



BRITISH COLUMBIA DEPARTMENT OF MINES AND PETROLEUM RESOURCES
 PRELIMINARY MAP No. 8
**GEOLOGICAL COMPILATION MAP OF THE STEWART, ANYOX,
 ALICE ARM, AND TERRACE AREAS**
 Scale 1:250,000
 COMPILED BY N.C. CARTER AND E.W. GROVE

BASE MAP COMPILED FROM PARTS OF NATIONAL TOPOGRAPHIC SERIES SHEETS 102 AND 103P DRAINAGE, ROADS, AND TOPOGRAPHY ARE NOT COMPLETE

LEGEND

SEDIMENTARY AND VOLCANIC ROCKS		INTRUSIVE ROCKS	
QUATERNARY		TERTIARY	
14	ALLUVIAL SAND, GRAVEL, SILT	1	GLIOSENE AND YOUNGER (?)
13	SANDY FLODS, CHIEF CONES, ETC.	2	LAMPROPHIRE, BASALT AND ANDESITE DYKE SWARMS (ORIENTATION OF PATTERNS INDICATES DYKE TRENDS)
PLIOGENE AND OLDER (?)		3	LOOSE
12	PLATEAU BASALT, ETC.	4	PORTLAND CANAL DYKE SWARM - GRAVEL, QUARTZ MONOCRYSTALLINE GRANODIORITE SUBVOLCANIC TO DIORITIC
JURASSIC AND CRETACEOUS		5	ALICE ARM INTRUSIONS - QUARTZ MONOCRYSTALLINE GRANITE, QUARTZ FELSIC PORPHYRY, QUARTZ DIOGENITE, FLUIDS AND DYKES
UPPER JURASSIC-LOWER CRETACEOUS		TERTIARY AND OLDER (?)	
11	SILTSTONE, GREYWACKE, SANDSTONE, CONGLOMERATE, MIRROR LIMESTONE, AND COAL	3	COAST PLUTONIC COMPLEX: GRANITIC, HOLOCRYSTALLINE, QUARTZ MONOCRYSTALLINE, QUARTZ FELSIC PORPHYRY, QUARTZ DIOGENITE, FLUIDS AND DYKES
JURASSIC		CRETACEOUS (?) AND/OR TERTIARY	
10	CARCINATE, WEPICITE, AND LIGHT METAMORPHIC EQUIVALENTS OF MIDDLE-LOWER JURASSIC ROCKS - MICROSCHIST, FELSIC, GNEISS, AND PURE FELSICITES AND ANOXID ULTRAMAFICITES, AND GNEISS, GNEISS AND GNEISS	2	AUGITE DIORITE, HORNBLende GRANODIORITE
MIDDLE AND UPPER JURASSIC		JURASSIC AND CRETACEOUS (?)	
9	SILTSTONE, GREYWACKE, SANDSTONE, CONGLOMERATE, MIRROR LIMESTONE	1	FELSIC PORPHYRY, AUGITE PORPHYRY, HORNBLende DIORITE
MIDDLE JURASSIC		SYMBOLS	
8	GREEN, RED, PURPLE VOLCANIC TUFF AND BECCA, FLOW LAVA, VOLCANIC SANDSTONE AND CONGLOMERATE, MIRROR FLODS		Geological boundary, defined, approximate
LOWER JURASSIC			Mining (inclined, vertical)
7	GREEN, RED, AND PURPLE VOLCANIC BECCA, CONGLOMERATE AND SANDSTONE, GREYWACKE, ARGILLITE, CLASTIC AND SLICY TUFF, TUFF, TUFFSTONE, LIMESTONE, ANDRESITE AND BASALTIC FLOW LAVA, HORNBLende DIORITE AND GNEISS, GNEISS, HORNBLende GNEISS, AND GNEISS		Cleavage, schistosity, gneissosity (inclined, vertical)
TRASSIC AND OLDER			Lineation (inclined)
6	MAFIC VOLCANIC ROCKS, LIMESTONE, MIRROR DIORITE, VOLCANIC SANDSTONE, AND COAL, IN AND NEAR VOLCANIC ROCKS BY FELSIC, TUFF, CLASTIC, SILTIC, AND SILTIC SILT		Anticline - horizontal axis, plunging, overturned
5	GNEISS COMPLEX, ALUMINUM-AMPHIBOLITE FACIES GNEISS AND RELATED METAMORPHIC ROCKS, GRANODIORITE TO GNEISS, QUARTZ MONOCRYSTALLINE, QUARTZ FELSIC PORPHYRY, QUARTZ DIOGENITE, FLUIDS AND DYKES		Syncline - horizontal axis, plunging, overturned
			Fault
			Highway
			Secondary road
			Glacier

MINERAL DEPOSITS AND PROJECTS
 FOR LOCATIONS OF ECONOMIC MINERAL OCCURRENCES WITHIN THE BOUNDARIES OF THE MAP AREA, REFER TO BRITISH COLUMBIA DEPARTMENT OF MINES AND PETROLEUM RESOURCES PRELIMINARY MINERAL INVENTORY MAPS 100 (M) AND 100P (M)

SOURCES OF INFORMATION

CARTER, N.C. (1964-1970): ALICE ARM - TERRACE AREA - MINERALS OF MINES AND PETROLEUM RESOURCES, BRITISH COLUMBIA, TECHNICAL REPORT, 1964, pp. 24-30, 1965, pp. 31-38, 1966, pp. 39-43, 1967, pp. 44-51, 1968, pp. 52-59, 1969, pp. 60-67, 1970, pp. 68-75, 1971, pp. 76-83, 1972, pp. 84-91, 1973, pp. 92-99, 1974, pp. 100-107, 1975, pp. 108-115, 1976, pp. 116-123, 1977, pp. 124-131, 1978, pp. 132-139, 1979, pp. 140-147, 1980, pp. 148-155, 1981, pp. 156-163, 1982, pp. 164-171, 1983, pp. 172-179, 1984, pp. 180-187, 1985, pp. 188-195, 1986, pp. 196-203, 1987, pp. 204-211, 1988, pp. 212-219, 1989, pp. 220-227, 1990, pp. 228-235, 1991, pp. 236-243, 1992, pp. 244-251, 1993, pp. 252-259, 1994, pp. 260-267, 1995, pp. 268-275, 1996, pp. 276-283, 1997, pp. 284-291, 1998, pp. 292-299, 1999, pp. 300-307, 2000, pp. 308-315, 2001, pp. 316-323, 2002, pp. 324-331, 2003, pp. 332-339, 2004, pp. 340-347, 2005, pp. 348-355, 2006, pp. 356-363, 2007, pp. 364-371, 2008, pp. 372-379, 2009, pp. 380-387, 2010, pp. 388-395, 2011, 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