DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN-FILE REPORT 84-0499
PLATE 3 OF 4

X 190 000 20 21 22 23 24 25 26 27 28 29 30 31 X 320 000

Y 380 000

Y 290 000

EXPLANATION
(Composite for plates 1, 2, 3, and 4)
Type of sample

- Rock
- Stream sediment
- Rock and stream sediment
- Soil
- Rock and soil
- Panned concentrate
- Water

Arbitrary 10,000-foot grid has origin at:
X 230,000 at longitude 116°45' W.,
Y 290,000 at latitude 45°30' N.

INDEX MAP

Samples collected by George C. Simmons, J. L. Coulthard, N. J. Waldrop, D. M. Pinckney, J. C. Ashleman, R. J. Gotken, D. E. Balcer, J. J. Spagnolo, J. G. Viets, R. J. Stein, Burt Goss, and K. R. Perez, 1976-78, 1979.

Base from U.S. Geological Survey quadrangles: Imnaha, OR, and Kernan Point, OR-ID, 1:62,500, 1954; and from Grave Point and Kirkwood Creek, ID-OR, 1:24,000, 1963.

SCALE 1:48 000

1 ½ 0 1 2 3 MILES
1 .5 0 1 2 3 KILOMETERS

GEOCHEMICAL SAMPLE LOCALITY OF THE NORTH-CENTRAL PART OF THE HELLS CANYON STUDY AREA

WALLOWA COUNTY, OREGON, AND IDAHO AND ADAMS COUNTIES, IDAHO

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.