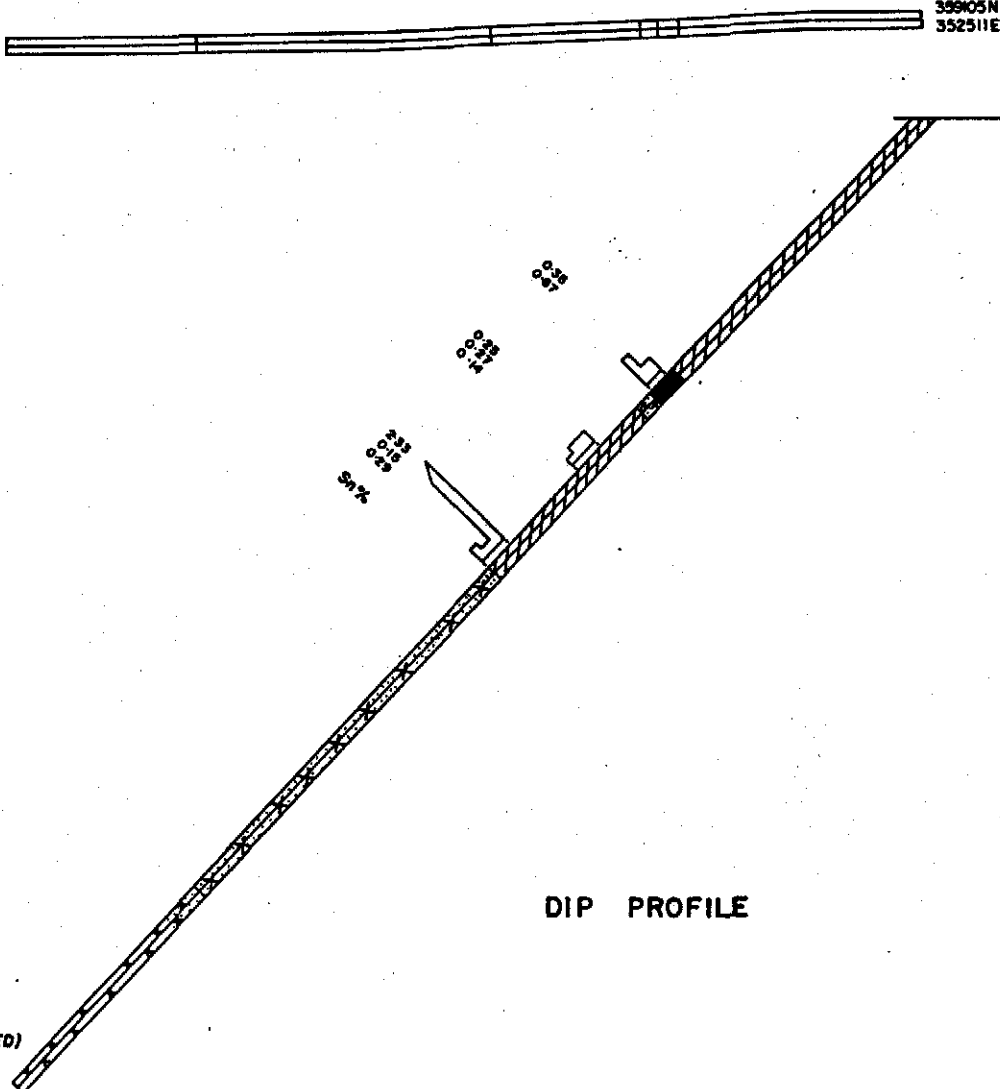








PLAN

35949N
35244E

35905N
352511E



KEY

-  SULPHIDE BEARING ARGILLISED GRANITE
-  MASSIVE & SEMI-MASSIVE SULPHIDES
-  MEDIUM-COARSE GRAINED GRANITE
-  FINE GRAINED TOURMALINISED GRANITE
-  FINE GRAINED APLITIC GRANITE
-  ALTERED (SERICITISED)

DIP PROFILE

527069

070

527071

GOLD FIELDS EXPLORATION PTY. LIMITED

DRILL CORE LOG AND ASSAY DATA

PROJECT: Federation

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ULV. PRESS

INTERVAL		RECOVERY		DESCRIPTION	(all wt% except Ag, Bi, & Sb which are ppm) ASSAY DATA													Bi	Sb	F	
From	To	m	%		Sample No	From	To	Rec. %	Sn	SoL.Sn	S	As	Cu	Pb	Zn	WO ₃	Fe				Ag
				and sulphides, predominantly pyrite-make up the major phases present. Weakly to unfractured, typical of argillic alteration, overall a relatively soft rock. Granite is yellow-green grey, very pale and primary textures are difficult to discern. Pyrite occurs as fine grained disseminations (alteration product of micas) and as veinlets. Sphalerite and possibly tetrahedrite forms veins - irregular with a quartz gangue and coarse grained disseminations.	3261	4.8	5.8	100	<.01	<0.01	.5	<.1	.01	.14	.97	<.01	3.9	3	<10	50	0.21
					3262	5.8	6.8	100	<.01	<0.01	.2	<.1	.01	.09	.34	<.01	3.7	2	<10	50	0.04
					3263	6.8	7.8	100	<.01	<0.01	.1	<.1	<.01	.11	.23	<.01	2.2	1	<10	40	0.01
					3264	7.8	8.8	100	<.01	<0.01	.1	<.1	<.01	.13	.18	<.01	3.2	1	<10	40	0.01
					3265	8.8	9.8	100	<.01	<0.01	.4	<.1	.01	.14	.22	<.01	4.0	4	20	80	<0.01
					3266	9.8	10.8	100	<.01	<0.01	.3	.4	.01	.04	.38	<.01	12.0	6	40	160	0.01
					3267	10.8	11.8	100	<.01	<0.01	.1	<.1	<.01	.04	.09	<.01	6.2	2	20	70	0.02
					3268	11.8	12.8	100	<.01	<0.01	<.1	<.1	<.01	.01	.04	<.01	3.4	1	10	40	0.01
				At 5.4, a 2mm thick veinlet of quartz - mixed sulphides and accessory fluorite. 0° CA for 40cm.	3269	12.8	13.8	100	<.01	<0.01	.1	<.1	.01	.36	.10	<.01	6.9	7	30	100	0.19
				AT 5.8, a 2cm thick vuggy vein of crystalline dog-tooth quartz + sulphides, at 70° CA.																	
7.9	9.3	1.4	100	Strongly argillised granite, softer more crumbly than above. Texture is vuggy, possibly due to leaching of some clays. Quartz sericitised feldspars, small euhedral pyrite cubes predominate, with rare disseminateions and veinlets of polymetallic sulphides.																	
9.3	13.0	3.7	100	Quartz-sericite altered granite, with abundant yellow-green sericite. No veining, rare sulphides. A yellow-grey rock, with colourless quartz, and pseudomorphed feldspars- dark yellow-green rims, light yellow brown centres and smaller feldspars deep green-yellow. Original texture is gone.																	
				At 9.5, a 5 cm zone of pervasively developed quartz, sericite and pyrite, fine grained.																	
				At 10.5, a 1cm thick, 70° CA massive sphalerite vein.																	
					3270	13.8	14.8	100	.01	<0.01	.6	<.1	.02	.05	.47	<.01	3.6	5	10	60	0.06
13.0	14.5	1.5	100	Argillised, "bleached" pale yellow granite. Rock is now composed of clay and quartz; softer and more fractured than typical argillic alteration.	3271	14.8	15.8	100	.01	<0.01	1.2	<.1	.03	.10	1.36	<.01	6.2	8	<10	100	0.01
					3272	15.8	16.8	100	<.01	<0.01	.5	<.1	<.01	.06	.18	<.01	6.8	3	30	100	0.01
					3273	16.8	17.8	100	.01	<0.01	<.1	<.1	<.01	.04	.13	<.01	1.9	2	30	30	0.01
				At 14.0, a veinlet system 5cm wide, of massive pyrite, and sulphides with minor fluorite. The sulphides are acicular with metallic lustre.	3274	17.8	18.8	100	<.01	<0.01	<.1	<.1	<.01	.02	.05	<.01	2.4	1	10	40	0.01
					3275	18.8	19.8	100	<.01	<0.01	<.1	<.1	<.01	.01	.03	<.01	2.1	2	10	30	0.04
					3276	19.8	20.8	100	<.01	<0.01	.1	<.1	<.01	.02	.04	<.01	1.9	1	<10	40	0.01
					3277	20.8	21.8	100	<.01	<0.01	.4	<.1	<.01	.06	.80	<.01	3.9	1	<10	40	0.02
14.5	22.8	8.3	100	Strongly altered granite, consisting of quartz, sericite and	3278	21.8	22.8	100	.01	<0.01	.2	<.1	<.01	.09	.39	<.01	4.1	2	10	60	0.01

GOLD FIELDS EXPLORATION PTY. LIMITED
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INTERVAL		RECOVERY		DESCRIPTION	(all wt%, except Ag, Bi, & Sb which are ppm) ASSAY DATA													
From	To	m	%		Sample No	From	To	Rec. %	Sn	Sn Sol	S	As	Cu	Pb	Zn	WO ₃	Fe	Ag
92.7	94.9	2.2	100	Pale yellow-green granite. Strongly argillised. Disseminated pyrite becomes common, varying from 5 to 25% by volume. Granite texture is still obvious with large yellow clays pseudomorphing feldspar phenocrysts. A few vugs are filled with quartz needles and fluorite. Fractures are rare, the rock is soft. Pyrite is predominantly fine grained with a few coarse grained cubes. At 93.4, a 10cm clay rich (lime green-sericite) zone with minor pyrite.	3329	94.5	95.5	100	.03	<0.01	2.2	<.1	<.01	<.01	.02	<.01	10.2	1
					3330	95.5	96.5	100	<.01	<0.01	.8	<.1	<.01	<.01	.03	<.01	9.5	1
					3331	96.5	97.5	100	.01	<0.01	4.4	<.1	<.01	<.01	.04	<.01	19.4	2
					3332	97.5	98.5	100	.20	<0.01	6.2	<.1	<.01	.01	.14	<.01	10.4	2
					3333	98.5	99.5	100	.04	<0.01	5.7	<.1	<.01	<.01	.02	<.01	20.9	2
					3334	99.5	100.5	100	<.01	<0.01	1.5	<.1	<.01	<.01	.02	<.01	11.6	2
94.9	95.9	1.0	100	Quartz sericite altered granite. Well developed intergrowths of sericite and quartz, yellow-green in colour. Quartz (secondary) is pervasive and large blotches of sericitic clays represent feldspars. Mica pseudomorphs are absent. Accessory tourmaline occurs. Weakly fractured.														
95.9	97.8	1.9	100	Green argillised granite. A moderate content of sulphide- mainly pyrite exists (approximately 5-10% vol.) Green sericite-chlorite is abundant, quartz is very minor. Weakly fractured, moderately and unveined. A few brown hematitic stained clays occur. At 97.4, a 10cm pale coloured clay seam with sand sized rock fragments occur.														
				97.8-122.8 WEAKLY ALTERED, TOURMALINISED, FINE GRAINED GRANITE.														
97.8	101.6	3.8	100	Greenishgrey granite. Fine grained and pyritic (10-20% by volume). Moderately fractured and crumbly in places (a 30cm zone at 98.3). Pale green sericite is abundant with minor red-brown hematite. Veinlets of pyrite quartz and tourmaline (all at 45°CA) are common, as are patches of quartz tourmaline intergrowths. After 99.3, pyrite-becomes uncommon.														
101.6	122.8	21.2	100	Pale greenish-yellow-brown granite. Fine grained and equigranular - producing a sugary texture. Weakly altered to unaltered and unfractured. A few feldspars are replaced by pale brown sericite.														

B1	Sb	F
20	30	0.04
20	50	0.01
40	70	0.01
30	70	0.02
40	60	0.02
20	40	0.01

