0450 0021		(228) Tem 71
PROPERTY NAME: Sterling Mine		County: Nye
OTHER NAMES:		Mining District: Bare Mountain
MINERAL COMMODITY(IES): Au		AMS Sheet: Death Valley
TYPE OF DEPOSIT: Disseminated gol	d	Quad Sheet: Bare Mtn. 15'
ACCESSIBILITY:		Sec. <u>5?</u> , T <u>13S</u> , R <u>48E?</u>
OWNERSHIP: Saga Exploration	Co. (Greg Austin)	Coordinate (UTM):
PRODUCTION:		North $4 \ 0 \ 7 \ 5 \ 8 \ 0 \ 0$ m East $0 \ 5 \ 3 \ 1 \ 1 \ 9 \ 0 \ 0$ m
HISTORY: Discovered in 198	80 by Cordex exploration	Zone11
(J. Livermore, W. Deløma	are)	
Delama	ire	
ACTIVITY AT TIME OF EXAMINATION: Limite GEOLOGY: Disseminated Au n	shaft (approx. due S), operated by south. Heap-leach pads near mine ed mining underground; striping was mineralization(free, microscopic go	and an alluvial fan to the east. st at open pit. old) occurs along a thrust fault
between upper plate siltstor	ne and lower plate dolomito The	des sectories 11
place Jannie rm and the lower	Bonanza King. The Southern Nye Co	ounty NBMG Bulletin calle the
rocks wood Canyon and Bonanza	King (upper and lower plate respec	ctively). The are body or bodies
dip of the thrust (south) wh	es just above the thrust fan'ir.	Ore shoots? appear to rake down
These shoots? are apparently	nich is 5-10° near the surface and controlled by lateral or strike-s	up to 20° in the deeper workings
These lateral faults are high	angle, trend N-S, and may be rela	ated to the trust faulties
Later (tertiary!) high angle,	N-S normal fan it: of minor displ	acement have white (calcite along
them (often banded), open cay	ities, and may have acted as feede	ers for hydrothermal solutions
common in the ore zones.	ed the siltstone of the upper parts	Hydothermal breccias are
The altereation in the o	re consists of kaolinite, hallaysi	te, alunite, limonite, jarosite.
at another locality The Au	also calcite. Stibnite seen at or is very fine-grained; ore below 6	ne small spot; cerrussite at
ore generally 0.5-1 oz, can b	e up to 4 oz/ton. Ag is very low	in the ore The one in the
chousands of ppin As, 100's of	ppm Sb, and as high as 5000 ppm H	lg. Rocks are silicified below
the ore. The ore zone can be	as thick as 20m and as wide as 25m	the average thickness is 5m
Mineralization in the Am	brose open pit is similar although	not well understood It is
associated in part with a N-S	lateral? fault in siltstone above	the thrust fault a short
present locally The alumit	ous in the ore; the ore is almost	all oxidized - a few sulfides
essentially blind, especially	e is fine-grained and could be sup the underground one. Heap leachi	ergene. The deposit is
- Copecially	the underground one. Heap leachi	ng of ore, /5-90% recovery.
REMARKS: Photo G821-11? Amb Samples 376,377.	rose open pit, #12 heap leach pads	on the alluvial fan.
Geology (cont.). A few small	pods of galena were found in the	1 1
pyrite may also be present lo	cally. Some workings about 300-40	Om NNU of the dealine shaft
reported to be high in silver	(They were not visited)	om NNW of the incline shart are
REFERENCES: USGS G.Q. 157, NB	MG Bull. 77	
nerenewoes.		· · · · · · · · · · · · · · · · · · ·
EXAMINER: L.J. Garside & J.V.	Tingley; mine tour with Joseph Mar	r nate visited 25 Mar 82