

240F36

DATE 18 Sept '00

CORE BORING REPORT

PROJECT: 8.2860401 I. D. NO: B-2583 BORING NO: EB2-B GEOLOGIST: C. A. Dunnagan

DESCRIPTION: Bridge on School Drive over French Broad River

COUNTY: Madison COLLAR ELEVATION: 501.01 m TOTAL DEPTH: 13.25 m

| ELEV. (m) | DEPTH (m) | DRILL RATE MIN./3 m | RUN (m) | REC. METERS % | RQD. METERS % | SAMP. # | FIELD CLASSIFICATION AND REMARKS |
|--------------|--------------|---------------------------|------------|---------------------|---------------------|------------|--|
| 493.00 | 8.01 | | 0.77 | 0.72 | 0.00 | | Sli weath, gry biotite-granite gneiss. Highly fractured w/ rubble zones. Occ garnets and trace pyrite. (a) 12 parts along fol @ 45°, ADS=0.03m ADT<0.001m. b) 1 jnt @ 10°, ADS=NA ADT<0.001m. c) 1 jnt @ 30°, ADS=NA ADT<0.001m. d) Run-time = 7.77min. |
| 492.23 | 8.78 | | | 94 | 0 | | |
| 492.23 | 8.78 | | 1.49 | 1.47 | 1.08 | | Sli to v sli weath gry bio-gran gneiss. Occ highly folded zones; trace pyrite. a) 1 jnt @ 60°, ADS=NA ADT<0.001m. b) 5 parts along fol @ 40°, ADS=0.12m ADT<ADT<0.001m. c) Run-time = 13.30min. |
| 490.74 | 10.27 | | | 99 | 72 | | |
| 490.74 | 10.27 | | 1.49 | 1.48 | 1.14 | | Sli weath gray granite gneiss. Weakly foliated w/ trace pyrite. a) 5 parts along fol @ 50°, ADS=0.19m ADT<0.001m. b) 1 jnt @ 40°, ADS=NA ADT<0.001m. c) 1 jnt @ 60°, ADS=NA ADT<0.001m. d) Run-time = 13.43min. |
| 489.25 | 11.76 | | | 99 | 77 | | |
| 489.25 | 11.76 | | 1.49 | 1.32 | 1.17 | | Sli weath, gray granite gneiss w/ biotite-rich zones. Trace pyrite. a) 3 parts along fol @ 45°, ADS=0.01m ADT<0.001m. b) 1 jnt @ 60°, ADS=NA ADT<0.001m. c) Run-time = 12.82min. |
| 487.76 | 13.25 | | | 89 | 79 | | |
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CORING TERMINATED AT
ELEVATION 487.76 m

DRILLER: W. A. Gosnell CORE SIZE: NXWL EQUIPMENT: CME-550