



WM DOCKET CONTROL CENTER

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

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Reply to:
1050 East Flamingo Rd.
Suite 319
Las Vegas, Nevada 89119
Tel: (702) 388-6125
FTS: 598-6125

TO: Dr. John Trapp
FROM: Paul T. Prestholt, Sr. On-Site Licensing Representative
DATE: April 21, 1987
SUBJECT: Figures 1, 2, 3, 4, and 5 from Ongoing Activities

Please find enclosed the above-referenced information that you requested.

PTP:nan

WM Record File 102 WM Project 11
Docket No. _____
PDR _____
XLPR (N)

Distribution:
J. Trapp Linehan
Stahlein

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PDR WASTE PDR
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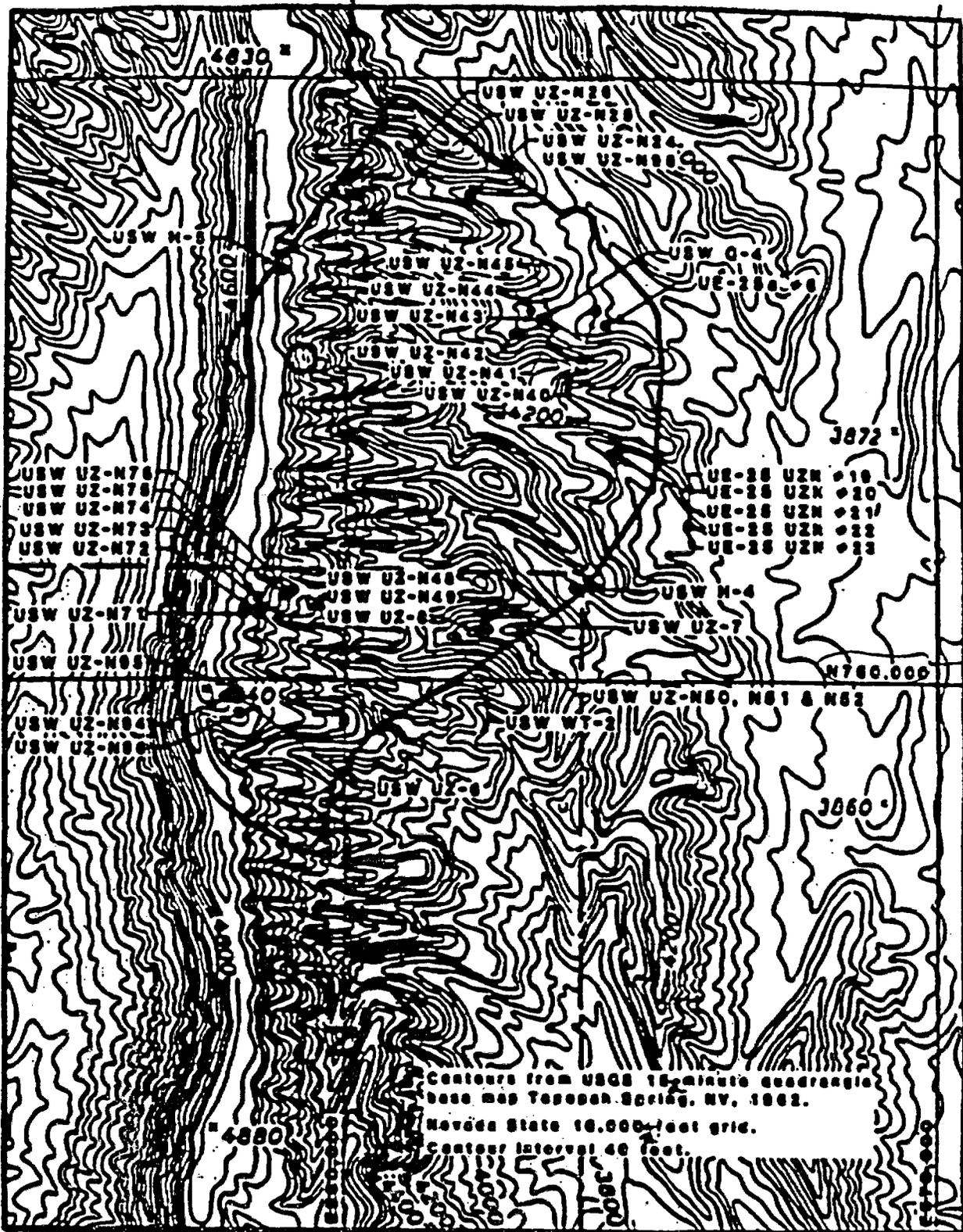
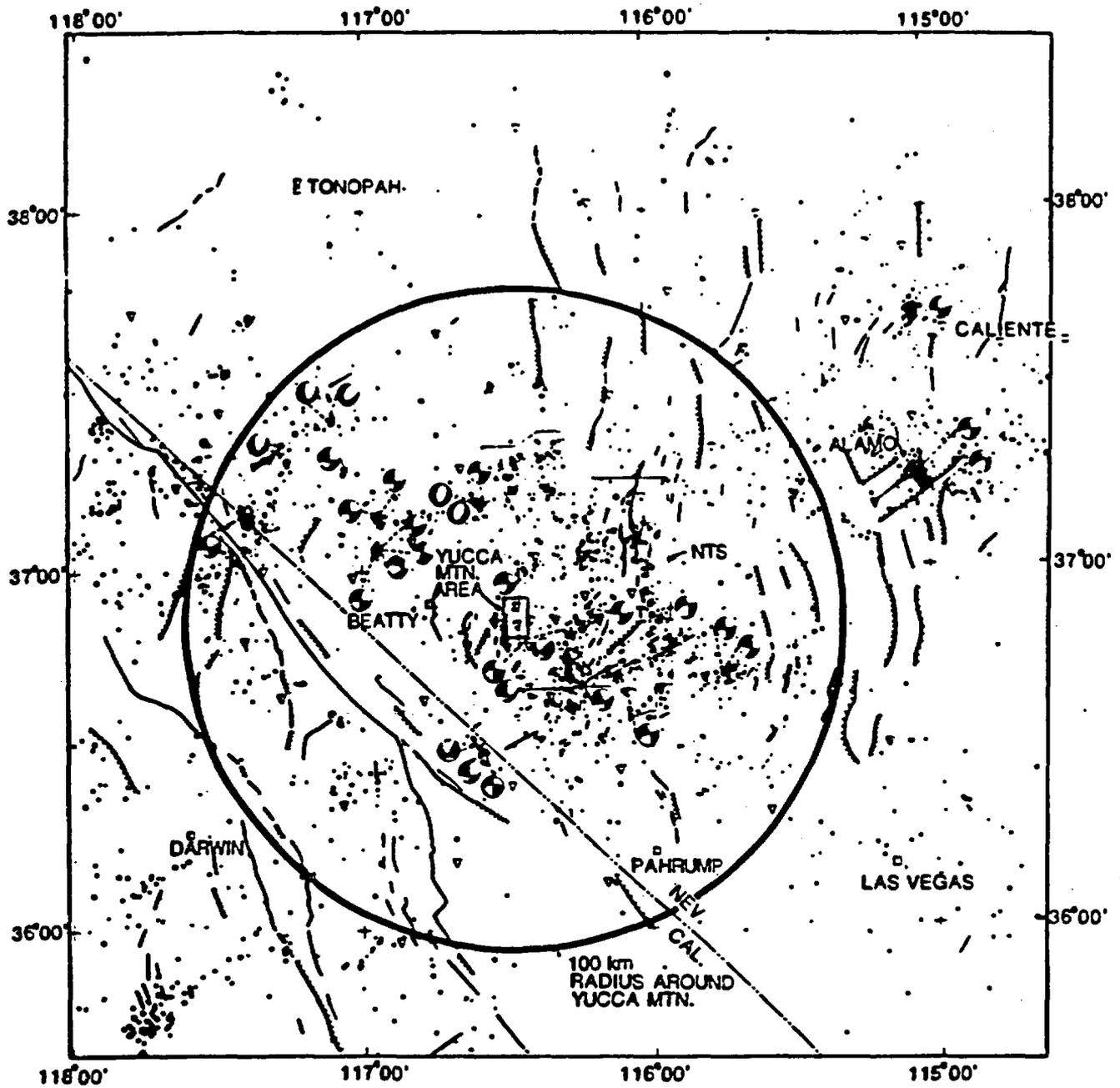


Figure 1. Drillholes located within the outline of the perimeter drift.



10 0 10 20 30 40 MILES
10 0 10 20 30 40 50 KILOMETERS

ALL IMPORTANT QUATERNARY FAULTS ARE SHOWN OUT TO A 100 km RADIUS OF YUCCA MOUNTAIN MAP IS INCOMPLETE IN SOME AREAS BEYOND THAT CIRCLE.

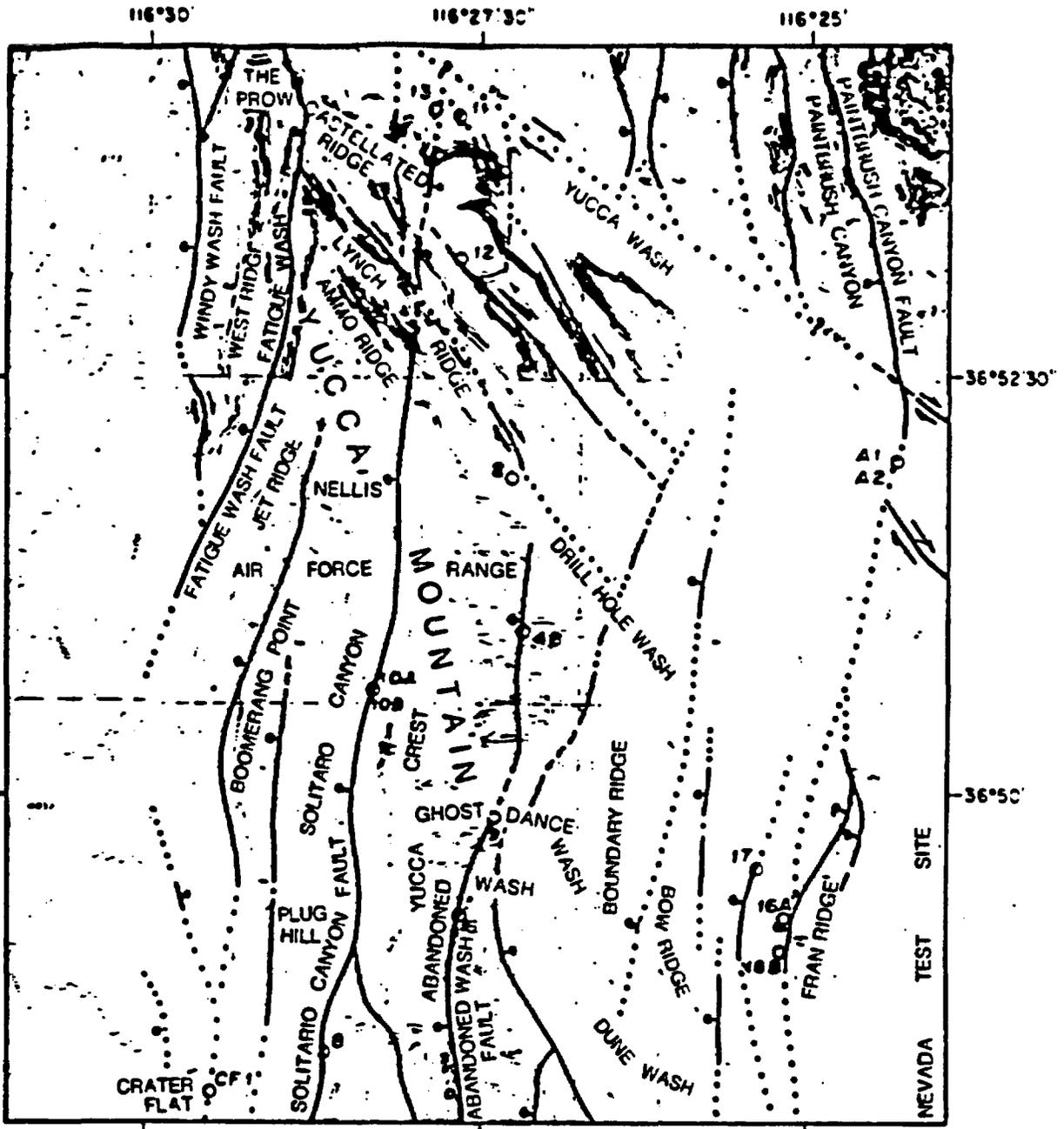
UNUSUALLY LINEAR MTN. FRONT WHERE PERSISTENT FAULT ACTIVITY HAS MAINTAINED A PROMINENT SCARP IN BEDROCK. A STEEP LINEAR MNT. SEGMENT WHERE YOUNG DEPOSITS ARE NOT OBVIOUSLY OFFSET.

FAULT KNOWN OR SUSPECTED TO HAVE HAD A SURFACE MOVEMENT IN LAST 2-3 MILLION YEARS

LINE OF VOLCANIC VENTS OF QUATERNARY AGE SEISMOGRAPH STATION

SINGLE AND COMPOSITE FOCAL MECHANISMS LOWER HEMISPHERE PROJECTION OF THE FOCAL $M_L < 1$ $2 \leq M_L < 3$
 SPHERE WHERE SHADED AND UNSHADED QUADRANTS REPRESENT COMPRESSIONAL AND $1 \leq M_L < 2$ $3 \leq M_L$
 DILATIONAL FIRST MOTIONS RESPECTIVELY.

Figure 3. Regional Map showing locations of the regional seismic network.



FAULT SYMBOLS: OBSERVED: INFERED IN BEDROCK: INFERED COVER OF SURFICIAL DEPOSITS
 TRENCH LOCATIONS: 16 A

0 1 2 MILES
 0 1 2 KILOMETERS

Figure 4. Trenches located along faults at Yucca Mountain interpreted from geologic mapping

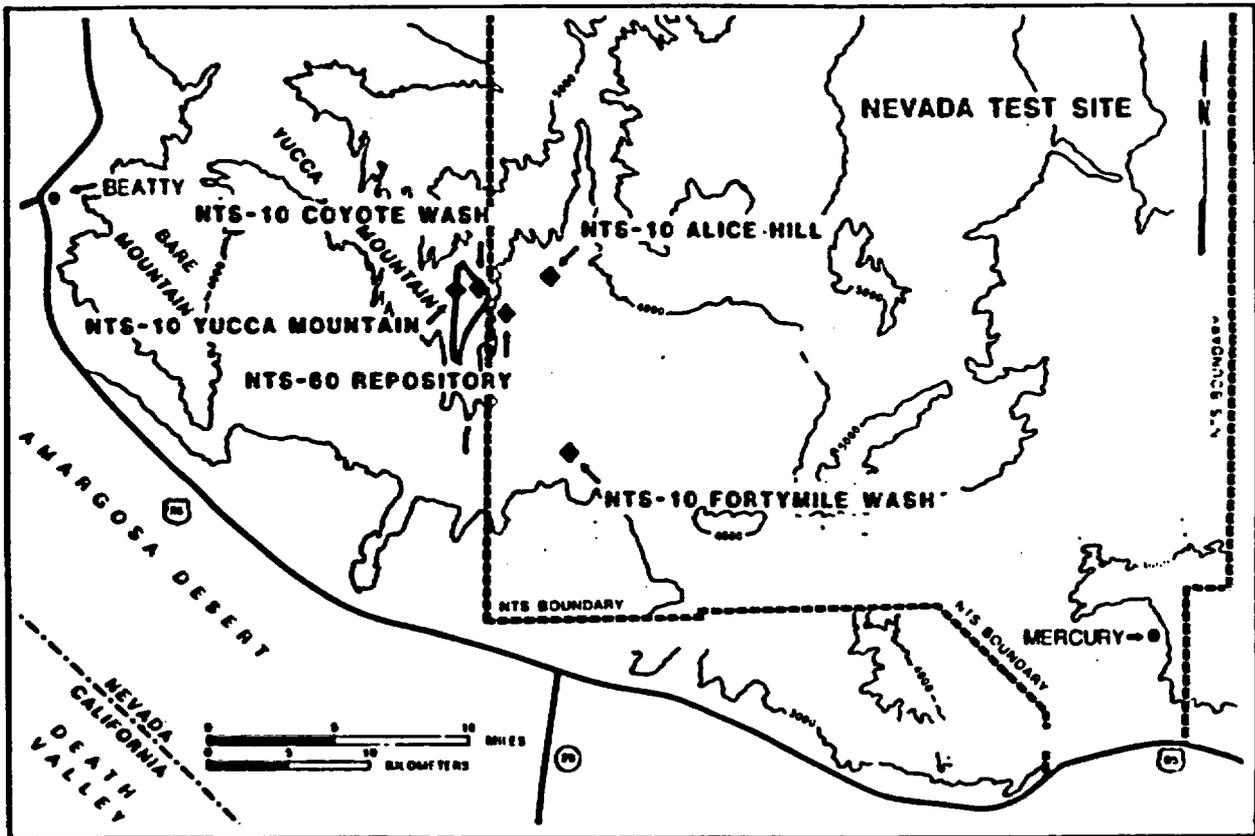


Figure 5. Meteorological monitoring sites