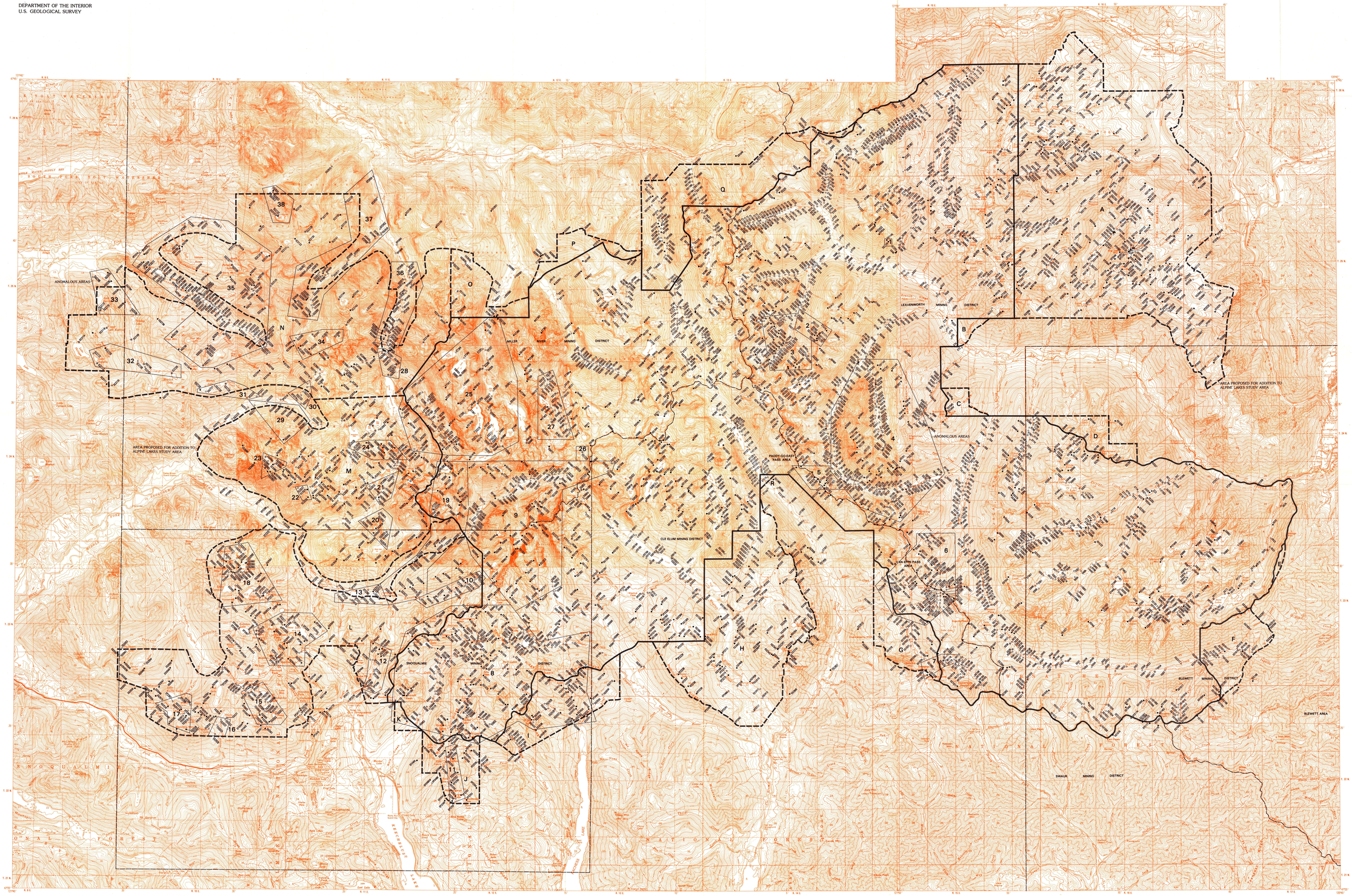

EXPLANATION

Letters following sample number appear in tables and not on map. Underlined sample numbers appear on map and in tables. An asterisk is for samples which were collected from the northeast part of the area. These letter suffixes are shown and indicate a sample site distinct from that indicated by number only. Where two workers collected from the same site, two letter and number designations are shown.

Stream-sediment sample—Underlined if anomalous

Rock sample—Underlined if anomalous

Stream-sediment sample and rock sample from same location—Underlined if either one anomalous

Panned-concentrate sample—Underlined if anomalous. Samples collected from Gold Creek, Ingalls Creek, Jack Creek, Meadow Creek, Mineral Creek, Middle Fork Snoqualmie River, and West Fork Miller River

Panned-concentrate sample and stream-sediment sample from same location; collected from Jack Creek

Soil sample—Underlined if anomalous. Samples collected from Van Epps Pass area (anomalous area 6) and Leland Creek area (anomalous area 3)

Soil sample and rock sample from same location—Underlined if either one anomalous

ANOMALOUS AREAS

1. Bulls Tooth
2. French Ridge
3. Leland Creek
4. The Cradle
5. Paddy-Go-Easy Pass
6. Van Epps Pass
7. Esmeralda Peaks
8. Gold Creek–Delaney Creek–Mineral Creek
9. Lennox Creek–Middle Fork Snoqualmie River–Crawford Creek
10. Burnthoot Creek
11. Lake Lillian
12. Red Mountain
13. Thunder Creek
14. Melakwa Pass
15. Tuscoramitche Lake
16. Talapus Lake
17. Lake Kulla Kulla
18. Derrick Lake
19. Middle Fork Snoqualmie River–Hardscrabble Creek
20. Hester Lake
21. Dingford Creek
22. Green Ridge Lake
23. Garfield Mountain Lakes
24. Snoqualmie Lakes Potholes
25. Lake Dorthy South–Camp Robber Creek–Foss River
26. Chain Lakes
27. Necklace Valley
28. Lake Dorothy North
29. Taylor River
30. Big Creek
31. Martes Lake
32. Lake Isabella
33. Sunday Creek
34. Gouging Lake
35. Lennox Creek
36. East Fork Miller River
37. West Fork Miller River
38. Goat Creek

AREA PROPOSED FOR ADDITION TO ALPINE LAKES STUDY AREA

A. Chiwaukum Mountains
B. Icicle Creek
C. Blackjack Ridge
D. Cashmere Mountain
E. Wedge Mountain
F. Ingalls Creek
G. South Fork Fortune Creek
H. Goat Mountain–Poledie Ridge
I. Mineral Creek
J. Lake Lillian
K. Kendall Peak
L. South and Middle Forks Snoqualmie River
M. Middle Fork Snoqualmie River–Taylor River
N. Lennox Creek–Miller River
O. Foss River
P. Burn Creek
Q. Deception Creek–Tunnel Creek
R. Cle Elum River

Approximate boundary of original Alpine Lakes study area

Approximate boundary of additions to Alpine Lakes study area

Mining district boundary

Base from U.S. Geological Survey
Sandere and Mount D 1:62,500, 1980; Kachess Lake, Liberty, Mount Stuart and Snoqualmie Pass 1:62,500, 1961; Leavenworth 1:62,500, 1984; Chiwaukum Mountains and Wenatchee Lake 1:62,500, 1965; Big Snow Mountain, Grotto, Mount Daniel, Scenic, Snoqualmie Lake, Steven Pass, and The Cradle 1:24,000, 1985.

APPROXIMATE MEAN DECLINATION, 1986

SCALE 1:62 500

CONTOUR INTERVAL 40 AND 80 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

WASHINGTON
MAP LOCATION

Geochemical sampling and compilation by J. L. Gualtieri and E. C. Simmons, 1971–1973, and F. M. Ceraz, 1973, assisted by F. M. Krauchanner and R. J. Tucker, 1971 and R. C. Perron, 1973

MAP SHOWING SAMPLE LOCALITIES, ANOMALOUS AREAS, MINING DISTRICTS, AND ADDITIONS TO THE ALPINE LAKES STUDY AREA, CHELAN, KING, KITTITAS COUNTIES, WASHINGTON