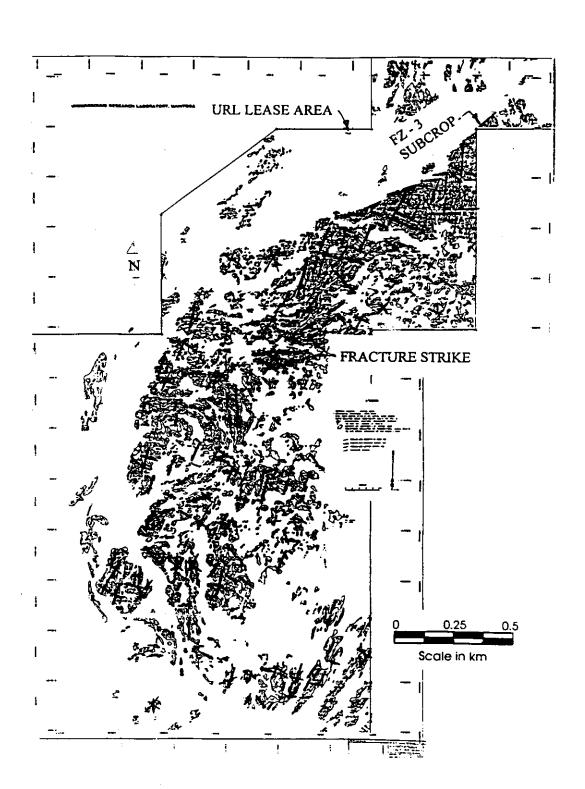
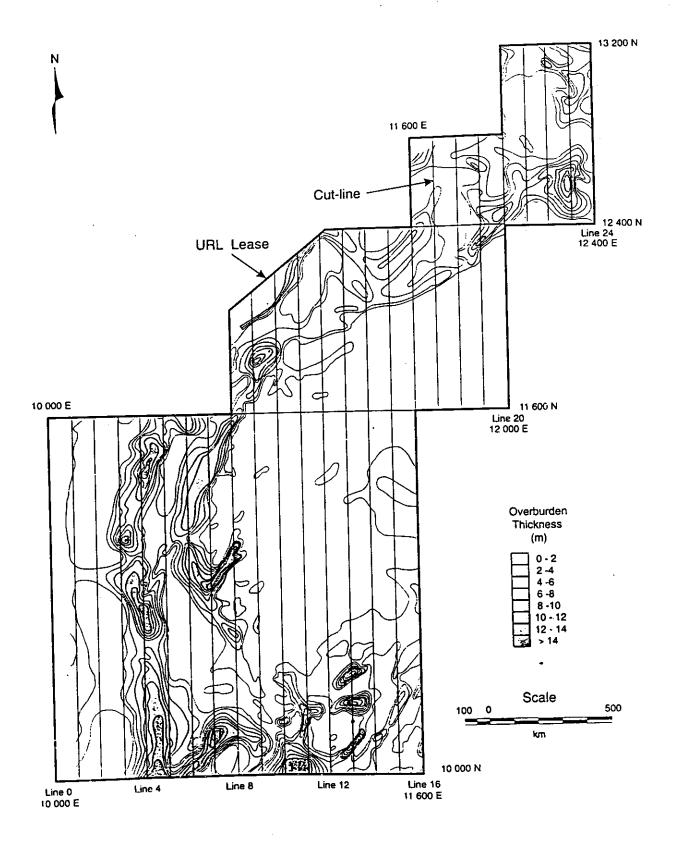
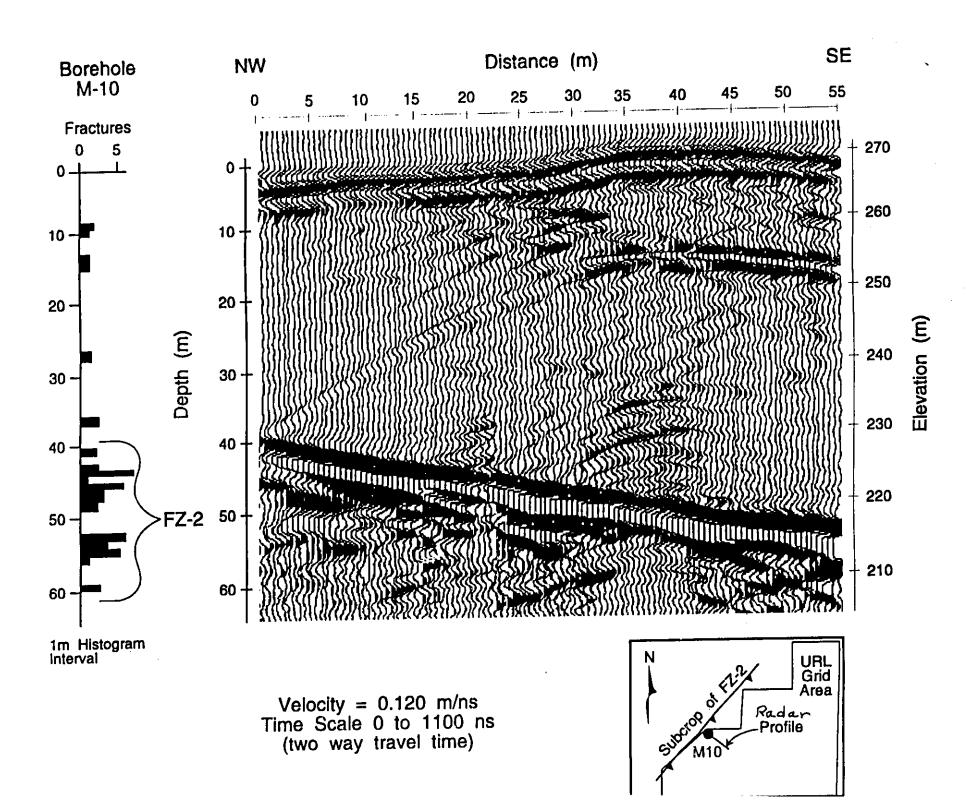
CANDIDATE SITE CHARACTERIZATION

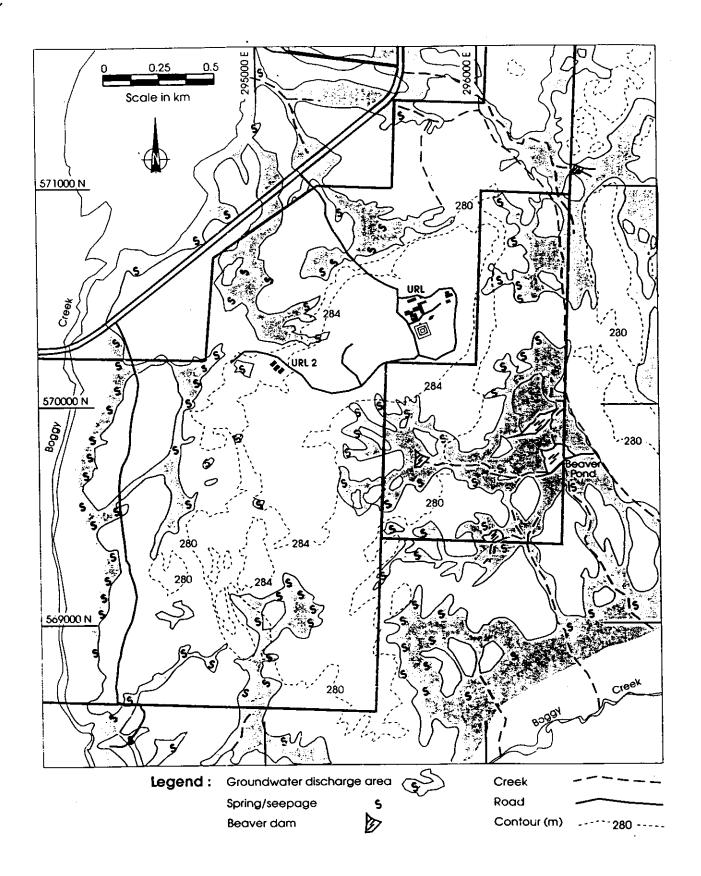
- SURFACE GEOLOGIC MAPPING
- SURFACE GEOPHYSICAL SURVEYS
- HYDROGEOLOGICAL MAPPING
- DRILLING, LOGGING, SAMPLING, TESTING AND MONITORING
- UNDERGROUND HYDROGEOLOGIC INVESTIGATIONS

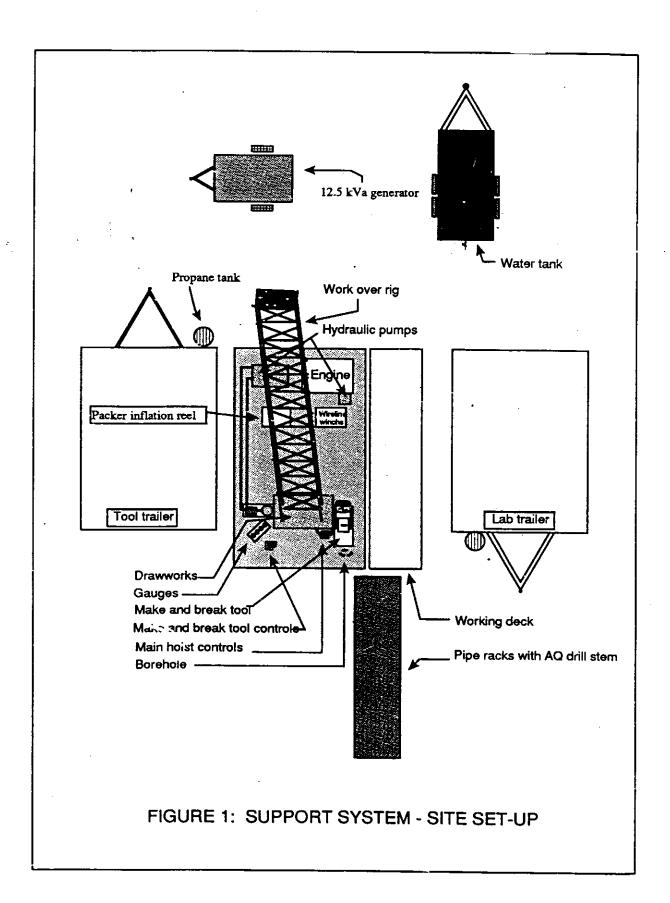


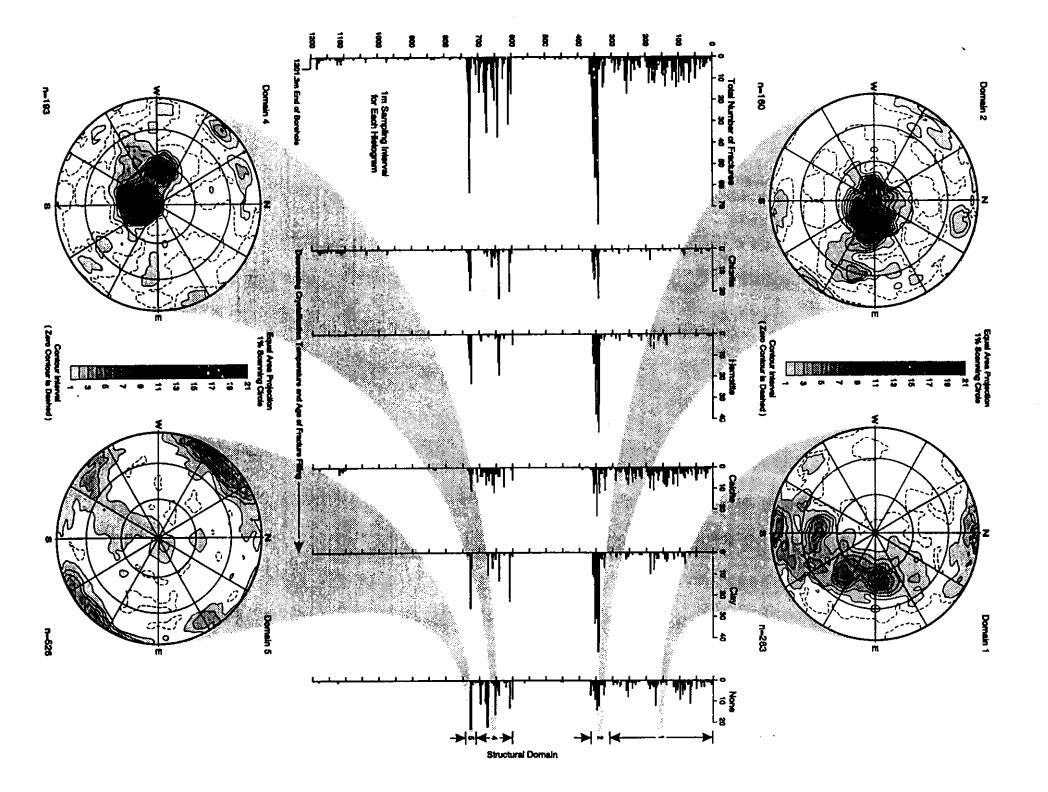


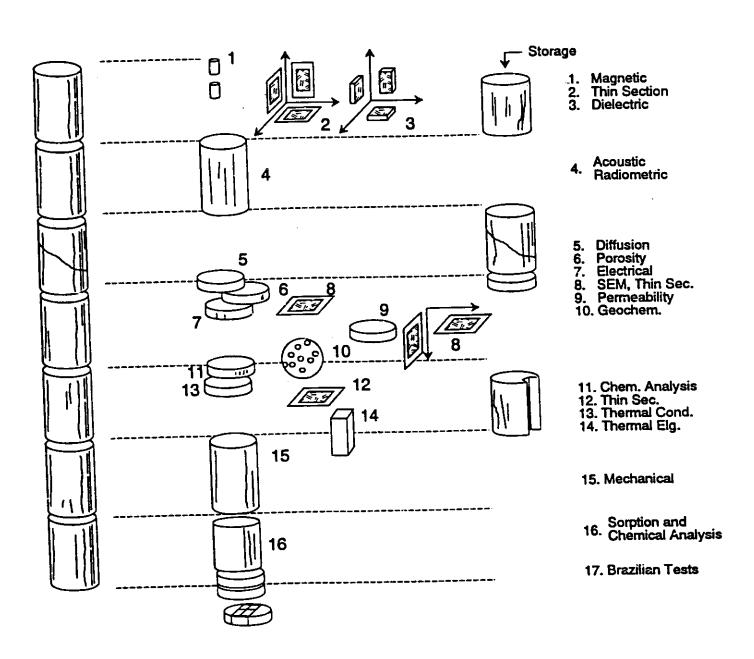




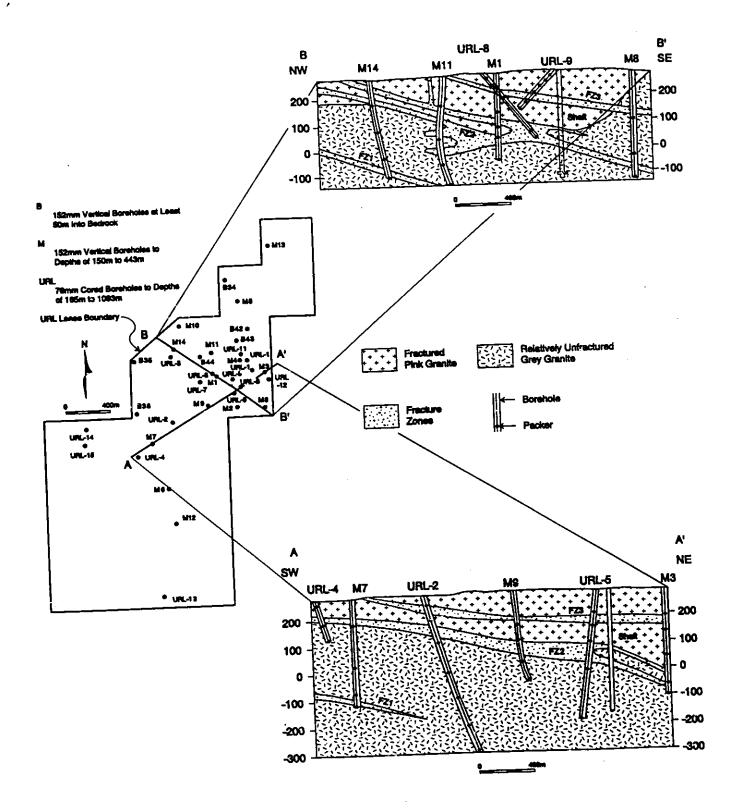


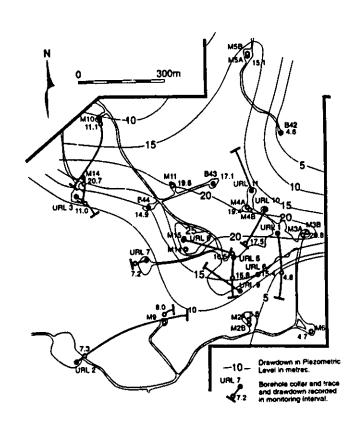


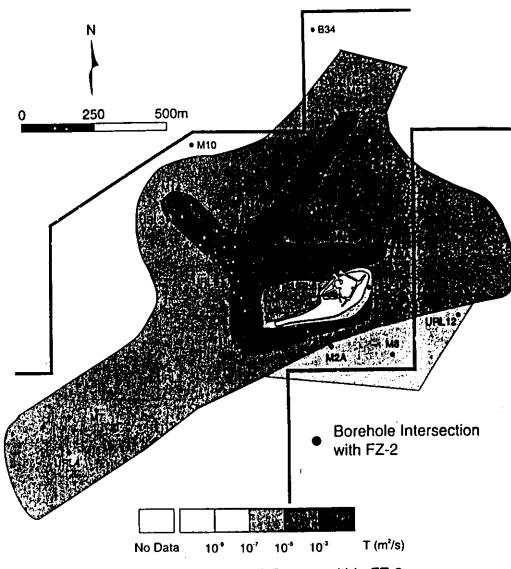




RE 6-11: Schematic of Core Sampling Distribution







b) Transmissivity (T) Pattern within FZ-2

 a) Drawdown in Observation Wells in FZ-2 in Response to Pumping at M1A (after 7400 min. of pumping), July 1983 test

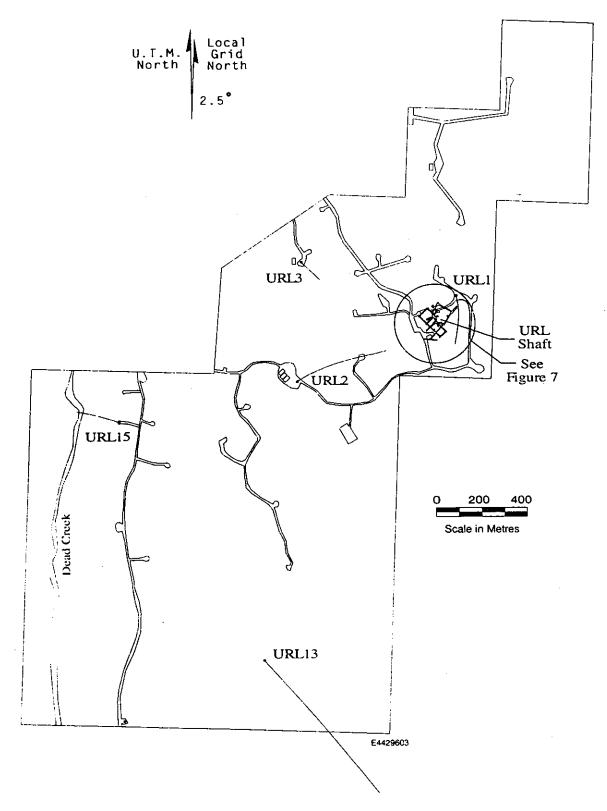


Figure 6 Location of boreholes collared at ground surface at the URL in which straddle packer injection tests were done in sparsely fractured rock.

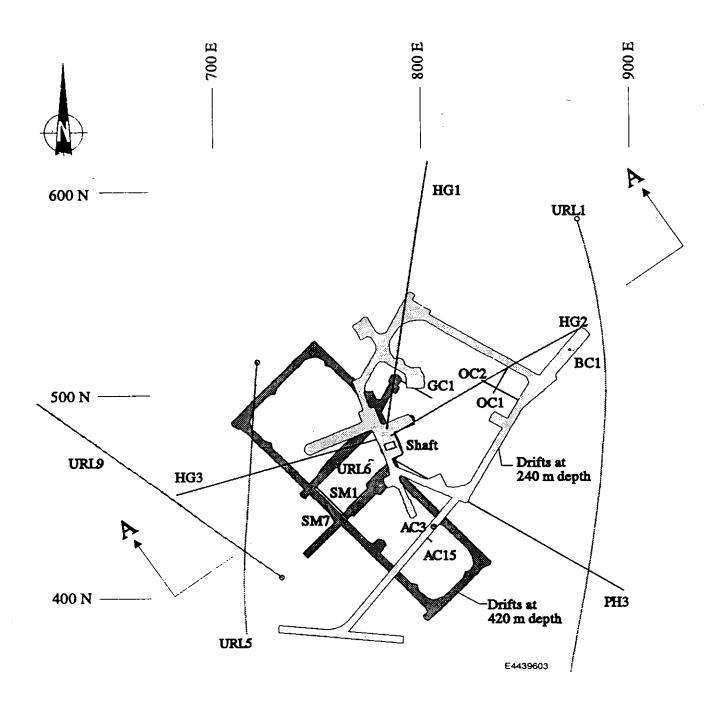


Figure 7 Plan view of drifts at the 240 m and 420 m depths, horizontal traces of surface boreholes URL1,5 and 9, underground boreholes used for water sampling and piezometric level monitoring, and the location of Section A-A (Figure 8) at the URL.

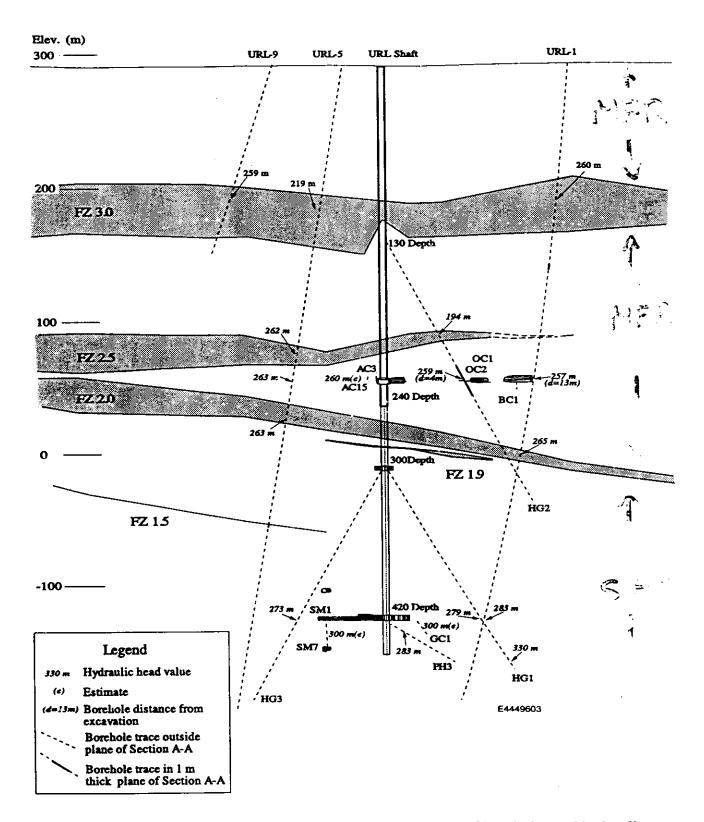
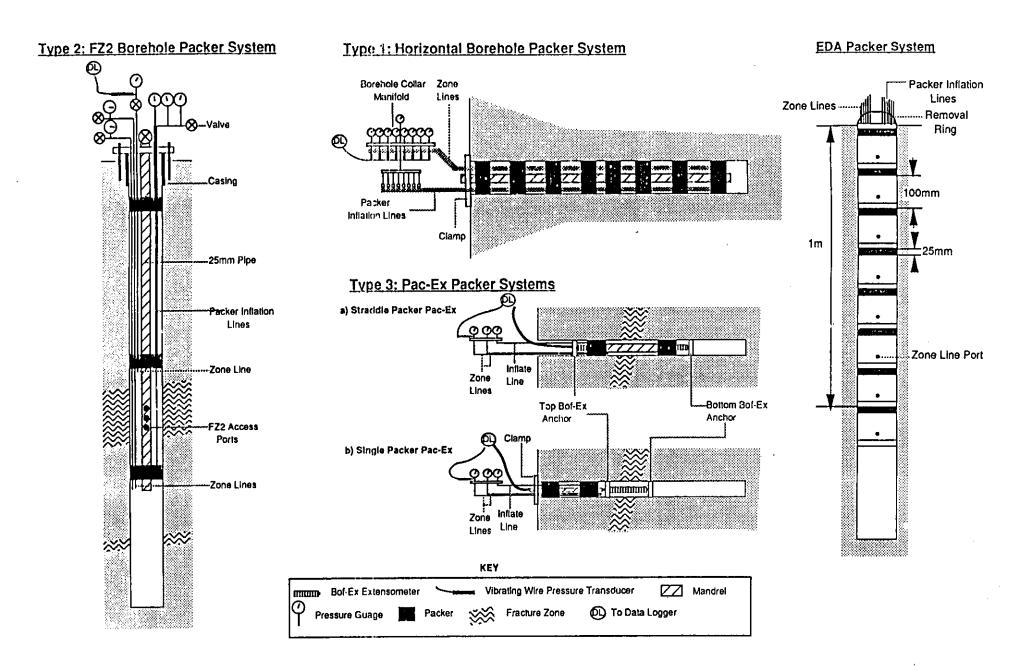
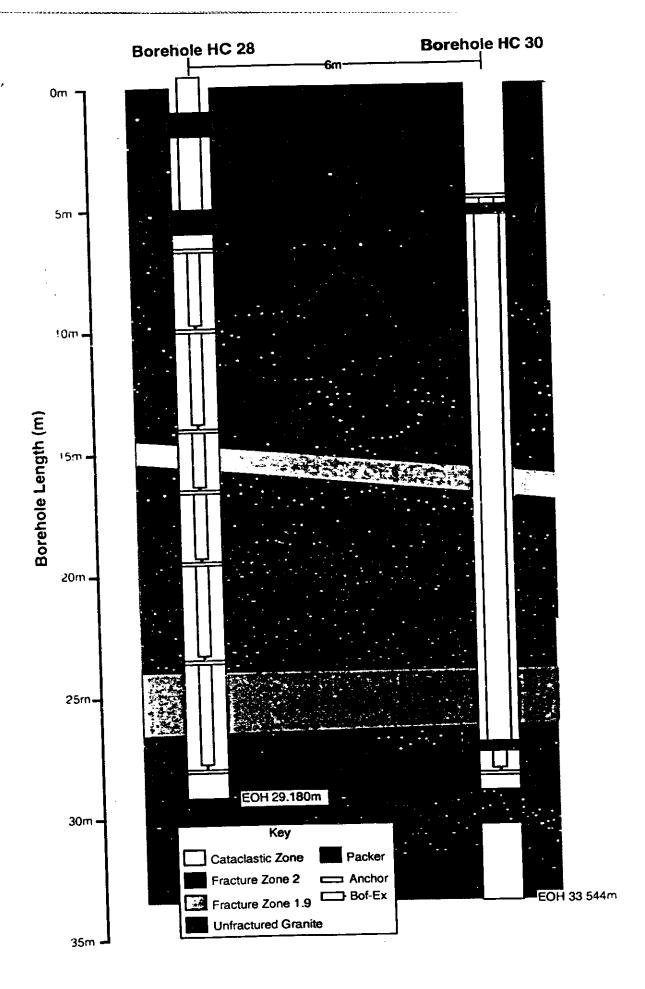


Figure 8 Section A-A (from Figure 7) showing vertical traces of boreholes and hydraulic head values at selected depths, and locations of boreholes where pore water seepages was collected.

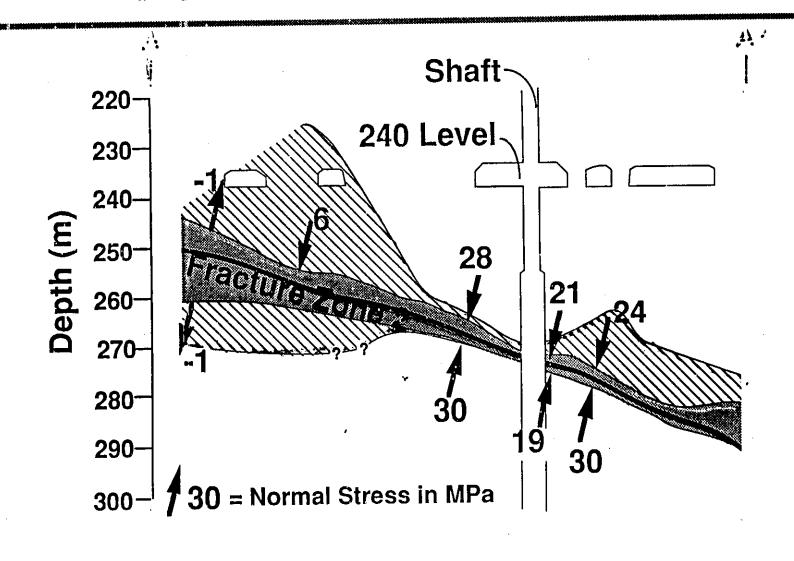
Figure 1: Hydrogeological Packer Sytems for Underground Hydrogeological Characterization





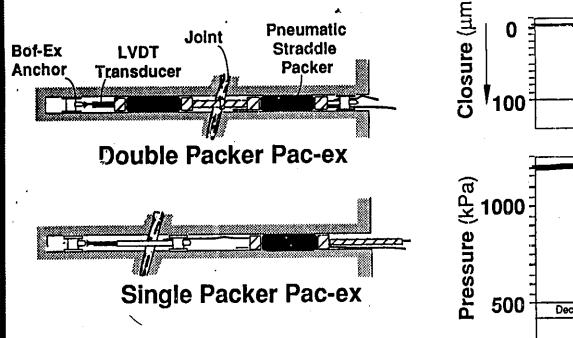


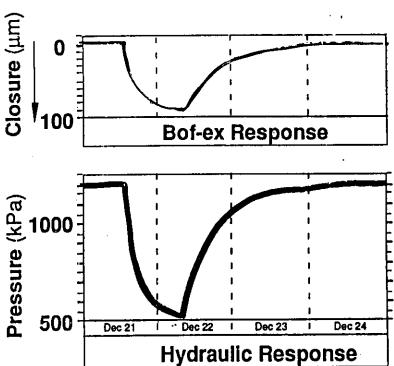
Normal Stress on FZ#2



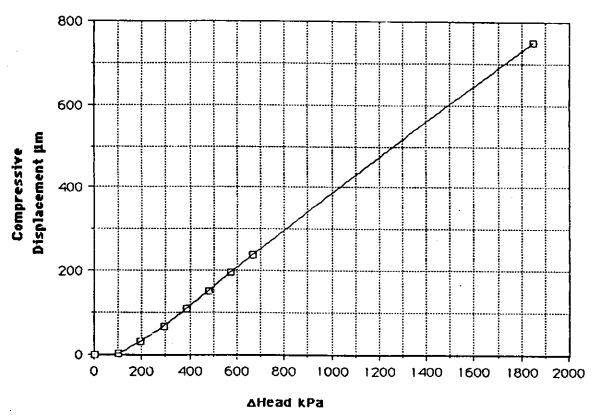


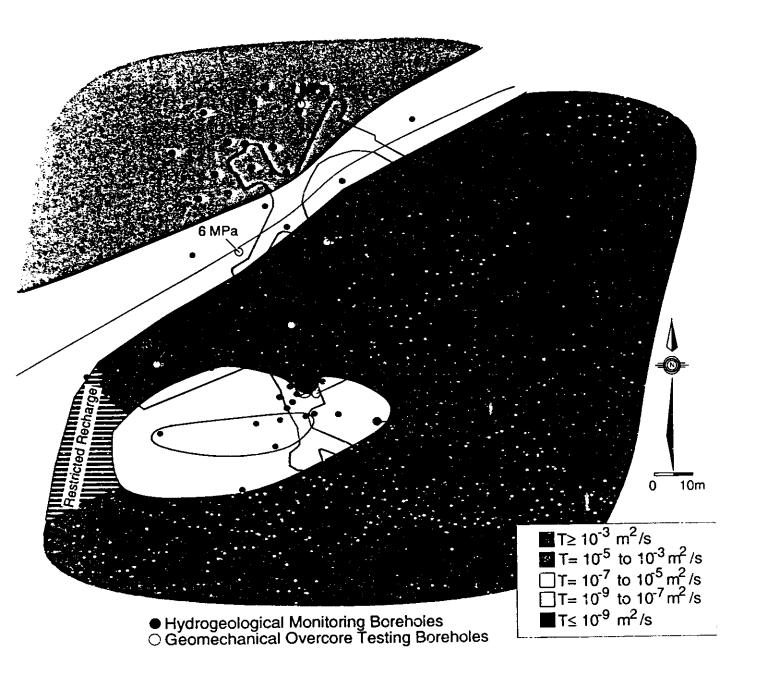
Pac-ex & Response

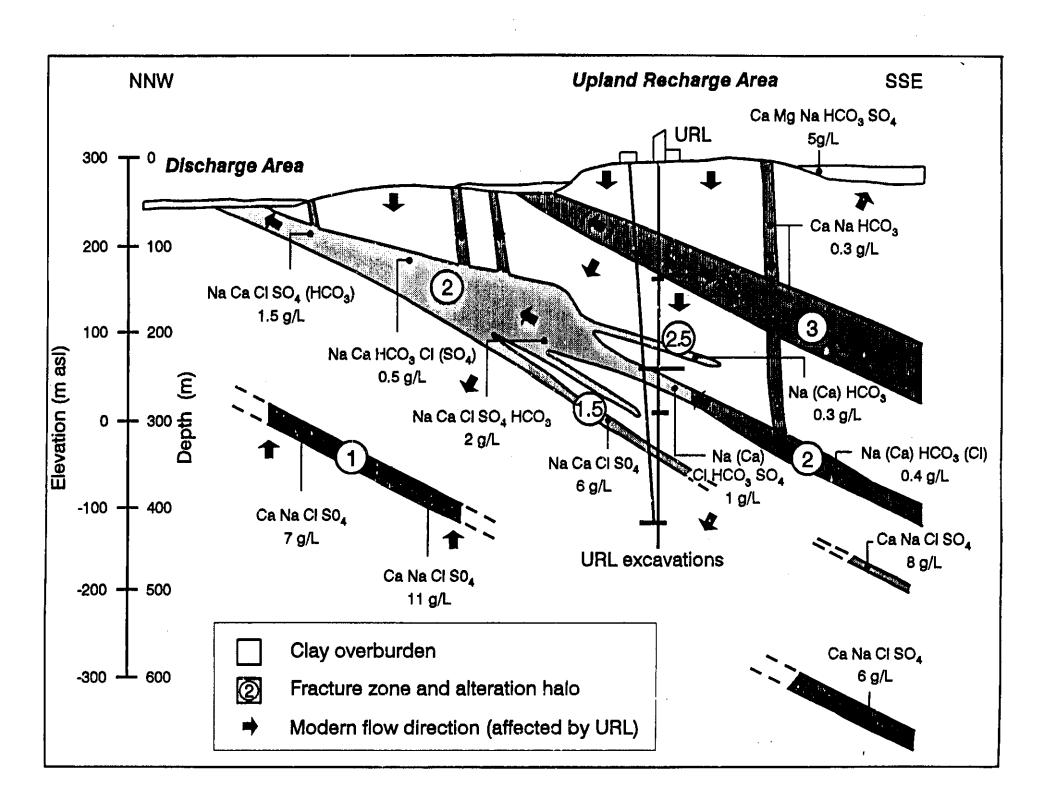




Fracturezone 2 Compressibility Testing Borehole HC30 – Displacement vs AHydraulic Head







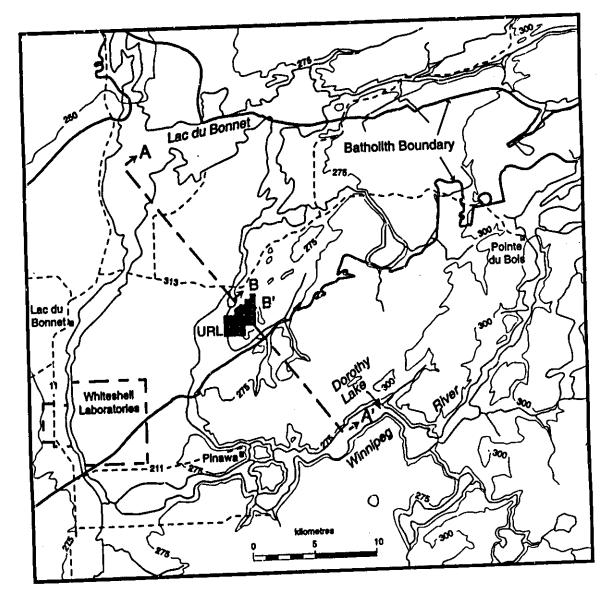


FIGURE 5.4.2: The Whiteshell Research Area showing the location of the two-dimensional numerical model, label AA'. This line is approximately along a regional groundwater flow line, i.e., there is little flow perpendicular to the plane.

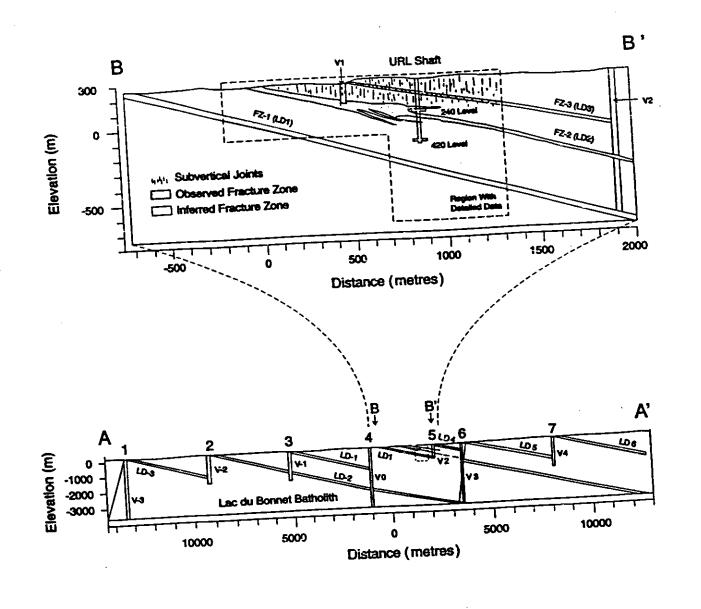
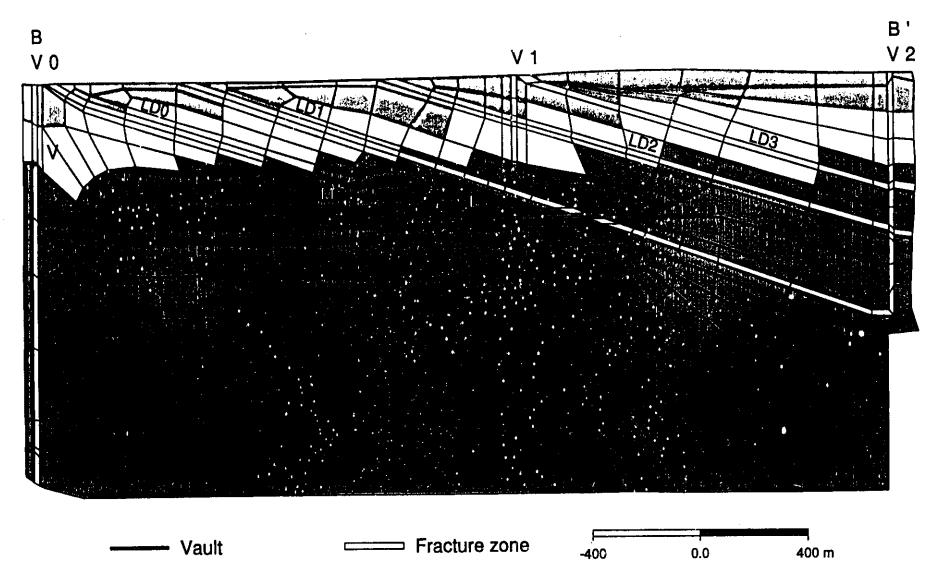
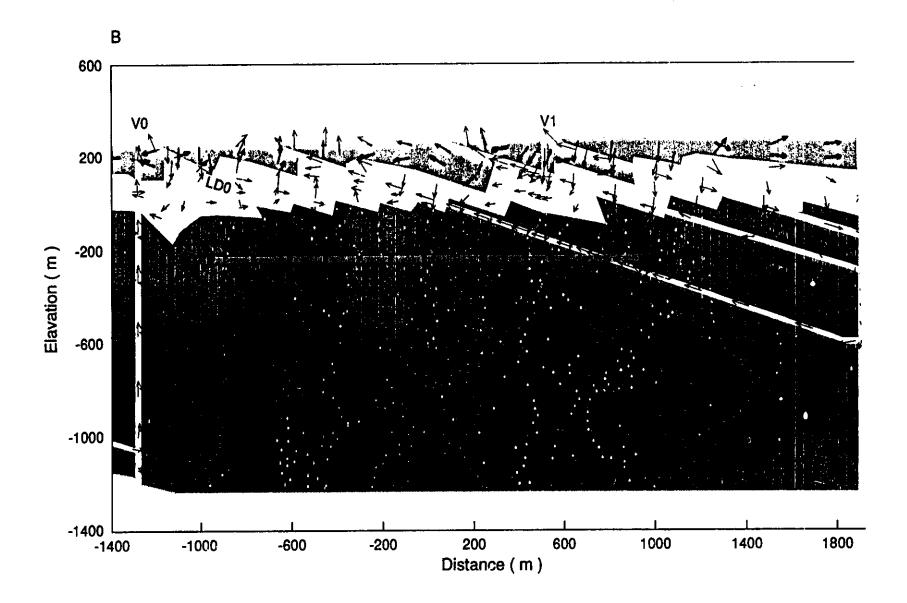


FIGURE 5.3.2: This figure illustrates in cross-section how the structural inferences from the region were combined with the conceptual model of the URL and how the geometry of the features in the conceptual model were regularized



* Location Selected for Plots of Predicted Temperature and Velocity Versus Time



HYDROGEOLOGICAL ASPECTS:

- HOST AREA SCREENING
- POTENTIAL CANDIDATE AREA EVALUATION
- CANDIDATE AREA CHARACTERIZATION
- FAVOURABLE CANDIDATE SITE CHARACTERISTICS
- CANDIDATE SITE CHARACTERIZATION
- RESEARCH AND DEVELOPMENT



RESEARCH AND DEVELOPMENT:

- IN-HOUSE VERSUS CONTRACTED TECHNICAL EXPERTISE
- ACADEMIC AND PRACTICAL TRAINING
- TOOL DEVELOPMENT
- NATIONAL AND INTERNATIONAL SUPPORT



IN-HOUSE VERSUS CONTRACTED TECHNICAL EXPERTISE SCIENTIFIC DISCIPLINES:

ENVIRONMENT;

GEOLOGY:

GEOPHYSICS:

HYDROGEOCHEMISTRY

HYDROLOGY;

HYDROGEOLOGY:

HYDRAULICS;

GEOMECHANICS

MATHEMATICAL MODELLING

DEVELOP BROAD HYDROGEOLOGICAL EXPERTISE BASE:

INTERNATIONAL CONSULTANTS;

THAI GOVERNMENT AGENCY STAFF:

THAI UNIVERSITY STAFF;

PRIVATE CONSULTANTS AND CONTRACTORS

SPREAD INVOLVMENT AND SUPPORT:

PROMOTES THAI RESEARCH AND DEVELOPMENT; PROMOTES MUTUAL UNDERSTANDING AND TRUST; PROMOTES INTERNATIONAL RESPECT

