

CHECK CALCULATIONS FOR Aug 01, 1988 SURVEY

1/3  
Baker Mine  
830348

	N	E
MS 'A'	6580.02	38332.57
MS 'D'	6154.41	41,567.24
Δ	425.61	3234.67

$$\theta = 90^\circ + \arctan \frac{425.61}{3234.67}$$

$$\theta = 97^\circ 29' 45''$$



$$\alpha = \arctan \frac{425.61}{3234.67}$$

$$\theta = 90^\circ + \alpha$$

	N	E	ELEV
MS 'A'	2005.59 <sub>m</sub>	11,683.77 <sub>m</sub>	1775.70 m

$$\text{NORTHING} = 2005.59 + \text{HD} \cos \theta$$

$$\text{EASTING} = 11,683.77 + \text{HD} \sin \theta$$

BS MSD  
Δ MSA  
FS FUBAR

$$\text{HD} = 1455.378$$

$$\text{VD} = 195.557$$

$$\text{HA} = 218-14-34$$

N	=	3047.878
E	=	10,668.014
EL	=	1,971.257

FS TOP OF HILL

$$\text{HD} = 1326.633$$

$$\text{VD} = 192.844$$

$$\text{HA} = 212-15-26$$

N	=	2853.965
E	=	10,663.844
EL	=	1968.544

FS 'C' DDH SITE

$$\text{HD} = 586.086$$

$$\text{VD} = 34.807$$

$$\text{HA} = 206-44-39$$

N	=	2335.358
E	=	11,199.260
EL	=	1810.507

F.S. C 000/000

HD = 538.240  
VD = 7.535  
HA = 206-27-15

N = 2306.245  
E = 11,237.330  
EL = 1783.235

F.S. WEST CHAPPELLE DDH

HD = 1224.440  
VD = -18.982  
HA = 136-20-23

N = 1283.042  
E = 10695.247  
EL = 1756.718

F.S. TAILINGS POND

HD = 1453.181  
VD = -256.237  
HA = 60-13-34

N = 660.882  
E = 12,234.674  
EL = 1519.463

F.S. PUMP HOUSE

HD = 777.834  
VD = -225.276  
HA = 85-34-28

N = 1228.873  
E = 11642.109  
EL = 1550.424

FS M88-02

HD = 881.883  
VD = 88.608  
HA = 327-36-01

N = 2376.949  
E = 12483.652  
EL = 1864.308

FS M88-03

HD = 819.623  
VD = 62.461  
HA = 326.5059

3/3

N = 2360.440  
E = 12422.596  
EL = 1838.161

FS M88-04, -05

HD = 806.944  
VD = 65.396  
HA = 331-33-15

N = 2294.115  
E = 12437.369  
EL = 1841.096

FS M88-01

HD = 753.629  
VD = 35.674  
HA = 326-37-17

N = 2334.573  
E = 12361.802  
EL = 1811.374

FS M88-06

HD 675.370  
VD 0.842  
HA 330-28-50

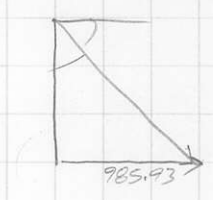
N = 2258.846  
E = 12309.858  
EL = 1776.542

FS M88-07

HD = 656.850  
VD = -6.659  
HA = 330-45-09

N = 2249.008  
E = 12293.852  
EL = 1769.041

		North	East	Elev
BS	MS 'D'	6154.41	41567.24	
Δ	'A'	6580.02	38,332.57	5825.8
BS	'D'	1875.86	12,669.70	
Δ	'A'	2005.59 -	11,683.77 ✓	1775.7
		-129.73	985.93	



$$\tan^{-1} \left( \frac{985.93}{-129.73} \right) =$$

$$97^{\circ} 29' 46''$$

Az str - Bs.

FS

Fubar ??

HD = 1455.378  
 VD = 195.557  
 HA = 218-1A-34



$$\cos \theta = \frac{N}{HD}$$

$$N = HD \cos \theta$$

$$E = HD \sin \theta$$

$$N = 3047.881$$

$$E = 10,668.017$$

$$Elev = 1971.257$$

FS

Top 'o' Hill

HD = 1326.633  
 VD = 192.844  
 HA = 212-15-26

$$N = 2853.940$$

$$E = 10663.847$$

$$Elev = 1968.544$$

FS DDH site 'C'

2/4

HD = 586.086

VD = 34.807

HA = 206-44-39

N = 2335.359  
E = 11,199.261  
Elev = 1810.507

FS ~~C 00/00~~ West Chappelle

HD = 122A.440

VD = -18.982

HA = 136-20-23

N = 1283.045  
E = 10695.245  
Elev = 1756.718

FS C 00/00

HD 538.240

VD 7.535

HA 206-27-45

N = 2306.247  
E = 11237.331  
Elev = 1783.235

### FS Tailings Pond.

HD 1453.181  
 VD -256.237  
 HA 60-13-34

N = 660.880  
 E = 12234.670  
 Elev = 1519.463

### FS Pump House

HD 777.834  
 VD -225.276  
 HA 85-34-28

N = 1228.873  
 E = 11642.106  
 Elev = 1550.424

### FS M88-02

HD 821.883  
 VD 88.608  
 HA 327-36-01

N = 2376.946  
 E = 12483.652  
 Elev = 1864.308

### FS M88-01

HD 819.623  
 VD 62.461  
 HA 326-50-59

N = 2360.438  
 E = 12422.597  
 Elev = 1838.161

FS

M88-06

4/4

HD 675.370

VD 0.842

HA 330-28-50

N = 2258.844

E = 12309.859

Elev = 1776.542

FS

M88-07

HD = 656.850

JD = -6.659

HA = 330-45-09

N = 2249.007

E = 12293.852

Elev = 1769.041

T KLI  
I CVB

Aug 1<sup>st</sup> 1988

HT = 1.57

HD = HI

BS MS 'D' 0-00-00

A MS 'A'

FS ~~Top of Hill~~ - Fubar

HD 1455.378

VD 195.557

HA 218 14 34

FS Top of Hill

HD 1326.633

VD 192.844

HA 212 15 26

FS BDH site

\* HA 206 44 39

VD 3A.807

\* HD 586.086





EASTING  $HD \sin \theta$   
NORTHING  $HD \cos \theta$

FS

C00/00

HD 538,240

VD 7.535

HA 206 27 45

FS

West Chappelle

HD 1224,440

VD -18,982

HA 136 20 23

FS

Tailings Pond

HD 1453,181

VD -256,237

HA 60 13 34

FS

Pump House

HD 777,834

VD -225,276

HA 85 34 28

FS

M88-02

HD	881	883	
VD	88	608	
HA	327	36	01

FS M88-03 ~~04~~?

HD	819	623	
VD	62	461	
HA	326	50	59

FS M88-03?

HD	806	944	
VD	65	396	
HA	331	33	15

FS M 88-04, & 05 ~~06~~

HD	753	629	
VD	35	674	
HA	326	37	17

FS

M88-06

HD 675.370

VD 0.842

HA 330 28 50

FS

M88-07

HD 656.850

VD -6.659

HA 330 45 09