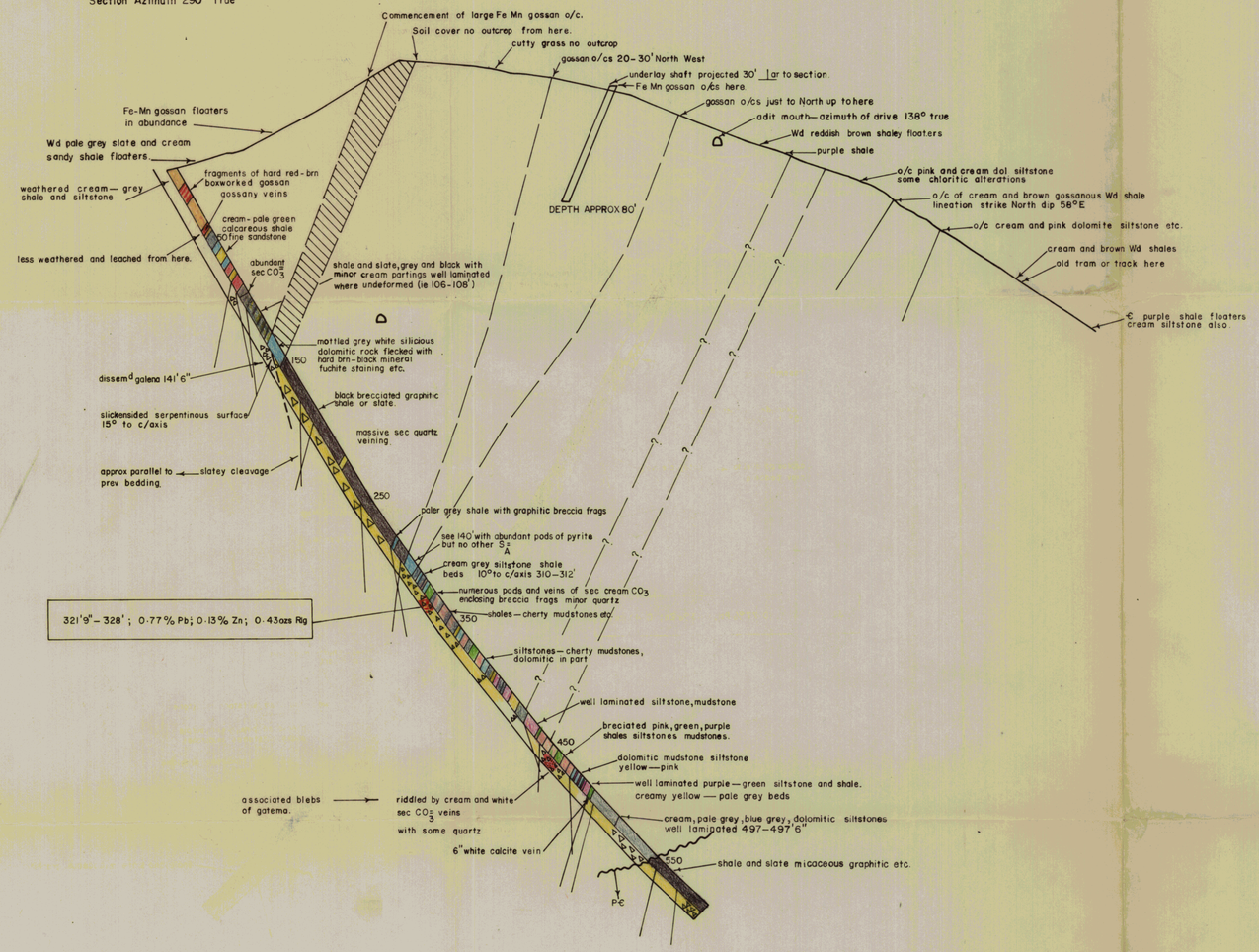
Section Azimuth 290° True



ETCH TESTS: 0'— 60°
100'— 60½°
200'— 59°
300'— 55½°
400'— 51½°
BROKEN 500'— ASSUMED 47½°
BROKEN 600'— " " 43½°

Ref No 4458 28 002

TEXAS INSTRUMENTS INCORPORATED
SCIENCE SERVICES DIVISION
GEOPHOTO RESOURCES CONSULTANTS
BRISBANE AUSTRALIA.

DRAWN		
TRACED	P.Leonard	4/2/71
CHECKED		
GEOLOGIST		
APPROVED		
SCALE 1" = 50'		
REVISIONS		

TEXINS DEVELOPMENT PTY. LTD.
EL 7/68 DUNDAS DISTRICT TASMANIA.
TOPOGRAPHIC PROFILE AND GEOLOGIC SECTION OF DDH EAST PLATT N°1

PROJECT 7/68 DRAWING NO. 1/269

(1)

Ref No. 1157

28 003

GEOPHOTO MINERALS REPORT 1970/81

DRILLING RECORD SHEETS

PLATT D.D.H. NO. 1, E.L. 7/58

WEST TASMANIA.

TEXINS DEVELOPMENT PTY. LTD.

Core held. G303-304

(2)

GEOPHOTO RESOURCES CONSULTANTS

Drilling Record Sheets

AMG 3705000E 5362100N

28 004

Project : EL7/68 | Co-ords. Collar: | Drill: Longyear 2

Hole No : Platt 1 | Bearing : 110° True | Bit Size : NQ to 91'6, BQ to end

R.L. Site: | Depression : 60° | Core Size:

Geologist: Paterson | Sampler: | Date Logged: July 1970

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
0	50				Weathered, leached and broken cream to grey shale and siltstone. Numerous fragments of a red brown (hard) boxworked gossan were recovered from 16-26. Red brown gossany veins occur elsewhere through this zone and are abundant just below 46'. Lineation 30° to c/axis 50'.			
0	16	16	Nil					
16	26	10	9					
26	36	10	1					
36	46	10	2'3					
46	56	10	1'3					
50	58				Siltstone and shale, grey to creamy grey; brecciated; calcareous; some mild graphitic partings. Minor secondary veining			
56	66	10	6					
58	74				Shale to fine sandstone, cream or white to pale green; deformed; massive; vughy and leached secondary veining, quartz combs remain; pyrite has altered to limonitic crust. Occasional brown gossany veins and stains. Some pyrite cubes remain. Sediment is rich in CO_3. Grades pink to purole at 74'.			
66	76	10	8'6					
74	96				Sandy shale to fine mudstone purple, pink; grades into a cream to pale green dolomitic shale from 81-84'. Numerous pods and veinlets of white secondary quartz-CO_3. Below 84' some bedding planes are apparent. Core is generally deformed and this has possibly taken place in poorly consolidated stage. Beds appear to have flowed into one another. Later brecciation and fracturing is also apparent. Green mineral is often visible on fracture surfaces. Pods and veinlets of pyrite are abundant. From 91-96 have a pink to khaki deformed mudstone. Last 6" of this zone appears to be a (fault?) contact with black and grey shale.			
					More abundant secondary CO_3 infilling here. Beds 40° to c/axis at 84'; 20° to c/axis at 92'.			

GEOPHOTO RESOURCES CONSULTANTS

Drilling Record Sheets

28 005

Project : EL7/68 | Co-ords. Collar: | Drill: Longyear 2

Hole No : Platt 1 | Bearing 120° True | Bit Size : NQ to 91'6, BQ to end

R.L. Site: | Depression : 60° | Core Size:

Geologist: Paterson | Sampler: | Date Logged: July 1970

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
96	131							Shale and slate, grey and black; leached and broken; brecciated. Narrow creamy shale zones i.e. 98'. Some graphitic partings more abundant over last 5'.
96	106	10	5					
106	116	10	2'9					Numerous pods and veinlets of secondary CO_3 with minor quartz. Some minor associated pyrite - 106-108 core much less deformed - well laminated. Beds 25° to c/axis at 107'.
116	126	10	2'					
126	136	10	7'6					
131	148'6							Intensely altered silicious dolomitic rock, mottled grey-white with some green staining (fuchsite?); Well carbonated both as matrix and small veins. Veins
136	145	9	10?	1' prob.				
			belongs to prev. run.					contain quite a large percentage of quartz over first 3-4'. Rock contains abundant specks of a hard
145	155	10	10					dark brown to black mineral. Chromite?? Some disseminated galena was observed at 141'6. Slickensided surface at 140'6 is covered by a soapy green mineral resembling serpentine. Surface 15° to c/axis. This is rock penetrated in adit and probably gives rise to surface gossan outcrop.
148'6	299							Shale or slate, black; brecciated; abundantly graphitic; numerous pods and disseminations of pyrite. Abundant pods and veins ($\frac{1}{2}$") of secondary white CO_3 and quartz.
155	156	11	10					
166	175	9	9					
175	184	9	9					Slatey cleavage 30° to c/axis at 173, 40-50° to c/axis at 190'. Slatey cleavage appears approximately parallel to previous bedding planes. Core generally less graphitic and less deformed 198-204'. From 220-226 some paler grey shale fragments are associated. From 223-225 secondary quartz veining is almost massive. 284-288 paler grey shale contains darker coloured breccia fragments. Some minor cream CO_3 veining occurs. Cleavage and/or bedding 30° to c/axis, 250'; 30° to c/axis, 260'; 25° to c/axis, 284'; 40-45° to c/axis at 295'.
184	188	4	4					
188	193	5	4'3					
193	198	5	3'6					
198	203	5	5'6??					
203	206	3	2'6					
206	212	6	6					
212	216	4	4'3					
216	220	4	3					
220	226	6	6'6					
226	235	9	1'9					
235	241	6	5'9					
241	246	5	4'3	/cont.				
246	256	10	10	286	296	10	10	
256	266	10	10	296	301	5	4'6	
266	276	10	9'6	301	306	5	5	
276	286	10	9'9					

GEOPHOTO RESOURCES CONSULTANTS

Drilling Record Sheets

28 006

Project : EL7/68 Co-ords. Collar: Drill: Longyear 2

Hole No : Platt 1 Bearing : 110° True Bit Size : NQ to 91'6
BQ to end

R.L. Site: Depression : 60° Core Size:

Geologist: Paterson Sampler: Date Logged: July 1970

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
299	307					148'6		As for 131-[illegible] with abundant blebs and pods of pyrite (1/10") but no other observed sulphides.
307	315'6							Siltstone and shale, cream to grey with minor black graphitic fragments; brecciated; abundant secondary cream and white quartz-CO_3 veining.
306	316	10	10					
307	315'6							Relic beds apparent 310-312 running $\leq 10^\circ$ to c/axis. Blebs and disseminations of pyrite.
315'6	322							Siltstone and shale; pale grey; green grey, buff, pink, cream. Dolomitic; deformed; massive with some faint relic bedding. Numerous cream CO_3 veinlets
316	326	10	10					
326	336	10	9'6					with associated pods and blebs of pyrite. Possibly other minor $S^=$.
322	332							Siltstone and shale, greeny grey, pale grey, black; brecciated some graphitic partings. Numerous pods and veins of secondary cream CO_3 with minor quartz,
								enclosing breccia fragments etc. Disseminated galena sphalerite and pyrite is sporadic being most abundant 327-328.
332	357							Shale to siltstone to chertz mudstone. Pale grey to pinkish grey to dark grey or black; minor graphitic partings; brecciated; deformation decreases with
								depth. Numerous cream CO_3 veins (<1") (some associated green staining 337-338) CO_3 veins tend to diminish in abundance with depth. Secondary quartz is minor
								only. Numerous pods and veinlets of pyrite.
357	405							Siltstone to chertz mudstone, grey to greenish grey to cream to pink; cream and pink beds are dolomitic;
356	366	10	10					two large white quartz-CO_3 veins over first 5'
366	376	10	10					associated with more deformed zone. Thereafter
376	386	10	9'6					secondary cream and white quartz-CO_3 veinlets occur
386	396	10	10					irregularly. Interbedded green to pink zones; 5-10' pink.
396	406	10	9'6					

GEOPHOTO RESOURCES CONSULTANTS

Drilling Record Sheets

23 007

Project : EL7/68 | Co-ords. Collar: | Drill: Longyear 2

Hole No : Platt 1 | Bearing : 110° True | Bit Size : BQ to 91'6, NQ to end

R.L. Site: | Depression : 60° | Core Size:

Geologist: Paterson | Sampler: | Date Logged: July 1970

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
357	405	cont'd						One purple section 395-398 little bedding is visible Breccia zones occur irregularly, 366-267, 389-390. Numerous veins pods and blebs of pyrite throughout.
405	427							Siltstone and shale, purple, green and grey; contains fragments of purple mudstone in places, i.e. see 415
406	416	10	10					as though brecciated; bedding is absent to poorly
416	426	10	9'6					developed. Rock may have been deformed when weakly consolidated i.e. slumping. Massive zones of
								secondary white CO_3 are sporadic for example, 421-422'6 which appears to be abreccia zone. A green mineral
								is common as narrow veinlets and on fracture surfaces (glauconite).
427	445'9							Siltstone, mudstone and minor shale, purple with green shale 439-441'; well laminated where undeformed;
426	436	10	10					minor secondary white CO_3 veins with little associated
436	446	10	9'6					quartz. Minor pyrite. Beds 20° to c/axis at 428', 40° to c/axis at 443'.
445'9	470							Shale siltstone mudstone, pink, green, purple;
446	456	10	9'8					brecciated; riddled by secondary cream and white CO_3 with some associated quartz. These veins are up to
456	466	10	10					12" wide. Abundant chlorite or glauconite (celadonite?)
466	476	10	10					has developed on fractures. Occasional irregular blebs and veinlets of galena were observed from 456-462
								associated with abundant cream CO_3 veining. Blebs and disseminations of pyrite are numerous. This is an
								ore channel similar to that of first intersection in KHW1.
470	475							Shale siltstone mudstone, purple to pink; deformed; well laminated where undisturbed. Less numerous
								cream and white CO_3 veins. Irregular pink zones
								cutting across bedding planes. Reduction spots or intrusions, mobilised zones. Beds 42° at 474'.

GEOPHOTO RESOURCES CONSULTANTS

Drilling Record Sheets

23 008

Project : EL7/68 | Co-ords. Collar: | Drill: Longyear 2

Hole No : Platt 1 | Bearing : 110° True | Bit Size : BQ to 91'6, NQ to end

R.L. Site: | Depression : 60° | Core Size:

Geologist: Paterson | Sampler: | Date Logged: July 1970

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
475	486							Dolomitic siltstone, mudstone, creamy yellow to pink; bedding planes deformed or poorly defined. Well developed cream and white quartz CO_3 veining from
476	486	10	9'9					475-479. Numerous blebs and pods of pyrite and very minor chalcopyrite.
486	493							Siltstone-shale, purple to green; quite well laminated;
486	496	10	9'4					deformed by large white secondary quartz CO_3 veins up to 2" making 20° to c/axis. Beds 58° to c/axis at
								490'. Trends into creamy yellow to pale grey beds at 493 and contact between two is a massive 6" white calcite vein which saturates surrounding sediment.
493	516'3							Dolomitic siltstone, cream, pale grey, blue grey; generally poorly bedded with some narrow quite well
496	506	10	10					laminated sections i.e. 497-497'6. Numerous white
506	516	10	10					secondary quartz-CO_3 veins. Moderately deformed with small faults seen offsetting bedding planes.
								Deformation increases with depth. Pods and dissem-inations of pyrite are abundant. Beds 57° at 497'. More generally 55-65°
516'3	548'3							Dolomitic siltstones and shales, creamy grey to pale grey to dark grey; Strongly deformed with irregular
516	526							breccia zones. Secondary white or cream CO_3 and
526	536							associated quartz occurs abundantly as veins (<2")
536	546							and is recrystallised as matrix in coarser beds, ie..
								516-518'; 526-529. Generally similar to previous but more deformed and recrystallised.
548'3	550							Brecciated grey and black shale and slate. Slate is
546	556	10	8'6					abundantly graphitic. Shale faintly micaceous and possibly calcareous in parts.
556	566	10	10					
566	576	10	9'3					
576	586	10	10					
586	596	10	9					
550	596							Shale and slate, grey to black; well laminated dark grey-black graphitic shale and slate with narrow intercalations of up to 2' of massive grey micaceous shale. Irregularly brecciated and sharply folded throughout.

GEOPHOTO RESOURCES CONSULTANTS

Drilling Record Sheets

28 009

Project :EL7/68 Co-ords. Collar: Drill:Longyear 2

Hole No : Platt 1 Bearing : 110° True Bit Size :BQ to 91'6
NQ to end

R.L. Site: Depression :60° Core Size:

Geologist: Turner Sampler: Date Logged: July 1970

From	To	Length Run	Length Core	% Rec.	Sludge Wt.	No.	Assay Value	Summary Geological Log
550	596	cont'd			Brecciation severe 585-596. Occasional veinlets of secondary cream CO_3 and quartz. Occasional pods and disseminations of pyrite. Laminations 60° to c/axis 556; 60° to c.axis 566; 55° to c/axis 575.			

GEOCHEMICAL LABORATORY REPORT

8

FIELD SHEET No.: 001504 PROJECT No.: EL.7/68

LAB. SHEET No.: 423/4 SAMPLE TYPE: PLATT DDH 1. DATE: 29th September, 1970

PLATT 1.

SAMPLE No.	LAB. No.	Cu ppm	Ave.	Pb ppm	Ave	Zn ppm	Ave.	Ag ppm	Ave.
16' - 26'	70-J-689	90	90	840	840	1200	1200	8	8
321'9"- 323'	70-J-690	50	50	1.36%	1.36%	1680	1680	17	17
				1.35%				16	
320' - 321'9"	70-J-691	30	30	420	420	320	320	2	2
318' - 320'	70-J-692	20	20	215	215	350	350	3	3
316' - 318'	70-J-693	70	70	545	545	420	420	3	3
323' - 327'	70-J-694	70	70	1370	1370	870	870	9	9
327' - 328'	70-J-695	50	50	2.60%	2.59%	2330	2330	18	18
				2.58%				18	
328' - 330'	70-J-696	50	50	890	890	880	880	3	3
330' - 332'	70-J-697	60	60	1330	1330	460	460	10	10
458'6"- 462'	70-J-698	BLD	BLD	75	75	150	150	3	3
462' - 466'	70-J-699	10	10	50	50	100	100	2	2
456'6"-458'6"	70-J-700	BLD	BLD	60	60	100	100	2	2

28 010

METHODS:

Cd, Cu, Pb, Zn, Ag by GRC No. 100
Bi, by GRC No. 102
Sb, by GRC No. 107

B.L.D.= Below Limit of Detection

Chief Chemist

GEOCHEMICAL LABORATORY REPORT

9

FIELD SHEET No.: 001504 PROJECT No.: EL. 7/68

LAB. SHEET No.: 423/5 SAMPLE TYPE: PLATT DDH 1 CORE DATE: 29th September, 1970.

SAMPLE No.	LAB. No.	Cd ppm	Ave.	Bi ppm	Ave.	Sb ppm	Ave.
16' - 26'	70-J-689	BLD	BLD	75	75	115	115
321'9"-323'	70-J-690	15	15	50	50	BLD	BLD
320' -321'9"	70-J-691	BLD	BLD	40	40	80	80
318' -320'	70-J-692	BLD	BLD	25	25	40	40
316' -318'	70-J-693	BLD	BLD	30	30	BLD	BLD
323' -327'	70-J-694	10	10	50	50	80	80
327' -328'	70-J-695	20	20	75	75	40	40
328' -330'	70-J-696	10	10	30	30	40	40
330' -332'	70-J-697	BLD	BLD	60	60	80	80
458'6"-462'	70-J-698	BLD	BLD	70	70	80	80
462' -466'	70-J-699	BLD	BLD	40	40	80	80
456'6"-458'6"	70-J-700	BLD	BLD	50	50	80	80

28 011

METHODS:

This laboratory is registered by the National Association of Testing Authorities, Australia. The tests reported herein have been performed in accordance with its terms of registration.

Chief Chemist Ray W. Gerdsmeyer