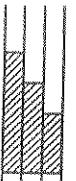
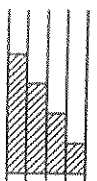


TOTAL ENERGOLD CORPORATION

DRILL LOG

PROJECT CLEAR LAKE	GROUND ELEV. 706.95m	DRILL CALCULATIONS/HOLE SUMMARY																																																																																	
HOLE No. 91-52	BEARING 270.53°	PURPOSE: fill in drilling; to intersect unit A between holes 79-19 & 79-20 for tighter grade control on ore block																																																																																	
LOCATION 61329.91 N 492020.19 E	DIP -59.72°	REASON FOR SHUT DOWN: successful hole, intersected target; no further significant mineralization 9m past target (massive sulphide unit A.)																																																																																	
	TOTAL LENGTH 297.79m	PERTINENT GEOLOGY: 0-7.27m Overburden 7.27-16.30 C2c Argillite (major sand bands) 16.30-175.87 C2b Argillite (minor sand bands) 175.87-195.42 C2c Argillite 195.42-197.93 KTF Felsite Dyke 197.93-201.50 C2a Argillite (massive) 201.50-202.31 C5 Lapilli Tuff 202.31-214.37 C2d Argillite (py. sink, silicified)																																																																																	
LOGGED BY RICK ZURAN	HORIZONTAL PROJECT 143.1806	214.37-288.40 A Massive Sulphide 217.20-219.26 5% sph, 2% gr 240.00-242.75 7% sph (sporadic frags) 261.00-272.00 6-6% sph 273.00-280.50 8-1% sph, trace gr 284.00-285.00 21.2% sph, trace gr 285.90-287.25 17.9% sph, trace gr																																																																																	
DATE JULY 1 st 1991	VERTICAL PROJECT -260.9885																																																																																		
CONTRACTOR KLUANE DRILLING	ALTERATION SCALE																																																																																		
CORE SIZE NQ																																																																																			
	absent	slight																																																																																	
DATE STARTED JUNE 25 th 1991	moderate																																																																																		
	intense																																																																																		
DATE COMPLETED JUNE 28 th	TOTAL SULPHIDE SCALE																																																																																		
DIP TESTS 207' 68.09m -58.7° 407' 124.05m -62.0° 607' 185.01m -62.2° 807' 245.97m -62.5°																																																																																			
	< 1%	1%—5%																																																																																	
	5%—25%	25%—50%																																																																																	
	< 50%																																																																																		
<div><div>PLAN PLOT</div><div>LONGITUDINAL PLOT</div><div>SECTION PLOT</div></div> <table><thead><tr><th>LENGTH</th><th>AZIMUTH</th><th>DIP</th><th>HORZ</th><th>ELEV</th><th>DIST FROM BL</th><th>SECTION</th><th>SEC OFFSET</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>0.00</td><td>270.53</td><td>-59.72</td><td>0.00</td><td>706.95</td><td>20.19 E</td><td>630.0</td><td>0.09 S</td><td>COLLAR</td></tr><tr><td>19.30</td><td>270.53</td><td>-59.72</td><td>9.73</td><td>690.29</td><td>10.46 E</td><td>94.0</td><td>0.00 N</td><td>CL-SECTION</td></tr><tr><td>31.55</td><td>270.53</td><td>-58.70</td><td>15.91</td><td>679.71</td><td>4.38 E</td><td>94.0</td><td>0.06 N</td><td>DIP CHANGE</td></tr><tr><td>93.57</td><td>270.53</td><td>-62.00</td><td>48.13</td><td>626.71</td><td>27.94 N</td><td>94.0</td><td>0.36 N</td><td>DIP CHANGE</td></tr><tr><td>154.53</td><td>270.53</td><td>-62.20</td><td>76.75</td><td>572.89</td><td>56.55 N</td><td>94.0</td><td>0.62 N</td><td>DIP CHANGE</td></tr><tr><td>215.49</td><td>270.53</td><td>-62.50</td><td>105.18</td><td>518.96</td><td>84.98 N</td><td>94.0</td><td>0.88 N</td><td>DIP CHANGE</td></tr><tr><td>297.79</td><td>0.00</td><td>0.00</td><td>143.18</td><td>445.96</td><td>122.98 N</td><td>94.0</td><td>1.23 N</td><td>END OF HOLE</td></tr></tbody></table>												LENGTH	AZIMUTH	DIP	HORZ	ELEV	DIST FROM BL	SECTION	SEC OFFSET	DESCRIPTION	0.00	270.53	-59.72	0.00	706.95	20.19 E	630.0	0.09 S	COLLAR	19.30	270.53	-59.72	9.73	690.29	10.46 E	94.0	0.00 N	CL-SECTION	31.55	270.53	-58.70	15.91	679.71	4.38 E	94.0	0.06 N	DIP CHANGE	93.57	270.53	-62.00	48.13	626.71	27.94 N	94.0	0.36 N	DIP CHANGE	154.53	270.53	-62.20	76.75	572.89	56.55 N	94.0	0.62 N	DIP CHANGE	215.49	270.53	-62.50	105.18	518.96	84.98 N	94.0	0.88 N	DIP CHANGE	297.79	0.00	0.00	143.18	445.96	122.98 N	94.0	1.23 N	END OF HOLE
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[illegible]

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GEOLOGICAL DESCRIPTION

ALTERATION

Si	Ca	Al
A	B	C

FRACT
INTENSITYMINERALIZATION
DESCRIPTIONTOTAL
SULPHIDE

INTERVAL

WIDTH

ASSAY
NUMBER

%

Ag

%

Pb

%

Zn

COMPOSITE
ASSAYS

A MASSIVE SULPHIDE (CONT'D)

240.00-242.75 Sporadic lumps of up to 4% (241.60) of fine grain masses of blackjack, heavy sph. locally diss. euhedral and along interstitial interfaces as well as replacing py.

242.75-248.00 Low grade zone of 3.92 sph (up to 7% @ ~244.20m) occurring as coarse grain diss. within and along interstitial crevices; host rocks locally fine grain blackjack breccia to heavy sph in irregular masses - latter part of interval (246.00-248.00)

248.00-253.00 Sporadic sph values averaging 1% (up to 5% @ ~252.50m) occurring as blackjack medium grain diss.

253.00-255.00 3.8% avg. v. fine diss. of blackjack sph along interstitial interfaces & fine grain irregular masses.

(245.00-250.00)

up to 30% interstitial areas of silicified argillite

243.90
-247.70
(4.00m)

Ag 12.5

Pb 1.24

Zn 6.53

244.70

-247.70
(3.00m)

Ag 19.6

Pb 1.12

Zn 7.12

↓

GEOLOGICAL DESCRIPTION

ALTERATION

Si Ca gds
A B CFRACT
INTENSITYMINERALIZATION
DESCRIPTIONTOTAL
SULPHIDE

INTERVAL

WIDTH

ASSAY
NUMBER

ppm

%

%

Ag Pb Zn
(includes assay)COMPOSITE
ASSAYS

A MASSIVE SULPHIDE (Cont'd)

255

260

265

270

261.00-272.00 Lowgrade zone of 6.6%
(avg) sph. with local highs of 25%
(267.00-268.60m) occurring as: H. breccia
fine grain overprinting (replacement) irregular
masses; blss. blackjack and bouch sph
diss. along fracture surfaces.

255-257

2.00

6047

3.5

0.06

0.43

257-259

2.00

6048

<0.1

0.07

0.27

259-261

2.00

6049

1.7

0.03

0.23

261-263

2.00

6050

2.7

0.11

0.44

263-265

2.00

6051

6.1

0.22

1.89

265-268.85

1.85

6052

6.5

0.23

2.82

266.85-268.15

1.20

6053

40.6

0.26

12.10
(12.01)

268.05-270.00

1.95

6054

8.6

0.38

2.53

