TOPOGRAPHY EXPLANATION

NAD83 STATE GRID
CONTROL
INDEX CONTOUR
INTERMEDIATE CONTOUR
SPOT ELEVATION — 5800.00
ROAD - PAVED
ROAD - PAVED (L)
ROAD - DIRT
ROAD - TRAIL
RAILROAD
RAILROAD - ABANDONED RIGHT OF WAY
BRIDGE
STRUCTURE
TRAILER
FENCE
TANK
FOUNDATION
STREAMS - PERENNIAL
STREAMS - INTERMITTENT
POND
DITCH
PIPE
CUTS
CREST
TOE
POLE
WELL — WELL NUMBER
DRILL HOLE - SURVEYED — DH OWNER / DH NUMBER
DRILL HOLE - UNSURVEYED — DH OWNER / DH NUMBER
MINE SHAFT — OPEN / FENCED / COVERED / BACK FILLED
MINE SHAFT - MULTI COMPARTMENT
MINE SHAFT - INCLINED WITH DEGREE OF INCLINATION — 45° / 60°
PROSPECT
ADIT PORTAL
TRENCH

GEOLOGIC EXPLANATION

ROCK TYPES

RECENT
- Qwtc — WASHED TAILS - COARSE & FINES
- Qmd — Qht — MINE DUMPS & HEAP LEACH TAILS

CENOZOIC — QUATERNARY
DISCONFORMITY
- Qu — QUATERNARY UNCONVOLIDATED - PROMINENTLY UNTIL TO 1931

CENOZOIC — TERTIARY
- Tfp — TERTIARY FRIAR STOCK DIKES
- Qb — BASALT INTRUSIVE
- Tgg — GILA CONGLOMERATE - CEMENTED & SOMETIMES TILTED SPARSE

UNCONFORMITY
- Khd — HORNBLENDE ANDESITE PLUG AND ASSOCIATED DIKES
- Krd — RHYODACITE
- Kg — GRANOPHYRE
- Kr — RHYOLITE PLUG AND ASSOCIATED DIKES (AGE 63 MY) POSSIBLE PHAPBERAL EQUIVALENT OF THE Kqpr
- Kqpr — COMSTOCK QUARTZ MONZONITE PORPHYRY (AGE 63.5 MY FROM MARSH, 1981) DIKES BY BRISCOE & DREMES, DATED BY USGS INTRUSIVE INTO Ykg
- Kqlp — QUARTZ LATITE PORPHYRY
- Ksg — SCHEFFELIN GRANODIORITE (AGE 72 MY)
- Kut — UVALDE SAN TUFF (AGE 71.9 ± 2.4 MY)
- Kbr — BRONCO RHYOLITE - DOMES AND FLOWS ?
- Kap — ANDESITE PORPHYRY DIKES
- Kba — BRONCO ANDESITE - LAMARID FITER HORIZONTAL FLOWS AND DIKES ?

UNCONFORMITY
- Kb — BISBEE FORMATION - UNDIFFERENTIATED REDBEDS - SHALE, ARKOSIC QUARTZITE (NW INDICATES MARINE FORMATION BY PERMITTED WOOD DETRITUS) BY DR. ERIC FORCE, USGS.
- KJs — JOY LIMESTONE
- Kbls — LIMESTONE - INCLUDES BLUE, 12 FOOT, AND 6 FOOT LIME UP LOCAL USAGE
- Kbg/Kbr — GLANCE CONGLOMERATE - NOMENCLATURE OF LOCAL USAGE WARDINI & BUSER & WILSON, CHARACTERIZED BY INTENSE SILICIFICATION IN MINERALIZED ZONES

UNCONFORMITY
- Pcn — CONDRA (NACO) LIMESTONE

PALEOZOIC — PENNSYLVANIA - PERMIAN
- Ped — EPITAPH DOLOMITE
- Pc — COLINA LIMESTONE
- Pfe — PERMIAN - PENNSYLVANIAN EARP LIMESTONE
- Pth — HORQUILLA LIMESTONE

DISCONFORMITY

PALEOZOIC — MISSISSIPPIAN
- Me — ESCABROSA LIMESTONE

DISCONFORMITY

PALEOZOIC — DEVONIAN
- Dm — MARTIN LIMESTONE

DISCONFORMITY

PALEOZOIC — CAMBRIAN
- Ca — ABROGO LIMESTONE
- Cb — BOLSA QUARTZITE

NONCONFORMITY

PRECAMBRIAN
- Pcg — GRANITE
- Pcp — PINAL SCHIST

SYMBOLS

SECTION LINES
a. GEOLOGIC CROSS SECTIONS FROM BUTLER - WILSON REPORT
b. GEOLOGIC CROSS SECTIONS FROM THIS REPORT

CONTACT
DASHED WHERE APPROXIMATELY LOCATED, AND DOTTED WHERE CONCEALED OR INTERPRETED

FAULT
DASHED WHERE APPROXIMATELY LOCATED, AND DOTTED WHERE CONCEALED OR INTERPRETED

VEINS
INCLUDES THE SO CALLED "ISSUURS" OF LOCAL USAGE

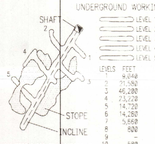
STRIKE AND DIP
a. BEDDING TRENDS
b. JOINT TRENDS
c. VERTICAL DIP

FLOW STRUCTURE
a. INDICATING STRIKE AND DIP
b. VERTICAL DIP

ANTICLINES AND SYNCLINES
a. THESE ANTICLINES AND SYNCLINES HAVE BEEN TAKEN FROM OLD HISTORIC DATA
b. THESE ANTICLINES AND SYNCLINES WERE INTERPRETED FROM EXISTING MAPPED GEOLOGY BY J. A. BRISCOE

ALTERATION AND MINERALIZATION
- HORNFELS
- SKARN
- SILICIFICATION - MASSIVE TO WEAK
- MARBLE BLEACHING AND/OR PHYLLIC ALTERATION
- LIMONITE AFTER SULFIDES - MASSIVE TO DISSEMINATED
- MANGANESE - MASSIVE TO DISSEMINATED
- WOOD FIRE MINERALIZATION FROM HISTORIC DATA
- INFERRED MINERALIZATION, SIMILAR TO PREVIOUSLY MINED
- MEASURED ORE FROM DRILL HOLE INFORMATION
- INFERRED DISSEMINATED GOLD & SILVER MINERALIZATION FROM GEOLOGY AND/OR GEOCHEMISTRY SUPPLIED, AND/OR SOIL DRILLING

UNDERGROUND WORKINGS



LEVELS	FEET	MILES	% TOTAL	Σ TOTAL
1	9,044	1.7	6.6	6.6
2	11,160	2.1	14.2	20.8
3	46,280	8.8	34.0	54.8
4	23,020	4.4	16.9	71.7
5	14,720	2.8	11.0	82.7
6	14,280	2.7	10.5	93.2
7	3,668	.7	2.7	95.9
8	800	.2	.6	96.5
9				97.0
10	560	.1	.4	101.4
	136,288	25.9	101.4	

NUMBERS INDICATE UNDERGROUND MINE LEVEL FROM SHAFT COLLAR

EXPLANATORY NOTES

PROPERTY DATA ARE FROM THE RECORDS OF THE COCHISE COUNTY COURTHOUSE, U.S. Produced from the Tombstone Development Co. (TDC) Tombstone Basin area has been Co., INC. RESEARCHED BY THOMAS E. WALDRIP, JR. THEY HAVE BEEN PLOTTED AS CLOSELY AS RECORDS WOULD PERMIT ON THE U.S.G.S. 7 1/2 BY THE WHERE ON THE SHOP AND ITS LOCATIONS ARE TOMBSTONE, TOMBSTONE S.E., FAIRBANK AND LEWIS SPRINGS 7 1/2 MINUTE QUADRANGLE. IN JULY 1 PLUS 2 MAURY 1983 THE DATA FROM PLATE 1 WAS ENLARGEMENT OF THE TOMBSTONE 7 1/2 MINUTE TOPOGRAPHIC MAP, 1953, PHOTO REVISION, 1978. THE CLAIM DATA WAS RE-DRAFTED AND ADJUSTED THIS DATA WAS PLOTTED ON Ground control provided by the A-TEAM Professional Associates, Inc. using NAD83 State Plane coordinates for the Tombstone area.

LOCATIONS OF MINE SHAFTS WERE DIGITIZED FROM THE 1908 U.S.G.S. 1" = 500' SCALE OF 1:24,000 A BLACK AND WHITE ORTHOPHOTO MAP WITH SURVEY BASE AND 1,000 FOOT GRID TICKS. 2. AT A SCALE OF 1:2,400 (1" = 200') AND 5' CONTOURS A DIGITAL TERRAIN MODEL (DTM) WAS PLOTTED DIRECTLY FROM THE 1955T VENTAGE MAP NOTED IN THE REFERENCES ON THIS MAP SHEET. SOUTH OF THE PROMPTER FAULT, GEOLOGY FROM THE 1955T MAP WAS UPDATED ACCORDING TO THE MORE RECENT WORK BY NEWELL AND DREMES, AS INTERPRETED BY JAMES A. BRISCOE.

12 SEPTEMBER 1992. THE NORTHERN PART OF THE TOMBSTONE HILLS WAS REMAPPED. A BASE TRIANGULATION SURVEY WAS PERFORMED BY THE A-TEAM REGISTERED PROFESSIONAL SURVEYORS, OF PHOENIX AND TUCSON, AZ USING GPS EQUIPMENT AND PHOTOGRAMMETRICALLY BY THE ORTHO SHOP OF TUCSON AT A PHOTOGRAMMETRIC SCALE OF 1" = 200'. SEVERAL PRODUCTS FROM THIS PHOTOGRAMMETRIC WORK HAVE BEEN PRODUCED TO DATE: 1. AT A SCALE OF 1" = 200' SHEET 8) CIRCA 1987 – 1998. MANY SHAFTS WERE SCALE OF 1" = 100' FIELD PRIMARILY BY SANTA FE MINERALS INC. UNDER THEIR LEASE WITH TOMBSTONE DEVELOPMENT CO., INC. CIRCA 1987 – 1998.

1	2	3
4	CONTENTS SHEET 5	6
7	GRAND CENTRAL 8	9
10	11	12
13	14	15

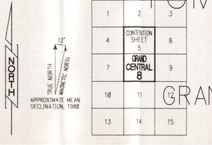
REFERENCES - GEOLOGY

DREMES, HARALD, 1968, TECTONIC MAP OF SOUTHEAST ARIZONA, U.S. GEOLOGICAL SURVEY MAP I-1189.

NEWELL, RODER S., 1974, EXPLORATORY GEOLOGY AND GEOMORPHOLOGY OF THE TOMBSTONE HILLS, COCHISE COUNTY, ARIZONA, U.S.G.S. OPEN FILE REPORT 74-1, 1974.

UNKNOWN, CIRCA 1955 PROBABLY A NEWMONT MINING CO. GEOLOGIC AND ALTERATION MAP, WITH SURFACE PROJECTION OF UNDERGROUND MINE WORKINGS, PLOTTED ON CONTOUR, INTERVAL 50 FEET, FROM THE FILES OF THE TOMBSTONE DEVELOPMENT COMPANY, INC.

INDEX MAP 1992 PHOTOGRAPHY & PHOTOGRAMMETRY (SHADING SHOWS SHEETS EXTANT AS OF THIS DATE)



TOMBSTONE ARIZONA
COCHISE COUNTY
GRAND CENTRAL SHEET NO. 8

TYPE	AUTHORS LIST	DATE
GEOLOGY	JAMES A. BRISCOE	
PROPERTY	T.E.W. LLC	
TOPOGRAPHY	THE ORTHO SHOP	
SURVEY	A-TEAM SURVEYORS	
CADD	GARY M. BLACHARSKI	12/05/93
APPROVED		

JABA INC. TUCSON, ARIZONA

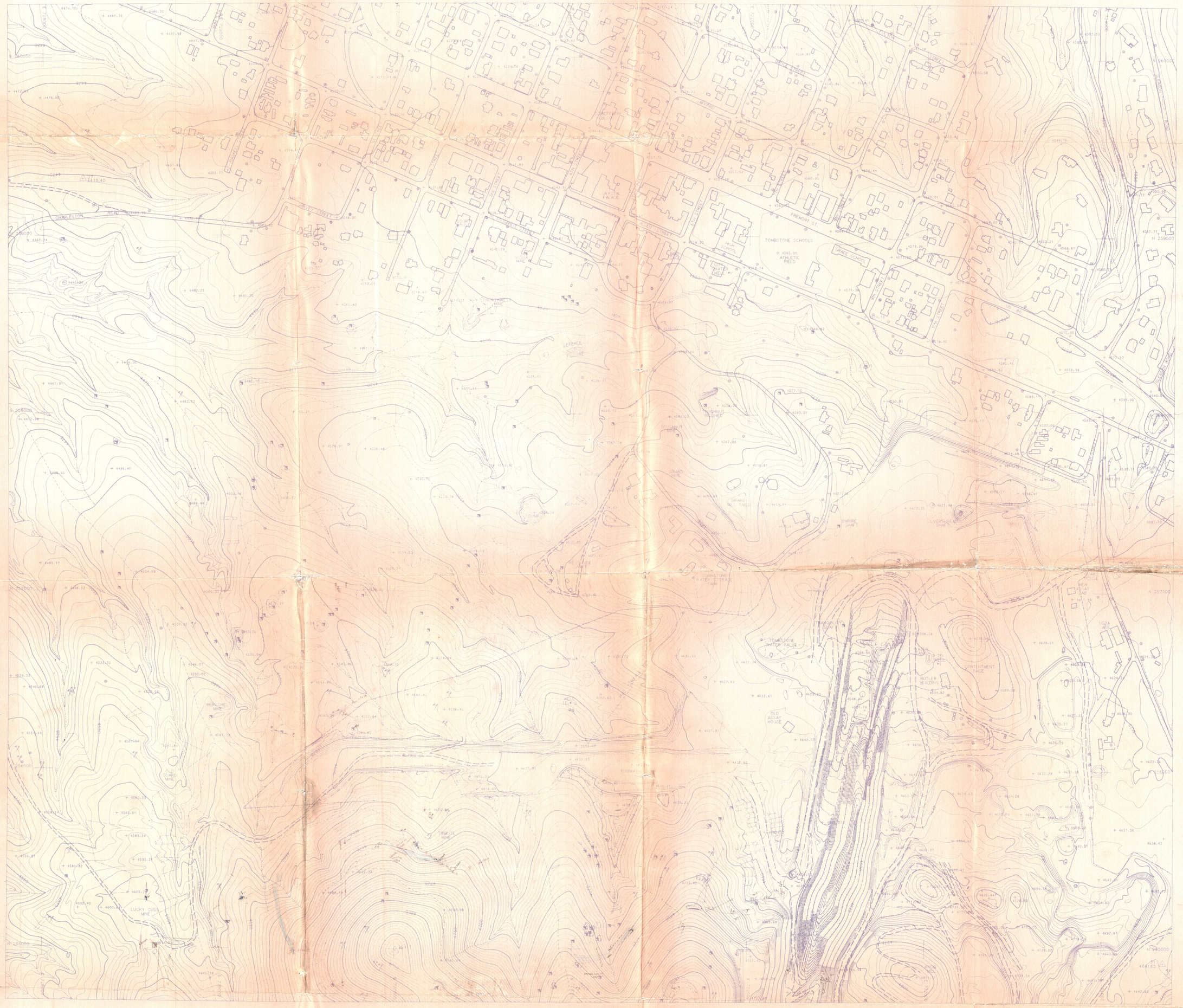
TOMBSTONE, ARIZONA
COCHISE COUNTY
GRAND CENTRAL SHEET No 8
WITH MINE WORKINGS

200 100 0 400
SCALE 1" = 200' CONTOURS AT 5'

PREPARED FOR: Tombstone Development Co. (TDC) Inc.
P.O. BOX 1445
Grand Island, Nebraska

COUNTRY: U.S.A. STATE: ARIZONA COUNTY: COCHISE
MOUNTAIN RANGE: TOMBSTONE HILLS
MINING DISTRICT: TOMBSTONE
USGS QUAD SHEETS: TOMBSTONE, Az 7 1/2 MIN.

CAD No.	REV DATE	DWG NUMBER	REV
TMD-0882	06/17/94		6



Produced for Excellon Resources USA inc.
by The Orthoshop - Tucson
Aerial Photo Date - October 12 1992

Ground control provided by the A-TEAM Professional Associates, Inc.
using NAD83 State Plane coordinates for the Arizona Eastern Zone

1	2	3
4	5	6
7	8	9
10	11	12
13	14	15

SCALE 1" = 200'

200 100 0 200 400 600 800

CONTOUR INTERVAL = 5 ft

Grid		Building		Concrete	
Control		Trailer		Cattle Guard	
Index Contour		Fence		Hydrant	
Intermediate Contour		Rail		Pole	
Spot Elevation		Tank		Light Pole	
Paved Road		Stream		Mine Shaft	
Dirt Road		Pond		Cuts	
Trail		Scar		Toe	
		Wash		Crest	
		Pipe Line		Prospect	

TOMBSTONE
COCHISE CO., ARIZONA

TOPOGRAPHY EXPLANATION

NAD83 STATE GRID
CONTROL
INDEX CONTOUR
INTERMEDIATE CONTOUR
SPOT ELEVATION — 5000.00
ROAD – PAVED
ROAD – PAVED CL
ROAD – DIRT
ROAD – TRAIL
RAILROAD
RAILROAD – ABANDONED RIGHT OF WAY
BRIDGE
STRUCTURE
TRAILER
FENCE
TANK
FOUNDATION
STREAMS – PERENNIAL
STREAMS – INTERMITTENT
POND
DITCH
PIPE
CUTS
CREST
TOE
POLE
WELL — WELL NUMBER
DRILL HOLE – SURVEYED — DH OWNER / DH NUMBER
DRILL HOLE – UNSURVEYED — DH OWNER / DH NUMBER
MINE SHAFT — OPEN / FENCED / COVERED / BULK HEADED / BACK FILLED
MINE SHAFT – MULTI COMPARTMENT
MINE SHAFT – INCLINED WITH DEGREE OF INCLINATION — 60°
PROSPECT
ADIT PORTAL
TRENCH

GEOLOGIC EXPLANATION

ROCK TYPES

Era	Period	Symbol	Description
RECENT		Qwtc / Qwt1	WASHED TAILS – COARSE & FINES
		Qmd / Qmt	MINE DUMPS & HEAPLEACH TAILS
			DISCONFORMITY
CENOZOIC	QUATERNARY	Qu	QUATERNARY UNDIVIDED – PRIMARILY UNTILIZED SOIL
	TERTIARY	TTr	TERTIARY ? RHYOLITIC DIKES
		Qb	BASALT INTRUSIVE
		Tog	GILA CONGLOMERATE: CEMENTED & SOMETIMES TILTED GRAVELS
			UNCONFORMITY
MESOZOIC	CRETACEOUS	Khd	HORNBLENDE ANDESITE PLUG AND ASSOCIATED DIKES
		Krd	RHYODACITE
		Kg	GRANOPHYRE
		Kr	RHOLITE PLUG AND ASSOCIATED DIKES (AGE: 63 M.Y.) POSSIBLE HYPABYSSAL EQUIVALENT OF THE Kcqm
		Kcqm	COMSTOCK QUARTZ MONZONITE PORPHYRY (AGE: 63.5 M.Y. FROM SAMPLE COLLECTED BY BRISCOE & DREWES, DATED BY USGS) INTRUSIVE INTO Ksg
		Kqlp	QUARTZ LATITE PORPHYRY
		Ksg	SCHIEFFELIN GRANODIORITE (AGE: 72 M.Y.)
		Kut	UNCLE SAM TUFF (AGE: 71.9 ±2.4 M.Y.)
		Kbr	BRONCO RHYOLITE – DOMES AND FLOWS ?
		Kap	ANDESITE PORPHYRY DIKES
		Kba	BRONCO ANDESITE – LAHARIC FLOW BRECCIAS, FLOWS AND DIKES ?
			UNCONFORMITY
		Kb	BISBEE FORMATION – UNDIFFERENTIATED REDBEDS – SHALE, ARKOSIC QUARTZITE — — LINE INDICATES MARKER HORIZON OF PERMITED WOOD IDENTIFIED BY DR. ERIC FORCE, USGS.
PALEOZOIC	PENNSYLVANIA – PERMIAN	K Jts	JOC LIMESTONE
		Kbls	LIMESTONE – INCLUDES BLUE, 12 FOOT, AND 6 FOOT LIME OF LOCAL USAGE
		Kbg/Kbn	QUAKE CONGLOMERATE – "NONAOLITE" OF LOCAL USAGE – RANSOME & BUTLER & WILSON. CHARACTERIZED BY INTENSE SILICIFICATION IN MINERALIZED ZONES
			UNCONFORMITY
		Pcn	CONCHA (NACO) LIMESTONE
		Ped	EPITAPH DOLOMITE
		Pc	COLINA LIMESTONE
		IPe	PERMIAN – PENNSYLVANIAN EARP LIMESTONE
		IPh	HORQUILLA LIMESTONE
	MISSISSIPPIAN		*DISCONFORMITY*
		Me	ESCABROSA LIMESTONE
	DEVONIAN		*DISCONFORMITY*
		Dm	MARTIN LIMESTONE
	CAMBRIAN		*DISCONFORMITY*
		Ca	ABRIGO LIMESTONE
		Cb	BOLSA QUARTZITE
			NONCONFORMITY
PRECAMBRIAN		Pcg	GRANITE
		Pcp	PINAL SCHIST

SYMBOLS

SECTION LINES
a. GEOLOGIC CROSS SECTIONS FROM BUTLER – WILSON REPORT
b. GEOLOGIC CROSS SECTIONS FROM THIS REPORT

CONTACT
DASHED WHERE APPROXIMATELY LOCATED, AND DOTTED WHERE CONCEALED OR INTERPRETED

FAULT
DASHED WHERE APPROXIMATELY LOCATED, AND DOTTED WHERE CONCEALED OR INTERPRETED

VEINS
INCLUDES THE SO CALLED "FISSURES" OF LOCAL USAGE

STRIKE AND DIP
a. BEDDING TRENDS
b. JOINT TRENDS
c. VERTICAL DIP

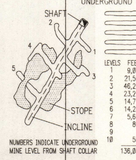
FLOW STRUCTURE
a. INDICATING STRIKE AND DIP
b. VERTICAL DIP

ANTICLINES AND SYNCLINES
a. THESE ANTICLINES AND SYNCLINES HAVE BEEN TAKEN FROM OLD HISTORIC DATA
b. THESE ANTICLINES AND SYNCLINES WERE INTERPRETED FROM EXISTING MAPPED GEOLOGY BY J. A. BRISCOE

ALTERATION AND MINERALIZATION

HORNFELS
SKARN
SILICIFICATION – MASSIVE TO WEAK
MARBLE BLEACHING AND/OR PHYLLIC ALTERATION
ARGILLIC AFTER SILTICS – MASSIVE TO DISSEMINATED
MANGANESE – MASSIVE TO DISSEMINATED
MINED ORE MINERALIZATION FROM HISTORIC DATA
INFERRED MINERALIZATION SIMILAR TO PREVIOUSLY MINED
MEASURED ORE FROM DRILL HOLE INFORMATION
INFERRED DISSEMINATED GOLD & SILVER MINERALIZATION FROM GEOLOGY AND/OR GEOCHEMISTRY/ SURPASS AND/OR SCout DRILLING

UNDERGROUND WORKINGS



NUMBERS INDICATE UNDERGROUND MINE LEVEL FROM SHAFT COLLAR

LEVELS	FEET	MILES	% TOTAL	Σ TOTAL
1	9,840	1.7	7.8	7.8
2	21,580	4.1	16.0	23.8
3	46,200	8.8	34.0	57.8
4	23,720	4.4	17.8	74.6
5	14,720	2.8	11.0	85.6
6	14,200	2.7	11.0	96.6
7	5,660	1.1	4.0	100.6
8	800	0.2	1.0	101.0
9				
10	560	0.1	0.4	101.4
	136,080	25.9	101.4	

EXPLANATORY NOTES

PROPERTY DATA ARE FROM THE RECORDS OF THE COCHISE COUNTY COURTHOUSE, U.S. [illegible] RECORDS BY [illegible] CO., INC., RESEARCHED BY THOMAS L. WALDRIP, JR. THEY HAVE BEEN PLOTTED AS CLOSELY AS RECORDS WOULD PERMIT ON THE U.S.G.S. 7 1/2 MINUTE MAP ENTITLED TOMBSTONE, TOMBSTONE S.E., FAIRBANK AND LEWIS SPRINGS 7 1/2 MINUTE QUADRANGLES. SEE PLATE 1 BRISCOE & WALDRIP, 1993 THE DATA FROM PLATE 1 WAS ENLARGED ON THE TOMBSTONE 7 1/2 MINUTE TOPOGRAPHIC MAP, 1952, PHOTO REVISION, 1978. THE CLAIM DATA WAS RE-DRAFTED AND ADJUSTED [illegible] THE DATA WAS RE-[illegible] USING STATE PLANE COORDINATES FOR THE [illegible] TOPOGRAPHIC MAP. THE ORTHO SHOP OF TUCSON AT A [illegible] 1" = 200'. SEVERAL PRODUCTS FROM THIS PHOTOGRAMMETRIC WORK HAVE BEEN PRODUCED TO DATE: 1. AT A SCALE OF 1:24,000 A BLACK AND WHITE ORTHOPHOTO MAP WITH SURVEY BASE AND 1,000 FOOT GRID TICKS. 2. AT A SCALE OF 1:2,400 (1" = 200') AND 5' CONTOURS A DIGITAL TERRAIN MODEL (DTM) WITH A TOPOGRAPHIC HARD COPY B. ORTHOPHOTO MAP WITH 20' CONTOURS SUPERIMPOSED. C. ORTHOPHOTO MAP WITH GRID TICKS BUT NO TOPOGRAPHY. SHEET 5 PRODUCED IN OCTOBER 1992 AND SHEET 8 IN NOVEMBER 1993. NO OTHER SHEETS (AS SHOWN ON THE INDEX MAP ARE EXTANT AT THIS DATE). STILL EXISTING MINE OPENINGS WERE INTERPRETED FROM PHOTOGRAPHY AND LIMITED FIELD CHECKING. MOST MINE DUMPS ASSOCIATED WITH EARLY DAY MINING WERE REMOVED CIRCA 1972 BY YOTT MINERALS LIMITED, TO A CENTRAL HEAP LEACH PAD WHERE THEY WERE LEACHED WITH CYANIDE. THE OPEN PIT WAS PRIMARILY EXCAVATED CIRCA 1978 – 1985 BY TEI (TOMBSTONE EXPLORATION INC.), WITH MINIMAL FURTHER EXCAVATION BY LOCATIONS OF MINE SHAFTS WERE DIGITIZED FROM THE 1988 U.S.G.S. 1" = 500' PLOTTED DIRECTLY FROM THE 1955? VINTAGE MAP NOTED IN THE REFERENCES ON THIS MAP SHEET. SOUTH OF THE PROMPTER FAULT, GEOLOGY FROM THE 1955? MAP WAS UPDATED ACCORDING TO THE MORE RECENT WORK BY HOWELL AND DREWES, AS INTERPRETED BY JAMES A. BRISCOE. 12 SEPTEMBER 1992. THE NORTHERN PART OF THE TOMBSTONE HILLS WAS REMAPPED. A BASE TRIANGULATION SURVEY WAS PERFORMED BY "THE A–TEAM" REGISTERED PROFESSIONAL SURVEYORS IN PADDOCK AND TUCSON, AZ USING GPS EQUIPMENT [illegible] THE AREA WAS THEN FLOWN [illegible] THE ORTHO SHOP OF TUCSON AT A [illegible] 1" = 200'. THE ORTHO SHOP OF TUCSON AT A [illegible] 1" = 200'. SEVERAL PRODUCTS FROM THIS PHOTOGRAMMETRIC WORK HAVE BEEN PRODUCED TO DATE: 1. AT A

1	2	3
13	14	15

REFERENCES – GEOLOGY

NEWMAN, CHANDAN MINES INC. AND MERRILL–CROWE PLANT AND HEAP LEACH NEW CONSTRUCTION (SEE SHEET 8) CIRCA 1987 – 1998. MANY SHAFTS WERE UNMARKED IN FIELD PROBABLY BY SANTA FE MINERALS INC. UNDER THEIR DATE WITH TOMBSTONE DEVELOPMENT CO., INC. CIRCA 1987 – 1998.

THIS MAP WAS PRODUCED USING COMPUTER AIDED DRAFTING (AUTOCAD R. 12.0) SOFTWARE AND PRINTED IN COLOR USING A HEWLETT – PACKARD INK JET PLOTTER. THE DATA IN THE COMPUTER IS A 3 DIMENSIONAL DIGITAL TERRAIN MODEL. AD DRAFTING WAS WORK DONE BY MESSRS PETER BONDANTE CIRCA 1988 – 1993, AND UPDATED AND REVISED BY GARY M. BLACHARSKI. SUPERVISION PROVIDED BY JAMES A. BRISCOE, THOMAS E. WALDRIP JR., AND ROBERT J. MACER, GEOLOGISTS, JABA INC.

DREWES, HARALD, 1998, TECTONIC MAP OF SOUTHEAST ARIZONA, U.S. GEOLOGICAL SURVEY MAP I–1195

HOWELL, ROGER A., 1974, EXPLORATION GEOLOGY AND GEOCHEMISTRY OF [illegible] COCHISE COUNTY, ARIZONA, PLATE [illegible]

UNKNOWN, CIRCA 1955 PROBABLY A NEWMONT MINING CO. GEOLOGIC AND ALTERATION MAP, WITH SURFACE PROJECTION OF UNDERGROUND MINE WORKINGS, PLOTTED ON A USGS TOPO MAP OF TOMBSTONE ARIZONA AND VICINITY TOPOGRAPHIC MAP, 1988, REPRINTED 1948, CONTOUR INTERVAL 10 FEET. FROM THE FILES OF THE TOMBSTONE DEVELOPMENT COMPANY, INC.

INDEX MAP 1992 PHOTOGRAPHY & PHOTOGRAMMETRY (SHADING SHOWS SHEETS EXTANT AS OF THIS DATE)

1	2	3
4	CONTENTION SHEET 5	6
7	GRAND CENTRAL 8	9
10	11	12
13	14	15

ZONE 1

APPROXIMATE MEAN DECLINATION, 1988 — 12° — TRUE NORTH — MAGNETIC NORTH

PREPARED BY: JABA INC. TUCSON, ARIZONA		
TYPE	AUTHORS LIST	DATE
GEOLOGY	JAMES A. BRISCOE	
PROPERTY	T.E.W. Jr.	
TOPOGRAPHY	THE ORTHO SHOP	
SURVEY	A–TEAM SURVEYORS	
CADD	GARY M. BLACHARSKI	12/05/93
APPROVED	J.A.B.	05/01/94

TOMBSTONE, ARIZONA
COCHISE COUNTY
CONTENTION SHEET No 5
WITH MINE WORKINGS

200 100 0 400
SCALE 1" = 200' CONTOURS AT 5'

PREPARED FOR: Tombstone Development Co. (TDC) Inc.
P.O. BOX 1445
Grand Island, Nebraska

COUNTRY: U.S.A. STATE: ARIZONA COUNTY: COCHISE
MOUNTAIN RANGE: TOMBSTONE HILLS
MINING DISTRICT: TOMBSTONE
USGS QUAD SHEET(S): TOMBSTONE, Az 7 1/2 MIN.

CAD No	REV DATE	DWG NUMBER	REV
TMD–05B2	06/17/94		6