123°30’ 123° 122°30’ 122° 121°30’

49° 48°30’ 48° 47°30’

U.S.A.
CANADA
BRITISH COLUMBIA
SAN JUAN
BELLINGHAM
WHATCOM
SKAGIT
VICTORIA
ISLAND
SNOHOMISH
EVERETT
CLALLAM
JEFFERSON
Area of Inset Map 12
KITSAP
SEATTLE
MASON
KING
TACOMA
OLYMPIA
PIERCE
THURSTON

38.8
23.0
10.4
2.9
-2.6
-6.6
-9.9
-13.3
-16.7
-19.7
-22.8
-26.4
-30.9
-37.1
-45.6
Isostatic Residual Gravity (mGal)
Finn and others, 1991

EXPLANATION

- Locations of sharp gravity contrasts, estimated from gravity anomalies
- Station location
- LiDAR-identified fault scarps
- Paleoseismic trench

Earthquakes 1970-present, Pacific Northwest Seismic Network (PNSN)

Depth 0-35 km

Magnitude 5.0 4.0 3.0

20 Miles
20 Km
1:600,000

MAP 11: ISOSTATIC RESIDUAL GRAVITY ANOMALIES IN PUGET LOWLAND