

Earthquake Report: 2018.08.12

M 6.4 Alaska

USGS Quaternary Fault and Fold Database

Historic

Holocene / Latest Pleistocene

Late Quaternary

Mid-Late Quaternary

Quaternary

USGS

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USGS Google Earth

Depth to Slab (km)

0 50 100 150 200 250 300 350 400 450 500 550 600 650 700

Magnitude

8
7
6
5
4
3
2
1

Depth (km)

0 - 33
33 - 70
70 - 150
150 - 300
300 - 500
500 - 800

Plate Boundaries

Divergent

Transform

Convergent

Other

Plate Motion

Normal Fault

Thrust Fault

Strike-Slip Fault

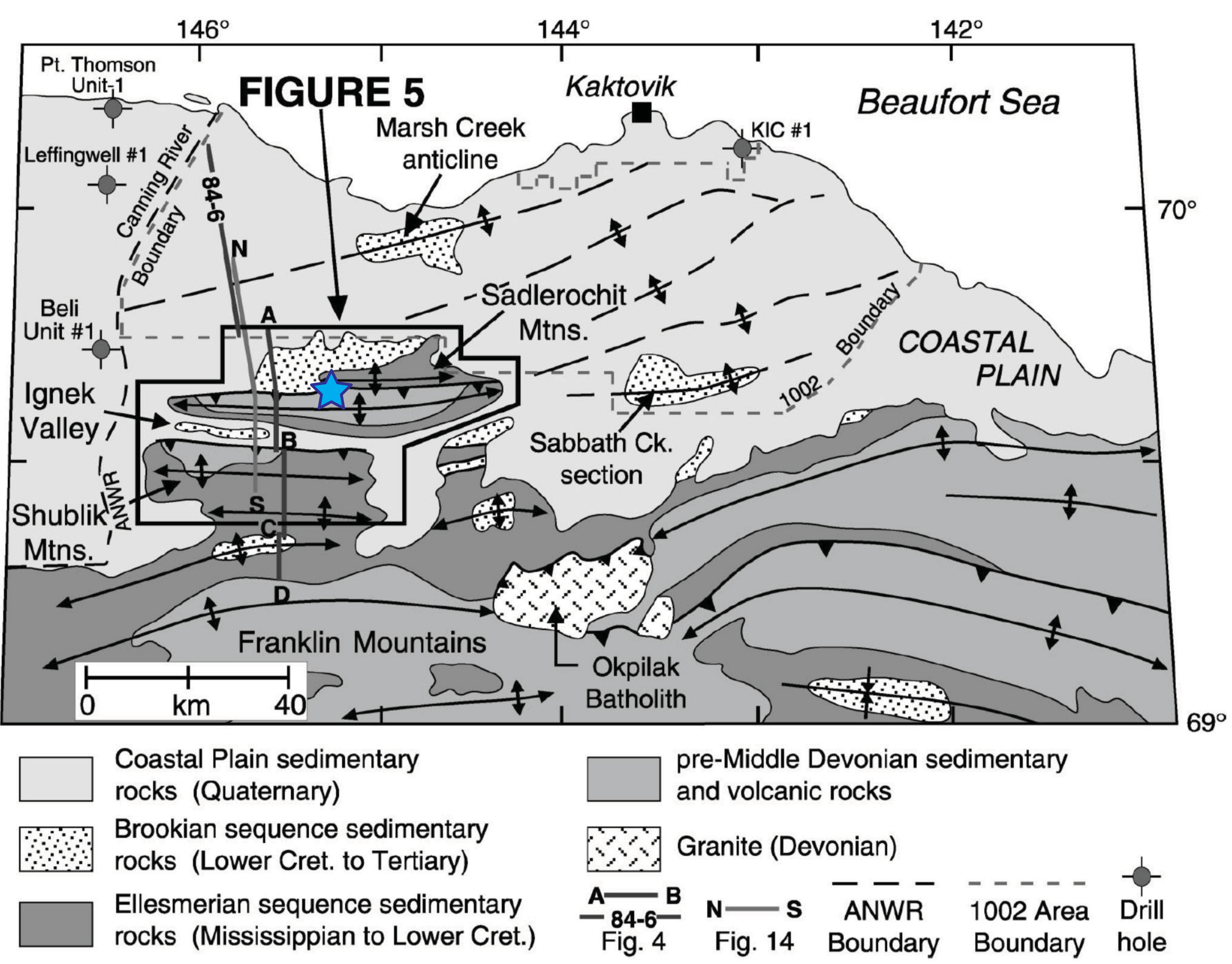
Top View

Side View

Side View

INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+
Shaking	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
Damage	None	None	None	Very slight	Light	Moderate	Moderate/heavy	Heavy	Very heavy
Peak Acc	<0.17	0.17-1.4	1.4-3.9	3.9-9.2	9.2-18	18-34	34-65	65-124	>124
Peak Vel	<0.1	0.1-1.1	1.1-3.4	3.4-8.1	8.1-16	16-31	31-60	60-116	>116

Peak Acc = Peak ground acceleration (g), Peak Vel = Peak ground velocity (cm/s)



O'Sullivan et al., 2002

O'Sullivan et al., 2002

