

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 GEOTECHNICAL UNIT BORING LOG

SHEET OF

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 GEOTECHNICAL UNIT CORE BORING REPORT

PROJECT NO 8.2822102	ID B-3350	COUNTY IREDELL	GEOLOGIST STICKNEY
SITE DESCRIPTION BRIDGE 292 ON SR 1832 AT HUNTING CREEK			GND WATER
BORING NO B1-B	NORTHING 0.00	EASTING 0.00	0 HR 0.00ft
ALIGNMENT -L-	BORING LOCATION 16+78.500	OFFSET 4.10ft RT	24 HR N/A
COLLAR ELEV 858.77ft	TOTAL DEPTH 22.90ft	START DATE 6/17/02	COMPLETION DATE 06/17/02

DRILL MACHINE MOBILE B-57	DRILL METHOD NX WIRELINE	HAMMER TYPE MANUAL
SURFACE WATER DEPTH		DEPTH TO ROCK 0.00ft

ELEV	DEPTH	BLOW CT			PEN (ft)	BLOWS PER FOOT				SAMPLE NO	LOG	SOIL AND ROCK DESCRIPTION
		6in	6in	6in		0	25	50	75			
858.77												Ground Surface
850.00										RS-2	D	HARD, FRESH, WELL FOLIATED, GRAY TO RED-BRN OR WHITE QUARTZ BIOTITE GNEISS W/ WIDE SPACED FRACTURES REC 86% RQD 71%
												SIMILAR TO ABOVE, REC 96% RQD 88%
												ROCK SIMILAR TO ABOVE REC 100% RQD 53%
840.00												ROCK IS SIMILAR TO ABOVE, REC 100%, RQD 93%
835.87												HARD, FRESH, WELL FOLIATED, GRAY TO RED-BRN OR WHITE QUARTZ BIOTITE GNEISS W/ WIDE SPACED FRACTURES REC 100%, RQD 100%

PROJECT NO: 8.2822102 PROJECT ID: B-3350 COUNTY: Iredell GEOLOGIST: J.K. STICKNEY
 SITE DESCRIPTION: Bridge 292 on SR 1832 at Hunting Creek DRILLER: C.L. SMITH
 BORING NO: B1-B BORING LOCATION (STA): -L-16+78.5 OFFSET: 4.1 RT.
 COLLAR ELEV: 858.77 PERSONNEL: MLS, CEB, TAM, JCH CORE SIZE: NXWL
 TOTAL DEPTH: 22.90 DRILL MACHINE: DATE STARTED: 6/17/02
 TOTAL RUN: 22.90 DRILL EQUIP: B-57 DATE COMPLETED: 6/17/02

ELEV. (FT)	DEPTH (FT)	DRILL RATE (MIN/1.0 FT)	RUN NO.	REC % (FT)	RQD % (FT)	SAMPLE NO.	FIELD CLASSIFICATION AND REMARKS
	0			86%	71%		0-2' reddish-gray, hard, fresh, quartz - biotite, garnet paragneiss or quartzite. unfractured.
	3.8			96.8%	88.4%	6.6' RS-2 7.3'	2' - 3' welded mylonite with 45 degree dip, light green hard, fresh. Fractures at contact. 3' - 17' Approximate 50/50 mix of 2 hard fresh rock types 1: Hard, fresh, biotite quartz garnet gneiss or quartzite 2: Hard fresh quartz - feldspar conformable pegmatite. RQD loss from interval of vertical jointing.
	8.55			100%	53.19%		
	13.25			100%	93.75%		
	18.05			100%	100%		
	22.90						17' -end, (22.90') hard fresh quartz biotite garnet quartzite with dip up to 45 degree, possibly a fold axis.

NOTES