Natural Resource Report NPS/GLBA/NRR—2023/2605: Fractures, Scarps, Faults, and Landslides Mapped using LiDAR, Glacier Bay National Park and Preserve, Alaska (Plate 1)

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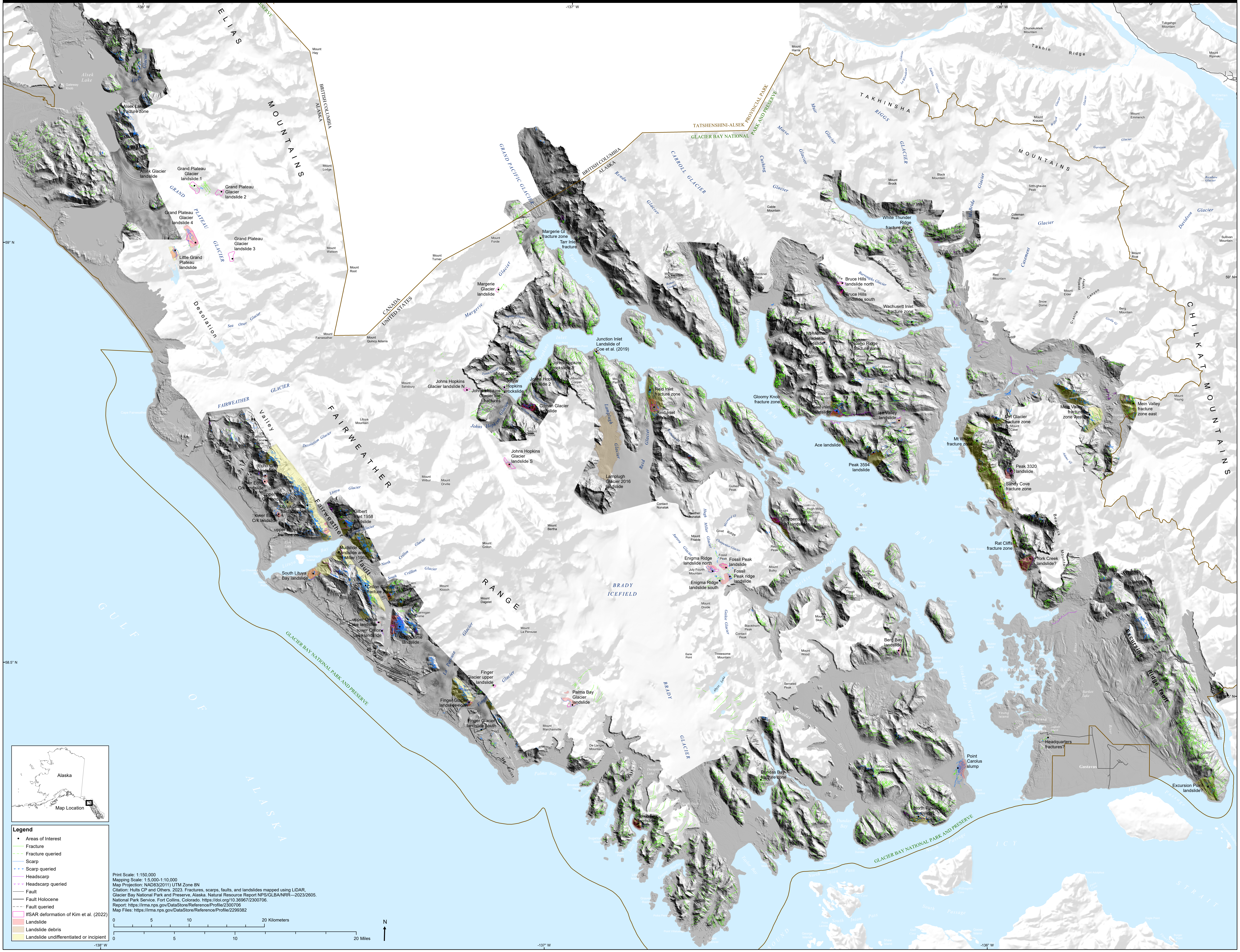
U.S. Department of the Interior
Alaska Region 11


-138° W
-137° W
-136° W
59° N
58.5° N
ELIAS
MOUNTAINS
BRITISH COLUMBIA
ALASKA
CANADA
UNITED STATES
TATSHENSHINI-ALSEK PROVINCIAL PARK
GLACIER BAY NATIONAL PARK AND PRESERVE
Alsek Lake
Alsek Lake fracture zone
Alsek Glacier landslide
Grand Plateau Glacier landslide 1
Grand Plateau Glacier landslide 2
Grand Plateau Glacier landslide 3
Grand Plateau Glacier landslide 4
Little Grand Plateau landslide
GRAND PLATEAU GLACIER
Desolation
FAIRWEATHER GLACIER
Valley
FAIRWEATHER
RANGE
Mount Fairweather
Mount Quincy Adams
upper Echo Crk landslide
lower Echo Crk landslide
upper Eagle Crk landslide
Lituya Glacier fracture zone
lower Eagle Crk landslide
upper Lituya Bay fracture zone
Gilbert Inlet 1958 landslide
Fairweather fault
Mudslide Crk landslide area of Miller (1960)
South Lituya Bay landslide
Crillon Glacier fracture zone
upper Crillon Lake landslide
lower Crillon Lake landslide
North Dome landslide
Finger Glacier upper landslide
Finger Glacier landslide north
Finger Glacier landslide south
Palma Bay Glacier landslide
Johns Hopkins Glacier landslide N
Johns Hopkins shear zone
Johns Hopkins Glacier toe fractures
Johns Hopkins rockslide 1
Johns Hopkins rockslide 2
Johns Hopkins rockslide 3
Gilman Glacier landslide
Johns Hopkins Glacier landslide S
Margerie Glacier landslide
Margerie Gl fracture zone
Tarr Inlet fracture
GRAND PACIFIC GLACIER
CARROLL GLACIER
Junction Inlet Landslide of Coe et al. (2019)
Lamplugh Glacier 2016 landslide
Reid Inlet fracture zone
Reid Inlet landslide
Gloomy Knob fracture zone
Muir Inlet fracture
White Thunder Ridge fracture zone
Bruce Hills landslide north
Bruce Hills landslide south
Wachusett Inlet fracture zone
Mt Merriam Glacier landslide
Idaho Ridge fracture zone
Tidal Inlet landslide
Ice Valley landslide
Ace landslide
Peak 3594 landslide
Dirt Glacier fracture zone
Mt Wright fracture zone
Mein Valley fracture zone west
Mein Valley fracture zone east
Peak 3320 landslide
Sandy Cove fracture zone
Rat Cliffs fracture zone
York Creek landslide?
Charpentier Inlet landslides
Enigma Ridge landslide north
Enigma Ridge landslide south
Fossil Peak landslide
Fossil Peak ridge landslide
BRADY ICEFIELD
BRADY GLACIER
Berg Bay landslide
Dundas Bay fracture zone
Torch Bay landslide?
North Passage landslide?
Point Carolus slump
Headquarters fractures?
Excursion Ridge fault
Excursion Point landslide?
TAKHINSHA
CHILKAT MOUNTAINS
GLACIER BAY
GULF OF ALASKA
Alaska
Map Location
Legend
● Areas of Interest
Fracture
Fracture queried
Scarp
Scarp queried
Headscarp
Headscarp queried
Fault
Fault Holocene
Fault queried
IfSAR deformation of Kim et al. (2022)
Landslide
Landslide debris
Landslide undifferentiated or incipient
0 5 10 20 Kilometers
0 5 10 20 Miles
N

Print Scale: 1:150,000
Mapping Scale: 1:5,000-1:10,000
Map Projection: NAD83(2011) UTM Zone 8N

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Report: https://irma.nps.gov/DataStore/Reference/Profile/2300706
Map Files: https://irma.nps.gov/DataStore/Reference/Profile/2299382