MINERAL AVAILABILITY SYSTEM

Field Work Sheet

Identification
State Monthua County CHOteau Date
Commodity Description
Commodity Name (in order of importance) Grade Units (oz/ton, percent, etc.)
1. 2.
3. 4′.
5. 6.
Current operational status Type of mining (surface, underground, etc.) Type of mineral holdings
Primary Name Choteau titaniferous magnetite deposits. Additional Names (found in beach sands)
Confidentiality Status of owner/operator Owner/operator name and percent of ownership
Location Sections 1,12,13,14,7, T.25 M, Rs. 54
Location Several exposures are listed on pass-39 of De Munck section to smallest fraction, range, township, principal meridian and base line.
Reference point (head frame, main adit, etc.) Precision in meters Land survey status (unknown,
ed Lat. 4755/30" 47°55'36" 400500 E Long, 112°20'30" 112°19'57" 5,308,000 Northin
Long, 112° 20'30" 112° 19'52" 5,308,000 Northin

unsurveyed, surveyed, superimposed grid) of reference point in meters Name of U.S.G.S. 1:250,000 Quadrangle
Geographical and Environmentalharacteristics
Rond requirements, in kilometers (existing roads, roads needed, etc.)
Distance to adequate water supply, in kilometers Distance to adequate power supply, in kilometers Name of mining district Domain
from USGS manual . Topography describe and
give relief in meters inches Distribution of precipitation . Temperature
tropical temperate, cool, cold, ice cap - give average for extreme month Vegetation
Labor supply . Land disturbed
(Act) (Pot) Environmental sensitivity to mineral extraction "People Reaction" to disturbance of following:
Short Term Long Term
(1) Land (2) Vegetation (3) Wildlife (4) Water (5) Air (6) Aesthetics (7) Sound (8) Overall
Use the following terms to rate the reactions: (1) undetermined; (2) nil; (3) moderate; (4) significant; (5) extreme; (6) prohibitive. Maximum surface area potentially disturbed in hectares Map series Map name

Exploration

Mode of discovery			Year of discovery		
	exposed in place, geo of first significant		Year of		
Desc	ription of Exploratio	n Methods Employe	ed		
Method	Extent Little, moderate, or extensive	Extent Method Resource Event Little, mode or extens	aluation Year derate,		
(1) core drillino (2) Davistube as (3) (4) (5) (6)	nalysis				
	Rock Descrip	tion			
age of deformation (ding, contemporaneous	Relationship of	Geologic mineralization to		
Rock Types					
(Alaskite, granit			ship to Ore r, encloses, etc.)		
(1) Squdstone (2) (3) (4) (5) (6)		encloses			
Economic and Gangue Minerals					
Geologic age of mi (undetermined, aph medium (1-5 mm), p variable)	neralization anitic, phaneritic-fi haneritic-coarse (gre	. Mind ne (less than lind ater than 5 mm),	eral grain size mm), phaneritic- pegmatitic, or		

Mineral Description

(Algite, azurite, etc.)	(Native, sul- fide, silicate, etc.)	(see above)	Amount (% in ore)	Units (90, vol. % grams per metric ton) (ppm)
(1) magnetite (2) il menite (3) (4) (5) (6)				
	Deposit Chara	acteristics		
Mode of origin (hy Shape of ore body Ore control (fold	(fissure vein, stock ydrothermal, sedimer (tabular, lenticula ing, faulting, etc.) on (slight, moderate ation (advanced argi	ntation, etc.) ar, pipelike, e	tc.) <u>lense</u> . Dec	ree of
	tation and Dimensior			
zone (meters) width of zone ness of zone (meters) Tonnage estimate	mineralized zone (meters) den) (meters) little (meters) Strike of z Dip of zone ers) l.5 e3-11 million Mil	Average les	ngth of mir Ave	neralized Average erage thick-
	Wa	ter Condition	1S	
Description of v	workings			
Swell Factor				
Land Status				
References Victor	or De Munck."	Iran Depos	its in M	ontang" 1956
	"Titaniferous)			
Central Mont	tana" Industric	al and Econ	omic De	velopment
Department,	BN. Railroad	١.	Allumostres este es es	
		Production and the second		
Additional data			~ 1132	
ata compiled by	7			