

MAP NO.: ASSESSMENT REPORT X
 PROSPECTUS
 116 B 8 CONFIDENTIAL X
 OPEN FILE

DOCUMENT NO: 092792
MINING DISTRICT: Dawson
TYPE OF WORK: Diamond Drilling

REPORT FILED UNDER: Total Energold Corporation Ltd.

DATE PERFORMED: August 26 - September 21, 1989

DATE FILED: November 22, 1989

LOCATION: LAT.: 64° 18'N

AREA: Antimony Mountain

LONG.: 138° 45'W

VALUE \$: 9600.00

CLAIM NAME & NO.: CON 1-6 YA 65434-377
 JA 1-36 YA 87874-879

WORK DONE BY: R. Basnett

WORK DONE FOR: Total Energold Corporation Ltd.

DATE TO GOOD STANDING:

REMARKS: #73 OBRIEN Six diamond drill holes were drilled using 156 feet of casing, totalling 297 feet of BQ core and 2021 feet of NQ core for a total cost of \$19,050. Logs and assays are supplied with this report.

TOTAL ENERGOLD CORPORATION

#21-1114 First Ave
Whitehorse, Yukon
Y1A 1A3

Nov 17, 1989

Dawson Mining Recorder
R.H. Whittingham
Box 249
Dawson, Yukon
Y0B 1G0



Sir:

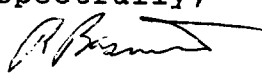
Re: Application for Diamond Drilling work on the Con 1-6 and JA 1-36 claims.

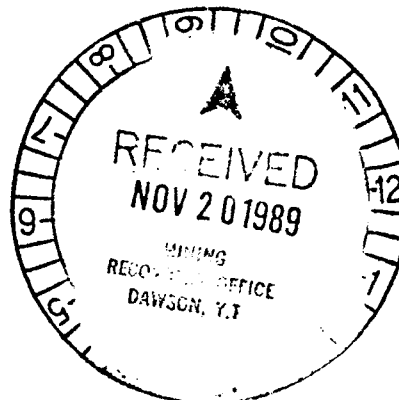
On September 21, 1989 an APPLICATION FOR A CERTIFICATE OF WORK was submitted to your office to renew the CON and JA claims. Diamond drilling was carried out on the CON 4 & 6 claims between August 26 and September 21, 1989; therefore; at the time of the submittal of FORM 4 core assays were not available.

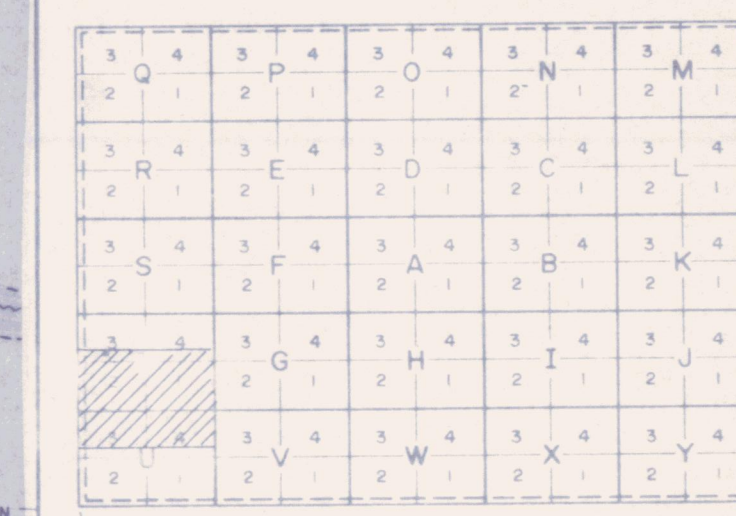
Two copies of the drill logs, complete with assays, are enclosed along with 2 copies of a plan showing the holes numbered 89-007 to 89-012. These holes include: 156 ft. of casing, 297 ft. of BQ coring, and 2021 ft. of NQ coring. The total allowable cost for coring is well in excess of \$19,050. All of the core for this drilling is stored at the drill site.

A report to accompany the work submitted on the TOOTH, BUZ, and HUD claims will be sent at the end of the month. Thank you.

Respectfully,

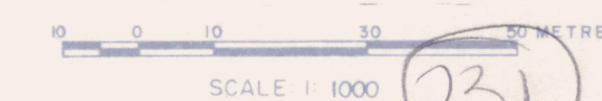

Richard Basnett
Manager, Exploration
Yukon





ENLARGEMENT OF AREA 3

SYMBOLS

**TOTAL** ENERGOLD CORPORATION

116 B 8
O'BRIEN PROJECT

Drill Hole Locations on
the CON 4 & 6 CLAIMS

Project Name O'BRIEN Project No. _____
Latitude _____ Longitude _____
Mining Division _____ NTS _____
To accompany a report by _____
Alpha No. _____ Drawing No. _____
Date _____ Map No. 3-T, U

1482792

LEGEND

DIOR Fine to medium-grained, plagioclase porphyritic hornblende diorite to quartz-monzonite.

DI/D Fine-grained, hornblende and hornblende-biotite diorite dyke..

CGWK Fine-grained, laminated to thin bedded calcareous greywacke and siltstone with minor interbedded calc-arenite.

CSSD Medium to coarse-grained, massive calcarenite with intercalated calcareous siltstone and calcilutite.

LST Massive limestone.

SHL Fissile, green, grey and red coloured shale.

MGWK Fine to medium-grained, laminated to thin bedded meta-greywacke, argillite, and minor quartzite. Upper greenschist facies with local hornfel facies metamorphic grade.

MQTZ Fine to coarse-grained, massive to poorly bedded quartzite. Typically recrystallized hornfel facies.

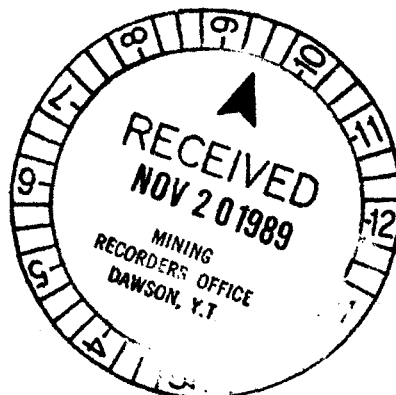
GRIT Medium to coarse-grained, quartz-rich, massive arkose and greywacke..

SKRN Fine-grained to aphanitic, pink and green banded calc silicate skarn..

ABBREVIATIONS

as arsenopyrite
az azurite
cal calcite
cpy calcopyrite
ml malachite
py pyrite
po pyrrotite
qz quartz
sc scorodite
sb stibnite
tm tourmaline

alt alteration
br breccia
diss disseminated
repl replacement
vn vein



MINERALIZED VEIN TEXTURES

- MSSV** Massive arsenopyrite-chalcopyrite-pyrite-tourmaline quartz vein.
- DSSV** Massive quartz and/or tourmaline with disseminated arsenopyrite-pyrite+chalcopyrite.
- BSSV** Massive arsenopyrite-pyrite+chalcopyrite forming alternating bands.
- BRSV** Brecciated vein quartz with tourmaline and disseminated arsenopyrite-pyrite matrix.

TOTAL ENERGOLD CORPORATION
DIAMOND DRILL LOGS

CON 4 & 6 Claims

DAWSON MINING DISTRICT

AUG.25 - SEPT.21, 1989

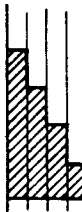
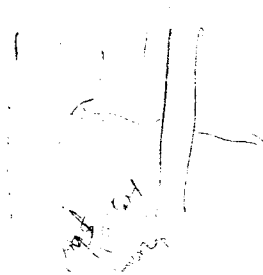
092792

----- PLAN PLOT -----				----- LONGITUDINAL PLOT -----				----- SECTION PLOT -----	
LENGTH	↓ AZIMUTH	DIP	↓ HORZ	↓ ELEV	↓ DIST FROM BL	↓ SECTION	↓ SEC OFFSET	DESCRIPTION	
0.00	337.00	-45.00	0.00	1392.00	59.86 S	4.0 E	5.92 W	COLLAR	
23.82	337.00	-45.00	16.84	1375.16	44.36 S	3.0 E	13.00 W	X-SECTION	
→ 68.01	337.00	-45.00	48.09	<u>1349.91</u>	15.59 S	3.0 E	0.29 E	HW-XAJ VEI	
68.60	337.00	-46.00	48.50	1343.50	15.21 S	3.0 E	0.13 E	DIP CHANGE	
69.08	337.00	-48.00	48.83	1343.13	14.91 S	3.0 E	0.00 E	CL-SECTION	
→ 70.50	337.00	-48.00	49.78	<u>1342.02</u>	14.04 S	3.0 E	0.37 W	FW-XAJ VEI	
116.90	337.00	-48.00	80.82	1307.60	14.54 N	2.0 E	13.00 W	X-SECTION	
117.37	337.00	-48.00	81.14	1307.25	14.83 N	2.0 E	12.38 E	HW-XJSSV	
117.47	337.00	-48.00	81.21	1307.17	14.89 N	2.0 E	12.35 E	FW-XJSSV	
144.21	0.00	0.00	99.10	1287.30	31.36 N	2.0 E	5.36 E	END OF H2	

TOTAL ERICKSON RESOURCES LTD.

MINERALS SECTION

DRILL LOG

PROJECT <i>O'Brien</i>		GROUND ELEV.	Altimeter <i>1392</i>
HOLE No. <i>AJ-89-7</i>		BEARING <i>337</i>	
LOCATION	<i>Taped collar location</i> <i>32065.04 N</i> <i>37838.68 E</i>	DIP <i>measured in field 40°50'</i>	
		TOTAL LENGTH <i>144.21 m</i>	
LOGGED BY <i>B. MacDonald & R. Pelletier</i>		HORIZONTAL PROJECT	
DATE <i>Start 27 August 1989.</i>		VERTICAL PROJECT	
CONTRACTOR <i>DJ</i>		ALTERATION SCALE  absent slight moderate intense	
CORE SIZE <i>NG</i>			
DATE STARTED <i>27 August 1989.</i>		TOTAL SULPHIDE SCALE  traces only < 1% 1% - 3% 3% - 10%	
DATE COMPLETED			
DIP TESTS <i>45° uncorrected = 56.5 corrected = 48°</i>		< 1% 1% - 3% 3% - 10% > 10%	
COMMENTS		LEGEND	
			

meta greywacke
MGWK

Sx - 1 = 0.1
2 = 1.5
3 = 5.4
4 = 4.9
5 = 1.50
6 = 3.99

PAGE 1		OF 8		PROJECT: O'Brien		HOLE No. 89-007					
DEPTH (METRES)	% CORE RECY	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	SK. PL. D. (mm)
					Tourmalin A	Ag B	Si C	Pz D	E		
				OVBD casing to 6ft 1.83m							
				0.0 - 1.70m							
5	10	MGWK									
	90			1.7 - 4.08m							
	0	D/D									
	30										
10	90	MGWK									
					</						

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS	
					ppb	ppm	ppm			As	
	</										

DEPTH (METRES)	% alteration	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					tm A	ag B	sil C	ph D	E			
40			Δ Δ	30.09-30.47 gte as above intense alteration up to								
	10	GRIT	Δ Δ	2% py in fracture filling								
			Δ Δ	32.28-33.64 ^{silicified} textureless tourmalinization in frags								
			Δ Δ	intense alteration								
45		MGWK	Δ	35.00-44.7 Med-coarse-grained, poorly sorted, granitic (GRIT)								
	55	GRIT		qtz frags, blundy subrounded, common silicified								
		MGWK	Δ Δ	and phylactically altered to mm-cpx, py fills space								
	0		Δ Δ	fractures (320+ca) white to green-grey colored								
			Δ	(70 20 5 %)								
50	40			39.7 - gte, tm, apy vein (~2cm) (30% tourmaline content)								
	46	GRIT		40.82-41.87 MGWK green-grey								
	60			41.2-41.21 qtz (50%), py (40%), tm (10%),								
				apy, cpx, chl (minor) vuggy vein								
55	20	MGWK		44.7-45.68 MGWK - dark green/grey, fine grained								
	60			45.68-46.96 GRIT - light green, med-grained, 30-35% qtz								
				frags in far mix								
60	60			46.96-48.65 MGWK - fine grained, dk green, with thin								
				intercalated ssd beds (<2cm)								
	6	MTZ	Δ Δ Δ	47.26-47.7 minor (<1%) py stringers								
			Δ Δ	48.65-52.9 GRIT as above								
65	20			52.9-56.5 MGWK minor thin (3-5cm) gwk layers								
				57.25-57.93 LOST 52.9-53.4 py stringers								
	30			56.5-67.02 MTZ white to green-grey, fine-grained								
				59.99-62.15 LOST intensely sericitized								
	20			66.14-67.07 LOST 57.9-58.5 minor qtz, py stringers								
70	70	15 vein		67.07-67.75 MTZ intensely arg altered								
				minor argillite								
	60	MTZ LOST		67.75-68.01 MTZ py stringers up to .5cm								
				intensive argillitic alt								
75	20	MTZ	Δ Δ	69.01-70.50 * A.J. Vein * zone of bands, bi-grt -								
	30			tour - ss veins with intervals of silicified gte								
				(see sampling detail)								
	30			70.50-70.73 MTZ sparse tm stringers & 2 qtz-tm-py veins								
				0.5cm wide each								
	0	LOST		70.73-71.0 LOST								
		MTZ		71.00-77.42 MTZ phyl alteration sparse tm stringers								
80			Δ Δ Δ	2cm wide gte py aspx vein (10m)								

PAGE 4 OF 8		PROJECT: O'Brien					HOLE No. 89-007					
MINERALIZATION DESCRIPTION		TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	As	COMPOSITE ASSAYS
35.98-36.43 - Int sil grit w stringers of apy, tour, py, extremely rubbled			46	0.45	4565	Tr	2.0	0.02	Tr	Tr	Tr	
36.40-36.90 - Int sil schist ~5% 1-2mm wide stringers of apy, py, tour				.3	4566	0.012	3.3	0.06	Tr	Tr	Tr	
39.7-39.85 - 2cm wide gtz py cpy apy vein w vugs			45	0.15	4567	0.008	2.6	0.02	Tr	Tr	0.12	
41.11-41.25 - 1cm wide vuggy py gtz apy cpy vein w tour salinized and tour alteration envelope 3mm into wallrock				0.14	4568	0.024	3.4	0.06	Tr	Tr	0.19	
42.45-42.54 - 0.5cm vuggy py gtz apy cpy vein			50	0.09	4569	Tr	2.7	0.08	Tr	Tr	Tr	
42.54-42.73 - Sil grit, phyllic alt (weak), trace tour along frac				0.19	4570	20	Tr	Tr	Tr	Tr	Tr	
44.04-44.26 - Stockwork gtz veins Kitting w/ky Sil grits, trace diss tour			55	0.24	4571	28	0.3	Tr	Tr	Tr	Tr	
45.01-45.10 - 1.5cm wide py, apy to vein w acie tour Kitting, schist				0.09	4572	Tr	4.8	Tr	Tr	Tr	Tr	
67.01-68.01 MASH Hamman sample site (20%)				1.10	4584	32	Tr	0.03	Tr	Tr	0.22	
68.01-68.25 - 75% tour w/ aspy stringers 1-3cm wide py stringers 0.5-1cm, stringers have tourmaline alt. holes ~1mm, Brn gtz frings			60	0.24	4573	1.76	0.06	0.09	Tr	Tr	6.06	
0.5-2cm gm comp of 68.25-68.54 MSSX 80% Aspy as cascade radiating xtals 0.5x1.5cm in bands 4-7cm wide, 20% Py fine gr mass as matrix to aspy xtals, 2% gtz in matrix. Minor fine gr tm clots throughout 0.25-5cm across. Tr cpy			65	0.29	4574	3.19	0.34	0.15	0.03	Tr	8.43	
68.54-68.78 MSSX 75% py fine gr mass with interstitial tm (5%), 2% cpy occurs along late gtz stringers which cross-cut interval. Qtz 18% as anastomosing fractures cutting interval			70	0.24	4575	0.012	0.59	0.26	Tr	0.02	0.39	
Interval has vuggy texture vugs < 5mm				0.14	4576	0.272	0.34	0.14	0.01	0.01	7.56	
68.78-68.92 Aspy 45% xtals 3-5mm massive texture in bands up to 5cm. Py 30% Qtz 25% cpy 2% from bands up to 3cm alternating with aspy as well as clots in aspy.			75	0.19	4577	0.04	0.25	0.18	Tr	Tr	2.42	
68.92-69.11 MSSX intermixed fine gr Py (55%) Qtz (25%), Asp (10%), cpy (5%) vugs (5%). Irregular shaped mineral grains grains < 1mm across except aspy (2mm)												

AT vein

DEPTH (METRES) R.O.D	% Core Rec'd	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					Tm A	Arg B	Sil C	Ph D	E			
				77.42-77.52 LOST								
80	10	MATZ		77.52-78.05 MATZ								
	50			76.92-77.29 MGWK layer in gteite weakly brn ~ 2%								
				dis. py.								
				78.05-78.50 DI/D as above								
				78.5-81.94 MATZ as above								
	10	MGWK		81.0-81.1 pyrite/magnetite irregular shapes 1-3cm, minor tm								
				fracture fillings								
	30	LOST MATZ		81.94-86.80 MGWK - as above w/ gteite beds up to 0.4m								
				82.01-82.28 brn zone w/ gte stringers around frags								
				dipping 46° TCA								
90	0			86.80-87.03 MATZ as above								
				87.03-87.31 LOST								
				87.31-90.95 MATZ - as above local intense alteration focal								
				tm gte stringers								
				90.95-97.35 MGWK as above local intense tm associated								
				w/ gte-py stringers at top contact 90.95-91.60								
95	40			92.20-92.85 intense brn w/ gte-chl infillings & stringers								
				gteite frags in brn up to 5cm x 7cm. Random vein orientation.								
				97.35-103.64 MATZ - at upper contact 97.35-97.47 tm gte								
	10			stringer 2cm wide.								
				97.9-98.25 intense tm alteration in rock.								
	20			100.56-102.5 Arkosic sandstone internal finegr.								
				felds-gte sst. frags 65% matrix 35%, tan colour								
	30	DI/D		102.5-103.64 minor tm filled fracts (chlorite also)								
105				oriented 45° TCA								
				103.64-104.55 DI/D Plag phenos 1mm - 1cm 35% otherwise similar to								
				other DI/D.								
	10			104.55-104.85 MATZ								
				104.65-104.99 LOST								
	40			104.99-105.70 MATZ								
110				105.70-106.03 LOST								
				106.03-115.48 MGWK as above w/ local tm-gte str 1-5mm wide								
				GRIT noted.								
	30			109.40-110.50 intense silicified + gte veins up to 5cm oriented								
				(ascending)								
				49° TCA Pyrite pods and stringers								
115				112.10-115.48 MGWK less schistose more massive equigranular								
	20	LOST MGWK		115.48-115.85 LOST								
				115.85-117.07 MGWK as above								
				117.07-117.37 LOST								
	10	LOST		117.37-117.47 MSSV - massive fgy py (65%), Aspy (10%), cpy (5%), gte (10%)								
				tm (10%) minor chl.								
120				117.47-118.69 LOST								

PAGE 6 OF 8		PROJECT: O'Brien					HOLE No. 89-007				
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	As	COMPOSITE ASSAYS	
69.11-69.68 Intermixed Qtz 50%, Py 25% Aspy 20%, + chyl(?) 2-3m grainy aspy occur in 8cm x 3cm lense in center of interval, lens enclosed by fine gr py & Qtz			0.57	4578	0.12	0.09	0.05	Tr	Tr	5.3	
69.68-70.10 Intermixed py (65%) Qtz (25%) tm (10%), 3x4 cm pool of brx Qtz with tm matrix in interval, Qtz also forms 5x1cm pods enclosed in mssv py.			0.42	4579	0.014	0.37	0.20	Tr	0.01	0.54	
70.10-70.29 Intermixed med gr aspy 3-5mm (45%) Py (35%), (Qtz 15%) tm (5%), Mssv aspy band 4.5cm wide in center of interval other minerals fine gr mssv Dne 3cm mssv Qtz band in interval			0.19	4580	0.896	0.26	0.14	0.02	Tr	7.17	
70.29-70.50 Sx BX Qtz & frings 2-7cm in py Qtz tm groundmass, 5cm wide aspy-py band cuts interval			0.21	4581	0.086	0.08	0.13	Tr	0.01	3.87	
70.50-70.73 MQTZ sparse tm stringers			0.23	4582	17	Tr	Tr	Tr	0.01	0.09	
71.00-71.44 MQTZ " " "			0.44	4583	12	0.4	0.01	Tr	Tr	0.46	
71.58-71.69 4cm wide tm ¹⁵ py & qtz vein, banded text, aspy Qtz 25%, py (15%) 3mm bands, Qtz (5%) aspy, minor aspy aspy with py bands.			0.11	4585	274	0.9	0.03	Tr	Tr	0.31	
72.54-72.73 silic Qtz cont. 2cm wide vein as above			0.19	4586	34	0.04	0.01	0.01	0.01	0.10	
73.23-73.42 sil brx Qtz cont. 1cm Qtz) py & chl vein			0.19	4587	34	0.2	0.02	Tr	0.01	0.62	
80.04-80.18 MQTZ w/ Qtz & tm stringers ~10% up to 2m across			0.14	4590	37	0.6	Tr	Tr	Tr	Tr	
80.92-81.16 MQTZ w/ py & tm pods 1cm x 3cm also up to 2cm wide Qtz-tm-py stringers.			0.24	4591	22	0.4	0.01	Tr	Tr	Tr	
82.01-82.31 MGWK brx by Qtz veins 0.5-1.5cm wide			0.3	4592	37	Tr	Tr	Tr	Tr	Tr	
90.96-91.58 MGWK intense tmization w/ aspy Qtz stringers up to 3cm wide 10% of interval tm = 60%		*TS	0.62	4593	42	.8	Tr	Tr	Tr	0.17	
92.41-92.82 intense sil MGWK random Qtz str up to 1cm wide (10%) tm & py str <1mm (5%)			0.41	4594	40	1	Tr	Tr	Tr	Tr	
109.54-110.46 MGWK with Grit bed intensely sil py (10%) stringers & pods			0.92	4595	24	Tr	Tr	Tr	Tr	Tr	

As = 4.45
As = 0.4
0.25
0.66
2.49
As Vein
(1.53+)

As = 4.45
 0.4
 0.25
 0.66
 2.44
 (1.534)
 Vein
 AS

*
 T.S.
 89-30

[illegible]

PAGE 8 OF 8		PROJECT: O'Brien		HOLE No. 007								
MINERALIZATION DESCRIPTION		TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% ppb Au	% ppm Ag	% Cu	Pb	Zn	As	COMPOSITE ASSAYS
112.66-112.77 MGWK w/ qtz-py-tm vein 3cm wide py (10%) tm (5%) qtz 85% pyrite blebs up to 1/2cm across			120	0.11	4596	24	Tr	Tr	Tr	Tr	Tr	
114.93-115.04 MGWK w/ intense tm replacement (10%) (5%) tm (60%) qtz-py stringers				0.11	4597	28	.1	Tr	Tr	Tr	Tr	
115.94-117.10 MGWK intense phyl alt. w/ local qtz stringers & pods & tm filled fracts				1.16	4598	21	.6	Tr	Tr	Tr	Tr	
117.37-117.40 NSSV py fr. massive 60% with brecciated matrix filled by more pyrite & qtz + ss py. Turmaline pods up to 2cm enclosed in ss matrix. Vuggy texture			130	0.10	4597	(411)	Tr	0.21	Tr	0.01	0.67	
118.69-119.43 MGWK intense phyl alt.				0.74	4600	49	Tr	Tr	Tr	Tr	0.16	
119.43-120.44 MGWK " " " local qtz-py-tm stringers				1.01	4601	22	Tr	Tr	Tr	Tr	0.03	
120.74-121.65 As above				0.91	4602	56	.1	Tr	Tr	Tr	0.02	
121.65-122.15 MGWK py stringers up to 3mm local intense phyl alt.				0.5	4603	22	.2	Tr	Tr	Tr	Tr	
126.04-126.38 MGWK w/ py-ral stringers 5%				0.34	4604	17	.7	Tr	Tr	Tr	Tr	
127.95-129.0 MGWK w/ qtz-py pods & stringers throughout ~5% of rock local brecciated			140	1.85	4605	15	Tr	Tr	Tr	Tr	Tr	
129.0-129.20 MGWK - brecciated & silicified w/ stringers of py.				0.2	4606	16	Tr	Tr	Tr	Tr	Tr	
129.2-129.80 MGWK - as above with stringers 2cm across				0.6	4607	27	1.0	Tr	Tr	Tr	Tr	
129.80-130.30 MGWK as above w/ qtz str. up to 1cm & py str. up to 2m ~2%				0.5	4608	29	.1	Tr	Tr	Tr	Tr	
131.88-132.52 as above				0.64	4609	37	.5	Tr	Tr	Tr	Tr	
133.72-134.51 SKRN less than 5% qtz-py-tm str. section of typical "fresh" skarned MGWK			150	0.79	4610	45	1.0	Tr	Tr	Tr	Tr	
139.16-139.45 SKRN brecciated & cross-cut by qtz-cub veins ~60% of rock				0.29	4611	23	2.6	Tr	Tr	Tr	Tr	



September 4, 1989

Total Energold Corp
21 - 1114 - 1st Ave
Whitehorse, Yukon
Y1A 1A3

ASSAY CERTIFICATE

Work Order # 29161

File # 29161a

PO# 3114

Sample	ppb Au	ppm Ag	ppm Cu	ppm Fe	ppm Zn	ppm As
4590	37	0.6	33	1	22	<10
4591	22	0.4	102	<1	12	30
4592	37	<0.1	66	19	1	60
4593	42	0.8	49	38	54	1690
4594	40	1.0	42	15	<1	90
4595	24	<0.1	94	10	<1	<10
4596	24	0.8	26	15	9	<10
4597	28	0.1	35	20	13	<10
4598	21	0.6	15	17	12	<10
4600	49	<0.1	64	31	23	1600
4601	22	<0.1	21	30	34	280
4602	56	<0.1	43	20	11	230
4603	22	0.2	65	1	13	<10
4604	17	0.7	56	2	30	<10
4605	15	<0.1	49	7	24	30
4606	16	<0.1	68	2	24	90
4607	27	1.0	60	<1	17	10
4608	29	<0.1	55	<1	12	<10
4609	37	0.5	99	7	12	30
4610	45	1.0	10	7	18	<10
4611	23	2.3	3	3	42	<10

Au -- 15g Fire Assay/AAS

Metals -- Aqua Regia Digestion/AAS





September 4, 1989

Total Energold Corp
21 - 1114 - 1st Ave
Whitehorse, Yukon
Y1A 1A3

$1g = 3^4$

$1g/t = .029202/t$

342ppb

.0102/t

.008

11.7

ASSAY CERTIFICATE

Work Order # 29161

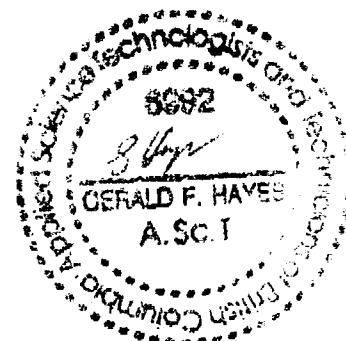
File # 29161b

PO# 3114

Sample	ppb Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm As
4551	21	0.7	23	41	11	150
4553	21	0.4	124	0	24	40
4554	35	0.2	38	17	9	<10
4555	11	<0.1	20	11	8	<10
4556	23	0.5	20	41	10	<10
4557	21	0.2	35	6	13	<10
4558	22	<0.1	33	2	14	<10
4559	25	<0.1	28	41	11	<10
4560	37	1.5	36	16	12	<10
4561	29	0.4	30	16	10	<10
4562	21	0.2	28	10	20	<10
4563	26	<0.1	24	12	14	1010
4564	24	<0.1	90	1	14	240
4570	20	<0.1	50	10	30	<10
4571	28	0.3	50	16	22	60
4582	17	<0.1	74	65	114	890
4583	12	0.4	145	26	65	4640
4584	32	<0.1	277	22	75	2190
4586	34	1.4	135	145	182	890
4587	34	0.2	236	77	150	6200

Au -- 15g Fire Assay/AAS

Metals -- Aqua Regia Digestion/AAS



September 5, 1989

Total Energold Corp
21 - 1114 - 1st Ave
Whitehorse, Yukon
Y1A 1A3

ASSAY CERTIFICATE

Work Order # 29161

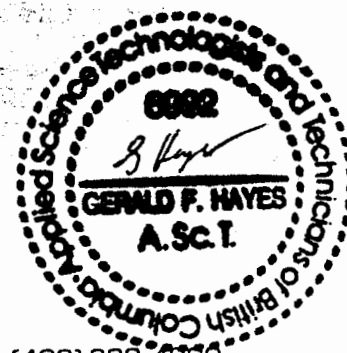
File # 29161c

PO# 3114

Sample	oz/t Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm As	ppm Sb
4552	0.010	29.2	15630	33	578	1150	40
4565	<0.004	2.0	182	3	20	30	10
4566	0.012	3.3	589	8	24	60	10
4567	0.008	2.6	169	11	23	1240	10
4568	0.024	3.4	602	30	70	1880	50
4569	<0.004	2.7	767	38	92	<10	30
4572	<0.004	1.8	40	7	29	<10	10
4573	1.76	2.1	875	90	43	60600	270
4574	3.188	11.7	1463	303	61	84300	720
4575	0.012	20.4	2639	27	211	3880	210
4576	0.272	11.7	1382	109	106	75600	590
4577	0.040	8.6	1824	25	70	24200	200
4578	0.120	3.2	468	49	35	53000	300
4579	0.014	12.8	1956	37	114	5370	150
4580	0.896	8.9	1430	166	49	77700	800
4581	0.086	2.9	1309	40	123	38700	170
4585	0.008	0.9	286	20	43	3100	30
4588	<0.004	<0.1	62	<1	24	1240	10
4589	0.016	<0.1	42	14	15	830	<10
4599	0.012	11.9	2069	60	131	6720	210

Au -- 1/2 AT Fire Assay/Grav
Metals -- Aqua Regia Digestion/AAS

Note -- Sb will be low since assay was not prepared for Sb





September 5, 1989

Total Energold Corp
21 - 1114 - 1st Ave
Whitehorse, Yukon
Y1A 1A3

ASSAY CERTIFICATE

Work Order # 29161

File # 29181c

PG# 3114

Sample	oz/t Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm As	ppm Sb
4552	0.010	29.2	15630	33	573	1150	40
4565	<0.004	2.0	182	3	20	30	10
4566	0.012	3.3	589	8	24	60	10
4567	0.008	2.6	189	11	23	1240	10
4568	0.024	3.4	602	30	70	1860	50
4569	<0.004	2.7	767	38	82	<10	30
4572	<0.004	1.8	40	7	29	<10	10
4573	1.76	2.1	875	90	43	60600	270
4574	3.188	11.7	1455	303	61	84300	720
4575	0.012	20.4	2639	27	211	3880	210
4576	0.272	11.7	1382	109	106	75600	590
4577	0.040	8.6	1624	25	70	24200	200
4578	0.120	3.2	488	49	35	53000	300
4579	0.014	12.8	1956	37	114	5370	150
4580	0.896	8.9	1430	166	49	77700	800
4581	0.086	2.9	1309	40	123	36700	170
4585	0.008	0.9	285	20	43	3100	30
4588	<0.004	<0.1	62	<1	24	1240	10
4589	0.016	<0.1	42	14	15	830	<10
4599	0.012	11.9	2069	60	131	6720	210

Au -- 1/2 AT Fire Assay/Grav
Metals -- Aqua Regia Digestion/AAS

Note -- Sb will be low since assay was not prepared for Sb





September 7, 1989

Total Energold Corp
21 - 1114 - 1st Ave
Whitehorse, Yukon
Y1A 1A3

ASSAY CERTIFICATE

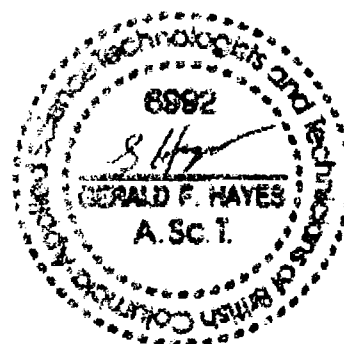
Work Order # 29161

File # 29161d

PO# 3114

Sample	Au +100	Au -100	oz/t Au
4573	1.378	0.384	0.534
4574	2.906	2.546	2.689

Metallic Gold Assay

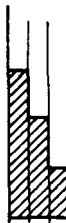


----- PLAN PLOT -----				----- LONGITUDINAL PLOT -----					
				----- SECTION PLOT -----					
LENGTH	↓	↓	↓	↓	↓	↓	↓	↓	
↓	AZIMUTH	DIP	HORZ	ELEV	DIST FROM BL	SECTION	SEC OFFSET	DESCRIPTION	
=====									
0.00	337.00	-62.00	0.00	1392.00	59.86 S	4.0 E	5.92 W	COLLAR	
35.87	337.00	-62.00	16.84	1360.33	44.36 S	3.0 E	13.00 W	X-SECTION	
68.60	337.00	-57.50	32.20	1331.43	30.22 S	3.0 E	6.50 E	DIP CHANGE	
75.24	337.00	-57.50	35.77	1325.83	26.93 S	3.0 E	5.10 E	HW->MSSV	
75.50	337.00	-57.50	35.91	1325.61	26.80 S	3.0 E	5.05 E	FW->MSSV	
79.00	337.00	-57.50	37.79	1322.66	25.07 S	3.0 E	4.31 E	HW->AJ VEIN	
81.70	337.00	-57.50	39.24	1320.38	23.74 S	3.0 E	3.75 E	FW->AJ VEIN	
99.54	337.00	-57.50	48.83	1305.33	14.91 S	3.0 E	0.00 E	CL-SECTION	
140.85	0.00	0.00	71.03	1270.50	5.52 N	3.0 E	8.67 W	END OF HOLE	

TOTAL ERICKSON RESOURCES LTD.

MINERALS SECTION

DRILL LOG

PROJECT O'Brien		GROUND ELEV.	Altimeter Reading 1392.0m
HOLE No. AJ-89-008		BEARING 337	
LOCATION	Taped collar location 32065.04N 37838.68E	DIP -62°	
		TOTAL LENGTH 140.85m	
LOGGED BY B. McDonald / K. Pelletier		HORIZONTAL PROJECT	
DATE Sept 5th 1989		VERTICAL PROJECT	
CONTRACTOR DJ		ALTERATION SCALE	
CORE SIZE NQ		 absent slight moderate intense	
DATE STARTED Aug 27 1989		TOTAL SULPHIDE SCALE	
DATE COMPLETED Sept 1st 89		 traces only < 1% 1% - 3% 3% - 10% > 10%	
DIP TESTS <u>uncorrected</u> <u>corrected</u> 45.0° 65° 57.5°			
COMMENTS		LEGEND	

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION		ALTERATION					FRACT INTENSITY	Sx vein % intensity
						S.1 A	Phyl B	Tm C	D	E		
5	60	OVBD	60° folia	0-3.47	OVBD							
				3.47-4.44	MGWK - fine greywacke, thin (0.5-2cm) qtzite beds dk grey colour, schistose // to bedding local brecciation of beds. Minor mudstone beds mixed in greywacke							
				4.44-5.12	D1/D - hbl'd phenos 3-5mm euhedral (10%), 15% subhedral plag 2-3mm, 3% copper coloured bi (secondary?) in aphanitic dk grey matrix							
				5.12-10.71	MGWK as above							
				5.26-5.28	2cm wide px qtz rein w/ tm selvage vein oriented 70° TCA							
15	60	MGWK	60° folia	7.56-7.93	qtz fragment brkr frags = 30% 1-4cm angular to sub-round in MGWK matrix							
				10.71-18.86	MGWK - fine to med gr green-grey colour qtzite, local felds frags up to 10% MGWK layers 4-15cm wide occur locally, local tm stringers & pods up to 8cm cut rock with associated pxstr with or without tm. Stringers oriented 24° TCA, at 12.01m. Towards lower contact contains MGWK horizons 25-30cm thick							
				18.86-25.50	MGWK - as above w/ qtzite horizons 20-40cm thick, alt most pervasive in qtzite horizons.							
				19.54-19.84	LOST							
25	50	MGWK	63° folia	19.84-25.50	MGWK							
				25.50-28.94	MGWK as above @ 25.91 stringers oriented at 50° TCA							
				28.94-34.75	MGWK as above							
				34.75-37.72	GRIT coarse to medium-grained feldspathic arkose/greywacke. Frags: Qtz (40-45%, 2-1cm), plag (15-20%, 1-5cm) in light green aphanitic/gm							
35	50	MGWK	50° folia	37.72-47.92	MGWK as above, contains grit beds 2-20cm thick							
40	50	MGWK	50° folia									

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	Sx vein intensity
					sil A	phyl B	tm C	D	E		
48	50			47.92-48.38 BSSV Massive sulphide vein pyr(40%) > qtz(20%) Torm(10%) and apy(10%) Banded text - see sample desc.	///	///					
	0					///					
	60	MGWK	AAA	48.38-48.90 MGWK c-grained (grit bed) 72% diss fgr torm		///					///
	0		AAA	48.90-49.09 BSSV Massive v-f-gr tm w 15% pyr - extremely fractured		///					
	0		AAA	49.09-50.0 MGWK as above		///					
	10		AAA	50.0-50.3 LOST							
	10		AAA	50.3-51.5 MGWK as above abd qtz stringers, mod phyll alt		///					
	50	MSXX	AAA	51.5-52.44 LOST	///	///					///
50	0	MGWK	AAA	52.44-56.48 MGWK as above, highly fract grit bed 40cm	///	///	///				///
	0	MGWK	AAA	53.95-54.97 c-gr grit - phyll alt		///					
	0	MGWK	AAA	56.48-62.43 MQTZ m-c-gr horiz w qtz pebbles		///					
	0	MGWK	AAA	MGWK layers 10-40cm (<15%)		///					
	0	MGWK	AAA	62.43-69.17 MQTZ as above		///					
	50	MGWK	AAA	69.17-75.24 MGWK as above		///					
	6		AAA	qtz pods (1-5cm), veins (up to 3cm) and tm		///					
	50		AAA	stringers (<1mm) throughout		///					
	30	MQTZ	AAA	lower 3m largely massive f-tm-gr fddspathic		///					
	60		AAA	greywacke		///					
	50		AAA	74.30-75.25 pyr stringers (<1.2mm (38° CA)		///					
	50		AAA	75.24-75.50 BSSV apy(40%) > tm(30%) > py(15%) = qtz(15%)	///	///					
			AAA	(weakly banded) apy/tm, apy-tm-py, qtz-tm-py		///					
			AAA	layers - see sample descriptions		///					
	20	MQTZ	AAA	75.50-79.00 MQTZ med-gr w 20-30cm c-gr beds		///					
			AAA	intensely silicified, cut by pyr-tm veins (5-1.5cm)		///					
			AAA	throughout, phyllic alteration		///					
	70		AAA			///					
	50	MGWK	AAA	79.0-79.51 Torm(40%) - Qtz(30%) - Pyrite(25%) - Apy(5%)	///	///					
			AAA	BSSV F-gr massive tm w diss fgr py and apy. Qtz		///					
			AAA	forms black (3x8cm) w py stringers (1-2cm)		///					
			AAA	brecciated texture		///					
	70	MSXX	AAA	79.51-80.22 MGWK intensive phyllic alt, qtz-py-tm		///					
	40	MQTZ	AAA	veins (1.5-1cm), 73% diss tm on either		///					
	40	BSSV	AAA	side interval adj to veins		///					

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS	
					ppb	ppm	ppm	ppm	ppm	As	ppm
42.50-42.68 MGWK w py vein (8cm), f-gr, massive, p. (80%), cpy (5%), tm (15%) cpy-13mm			.18	4625	28	1.3	948	21	56	310	
47.00-47.92 MGWK w py stringers (1cm) and intrusive phyllitic alt in 40 cm adj to vein			.92	4626	24	<	82	9	12	<	
47.92-48.08 massive, v f-gr pyr (80%) w irr tm clots (15% - 3x5cm) and cpy (5% - 3.5mm) - weakly banded			.16	4627	183	14.1	1154	36	717	930	
48.08-48.19 massive a-gr qtz (75%) w tm (15%) clots (2x7cm) and stringers + coarse disp pyr (10% - 5mm)			.11	4628	44	2.6	315	36	87	910	
48.19-48.28 BSSV massive f-gr pyr - tm facies ben band - alt bands (.5-1cm) forms whisp. texture and c-gr (15%)		50	.19	4629	916	6.2	959	45	193	1030	
48.38-48.90 MGWK int silice + phyll alt - tm stringers + pods			.52	4630	41	<	39	27	36	310	
48.90-49.09 massive v f-gr tm w 15% pyr			.19	4631	88	2.2	489	21	32	640	
49.09-50.0 MGWK w med phyll alt			.91	4632	<	0.7	39	62	179	50	
67.65-68.50 MQTZ w qtz veins up to 3cm and <2% assoc diss py - tm			.85	4633	12	0.4	47	10	14	<	
69.21-69.64 MGWK w 10cm wide qtz vein and assoc py (<5%) + tm			.43	4634	14	0.3	29	7	8	<	
73.82-74.10 MGWK w 2cm wide qtz vein and assoc pyr (<5%)		60	.28	4635	10	0.1	66	7	16	<	
74.45-75.24 MGWK abd py - tm stringers (1-2mm) @ 75.18 1cm wide pyr - tm vein			.79	4636	36	1.4	150	28	32	650	
75.24-75.50 intergranular apy, py, tm, qtz vein - apy c-gr, tm - py v f-gr (weakly banded)		ALV	.26	4637	0.157 opt	2.5	1375	24	56	109100	
75.50-76.48 MQTZ w 1-2cm wide py - tm veins in first 25cm - tm, qtz stringers throughout			.98	4638	0.012 opt	<0.1	462	4	39	3850	
76.48-77.48 MGWK - phyll alt + sil alt py - tm - apy vein (1.6) 1-1.5cm - intergranular gr py - tm - apy coarse at vein margins but also intergranular in some veins (2.5mm)		70	1.0	4639	0.039 opt	0.5	531	14	28	9480	
77.48-78.35 same as last sample 1 vein (35mm) just apy - tm			.87	4640	0.006 opt	0.8	210	10	23	1370	
78.35-79.0 BSSV same as 4639			.65	4641	0.004 opt	<0.1	655	10	30	4190	
79.0-79.51 tm (40) - qtz (30) - py (25) - apy (5) v f-gr tm w diss sulphides blacky qtz			.57	4642	0.036 opt	1.3	489	19	21	7660	
79.51-80.22 MGWK int phyll alt (1-2cm) tm - qtz - apy - py veins in sample			.71	4643	0.002 opt	<0.1	111	57	78	2250	

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	Sx vein intensity
					Sil A	Pyll B	Tm C	D	E		
0	100	BRSV		80.22-81.58 BRSV massive sulphide vein							
	90	BSSV		80.22-80.59 brecciated qtz frags, 5-2.5cm							
	0	MGWK		and qtz vein bands up to 3cm wide in matrix							
		LOST	▽▽▽	of v-gr pyr and apy-Tm bands, up to 1cm wide							
			△△△	cuts brecciated qtz							
		MGWK	△△△	DSSV 80.59-81.70 banded sulphides py-apy-Tm							
	0	LOST	△△△	-qtz with varying degrees of abd. -sec samples							
		LOST	△△△	81.58-81.70 MGWK-cgr w 20% diss tm, phyll alt							
		LOST	△△△	81.70-83.84 LOST							
90		LOST	△△△	83.84-86.91 MGWK intensely phyllically altered (very broken up)							
	10		△△△	dk-green/grey colored - f-grained							
			△△△	86.91-87.19 LOST							
	30			87.19-87.4 MGWK as above							
		MGWK	▽▽▽	87.4-88.41 LOST							
5			△△△	88.41-88.76 MGWK as above							
	60			88.96-89.94 LOST							
			△△△	89.94-97.68 MGWK no longer intensely phyll alt + broken up							
	20	Tm-apy	▽▽△	as last interval. Fine-grained, banded w thin qtz rich							
		MGWK	△△△	f-gr ssd beds							
100			△△△	91-97.77-92.8 cut by qtz veins (1.5-5cm) incl							
	10		58	stringers - and assoc py stringers (10% to 20%)							
				95.88-96.10 pyr stringers							
			▽▽△	97.68-97.80 Tm (60%) - qtz (25%) - Py (15%) vein fgr py +							
			△△△	qtz bands (1-5m) form wispy banded zone intensely							
5			△△△	97.86-101.93 MATZ white to green/grey colored							
	16	MGWK	▽▽▽	generally f-grained, locally qtz pebble congl.							
			△△△	98.6-99.1 intense tm alt, qtz veining (1-2cm)							
	60		47	<10% sulphides							
			△△△	101.93-116.26 MGWK dk grey-banded - thin qtz bed @ 103-							
110	0			103.5 w < 1% diss sulph (light green colored)							
				Zones w int phyll alt near end interval							
			▽▽△	116.26-117.38 LOST							
	40			117.38-124.08 MGWK as above							
			▽▽△	121.9-124.08 int phyll alt - Tm, qtz alt							
5	30			increasing towards end interval							
	0	LOST	▽▽▽								
	10										
	50										
120											

	MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS	
						ppm	ppm	ppm	ppm	ppm	As	ppm
RSV	80.22-80.59 brecciated qtz fragments in vt-gr pyrox, 10% apy in 1st 10cm			37	4644	0.005 opt	9.5	930	76	61	0.02 opt Ag	16600
SSV	qtz total (40%), pyx (40%), tm (15-20%)											
SSV	80.59-81.13 massive f-gr pyx (80%) cut by tm pads (.5x3cm) and stringers (15%) from 81.78 to 81.9 - contains 5% diss apy (1-3mm)			54	4645	0.030 opt	22.6	3203	44	181	0.02 opt Ag	19700
SSV	81.13-81.35 c-gr (3-5mm) apy bands (2-5 cm) - whispy tm - intergranular f-c-gr pyx (30%), tm (20%), and qtz (10%)			22	4646	0.056 opt	5.3	1058	14	40	2.70 m (135mt)	297000
SSV	py appears blacky - w interstitial qtz or tm											
SSV	81.35-81.70 coarse-gr (2-5mm) intergranular qtz (40%), apy (25%), pyx (20%), tm (15%)			35	4647	0.026 opt	1.4	315	<1	19	5.5 vein	142800
	apy form conc, whispy pads & streaks, but generally evenly disp throughout layer											
	83.84-84.84 MGWK at phyll alt, minor qtz-tm veins (up to 2cm)			1.0	4648	36	0.4	61	9	13	580	
	84.84-85.84 same as 4648			1.0	4649	24	0.8	54	10	15	380	
	91.77-92.75 MGWK w qtz-tm + py stringers			98	4659	10	0.6	18	2	23	<	
	97.40-98.40 MGWK w intensive phyll + tm alt - conc. tm alt @ 97.8-97.8 pyx stringers (5%)			1.0	4650	16	1.4	193	56	74	640	
	98.40-99.04 MATZ w int phyll + tm alt			64	4651	105	2.1	64	24	25	5600	
	tm-py conc @ 98.6-99.1											
	106.1-107.1 MGWK w qtz veins 5-2cm			1.0	4652	<	1.6	42	5	15	110	
	115.32-116.26 MGWK w int phyll alt and < 2% tm stringers			94	4653	25	0.3	44	9	23	10	
	117.38-118.38 same as last sample			1.0	4654	21	0.4	45	11	29	<	
	2.5cm wide qtz vein near end interval											
	99.69-100.61 MATZ w massive qtz veins and pads (up to 3cm), phyll alt, < 2% diss, f-gr pyx			42	4660	28	0.8	21	7	17	80	

PAGE 7 OF		PROJECT: O'Brien					HOLE No. 89-008				
DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	
					Sil A	phyl B	tm C	D	E		
124.08	10			124.08-131.29 "Skarn" light green colored w/ wispy pink colored bands 5mm-3cm and calcite stringers (1-5mm) - med grained @ 30° to LA							
5				dk green bands locally - probably calcite							
131.29	70			part is intensely sil throughout							
131.29-135.25				"Skarn" same as above but pinkish brown layers become predom 1.5m							
				light green layers 1cm-50cm int layers throughout							
130				- brown layers have irregular boundaries							
				- also form pods (irreg shaped) w/ in green hor. (2x3-10cm)							
80	45			135.25-140.85 "Skarn" light green w/ pink to pinkish brown layers 1-10cm							
5				brecciated brown frags (2x4cm) locally calcite veins (1m-1cm) throughout							
60				140.85 END OF HOLE							
80											
140											

September 14, 1989

Total Energold Corp
21 - 1114 - 1st Ave
Whitehorse, Yukon
Y1A 1A3

ASSAY CERTIFICATE

Work Order # 29185

File # 29185b

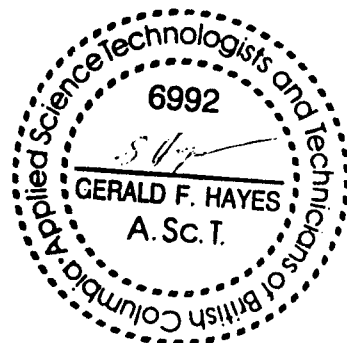
PO# 3681 3112

Sample	ppb Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm As
4612	17	<0.1	137	19	17	<10
4613	48	0.5	70	9	11	110
4614	22	<0.1	155	8	9	<10
4615	<10	0.5	3	6	3	10
4616	17	0.1	82	17	10	<10
4617	10	0.6	11	13	13	<10
4618	<10	0.5	99	6	14	<10
4619	<10	0.8	17	7	11	<10
4620	<10	1.9	127	12	21	<10
4621	22	4.2	987	79	153	510
4622	31	0.2	326	15	15	<10
4623	26	0.2	71	12	10	<10
4624	28	0.5	28	22	14	80
4625	28	1.3	948	21	56	310
4626	24	<0.1	82	9	12	<10
4627	183	14.1	1154	36	717	930
4628	44	2.6	315	36	87	910
4629	916	6.2	959	45	193	1030
4630	41	<0.1	39	27	36	310
4631	88	2.2	489	21	32	640

Au -- 15g Fire Assay/AAS

Metals -- Aqua Regia Digestion/AAS

7-013



September 26, 1989

Total. Energold Corp
21 - 1114 - 1st Ave
Whitehorse, Yukon
Y1A 1A3

ASSAY CERTIFICATE

Work Order # 29185

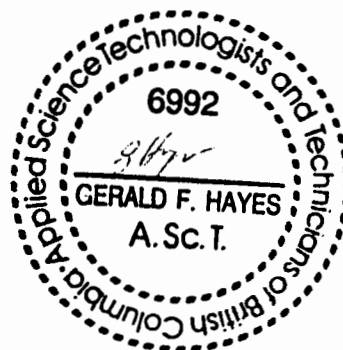
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PO# 3681

Sample	oz/t Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm As
4637	0.157	2.5	1375	24	56	109100
4638	0.012	<0.1	462	4	39	3850
4639	0.039	0.5	531	14	28	9480
4640	0.006	0.8	210	10	23	1370
4641	0.004	<0.1	655	10	30	4190
4642	0.036	1.3	489	19	21	7660
4643	0.002	<0.1	111	57	78	2250
4644	0.005	9.5	930	90	61	16600
4645	0.030	22.6	3203	44	181	19700
4646	0.056	5.3	1058	14	40	297000
4647	0.026	1.4	315	<1	19	142800

Au -- 1AT Fire Assay/AAS

Metals -- Aqua Regia Digestion/AAS



September 14, 1989

Total Energold Corp
21 - 1114 - 1st Ave
Whitehorse, Yukon
Y1A 1A3

ASSAY CERTIFICATE

Work Order # 29185

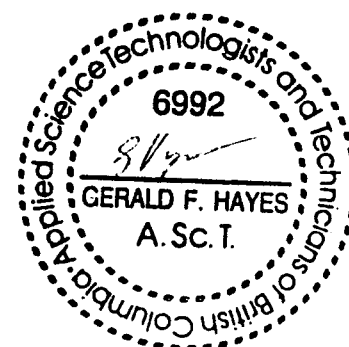
File # 29185a

PO# ~~3581~~ 3112

Sample	ppb Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm As
4632	<10	0.7	39	62	179	50
4633	12	0.4	47	10	14	<10
4634	14	0.3	29	7	8	<10
4635	10	0.1	66	7	16	<10
4636	36	1.4	150	28	32	650
4648	36	0.4	61	9	13	580
4649	24	0.8	54	10	15	380
4650	16	1.4	193	56	74	640
4651	105	2.1	64	24	25	5600
4652	<10	1.6	42	5	15	110
4653	25	0.3	44	9	23	10
4654	21	0.4	45	11	29	<10
4655	21	0.6	77	110	184	830
4656	<10	0.6	20	72	119	120
4657	78	0.8	116	53	106	5800
4658	172	0.5	5	11	14	800
4659	10	0.6	18	2	23	<10
4660	28	0.8	21	7	17	80

Au -- 15g Fire Assay/AAS

Metals -- Aqua Regia Digestion/AAS



B. Clegg & Company Ltd.
1000 Camberton Ave.
North Vancouver, B.C.
V7P 2R5
(604) 985-0681 Telex 04-352667



Certificate of Analysis

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V89-06422.4

DATE PRINTED: 29-SEP-89

PROJECT: O'BRIEN

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	As OP1
------------------	------------------	-----------

R2 4642	0.012	
R2 4643	<0.002	
R2 4644	0.006	
R2 4645	0.030	
R2 4646	0.050	

89-008

R2 4647	0.033	
R2 4689	0.009	
R2 4690	0.016	
R2 4691	0.020	
R2 4692	0.042	

R2 4693	0.011	
R2 4694	0.012	
R2 4695	0.029	
R2 4696	<0.002	
R2 4697	<0.002	

R2 4698	<0.002	
R2 4699	<0.002	
R2 4700	0.140	
R2 4701	<0.002	
R2 4702	0.005	

89009

R2 4703	0.003	
R2 4704	0.249	
R2 4705	0.022	
R2 4706	0.004	
R2 4707	0.018	

R2 4708	<0.002	
R2 4709	0.015	

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
V7P 2R5
(604) 985-0681 Telex 04-352667



Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V89-06422.0

DATE PRINTED: 3-OCT-89

PROJECT: O'BRIEN

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM
R2 4642		1.8	419	20	20
R2 4643		0.7	126	52	82
R2 4644		10.5	826	59	68
R2 4645		18.0	2817	33	172
R2 4646		5.2	816	13	31
R2 4647		2.2	335	9	23
R2 4689		2.7	385	13	25
R2 4690		2.2	409	22	55
R2 4691	<i>Missing</i>	2.6	459	24	60
R2 4692	<i>1.76 opt</i>	50.0	12578	42	577
R2 4693		6.8	1168	21	66
R2 4694		2.8	327	38	37
R2 4695		29.7	8279	63	430
R2 4696		0.6	132	11	30
R2 4697		1.6	515	12	35
R2 4698		0.2	77	11	11
R2 4699		0.6	157	32	58
R2 4700		6.2	856	31	63
R2 4701		1.9	249	73	127
R2 4702		2.8	393	64	114
R2 4703		1.2	118	18	20
R2 4704		4.5	407	45	91
R2 4705		5.8	1653	32	546
R2 4706		1.1	140	13	51
R2 4707		6.5	1418	23	84
R2 4708		2.4	455	9	44
R2 4709		4.0	933	17	73

A7-89-008

A7-89-009

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
V7R5
604-25-0681 Telex 04-352667



Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

DATE PRINTED: 19-OCT-89

REPORT: V89-07202.0

PROJECT: NONE GIVEN

PAGE 1

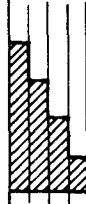
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X2 4573		7.3	>1000.0
X2 4574		20.7	>1000.0
X2 4575		34.0	>1000.0
X2 4577		14.7	>1000.0
X2 4578		5.5	>1000.0
X2 4579		16.1	>1000.0
X2 4580		11.2	>1000.0
X2 4581		5.2	>1000.0
X2 4584		1.1	>1000.0
X2 4750		2.3	622.4
X2 4751		12.4	>1000.0
X2 4752		9.5	>1000.0
X2 4753		3.4	>1000.0
X2 4774		2.9	>1000.0
X2 4794		0.6	564.8
X2 4795		4.1	>1000.0
X2 4796		0.2	900.0
X2 4797		0.9	>1000.0
X2 4798		0.6	>1000.0
X2 4799		2.4	>1000.0
X2 4800		0.5	>1000.0
X2 4801		0.2	>1000.0
X2 4813		0.1	427.1
X2 4814		0.3	>1000.0
X2 4817		0.5	>1000.0
X2 4852		0.5	>1000.0
X2 4853		0.4	>1000.0
X2 4854		0.2	>1000.0
X2 4855		8.2	>1000.0
X2 4856		1.6	>1000.0
X2 4857		0.8	>1000.0
X2 4858		1.2	>1000.0
X2 4859		0.6	>1000.0
X2 4863		0.2	744.7
X2 4864		0.1	>1000.0
X2 4865		0.3	>1000.0
X2 4866		0.3	>1000.0
X2 4867		0.1	812.5
X2 4868		0.1	>1000.0
X2 4869		0.6	>1000.0

PLAN PLOT				SECTION PLOT					
LENGTH	AZIMUTH	DIP	HORZ	ELEV	DIST FROM BL	SECTION	SEC OFFSET	DESCRIPTION	
0.00	337.00	-50.00	0.00	1410.00	81.30 S	6.0 E	6.70 E	COLLAR	
0.00	337.00	-50.00	0.00	1410.00	81.30 S	6.0 E	6.70 E		
26.68	337.00	-50.00	17.15	1389.56	65.52 S	6.0 E	0.00 E	CL-SECTION	
30.49	337.00	-48.00	19.60	1386.64	63.26 S	6.0 E	0.96 W	DIP CHANGE	
59.70	337.00	-48.00	39.14	1364.94	45.27 S	6.0 E	8.59 W	HW->MSXX	
59.80	337.00	-48.00	39.23	1364.84	45.19 S	6.0 E	8.63 W	FW->MSXX	
74.64	337.00	-48.00	49.14	1353.84	36.07 S	5.0 E	13.00 W	X-SECTION	
77.44	337.00	-48.00	51.01	1351.75	34.34 S	5.0 E	11.77 E	HW->BRSV	
78.29	337.00	-48.00	51.58	1351.12	33.82 S	5.0 E	11.55 E	FW->BRSV	
78.29	337.00	-48.00	51.58	1351.12	33.82 S	5.0 E	11.55 E	HW->BSSV	
78.43	337.00	-48.00	51.68	1351.02	33.73 S	5.0 E	11.51 E	FW->BSSV	
78.43	337.00	-48.00	51.68	1351.02	33.73 S	5.0 E	11.51 E	HW->DSSV	
79.21	337.00	-48.00	52.20	1350.44	33.25 S	5.0 E	11.30 E	FW->DSSV	
79.21	337.00	-48.00	52.20	1350.44	33.25 S	5.0 E	11.30 E	HW->MSSV	
79.43	337.00	-48.00	52.35	1350.27	33.12 S	5.0 E	11.25 E	FW->MSSV	
79.43	337.00	-48.00	52.35	1350.27	33.12 S	5.0 E	11.25 E	HW->BRSV	
79.86	337.00	-48.00	52.63	1349.95	32.85 S	5.0 E	11.13 E	FW->BRSV	
79.86	337.00	-48.00	52.63	1349.95	32.85 S	5.0 E	11.13 E	HW->DSSV	
81.03	337.00	-48.00	53.42	1349.09	32.13 S	5.0 E	10.83 E	FW->DSSV	
81.03	337.00	-48.00	53.42	1349.09	32.13 S	5.0 E	10.83 E	HW->MSSV	
81.14	337.00	-48.00	53.49	1349.00	32.06 S	5.0 E	10.80 E	FW->MSSV	
85.10	337.00	-48.00	56.14	1346.06	29.62 S	5.0 E	9.77 E	HW->BSSV	
85.34	337.00	-48.00	56.30	1345.88	29.48 S	5.0 E	9.70 E	FW->BSSV	
85.71	337.00	-48.00	56.55	1345.61	29.25 S	5.0 E	9.61 E	HW->DSSV	
86.34	337.00	-48.00	56.97	1345.14	28.86 S	5.0 E	9.44 E	FW->DSSV	
86.34	337.00	-48.00	56.97	1345.14	28.86 S	5.0 E	9.44 E	HW->BRSV	
86.88	337.00	-48.00	57.33	1344.74	28.53 S	5.0 E	9.30 E	FW->BRSV	
86.88	337.00	-48.00	57.33	1344.74	28.53 S	5.0 E	9.30 E	HW->DSSV	
86.89	337.00	-48.00	57.34	1344.73	28.52 S	5.0 E	9.30 E	DIP CHANGE	
87.19	337.00	-48.00	57.54	1344.51	28.34 S	5.0 E	9.22 E	FW->DSSV	
87.19	337.00	-48.00	57.54	1344.51	28.34 S	5.0 E	9.22 E	HW->BRSV	
87.50	337.00	-48.00	57.74	1344.28	28.15 S	5.0 E	9.14 E	FW->BRSV	
88.84	337.00	-48.00	58.64	1343.28	27.32 S	5.0 E	8.79 E	HW->DSSV	
90.48	337.00	-48.00	59.74	1342.06	26.31 S	5.0 E	8.36 E	FW->DSSV	
122.45	337.00	-48.00	81.13	1318.30	6.62 S	5.0 E	0.00 E	CL-SECTION	
135.03	0.00	0.00	89.55	1308.96	1.13 N	5.0 E	3.29 W	END OF HOLE	
0.00	337.00	-50.00	0.00	1410.00	81.30 S	6.0 E	6.70 E	COLLAR	
26.68	337.00	-50.00	17.15	1389.56	65.52 S	6.0 E	0.00 E	CL-SECTION	
30.49	337.00	-48.00	19.60	1386.64	63.26 S	6.0 E	0.96 W	DIP CHANGE	
74.64	337.00	-48.00	49.14	1353.84	36.07 S	5.0 E	13.00 W	X-SECTION	
86.89	337.00	-48.00	57.34	1344.73	28.52 S	5.0 E	9.30 E	DIP CHANGE	
90.48	337.00	-48.00	59.74	1342.06	26.31 S	5.0 E	8.36 E	HW->BRSV	
91.20	337.00	-48.00	60.22	1341.53	25.87 S	5.0 E	8.17 E	FW->BRSV	
122.45	337.00	-48.00	81.13	1318.31	6.62 S	5.0 E	0.00 E	CL-SECTION	
129.29	337.00	-48.00	85.71	1313.22	2.41 S	5.0 E	1.79 W	HW->DSSV	
129.63	337.00	-48.00	85.94	1312.97	2.20 S	5.0 E	1.88 W	FW->DSSV	
135.03	0.00	0.00	89.55	1308.96	1.13 N	5.0 E	3.29 W	END OF HOLE	

TOTAL ERICKSON RESOURCES LTD.

MINERALS SECTION

DRILL LOG

PROJECT O'Brien	GROUND ELEV. 1410 m
HOLE No. AS89-009	BEARING 337
LOCATION 32043.6 N 37901.3 E	DIP -50°
LOGGED BY K Pelletier	TOTAL LENGTH 135.03 m
DATE Sept 4-5	HORIZONTAL PROJECT
CONTRACTOR DS Drilling	VERTICAL PROJECT
CORE SIZE NQ	ALTERATION SCALE  - absent - slight - moderate - intense
DATE STARTED	TOTAL SULPHIDE SCALE  - traces only < 1% 1% - 3% 3% - 10% > 10%
DATE COMPLETED	
DIP TESTS 370' -56° (uncorrected) -42° corrected 117.80 200' -54° uncorrected -48° corrected 60.98m	
COMMENTS	LEGEND

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	Sulph vein int.
					Sil A	phil B	Tm C	arg D	E		
0				0-6.10 no recovery - OVERBURDEN (CASING TO 50' - 15.24m)							
5				6.10-6.66 MGWK well bedded, green to tan and black colored argillite - beds 1mm-1.5cm - bedding 67° to CA							
				6.66-8.23 LOST							
				8.23-9.04 MGWK as above with f-gr qtz beds (2mm-10mm) extremely broken up							
	10	MGWK	66A								
		LOST		9.04-9.45 LOST							
	0	MGWK		9.45-11.32 MGWK as above - pred alt. tan colored and dk grey argillite beds - minor (<10%) quartz beds - gen 5.5mm thick and discont. lenticular layers (1-2mm) minor qtz-tm stringers <1mm (21° to CA)							
10		LOST									
	30	MGWK		11.32-17.38 LOST							
				17.38-18.10 MGWK as above							
5	0	LOST		17.99-18.1 light green colored, intensely argill alt.							
				18.10-18.49 qtz vein ^(av) massive, partially brecciated, cut by tm stringers (1-3mm) 24° to CA							
				18.49-37.73 MGWK as above - pred. green + green grey colored							
		MGWK		18.5-18.75 cut by qv 1-2cm w 1% diss pyr							
		qv		19.35 5cm wide qv 64° to CA - tm stringers <1mm							
20				19.93 folded qv (4cm wide)							
	60			20.0-20.55 thin qv (1cm) irreg shaped & brecciated							
				21.90-21.95 qv w diss pyr (5%)							
				up to 23.0 diss pyr in country rock assoc							
5	20			qtz stringers 010° to CA							
				27.65 folded pyr vein 3mm wide							
				<2% pyr over 20cm interval							
		MGWK		30.05-32.30 highly silicified w minor (<2%) tm str.							
				32.9-33.05 diss pyr (15%) forms bands (1-2cm) and pods (1x2cm) - assoc sil & tm alt.							
30	60			35.38-35.76 brecciated dyke (?) qtz frags (1.5-3cm) in arg-grk mx - cuts MGWK - contact 000° to CA							
				2cm x 7cm wide							
	20			34.66-34.36 int sil - tan colored layers appear partly brecciated - whispy - possibly clay alt overpr. by sil alt (?)							
5	70										
	0										
	80			39.73-40.46 DI-D Diarite dyke							
40				20% py phenas - anhedral green (serc) 1-3mm, 10% hbl 1-2mm, anhedral to subhedral, 2% bio (copper colored) in maroon colored aphanitic mx							

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	As	COMPOSITE ASSAY
40.46-40.89 Mawik w clayalt(?) overpr by sil, any pods lenses of sulphide (1.5 x 1-2cm)			.43	4670	<10	0.1	86	13	20	40	
41.19-42.46 Mawik w pyr stringers 6mm			127	4671	<10	<.1	58	19	22	<10	
42.70-43.16 Mawik w qtz stringers, lenticular lenses of chlorite(?) w pyr clots in core - 2cm wide - assay qtz @ margins			.46	4672	<10	<.1	71	11	16	20	
44.60-45.06 Mawik w qtz veins (1.5-4cm) diss pyr clots .5 x 7cm			.46	4673	70	<1	75	18	17	<10	
51.82-52.33 Mawik int sil, qtz (60%), pyr (5%) pyr pods 1-1.5cm diss in massive qtz			.51	4674	<10	<0.1	91	6	15	<10	
55.56-56.5 Mawik w qtz veins 3-8cm x 7cm wide tm, pyr vein Mawik - light green			.94	4675	14	0.7	184	21	27	160	
57.45-58.45 Mawik w qtz - tm pods 1 x 77cm - arg + sil alteration			1.0	4676	<10	1.7	283	18	24	20	
58.45-58.83 Massive qtz (75%) w tm stringers (1.5-8cm) - one 2cm vein contains f-gr diss pyr (5%)			.38	4677	<10	1.9	544	14	40	<10	
58.83-59.70 Mawik w int sil alt			.87	4678	37	1.6	450	23	44	3300	
59.70-59.83 BSSV tm - pyr - qtz - apy - apy banded txt (see rx descr.)			.13	4679	.081 opt	269.8	58990	93	2290	26700	
59.83-60.61 Mawik w q - tm - pyr veins throughout qtz (20%) - tm (10%) - pyr (40%)			.78	4680	.006 opt	2.5	893	45	110	280	
60.61-60.80 qtz (60%) - tm (20%) - pyr (10%) - apy (10%) vein			.19	4681	←————→ N/S						
60.80-61.80 Massive qtz w tm pyr veins cont 1% pyr - chlorite?			1.0	4682	14	2.4	450	19	90	40	
62.80-63.8 Mawik w int arg alt overprinted by sil alt			1.0	4683	<10	0.2	100	15	58	110	
66.61-67.07 Mawik w qtz veins (1.5-2cm) cont pods (2-4mm) of pyr			.46	4684	28	0.2	117	3	17	<10	
71.32-71.98 Mawik w qtz pods, lent veins (1-4cm); minor pyrite stringers 1-3mm			.66	4685	<10	0.1	70	4	11	<10	
73.50-74.30 Mawik w qtz veins (1-4cm) zones of irr tm repl + pyr pods (2 x 5mm)			.80	4686	<10	0.4	147	10	24	30	
74.30-75.30 same as 4686			1.0	4687	23	0.9	395	26	57	40	
75.30-75.75 " " "			.45	4688	19	1.9	524	20	49	80	

DE (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	slp vein int
					sil A	ph.l B	tm C	arg D	E		
80	80	DSSV		75.75-77.44 LOST							
ASST		LOST		77.44-78.29 ARSV brecciated sulphide vein see sample desc							
20		MGWK		78.29-78.43 BSSV banded sulphide vein "							
40		MATZ		78.43-79.21 DSSV disseminated sulphide vein "							
5		BSSV		79.21-79.43 MSSV massive sulphide vein "							
		MATZ		79.43-79.86 ARSV "							
70		DSSV		79.86-81.03 DSSV "							
		BSSV		81.03-81.14 MSSV "							
		BSSV		81.14-82.65 LOST							
90	0	DSSV	▼▼▼	82.65-83.64 MGWK dk-green - argill alt - qtz veins - tm-py							
	50	BSRV	▲▲▲	stringers throughout							
		LOST		83.64-85.10 MATZ f-gr, green-grey colored massive, argill alt							
		MGWK		84.73 25cm wide qtz vein w py-tm stringers							
		LOST		85.10-85.34 BSSV							
5	0	MGWK		85.34-85.71 MATZ as above w qtz-tm-py veins (1-2cm) stringers							
		LOST		85.71-86.34 DSSV							
				86.34-86.88 ARSV							
				86.88-87.19 DSSV							
				87.19-87.50 ARSV							
100	30	BSSV		87.50-88.84 MGWK - w qtz veins (1-4cm) - tm-py stringers - very broken							
	50	MGWK		88.84-90.48 DSSV - massive qtz w tm-py veins - see sample desc							
	0		▲▲▲	90.48-90.48 massive ul-gr tm-chlorite							
				with qtz-py-tm veins (2mm-4cm) - 1 near							
	70			dissegr @ 89.94 - [P89.34]							
5	10		▼▼▼	90.48-91.2 ARSV brecciated qtz frags in py-qtz tm-mx							
	70			91.20-92.07 LOST							
				92.07-93.29 MGWK as above							
				92.35-92.58 int. tm alt							
	40	MATZ	▼▲▼	93.29-93.59 LOST							
				93.59-95.33 MGWK as above							
110			48	95.33-95.73 LOST							
	90	MGWK		95.73-106.26 MGWK as above dk-green to blk - bands							
			▼▼▼	of int. tm alt 10-50cm - diss qtz in tm bands							
			▲▲▲	12% - see sample descr							
			▲▲▲	qtzite horiz 10-40cm thick							
	30	MATZ	▼▲▼	106.26-109.76 MATZ light green, fine to med-grained							
			45	ph. alt, cut by qtz veins 5-4cm throughout							
				109.76-113.20 MGWK w 10-20cm wide zones of ints							
	30	MGWK		sl alt - brown clay beds							
120				113.20-117.51 MATZ as above							

ASST

13.66 ft (8.44 ft)

13.66 ft (8.44 ft)

PAGE 6 OF		PROJECT: O'Brien					HOLE No. 89-009					
MINERALIZATION DESCRIPTION		TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au 1pb	% Ag 1pm	% Cu 1pm	Pb 1pm	Zn 1pm	COMPOSITE ASSAYS As 1pm	
77.44-78.29 BRSV - brecciated massive Qtz (35%) frags (1 to >20cm in diam) in Tm (40%) + Tm-Qtz grs. Diss stringers (1-5mm) and pods (up to 3cm) intergran. pyr (15%), cpy (5%) and apy (5%)				85	4689	0.007 opt	3.1	436	16	29	7720	↑
78.29-78.43 BSSV .5-3cm wide cpy (35%) body 45% to CA crosscutting massive Qtz (45%) w Tm (10%) stringers (1mm) and pods (3x5mm) - minor assoc. py (10%) Cpy bands have irreg. wispy boundaries				14	4690	0.021 opt	7.3	1974	104	235	4270	↑
78.43-79.21 DSSV massive Qtz (and Qtz-Tm) (45%) cut by Tm (30%) pods (.5-3cm) and stringers (1-10mm) disp. v. py clots (1-5mm) (15%) and diss cpy (5%) + apy (5%)				78	4691	0.011 opt	1.5	160	14	62	5930	↑
79.21-79.43 MSSV massive Qtz (30%) and massive pyr (35%) forming clots (1-10mm) and nod. dist. band (13cm) Tm (20%) forms clots (1-5mm) and stringers (1-2mm) w diss apy (10%) + cpy (5%) clots (3-8mm)				22	4692	0.040 opt	76.4	18400	88	560	12700	↑
79.43-79.86 BRSV massive Qtz and Tm frags (>10cm) in Qtz-Tm-pyr mix - also py-Tm stringers (1-3mm) Q (45%) - Tm (46%) - py (20%)				43	4693	0.012 opt	7.8	1471	21	75	9560	↑
79.86-81.03 DSSV massive Qtz (55%) w Tm bands (2.5-6cm) and stringers (1-3mm) locally w assoc. py (13%) and apy (2%)				117	4694	0.026 opt	2.9	463	61	45	7540	↑
81.03-81.14 MSSV massive intergranular Tm (40%) pyr (30%) - Qtz (25%) - apy (5%) (81.14-82.65)				11	4695	0.028 opt	35.7	12500	49	525	17800	↑
82.65-83.45 MGSV int. argill. alt cut by Qtz (1cm-73° to CA) + py-Tm stringers 28° to				8	4696	32	0.9	154	3	33	160	↑
83.45-83.64 MGSV w int. sil. - Qtz (80%) Tm-py pods (1-8mm) and stringers (1mm)				19	4697	16	1.0	332	6	19	90	↑
83.64-84.45 MATZ argill. alt w irreg. Qtz pods (1-2cm)				81	4698	15	0.4	72	6	12	40	↑
84.45-85.10 same as 4698 - 25cm wide Qtz vein w py-Tm stringers in center interval				65	4699	31	0.6	117	24	42	80	↑
85.10-85.34 BSSV massive Qtz (45%) cut by 5cm wide Tm (20%) - py (15%) - apy (20%) w 1% cpy vein @ 043° to CA Apy c-gr (3-2mm) - intergran w v. fine py in Tm mix				24	4700	0.127 opt	6.9	1183	46	85	61400	↑
85.34-85.71 MATZ 5 Qtz-Tm-py (53%) veins (1-2cm) and stringers (<1mm)				37	4701	0.003 opt	2.4	240	77	154	450	↑
85.71-86.34 mass Qtz (45%) w Tm veins + stringers 854° to CA cut by stringers of py + apy @ 17° to CA Tm (25%) - pyr (30%) - apy (10%)				63	4702	0.005 opt	3.5	440	42	87	15500	↑

21,683

PAGE 8 OF		PROJECT: O'Brien					HOLE No. 89-009				
MINERALIZATION DESCRIPTION		TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS
						ppb	ppm	ppm	ppm	ppm	ppm
86.34 - 86.88 BRSV Im + qtz frags (5mm) in Im + qtz mx - cut by qtz - Im veins w diss py (10%) and apy (5%)				.54	4703	0.002 opt	1.6	204	16	30	12090
86.88 - 87.19 DSSV massive qtz (80%) w Im (20%) pods (1-3mm) and diss py (10%) + apy clots (2-4mm)				.31	4704	0.207 opt	4.9	540	63	112	94600
87.19 - 87.50 BRSV br + qtz + 25% in tan (10%) mix w diss py (10%) + apy (5%)				.31	4705	0.006 opt	8.9	2817	23	478	6080
87.50 - 88.84 MGWK w qtz veins and diss Im + qtz frags				1.34	4706	0.003 opt	1.6	304	1	103	2620
88.84 - 89.20 massive qtz w Im bands (1-5cm) and py - apy - Im veins 1-4cm @ 74° + 22° to CA				.36	4707	0.006 opt	7.6	1304	23	69	6970
In one vein qtz forms cockade text e magy int lld by Im (60%) w diss py - apy clots (1-4mm)											
89.2 - 90.24 massive Im (80%) cut by 2° qtz (10%) - py (5%) - apy (5%) veins 5-1.5cm				1.04	4708	0.002 opt	1.2	231	2	39	2650
90.24 - 90.48 same as 4708				.24	4720	0.003 opt	2.6	217	4	80	8400
90.48 - 91.2 integration py (75%) - Im (30%) - qtz (25%) - apy (5%)				.72	4709	0.017 opt	7.0	1767	48	126	17200
qtz is locally brecciated - frags 5mm - 2cm											
92.07 - 93.04 MGWK w zones of Im alt (14cm) and qtz stringers				1.0	4710	0.003 opt	0.4	34	49	71	<10
93.07 - 93.29 (93.29 - 93.59 lost) 93.59 - 94.21 same as 4710 (.22 + .62)				.84	4711		55	0.5	40	46	100
96.43 - 96.56 MGWK int. Im alt + qtz veins 50° to CA				0.16	4712		193	0.2	15	3	3940
97.56 - 98.5 MGWK as above (4712)				0.94	4713		357	0.2	5	13	1140
98.5 - 99.39 MGWK w mod Im alt + argill alt				0.89	4714		41	0.2	17	3	130
99.39 - 99.71 MGWK sil. w qtz 4cm wide 070 to ca cut by py stringers (1mm) @ 020 to ca				0.22	4715		27	0.3	7	5	600
99.71 - 99.94 MGWK w intensive Im alt				0.23	4716		138	<0.1	4	3	13
100.18 - 101.46 MGWK w int sil.				0.22	4717		15	0.1	14	4	14
102.58 - 103.58 MGWK - mostly MATZ, light green int. sil. cut by Im stringers 020 to ca				1.0	4718		<10	0.2	37	5	16
103.58 - 104.58 same as (4718)				1.0	4719		21	0.7	8	10	15
109.76 - 110.37 MGWK int sil - qtz - Im veins 5cm - 060° to ca, < 2% diss py				.61	4721		19	0.5	11	2	5
111.15 - 111.97 MGWK same as 4721				.82	4722		<10	0.5	10	1	10
112.28 - 113.2 MGWK int phil. alt.				.92	4723		12	0.4	23	4	40
114.90 - 115.5 MATZ intensely sil - massive minor Im bands - stringers				.60	4724		21	1.2	2	40	34
128.47 - 128.29 MGWK w int sil + qtz veins 1-3cm wide				.82	4725		10	0.3	3	<1	23

As 3.55ppm
0.193ppm
0.1mc @ 0.193ppm
AJ vein

September 14, 1989

Total Energold Corp
21 - 1114 - 1st Ave
Whitehorse, Yukon
Y1A 1A3

ASSAY CERTIFICATE

Work Order # 29186

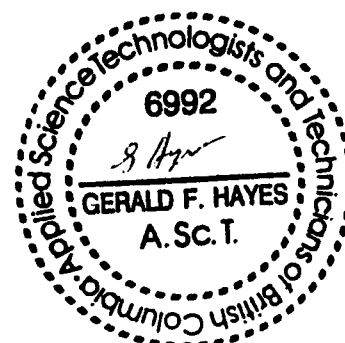
File # 29186a

PO# 3681

Sample	ppb Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm As
4661	33	<0.1	125	8	20	<10
4662	12	<0.1	54	12	15	90
4663	12	0.1	60	8	20	40
4664	14	<0.1	104	8	19	130
4665	17	<0.1	59	6	9	60
4666	<10	0.2	45	13	12	<10
4667	<10	<0.1	17	10	9	40
4668	28	0.5	273	6	17	60
4669	13	0.1	5	12	12	110
4670	<10	0.1	86	13	20	40
4671	<10	<0.1	58	19	22	<10
4672	<10	<0.1	71	11	16	20
4673	70	<0.1	75	18	17	<10
4674	<10	<0.1	91	6	15	<10
4675	14	0.7	184	21	27	160
4676	<10	1.7	283	18	24	20
4677	<10	1.9	544	14	40	<10
4678	37	1.6	450	23	44	3300

Au -- 15g Fire Assay/AAS

Metals -- Aqua Regia Digestion/AAS



September 14, 1989

Total Energold Corp
21 - 1114 - 1st Ave
Whitehorse, Yukon
Y1A 1A3

ASSAY CERTIFICATE

Work Order # 29186

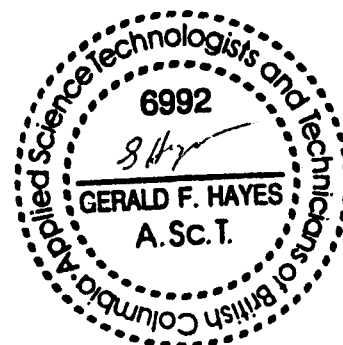
File # 29186c

PO# 3681

Sample	ppb Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm As
4682	14	2.4	450	19	90	40
4683	<10	0.2	100	15	58	110
4684	28	0.2	117	3	17	<10
4685	<10	0.1	70	4	11	<10
4686	<10	0.4	147	10	24	30
4687	23	0.9	395	26	57	40
4688	19	1.9	524	20	49	80
4696	32	0.9	154	3	33	160
4697	16	1.0	332	6	19	90
4698	15	0.4	72	6	12	40
4699	31	0.6	117	24	42	80
4711	55	0.5	40	46	102	100
4712	193	0.2	15	3	9	3940
4713	357	0.2	5	13	9	1140
4714	41	0.2	17	3	15	130
4715	27	0.3	7	5	19	600
4716	138	<0.1	4	3	13	670
4717	15	0.1	14	4	14	120
4718	<10	0.2	37	5	16	90
4719	21	0.7	8	10	15	160
4721	19	0.5	11	2	5	20
4722	<10	0.5	10	1	10	10
4723	12	0.4	23	4	40	<10
4724	21	1.2	2	40	34	<10
4725	10	0.3	3	<1	23	<10
4729	10	0.6	19	6	14	<10

Au -- 15g Fire Assay/AAS

Metals -- Aqua Regia Digestion/AAS



September 14, 1989

Total Energold Corp
21 - 1114 - 1st Ave
Whitehorse, Yukon
Y1A 1A3

4681

ASSAY CERTIFICATE

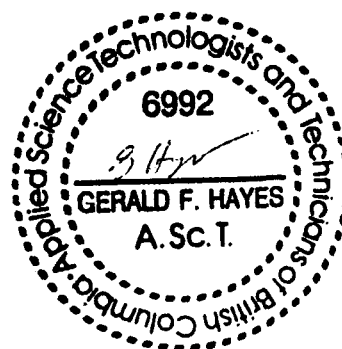
Work Order # 29186

File # 29186b

PO# 3681

Sample	oz/t Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm As
4679	0.081	269.8	58990	93	2290	26700
4680	0.006	2.5	893	45	110	280
4689	0.007	3.1	436	16	29	7720
4690	0.021	7.3	1974	104	235	4270
4691	0.011	1.5	160	14	62	5930
4692	0.040	76.4	18400	88	560	12700
4693	0.012	7.8	1471	21	75	9560
4694	0.026	2.9	463	61	45	7540
4695	0.028	35.7	12500	49	525	17800
4700	0.127	6.9	1183	46	85	61400
4701	0.003	2.4	240	77	154	450
4702	0.005	3.5	440	42	87	15500
4703	0.002	1.6	204	16	30	12090
4704	0.207	4.9	540	63	112	94600
4705	0.006	8.9	2817	23	478	6080
4706	0.003	1.6	304	1	103	2620
4707	0.006	7.6	1304	23	69	6970
4708	0.002	1.2	231	2	39	2650
4709	0.012	7.0	1767	48	126	17200
4710	0.003	0.4	34	49	71	<10
4720	0.003	2.6	217	4	80	8400
4726	<0.002	0.7	12	<1	18	370
4727	0.016	7.9	806	48	55	2267
4728	0.004	0.3	129	<1	19	<10

Au -- 15g Fire Assay/AAS
Metals -- Aqua Regia Digestion/AAS



B.C. Clegg & Company Ltd.
1000 Camberton Ave.
North Vancouver, B.C.
V7P 2R5
(604) 985-0681 Telex 04-352667



Certificate of Analysis

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V89-06422.4

DATE PRINTED: 29-SEP-89

PROJECT: O'BRIEN

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT
------------------	------------------	-----------

R2 4642		0.012
R2 4643		<0.002
R2 4644		0.006
R2 4645		0.030
R2 4646		0.050

89-008

R2 4647		0.033
R2 4689		0.009
R2 4690		0.016
R2 4691		0.020
R2 4692		0.042

R2 4693		0.011
R2 4694		0.012
R2 4695		0.029
R2 4696		<0.002
R2 4697		<0.002

R2 4698		<0.002
R2 4699		<0.002
R2 4700		0.140
R2 4701		<0.002
R2 4702		0.005

89009

R2 4703		0.003
R2 4704		0.249
R2 4705		0.022
R2 4706		0.004
R2 4707		0.018

R2 4708		<0.002
R2 4709		0.015

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
V7P 2R5
(604) 985-0681 Telex 04-352667



Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

DATE PRINTED: 3-OCT-89

REPORT: V89-06422.0

PROJECT: O'BRIEN

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM
R2 4642		1.8	419	20	20
R2 4643		0.7	126	52	82
R2 4644		10.5	826	59	68
R2 4645		18.0	2817	33	172
R2 4646		5.2	816	13	31
R2 4647		2.2	335	9	23
R2 4689		2.7	385	13	25
R2 4690		2.2	409	22	55
R2 4691		2.6	459	24	60
R2 4692		>50.0	12578	42	577
R2 4693		6.8	1168	21	66
R2 4694		2.8	327	38	37
R2 4695		29.7	8279	63	430
R2 4696		0.6	132	11	30
R2 4697		1.6	515	12	35
R2 4698		0.2	77	11	11
R2 4699		0.6	157	32	58
R2 4700		6.2	856	31	63
R2 4701		1.9	249	73	127
R2 4702		2.8	393	64	114
R2 4703		1.2	118	18	20
R2 4704		4.5	407	45	91
R2 4705		5.8	1653	32	546
R2 4706		1.1	140	13	51
R2 4707		6.5	1418	23	84
R2 4708		2.4	455	9	44
R2 4709		4.0	933	17	73

AJ-89-008

AJ-89-009

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
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Certificate of Analysis

DATE PRINTED: 6-OCT-89

PROJECT: O'BRIEN

PAGE 1

REPORT: V89-06422.6

SAMPLE NUMBER	ELEMENT UNITS	Ag OPT
R2 4692		1.76

A handwritten signature in dark ink, appearing to read 'R. K. O'Brien', is located at the bottom right of the page.

Bondar-Clegg & Company Ltd.
1000 Camberton Ave.
North Vancouver, B.C.
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REPORT: V89-06422.6

DATE PRINTED: 6-OCT-89

PROJECT: O'BRIEN

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag OPT
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R2 4692		1.76
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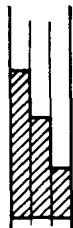
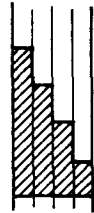
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----- PLAN PLOT -----				----- LONGITUDINAL PLOT -----				----- SECTION PLOT -----	
LENGTH	AZIMUTH	DIP	HORZ	ELEV	DIST FROM BL	SECTION	SEC OFFSET	DESCRIPTION	
0.00	35.00	-44.00	0.00	1410.00	81.30 S	6.0 E	6.70 E	COLLAR	
14.06	35.00	-44.00	10.11	1400.24	73.02 S	7.0 E	13.00 E	X-SECTION	
30.49	35.00	-46.83	21.93	1398.82	63.33 S	7.0 E	5.72 W	DIP CHANGE	
45.07	35.00	-46.83	31.91	1378.19	55.16 S	7.0 E	0.00 E	CL-SECTION	
58.54	35.00	-46.83	41.12	1368.36	47.61 S	7.0 E	5.29 E	HW->DSSV	
59.52	35.00	-46.83	41.79	1367.65	47.07 S	7.0 E	5.67 E	FW->DSSV	
60.67	35.00	-46.83	42.58	1366.81	46.42 S	7.0 E	6.12 E	HW->MSSV	
61.07	35.00	-46.83	42.85	1366.52	46.20 S	7.0 E	6.28 E	FW->MSSV	
61.89	35.00	-46.83	43.41	1365.92	45.74 S	7.0 E	6.60 E	HW->DSSV	
62.50	35.00	-46.83	43.83	1365.47	45.40 S	7.0 E	6.84 E	FW->DSSV	
76.92	35.00	-46.83	53.70	1354.95	37.31 S	8.0 E	13.00 E	X-SECTION	
79.27	35.00	-46.83	55.30	1353.24	36.00 S	8.0 E	11.58 W	HW->MSSV	
79.62	35.00	-46.83	55.54	1352.99	35.80 S	8.0 E	11.44 W	FW->MSSV	
86.89	35.00	-45.00	60.52	1347.68	31.73 S	8.0 E	8.59 W	DIP CHANGE	
103.00	35.00	-45.00	71.91	1336.29	22.40 S	8.0 E	2.06 W	HW->MSSV	
103.81	35.00	-45.00	72.48	1335.72	21.93 S	8.0 E	1.73 W	FW->MSSV	
108.07	35.00	-45.00	75.49	1332.71	19.46 S	8.0 E	0.00 E	CL-SECTION	
112.80	0.00	0.00	78.84	1329.36	16.72 S	8.0 E	1.92 E	END OF HOLE	

TOTAL ERICKSON RESOURCES LTD.

MINERALS SECTION

DRILL LOG

PROJECT O'Brien	GROUND ELEV. 1410m
HOLE No. AS89-010	BEARING 035°
LOCATION 32043.6N 37901.3E	DIP -44
	TOTAL LENGTH 112.80
LOGGED BY HS Pelletier and Terry Tucker	HORIZONTAL PROJECT
DATE Sept. 8, 1989	VERTICAL PROJECT
CONTRACTOR DJ Drilling	ALTERATION SCALE  - absent - slight - moderate - intense
CORE SIZE NQ	
DATE STARTED SEPT 5, 1989	
DATE COMPLETED SEPT 8, 1989	TOTAL SULPHIDE SCALE  - traces only < 1% 1% - 3% 3% - 10% > 10%
PIP TESTS (uncorrected) - 54.5° @ 200' (60.98m) - 46.5° (corrected) (uncorrected) - 53° @ 370' (112.80m) - 45° (corrected)	
COMMENTS	LEGEND

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	sulph vein intens
					sil A	phil B	tn C	arg D	E		
0				0-9.15 OVERBURDEN(?) no core recovery							
5				9.15-10.91 MGWK (very broken) dk grey colored - comp pred of argillite to f-gr greywacke - beds 1.5-2cm thin brown bands assoc w tm(?) stringers to bedding							
				10.91-12.19 LOST upper greenschist, lower amphibolites							
				12.19-12.47 MGWK as above high temp - metamorphosed							
				12.47-13.72 LOST							
				13.72-14.02 MGWK as above							
				14.02-14.33 LOST							
10				14.33-14.62 MGWK as above							
				14.62-17.38 LOST							
				17.38-18.33 MGWK light brown to pink colored argillite, argillaceous above - white where qtz-repl - cut by qtz-py stringers (5cm)							
				throughout 45° to cm							
5				18.33-18.59 LOST							
				18.59-21.82 MGWK as above qtz veins 1mm-3cm random dir opals (1x5) minor tm-py stringers (1-3cm) and pods (2-3mm)							
				21.82-22.26 LOST							
20				22.26-24.00 MGWK as above tan to pink colored where most int sil, green to grey other wise							
				23.0-23.40 breccia qtz-mgwk frags in argill mx							
				24.00-24.39 LOST							
5				24.39-24.68 MGWK as above? (v. broken)							
				24.68-27.13 LOST							
				27.13-28.53 MGWK as above - fresh green-grey colored							
				28.53-28.96 LOST							
				28.96-47.88 MGWK pred int sil to AR bed @ 34.50							
30				47.88-49.47 DI-D fairly unaltered 10-15% f-gr (1-2mm) phylites, 10% 10-15% f-gr (1-2mm) phylites, 10% 10-15% f-gr (1-2mm) phylites, 10% 10-15% f-gr (1-2mm) phylites, 10%							
5				49.47-51.00 DI-D fairly unaltered 10-15% f-gr (1-2mm) phylites, 10% 10-15% f-gr (1-2mm) phylites, 10% 10-15% f-gr (1-2mm) phylites, 10%							

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%			COMPOSITE ASSAYS		
					Au	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm
18.65-19.35 MGWK silice -atz veins (1.5-1cm) Im-py str. veins, 1-5mm, 1%			0.7	4730	<10	.1	49	11	25	40
20.12-20.65 MGWK quartz vein 2mm wide in center intv, barren - <1% disc py clots 1x2mm - bit silbds			.53	4731	22	0.1	143	12	70	50
20.65-20.80 MATZ br fgr mass qtz cut by random Im stringers 1mm to 1.5cm wide bedform (2-5mm) ground Im-py vein @ 50% to 60% after folded self vein in next intv. Parali 4mm wide Im-py v - shows minerals			.25	4732	.013 ^{opt}	5.9	955	3	61	360
20.80-21.19 MGWK Im-py repl in bed parali lens layers <1% py, lens 2-3mm wide - prob. repl. qtz bed parali to 6mm wide green qtz bed			0.39	4733	279	0.3	183	14	29	550
21.19-21.42 MGWK - beautiful folded mass py v upar qtz bed - string of coarse gr py v in upper			.73	4734	0.024 ^{opt}	<.1	328	1	19	<10
28.96-29.96 MGWK - shows cl (rounded) dr - ore sil 0.88 narrow cft zone sample 29.60m - shows both tan light gralts.			1.0	4735	<10	<0.1	55	6	10	50
29.99-30.00 MGWK highly sil, att light green, glassy 2. MGWK sil, 1 mm wide Im (<5%) py (<1%) pol. str.			1.01	4736	<10	<0.1	38	10	12	80
30.0-31.63 MGWK - typical lith dk gr dk - scratches 15gr sil alt last 10mm of intv - thin at bed			1.63	4737	<10	<0.1	49	4	9	120
31.63-32.53 MGWK highly sil - 15gr sil - Im str (1.5%)			0.9	4738	<10	0.1	12	1	15	110
32.53-33.53 same as 4738			1.0	4739	<10	0.1	47	12	13	100
33.53-34.50 Sil ALT zone to next MGWK can see m-gr stibbed so qtz (parali) at bottom			0.97	4740	<10	<0.1	26	17	16	70
34.50-35.35 same as 4740 - silv big to di dms MGWK			0.85	4741	<10	<0.1	25	8	19	10
35.35-35.63 intensive sil Im str @ 27% to 30%			0.28	4742	14	<0.1	42	22	20	30
35.63-36.68 MGWK - Typ, cl kbr to gr - sil highly sil - qtz veins silvying out - 17cm vein @ 40%			1.05	4743	11	<0.1	77	20	19	<10
36.68-37.38 same as 4743			0.7	4744	14	<0.1	34	12	14	<10
37.10-37.20										
40.30-41.30 MGWK - QU 4-20033cm wide @ 41.00 py Im str (1.3mm) @ 30% to 40% Adjux vein			1.0	4745	<10	<0.1	43	18	26	<10
53.0-53.53 MGWK - QU and minor Im veining.			.53	4746	<10	<0.1	24	10	20	20
56.1-57.37 MGWK - minor QU and Im			1.37	4747	<10	<0.1	40	4	15	<10
57.9-58.54 MGWK minor QU			0.64	4748	<10	<0.1	69	2	16	150
58.54-58.64 BSSV massive py/cpy Im vein brecciated in part			.1	4749	.027 ^{opt}	22	2628	57	338	13300

450
TTL

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	Sph 3.5
					sil A	phl B	tm C	arg D	E		
47-50.90		MGWK		41.3 MGWK by grain but ess. unalt 48-80-49.20 - 10% discs of clots 1-2mm light to dark grey in color with minor (<10%) bands of pink and green. >70% quartz in veins (sweats) veins have been deformed ductally and have later been locally sheared intensely silicified in part with prominent fracture set @ 55° TCA. Minor py/tm stringers							
50.9-52.26	LOST			LOST							
52.26-53.96	MGWK			MGWK aa, generally black, Frac 0° TCA							
53.96-54.48	LOST			LOST							
54.48-54.88	MGWK			MGWK - as above. minor QV (<5%)							
54.88-56.1	LOST			LOST							
56.1-57.37	MGWK			MGWK as above minor QV (<5%)							
57.37-57.9	LOST			LOST							
57.9-58.54	DSSV			MGWK approx 20cm lost in this interval. geology much as in 48.47-50.9 although only 10% QV and generally they are light green to black in color. Bedding? Tends to range from 1-3cm in thick. 2nd VEIN DSSV - tm Cpy/ps mineralization occurs within MGWK with thin (<3mm) argillate beds. The argillites are extremely deformed locally. Sulphides predominantly found in fractures >1mm in width and locally find BSSV @ 58.54-58.64 and 59.27-59.52							
58.54-59.52	DSSV			DSSV - tm Cpy/ps mineralization							
59.52-60.67	LOST			LOST							
60.67-61.07	MGWK			MGWK aa, generally black, Frac 0° TCA							
61.07-61.89	LOST			LOST							

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%	Pb	Zn	As	COMPOSITE ASSAYS
					Au	Ag	Cu				
58.64-59.27 DSSV py/cpy tm throughout section. Fournier fractures and up to 3cm in width. Moderately brecciated in minor MGWK bands/MQTZ 20% sulphides			0.83	4750	.042	2.4	1156	10	59	60	
59.27-59.52 BSSV lcpylapyl vein 4cm wide in interval			0.25	4774	0.009	3.0	1208	13	38	1210	
60.67-61.07 MSSV massive py/tm cpy vein - brecciated in tm. shilling fractures			0.4	4751	.046	19.2	2472	180	554	2600	
61.89-62.20 DSSV disseminated py/cpy apy vein in quartz (MQTZ) 1cm apy vein ~ 0° tca. along 20 cm of section assoc in intense tm.			0.31	4752	.056	12.1	1550	71	821	10810	
62.20-62.50 DSSV Qtz breccia in py/lcpyltm minor apy infilling matrix. Brecciated in part old be BRSV			0.30	4753	.013	3.6	534	720	1090	450	
63.87-64.32 MQTZ minor tm/py along fractures			0.45	4754	<10	0.1	93	18	52	<10	
65.82-66.1 MQTZ as above			0.28	4755	<10	<0.1	24	13	25	<10	
69.1-69.4 MQTZ in minor qtz tm veins/minor py			.30	4756	<10	<0.1	49	14	36	30	
71.84-72.36 MQTZ brecciated in minor <2% veins of py/tm			0.52	4757	20	0.5	25	54	61	<10	
73.48-74.48 MQTZ in minor tm/py minor Qtz			1.0	4758	<10	0.1	21	41	52	50	
75.72-76.52 MQTZ minor py/qu			0.8	4759	16	0.2	35	23	57	160	
79.27-79.62 MSSV massive tm vein in pyrite lcpylminor apy brecciated in part			0.35	4760	.018	26.6	2576	71	796	8770	
79.62-80.17 MGWK extremely blecc in minor tm			0.55	4761	<10	<0.1	58	19	41	40	
							→ top ag = 8				

PAGE 7 OF		PROJECT: O'BRIEN				HOLE No. 89-010						
DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					A	B	C	D	E			
80.17-82.63				LOST								
82.63-83.05				MQTZ med grained								
				altered gabbro minor tm along fracture.								
83.05-84.51				LOST								
84.51-85.51				MGWK - as above with minor								
				MQTZ bed within the interval								
85.51-86.69				LOST								
86.69-92.26				MGWK as above								
				predominantly MGWK but does								
				contain minor MQTZ beds @								
				86.69-86.79 / 87.1-87.2 /								
				89.65-90.0. These are extremely								
				siliceous with minor phyllic alteration								
92.26-92.68				LOST								
92.68-103.0				MGWK predominantly dk black								
				with light pink/brown/green bands								
				Slightly siliceous w occasional								
				bands of intense argillic/siliceous								
				alteration. Beds show local								
				intense deformation and brecc								
				Fractures ~ 35° + ca infilled								
				w green clays and minor calcite.								
				Some <1% secondary qtz veining								
				cutting (70° TCA) but 2mm in								
				width. Moderately silicified about veins								
				101.83-102.0 Tm w minor py								
				along frac & disseminated								
103.0-103.8				MQTZ 2% py w minor tm?								
				Massive quartzite w intervals								
				of MGWK. Extremely								
				silicified with 2% py present								
				along fractures. Clay alteration								
				(green) along fractures								
103.81-104.51				MQTZ green medium grained quartzite								
				minor py <1% and tm along fracture.								
104.51-105.11				LOST								
105.11-106.41				MQTZ as above ^{minor} MGWK bands 10cm								
				in width. Coarse grained in part								
				to brecciated siliceous alteration								

02.37

September 21, 1989

Total Energold Corp
21 - 1114 - 1st Ave
Whitehorse, Yukon
Y1A 1A3

AJ-89-010

ASSAY CERTIFICATE

Work Order # 29197

File # 29197c

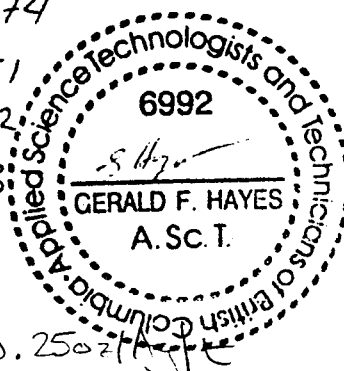
PO# 3117

Sample (m)	oz/t Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm As
4732	0.013	5.9	955	3	61	360
4734	0.024	<0.1	328	1	19	<10
4749 0.1m	0.027	22.0	2628	57	338	13300
4750 0.63	0.042	2.4	1156	10	59	60
4751 0.4	0.046	19.2	2472	180	554	2600
4752 0.31	0.051	12.1	1550	71	821	10810
4753 0.30	0.013	3.6	534	720	1090	450
4760	0.018	26.6	2576	71	796	8770
4774 0.25	0.009	3.0	1208	13	38	12110

Au -- 1AT Fire Assay/Grav
Metals -- Aqua Regia Digestion/AAS

85ppm
0.0202 oz/t = 1g = 9 =

58.54-58.64m	0.1m	0.027opt	4749
58.64 - 59.27m	0.63m	0.042opt	4750.
59.27-59.52m	0.25m	0.009opt	4774
60.67- 61.07m	0.40m	0.046opt	4751
61.89-62.20m	0.31	0.051opt	4752
62.2 - 62.50	0.30	0.013opt	4753



→ 1.99m of core assayed average of 0.0349 opt Au

but represents interval of 3.96 m (50.3% core loss) ∴ 0.0176 opt Au
0.125 opt Au

September 21, 1989

Total Energold Corp
21 - 1114 - 1st Ave
Whitehorse, Yukon
Y1A 1A3

ASSAY CERTIFICATE

Work Order # 29197

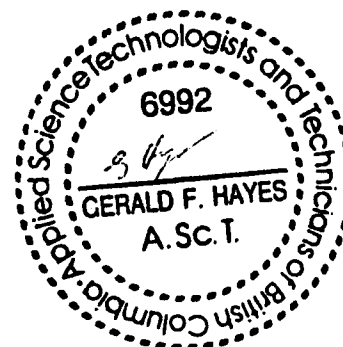
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PO# 3117

Sample	ppb Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm As
4730	<10	0.1	49	11	25	40
4731	22	0.1	143	12	20	50
4733	279	0.3	183	14	29	550
4735	<10	<0.1	55	6	10	50
4736	<10	<0.1	38	10	12	80
4737	<10	<0.1	49	4	9	120
4738	<10	0.1	12	1	15	110
4739	<10	0.1	47	12	13	100
4740	<10	<0.1	26	17	16	70
4741	<10	<0.1	25	8	19	10
4742	14	<0.1	42	22	20	30
4743	11	<0.1	77	20	19	<10
4744	14	<0.1	34	12	14	<10
4745	<10	<0.1	43	18	26	<10
4746	<10	<0.1	24	10	20	20
4747	<10	<0.1	40	4	15	<10
4748	<10	<0.1	69	2	16	150
4754	<10	0.1	93	18	52	<10
4755	<10	<0.1	24	13	25	<10
4756	<10	<0.1	49	14	36	30

Au -- 15g Fire Assay/AAS

Metals -- Aqua Regia Digestion/AAS



06952
1.99

September 21, 1989

Total Energold Corp
21 - 1114 - 1st Ave
Whitehorse, Yukon
Y1A 1A3

ASSAY CERTIFICATE

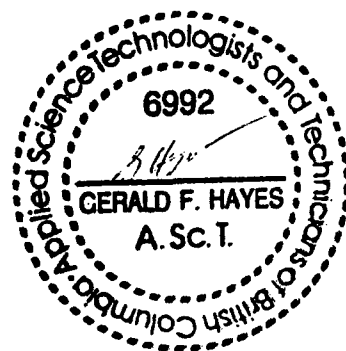
Work Order # 29197

File # 29197b

PO# 3117

Sample	ppb Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm As
4757	20	0.5	25	54	61	<10
4758	<10	0.1	21	41	52	50
4759	16	0.2	35	23	57	160
4761	<10	<0.1	58	19	41	40
4762	10	<0.1	12	26	40	<10
4763	10	<0.1	5	16	20	170
4764	20	<0.1	7	11	15	110
4765	15	<0.1	38	11	30	<10
4766	23	<0.1	44	7	33	60
4767	17	<0.1	9	11	19	<10
4768	12	<0.1	6	14	16	<10
4769	12	<0.1	15	8	35	<10
4770	20	<0.1	21	25	20	20
4771	20	<0.1	11	10	15	80
4772	<10	<0.1	6	32	44	20
4773	16	<0.1	5	18	25	20

Au -- 15g Fire Assay/AAS
Metals -- Aqua Regia Digestion/AAS



CAVENDISH ANALYTICAL LABORATORY LTD.

CERTIFICATE OF ANALYSIS

2225 S. Springer Ave., Burnaby,
British Columbia, Can. V5B 3M1
Ph:(604)299-2560 Fax:299-6252

TO : NORTHERN ANALYTICAL LAB LTD.
105 COPPER RD.
WHITEHORSE YUKON
PROJECT : 29197
TYPE OF ANALYSIS : ICP

CERTIFICATE # : 890925B1
INVOICE # : SEPT 89
DATE ENTERED : 89/09/27
FILE NAME : ICP925B1
PAGE # : 1

PRE FIX	SAMPLE NAME	PPM MO	PPM CU	PPM PB	PPM ZN	PPM AG	PPM NI	PPM CO	PPM MN	% FE	PPM AS	PPM U	PPM AU	PPM HG	PPM SR	PPM CD	PPM SB	PPM BI	PPM V	% CA	% P	PPM LA	PPM CR	% MG	PPM BA	% TI	PPM B	% AL	% NA	% SI	PPM W	PPM BE
	4732	10	794	16	54	3.0	43	12	141	4.17	594	NA	ND	ND	10	1	2	2	4	0.89	0.17	11	54	0.02	8	0.01	375	0.09	0.01	0.01	72	1
	4734	24	312	1	24	0.8	92	9	125	4.52	12	NA	ND	ND	10	1	2	2	130	0.37	0.05	16	63	0.27	61	0.04	231	0.62	0.02	0.01	1	2
	4749	9	8067	45	260	14.9	18	244	338	9.77	14961	NA	17	ND	11	11	68	2	1	0.74	0.05	55	39	0.02	6	0.01	411	0.08	0.01	0.01	13	1
	4750	6	1093	1	53	1.8	8	5	194	4.14	403	NA	ND	ND	14	1	3	2	1	0.45	0.04	22	51	0.06	26	0.01	347	0.25	0.01	0.01	2	1
	4751	7	3690	153	466	13.2	56	129	2065	8.33	2699	NA	6	ND	27	5	47	2	1	0.36	0.04	28	67	0.08	24	0.01	599	0.23	0.03	0.01	2	1
	4752	12	1523	49	691	7.5	77	307	2540	6.30	10779	NA	5	ND	40	2	57	2	1	0.48	0.03	5	77	0.02	24	0.01	5	0.09	0.03	0.01	1	1
	4753	2	509	612	899	0.8	43	151	5184	7.39	626	NA	7	ND	93	6	14	2	1	0.58	0.04	34	25	0.13	85	0.01	90	0.57	0.03	0.01	1	1
	4760	7	5314	63	634	19.0	35	150	3211	6.90	9003	NA	7	ND	11	7	62	2	1	1.34	0.06	9	34	0.21	11	0.01	5	0.41	0.02	0.01	8	1
	4774	7	1211	9	34	1.9	30	350	269	6.66	13597	NA	6	ND	11	2	70	2	1	0.76	0.04	21	54	0.04	14	0.01	14	0.12	0.05	0.01	4	1
	STDC	16	187	99	103	0.4	44	9	182	1.08	6	NA	ND	ND	19	1	3	2	13	0.33	0.04	5	95	0.42	90	0.02	7	0.23	0.03	0.01	11	1
	STDS	24	882	559	549	21.2	247	328	1032	3.38	316	NA	65	698	635	148	1014	258	115	0.41	2.57	1123	66	0.50	266	0.13	521	1.50	0.01	0.01	318	67

CERTIFIED BY :

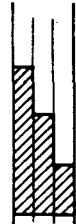
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 NORTHING... 31961.600
 EASTING... 37659.570
 ELEVATION... 1370
 BASELINE... AJ000
 TOTAL HORZ 83.6682
 TOTAL VERT -80.93018

----- PLAN PLOT -----				----- LONGITUDINAL PLOT -----				----- SECTION PLOT -----			
LENGTH	AZIMUTH	DIP	HORZ	ELEV	DIST FROM BL	SECTION	SEC OFFSET	DESCRIPTION			
0.00	340.00	-47.00	0.00	1370.00	163.30	S	3.0	W 75d	10.03	W	COLLAR
10.59	340.00	-47.00	7.22	1362.26	156.51	S	4.0	W	13.00	W	X-SECTION
30.49	340.00	-43.00	20.79	1347.70	143.76	S	4.0	W	7.86	E	DIP CHANGE
57.04	340.00	-43.00	40.21	1329.59	125.51	S	4.0	W	1.22	E	HW->MSSV
57.27	340.00	-43.00	40.38	1329.44	125.36	S	4.0	W	1.16	E	FW->MSSV
61.91	340.00	-43.00	43.77	1326.28	122.17	S	4.0	W	0.00	E	CL-SECTION
62.92	340.00	-43.00	44.51	1325.58	121.47	S	4.0	W	0.25	W	HW->DSSV
63.70	340.00	-43.00	45.08	1325.05	120.94	S	4.0	W 100d	0.45	W	FW->DSSV
63.70	340.00	-43.00	45.08	1325.05	120.94	S	4.0	W	0.45	W	HW->BSSV
64.00	340.00	-43.00	45.30	1324.85	120.73	S	4.0	W	0.52	W	FW->BSSV
64.00	340.00	-43.00	45.30	1324.85	120.73	S	4.0	W	0.52	W	HW->DSSV
64.37	340.00	-43.00	45.57	1324.60	120.48	S	4.0	W	0.62	W	FW->DSSV
64.37	340.00	-43.00	45.57	1324.60	120.48	S	4.0	W	0.62	W	HW->BSSV
64.63	340.00	-43.00	45.76	1324.42	120.30	S	4.0	W	0.68	W	HW->DSSV
64.63	340.00	-43.00	45.76	1324.42	120.30	S	4.0	W	0.68	W	FW->BSSV
65.40	340.00	-43.00	46.33	1323.89	119.77	S	4.0	W	0.87	W	FW->DSSV
65.40	340.00	-43.00	46.33	1323.89	119.77	S	4.0	W	0.87	W	HW->BSSV
65.70	340.00	-43.00	46.54	1323.69	119.56	S	4.0	W	0.95	W	FW->BSSV
79.30	340.00	-43.00	56.49	1314.41	110.22	S	4.0	W	4.35	W	HW->DSSV
79.90	340.00	-43.00	56.93	1314.00	109.80	S	4.0	W	4.50	W	FW->DSSV
88.72	340.00	-43.00	63.38	1307.99	103.74	S	4.0	W	6.71	W	DIP CHANGE
111.88	340.00	-43.00	80.32	1292.19	87.83	S	5.0	W 75d	13.00	W	X-SECTION
116.46	0.00	0.00	83.67	1289.07	84.68	S	5.0	W	11.35	E	END OF HOLE

TOTAL ERICKSON RESOURCES LTD.

MINERALS SECTION

DRILL LOG

PROJECT O BRIEN	GROUND ELEV. 1370m
HOLE No. AJ-89-011	BEARING 340°
LOCATION Cody Creek 31961.6N 37659.57E	DIP -47
LOGGED BY Terry L. Tucker and K.S. Pelletier	TOTAL LENGTH 116.46m
DATE	HORIZONTAL PROJECT
CONTRACTOR DJ	VERTICAL PROJECT
CORE SIZE NQ	ALTERATION SCALE  absent slight moderate intense
DATE STARTED	TOTAL SULPHIDE SCALE  traces only < 1% 1% - 3% 3% - 10% > 10%
DATE COMPLETED 12 SEPTEMBER 1989 1:30am	
DIP TESTS ACID TEST @ 60.98m (200') -43 corrected @ 116.46m (382') -51 -42° corrected	
COMMENTS	LEGEND

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	Sub %
					Sil A	Phy B	Tm C	Arg D	E		
48				57.04-57.27 MSSV see mineralization desc.							
		Dior		57.27-62.98 Dior, As above - fine to medium gr.							
	60		DD	62.92-63.70 DSSV @ 60.2 - bc							
			DD	63.7-64.0 BSSV							
			DD	64.0-64.37 DSSV							
			DD	64.37-64.63 BSSV							
	95		TS	64.63-65.4 DSSV contains bands of quartz vein with tmargy (py 2%)							
			TS	65.4-65.7 BSSV							
50				65.7- Dior as above See sampling for detail.							
				ALTERATION HALO OF AG VEIN							
				HARKIN WALL 57.04-57.27 DSSV narrow vein							
				57.04-62.98 CLOSE UP PHOTO - apy (20-25%) forms bands at mica vein (5-1cm) and c-gr (1-3mm) in v.fgr tm (60-65%) - minor gdt							
	90	Dior		Dior to 60.28m typ int sil + ser? alt 60.28-61.5 int. chl alt throughout intv. -very soft - no sil.							
60			P 15% TS	WT TM for 1st 15 cm at interval in 1cm wide assoc. mass apy veinlet (300 to 400) - tm @ margin GEOGEX Rx over next 8m, chl > 60% repl Dior clay like in zones - banded v light to dk green (tm?)							
		DSSV	TS	61.5-62.5 Dior - sil narrow (70cm) band of c-gr Dior - [P89.36] 62.5-62.7							
		BSSV	TS	62.92-65.7 [P89.33]							
	90	Dior	TS	[P89.38] 61.0-1 65.7-67.97 Chalky (v. soft) 65.75-85 light green colored, chlorite replaced Dior -fred aphanitic light to med colored bands (1cm -10cm) c-gr Dior @ 67.07-67.5 WT GEOGEX @ 67.5 to 67.97 J light green clay like material (breaks up easily) -probably int. ser indication?							
70			TS	[P89.39] 68.12-2 67.97-70.00 Dior in inter thermaliz. gradually dying out towards end intv. BEG MIN TO 68.65 dk green to blk - v.fgr tm + chlorite (30%) overc. its Dior - ped 1 x 3 and diss fgr in center interval (@ 69.7-69.9 [DSSV] mass gdt in center (5-1 x 77cm) - (10%) [DSSV] [DSSV]							
5											
	0										
50											

AS

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS
					ppb	ppm	ppm	ppm	ppm	As ppm
42.02-42.68 Tm chlorite altered diorite, brecciated & minor py along trace + disseminated.			.66	4785	122	4.1	409	74	384	3180
42.68-43.0 brecciated tm / calcite veins & limonite 1% apy/py/cpy in veins (1cm wide)			0.32	4786	464	0.6	36	18	83	24700
43.0-44.0 brecciated diorite in extreme clay alteration and minor <1% py			1.0	4787	57	0.3	15	25	52	20
44-44.65 2% sulphides: po/py/apy disseminated in an extremely siliceously altered zone. Contains a 12cm clay altered zone ~45°C A. Also contains light green (sericite) mineral (chlorite) which seems to be replacing feldspar and is also found in bands.			.65	4788	48	0.3	22	21	37	1680
49.92-50.32 Clay altered gouge in diorite & minor tm and extremely chloritized / sericitized			.40	4789	64	0.1	6	17	46	250
57.04-57.27 MSSV massive aspy/gtz/py vein within diorite minor sericite alteration			.23	4790	0.036 opt	40.1	4	5	34	54800
60.2-61.61 extremely chloritically and sericitically altered diorite			1.41	4791	96	0.1	4	19	41	3250
5mm wide apy vein @ 60.31 Brecciated in part										
61.61-62.37 DIOR as in description			0.76	4792	50	0.2	15	45	52	20
62.37-62.98 DIOR medium grained diorite chloritically / sericitized			.61	4793	54	0.3	6	18	36	50
62.98-63.70 DSSV massive quartz vein in 5% tm and disseminated sulphides. Chloritically altered / extremely suggy			.72	4794	0.002 opt	0.3	44	10	70	560
63.70-64.0 BSSV massive quartz apy (3%) py (5%) vein. Apy occurs in massive bands through interval			.3	4795	1.325 opt	3.5	633	18	38	77900

AJ Vein

2m @ 0.299 tmt (30T)

[illegible]

PAGE 6 OF		PROJECT: O'BRIEN		alt. names for property CODY - TOTH - BREWERY - AT			HOLE No. 89-014					
MINERALIZATION DESCRIPTION		TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au ppb	% Ag ppm	% Cu ppm	Pb ppm	Zn ppm	As ppm	COMPOSITE ASSAYS
64.0-64.37 DSSU - quartz vein w 1-2% dissemin. apy py - extremely vuggy texture				.37	4796	0.015 ppt	0.1	13	5	26	820	
64.37-64.63 BSSU banded disseminated apy + m in a quartz sericite matrix				.26	4797	0.440 ppt	0.8	6	14	69	61300	
64.63-65.4m DIOR w DSSU banded disseminated + m apy py in quartz sericite matrix / vein - minor calcite and banded in part				.77	4798	0.057 ppt	0.6	23	11	72	8640	
65.4-65.7 BSSU banded apy py gtz sericite chlorite vein zone brecciated in part				.3	4799	0.123 ppt	2.3	864	5	40	115900	
65.7-66.24 DIOR (Extremely chloritically/sericitized diorite with a 3cm band of massive apy/py/quartz sericite vein.				0.54	4800	0.02 ppt	0.7	250	18	55	5420	
66.24-67.07 DIOR. chloritic. sericitized diorite brecciated?				.83	4801	212	0.3	33	19	56	3290	
67.07-67.97 DIOR medium grained highly clay altered. w minor tm				.90	4802	53	0.2	7	32	51	140	
67.97-68.65 DIOR ^{int. tm (45-50%)} chloritically altered dk green with low degree of silicification				.68	4803	83	0.1	5	25	33	720	
68.65-69.17 DIOR minor tm				.52	4804	51	0.4	64	36	47	220	
69.17-69.70 DIOR chloritically altered yet contains 4 bands of ~1cm containing massive py / apy apy minor calcite Feldspars completely sericitized and minor disseminated py through much of section All veins ~40°C minor tm (5-10%) diss throughout				.53	4805	139	0.2	157	19	42	1360	
69.70-70.0 as above w a 10cm wide gtz apy py apy vein massive Sulphides banded in part 69.7-69.9 DSSU massive				.30	4806	0.132 ppt	0.7	642	7	26	30000	

AT VEIN 2.72m (1.80m)

3.76

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	SSV
					Sil. A	phyl B	tm C	D	E		
0	0	Basalt	nnn	65.7-79.3 continued from pg. 3		///					
30			nnn	70.00-72.26 Dior - essential - from core, dk grey colored, porph phg (25-30%) ^{light green} white, subhedral, 15-20% ^{light green} massive fgr - mx light green to maroon	///		///				
70				72.26-76.35 incr. tm alt, calc v	///						
				76.35-77.0 int tm alt	///						
				77.0-79.0 Gneiss light green - clay like texture	///						
90				79.3-79.9 DSSV	///						
				79.9-105.28 Dior	///						
90				80.32-81.25 Gneiss as above	///						
				See sample descr.	///						
				83.25-83.72 Dior w. feld dist tm - qtz	///						
		DIOR		83.72-88.82 Dior int sil alt, ^{light green} feldspar	///						
				pink - maroon mx -	///						
				88.82-95.18 int sil bleaches Dior to a	///						
				light pink to white color on polish surf (PS)	///						
				1 cm wide qtz vein (27° to core) @ 94m - sealed by	///						
				5+cm wide alt bands - dk green - chl? chl fract	///						
				+ bands (1-15cm) throughout - sometimes w. qtz cl. in core	///						
100			nnn	95.18-97.2 Zoned Dior	///						
				MAWK - dk purple cl, clots (1.5-5mm) pyroxenite	///						
				clots (up to 2cm) tm ^{light green} light colored bands (5-20cm)	///						
				cont chlorite bands & stringers	///						
				<u>PS 9.40</u> coll @ 96.25-96.34 shows bleached	///						
				chl banding & purple col. hor. Bds	///						
				97.2-105.28 Dior w. main chl + qtz bands	///						
				105.28-112.2 MAWK - int. hor. banded - dark purple - int sil. banding	///						
		MAWK		bio (15%) overprinting right & contact - rx compl. re. v. alt	///						
				105.7-107.13 mass qtz bands w. assoc. wh. py	///						
				ton - py stringers - see sample descr 4827 & 4828	///						
				Throughout rest intv, interday light ^{white} qtz rx layers	///						
				- prob. MQtz habit - ser -	///						
				pod Dior? @ 107.3 (only 15cm wide) - chl green	///						
				alt chl + tm stringers throughout	///						
			nnn	111.4-111.5 Gneiss - ser, tm, qtz in qtz rx	///						
			MQTE	hor. z	///						
				112.2-116.46 MQTE w. fgr - mass, compl. rextall qtz - highly fract,	///						
				alt. tanchl. feld & quartz 115.07-115.38 Gneiss	///						
				116.46 FOH	///						

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au Ag Cu			Pb ppm	Zn ppm	COMPOSITE ASSAYS	
					ppb	ppm	ppm			As ppm	
70.0-71.00 DIOR unalt.			1.0	4807	26	<0.1	40	22	37	260	
72.26-72.86 Dior w tm alt. v. fine diss tm (<15%) sec in bands, tm dk green Dior in 12mm			0.6	4808	30	0.4	74	20	33	60	
72.86-73.86 Dior silic., light pink mv w fine to ser. - cut by calc. str (1-5mm) 40° Taca			1.0	4809	16	0.6	11	19	32	40	
73.86 to 74.86 same as 4809 stringers die out at end. intv.			1.0	4810	16	0.5	4	25	26	10	
74.86-75.86 same as last @ 75.5 and sil beg ser alt. v. few calc stringers			1.0	4811	13	0.7	5	26	36	30	
75.86-76.35 DIOR w weak diss. tm (<10%)			.49	4812	<10	0.9	4	34	24	190	
76.35-77.0 Dior - w 7.65% tm-chl repl. alt., dk green to blk colored			.65	4813	0.012 ppt	<0.1	6	41	33	750	
77.0-78.0 Gneiss, light green, clay like text			1.0	4814	0.014 ppt	<0.1	27	25	78	3480	
78.0-79.0 same as 4814			1.0	4815	301	0.8	31	27	54	700	
79.0-79.3 DIOR int phy 11 alt			.3	4816	38	0.9	27	36	101	310	
79.3-79.9 DSSV mass Qtz (80%) w diss band tm (15%) and py (5%) clots (1x4mm)			.6	4817	0.072 ppt	0.3	237	14	58	18800	
79.9-80.32 DIOR int ser? alt white, very soft, clay like			.42	4818	141	0.3	1	<1	38	190	
80.32-80.79 Gneiss as in 4814			.47	4819	207	0.5	32	39	44	7100	
80.79-81.25 as in last sample but ser. alt decre. Towards end. intv.			.46	4820	16	0.4	38	19	56	430	
81.25-81.59 Dior w 7.60% tm, chl repl			.34	4821	15	0.1	50	31	57	160	
81.59-82.32 Dior w v. weak tm (<10%) repl. minor thin (1-3mm) calc veins @ 45° Taca			.73	4822	118	0.9	68	21	40	440	
82.32-83.25 Dior sil alt - minor tm filled fract.			.93	4823	13	0.3	8	27	66	60	
83.25-83.72 Dior w 15x6cm wide pd intergr. mass tm-chl (80%) - Qtz (20%)			.47	4824	<10	0.3	20	15	54	70	
83.72-84.45 Dior alt cut by thin calc str			.73	4825	21	0.5	10	16	46	40	
96.34-97.2 Mafic cont. 12cm wide chl (85%) tm (10%), diss f-gr pyrite (5-10%)			.86	4826	11	0.5	10	7	46	110	
105.7-106.25 mafic w bands (1-3cm) Qtz tm f-gr, intergran tm (10-15%), int sil			.55	4827	<10	0.3	14	11	40	890	
106.25-107.5 mafic mass Qtz w bands (1-5cm) f-gr mass tm (20-25%) and diss pyrite (5%)			1.25	4828	71	<0.1	24	14	19	2300	
111.0-112.0 mafic - (ts. sil) - tm-Qtz bands and gouge 1-10cm			1.0	4829	24	<0.1	2	20	18	270	
115.07-115.38 mafic 8cm wide ser band @ end intv			.31	4830	109	<0.1	14	25	13	1460	
119.0-119.0 mafic - (ts. sil) - tm-Qtz bands and gouge 1-10cm			.2	4831	53	<0.1	2	16	9	2370	

September 28, 1989

Total Energold Corp
21 - 1114 - 1st Ave
Whitehorse, Yukon
Y1A 1A3

AJ-89-011

ASSAY CERTIFICATE

Work Order # 29207

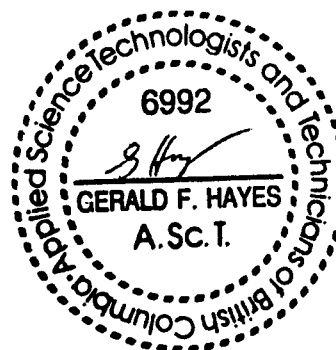
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PO# 3130

Sample	oz/t Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm As
4782	<0.002	3.8	569	11	28	2440
4784	<0.002	0.6	54	8	33	10880
4790	0.036	<0.1	4	5	34	54800
4794	0.002	0.3	44	10	70	560
4795	1.325	3.5	633	18	38	77900
4796	0.015	0.1	13	5	26	820
4797	0.440	0.8	6	14	69	61300
4798	0.057	0.6	23	11	72	8640
4799	0.123	2.3	864	5	40	115900
4806	0.132	0.7	642	7	26	30000
4813	0.012	<0.1	6	41	33	750
4814	0.014	<0.1	27	25	78	3480
4817	0.072	0.3	237	14	58	18800

Au -- 1AT Fire Assay/AAS

Metals -- Aqua Regia Digestion/AAS



AJ89-011

September 28, 1989

Total Energold Corp
21 - 1114 - 1st Ave
Whitehorse, Yukon
Y1A 1A3

ASSAY CERTIFICATE

Work Order # 29207

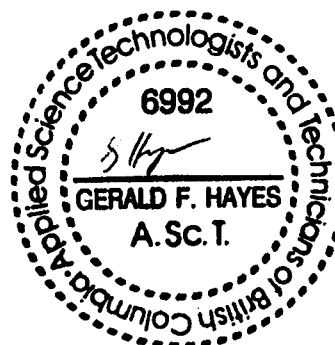
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PO# 3130

Sample	ppb Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm As
4775	56	0.1	2	6	24	200
4776	43	<0.1	2	29	79	420
4777	58	0.1	6	41	96	40
4778	46	0.3	9	1	22	250
4779	56	0.5	2	16	49	<10
4780	38	0.3	9	29	98	10
4781	59	0.8	94	26	67	160
4783	62	1.4	343	24	46	580
4785	122	4.1	409	74	384	3180
4786	464	0.6	36	18	83	24700
4787	57	0.3	15	25	52	20
4788	48	0.3	22	21	37	1680
4789	64	0.1	6	17	46	250
4791	96	0.1	4	19	41	3250
4792	50	0.2	15	45	52	20
4793	54	0.3	6	18	36	50
4800	666	0.7	250	18	55	5420
4801	212	0.3	33	19	56	3290
4802	53	0.2	7	32	51	140
4803	83	0.1	5	25	33	720

Au -- 15g Fire Assay/AAS

Metals -- Aqua Regia Digestion/AAS



59824

September 28, 1989

Total Energold Corp
21 - 1114 - 1st Ave
Whitehorse, Yukon
Y1A 1A3

ASSAY CERTIFICATE

Work Order # 29207

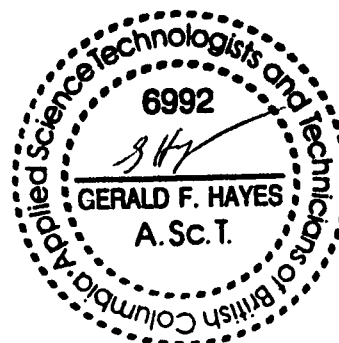
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PO# 3130

Sample	ppb Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm As
4804	51	0.4	64	36	47	220
4805	139	0.2	157	19	42	1360
4807	26	<0.1	40	22	37	260
4808	30	0.4	74	20	33	60
4809	16	0.6	11	19	32	40
4810	16	0.5	4	25	26	10
4811	13	0.7	5	26	36	30
4812	<10	0.9	4	34	24	190
4815	301	0.8	31	27	54	200
4816	38	0.9	27	36	101	310
4818	141	0.3	1	<1	38	190
4819	207	0.5	32	39	44	1100
4820	16	0.4	38	19	56	430
4821	15	0.1	50	31	57	160
4822	118	0.9	68	21	40	440
4823	13	0.3	8	27	66	60
4824	<10	0.3	20	15	54	70
4825	21	0.5	10	16	46	40
4826	11	0.5	10	7	46	110
4827	<10	0.3	14	11	40	890
4828	71	<0.1	24	14	19	2300
4829	24	<0.1	2	20	18	270
4830	109	<0.1	14	25	13	1460
4831	53	<0.1	2	16	9	2370

Au -- 15g Fire Assay/AAS

Metals -- Aqua Regia Digestion/AAS



September 28, 1989

Total Energold Corp
21 - 1114 - 1st Ave
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Y1A 1A3

AJ-89-011

ASSAY CERTIFICATE

Work Order # 29207

File # 29207c

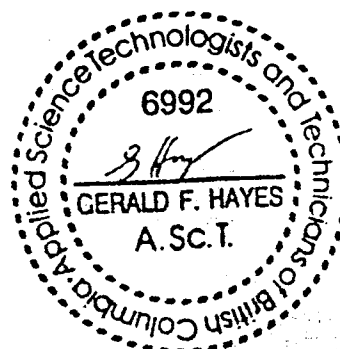
PO# 3130

Sample	oz/t Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm As
4782	<0.002	3.8	569	11	28	2440
4784	<0.002	0.6	54	8	33	10880
4790	0.036	<0.1	4	5	34	54800
4794	0.002	0.3	44	10	70	560
4795	1.325	3.5	633	18	38	77900
4796	0.015	0.1	13	5	26	820
4797	0.440	0.8	6	14	69	61300
4798	0.057	0.6	23	11	72	8640
4799	0.123	2.3	864	5	40	115900
4806	0.132	0.7	642	7	26	30000
4813	0.012	<0.1	6	41	33	750
4814	0.014	<0.1	27	25	78	3480
4817	0.072	0.3	237	14	58	18800

Au -- 1AT Fire Assay/AAS

Metals -- Aqua Regia Digestion/AAS

Interval	Width	Sample	Number
62.98 - 63.7m	0.72m	.002opt.	4794
63.7 - 64.0m	0.30m	1.325opt	4795
64.0 - 64.37m	0.37m	0.015opt	4796
64.37 - 64.63m	0.26m	0.440opt	4797
64.63 - 65.4m	0.77m	0.057opt	4798
65.4 - 65.7m	0.30m	0.123opt	4799



→ 2.72m @ 0.22oz Au/t including
→ 2.0m @ 0.299 oz Au/t

DH No..... AJ-89-012
 ORTHING... 31954.540
 ASTING.... 37575.540
 LEVATION.. 1391.5
 BASELINE... AJ000
 OTAL HORZ 78.3882
 OT: /ERT -84.06128

----- PLAN PLOT -----			----- LONGITUDINAL PLOT -----			----- SECTION PLOT -----		
LENGTH	AZIMUTH	DIP	HORZ	ELEV	DIST FROM BL	SECTION	SEC OFFSET	DESCRIPTION
0.00	22.00	-47.00	0.00	1391.50	170.36 S	7.0 W	5.94 E	COLLAR
25.68	22.00	-47.00	17.51	1372.72	154.12 S	6.0 W	13.00 E	X-SECTION
30.49	22.00	-47.00	20.79	1369.20	151.08 S	6.0 W	11.27 W	DIP CHANGE
64.10	22.00	-47.00	43.72	1344.62	129.83 S	6.0 W	2.68 W	HW-BSSV
64.35	22.00	-47.00	43.89	1344.44	129.67 S	6.0 W	2.62 W	FW-BSSV
65.50	22.00	-47.00	44.74	1343.52	128.88 S	6.0 W	2.30 W	HW-DSSV
67.20	22.00	-47.00	45.83	1342.35	127.87 S	6.0 W	1.89 W	FW-DSSV
74.61	22.00	-47.00	50.88	1336.94	123.18 S	6.0 W	0.00 E	CL-SECTION
87.96	22.00	-47.00	59.99	1327.17	114.74 S	6.0 W	3.41 E	DIP CHANGE
92.90	22.00	-47.00	63.36	1323.56	111.62 S	6.0 W	4.67 E	HW-VEIN 1
93.30	22.00	-47.00	63.63	1323.27	111.36 S	6.0 W	4.78 E	FW-VEIN 1
93.30	22.00	-47.00	63.63	1323.27	111.36 S	6.0 W	4.78 E	HW-VEIN 2
94.30	22.00	-47.00	64.31	1322.53	110.73 S	6.0 W	5.03 E	FW-VEIN 2
114.94	0.00	0.00	78.39	1307.44	97.68 S	6.0 W	10.30 E	END OF HOLE

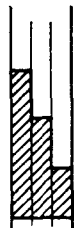
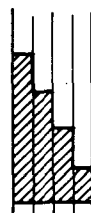
1320.52 Z
 65.6
 7305
 11.61
 2.45
 2.95
 6.52
 0.94
 0.94

4831

TOTAL ERICKSON RESOURCES LTD.

MINERALS SECTION

DRILL LOG

PROJECT O'BRIEN	GROUND ELEV. 1391.5
HOLE No. AJ89-012	BEARING 022°
LOCATION 319 54.54 N 3 75 75.54	DIP -47
LOGGED BY Karen Pelletier	TOTAL LENGTH 114.94
DATE Sept 17th	HORIZONTAL PROJECT
CONTRACTOR DJ Drilling	VERTICAL PROJECT
CORE SIZE reduced from NA to 69 at 79'	ALTERATION SCALE
DATE STARTED Sept 17	 - absent - slight - moderate - intense
DATE COMPLETED Sept 18	TOTAL SULPHIDE SCALE
DIP TESTS ACID TEST @ 60.98 m (200') -47° @ 114.94 m (377') -47°	 - traces only < 1% 1% - 3% 3% - 10% > 10%
COMMENTS 60' casing lost in OB	LEGEND

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	Solp vern intex.
					Sil A	phil B	tm C	D	E		
0				0-6.1m NO RECOVERY OB							
5				6.1-21.98 RUBBLE - comprising pred. fresh DIOR - salt + pepper text, fine-mud gr, hdx tall PHA6-55, H&D 30, diss sulc (py), ul gr, overprinting mt mns + diss in aph (15%) COE pieces up to 10-15cm (40% of total) - big boulders in rubble (?) = SEE > 3m blocks on surface							
				9.22-10.36 LOST							
				12.3-13.11 LOST							
				19.85-20.43 LOST							
10				@ 18.7 10cm piece core of highly alt DIOR - see below							
15		DIOR RUBBLE		21.98-34.5 DIOR - very fine to f-gr, plag porph diorite PHA phens (1-3mm) (15-20%) compl alt. to light green cal sericite (?), ME mns (5-10%) compl alt. to chalc or copper colored bio (?). GM 70-80% - light pink to cream to blag-grey. RX very light colored due to int. sil. ultracross text RX - homogeneous throughout w/ minor (<10%) chl + tm (?) filling fract (<1-2mm) @ 26.7 and 27.1 2QV - 2+5mm ^{resp.} , 25° to ca 5mm v. coat < 5% diss sulc (py) and has 1-2cm wide assoc alt. halo							
26				28.8-30.3 INT SIL/CHL ALT - banded row U							
30				34.50-36.25 DIOR compl. alt - looks like rubble from 6.1-7.2m Either a dyke cutting the sericitized + chlorit DIOR more typ of this hole (and 89-011) Further down hole (@ ~40m) got pods (4 x 1 3/5 cm) of same - think may be patches of unalt. diorite RX Fine-grained, green to grey colored anhedral to subhedral plg (45-55%) (2-5mm), white H&D (10-15%) in light green chloritized mx (30-45%) 38.7-39.35 QV - mass Qtz (45%) - cont. br. frag. DIOR in lower 1/2 intv.							
35				[P89-41] @ 39.6 shows gradation between alt + unalt DIOR							
40				36.25-44.55 DIOR - highly sil, ser, pink-green version, see above 43.65-45.15 Fe alt (?) - grey-green mx stained to rusty brown color - can see patch of unstained at beginning intv. - even boundary Fe st cuts phens							
45											

DEPTH (METRES)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	Sulph vein int
					sil A	phil B	Zn repl C	D	E		
50		Dior		36.25-44.55 cont. Fe staining rapidly becomes v. int. - overprints prim. text.							
40		BSSV	AAAA	44.55-44.73 BSSV mass APY (50%), py (10%) forny whipy, irreg shap. bands in tm (20%) chl (10%) qtz (10%) groundmass Sulp m-c gr (1-3cm) abh x'tals, 33% ca							
50			▼▼▼	44.73-57.23 Dior as above							
			▼▼▼	44.73-45.15 Dior int sil repl (>80%) + red Fe (?) staining tm-qtz str @ 31° to ca							
50		Dior	▼▼▼	45.15-46.3 red discal. occurs in bands via this int. - most intensive from 46.05-46.3							
			▼▼▼	46.3-47.25, 53.5-54.0							
			▼▼▼	54.0-56.4 Dior intense tm-chl repl (30-40%) v. gr glass - forms dk gr-blk bands 1cm-20cm							
40		DSSV	▼▼▼	in lighter cal. sil Dior - 35% int. where ex. turns dk green to blk							
10		DSSV	▼▼▼	56.4-56.9 100% tm-chl repl. then 60% to ca							
			▼▼▼	56.9-57.23 Dior w tm-chl repl							
			▼▼▼	57.23-57.43 DSSV see sample descr.							
10			▼▼▼	57.43-64.1 Dior int chl repl - tm repl locally							
60		Dior	~~~~~	58.8-59.95 Gneiss - clay like green to grey col							
60			~~~~~	59.95-61.0 Dior reformed dk green to blk col. ^{red} trace?							
0			~~~~~	60-61.81 Dior sil, ser, pot alt. 81-89 76% tm							
		BSSV	~~~~~	61.89-63.32 Gneiss as above							
5		Dior	~~~~~	63.32-64.1 Dior - bleached v. white, but scratches easily so not sil.							
60		DSSV	~~~~~	64.1-64.35 BSSV banded tm, chl and qtz, 12% py							
			~~~~~	64.35-65.6 Dior as above							
			~~~~~	65.6-67.2 DSSV (can see Dior shadow!)							
			~~~~~	67.2-70.5 Dior as above							
70			~~~~~	67.2-70.05 Dior is chemically alt. to light green to white col, salt - tm str (1mm) locally							
			~~~~~	68.9-69.4 @ 69.4							
			~~~~~	70.05-75.3 Dior is chl-tm repl light to dk gr to black - tm is in bands 1.5cm-20cm see sample descr							
5			~~~~~	75.3-90.5 Dior - sil-ser alt as above pink to white cal from sil-pot alt?							
			~~~~~	tm (10-60%) sometimes assoc w mass qtz (30-70%) occurs throughout in pods (2x3cm) and bands (5-20cm)							
			~~~~~	glac w 1% v. gr diss cal							
90			~~~~~								

PAGE 4 OF 6		PROJECT: O'BRIEN PROJECT							HOLE No. 89-012		
MINERALIZATION DESCRIPTION		TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au ppm	% Ag ppm	% Cu ppm	Pb ppm	Zn ppm	COMPOSITE ASSAYS As ppm
43.65-44.55 Dior w int. Fealt?				0.9	4832	65	0.2	13	34	50	340
see geol description sub-int v											
44.55-44.73 BSSV - see geol descr				.18	4833	4071 opt	4.4	149	607	785	2940
44.73-45.25 same as 4832				.42	4834	36	0.2	3	29	41	90
54.1-55.0 Dior overprinted (exp) by tm-chl bands (.1-1cm), 45° to ca				.9	4835	58	0.1	25	31	45	1190
55.0-56.0 Dior comp repl by chl, minor tm along fract +1 tm-py + 2mm wide in mid-int v - 30° to ca				1.0	4836	65	0.1	48	38	56	3480
56.0-56.35 same as 4835, nondistinct chl bands overprint sil. Dior - can see prism phen				.35	4837	61	0.3	10	39	63	1100
56.35-56.9 DSSV mass tm w narrow zone (1cm) cont qtz Feag + tm mx + diss blobs (1x2cm) of fgr mass py (5%) + apy (2%) - rest int v. brk				.55	4838	0.015 opt	2.6	21	12	48	3020
56.9-57.23 Dior w chl repl - after 57.05 tm Pong. to 760%, intercon w chl - 2% diss apy + py				.33	4839	0.007 opt	3.1	27	370	430	2120
57.23-57.43 DSSV mass tm (40%), py (25%), (35%) - py forms massive lens blobs w re cont. in intercon qtz-tm mx				.2	4840	0.011 opt	3.7	39	24	16?	2850
57.43-58.43 Dior w int chl repl zones w tm-chl repl - can see prism porph text				1.0	4841	27	0.2	6	30	61	150
58.43-58.96 Dior same as 4850				.53	4842	34	0.3	40	57	94	20
58.96-59.95 Gneiss - clay like				.99	4843	0.004 opt	2.6	22	53	125	<10
59.95-60.95 Dior unalt				1.0	4844	39	0.1	20	28	57	<10
60.95-61.89 Dior altered w tm bands .5-3cm, 45° to ca near end int v				.94	4845	31	0.2	10	32	43	20
61.89-62.76 Gneiss, light green, clay like				.87	4846	28	0.2	9	79	106	80
62.76-63.32 Gneiss same as 4855				.56	4847	30	0.4	33	87	169	160
63.32-64.1 Dior - altered to white?				.38	4848	31	<	6	43	82	20
64.1-64.35 BSSV ^{alter.} mass tm bands w chl + qtz bands + narrow diss sulph bands 1-3cm				.25	4849	0.003 opt	3.7	20	7	36	10
64.35-65.35 Dior w chl repl, minor tm stringers throughout				1.0	4856	28	<.1	16	12	138	160
65.35-65.6 same as 4859				.25	4851	72	0.3	8	8	96	650
65.6-66.6 DSSV mass qtz (80%), calc. - m (10%) fract (1-3mm) w 2% diss sulph				1.0	4852	0.015 opt	3.0	51	6	37	3160
66.6-67.2 DSSV as above 1.5cm wide				0.6	4853	0.031 opt	0.4	58	10	18	3080
67.2-68.1 Dior - v white + v. soft				.9	4854	0.052 opt	0.2	7	17	76	41800
68.1-69.1 Dior - same as 4853				1.0	4855	0.021 opt	0.2	2	25	78	10390

745m @ 0.0253 oz Au/t  
 1.98 (T)  
 3m  
 1.98 (T)  
 3m  
 1.98 (T)  
 3m



PAGE 6 OF 6		PROJECT: O'BRIAN					HOLE No. 89-012				
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au	% Ag	% Cu	Pb	Zn	COMPOSITE ASSAYS	
					ppm	ppm	ppm	ppm	ppm	As ppm	
69.1-70.05 DIOR chl alt incr over phyll from last sample - light green cal.			.95	4856	.004 opt	0.5	6	60	76	6950	↓
70.05-71.05 DIOR int chl repl - minor tan ^{5%}			1.0	4857	.012 opt	0.1	3	25	77	4910	↓
71.05-72.05 as above in 4857 tan incr to 20% - v brittle - clay like			1.0	4858	.029 opt	0.7	119	16	57	1840	↓
72.05-73.05 as in last sample 2m tan grey @ 80° to cal - tan string throughout			1.0	4859	.042 opt	0.4	5	25	62	3420	✓
73.05-74.0 DIOR chl alt w rusty cal from 50cm to end intv			.95	4860	56	<.1	3	18	24	370	
74.0-75.0 DIOR - as in last sample			1.0	4861	53	<.1	2	14	19	200	
75.3-76.3 DIOR silaser alt			1.0	4862	48	<.1	6	20	24	210	
91.06-92.0 DIOR w extremely sil - qtz integr w tan forming mottled text			.94	4863	.001 opt	<.1	15	1	27	496	
92.0-92.9 DIOR as in last sample			.9	4864	.012 opt	<.1	8	5	43	1530	↑
92.9-93.3 Alt bands of chl + tan qtz, tan qtz (.5-2cm) - diss apy - py (2%) asser - tan qtz bands			.4	4865	.032 opt	1.3	27	2	41	3000	↑
93.3-94.3 DIOR (as above to 93.5, then brick 15%? becomes v red cal - tan stringy bands of py + clots (1-2cm wide) near end intv.			1.0	4866	.455 opt	2.4	229	8	30	2440	↓
102.52-103.5 DIOR w int silapat alt			.98	4867	45	0.1	2	2	19	810	
103.5-104.5 DISSV mass, v. t-gr tan (60%) w qtz blobs (1-5cm) (15%) + minor v. t-gr diss py - apy (2%) - blobs + bands of pk DIOR? in 1ST 1/2 intv			1.0	4868	.007 opt	<.1	22	6	5	11000	
104.5-105.08 DIOR - silapat alt mottled pk - tan w tan blobs - diss tan - py - qtz band (10cm)			.58	4869	.013 opt	0.9	364	10	14	920	

2.3m @ 230g Au/t

September 27, 1989

Total Energold Corp  
21 - 1114 - 1st Ave  
Whitehorse, Yukon  
Y1A 1A3

AJ-89-012

ASSAY CERTIFICATE

Work Order # 29208

File # 29208a

PO# 3131

Sample	oz/t Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm As
4833	0.071	4.4	149	607	785	2940
4838	0.015	2.6	21	12	48	3020
4839	0.007	3.1	27	370	430	2120
4840	0.011	3.7	39	24	15	2850
4843	0.004	2.6	22	53	125	<10
4849	0.003	3.7	20	7	36	10
4852	0.015	3.0	51	6	37	3160
4853	0.031	0.4	58	10	18	3080
4865	0.132	1.3	27	2	41	3000
4866	0.455	2.4	229	8	30	2440

Au -- 1AT Fire Assay/AAS

Metals -- Aqua Regia Digestion/AAS

92.9-93.3m 0.4m 0.132oz Au/t 4865

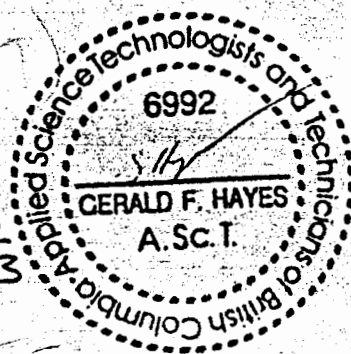
93.3-94.3m 1.0m 0.455opt 4866

→ 1.4m @ 0.363oz Au/t. (90m)

65.6-66.6m 1.0m 0.015opt 4852

66.6-67.2m 0.5 0.031opt 4853

→ 1.5m @ 0.02opt Au. (90m)



September 28, 1989

Total Energold Corp  
21 - 1114 - 1st Ave  
Whitehorse, Yukon  
Y1A 1A3

### ASSAY CERTIFICATE

Work Order # 29208

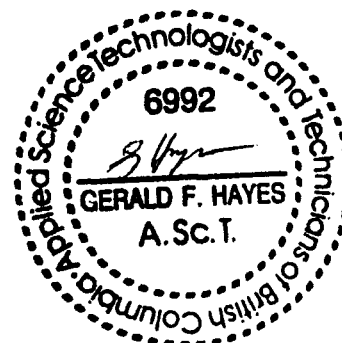
File # 29208b

PO# 3131

Sample	ppb Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm As
4832	65	0.2	13	34	50	340
4834	36	0.2	3	29	41	90
4835	58	0.1	25	31	45	1190
4836	65	0.1	48	38	56	3480
4837	61	0.3	10	39	63	1100
4841	27	0.2	6	30	61	150
4842	34	0.3	40	57	94	20
4844	39	0.1	20	28	57	<10
4845	31	0.2	10	32	43	20
4846	28	0.2	9	79	106	80
4847	30	0.4	33	87	169	160
4848	31	<0.1	6	43	82	20
4850	28	<0.1	16	12	138	160
4851	72	0.3	8	8	96	650
4854	1793 0.052	0.2	7	17	76	41800
4855	728 0.021	0.2	2	25	78	10390
4856	122 .004	0.5	6	60	76	6950
4857	418 0.012	0.1	3	25	77	4910
4858	1008 .029	0.7	119	16	57	1840
4859	1426 0.042	0.4	5	25	62	3420

Au -- 15g Fire Assay/AAS

Metals -- Aqua Regia Digestion/AAS



September 28, 1989

Total Energold Corp  
21 - 1114 - 1st Ave  
Whitehorse, Yukon  
Y1A 1A3

ASSAY CERTIFICATE

Work Order # 29208

File # 29208c

PO# 3131

Sample	ppb Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm As
4860	56	<0.1	3	18	24	370
4861	53	<0.1	2	14	19	200
4862	48	<0.1	6	20	24	210
4863	360 <i>0.01</i>	<0.1	15	1	27	490
4864	398 <i>0.02</i>	<0.1	8	5	43	1530
4867	45	0.1	2	2	19	810
4868	255 <i>0.007</i>	<0.1	22	6	5	11000
4869	437 <i>0.013</i>	0.9	364	10	14	920

Au -- 15g Fire Assay/AAS

Metals -- Aqua Regia Digestion/AAS



September 27, 1989

Total Energold Corp  
21 - 1114 - 1st Ave  
Whitehorse, Yukon  
Y1A 1A3

## ASSAY CERTIFICATE

AJ-89-012

Work Order # 29208

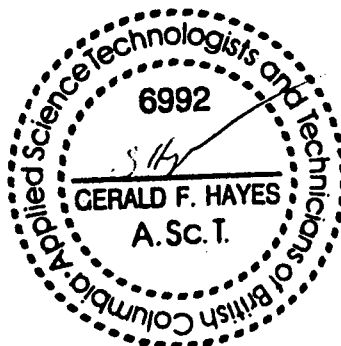
File # 29208a

PO# 3131

Sample	oz/t Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm As
4833	0.071	4.4	149	607	785	2940
4838	0.015	2.6	21	12	48	3020
4839	0.007	3.1	27	370	430	2120
4840	0.011	3.7	39	24	15	2850
4843	0.004	2.6	22	53	125	<10
4849	0.003	3.7	20	7	36	10
4852	0.015	3.0	51	6	37	3160
4853	0.031	0.4	58	10	18	3080
4865	0.132	1.3	27	2	41	3000
4866	0.455	2.4	229	8	30	2440

Au -- 1AT Fire Assay/AAS

Metals -- Aqua Regia Digestion/AAS



November 15, 1989

Total Energold Corp  
21 - 1114 - 1st Ave  
Whitehorse, Yukon  
Y1A 1A3

ASSAY CERTIFICATE

Sample	oz/t Au
4866	0.023
	0.029
	0.100
	0.100
	0.336
	0.455
	0.460
	-----
Average	0.215

Au -- 1AT Fire Assay/Grav