0750 0014	County: Eureka Jen 14 (108)
PROPERTY NAME: Buckhorn Mine - south pit.	Mining District:  Buckhorn  Mining District:
OTHER NAMES:	AMS Sheet: Winnemucca
MINERAL COMMODITY(IES): Au, Ag	Quad Sheet: Horse Creek Valley 15'
TYPE OF DEPOSIT: Breccia (fault), vein	
ACCESSIBILITY:	Sec. 31 , T 27N , R 49E
OWNERSHIP: Cominco American Exploration Co. Main office- Seat	ttle, Coordinate (UTM):
OWNERSHIP: Cominco American Exploration 65. Tasasa Washington.	North 4 4 4 8 1 0 0 m O 5 4 3 4 2 5 m
PRODUCTION: il for corly higtory.	7one +11
HISTORY: See crib for early history.  Cominco acquired this property when they bought out B.	ethex
Corp.	01 old
DEVELOPMENT: 2 relatively small open pit mines (glory holes underground workings exist near & within one mile of about 300 exploration holes. Cominco continued with of 1982.  ACTIVITY AT TIME OF EXAMINATION: Cominco was actively conducting exptime of our examination. Their work during the summe their claim area, geochemical sampling & core drilling GEOLOGY:  The main workings of the Buckhorn Mine are two the southern pit is the larger of the two & will be determined.	a program of drilling during the summer loration work on this property at the er of 82 included geologic mapping of g within & near the existing open pits.  To small open pits, or glory holes.
The southern pit is the larger of the two & will be to the southern pit is elongate in a N, NW direct the southern pit	tion along the strike of a mineralized
along a high-angle reverse fault which exists in the	central portion of the horst. All of
the process of high gold values (Several)	Lange Lieum L II
clastic sediments & chert. In general, within the pi	The hedded rocks dip approximately
faulted against siltstone, chert & conglomerate.	(knolinictd)
10-15° to the east.  Samples 1512 A & B were collected from a hig	hly argillized & chaotic breccia zone
The eltered beealt tra	oments Are Altera to all digitite do
of their amorphous character. (These may be arsenic	mins of strice a cray
Samples - 1512 A & B - From breccia zone in noi	th part of pre:
1513 - From breccia zone in south par	t of pit. Dampie from Financia,
fractured fault zone.	
REMARKS: Photos.  According to Scott Monroe, geologist for Com	ninco, free gold is associated with
According to scott months, geologist the bree	
there are high amounts of pyrite & marcasite below t	the oxide zone. The oxide zone is
The great amounts of clay associated with the	ne oxide ore has caused problems in the
removal of gold with cyanide leaching techniques.	
* The horst block has been recently reinterpreted as a graben	structure (oral comm., Scott Monrot)
The state of the s	of the property.
REFERENCES: Cominco Geologist Scott Monroe conducted tour Wells, & Elliot, 1969, Preliminary Geologic & Geoch	nemical Maps of the Buckhorn Mine Area,
USGS Open-file report.	DATE VISITED: 7/82
EXAMINER: Bentz/Tingley/Bonham/Smith	UNIE VISITED