

EXPLANATION

Values of gold (X100) expressed in parts per million after the data were treated as follows: The data were gridded to a rectangular coordinate system with mesh points 1,000 feet apart. The original data points were transposed to grid coordinates or mesh points by drawing a circle of radius 500 feet around each mesh point, and shifting the coordinates of data points within each circle to the coordinates of the mesh point. Accompanying the shift of coordinates each point was weighted according to its distance from the mesh point; as a result, closely spaced data points had more influence than outlying data points on the final value used at the mesh point. After data points were weighted and projected to a mesh point, the multiplicity of values created at the mesh points was removed by averaging.

At least one data point within the search area about the mesh point has a value less than the lower limit of determination for the analytical method ($L = 0.02$ ppm).

Contours defining areas where samples contain 0.02 or greater parts per million of gold.

Data computation and program by Jack B. Fife
Data reduction by Theodore M. Billings

Concentration of gold was determined by atomic absorption.
Determinations were made by John R. Watterson, Donald P. Murley, and Richard M. O'Leary.

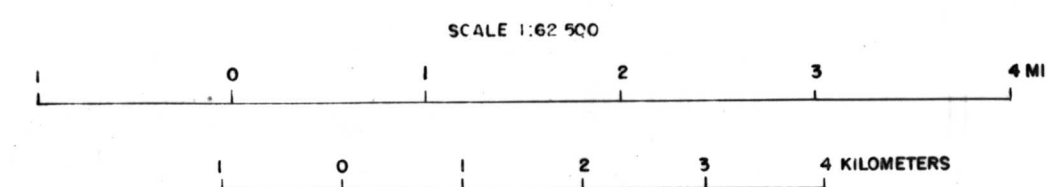
EXPLANATION

Recent	Qal	QUATERNARY	Striped Peak Formation	
	Alluvial deposits			
	Glacial and glaciofluvial deposits			
	Channel and terrace gravels			
Pleistocene	Qtag	QUATERNARY	St. Regis Formation	
	Monzonitic and associated rocks			
TERTIARY	PRECAMBRIAN (?)	Belt Series	PRECAMBRIAN	
				Rever and Burke Formations
				Rever Formation
				Quinn Formation
PRECAMBRIAN (?)	PRECAMBRIAN	PRECAMBRIAN	Precursors Formation	
				Diabase sill

Base from U.S. Geological Survey: Kingston, Kellogg, Burke, St. Joe, Calder, Wallace, 1957; Cooper Gulch, Saltse, 1956

Contact
Dashed where approximately located

Fault
Dashed where approximately located, dotted where concealed



Geology west of 115°42'30" from S. W. Hobbs and others (1965); geology east of 115°42'30" from R. E. Wallace and J. W. Hosterman (1956)

116 18 0 116 17 0 116 16 0 116 15 0 116 14 0 116 13 0 116 12 0 116 11 0 116 10 0 116 9 0 116 8 0 116 7 0 116 6 0 116 5 0 116 4 0 116 3 0 116 2 0 116 1 0 116 0 0 115 59 0 115 58 0 115 57 0 115 56 0 115 55 0 115 54 0 115 53 0 115 52 0 115 51 0 115 50 0 115 49 0 115 48 0 115 47 0 115 46 0 115 45 0 115 44 0 115 43 0 115 42 0 115 41 0 115 40 0 115 39 0 115 38 0 115 37 0 115 36 0 115 35 0 115 34 0 115 33 0 115 32 0 115 31 0 115 30 0

Geochemical distribution of selected metals in rocks, Coeur d'Alene district, Idaho
By Gerland B. Gott and John B. Cathrall
1974

MAP 7 Distribution of Gold (X100) in rocks of the Coeur d'Alene district, Idaho

OPEN-FILE REPORT
This map is preliminary and has not been edited or reviewed for conformity with Geological Survey standards or nomenclature.

Finished 04/17/74 - corrected 0/23/74