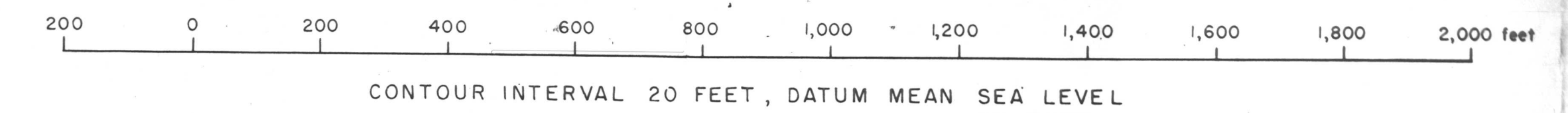


GEOLOGIC MAP OF THE BENBOW MINE AREA, STILLWATER COUNTY, MONTANA



CONTOUR INTERVAL 20 FEET, DATUM MEAN SEA LEVEL

EXPLANATION

	Alluvium		Vertical shaft
	Landslide		Portal of tunnel or edit
	Moraine		Trench (D-6 Bureau of Mines designation)
	Cambrian limestone, conglomerate and shale		Power line
	Mafic dikes and sills		Road-Bulldozer roads dashed, approximately located
	Granite		Trail
	Banded zone		Color and horizontal projection of diamond drill hole (Drilled under the supervision of the Bureau of Mines) showing elevation and horizontal projection of particular chrome layer intersected
	Basic pegmatite		Triangulation station, designated by name
	Palaeozoic hornfelsite (where feldspathic-fsp)		Topographic base in part by plane table methods and in part from enlargement of map made by stereographic methods from aerophotos taken in 1941. Part of base method used in area covered by clouds and adjacent to cross sections
	Granular hornfelsite (where olivine-rich, ogh)		Topography and geology by J.W. Peoples and A.L. Howland, assisted in 1939 by R.K. Doren, J.C. Bogert, W.H. Jones, in 1940 by W.H. Jones, C.T. Smith, C. Brander, in 1942 by G.E. Frier, M. Shastley, in 1943 by R.M. Goreski, and in 1949 by W.H. Jones, R.P. Briggs. Revised 1952-1953 by E.D. Jackson, A.L. Howland and R.W. Vail
	Basaltic (feldspathic-fsp, olivine-rich, oob)		Triangulation by G.C. Cox - 1942
	Serpentine		This map is preliminary and has not been edited or reviewed for conformity with U.S. Geological Survey standards and nomenclature
	Chromite layers (dashed where inferred)		
	Basal zone - norite (gnbrn)		
	Basement complex - meta-sedimentary rocks		

