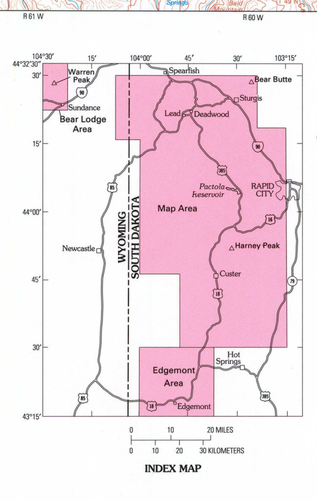
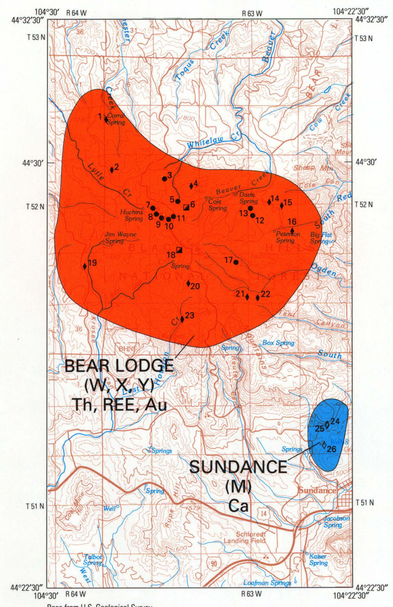
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

MISCELLANEOUS INVESTIGATIONS SERIES
MAP I-2445
Pamphlet accompanies map

HUNGRY HOLLOW (M) Ca
WHITEWOOD CREEK (Q) Au
TINTON (F, E) Sn, feldspar
SPEARFISH CREEK (Q) Au
CARBONATE (T) Pb, Ag, Zn
RICHMOND HILL (V) AU
MAITLAND (T) Au, Ag
IRON DIKE (K, C) Fe, S, C
STURGIS (M) Ca
BEAR GULCH (Q) Au, Sn
TERRAVILLE (L, T) Au
SPRUCE CREEK (Q) (Au)
BEAR GULCH (Q) Au, Sn
CUTTING (V) Ag, Au, Mo
RUSTY (D, T) Au, Ag
TWO BIT (T, S) Au, Ag, Zn
GILT EDGE (V, U) Au, Ag
ELK MOUNTAIN (T, V) Au, Ag
BEAR BUTTE CREEK (Q) Au
MINERAL HILL (Y, T) Au, Cu
RAGGED TOP (V, T) Au, Ag
HOMESTAKE (C) Au, Ag
GALENA (S) Au, Pb, Zn
WASP (T) Au, W
BALD MOUNTAIN (T) Au, Ag
STRAWBERRY RIDGE (R) Fe
ROUBAIX (D, C) Au, Ag
CUTTING (V) Ag, Au, Mo
BENCHMARK (D) Au
TOMAHAWK (B) U, Au
ROCHFORD (C) Au, Ag
SILVER CITY (D, Z) Ag, Au, Sb
NAHANT (P) Fe
UPPER RAPID CREEK (Q) Au
NEMO (A) Fe
BLACKHAWK (M) Ca
PERRIN MOUNTAIN (C?) Au
MYSTIC (K) Fe, C
LESSERING (D) Au
NORRIS PEAK (R, A?) Fe
LOWER RAPID CREEK (Q) Au
HUGHES DRAW (W?, Z?) Th
MYSTIC (K) Fe, C
PACTOLA (D) Au
CASTLE CREEK (Q) Au
VICTORIA CREEK (Q) Au
HILL CITY (F) Sn
SPRING CREEK (Q) Au
TIGERVILLE (D) Au, Ag
SPRING CREEK (Q) Sn, Au
HUGO (E, H) Feldspar, mica
CALUMET (C, D) Au, Ag, Cu
HAT MOUNTAIN (L) Si
NEWTON GULCH (Q) Au
ROCKERVILLE GULCH (Q) Au
ETTA (G, J) Li, Be
KEYSTONE (C, D?, Z?) Au, Ag, As
RENO (E, G) Feldspar, Li
COPPER MOUNTAIN (Z?, D?) Cu, Ag, Zn
HOLY TERROR (D) Au, Ag
ETTA (G, J) Li, Be
THREE FORKS (D) Au
OREVILLE (F) Sn
HAYWARD (R) Fe
TENDERFOOT (K) Mica
PALMER GULCH (Q) Sn, Au
BATTLE CREEK (Q) Au
GRAND JUNCTION (C) Au, Ag
HARNEY (F) Sn
BERNE (G, J, E) Li, Be, feldspar
MOUNT RUSHMORE (I) Mica
HARNEY (F) Sn
IRON MOUNTAIN (A) Fe
SPOKANE (Z) Pb, Zn, Ag
ATLANTIC HILL (D) Au, Ag
HARNEY PEAK (E, I) Feldspar, mica
CROW (D) Au, Ag
FRENCH CREEK (Q) Au
CHILKOOT (D) Au, Ag
MOUNT RUSHMORE (I) Mica
PARK (E, I, H) Feldspar, mica
FRENCH CREEK (Q) Au
TIN MOUNTAIN (G, J) Li, Be
CALAMITY PEAK (I, J) Mica, Be
CROW (D) Au, Ag
BEECHER (G, J, E) Li, Be, feldspar
TIP TOP (E, J, G) Feldspar, Be, Li
CICERO PEAK (I) Mica
FRENCH CREEK (Q) Au
CUSTER (E, H) Feldspar, mica
SHIRTTAIL (L) Si
PRINGLE (G, J, E) Li, Be, feldspar
CICERO PEAK (I) Mica
SHIRTTAIL (L) Si
ARGYLE WEST (Mn) Mn
ARGYLE (M) Ca
EDGEMONT (O) U



INDEX MAP

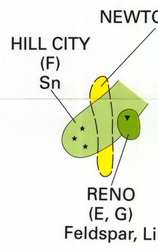


Base from U.S. Geological Survey
Devils Tower, 1977, and Sundance, 1979

BEAR LODGE AREA

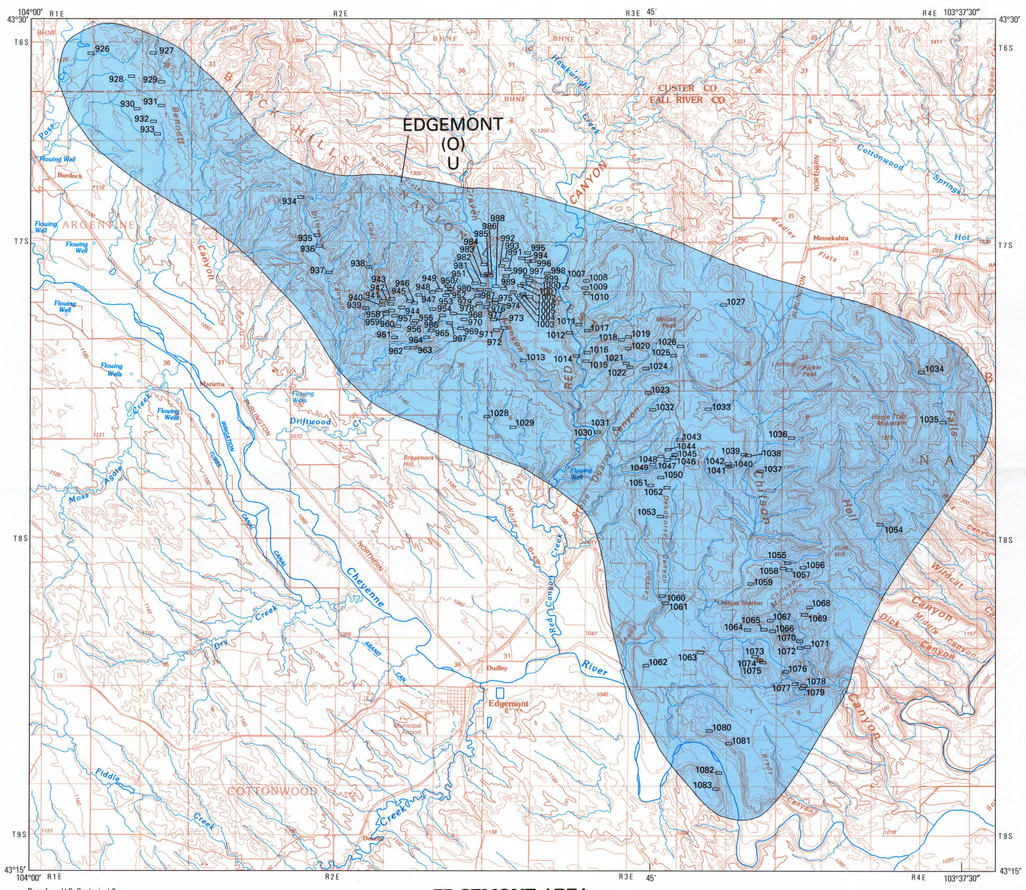
EXPLANATION

AGE	DEPOSIT TYPE	SYMBOL	CODE	TYPICAL COMMODITIES Major	*Minor*
Quaternary	Placer	✳	Q	Au, Sn	
	Bog iron	△	P	Fe	
	Placer	✳	Q	Au, Sn	
Cenozoic	Disseminated and carbonatite	◪	Y	Au	*Mn, U*
		●	X	Rare earth elements	*Te, Ag*
		♦	W	Th	*Pb, Ba, Th*
	Porphyry	□	V	Au, Ag	*Cu*
		☆	U	Mo	*Cu*
	Vein and replacement	▲	T	Au, Ag	*Pb, Zn*
		○	S	Pb, Ag	*Zn, Au*
	Vein	▯	Z	Pb, Au, Ag	*Zn, Cu*
	Vein and bedded	⊕	Mn	Mn	
Mesozoic	Roll-front	▭	O	U, V	
	Limestone	◊	M	Ca	
Paleozoic	Residual	✒	R	Fe	
	Paleoplacer	⚒	L	Au, Si	
	Vein	+	D	Au, Ag	*Pb, As, Cu*
	Pegmatite	◉	J	Be	
		⌔	I	Mica	
		×	H	Potassium feldspar, mica	
		▽	G	Li	
		★	F	Sn, W	
		▼	E	Potassium feldspar	
Early Proterozoic	Vein	+	D	Au, Ag	*Pb, As, Cu*
	Syngenetic stratiform	⭘	K	Mica, Fe	*Au, S*
	Syngenetic stratiform	■	C	Au	*Ag*
	Taconite iron-formation	⅄	A	Fe	*Mn*
	Quartz-pebble conglomerate	▬	B	U	*Au*
Archean	Taconite iron-formation	⅄	A	Fe	*Mn*



Metallic mineral district—Showing name of district, type(s) of deposit(s) present (in parentheses), commodities present, and locations of mines and prospects. Districts are defined and colored according to most common type of deposit present; chart above provides key to age, type of deposit (uncolored boxes designate deposit types that are not the most important type in any district), and commodities typical of that type of deposit. Boundaries of placer deposit districts are dashed; all other boundaries are solid. Where districts overlap, generally the color shown is that assigned to the smaller of the districts. Commodities in some districts differ from those listed above. A few isolated deposits are outside the boundaries drawn for the districts to which the deposits are assigned. See tables 1–4 in accompanying pamphlet for names, recorded location, and classification of individual deposits

228 Outline of open-pit mine


EDGEMONT (O) U
CUSTER CO
FALL RIVER CO
Cheyenne River
Edgemont
Dudley
COTTONWOOD CREEK
Fiddle Creek
Dry Cheyenne Creek
Driftwood Cr
Buffalo Gap
Hot Springs
Minnekahta
Norbeck
Cottonwood Springs
Flowing Well
Bordock
Marietta
Bennett
Moss Agate
Agate Creek
Chilson Station
Principal Airport
Pleasant Valley
Wildcat Canyon
Dick Mines Canyon
Fossil Canyon
Beaver Creek
Red Canyon
Buffalo Gap Canyon
Dry Creek
Aepco Dam
Hell Canyon
Flint Hill
Fairburn
Pringle
Hell Canyon
Cascade Springs
Deerfield Lake
Deerfield
Castle Creek
Slate Creek
Slate Prairie
Gillette Prairie
Gillette Canyon
Pleasant Valley
Muddy Gap
Hudson-Arno Peak
Hudson
Arno Peak
Hudson-Arno Canyon
Lookout Point
Lookout Tower
Wind Cave National Park
Wind Cave Canyon
Cold Spring
Elk Mtn
Elk Creek
Wind Cave
Boland Ridge
Limestone Spring
Rankin Ridge
Rankin Spring
Woodcock Spring
Wakefield Spring
Jewel Cave National Monument
Jewel Cave
Hell Canyon
Beaver Creek
Lame Johnny Creek
Hot Springs Mountain
Cascade Springs
Cascade Creek
Fall River
Fall River Creek
Cascade Falls
Cascade Falls Park
Evans Plunge
Minnekahta Creek
Minnekahta Trail
Minnekahta Canyon
Hot Springs Municipal Airport
Hot Springs Golf Course
Hot Springs Country Club
Mammoth Site of Hot Springs
Mammoth Site
Fall River Canyon
Fall River Overlook
Fall River Lookout
Fall River Lookout Tower
Fall River Overlook
Fall River Canyon