RENISON LIMITED
DRILL CORE RECORD
HOLE NO. S1008

LOCATION	: DUNKLEY TOWN AREA.	LENGTH	: 643.40 m.
PURPOSE	: TO TEST MINE SEQUENCE AND FEDERAL	DATE COMMENCED	: 07/06/82
COLLAR RL	: 2199.13 m.	DATE COMPLETED	: 14/07/82
NORTHING	: 21135.91 m.	LOGGED BY	: D. KILPATRICK
EASTING	: 15354.21 m.	WATER LEVEL	:

HOLE SIZE

FROM	TO	SIZE
0.00	114.00	HQ
114.00	367.40	NQ
367.40	643.40	BQ

SIGNIFICANT CORE LOSS ZONES

FROM	TO	% LOSS
0.00	46.50	80
541.20	557.20	19

ORE ZONE GROUND CONDITIONS

ZONE	MECHANICAL STATE	HANGING WALL

60803 4

S100B WAS DESIGNED TO INTERSECT THE OWEN-MEREDITH-FEDERAL STRUCTURE AT [illegible] NO OBVIOUS [illegible] AN UNUSUAL RED AND [illegible] HORIZONS WITHIN THE FEM BEFORE PASSING INTO DALCOATH MEMBER. NO SIGNIFICANT MINERALISATION WAS ENCOUNTERED.

SURVEY DATA

SURVEY DEPTH (M)	BEARING (DEG)	GRID TYPE	DIP (DEG)	DIP TYPE	REMARKS
0.00	241.50	MINE	-68.00		
70.00	237.00	MINE	-68.75		
100.00	260.00 O	MINE	-68.75		
100.00	238.00	MINE	-68.75		
151.00	239.00	MINE	-68.25		
226.00	243.00	MINE	-68.00		
292.00	248.00	MINE	-67.50		
343.00	246.00	MINE	-68.00		
397.00	246.00	MINE	-67.75		
456.00	248.00	MINE	-67.50		
535.00	250.00	MINE	-67.75		
589.00	251.00	MINE	-67.75		

FLAG	DEPTH	RECOVERED THICKNESS	% REC	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA	STRAT
	16.50	1.50	9.1	FLUVIO-GLACIALS	FLUVIO- GLACIALS: light grey - dark grey, very coarse grained, conglomeratic, pebbly, polymodal, good contact, subrounded, tabular, with gravel pebbles (99%): light grey - dark grey, fine grained, cherty, sericitized, hard, uneven fracture, sandy, banding, fine beddings, sparse pyrite as disseminations, cuttings, sharp irregular base.	FG
	46.50	8.00	26.7	FLUVIO-GLACIALS	FLUVIO- GLACIALS: dark orange brown - yellow, fine to medium grained, oxidised, kaolinized, highly weathered, soft, uneven fracture, silty, massive bedding, brecciated, very broken, sharp irregular base, common joints.	FG?
	133.10	86.60	100.0	LITHIC TUFF	LITHIC TUFF: dark greenish grey, fine to coarse grained, calcareous, agglomeratic, hard, uneven fracture, turbiditic, graded bedding, slumping and microfaulting, B.C.A.= 55 degrees, sharp base, minor oblique joints, from 46m to 106m, horizons of medium-coarse grained mottled tuffaceous material, and occasional breccia conglomerate containing black shale and pale grey tuffaceous fragments in fine grained green grey matrix below 106m core is fine-grained with numerous dark grey and black shale horizons B.C.A.=65 deg. Common carbonate veins throughout.	CCF
	263.80	130.70	100.0	SILTSTONE	SILTSTONE: dark crimson - reddish brown, fine to medium grained, lithic, siliceous, hard, even fracture, bedded, fine bedding, graded bedding, trace pyrite finely interbedded, B.C.A.= 55 degrees, sharp planar base, minor oblique joints. Bands include - SILTSTONE: dark grey - light grey, fine to medium grained silty, cherty, hard, even fracture, laminated, fine bedding, lamellae, interbedded very fine black siltstone and fine pale grey siliceous siltstone with minor pyrite lamellae. Abundant irregular carbonate veins. SILTSTONE: thickness 0.50 m., base at 188.60 m., light brownish cream - orange brown, fine grained, lithic, cherty, hard, even fracture, laminated, fine bedding, graded bedding, B.C.A.= 52 degrees, gradational base. SILTSTONE: thickness 1.20 m., base at 200.50 m., greenish grey - purplish grey, fine grained, actinolitized, chloritized, moderately soft, slickensided fracture, sheared, disturbed and disrupted bedding, reworked gradational base, abundant oblique joints. SILTSTONE: thickness 1.30 m., base at 213.80 m., light greenish cream - pinkish grey, fine grained, bleached, conglomeratic, hard, uneven fracture, brecciated, disturbed and disrupted bedding, fine bedding, gradational base. Veins include - VEIN: thickness 0.40 m., base at 241.80 m., light greenish cream - pink, fine grained, sheared, dolomitic, moderately soft,	CCF

FLAG DEPTH	PROJECTED THICKNESS	% REC	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA	STRAT
				brecciated, disturbed and disrupted beddings, infillings, sharp base; two ~1cm dolomite filled shear veins occur below at 250.6 to 250.9m and 253.6m to 254.1m. Carbonate veins increase in abundance near base of unit.	
266.40	2.60	100.0	SILTSTONE	SILTSTONE: dark greenish grey - greenish cream, fine grained, lithic, ?tuffaceous, hard, uneven fracture, laminated, microfaulting, disturbed and disrupted bedding, finely interbedded, B.C.A.= 50 degrees, gradational base.	CCF
271.90	6.20	100.0	SILTSTONE	SILTSTONE: dark crimson - purplish grey, fine grained, lithic, hard, even fracture, turbiditic, irregular beddings, cross beddings medium interbedded B.C.A.= 52 degrees, gradational base, common oblique joints.	CCF
278.10	6.20	100.0	LITHIC TUFF	LITHIC TUFF: dark grey - greenish grey, fine to medium grained, cherty, silty, hard, uneven fracture, massive, becoming finer towards the end of the unit, B.C.A.= 45 degrees, sharp irregular base, minor oblique joints. Bands include - SILTSTONE: thickness 1.60 m., base at 278.10 m., dark grey, fine grained, ?tuffaceous, hard, uneven fracture, fine beddings, disturbed and disrupted bedding.	CCF
278.50	0.40	100.0	FAULT	FAULT: dark grey - grey, medium to coarse grained, sheared, calcareous, hard, fractured bedding, infilling, common dolomite infilling breccia, accessory calcite veins, sharp irregular base.	CCF
282.30	3.80	100.0	LITHIC TUFF	LITHIC TUFF: dark grey - purplish grey, fine to medium grained, agglomeratic, hard, uneven fracture, massive, laminae, B.C.A.= 37 degrees sharp planar base.	CCF
335.40	53.10	100.0	SILTSTONE	SILTSTONE: dark greenish grey - grey, fine grained, actinolitized, ?tuffaceous, hard, uneven fracture, banded, disturbed and disrupted bedding, irregular bedding, common carbonate veins, B.C.A.= 40 degrees, sharp planar base, minor oblique joints. Bands include - ?FAULT: thickness 1.00 m., base at 326.40 m., dark greenish grey - greenish cream, fine to coarse grained, dolomitic, calcareous, moderately soft, fluidal texture, infilling, reworked, intensely fractured at base, dolomitic band also occurs between 287.3 to 287.7m.	CCF
340.20	4.80	100.0	LITHIC TUFF	LITHIC TUFF: grey, fine to coarse grained, agglomeratic, calcareous, hard uneven fracture, turbiditic, poorly bedded, becoming finer towards the end of the unit, common calcite in veins and disseminations, accessory dolomite increasing abundance towards end of unit, B.C.A.= 50 degrees, low angle vein at base.	CCF

FTAG DEPTH	RECOVERED INTERVAL	% REC	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA	STRAT
343.40	3.20	100.0	SILTSTONE	SILTSTONE: dark grey - light grey, fine grained, calcareous, hard, uneven fracture, sheared, fine bedding, graded bedding, common calcite in veins and disseminations, B.C.A.= 60 degrees, intensely fractured at base.	CCF
351.50	8.10	100.0	GABBRO	GABBRO: mottled greenish grey, fine to medium grained, sheared, chloritized, hard, uneven fracture, massive, abundant calcite veins, accessory dolomite decreasing abundance towards end of unit, intensely fractured at base.	GAB?
478.30	126.80	100.0	SILTSTONE	SILTSTONE: light greenish grey - dark grey, fine to medium grained, lithic, calcareous, hard, uneven fracture, banded, fine bedding, graded bedding, minor calcite veins decreasing abundance towards end of unit, B.C.A.= 50 degrees, unconformable base. Bands include - LITHIC TUFF near top of unit: grey - dark grey, fine to coarse grained, calcareous, hard, uneven fracture, silty, poorly bedded, irregular bedding, minor pyrite finely interbedded lenses, middle of unit is mostly banded pale grey-green fine siltstones moderately broken and leached in places, E.G. 410-412m. Below 430m the core contains more black siltstone interbeds and minor carbonate. Gabbroic bands occurs at 443.6-444.2m and 456.7-458.9m.	CCF
481.40	3.10	100.0	GABBRO	GABBRO: light greenish grey, fine to medium grained, conglomeratic, sheared, hard, uneven fracture, reworked, common calcite veins, sharp irregular base.	GAB?
484.90	3.50	100.0	SILTSTONE	SILTSTONE: dark grey - greenish grey, fine grained, sheared, hard, uneven fracture, fractured, disturbed and disrupted bedding, contorted bedding, common dolomite, minor calcite veins, sharp irregular base.	CCFF?
505.60	20.70	100.0	PEBBLE CONGLOMERATE	PEBBLE CONGLOMERATE: green - red, coarse to very coarse grained, cherty, actinolitized, hard, uneven fracture, fluidal texture, poorly bedded, irregular bedding, polymodal, no contact, subrounded, tabular, sharp planar base, sparse joints parallel to bedding, with chert bands (25%): light pink - brownish grey, fine grained, siliceous, hard, uneven fracture, banded, poorly bedded, fine bedding increasing abundance towards end of unit, B.C.A.= 40 degrees, sparse joints parallel to bedding, with siltstone clasts (55%): dark greenish grey - grey, fine grained, actinolitized, chloritized, moderately soft, uneven fracture, fractured, massive bedding, minor minor sphalerite alteration near contacts, accessory carbonate veinlets, sparse joints, with siltstone cement (20%): light grey - greenish grey, fine to coarse grained, tuffaceous, sericitized, moderately soft, uneven fracture, fluidal texture, infillings, reworked, minor carbonate bands and veins. One nodule	RRM

FLAG	DEPTH	RECOVERED THICKNESS	% REC	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA	STRAT
					of chalcopyrite at 488.8m. Dolomite band 0.3m at 503.9m.	
	509.40	3.80	100.0	DOLOMITE	DOLOMITE: dark grey - grey, fine grained, non-crystalline, siliceous, moderately soft, uneven fracture, fractured, stylolites, indistinctly bedded, abundant carbonate veinlets, accessory quartz infillings, sharp irregular base, sparse oblique joints.	2
	535.60	26.20	100.0	SILTSTONE	SILTSTONE: dark grey - yellowish grey, fine grained, shaley, altered, moderately soft, even fracture, fractured, slumping and microfaulting, coarse bedding, abundant carbonate in bands and veins, B.C.A.= 45 degrees sharp irregular base, common joints parallel to bedding, small ?fault at 517.1m-carbonate matrix with siltstone breccia. More siliceous yellow-grey horizons decrease in abundance with depth. Brecciated section between 523.8-525.6m has been healed by abundant carbonate infilling. Some coarser ?tuffaceous horizons between 529 and 530 metres.	RBM
	538.00	2.40	100.0	CARBONATE	CARBONATE: cream - light grey, fine grained, siliceous, non-crystalline, hard, massive, stylolites, abundant carbonate, minor chalcopyrite in bands and veins, accessory chlorite bands, sharp irregular base, core includes siltstone component as clasts and bands increasing in abundance towards base.	RB3?
	541.20	3.20	100.0	SILTSTONE	SILTSTONE: grey - dark grey, fine grained, quartzose, silty, hard, laminated, fine bedding, cross bedding, minor carbonate veinlets, B.C.A.= 22 degrees, sharp planar base, interlaminated quartzite and chloritized siltstone lenses.	DMU?
	557.20	13.00	81.3	BLACK SHALE	BLACK SHALE: black, fine to coarse grained, sheared, soft, uneven fracture, very broken, brecciated, fragmented bedding, becoming finer towards the end of the unit, abundant quartz, minor carbonate irregularly interbedded, accessory carbonate in bands and veins, B.C.A.= 35 degrees, sharp irregular base, abundant joints parallel to bedding, interbanded quartzose lenses and massive graphite.	DMU?
	559.70	2.50	100.0	DOLOMITE	DOLOMITE: light grey, fine to medium grained, non-crystalline, siliceous, hard, even fracture, cherty, massive bedding, stylolites, abundant carbonate veins, sharp irregular base, common joints.	3?
	568.40	8.70	100.0	SILTSTONE	SILTSTONE: grey - dark grey, fine to coarse grained, sheared, siliceous, moderately soft, uneven fracture, fractured, fine bedding, microfaulting, abundant carbonate, quartz veins infilling, B.C.A.= 40 degrees, gradational base, common joints, breccia filled carbonate vein between 565.4m and 566.0m. Core has graphitic appearence and is quite broken	DM?

FLAG	DEPTH	RECOVERED THICKNESS	% REC	ROCK TYPE	GEOLOGICAL DESCRIPTION OF STRATA	STRAT
					especially at base.	
	643.40	75.00	100.0	SILTSTONE	SILTSTONE: grey - dark grey, fine to coarse grained, lithic, moderately soft, uneven fracture, turbiditic, cross bedding, microfaulting, common quartz, carbonate veinlets, B.C.A.= 50 degrees, sparse oblique joints, upper part is finely interlaminated siltstone and fine sandstone often contorted and crossbedded. Middle section is broken and often graphitic with common carbonate rich horizons and carbonate veining. Lower part has a reworked agglomeratic appearence with siltstone breccia in fluidal graphitic and chloritic matrix.	DM
	END OF HOLE at 643.40m.					

STRAT	FROM (M)	TO (M)	Cutoff	Sn (%)	ANL (%)	CUR (%)	(%)	(%)	(%)	Au (G/T)	Bi (%)	As (%)	WO3 (%)	S (%)	Sb (%)
CCF	473.00	474.00			0.03										
CCF		475.00			0.01										
CCF	477.00	478.00			0.01										
GAB?		479.00			0.03										
CCFF?	481.00	482.00			0.05										
CCFF?		483.00			0.03										