

DATE 13 Sept '00

CORE BORING REPORT

PROJECT: 8.2860401 I. D. NO: B-2583 BORING NO: B2-B GEOLOGIST: C. A. Dunnagan

DESCRIPTION: Bridge on School Drive over French Broad River

COUNTY: Madison COLLAR ELEVATION: 494.38 m TOTAL DEPTH: 8.42 m

ELEV. (m)	DEPTH (m)	DRILL RATE MIN./3 m	RUN (m)	REC. METERS %	RQD. METERS %	SAMP. #	FIELD CLASSIFICATION AND REMARKS
493.41	0.97		1.49	1.34	1.31		Dark gry biotite gneiss. V sli weath. Trace pyrite w/ highly folded zones a) 2 parts along fol @ 50°. ADS=0.17m ADT=0.001m. b) Run-time = 12.60min.
				90	88		
491.92	2.46		1.49	1.47	1.30		Dk gry bio-amph gneiss grading to gry bio-gran gneiss. V sli weath. Sli amt pyr. Trace garnets. (a) 1 jnt @ 10°, ADS=NA ADT<0.001m. b) 2 jnts @ 50°, ADS=0.32m ADT<0.001m. c) 2 parts along fol @35°, ADS=0.50m ADT<0.001m. d) Run-time = 13.22min.
491.92	2.46			99	87		
490.43	3.95		1.49	1.22	0.99		Very sli weath to fresh, lt gry gran gneiss grading to dk gry bio-amph gneiss. Highly folded in zones. Tr epidote and pyrite. a) 1 part along fol @ 30°, ADS=NA ADT<0.001m. b) 1 fault @ 60°, ADS=NA ADT<0.001m w/ slickensides. c) Run-time = 13.80min.
490.43	3.95			82	66		
488.94	5.44		1.49	1.31	1.10		V sli weath to fresh, dk gry and green bio-amph gneiss w/ garnets and abun epidote. Highly folded w/ occ shear zones. Minor amts pyrite and chalcopyrite. a) 1 jnt @ 30°, ADS=NA ADT<0.001m. b) 2 faults @ 40°, ADS=0.10m ADT=0.001m w/ slicks and mylonite infilling. c) Run-time = 13.13min.
488.94	5.44			88	74		
487.45	6.93		1.49	1.42	1.42		Fresh, dk gray biotite-amphibolite gneiss w/ interlayers of gray granite gneiss. Occasionally highly folded with trace of pyrite. a) Run-time = 14.17min.
487.45	6.93			95	95	RS-4	
485.96	8.42						

CORING TERMINATED AT
ELEVATION 485.96 m

DRILLER: W. A. Gosnell

CORE SIZE: NXWL

EQUIPMENT: CME-550