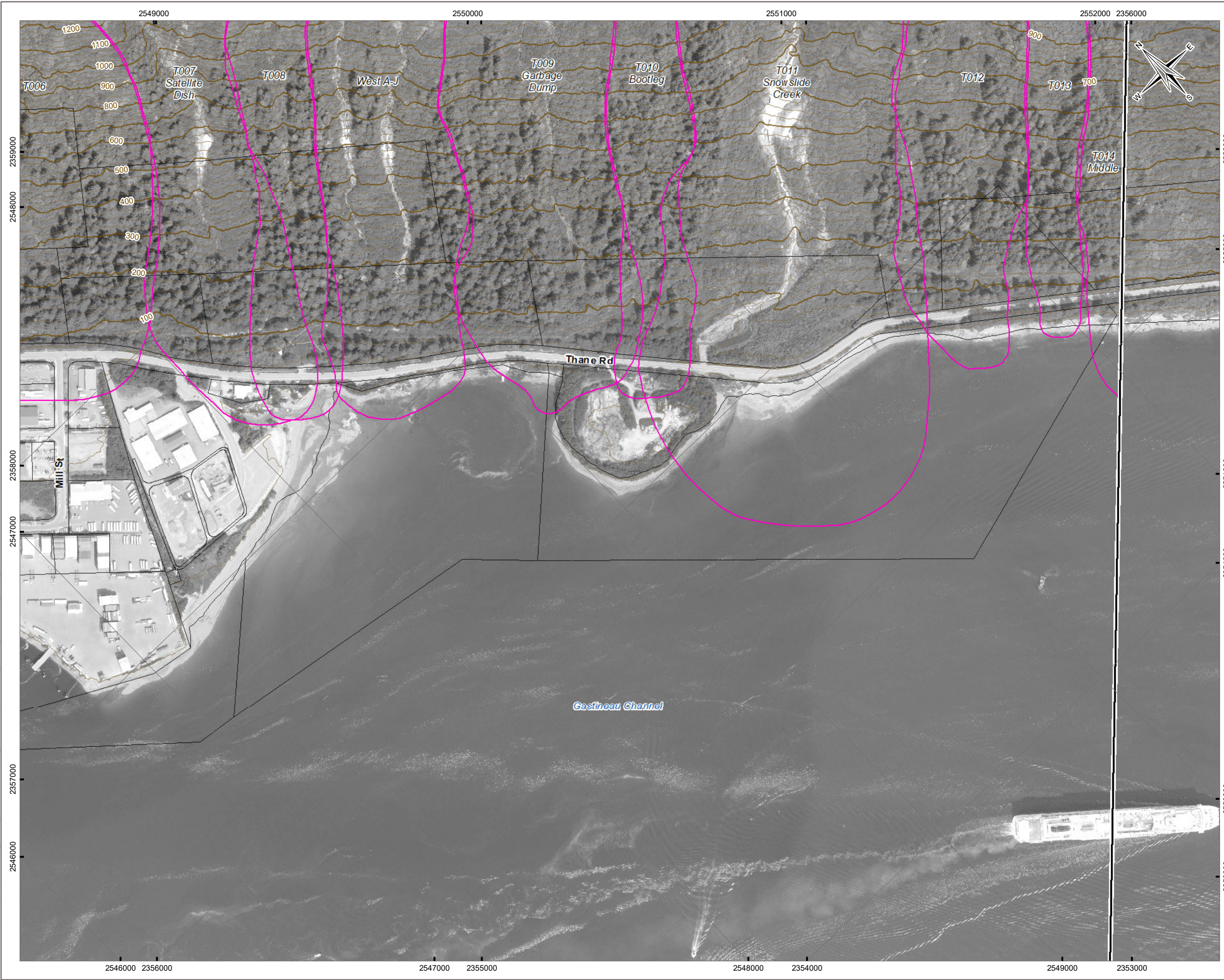
STATUS
 ISSUED FOR USE

JUNEAU LANDSLIDE AND AVALANCHE ASSESSMENT

Avalanche Path Mapping Detail

PROJECTION State Plane Alaska Zone 1 5001		DATUM NAD83		CLIENT CITY AND BOROUGH OF JUNEAU ALASKA CAPITAL CITY	
Scale: 1:5,000					
FILE NO. 19-0017-JUN-002					
OFFICE DAC-Rev	DWN CA	CKD AJ	APVD AJ	REV 2	Figure 2.2d
DATE April 27, 2022	PROJECT NO. 19-0017-JUN				

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LEGEND

- ★ Location of Interest
- Study Area
- Avalanche Path (estimated 300-year boundary)

Base Data

- Index Contour (100 ft)
- Intermediate Contour (25 ft)
- Land Parcel

OVERVIEW

NOTES

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Base data source:
 Land parcels provided by CBJ.
 Contours generated from 2013 LiDAR provided by CBJ.
 Background contours generated from 2012 LiDAR provided by CBJ.
 Primary imagery provided by CBJ, 2013.
 Background imagery provided by ESRI; Maxar (2020).

STATUS
ISSUED FOR USE

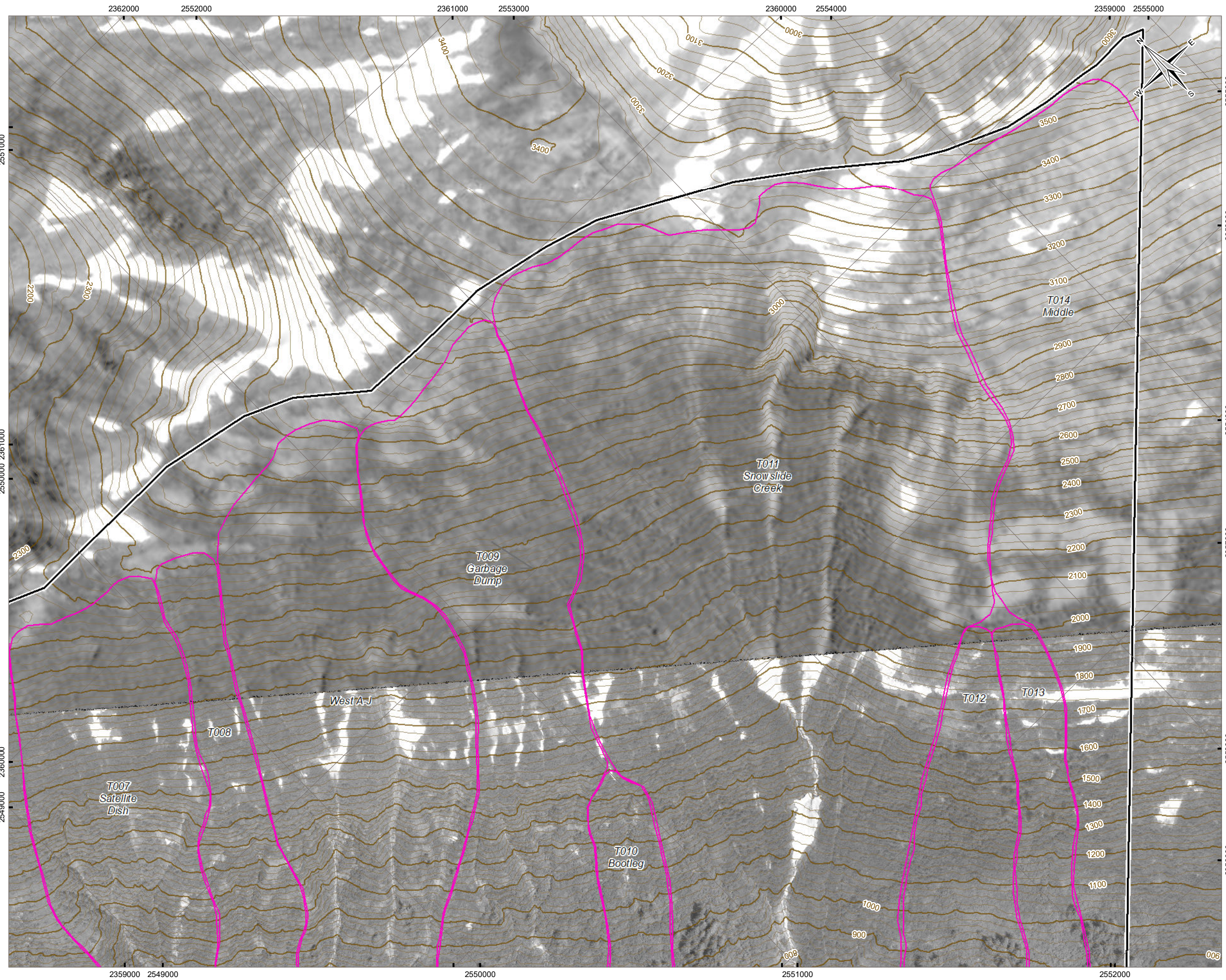
JUNEAU LANDSLIDE AND AVALANCHE ASSESSMENT

Avalanche Path Mapping Detail

PROJECTION State Plane Alaska Zone 1 5001	DATUM NAD83	CLIENT
Scale: 1:5,000 		
FILE NO. 19-0017-JUN-002		
OFFICE DAC-Rev	DWN CA	CKD AJ
APVD AJ	REV 2	
DATE April 27, 2022	PROJECT NO. 19-0017-JUN	

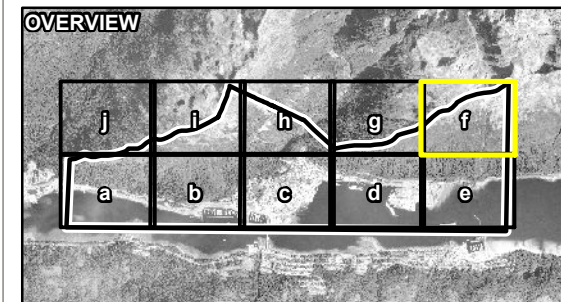
Figure 2.2e

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LEGEND

- Location of Interest
- Study Area
- Avalanche Path (estimated 300-year boundary)
- Base Data**
- Index Contour (100 ft)
- Intermediate Contour (25 ft)
- Land Parcel



NOTES
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 Contours generated from 2013 LiDAR provided by CBJ.
 Background contours generated from 2012 LiDAR provided by CBJ.
 Primary imagery provided by CBJ, 2013.
 Background imagery provided by ESRI; Maxar (2020).

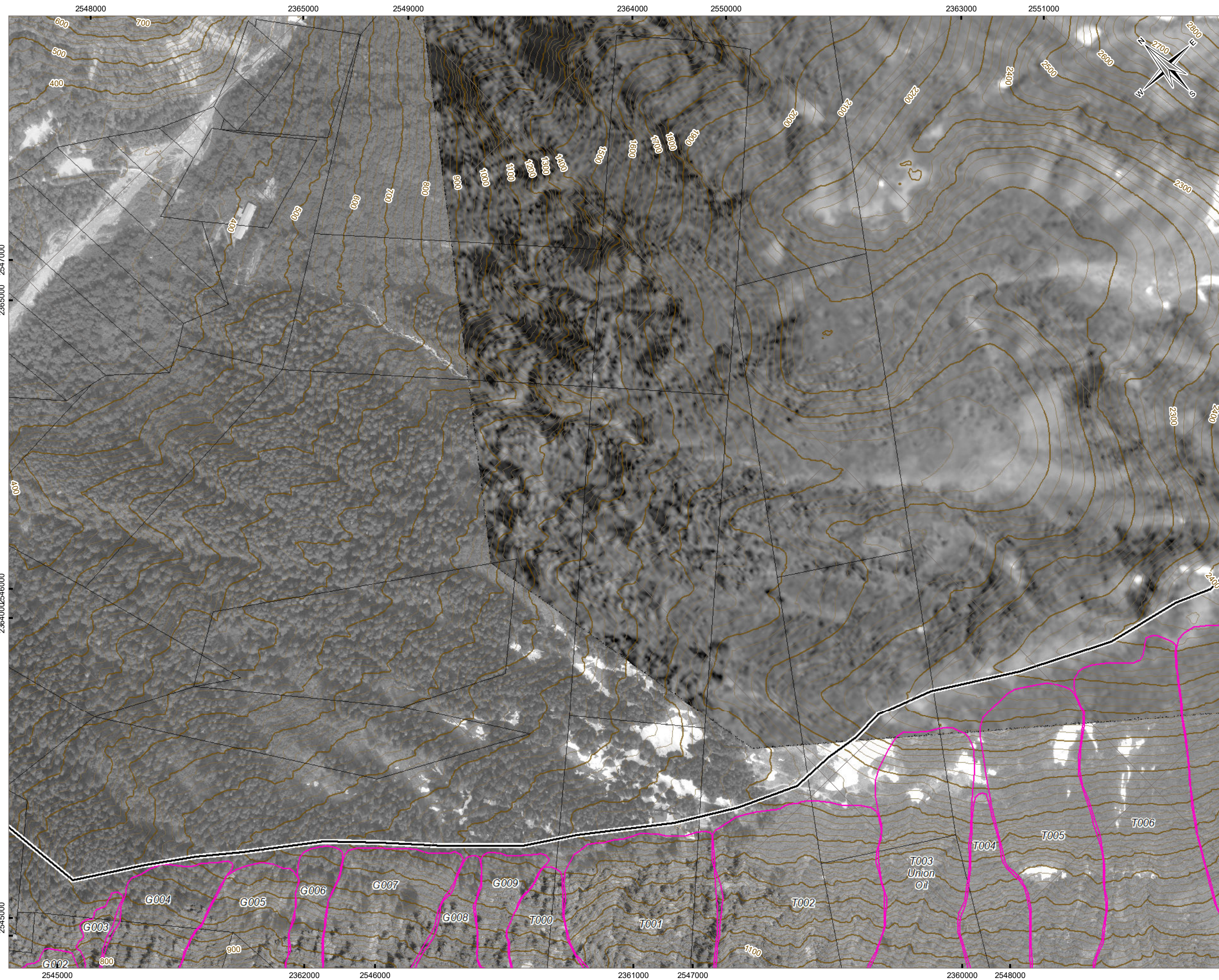
STATUS
ISSUED FOR USE

JUNEAU LANDSLIDE AND AVALANCHE ASSESSMENT

Avalanche Path Mapping Detail

PROJECTION State Plane Alaska Zone 1 5001		DATUM NAD83		CLIENT CITY AND BOROUGH OF JUNEAU ALASKA CAPITAL CITY	
Scale: 1:5,000 300 150 0 300 Feet					
FILE NO. 19-0017-JUN-002		OFFICE DAC-Rev		DWN CA	
				CKD AJ	
				APVD AJ	
				REV 2	
DATE April 27, 2022		PROJECT NO. 19-0017-JUN		Figure 2.2f	

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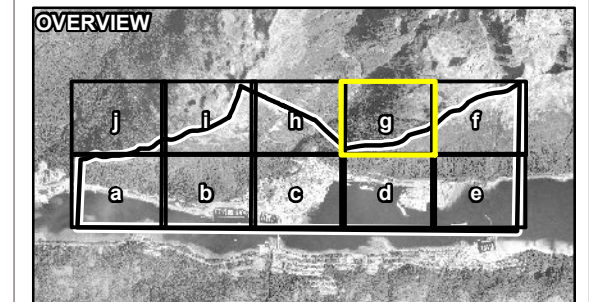


LEGEND

- ★ Location of Interest
- ▭ Study Area
- 👉 Avalanche Path (estimated 300-year boundary)

Base Data

- 📏 Index Contour (100 ft)
- 📏 Intermediate Contour (25 ft)
- ▭ Land Parcel



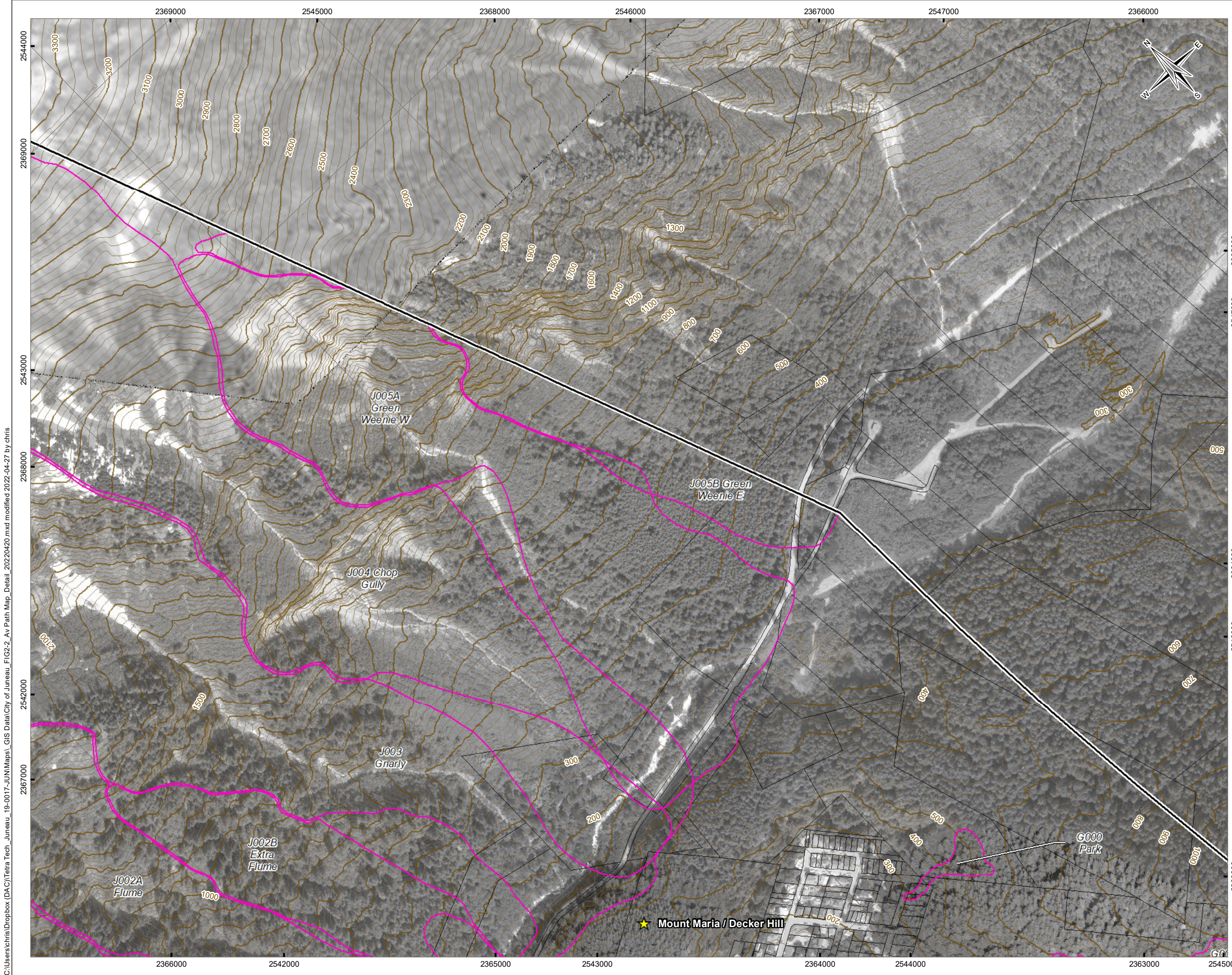
NOTES
 Low hazard designation not shown. Low hazard designation includes all areas not designated as "Moderate" or "Severe".
 Base data source:
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 Contours generated from 2013 LiDAR provided by CBJ.
 Background contours generated from 2012 LiDAR provided by CBJ.
 Primary imagery provided by CBJ, 2013.
 Background imagery provided by ESRI; Maxar (2020).

STATUS
 ISSUED FOR USE

JUNEAU LANDSLIDE AND AVALANCHE ASSESSMENT

Avalanche Path Mapping Detail

PROJECTION State Plane Alaska Zone 1 5001		DATUM NAD83		CLIENT CITY AND BOROUGH OF JUNEAU ALASKA CAPITAL CITY	
Scale: 1:5,000 300 150 0 300 Feet					
FILE NO. 19-0017-JUN-002					
OFFICE DAC-Rev		DWN CA	CKD AJ	APVD AJ	REV 2
DATE April 27, 2022		PROJECT NO. 19-0017-JUN			
Figure 2.2g					

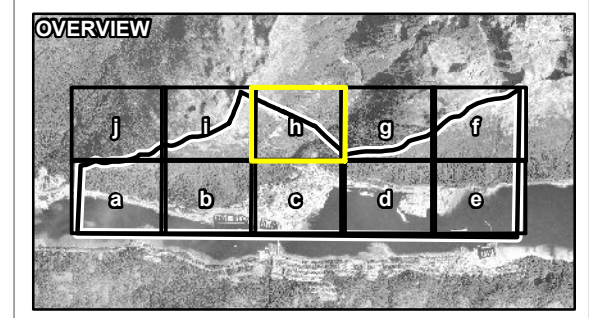


LEGEND

- ★ Location of Interest
- ▭ Study Area
- 👉 Avalanche Path (estimated 300-year boundary)

Base Data

- 📏 Index Contour (100 ft)
- 📏 Intermediate Contour (25 ft)
- 📐 Land Parcel



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 Background contours generated from 2012 LiDAR provided by CBJ.
 Primary imagery provided by CBJ, 2013.
 Background imagery provided by ESRI; Maxar (2020).

STATUS
 ISSUED FOR USE

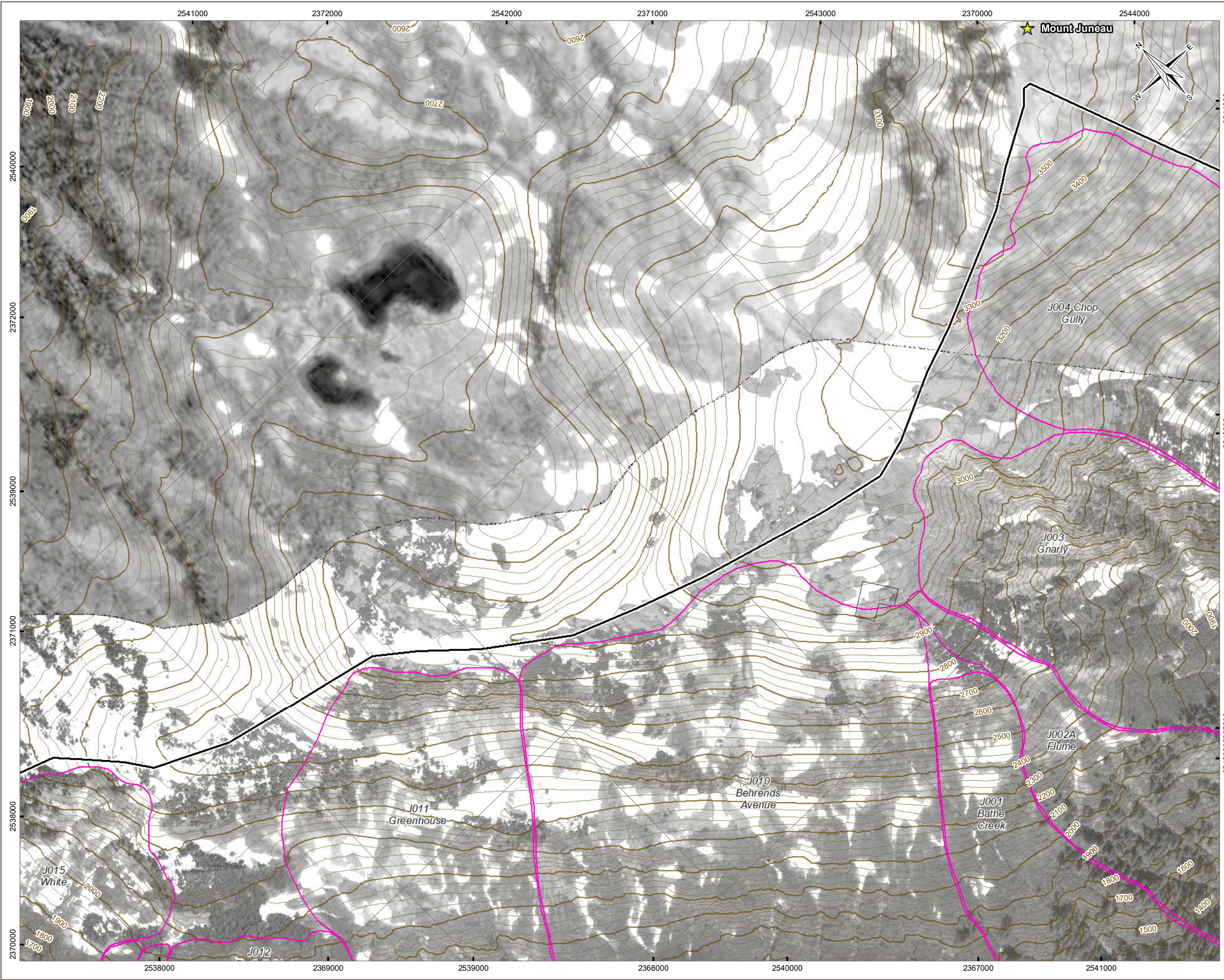
JUNEAU LANDSLIDE AND AVALANCHE ASSESSMENT

Avalanche Path Mapping Detail

PROJECTION State Plane Alaska Zone 1 5001	DATUM NAD83	CLIENT CITY AND BOROUGH OF JUNEAU ALASKA CAPITAL CITY			
Scale: 1:5,000 300 150 0 300 Feet					
FILE NO. 19-0017-JUN-002		Figure 2.2h			
OFFICE DAC-Rev	DWN CA		CKD AJ	APVD AJ	REV 2
DATE April 27, 2022	PROJECT NO. 19-0017-JUN				

C:\Users\chris\Dropbox (DAC)\Tetra Tech - Juneau - 19-0017-JUN\Maps\GIS Data\City of Juneau FIG2-2_Av Path Map_Detail_20220420.mxd modified 2022-04-27 by chris

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LEGEND

- ★ Location of Interest
- Study Area
- Avalanche Path (estimated 300-year boundary)

Base Data

- Index Contour (100 ft)
- Intermediate Contour (25 ft)
- Land Parcel

OVERVIEW

NOTES

Low hazard designation not shown. Low hazard designation includes all areas not designated as "Moderate" or "Severe".

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 Contours generated from 2013 LiDAR provided by CBJ.
 Background contours generated from 2012 LiDAR provided by CBJ.
 Primary imagery provided by CBJ, 2013.
 Background imagery provided by ESRI; Maxar (2020).

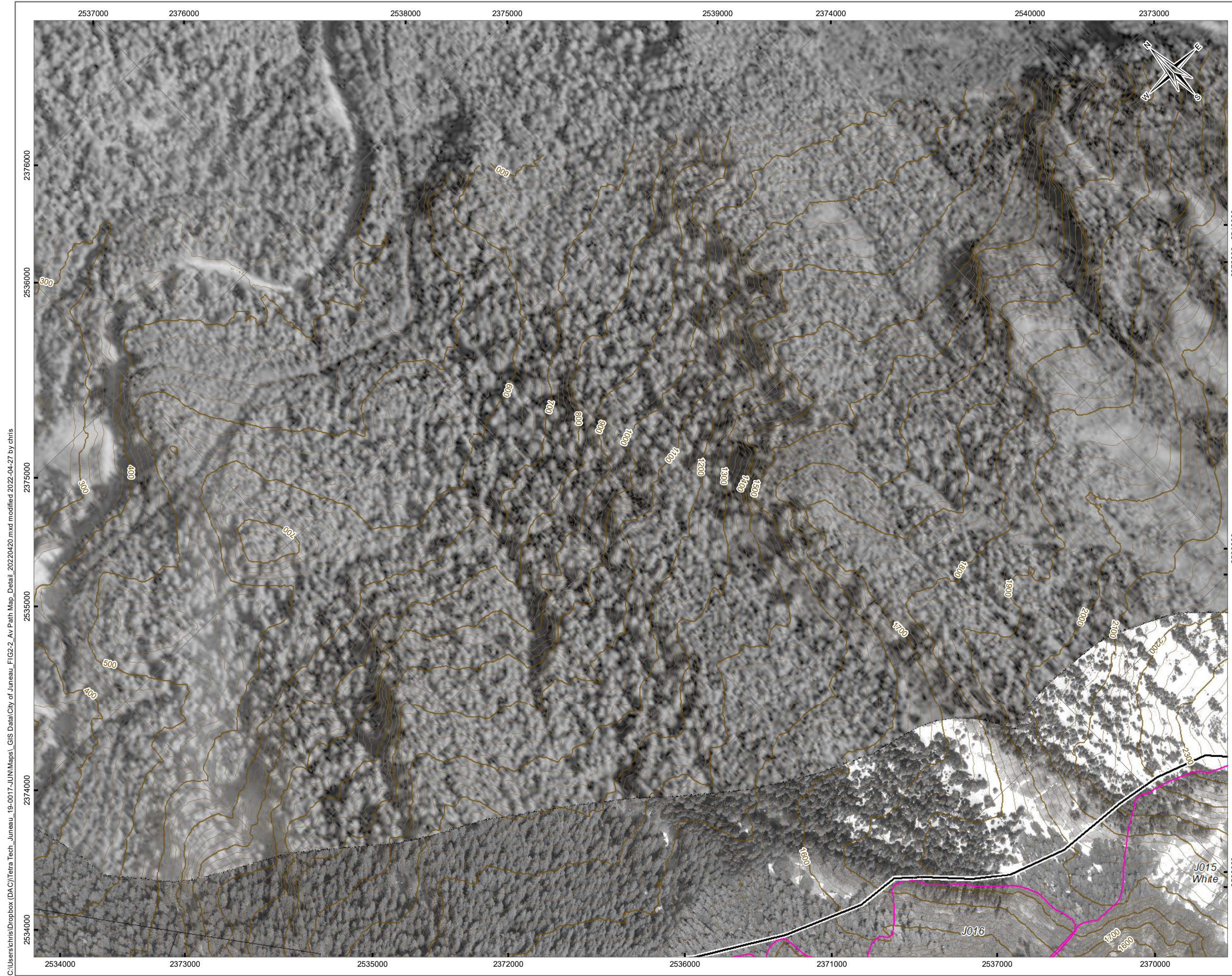
STATUS
ISSUED FOR USE

JUNEAU LANDSLIDE AND AVALANCHE ASSESSMENT

Avalanche Path Mapping Detail

PROJECTION State Plane Alaska Zone 1 5001	DATUM NAD83	CLIENT CITY AND BOROUGH OF JUNEAU ALASKA CAPITAL CITY
Scale: 1:5,000 Feet		
FILE NO. 19-0017-JUN-002		
OFFICE DAC-Rev	DWN CA	CKD AJ
APVD AJ	REV 2	
DATE April 27, 2022	PROJECT NO. 19-0017-JUN	

Figure 2.2i



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LEGEND

- ★ Location of Interest
- Study Area
- Avalanche Path (estimated 300-year boundary)

Base Data

- Index Contour (100 ft)
- Intermediate Contour (25 ft)
- Land Parcel

OVERVIEW

NOTES

Low hazard designation not shown. Low hazard designation includes all areas not designated as "Moderate" or "Severe".

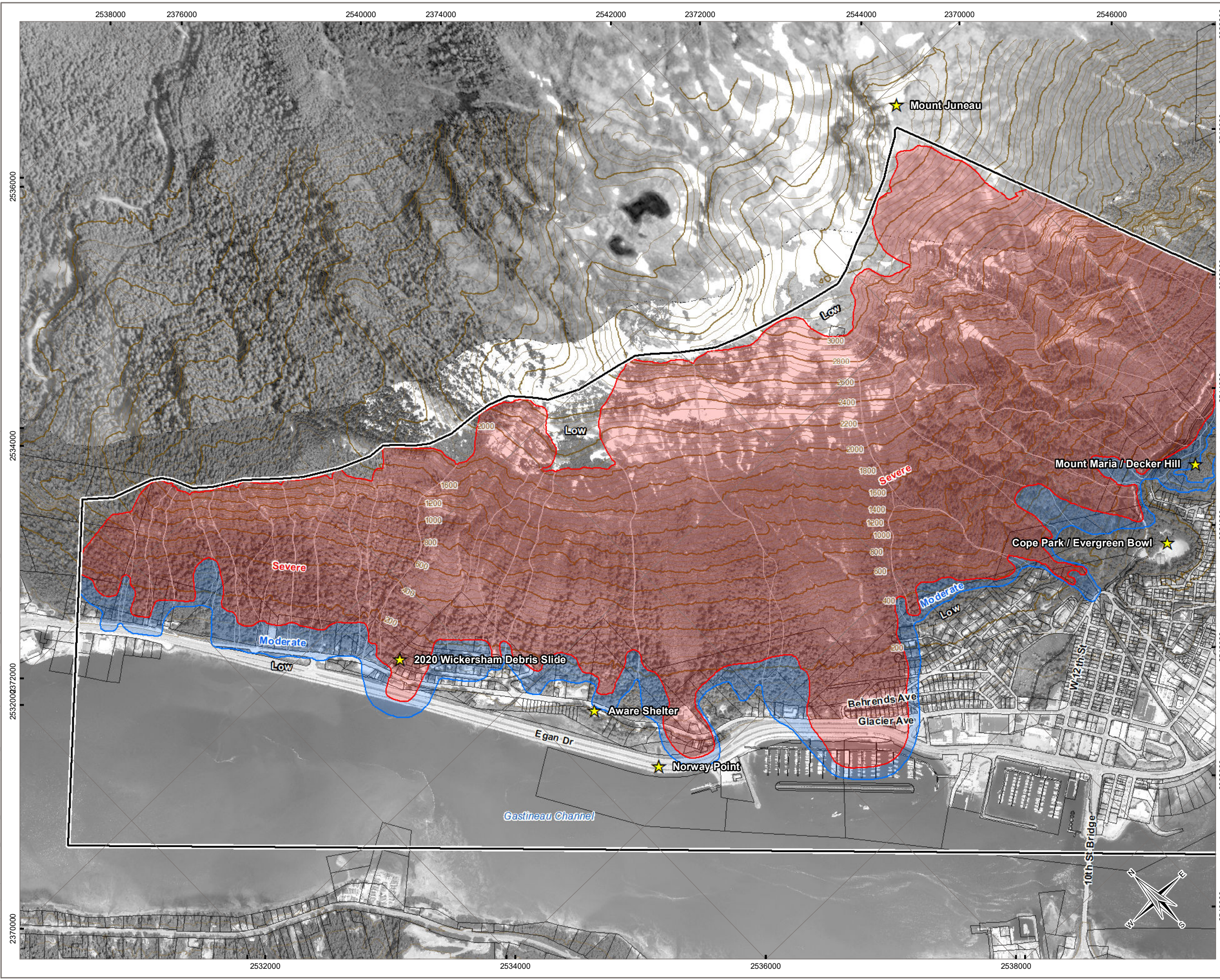
Base data source:
 Land parcels provided by CBJ.
 Contours generated from 2013 LiDAR provided by CBJ.
 Background contours generated from 2012 LiDAR provided by CBJ.
 Primary imagery provided by CBJ, 2013.
 Background imagery provided by ESRI; Maxar (2020).

STATUS
ISSUED FOR USE

JUNEAU LANDSLIDE AND AVALANCHE ASSESSMENT

Avalanche Path Mapping Detail

PROJECTION State Plane Alaska Zone 1 5001	DATUM NAD83	CLIENT CITY AND BOROUGH OF JUNEAU ALASKA CAPITAL CITY
Scale: 1:5,000 300 150 0 300 Feet		 DYNAMIC PLANNING & CONSULTING
FILE NO. 19-0017-JUN-002		
OFFICE DAC-Rev	DWN CA	CKD AJ
DATE April 27, 2022	APVD AJ	REV 2
PROJECT NO. 19-0017-JUN		Figure 2.2j



LEGEND

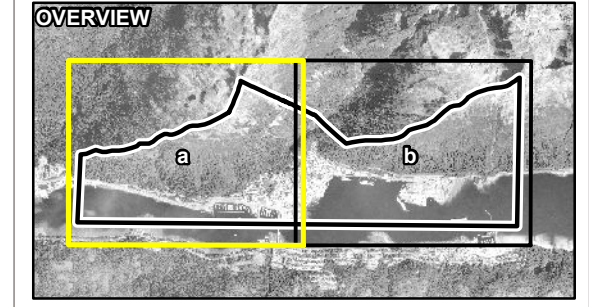
- ★ Location of Interest
- ▭ Study Area
- ⬭ Avalanche Path (estimated 300-year boundary)

Base Data

- Index Contour (200 ft)
- Intermediate Contour (50 ft)
- ▭ Land Parcel

AVALANCHE HAZARD DESIGNATION

- Low**
Return period greater than 300 years
OR
Impact pressures less than 20 lbs/ft² (1 kPa) with a return period greater than 30 years.
- Moderate**
Return period between 30 and 300 years;
AND
Impact pressure less than 600 lbs/ft² (30 kPa).
- Severe**
Return period less than 30 years;
AND/OR
Impact pressure greater than or equal to 600 lbs/ft² (30 kPa).



NOTES
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 Base data source:
 Land parcels provided by CBJ.
 Contours generated from 2013 LiDAR provided by CBJ.
 Background contours generated from 2012 LiDAR provided by CBJ.
 Primary imagery provided by CBJ, 2013.
 Background imagery provided by ESRI; Maxar (2020).

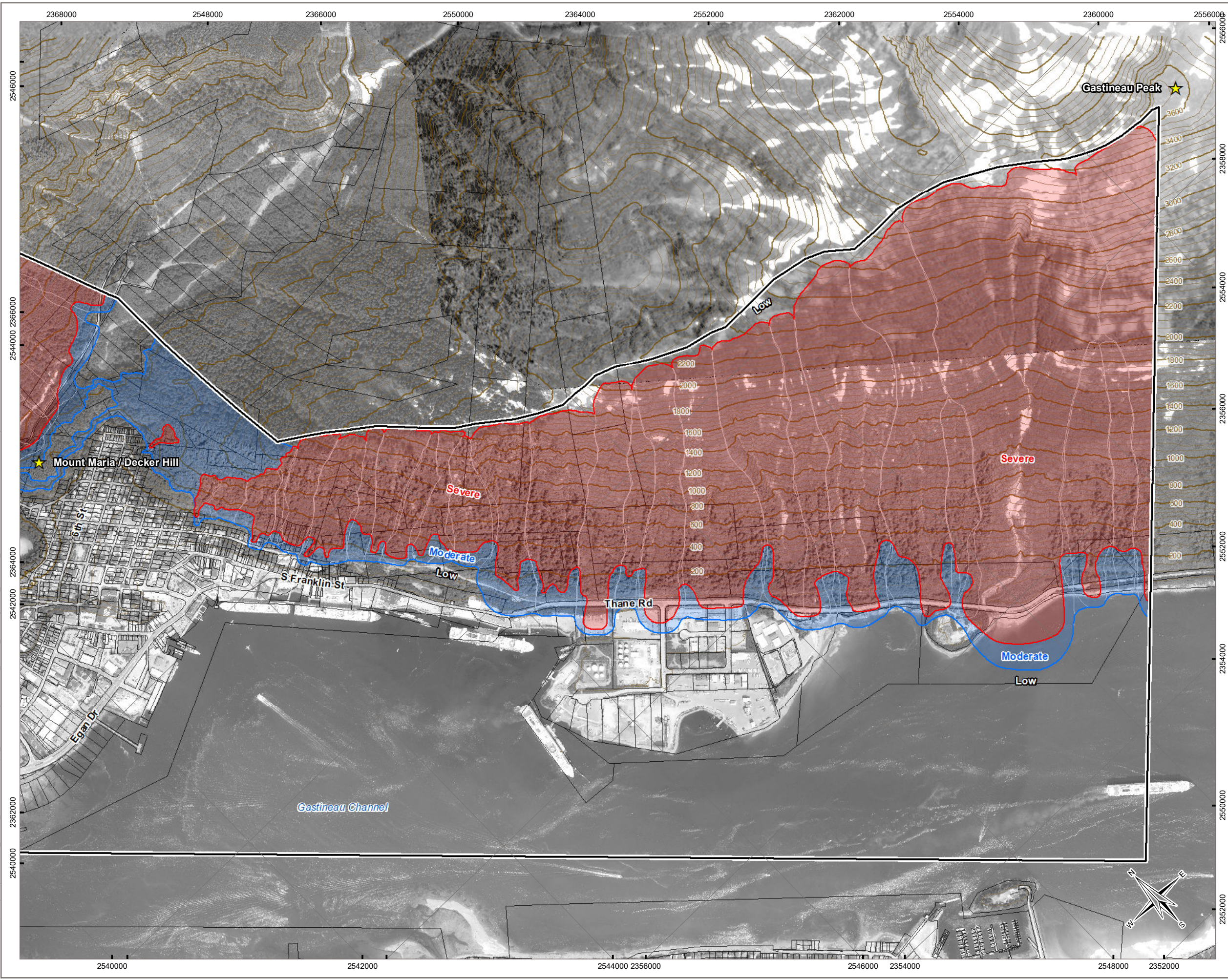
STATUS
ISSUED FOR USE

JUNEAU LANDSLIDE AND AVALANCHE ASSESSMENT

Avalanche Hazard Designation Mapping Overview

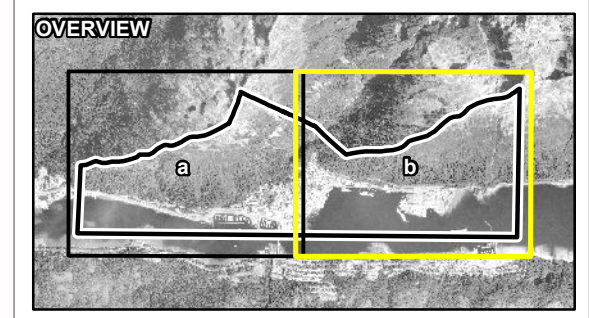
PROJECTION State Plane Alaska Zone 1 5001	DATUM NAD83	CLIENT CITY AND BOROUGH OF JUNEAU ALASKA CAPITAL CITY
Scale: 1:12,500 800 400 0 800 Feet		DYNAMIC
FILE NO. 19-0017-JUN-002	OFFICE DAC-Rev	DATE April 27, 2022
DWN CA	CKD AJ	APVD AJ
REV 2	PROJECT NO. 19-0017-JUN	Figure 2.3a

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LEGEND

- Location of Interest
- Study Area
- Avalanche Path (estimated 300-year boundary)
- Base Data**
 - Index Contour (200 ft)
 - Intermediate Contour (50 ft)
 - Land Parcel
- AVALANCHE HAZARD DESIGNATION**
 - Low**
Return period greater than 300 years
OR
Impact pressures less than 20 lbs/ft² (1 kPa) with a return period greater than 30 years.
 - Moderate**
Return period between 30 and 300 years;
AND
Impact pressure less than 600 lbs/ft² (30 kPa).
 - Severe**
Return period less than 30 years;
AND/OR
Impact pressure greater than or equal to 600 lbs/ft² (30 kPa).



NOTES

Low hazard designation not shown. Low hazard designation includes all areas not designated as "Moderate" or "Severe".

Base data source:
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 Contours generated from 2013 LiDAR provided by CBJ.
 Background contours generated from 2012 LiDAR provided by CBJ.
 Primary imagery provided by CBJ, 2013.
 Background imagery provided by ESRI; Maxar (2020).

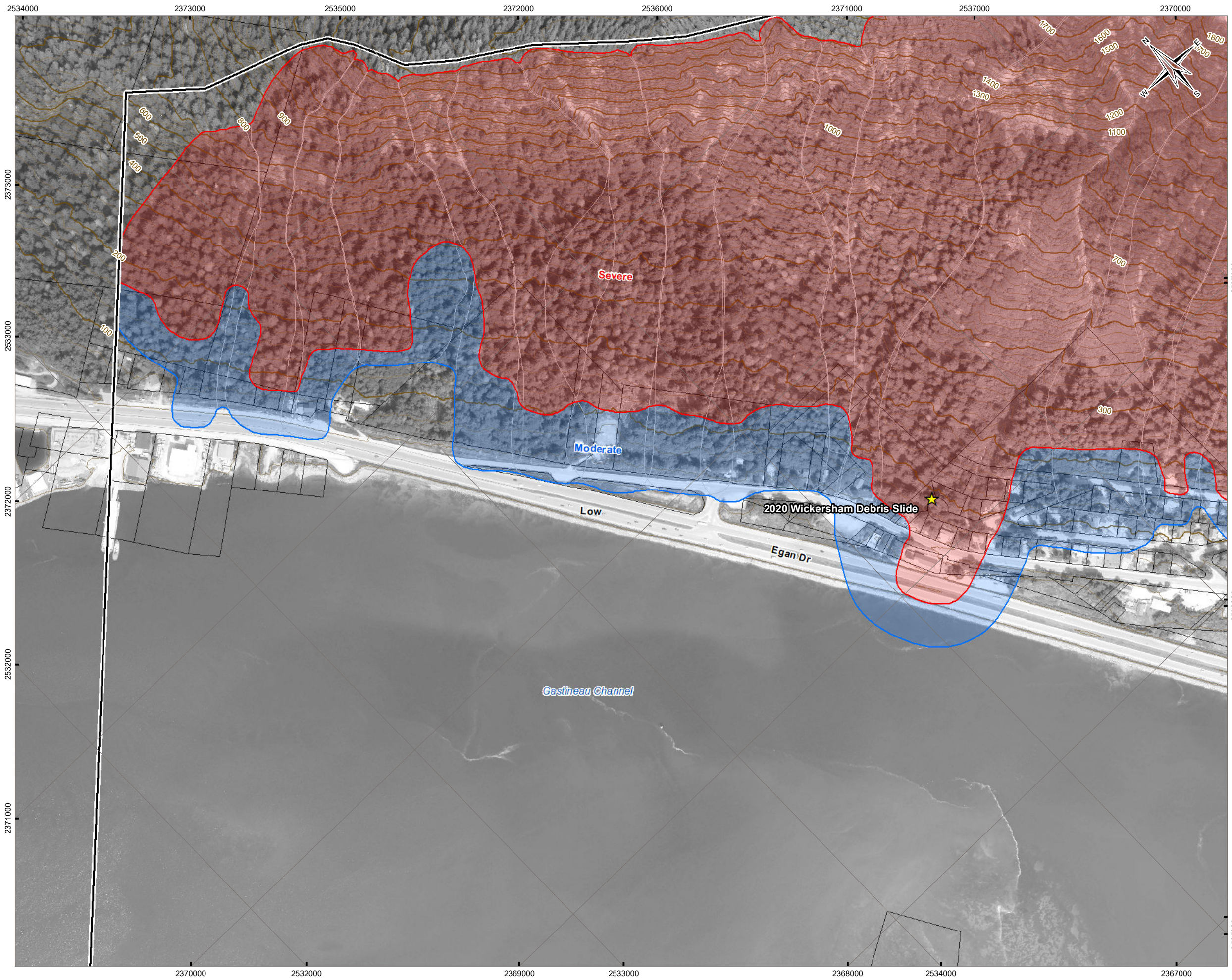
STATUS
ISSUED FOR USE

JUNEAU LANDSLIDE AND AVALANCHE ASSESSMENT

Avalanche Hazard Designation Mapping Overview

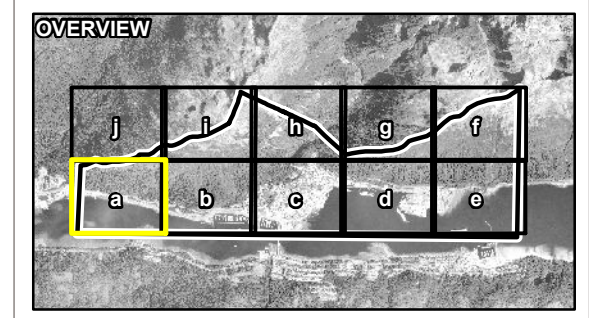
PROJECTION State Plane Alaska Zone 1 5001	DATUM NAD83	CLIENT CITY AND BOROUGH OF JUNEAU ALASKA CAPITAL CITY
Scale: 1:12,500 800 400 0 800 Feet		DYNAMIC ENGINEERING & CONSULTANTS
FILE NO. 19-0017-JUN-002	Figure 2.3b	
OFFICE DAC-Rev	DWN CA	CKD AJ
APVD AJ	REV 2	
DATE April 27, 2022	PROJECT NO. 19-0017-JUN	

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LEGEND

- Location of Interest
- Study Area
- Avalanche Path (estimated 300-year boundary)
- Base Data**
- Index Contour (100 ft)
- Intermediate Contour (25 ft)
- Land Parcel
- AVALANCHE HAZARD DESIGNATION**
- Low**
Return period greater than 300 years
OR
Impact pressures less than 20 lbs/ft² (1 kPa) with a return period greater than 30 years.
- Moderate**
Return period between 30 and 300 years;
AND
Impact pressure less than 600 lbs/ft² (30 kPa).
- Severe**
Return period less than 30 years;
AND/OR
Impact pressure greater than or equal to 600 lbs/ft² (30 kPa).



NOTES
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 Background contours generated from 2012 LiDAR provided by CBJ.
 Primary imagery provided by CBJ, 2013.
 Background imagery provided by ESRI; Maxar (2020).

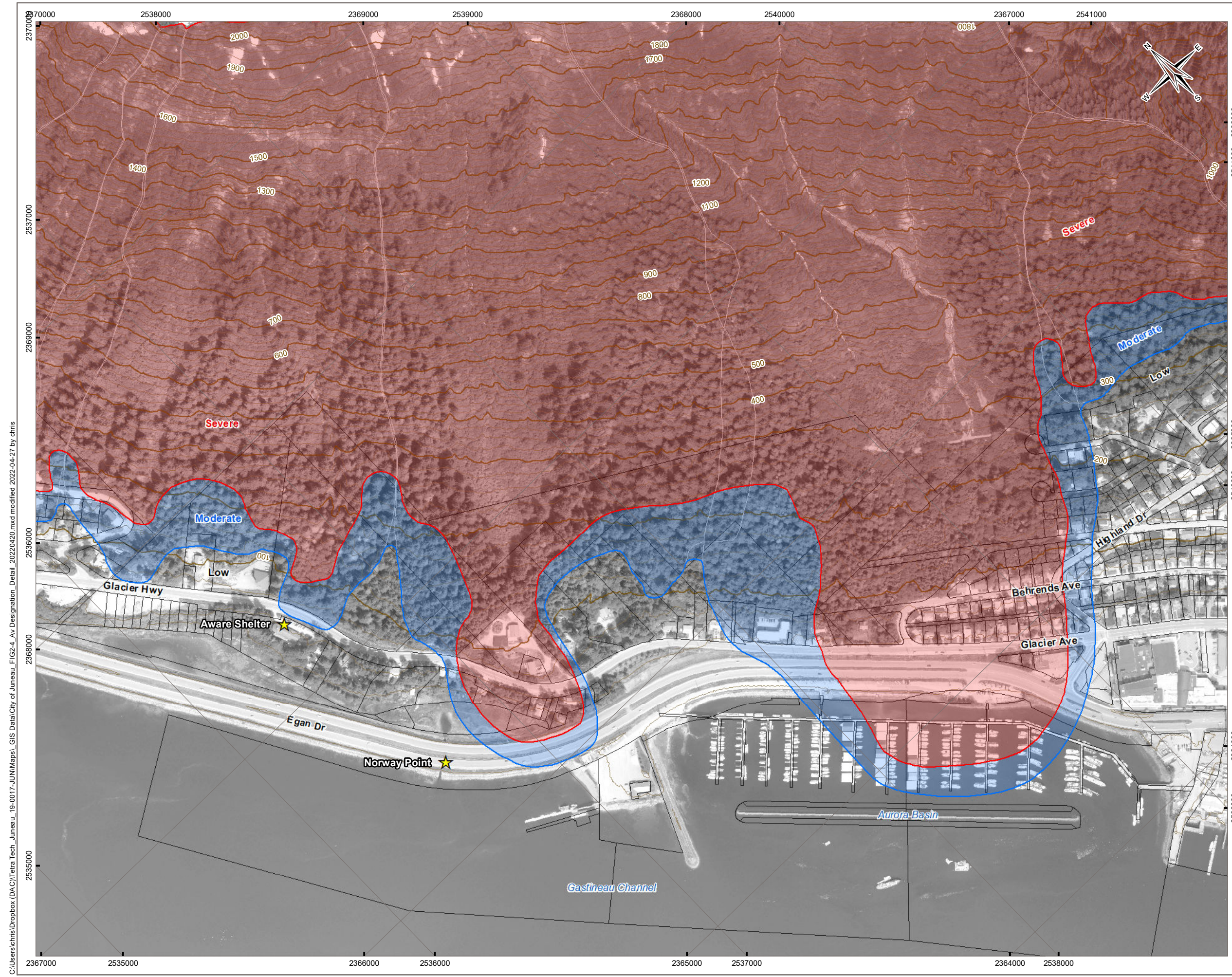
STATUS
ISSUED FOR USE

JUNEAU LANDSLIDE AND AVALANCHE ASSESSMENT

Avalanche Hazard Designation Mapping Detail

PROJECTION State Plane Alaska Zone 1 5001	DATUM NAD83	CLIENT CITY AND BOROUGH OF JUNEAU ALASKA CAPITAL CITY			
Scale: 1:5,000 					
FILE NO. 19-0017-JUN-002		Figure 2.4a			
OFFICE DAC-Rev	DWN CA		CKD AJ	APVD AJ	REV 2
DATE April 27, 2022	PROJECT NO. 19-0017-JUN				

C:\Users\chris\Dropbox (D&C)\Tetra Tech - Juneau - 19-0017-JUN\Maps - GIS Data\City of Juneau - FIG2-4 - Av Designation - Detail - 20220420.mxd modified 2022-04-27 by chris



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LEGEND

- ★ Location of Interest
- Study Area
- Avalanche Path (estimated 300-year boundary)

Base Data

- Index Contour (100 ft)
- Intermediate Contour (25 ft)
- Land Parcel

AVALANCHE HAZARD DESIGNATION

- Low**
Return period greater than 300 years
OR
Impact pressures less than 20 lbs/ft² (1 kPa) with a return period greater than 30 years.
- Moderate**
Return period between 30 and 300 years;
AND
Impact pressure less than 600 lbs/ft² (30 kPa).
- Severe**
Return period less than 30 years;
AND/OR
Impact pressure greater than or equal to 600 lbs/ft² (30 kPa).

OVERVIEW

NOTES
 Low hazard designation not shown. Low hazard designation includes all areas not designated as "Moderate" or "Severe".
 Base data source:
 Land parcels provided by CBJ.
 Contours generated from 2013 LiDAR provided by CBJ.
 Background contours generated from 2012 LiDAR provided by CBJ.
 Primary imagery provided by CBJ, 2013.
 Background imagery provided by ESRI; Maxar (2020).

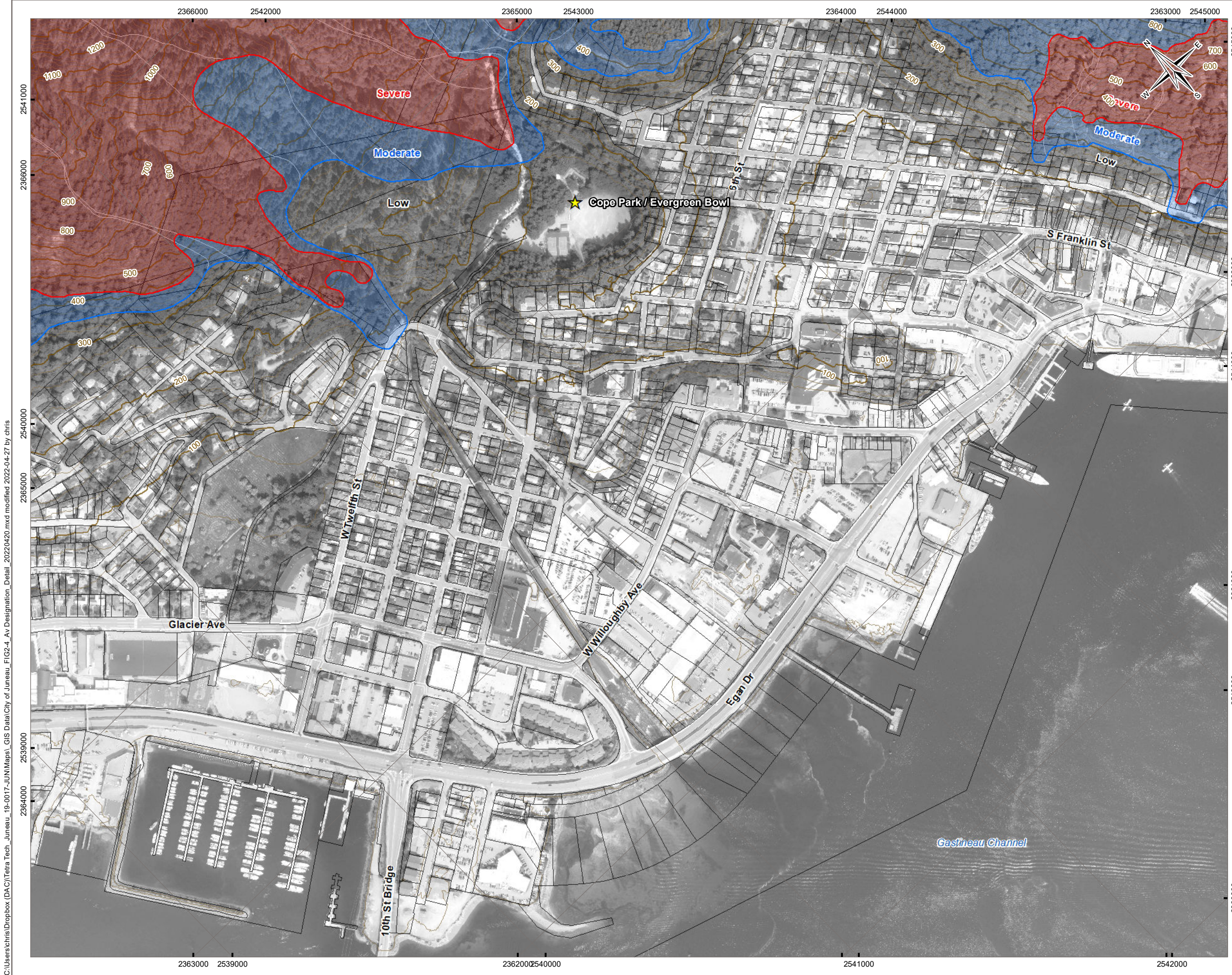
STATUS
ISSUED FOR USE

JUNEAU LANDSLIDE AND AVALANCHE ASSESSMENT

**Avalanche Hazard Designation Mapping
Detail**

PROJECTION State Plane Alaska Zone 1 5001	DATUM NAD83	CLIENT CITY AND BOROUGH OF JUNEAU ALASKA CAPITAL CITY		
Scale: 1:5,000				
		 DYNAMIC PLANNING & DESIGN		
FILE NO. 19-0017-JUN-002				
OFFICE DAC-Rev	DWN CA	CKD AJ	APVD AJ	REV 2
DATE April 27, 2022	PROJECT NO. 19-0017-JUN			

Figure 2.4b



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LEGEND

- ★ Location of Interest
- Study Area
- Avalanche Path (estimated 300-year boundary)

Base Data

- Index Contour (100 ft)
- Intermediate Contour (25 ft)
- Land Parcel

AVALANCHE HAZARD DESIGNATION

- Low**
Return period greater than 300 years
OR
Impact pressures less than 20 lbs/ft² (1 kPa) with a return period greater than 30 years.
- Moderate**
Return period between 30 and 300 years;
AND
Impact pressure less than 600 lbs/ft² (30 kPa).
- Severe**
Return period less than 30 years;
AND/OR
Impact pressure greater than or equal to 600 lbs/ft² (30 kPa).

OVERVIEW

NOTES

Low hazard designation not shown. Low hazard designation includes all areas not designated as "Moderate" or "Severe".

Base data source:
 Land parcels provided by CBJ.
 Contours generated from 2013 LiDAR provided by CBJ.
 Background contours generated from 2012 LiDAR provided by CBJ.
 Primary imagery provided by CBJ, 2013.
 Background imagery provided by ESRI; Maxar (2020).

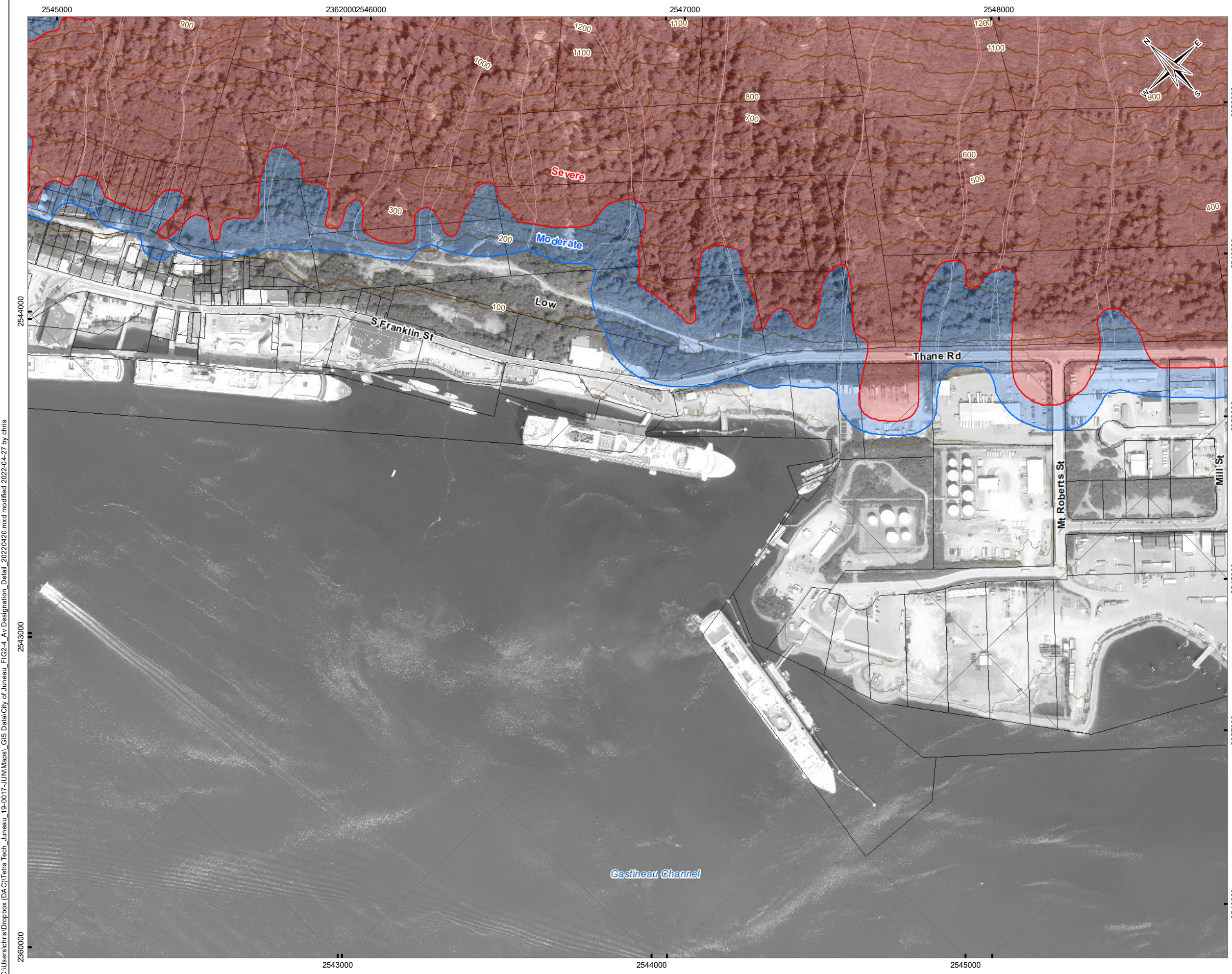
STATUS
ISSUED FOR USE

JUNEAU LANDSLIDE AND AVALANCHE ASSESSMENT

Avalanche Hazard Designation Mapping
Detail

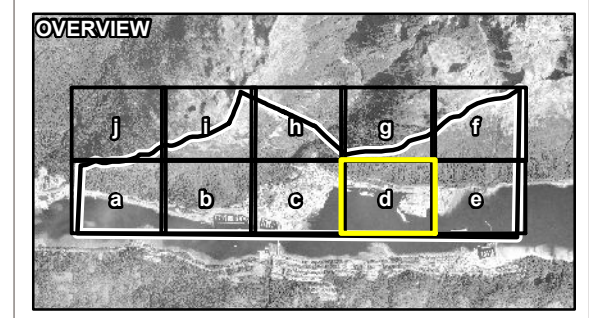
PROJECTION State Plane Alaska Zone 1 5001	DATUM NAD83
Scale: 1:5,000	
CLIENT CITY AND BOROUGH OF JUNEAU ALASKA CAPITAL CITY	
FILE NO. 19-0017-JUN-002	
OFFICE DAC-Rev	DWN CA CKD AJ APVD AJ REV 2
DATE April 27, 2022	PROJECT NO. 19-0017-JUN

Figure 2.4c



LEGEND

- Location of Interest
- Study Area
- Avalanche Path (estimated 300-year boundary)
- Base Data**
- Index Contour (100 ft)
- Intermediate Contour (25 ft)
- Land Parcel
- AVALANCHE HAZARD DESIGNATION**
- Low**
Return period greater than 300 years
OR
Impact pressures less than 20 lbs/ft² (1 kPa) with a return period greater than 30 years.
- Moderate**
Return period between 30 and 300 years;
AND
Impact pressure less than 600 lbs/ft² (30 kPa).
- Severe**
Return period less than 30 years;
AND/OR
Impact pressure greater than or equal to 600 lbs/ft² (30 kPa).



NOTES
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 Base data source:
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 Contours generated from 2013 LiDAR provided by CBJ.
 Background contours generated from 2012 LiDAR provided by CBJ.
 Primary imagery provided by CBJ, 2013.
 Background imagery provided by ESRI; Maxar (2020).

STATUS
ISSUED FOR USE

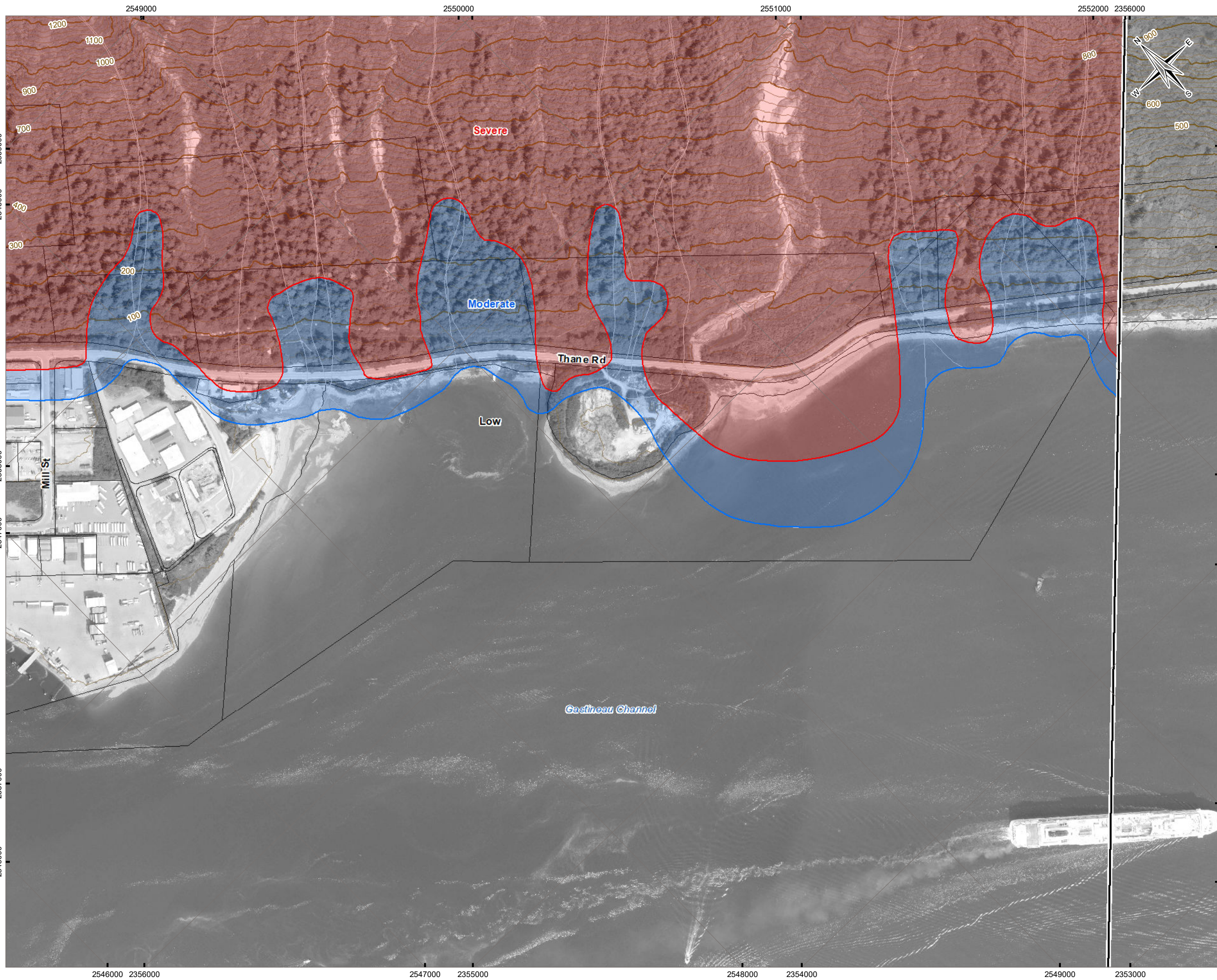
JUNEAU LANDSLIDE AND AVALANCHE ASSESSMENT

Avalanche Hazard Designation Mapping Detail

PROJECTION State Plane Alaska Zone 1 5001	DATUM NAD83	CLIENT 			
Scale: 1:5,000 					
FILE NO. 19-0017-JUN-002		Figure 2.4d			
OFFICE DAC-Rev	DWN CA		CKD AJ	APVD AJ	REV 2
DATE April 27, 2022	PROJECT NO. 19-0017-JUN				

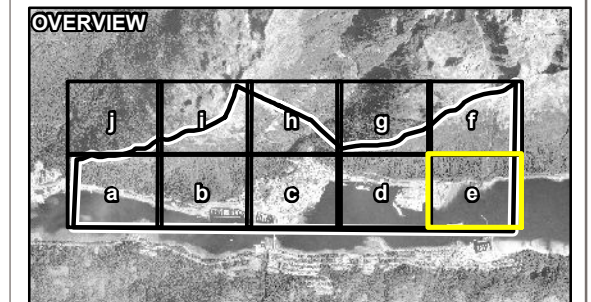
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LEGEND

- Location of Interest
- Study Area
- Avalanche Path (estimated 300-year boundary)
- Base Data**
 - Index Contour (100 ft)
 - Intermediate Contour (25 ft)
 - Land Parcel
- AVALANCHE HAZARD DESIGNATION**
 - Low**
Return period greater than 300 years
OR
Impact pressures less than 20 lbs/ft² (1 kPa) with a return period greater than 30 years.
 - Moderate**
Return period between 30 and 300 years;
AND
Impact pressure less than 600 lbs/ft² (30 kPa).
 - Severe**
Return period less than 30 years;
AND/OR
Impact pressure greater than or equal to 600 lbs/ft² (30 kPa).



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 Contours generated from 2013 LiDAR provided by CBJ.
 Background contours generated from 2012 LiDAR provided by CBJ.
 Primary imagery provided by CBJ, 2013.
 Background imagery provided by ESRI; Maxar (2020).

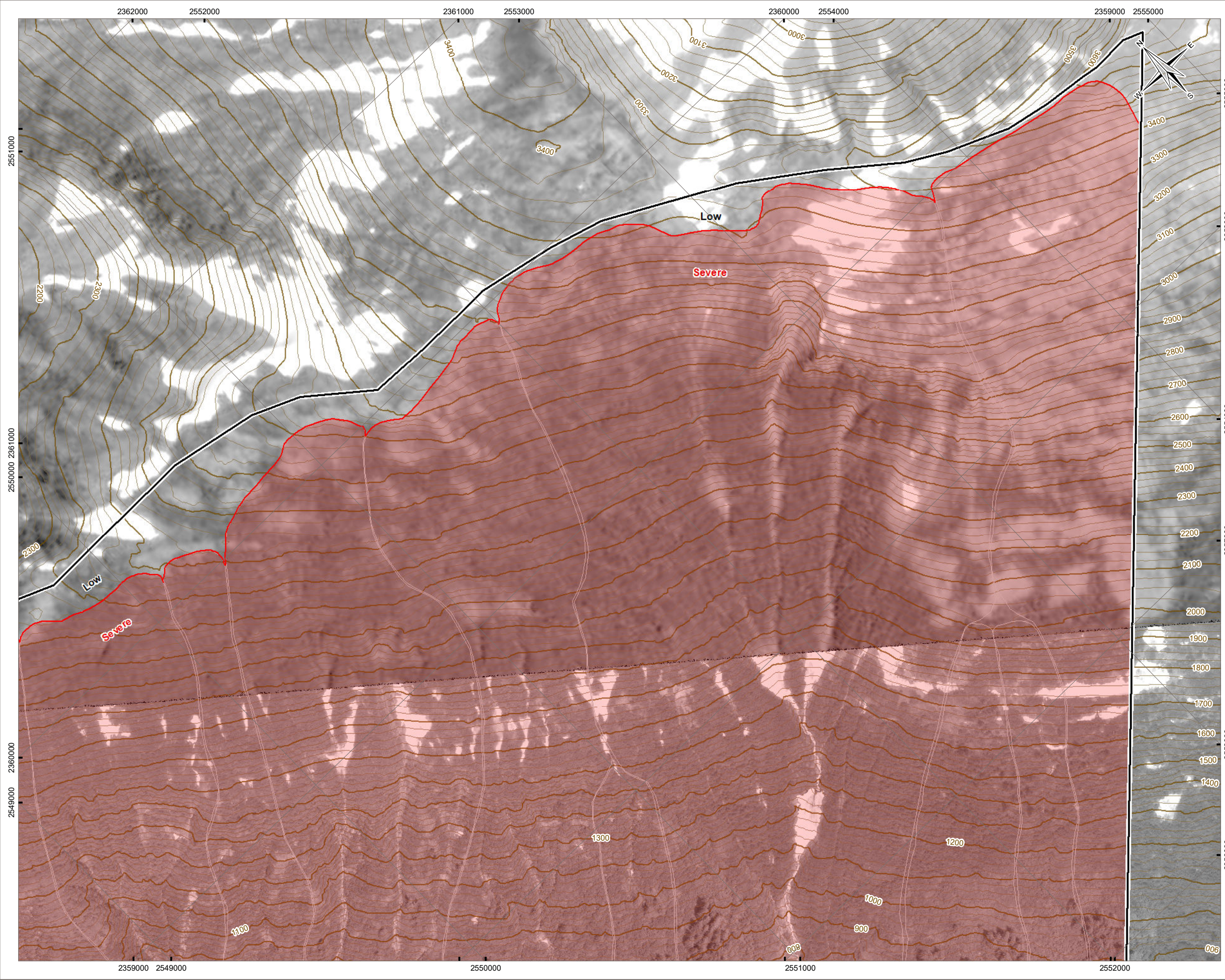
STATUS
ISSUED FOR USE

**JUNEAU LANDSLIDE AND
AVALANCHE ASSESSMENT**

**Avalanche Hazard Designation Mapping
Detail**

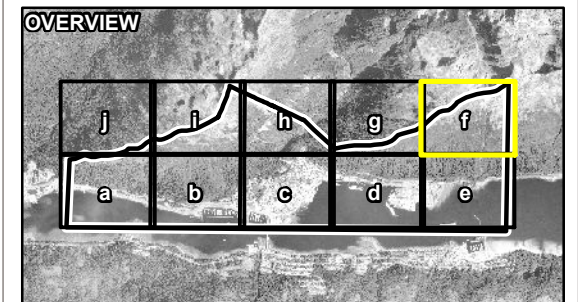
PROJECTION State Plane Alaska Zone 1 5001		DATUM NAD83		CLIENT CITY AND BOROUGH OF JUNEAU ALASKA CAPITAL CITY	
Scale: 1:5,000		300 150 0 300 Feet			
FILE NO. 19-0017-JUN-002		DYNAMIC PLANNING AND DESIGN			
OFFICE DAC-Rev	DWN CA	CKD AJ	APVD AJ	REV 2	Figure 2.4e
DATE April 27, 2022	PROJECT NO. 19-0017-JUN				

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LEGEND

- Location of Interest
- Study Area
- Avalanche Path (estimated 300-year boundary)
- Base Data**
- Index Contour (100 ft)
- Intermediate Contour (25 ft)
- Land Parcel
- AVALANCHE HAZARD DESIGNATION**
- Low**
Return period greater than 300 years
OR
Impact pressures less than 20 lbs/ft² (1 kPa) with a return period greater than 30 years.
- Moderate**
Return period between 30 and 300 years;
AND
Impact pressure less than 600 lbs/ft² (30 kPa).
- Severe**
Return period less than 30 years;
AND/OR
Impact pressure greater than or equal to 600 lbs/ft² (30 kPa).



NOTES
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 Contours generated from 2013 LiDAR provided by CBJ.
 Background contours generated from 2012 LiDAR provided by CBJ.
 Primary imagery provided by CBJ, 2013.
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STATUS
ISSUED FOR USE

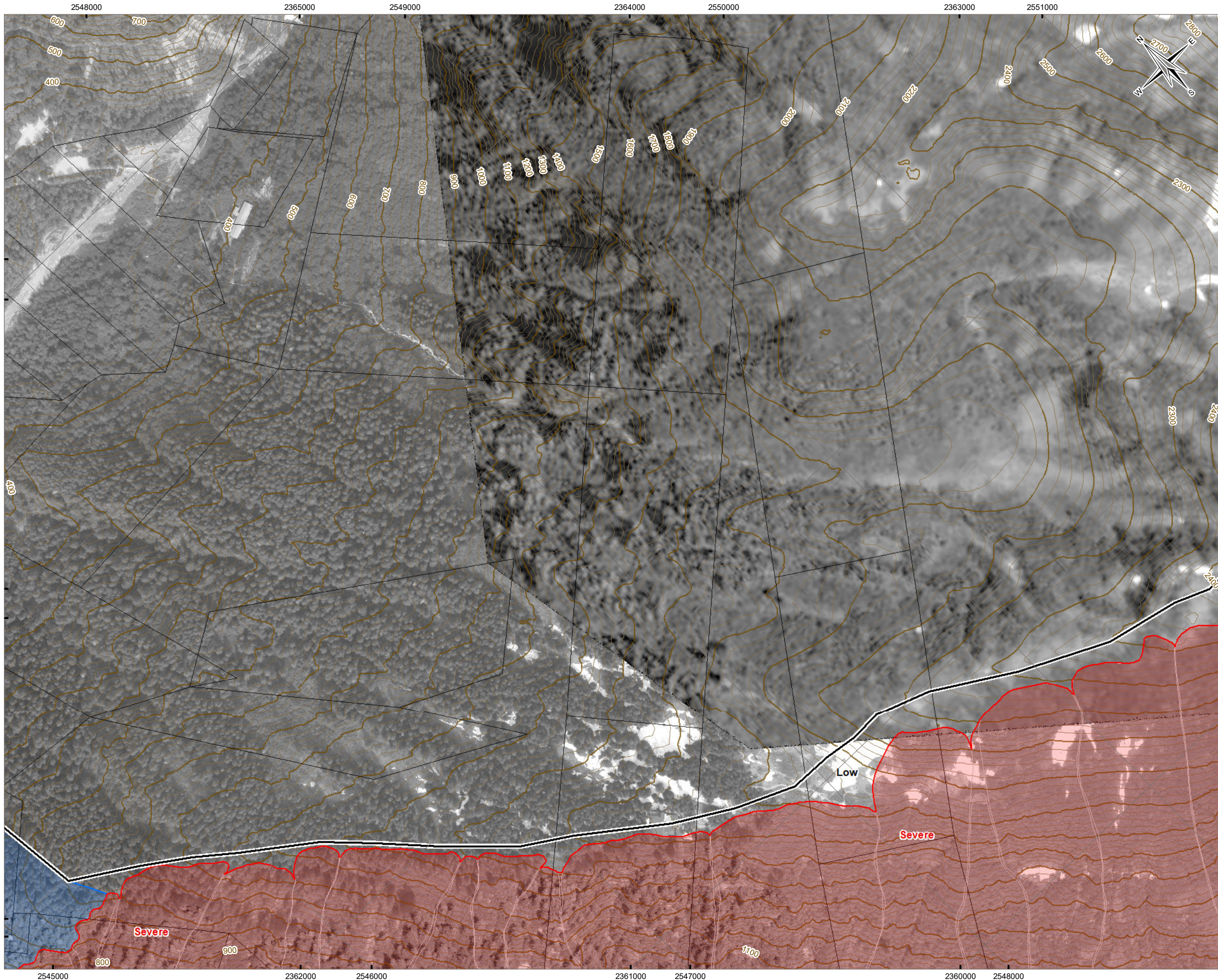
JUNEAU LANDSLIDE AND AVALANCHE ASSESSMENT

Avalanche Hazard Designation Mapping Detail

PROJECTION State Plane Alaska Zone 1 5001	DATUM NAD83	CLIENT CITY AND BOROUGH OF JUNEAU ALASKA CAPITAL CITY
Scale: 1:5,000 300 150 0 300 Feet		DYNAMIC
FILE NO. 19-0017-JUN-002	OFFICE DAC-Rev	DATE April 27, 2022
DWN CA	CKD AJ	APVD AJ
REV 2	PROJECT NO. 19-0017-JUN	

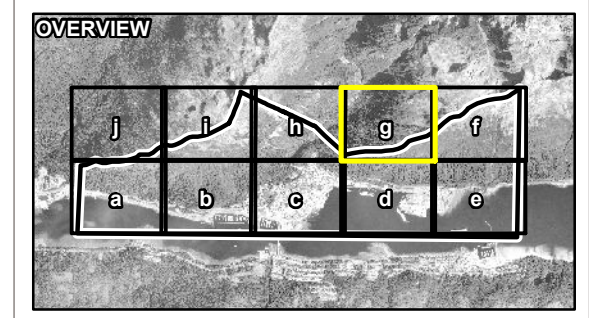
Figure 2.4f

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LEGEND

- Location of Interest
- Study Area
- Avalanche Path (estimated 300-year boundary)
- Base Data**
 - Index Contour (100 ft)
 - Intermediate Contour (25 ft)
 - Land Parcel
- AVALANCHE HAZARD DESIGNATION**
 - Low**
Return period greater than 300 years
OR
Impact pressures less than 20 lbs/ft² (1 kPa) with a return period greater than 30 years.
 - Moderate**
Return period between 30 and 300 years;
AND
Impact pressure less than 600 lbs/ft² (30 kPa).
 - Severe**
Return period less than 30 years;
AND/OR
Impact pressure greater than or equal to 600 lbs/ft² (30 kPa).



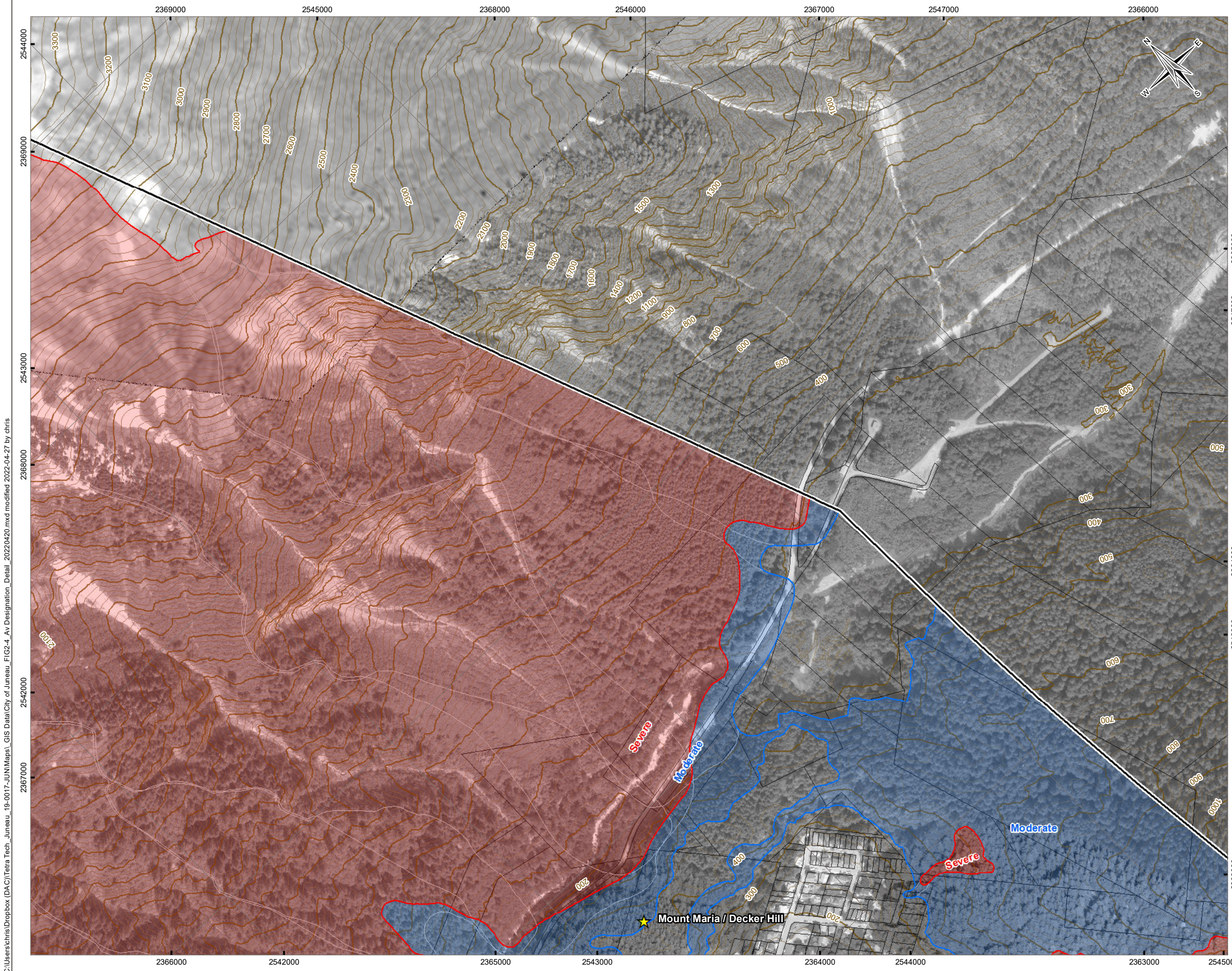
NOTES
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STATUS
 ISSUED FOR USE

JUNEAU LANDSLIDE AND AVALANCHE ASSESSMENT

Avalanche Hazard Designation Mapping Detail

PROJECTION State Plane Alaska Zone 1 5001		DATUM NAD83		CLIENT CITY AND BOROUGH OF JUNEAU ALASKA CAPITAL CITY			
Scale: 1:5,000 300 150 0 300 Feet				Figure 2.4g			
FILE NO. 19-0017-JUN-002		OFFICE DAC-Rev				DWN CA	CKD AJ
DATE April 27, 2022		APVD AJ	REV 2			PROJECT NO. 19-0017-JUN	

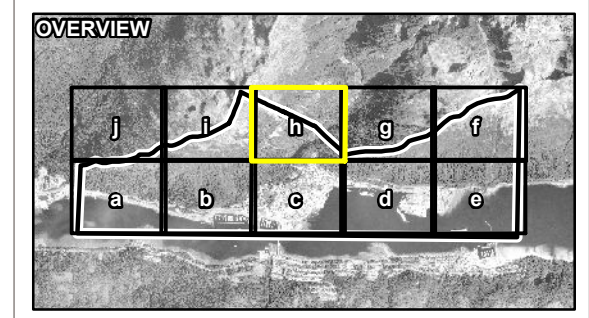


LEGEND

- Location of Interest
- Study Area
- Avalanche Path (estimated 300-year boundary)
- Base Data**
- Index Contour (100 ft)
- Intermediate Contour (25 ft)
- Land Parcel

AVALANCHE HAZARD DESIGNATION

- Low**
Return period greater than 300 years
OR
Impact pressures less than 20 lbs/ft² (1 kPa) with a return period greater than 30 years.
- Moderate**
Return period between 30 and 300 years;
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STATUS
ISSUED FOR USE

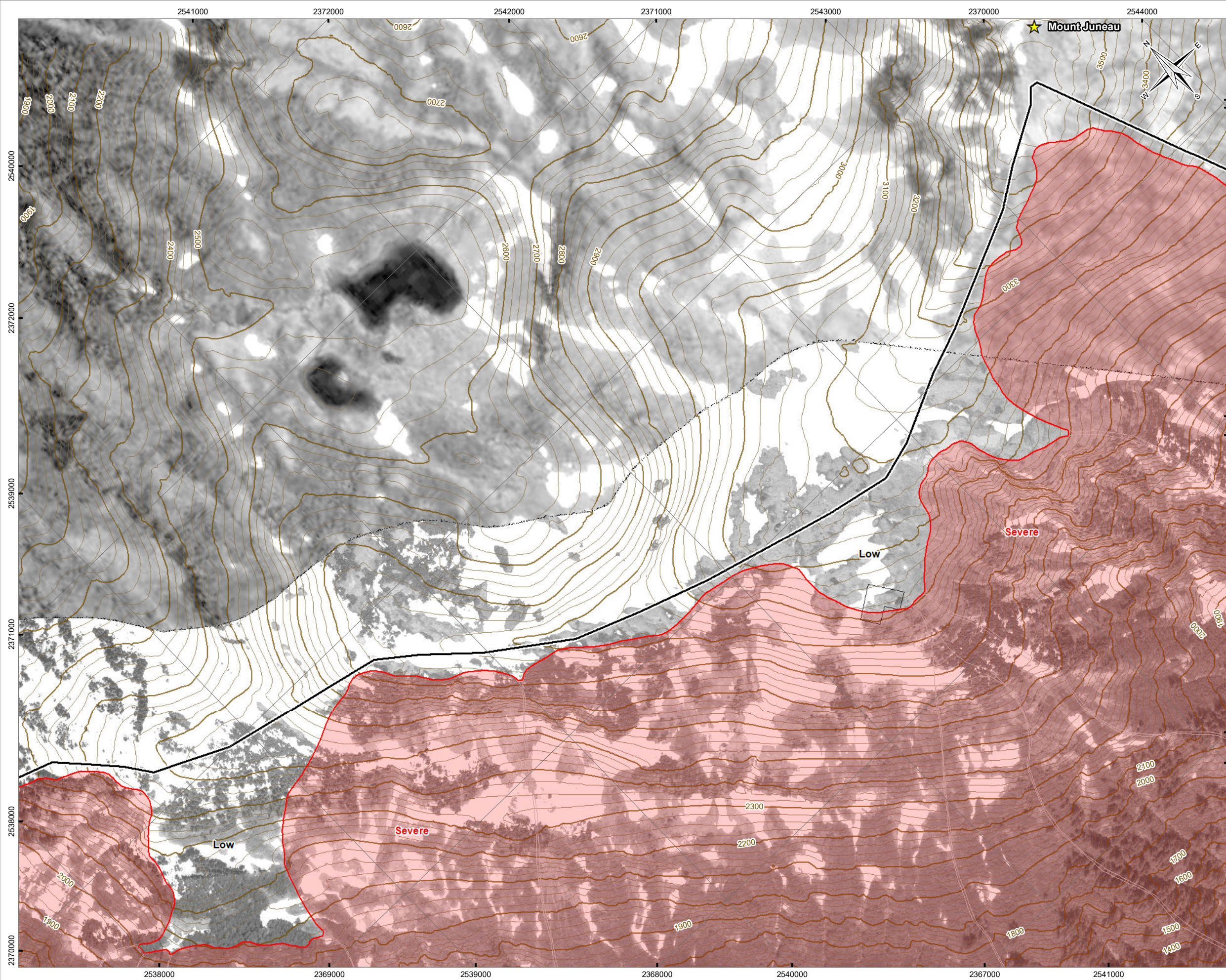
JUNEAU LANDSLIDE AND AVALANCHE ASSESSMENT

Avalanche Hazard Designation Mapping Detail

PROJECTION State Plane Alaska Zone 1 5001	DATUM NAD83	CLIENT CITY AND BOROUGH OF JUNEAU ALASKA CAPITAL CITY
Scale: 1:5,000 300 150 0 300 Feet		DYNAMIC
FILE NO. 19-0017-JUN-002	Figure 2.4h	
OFFICE DAC-Rev	DWN CA	CKD AJ
DATE April 27, 2022	APVD AJ	REV 2
PROJECT NO. 19-0017-JUN		

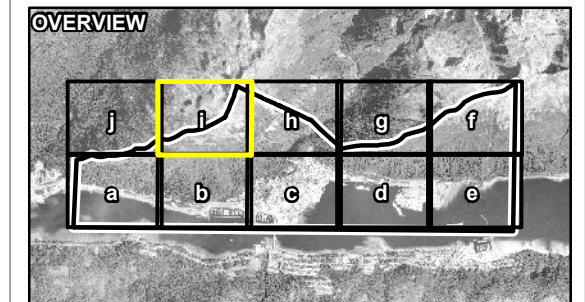
C:\Users\chris\Dropbox (D&C)\Tetra Tech - Juneau - 19-0017-JUN\Maps\CIS Data\City of Juneau - FIG2-4 - Av Designation - Detail - 20220420.mxd modified 2022-04-27 by chris

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LEGEND

- Location of Interest
- Study Area
- Avalanche Path (estimated 300-year boundary)
- Base Data**
 - Index Contour (100 ft)
 - Intermediate Contour (25 ft)
 - Land Parcel
- AVALANCHE HAZARD DESIGNATION**
 - Low**
Return period greater than 300 years
OR
Impact pressures less than 20 lbs/ft² (1 kPa) with a return period greater than 30 years.
 - Moderate**
Return period between 30 and 300 years;
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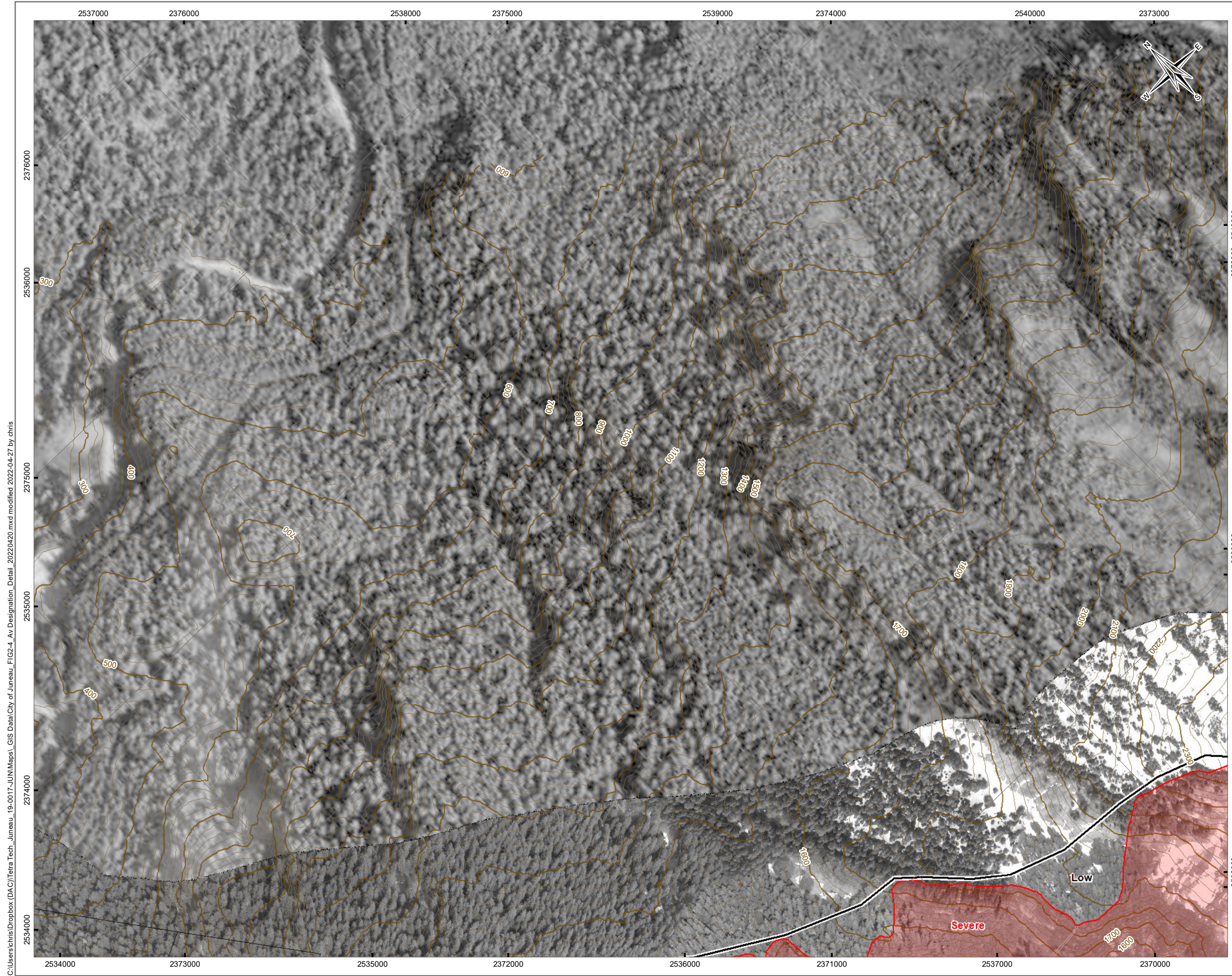
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STATUS
ISSUED FOR USE

JUNEAU LANDSLIDE AND AVALANCHE ASSESSMENT

Avalanche Hazard Designation Mapping Detail

PROJECTION State Plane Alaska Zone 1 5001	DATUM NAD83	CLIENT CITY AND BOROUGH OF JUNEAU ALASKA CAPITAL CITY
Scale: 1:5,000 300 150 0 300 Feet		DYNAMIC
FILE NO. 19-0017-JUN-002	Figure 2.4i	
OFFICE DAC-Rev	DWN CA	CKD AJ
APVD AJ	REV 2	
DATE April 27, 2022	PROJECT NO. 19-0017-JUN	



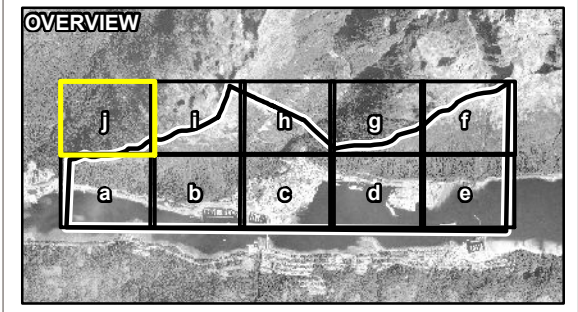
C:\Users\chris\Dropbox (DAC)\Tetra Tech - Juneau - 19-0017-JUNI\Maps - GIS Data\City of Juneau - FIG2-4 - Av Designation - Detail - 20220420.mxd modified 2022-04-27 by chris

LEGEND

- Location of Interest
- Study Area
- Avalanche Path (estimated 300-year boundary)
- Base Data**
- Index Contour (100 ft)
- Intermediate Contour (25 ft)
- Land Parcel

AVALANCHE HAZARD DESIGNATION

- Low**
Return period greater than 300 years
OR
Impact pressures less than 20 lbs/ft² (1 kPa) with a return period greater than 30 years.
- Moderate**
Return period between 30 and 300 years;
AND
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 Background contours generated from 2012 LiDAR provided by CBJ.
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 Background imagery provided by ESRI; Maxar (2020).

STATUS
ISSUED FOR USE

JUNEAU LANDSLIDE AND AVALANCHE ASSESSMENT

Avalanche Hazard Designation Mapping Detail

PROJECTION State Plane Alaska Zone 1 5001	DATUM NAD83	CLIENT CITY AND BOROUGH OF JUNEAU ALASKA CAPITAL CITY
Scale: 1:5,000 		
FILE NO. 19-0017-JUN-002		
OFFICE DAC-Rev	DWN CA	CKD AJ
APVD AJ	REV 2	Figure 2.4j
DATE April 27, 2022	PROJECT NO. 19-0017-JUN	