1900 0007	(Kg)
PROPERTY NAME Sample location 1763	County: Lincoln Titem 7
OTHER NAMES:New Freiberg Project	Mining District: Freiberg Caliente
MINERAL COMMODITY(IES): Cu, Pb, W, Zn?, Ag?	Caliente
TYPE OF DEPOSIT: Replacement, fault, iconfact intrisonntic	AMS Sheet: Caliente 2 sheet
ACCESSIBILITY:	Sec. <u>Unsurv.</u> , T <u>1N</u> , R <u>57E</u>
OWNERSHIP: See sample location 1761 & 1762	Coordinate (UTM):
PRODUCTION:	North $\frac{4_{1}1_{1}4_{1}4_{1}0_{1}0_{1}0_{m}}{6_{1}2_{1}4_{1}2_{1}0_{1}_{m}}$
HISTORY:	Zone +//
DEVELOPMENT: Canyon has several old shacks. Eyidently this is	main site of old mining town
<u>Workings are scattered thruout canyon, most vof relatively sm</u>	all extent. Low slopes within
canyon have been drilled & scrapped (surface exploration).	
ACTIVITY AT TIME OF EXAMINATION: Property was drilled 3-5 years ago. A active on a small scale- i.e. reworking of dumps, etc.	rea probably still intermittently
GEOLOGY: Sampled workings consist of one north-trending adi	t & 1 shallow (4-5'deep) prospect
in altered carbonate rock. Prospect (caved shaft?) is about	20' west of adit. Adit is of
small extent, probably less than 100'deep. The host rock for the deposit is tan to grey-brown	14mostomes which form 1 along
1-2' in width. The limestones, which are part of the Ordovice	cian Pogonin Group, din
shallowly to the N or NW in area of the workings. Locally the	ne rocks are moderately silicated
to a greenish-white, dense calc-silicate. Other types of al	teration effects observed are
recrystallization (marbelization), bleaching & brecciation of the limestones. The limestones exposed at portal of adit are fractured & brecciated, indicating adit	
may follow a north-striking fault zone. However, a better ex	cosed fault/vein is seen in the
to the west. A brecciated & altered zone about 5' in width	strikes N30E & is vertical. The
fault surface show slickensides & calcite & chlorite (epidote	e) gouge are deposited along the
fracture. Within the zone limestone breccia fragments are continuous radiating veinlets of calcite. An E-W fault zone (particular description)	5 6 1 1 THE OF
was also observed. Near portal, the E-W fault zone is marked	d by slight silicification of
the wallrocks, & recrystallization of the host. The rocks have	ave a light green color due to
silication process. The silicated limestone is greenish (ep.	idote), mottled & is associated
with gossan & abundant Fe & Mnoxs.	• • • •
Sample 1763 consists of limonitic & hematitic goss; chalcopyrite (oxidized), malachite & possibly sphalerite?	In with clots galena,
coatings. Calc-silicate & recrystallized limestone from the	dump is marly, light colored &
contains irregular lenses of calcite & abundant clay & Fe & }	Mnoxs coatings. The rocks are
dense & may contain fine-grained sulfides. When lamped the flecks of scheelite.	rocks showed scattered minute
riecks of scheetite.	
The county geologic map shows that the working is local	cated just (S) E of a levcocratic
granite stock which intrudes the limestone. Some chloritized	i hornblende diorite was found in
float, indicating more mafic dikes are present in the area.	**************************************
*Note: Road to main Freiberg Mine, located at head of this	s canvon, was never found since
maps not available for this area. Road below main minesite lo	ooks washed out from distance.
Sample 1763	
REFERENCES: NBMG Bull. 73	
Bentz/Smith	10/7/83
EVANAMICD.	DATE VICITED.