6995000 350000 7000000 355000 7005000 360000 7010000 365000 7015000 370000 7020000 375000 7025000 380000 7030000 385000 7035000

70-km radius

West Fork Chulitna River

Middle Fork Chulitna River

East Fork Chulitna River

Chulitna River

Honolulu Creek

Denali fault

1

2

3a

5

0 1 mi
0 2 km

Lineaments Mapped by FCL (this study)

- 1 - 5
- 10
- 77
- 88

See Table 3.2 for explanation of numbered attributes for mapped lineaments

Denali fault (from Koehler et al., 2012)

- Moderately constrained

Faults from Clautice et al., 2001

- Fault, Certain
- Fault, Inferred
- Thrust fault, Certain

- Lineament group mapped for this study coinciding with previously mapped fault or lineament
- No previously mapped fault or lineament coincides with lineament group
- Area with bedrock offset

Geologic Units

Unconsolidated Deposits

Alluvial Deposits

- Qa Undifferentiated stream alluvium
- Qaa Abandoned-channel deposits
- Qaf Alluvial fan deposits
- Qat Terrace alluvium
- Qfp Floodplain alluvium

Colluvial Deposits

- Qc Undifferentiated colluvium
- Qcs Landslide deposits
- Qrd Talus and rubble deposits
- Qrg Rock-glacier deposits

Paludal Deposits

- Qs Swamp deposits

Glacial Deposits

- Qaa Outwash alluvium
- Qt2 Till of latest Holocene age
- Qt1 Till of early to middle Holocene age
- Qd Drift of late Wisconsin age
- Qg Glacial ice

Sedimentary and Volcanic Rocks

Tertiary Deposits

- Ts Gravel and sand

Cretaceous to Triassic Rocks

- KJas Argillite and minor sandstone
- KJss Sandstone and minor argillite
- KJs Sandstone and argillite

Upper Paleozic Rocks

- PPzs Chert, cherty tuff, graywacke, and argillite

Note: Geologic units from DGGS RI 2001-1B, Clautice, 2001.

Only Quaternary units, and those offset by faults are listed; for a full explanation, see Clautice et al., 2001.

0 1 mi
0 2 km

Original size of plate is 42x42 inches. Scale of 1:60,000 valid only if printed on a 42"x42" size sheet.
Coordinates on NAD83 UTM Zone 6 North meters.
Elevation from IfSAR data.

DATA FRAMES HAVE BEEN ROTATED 45 DEGREES WEST OF NORTH

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ALASKA ENERGY AUTHORITY

SUSITNA-WATANA HYDROELECTRIC PROJECT

Broad Pass Area

Plate A1

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460000 465000 470000 475000 480000 485000 490000 495000 500000 505000 510000 515000

7010000 7005000 7000000 6995000 6990000

Pass Creek

South Fork Pass Creek

Susitna River

Windy Creek

Windy Creek

Susitna Lodge

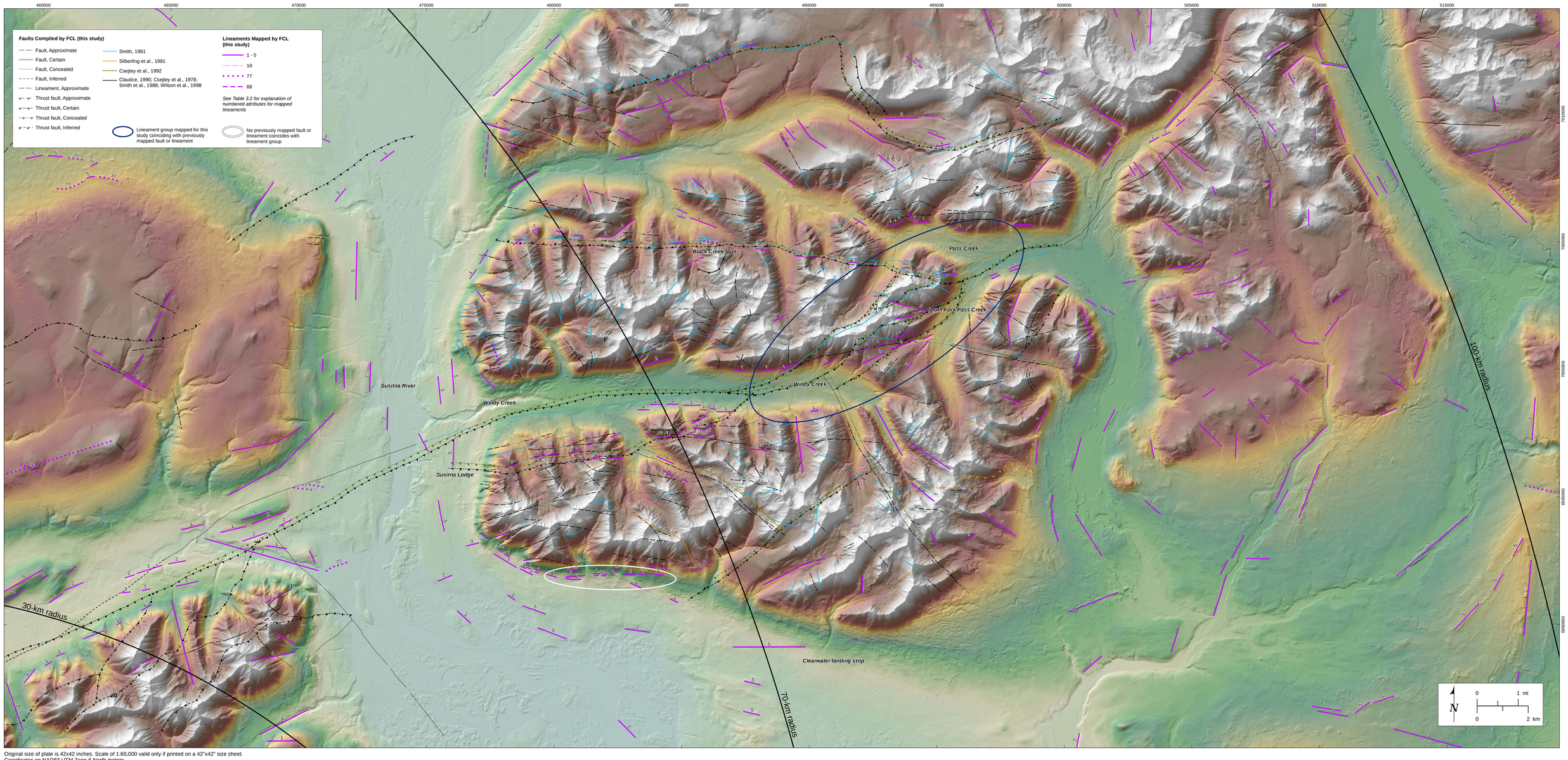
100-km radius

30-km radius

70-km radius

Clearwater landing strip

N 0 1 mi 0 2 km



Original size of plate is 42x42 inches. Scale of 1:60,000 valid only if printed on a 42"x42" size sheet.
Coordinates on NAD83 UTM Zone 6 North meters.
Elevation from IfSAR data.

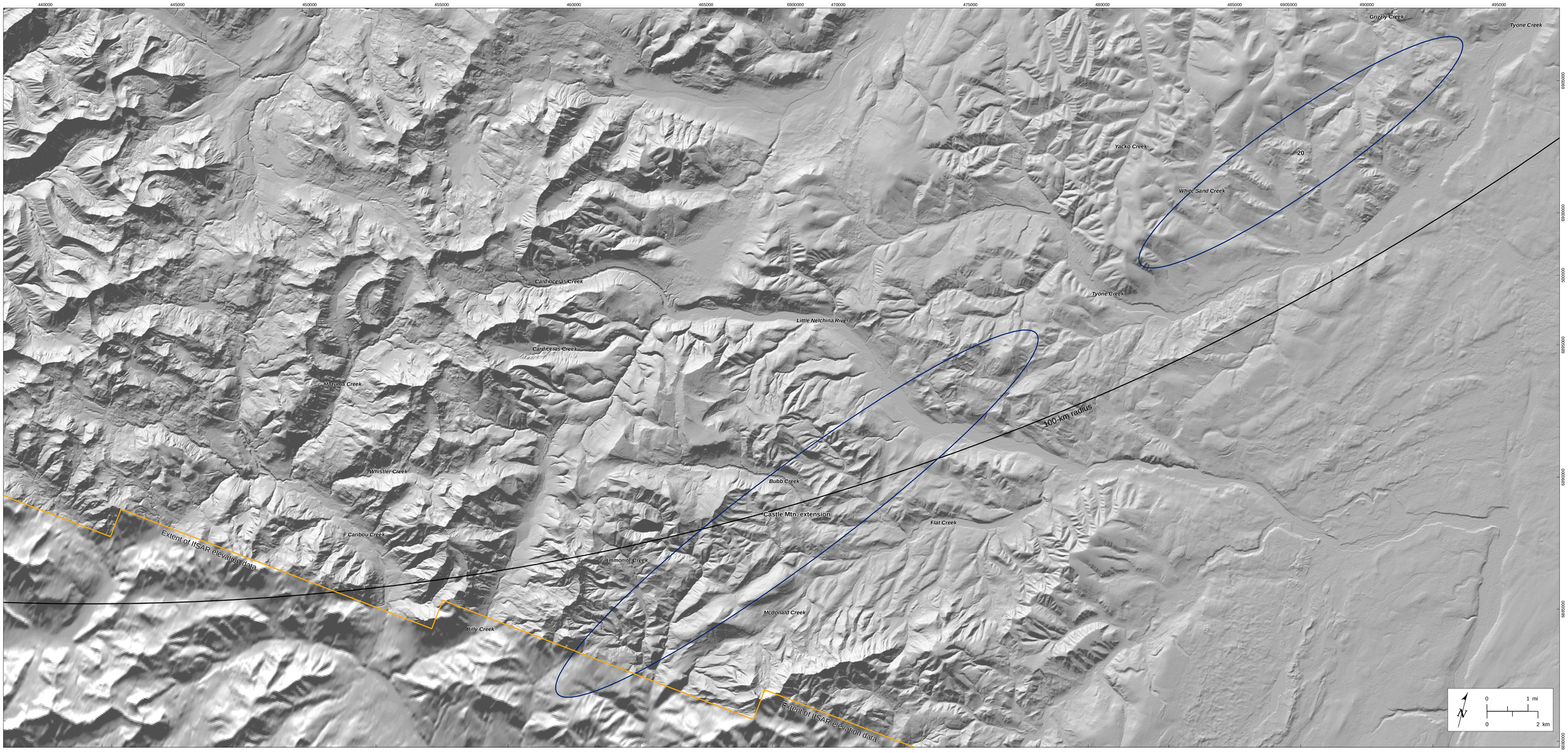
STATE OF ALASKA
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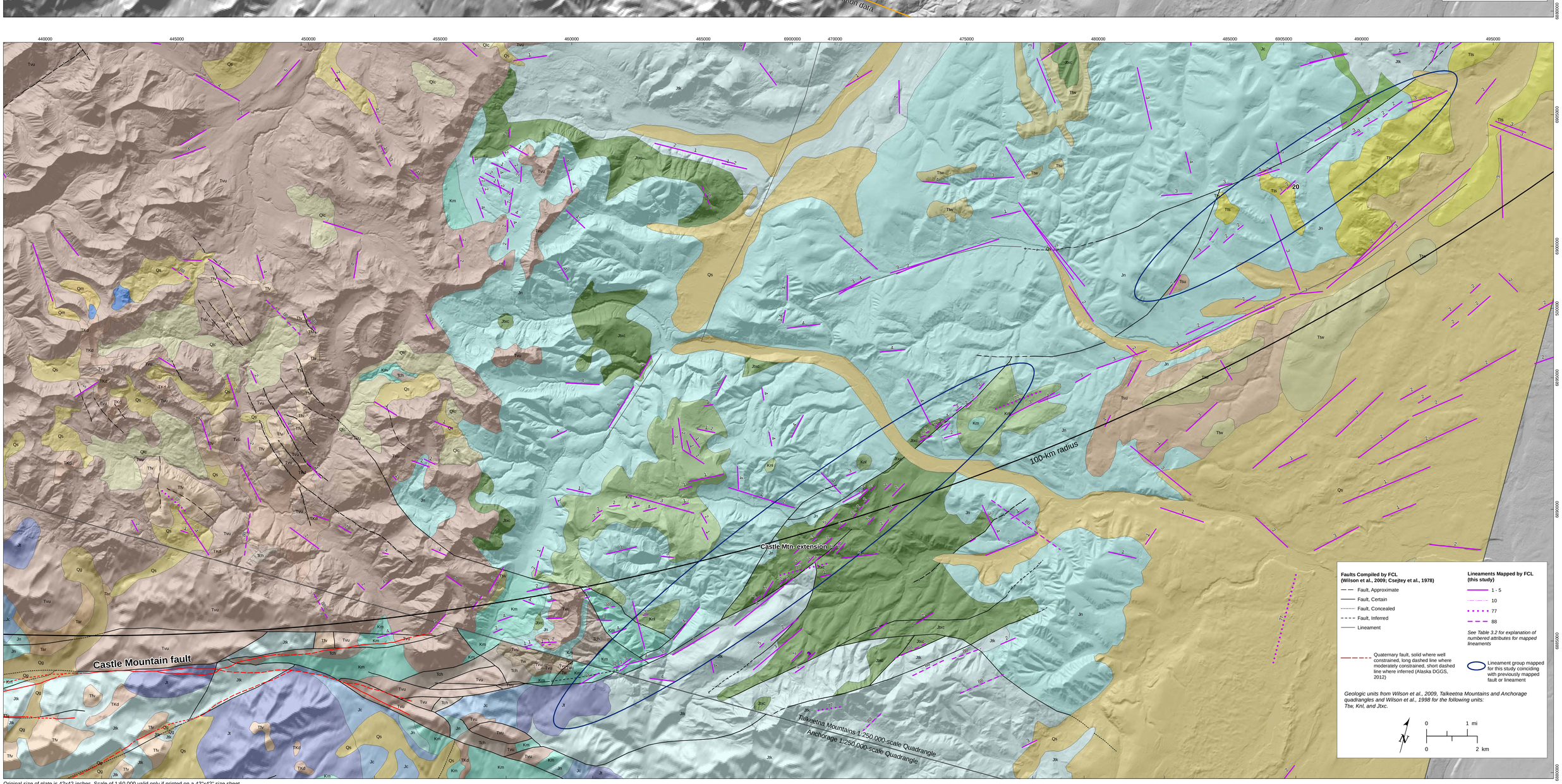
SUSITNA-WATANA HYDROELECTRIC PROJECT

Clearwater Mountains Area

Plate A2

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Original size of plate is 42x42 inches. Scale of 1:60,000 valid only if printed on a 42"x42" size sheet.
Coordinates on NAD83 UTM Zone 6 North meters.
Elevation from IfSAR data and USGS SRTM data.

DATA FRAMES HAVE BEEN ROTATED 15 DEGREES WEST OF NORTH

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SUSITNA-WATANA HYDROELECTRIC PROJECT

Castle Mountain Extension Area

Plate A3

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