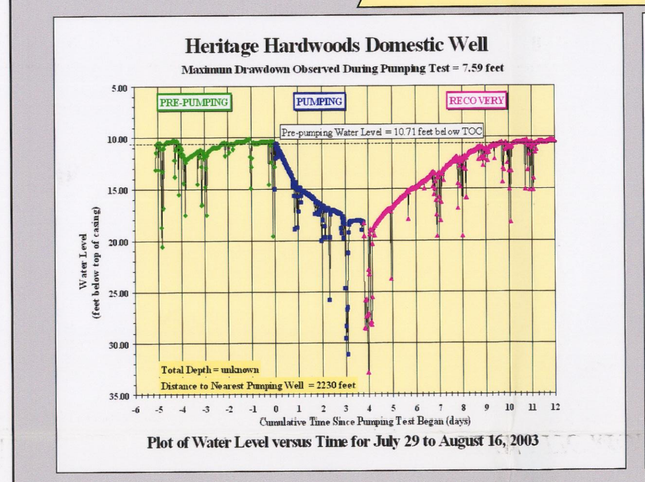
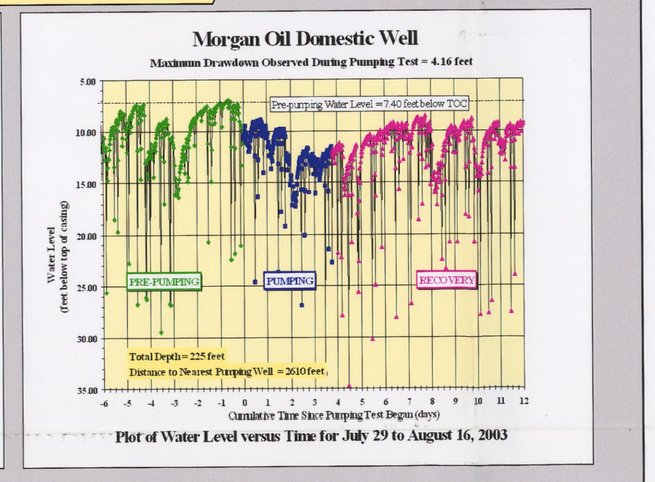
PLATE 1 HYDROGEOLOGIC INVESTIGATION of the MARSHALL PROJECT SITE, MARSHALL, FAUQUIER COUNTY, VIRGINIA

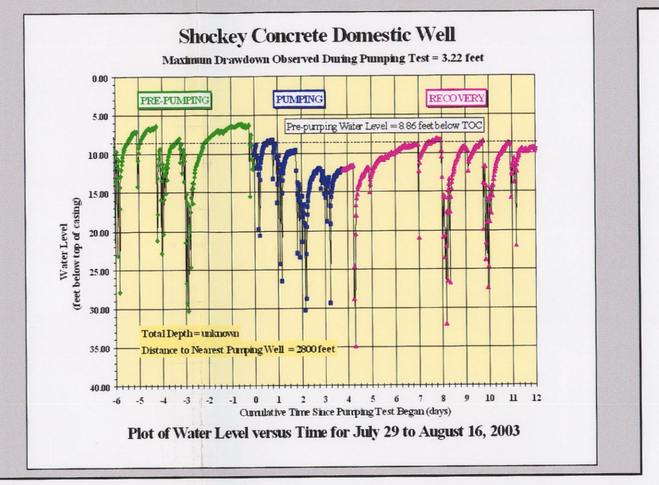
ON-SITE WELLS MONITORED



Plot of Water Level versus Time for July 29 to August 16, 2003



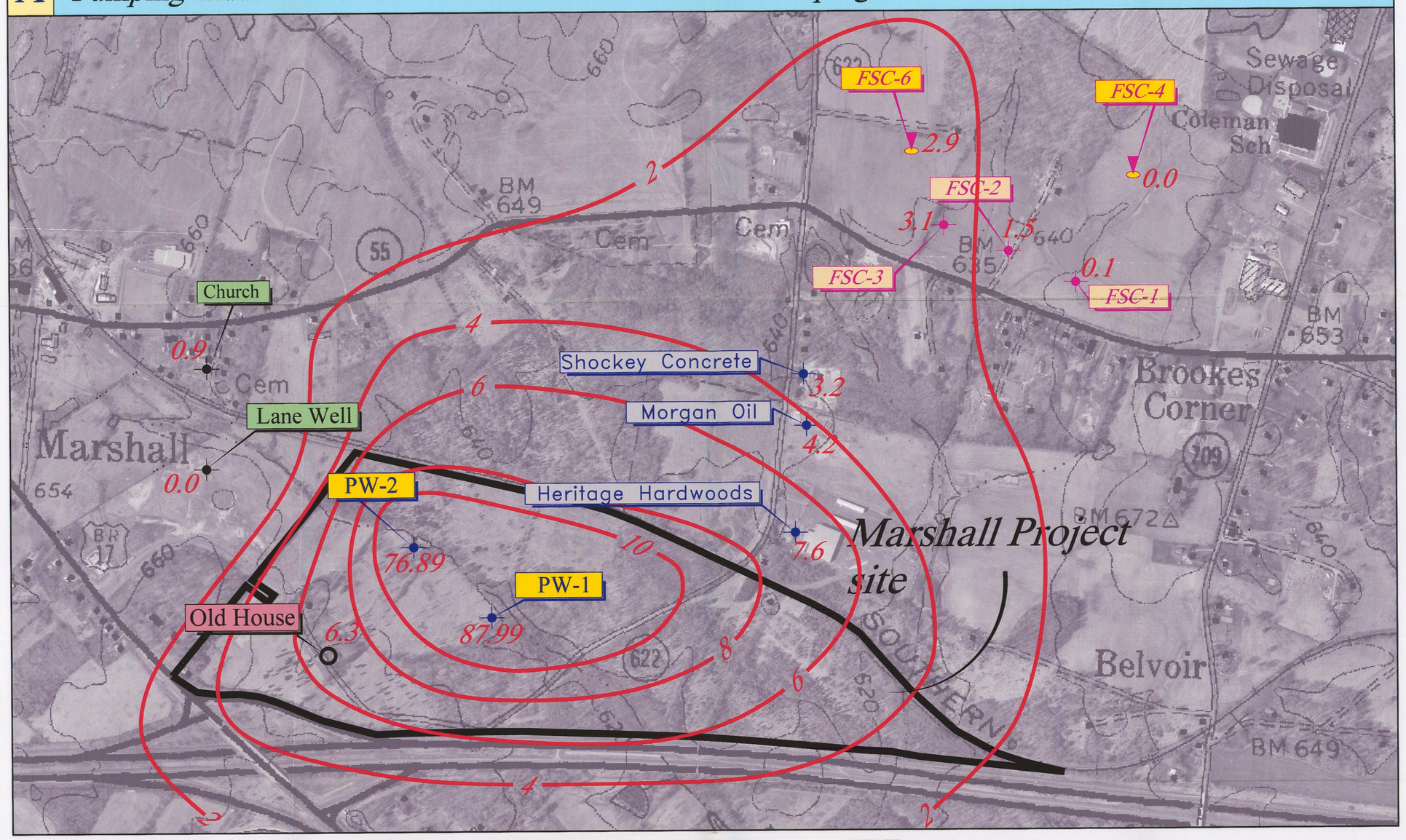
Plot of Water Level versus Time for July 29 to August 16, 2003



Plot of Water Level versus Time for July 29 to August 16, 2003

A Pumping-Induced Drawdown at the Conclusion of the Pumping Test

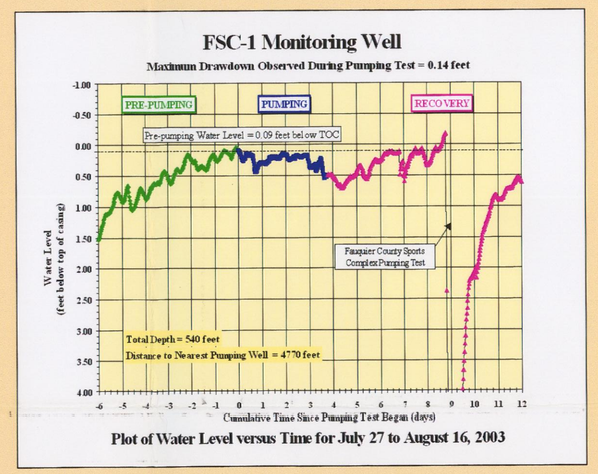
Scale is 1" = 500' 1:6000



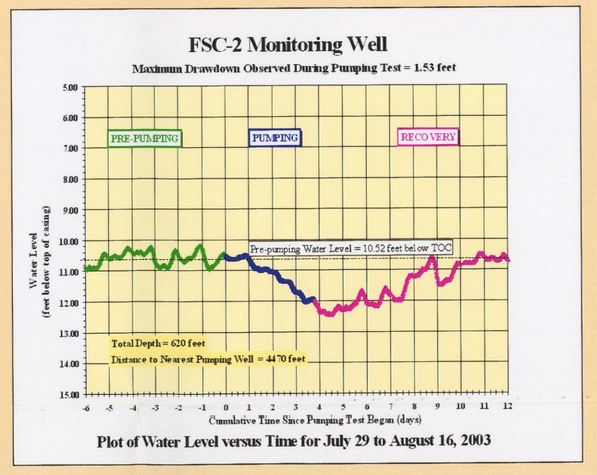
Well Location Legend

- PW-2 — Proposed Production Well
- Old House — On-Site Monitoring Well
- Lane Well — Off-Site Production Well
- FSC-6 — Proposed Irrigation Supply Well or Proposed Potable Supply Well Monitored at the Future Fauquier Sports Complex
- FSC-2 — On-Site Well Monitored at the Future Fauquier Sports Complex
- Morgan Oil — Off-Site Monitoring Well (Commercial Use)
- Contour of Pumping-Induced Drawdown at the Conclusion of Pumping (in feet). (Contour Interval = 2 feet) — 10, 7.6 — Pumping-Induced Drawdown at the Conclusion of Pumping (in feet).

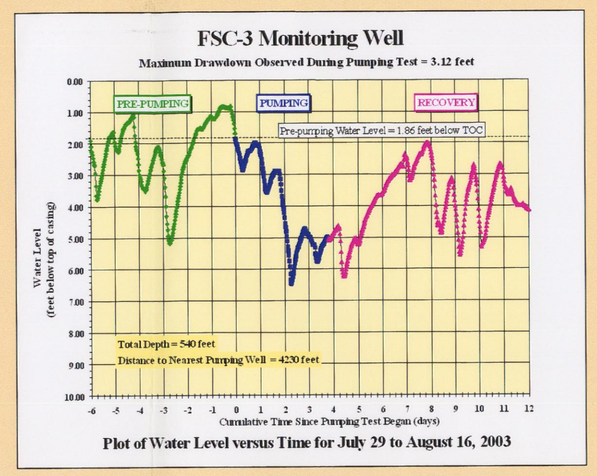
FAUQUIER SPORTS COMPLEX WELLS MONITORED



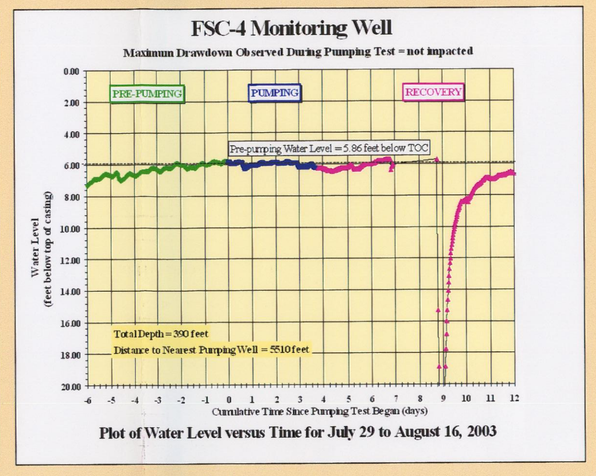
Plot of Water Level versus Time for July 27 to August 16, 2003



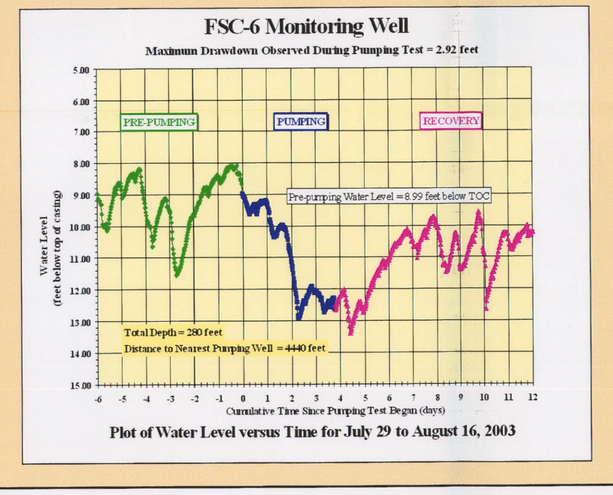
Plot of Water Level versus Time for July 29 to August 16, 2003



Plot of Water Level versus Time for July 29 to August 16, 2003

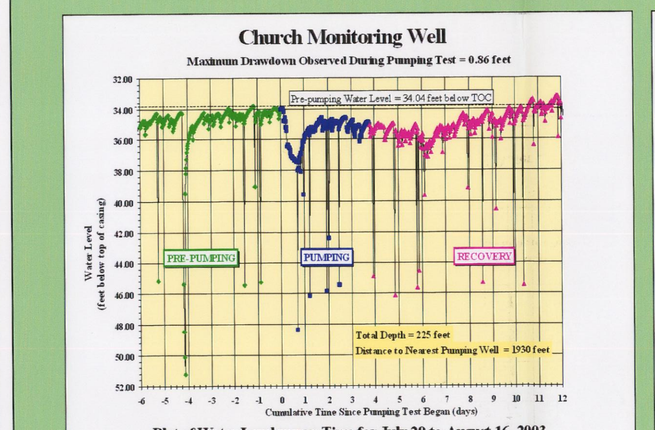


Plot of Water Level versus Time for July 29 to August 16, 2003

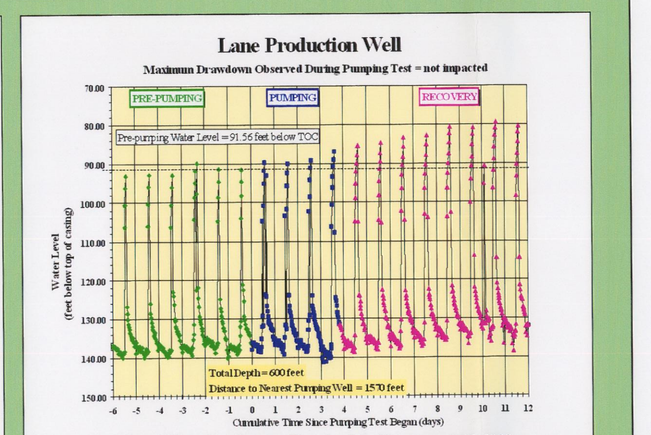


Plot of Water Level versus Time for July 29 to August 16, 2003

OFF-SITE PRODUCTION WELLS

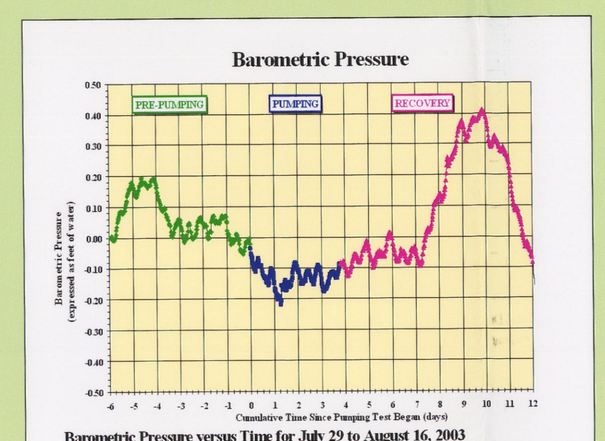


Plot of Water Level versus Time for July 29 to August 16, 2003

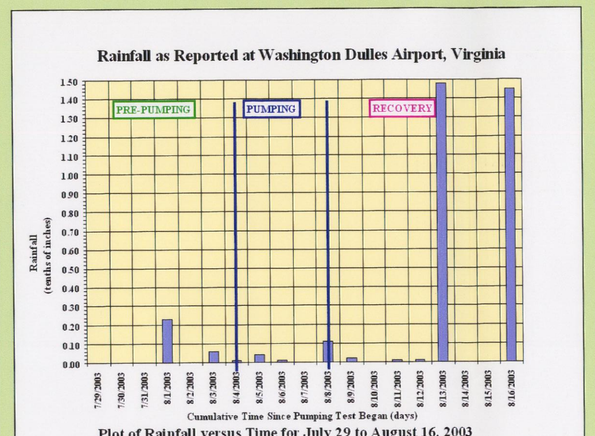


Plot of Water Level versus Time for July 29 to August 16, 2003

CLIMATIC MONITORING



Barometric Pressure versus Time for July 29 to August 16, 2003



Plot of Rainfall versus Time for July 29 to August 16, 2003

PUMPING WELLS

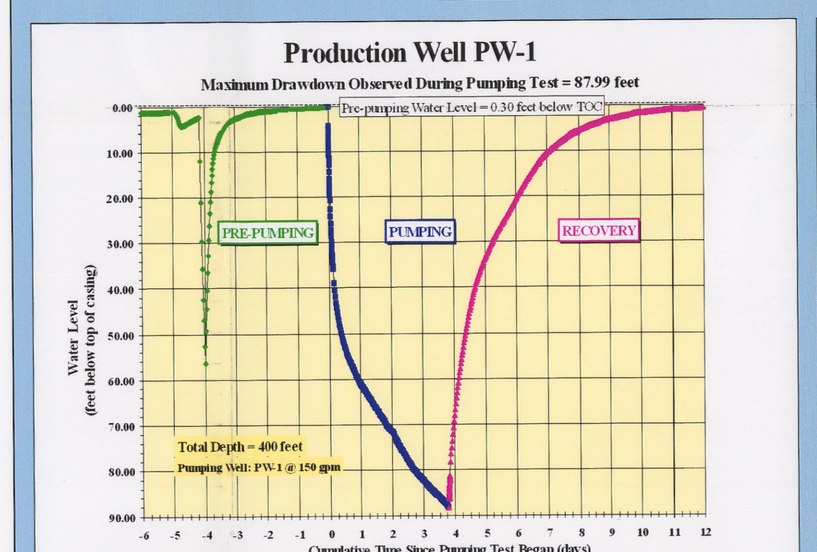


Figure 7 -- Plot of Water Level versus Time for July 29 to August 16, 2003

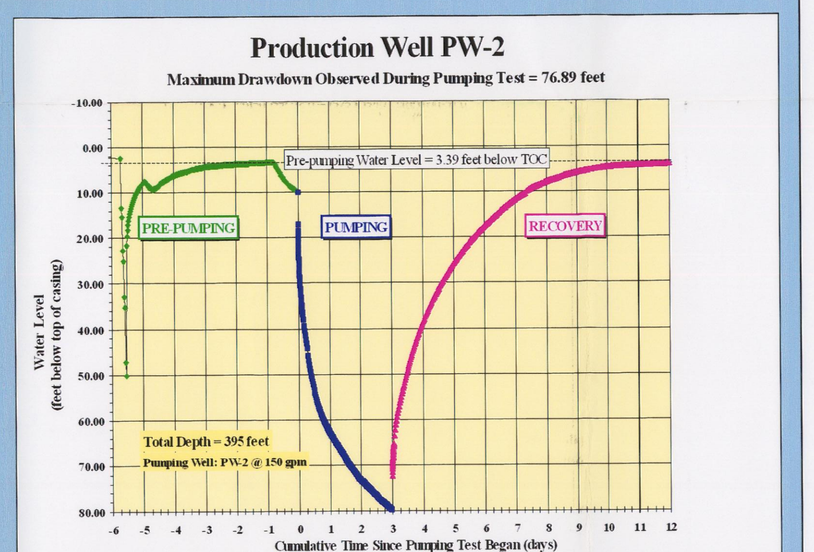
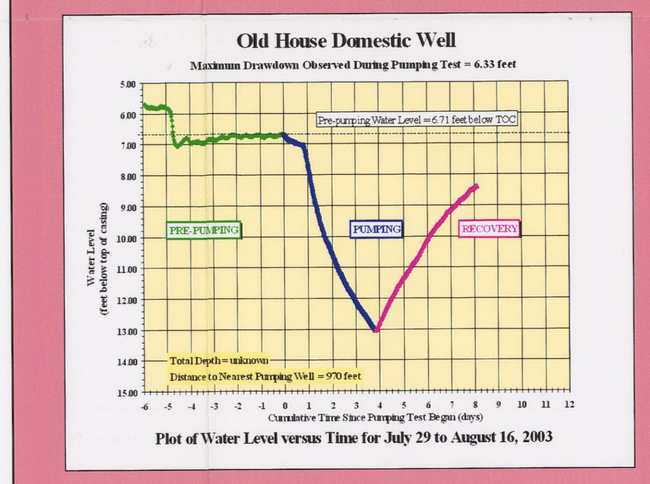
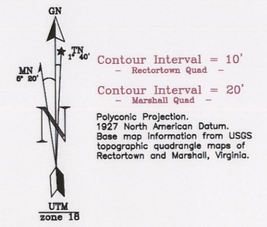


Figure 10 -- Plot of Water Level versus Time for July 30 to August 17, 2003

ON-SITE WELL MONITORED



Plot of Water Level versus Time for July 29 to August 16, 2003



Contour Interval = 10' Rectorstown Quad

Contour Interval = 20' Marshall Quad

Polyconic Projection
1927 North American Datum.
Base map information from USGS Rectorstown and Marshall Quadrangle maps of Rectorstown and Marshall, Virginia.

GROUNDWATER INVESTIGATION OF THE MARSHALL PROJECT SITE

WELLS and PUMPING TEST DATA

Job Number:	Date:	
VA0503953U	October, 2003	PLATE 1

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