

**U.S. DEPARTMENT OF ENERGY
OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT**

**PRESENTATION TO
THE NUCLEAR WASTE TECHNICAL REVIEW BOARD**

**SUBJECT: INTRODUCTION AND
FRAMEWORK OF
SATURATED-ZONE STUDIES**

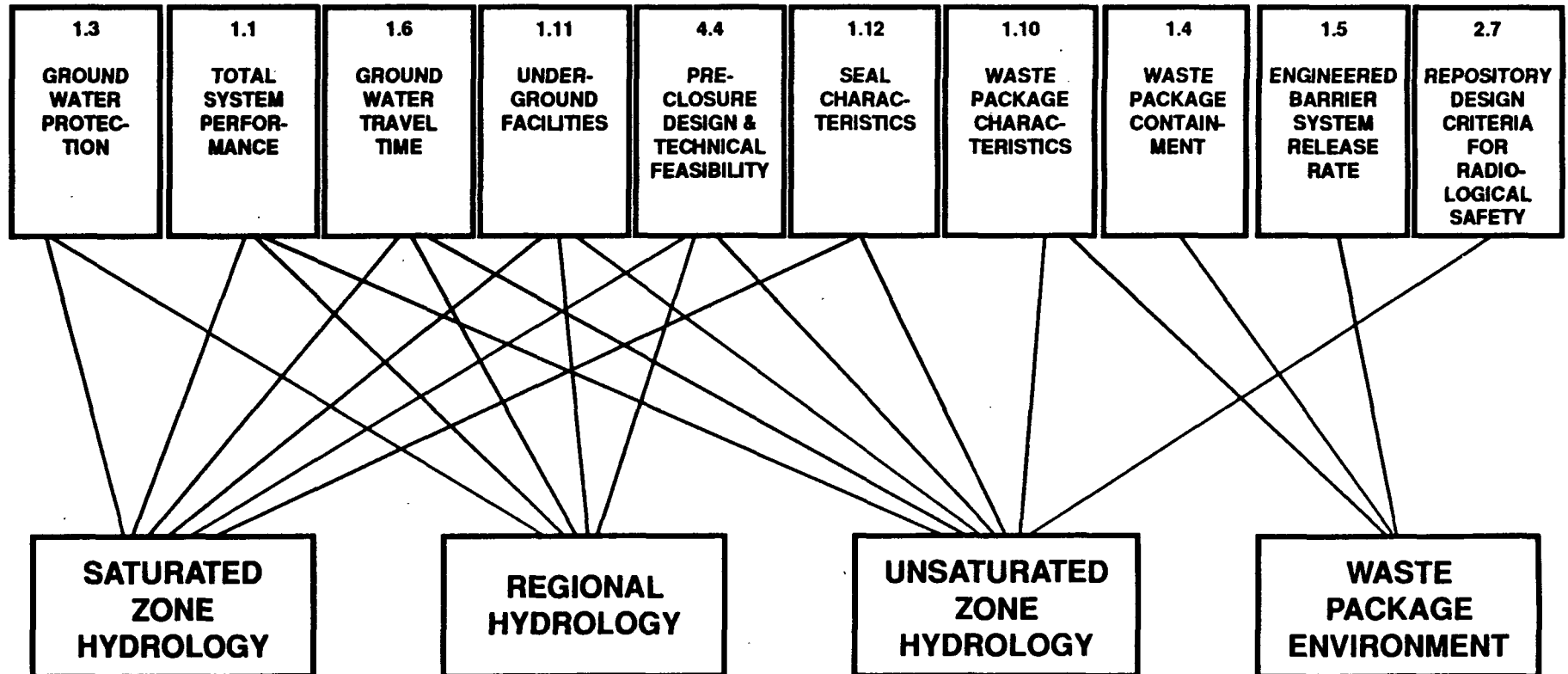
PRESENTER: CLAUDIA M. NEWBURY

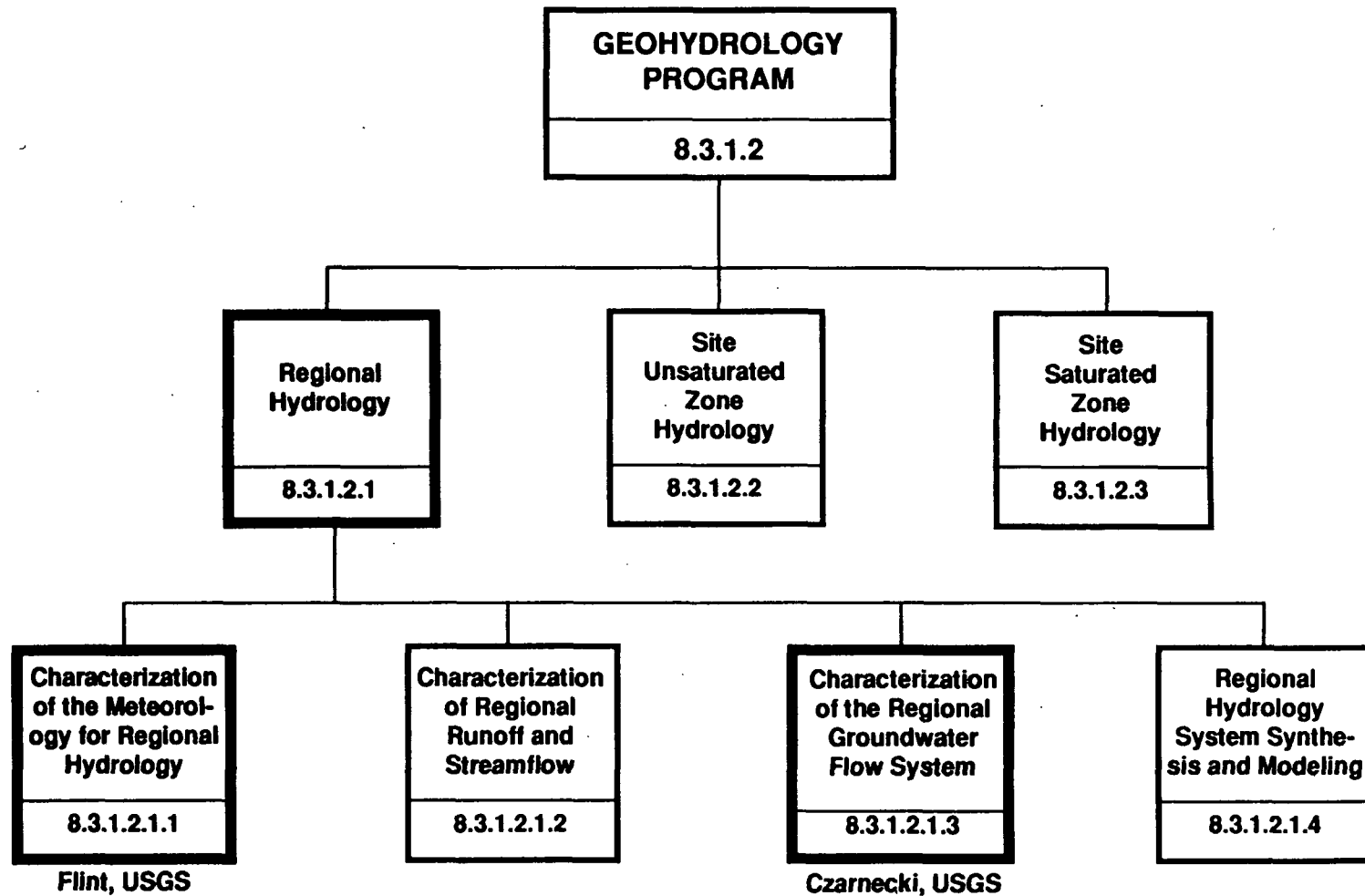
**PRESENTER'S TITLE
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U.S. DEPARTMENT OF ENERGY
LAS VEGAS, NEVADA**

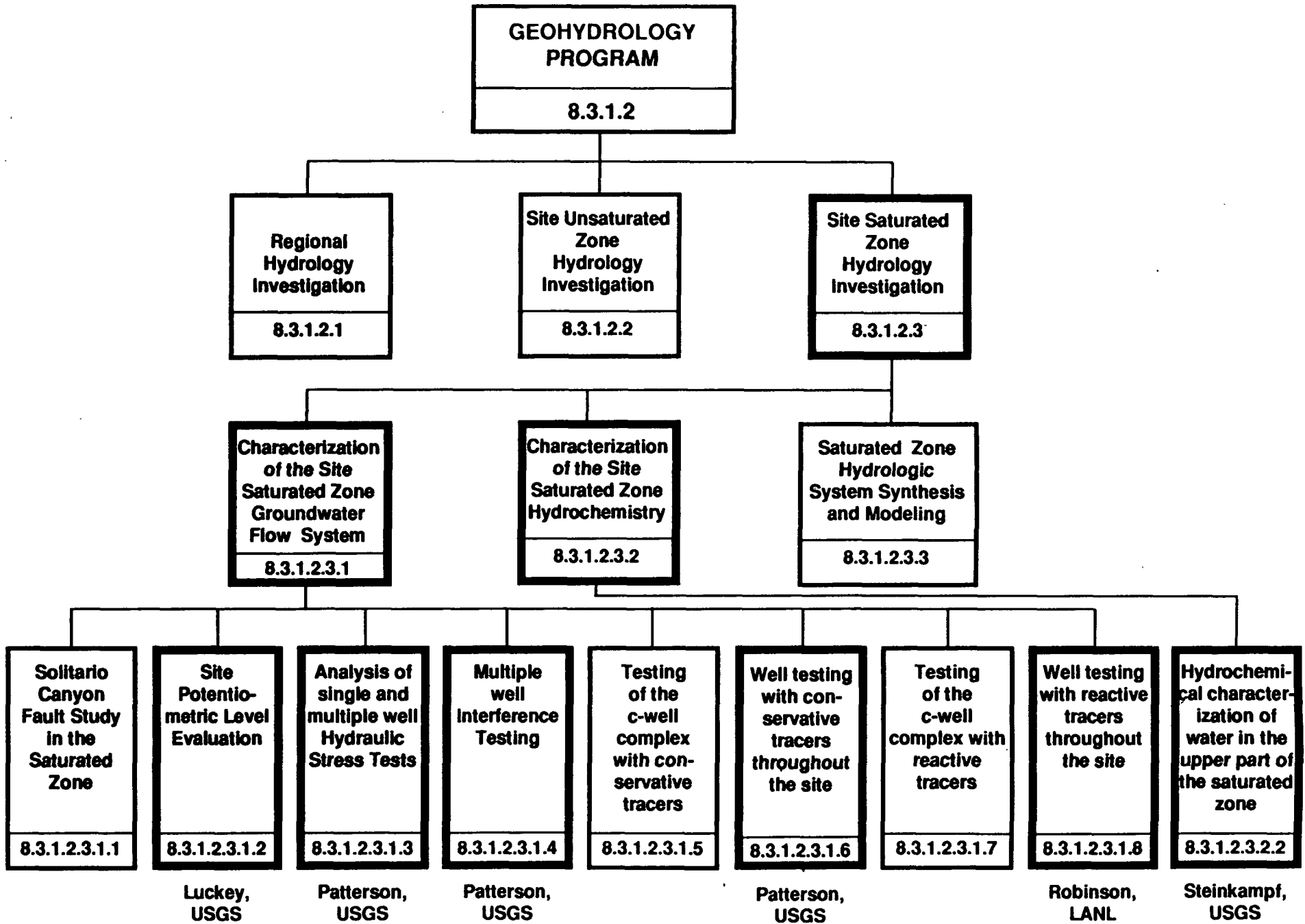
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TELEPHONE NUMBER: (702) 794-7942**

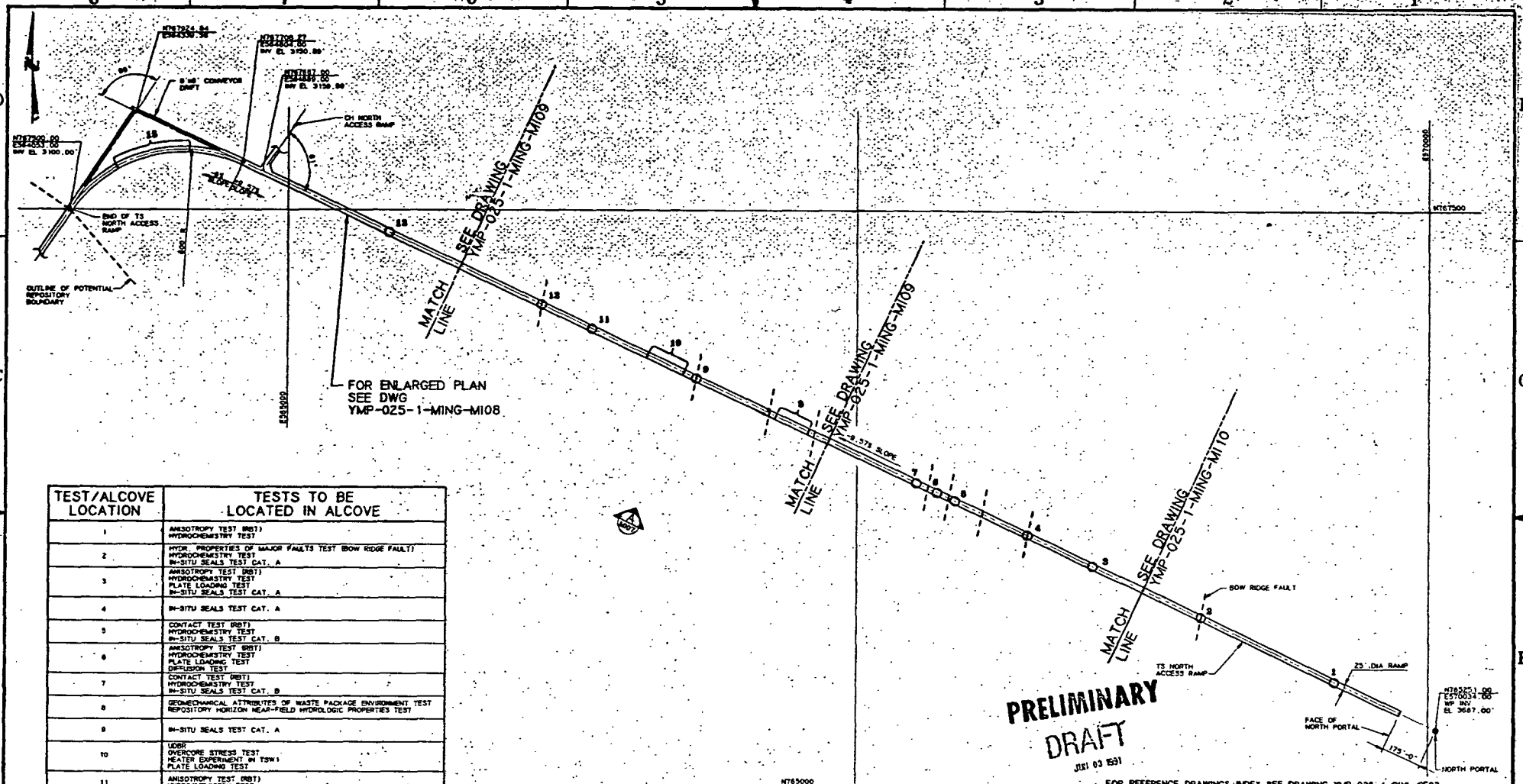
**REGISTRY HOTEL, DENVER, COLORADO
JUNE 25-27, 1991**

ISSUES RELATING TO GROUNDWATER HYDROLOGY









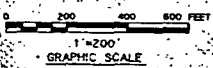
TEST/ALCOVE LOCATION	TESTS TO BE LOCATED IN ALCOVE
1	ANISOTROPY TEST (RBT) HYDROCHEMISTRY TEST
2	HYDR. PROPERTIES OF MAJOR FAULTS TEST (BOW RIDGE FAULT) HYDROCHEMISTRY TEST IN-SITU SEALS TEST CAT. A
3	ANISOTROPY TEST (RBT) HYDROCHEMISTRY TEST PLATE LOADING TEST IN-SITU SEALS TEST CAT. A
4	IN-SITU SEALS TEST CAT. A
5	CONTACT TEST (RBT) HYDROCHEMISTRY TEST IN-SITU SEALS TEST CAT. B
6	ANISOTROPY TEST (RBT) HYDROCHEMISTRY TEST PLATE LOADING TEST DIFFUSION TEST
7	CONTACT TEST (RBT) HYDROCHEMISTRY TEST IN-SITU SEALS TEST CAT. B
8	GEOMECHANICAL ATTRIBUTES OF WASTE PACKAGE ENVIRONMENT TEST REPOSITORY HORIZON NEAR-FIELD HYDROLOGIC PROPERTIES TEST
9	IN-SITU SEALS TEST CAT. A
10	UDR OVERCORE STRESS TEST HEATER EXPERIMENT IN TSW1 PLATE LOADING TEST
11	ANISOTROPY TEST (RBT) HYDROCHEMISTRY TEST
12	IN-SITU SEALS TEST CAT. A
13	HYDROCHEMISTRY TEST IN-SITU SEALS TEST CAT. B
15	HYDR. PROPERTIES OF MAJOR FAULTS (DRILL HOLE WASH STRUCTURE) HYDROCHEMISTRY TEST

GENERAL NOTES

1. THE BASIS FOR THE TEST ALCOVE LOCATIONS IS LAM TEST PLANNING PACKAGE 01-5 3/7/91 REV D.
2. THE GEOLOGICAL STRUCTURAL FEATURES ARE BASED ON SAIC PRELIMINARY CROSS SECTION CC-CC, DATE: 5/5/91.
3. ACTUAL TEST ALCOVES WILL BE LOCATED IN THE FIELD AS GEOLOGY IS REVEALED BY EXCAVATION. ALCOVE LOCATIONS SHOWN ARE APPROXIMATIONS.

TS NORTH ACCESS RAMP PLAN WITH PRELIMINARY TEST LOCATIONS

SCALE 1"=200'



PRELIMINARY DRAFT
JUN 03 1991

FOR REFERENCE DRAWINGS INDEX SEE DRAWING YMP-025-1-CIVL-GE02

NO.	DATE	REVISION	DES	DRN	CHK	DEC	DR	WRK	ENG	QA	TPD	YMPD
<p align="center">U.S. DEPARTMENT OF ENERGY YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT OFFICE LAS VEGAS, NEVADA</p>												
<p>APPROVALS</p>			<p>RSN Raytheon Services Nevada LAS VEGAS, NEVADA</p>									
DESIGN	RLC		<p>EXPLORATORY STUDIES FACILITY NORTH RAMP GENERAL ARRANGEMENT TS PRELIMINARY TEST LOCATIONS PLAN</p>									
CHECKED	CLP		<p>YPO SUBMITTED</p>									
DEC	[Signature]		<p>DRAWING NO. YMP-025-1-MING-MI06</p>									
DESIGN MANAGER			<p>YPO ACCEPTED</p>									
APPROVED			<p>DATE</p>									
DATE HEALTH & SAFETY			<p>SIT</p>									
QUALITY ASSURANCE			<p>REV. OF</p>									
FOR TYPING			<p>DATE</p>									
DATE			<p>SIT</p>									