

COPYRIGHT NOTICE

This geotechnical log and its associated data (the Document) is licensed by the Queensland Department of Transport and Main Roads under the [Creative Commons Attribution 4.0 Licence](#) (CC BY 4.0). When reusing the Document, in whole or in part, please attribute the Department as follows: "*(c) State of Queensland (Department of Transport and Main Roads) 2020, licensed under the CC BY 4.0 Licence*". This licence does not apply to the Queensland Government logo or trademarks.

LIMITATION OF LIABILITY

The CC BY 4.0 Licence contains a comprehensive Disclaimer of Warranties and Limitation of Liability. In addition, please note that this Document was prepared for Departmental use only. Reuse of the Document by anyone for any other purpose could result in error and/or loss. You should obtain professional advice before making decisions based on the contents of the Document.

When reproducing any part of this Document, you must also reproduce this limitation of liability notice in addition to the italicised attribution statement above.

Retrieved from the Queensland Geotechnical Database <http://ggd.org.au/>

ENGINEERING BORELOG

FOR GEOTECHNICAL TERMS AND
SYMBOLS REFER FORM BQF 075:191/95

BOREHOLE No : 132
SHEET : 1 OF 1
REFERENCE No : H8198

PROJECT : SOUTH EAST TRANSIT PROJECT-SECTION 1
LOCATION : 2882.337E 163601.954N
PROJECT No : C60128 SURFACE R.L. : 16.83 DRILLER : DALY BROTHERS PTY LTD
JOB No : DATUM : AHD DATE DRILLED : 28/1/98

DEPTH (m)	R.L. (m)	AUGER CORE DRILLING CASING OTHER	RQD (%) CORE REC%	SAMPLE	MATERIAL DESCRIPTION	USC WEATHERING	INTACT STRENGTH	DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0	16.83				FILL	GC				Driller's log only.	
	16.63				BITUMEN / ASPHALT					Driller's log only.	
	16.43				PHYLLITE (rock description in remarks) XW : Yellow brown.	XW				Driller's log only	
1	15.93				HW : Yellow brown to grey brown rock kernals.	HW				8,30/135 N >50	SPT
	15.53				MW : Orange brown to pale brown; partly red brown ironstaining throughout & heavily along defects; frequent broken fissile zones; occasional concordant quartz veins along bedding partings. Defects : Major - Extensively fractured along foliation partings (40-60 deg - Subhorizontal (<15 deg.) - 60 to 70 deg. Minor - 30 to 40 deg.	MW				Is(50)=0.75MPa	x
2			(22%) 90							Water Pressure Test from 2.60 to 8.00m; WPT= 19uL	
3			(20%) 100								
4			(36%) 93							Is(50)=1.05MPa	x
	12.38				SW : Pale grey to grey blue. Irregular discontinuous dark (mica) and pale (quartz) layers; occasional altered zones. Defects : Major - foliation partings (20-60 deg Minor - Subhorizontal (<30 deg.) - 30 to 60 deg. - 70 to 75 deg.	SW				Water Pressure Test from 4.35 to 8.81; WPT= <1uL Is(50)=1.22MPa 4.28MPa	x UCS
5			(68%) 100							Is(50)=0.74MPa	x
6										Is(50)=0.65MPa	x
					(Please refer attached sheet/s for defect descriptions).					HW & altered zone. Is(50)=1.15MPa	x
7			(93%) 100							Is(50)=3.18MPa	x
										5.14MPa	UCS
			(78%) 100							Is(50)=1.44MPa	x
8	8.83				END OF HOLE						

REMARKS : PHYLLITE : GREY GREEN TO BLUE GREY, MEDIUM TO COARSE GRAINED FOLIATED META-SEDIMENTARY ROCK. FOLIATION PLANE GENERALLY FROM 40 TO 60 DEGREES.

LOGGED BY
DISS

DEFECT DESCRIPTIONS OF BORELOGS

[FOR GEOTECHNICAL TERMS AND SYMBOLS
REFER FORM BQF 075:191/95]

BOREHOLE NO : BH132

SHEET : 1 of 3

REFERENCE NO : H8198

PROJECT : SOUTH EAST TRANSIT PROJECT - SECTION 1

LOCATION : 2882.337E 163601.954N

PROJECT NO : C60128

SURFACE R.L : 16.84

DRILLER : DALY BROTHERS P/L

JOB NO :

DATUM : AHD

DATE DRILLED : 9/1/98

DEPTH	DEFECT TYPE	APPRO. DIP ANGLE (Deg)	PLANARITY	ROUGHNESS	APERTURE	WALL ALTERATION	OTHER
1.33	FP	30	P	R			
1.42	FP	30	P				QZ
1.55	FP	30	P	R			
1.60	J	70	P	R	O		
1.75	J	70	P	R	O		
2.00-2.30	BZ						
2.35	J	15	P	S	T	CFest	
2.40	Fr		Ir	R	O	CFest	
2.54	J	70	p	S	T		
2.59	J	30	p	R	O		
2.60-3.02	BZ						
3.05	F	15	Ir	R	O	CFest	
3.14	FP	40	Ir	R	T	CFest	
3.31	FP	40	Ir	R	O	PW	
3.51	J	30	p	S	O	CFest	
3.55	J	40	p	S		CFest	
3.73	FP	40	p	S	O	CFest	
3.86	J	70	p	S	O	CFest	
3.86	FP	40	p	S	O	CFest	
3.98	FP	40	p	S	O	CFest	
3.99	FP	40	p	R	O	CFest	

Abbreviations

ROUGHNESS		WALL ALTERATIONS		TYPE		OTHER	
R	Rough	FeSt	Iron Stained	J	Joint	P	Partly
Sm	Smooth	W	Weathered	B	Bedding	QZ	Quartz Vein
SL	Slickensided			FP	Foliation Parting	Co	Completely
				Fr	Fracture	In	Incipient
				SZ	Sheared Zone	SI	Sand Infill
PLANARITY		APERTURE		WS	Weathered Seam	H	Horizontal
Pl	Planar	C	Closed	CZ	Crushed Zone	V	Vertical
St	Stepped	O	Open	SM	Secondary Mineralisation	CI	Clay Seam
Un	Undulating	F	Filled	BZ	Broken Zone	Cn	Clean
Cu	Curved	T	Tight	HFZ	Highly Fractured Zone		
Ir	Irregular						

NOTE: This sheet should be read in conjunction with appropriate Engineering Borelog.

DEFECT DESCRIPTIONS OF BORELOGS

[FOR GEOTECHNICAL TERMS AND SYMBOLS
REFER FORM BQF 075:191/95]

BOREHOLE NO :	BH132
SHEET :	2 of 3
REFERENCE NO :	H8198

PROJECT :	SOUTH EAST TRANSIT PROJECT - SECTION I		
LOCATION :	2882.337E 163601.954N		
PROJECT NO :	C60128	SURFACE R.L. :	16.84
JOB NO :		DRILLER :	DALY BROTHERS P/L
		DATUM :	AHD
		DATE DRILLED :	28/1/98

DEPTH	DEFECT TYPE	APPRO. DIP ANGLE (Deg)	PLANARITY	ROUGHNESS	APERTURE	WALL ALTERATION	OTHER
4.05-4.15	BZ						along BP
4.25	Fr	10	St	R	O	CFeSt	
4.30	J	10	Ir	R	O		Cl
4.37	J	15	P	S	O	CFeSt	
4.4	F	15	Ir	R	O		Cl
4.90	J	60	P	S	T	CFeSt	
5.00	J	60	P	S	T	CFeSt	
5.00	J	40	P	S	O		Cl
5.27	FP	30	Ir	R		CFeSt	
5.39	J	70	St	R	T		
5.41	J	60	Ir	R	O		Cl
5.43	FP	60	Ir	R		CFeSt	
5.45	FP	60	P	R		CFeSt	
5.51	FR		Ir	R		PFeSt	
5.55	FP	20	Ir	S	O	CFeSt	
6.10-6.25	BZ						altered
6.25	FP	60	Ir	R	O	CFeSt	
6.35	FP	60	Ir	S	O	CFeSt	

Abbreviations

ROUGHNESS		WALL ALTERATIONS		TYPE		OTHER	
R	Rough	FeSt	Iron Stained	J	Joint	P	Partly
Sm	Smooth	W	Weathered	B	Bedding	QZ	Quartz Vein
SL	Slickensided			FP	Foliation Parting	Co	Completely
				Fr	Fracture	In	Incipient
PLANARITY		APERTURE		SZ	Sheared Zone	SI	Sand Infill
PI	Planar	C	Closed	WS	Weathered Seam	H	Horizontal
St	Stepped	O	Open	CZ	Crushed Zone	V	Vertical
Un	Undulating	F	Filled	SM	Secondary Mineralisation	CI	Clay Seam
Cu	Curved	T	Tight	BZ	Broken Zone	Cn	Clean
Ir	Irregular			HFZ	Highly Fractured Zone		

NOTE: This sheet should be read in conjunction with appropriate Engineering Borelog.

DEFECT DESCRIPTIONS OF BORELOGS

[FOR GEOTECHNICAL TERMS AND SYMBOLS
REFER FORM BQP 073.191/95]

BOREHOLE NO :	BH132
SHEET :	3 of 3
REFERENCE NO :	H8198

PROJECT :	SOUTH EAST TRANSIT PROJECT - SECTION 1		
LOCATION :	2882.337E 163601.954N		
PROJECT NO :	C60128	SURFACE R.L. :	16.84
JOB NO :		DRILLER :	DALY BROTHERS P/L
		DATUM :	AHD
		DATE DRILLED :	28/1/98

DEPTH	DEFECT TYPE	APPRO. DIP ANGLE (Deg)	PLANARITY	ROUGHNESS	APERTURE	WALL ALTERATION	OTHER
6.69	BP	60	P	S	C	PFeSt	Along BP
6.72	J	10	P	R	O		Cl
6.78	BP	60	P	S	C	PFeSt	
6.92	BP	60	P	S	C	PFeSt	
6.95	J	10	Ir	R	O	PFeSt	
7.04	BP	45	Ir	R	C	PFeSt	
7.39	Fr	10	Ir	R	O		QZ
7.39	J	75	St	R	C		Cl
7.43	J	15	P	-	T		Cl
7.45	J	30	P	S	T		
7.50 - 7.58	BZ	30	P	S	C		Cl
7.58		75	P	S	T		Cl

Abbreviations

ROUGHNESS		WALL ALTERATIONS		TYPE		OTHER	
R	Rough	FeSt	Iron Stained	J	Joint	P	Partly
Sm	Smooth	W	Weathered	B	Bedding	QZ	Quartz Vein
SL	Slickensided			BP	Bedding Parting	Co	Completely
				Fr	Fracture	In	Incipient
PLANARITY		APERTURE		SZ	Sheared Zone	SI	Sand Infill
PI	Planar	C	Closed	WS	Weathered Seam	H	Horizontal
St	Stepped	O	Open	CZ	Crushed Zone	V	Vertical
Un	Undulating	F	Filled	SM	Secondary Mineralisation	CI	Clay Seam
Cu	Curved	T	Tight	BZ	Broken Zone	Cn	Clean
Ir	Irregular			HFZ	Highly Fractured Zone		

NOTE: This sheet should be read in conjunction with appropriate Engineering Borelog.

