

CONVERSION OF DIAMOND DRILLCOORDS TO FARO NINE COORDS

METHOD:

EX FARO NINE COORDS OF INTERSECTION OF DRILL SECTIONS 117+500E/9+200N

TABLE I GIVES FARO COORDS OF INTERSECTION OF 117E/9N

$$\Rightarrow \begin{array}{l} E \quad 13000 \\ N \quad 8000 \end{array}$$

TABLE II GIVES FARO COORDS OF INTERSECTION OF +500E / -200N

$$\Rightarrow \begin{array}{l} E \quad +7a \\ N \quad -3a \end{array}$$

NOW THE NINE COORDS CAN BE CALCULATED.

NINE EASTING = TABLE I EASTING + TABLE II EASTING

$$\begin{array}{l} \text{TABLE I EASTING} + 7a \quad \text{WHERE } a \text{ FROM TABLE II} \\ = 13000 + 494.974 \quad = 70.711 \end{array}$$

$$\underline{E = 13,494.974}$$

NINE NORTHING = TABLE I NORTHING + TABLE II NORTHING

$$\begin{array}{l} \text{TABLE I NORTHING} - 3a \quad \text{WHERE } a \text{ FROM TABLE II} \\ = 8000 - 212.132 \quad = 70.711 \end{array}$$

$$\underline{N = 7,787.868}$$

N.B. SEE TABLE II FOR CALCULATIONS OF 2a, -3a, 5a, etc.

TABLE I

CONVERSION OF DIAMOND DRILL LOGS TO FAN MINE LOGS

KEY
E
Y
L
O
N
G
S
E
C
T
I
O
N
S

KEY CROSS SECTIONS

	102 E	107 E	112 E	117 E	122 E	127 E	132 E	137 E	142 E
15	E 10500 N 8500	E 11000 N 8000	E 11500 N 7500	E 12000 N 7000	E 12500 N 6500	E 13000 N 6000	E 13500 N 5500	E 14000 N 5000	E 14500 N 4500
4N	E 11000 N 9000	E 11500 N 8500	E 12000 N 8000	E 12500 N 7500	E 13000 N 7000	E 13500 N 6500	E 14000 N 6000	E 14500 N 5500	E 15000 N 5000
9N	E 11500 N 9500	E 12000 N 9000	E 12500 N 8500	E 13000 N 8000	E 13500 N 7500	E 14000 N 7000	E 14500 N 6500	E 15000 N 6000	E 15500 N 5500
14N	E 12000 N 10000	E 12500 N 9500	E 13000 N 9000	E 13500 N 8500	E 14000 N 8000	E 14500 N 7500	E 15000 N 7000	E 15500 N 6500	E 16000 N 6000
19N	E 12500 N 10500	E 13000 N 10000	E 13500 N 9500	E 14000 N 9000	E 14500 N 8500	E 15000 N 8000	E 15500 N 7500	E 16000 N 7000	E 16500 N 6500
24N	E 13000 N 11000	E 13500 N 10500	E 14000 N 10000	E 14500 N 9500	E 15000 N 9000	E 15500 N 8500	E 16000 N 8000	E 16500 N 7500	E 17000 N 7000
29N	E 13500 N 11500	E 14000 N 11000	E 14500 N 10500	E 15000 N 10000	E 15500 N 9500	E 16000 N 9000	E 16500 N 8500	E 17000 N 8000	E 17500 N 7500
34N	E 14000 N 12000	E 14500 N 11500	E 15000 N 11000	E 15500 N 10500	E 16000 N 10000	E 16500 N 9500	E 17000 N 9000	E 17500 N 8500	E 18000 N 8000

TABLE II

CONVERSION OF DIAMOND DRILL HOLES TO FAN FINE WORKS
CROSS SECTIONS

$$a = 100 \times \frac{\sqrt{2}}{2} = 70.7106$$

$$d = d \times \frac{\sqrt{2}}{2}$$

where $d = \Delta$ 1ST
IN FEET FROM
KEY SECTION

L
O
G
S
E
C
T
I
O
N

	0	+100 F	+200 F	+300 F	+400 F	+500 F	+600 F	+700 F
0	E +0 N +0	F +a N -a	F +2a N -2a	F +3a N -3a	F +4a N -4a	F +5a N -5a	F +6a N -6a	F +500 N -500
+100 N	F +a N +a	F +2a N 0	F +3a N -a	F +4a N -2a	F +5a N -3a	F +6a N -4a	F +7a N -5a	F +500+a N a-500
+200 N	F +2a N +2a	F +3a N +a	F +4a N 0	F +5a N -a	F +6a N -2a	F +7a N -3a	F +8a N -4a	F +500+2a N 2a-500
+300 N	F +3a N +3a	F +4a N +2a	F +5a N +a	F +6a N 0	F +7a N -a	F +8a N -2a	F +9a N -3a	F +500+3a N +3a-500
+400 N	F +4a N +4a	F +5a N +3a	F +6a N +2a	F +7a N +a	F +8a N 0	F +9a N -a	F +10a N -2a	F +500+4a N +4a-500
+500 N	F +5a N +5a	F +6a N +4a	F +7a N +3a	F +8a N +2a	F +9a N +a	F +10a N 0	F +11a N -a	F +500+5a N +5a-500
+600 N	F +6a N +6a	F +7a N +5a	F +8a N +4a	F +9a N +3a	F +10a N +2a	F +11a N +a	F +12a N 0	F +500+6a N +6a-500
+700 N	F +500 N +500	F +500+a N +500-a	F +500+2a N +500-2a	F +500+3a N +500-3a	F +500+4a N +500-4a	F +500+5a N +500-5a	F +500+6a N +500-6a	F +1000 N 0

TABLE
III

$a = 70.711$	$4a = 282.842$	$7a = 494.974$	$10a = 707.107$	$100-a = 29.289$	$300-4a = 17.158$
$2a = 141.421$	$5a = 353.553$	$8a = 565.685$	$11a = 777.817$	$200-2a = 58.579$	$400-5a = 46.447$
$3a = 212.132$	$6a = 424.264$	$9a = 636.396$	$12a = 848.528$	$300-3a = 87.868$	$500-6a = 75.736$