BULK DENSITY

GRAMS PER CUBIC CENTIMETER

WASHINGTON and NORTHERN IDAHO

Mount St. Helens – May 18, 1980 Eruption

LEGEND

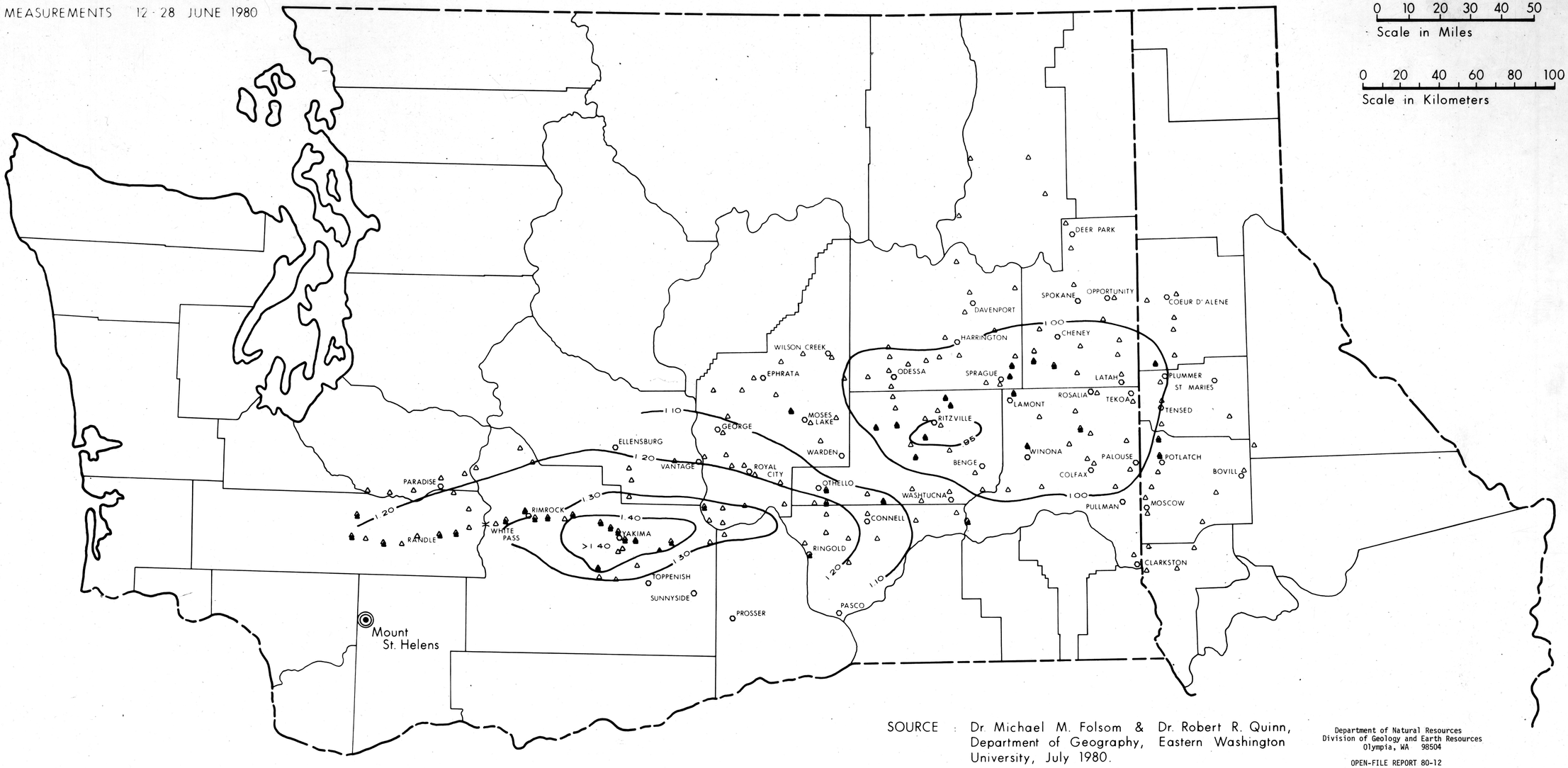
▲ Bag Sample Taken

—.95— Density - Grams/Cubic Centimeter

FIELD MEASUREMENTS 12 - 28 JUNE 1980

0 10 20 30 40 50
Scale in Miles

0 20 40 60 80 100
Scale in Kilometers



SOURCE : Dr. Michael M. Folsom & Dr. Robert R. Quinn, Department of Geography, Eastern Washington University, July 1980.

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Plate 1

DEPTH OF UNCOMPACTED ASH

PACIFIC NORTHWEST

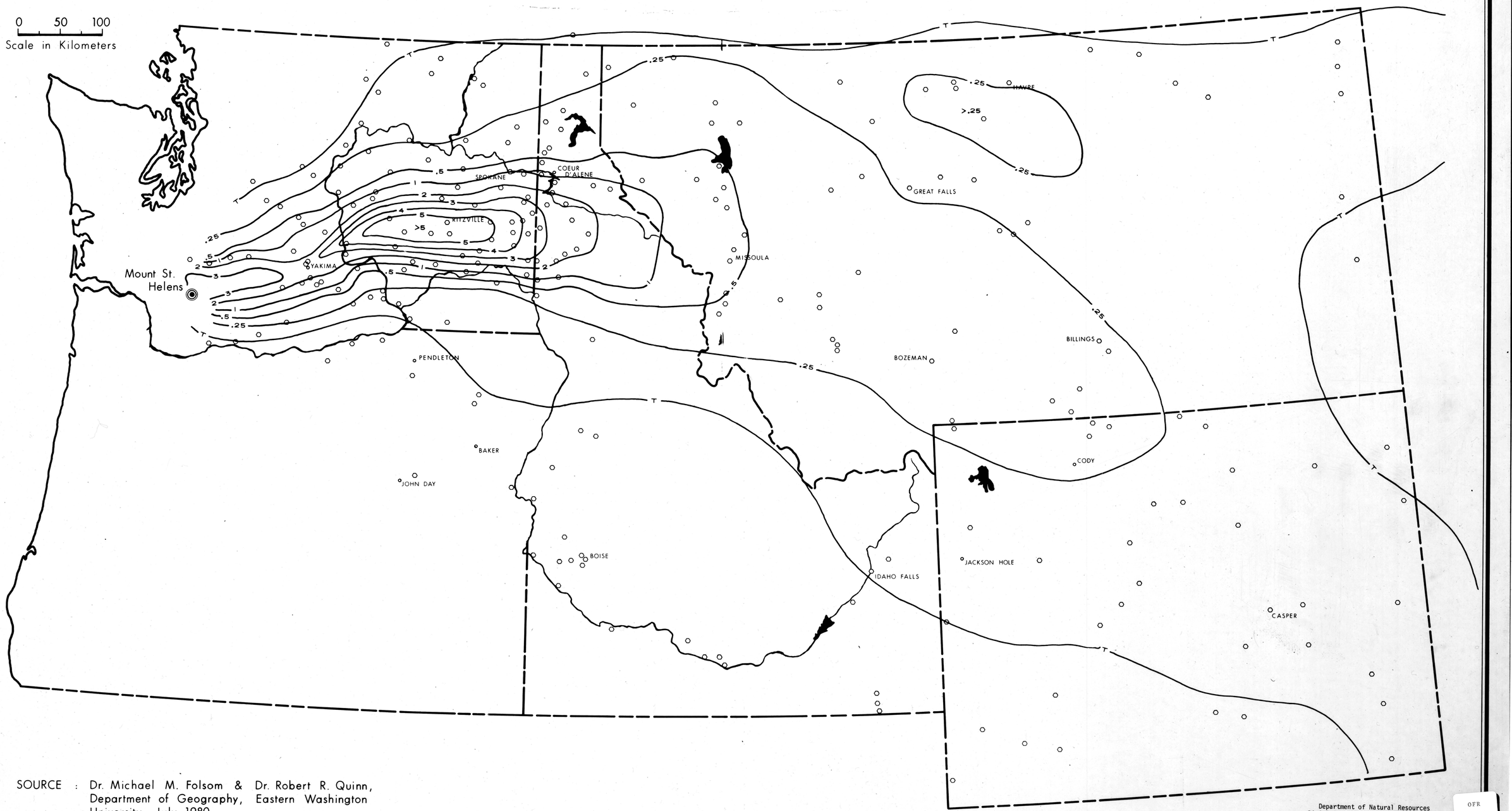
Mount St. Helens – May 18, 1980 Eruption

LEGEND

- Observation Station
- 4 Isopach of Ashfall (in Centimeters)

0 50 100
Scale in Miles

0 50 100
Scale in Kilometers



SOURCE : Dr. Michael M. Folsom & Dr. Robert R. Quinn, Department of Geography, Eastern Washington University, July 1980.

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TIME OF FIRST ASHFALL

PACIFIC NORTHWEST

Mount St. Helens – May 18, 1980 Eruption

LEGEND

- Observation Station
- —2 PM— Isochron (Pacific Daylight Time or Rocky Mountain Daylight Time)

0 50 100
Scale in Miles

0 50 100
Scale in Kilometers

Mount St. Helens

4 PM
3 PM
2 PM
1 PM
12 AM
11 AM
10 AM
9 AM
5 PM (PDT)
6 PM (RDT)
7 PM
8 PM
9 PM
10 PM
11 PM
12 PM (18TH)
3 AM (19TH)
6 AM (19TH)
9 AM (19TH)
5 PM (PDT)
6 PM (RDT)
7 PM
8 PM
9 PM
10 PM
11 PM
12 PM (18TH)
3 AM (19TH)
6 AM (19TH)
9 AM (19TH)

YAKIMA
PENDLETON
BAKER
JOHN DAY
RITZVILLE
SPOKANE
COEUR D'ALENE
MISSOULA
BOZEMAN
BILLINGS
GREAT FALLS
HAVRE
BOISE
IDAHO FALLS
JACKSON HOLE
CODY
CASPER

SOURCE : Dr. Michael M. Folsom & Dr. Robert R. Quinn, Department of Geography, Eastern Washington University, July 1980.

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KILOGRAMS OF ASH PER SQUARE METER

WASHINGTON and NORTHERN IDAHO

Mount St. Helens – May 18, 1980 Eruption

LEGEND

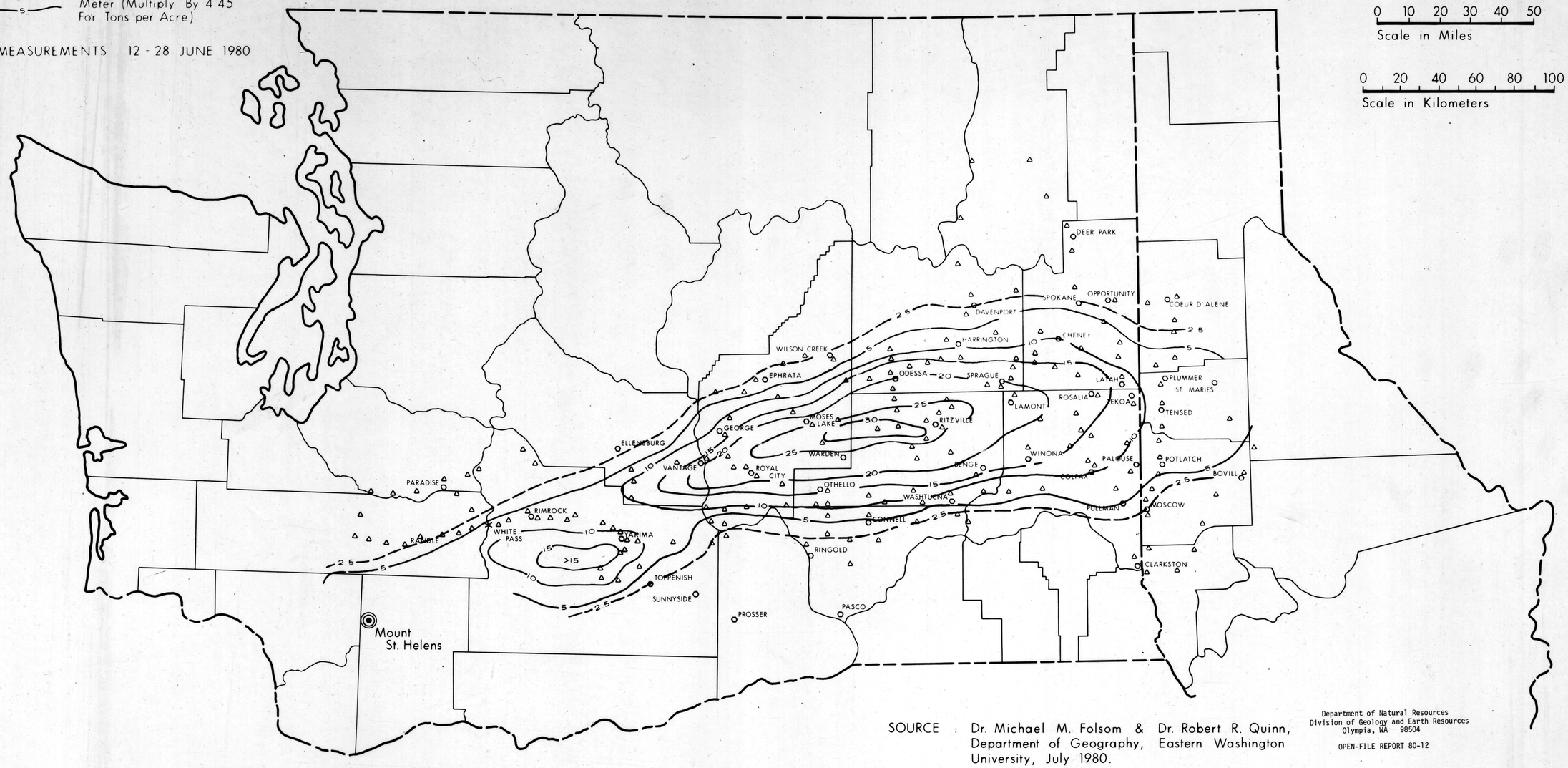
△ Observation Station

—2.5— —5— Kilograms per Square Meter (Multiply By 4.45 For Tons per Acre)

FIELD MEASUREMENTS 12 - 28 JUNE 1980

0 10 20 30 40 50
Scale in Miles

0 20 40 60 80 100
Scale in Kilometers



SOURCE : Dr. Michael M. Folsom & Dr. Robert R. Quinn, Department of Geography, Eastern Washington University, July 1980.

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Plate 4

DEPTH OF RAIN - COMPACTED ASH

WASHINGTON and NORTHERN IDAHO

Mount St. Helens – May 18, 1980 Eruption

LEGEND

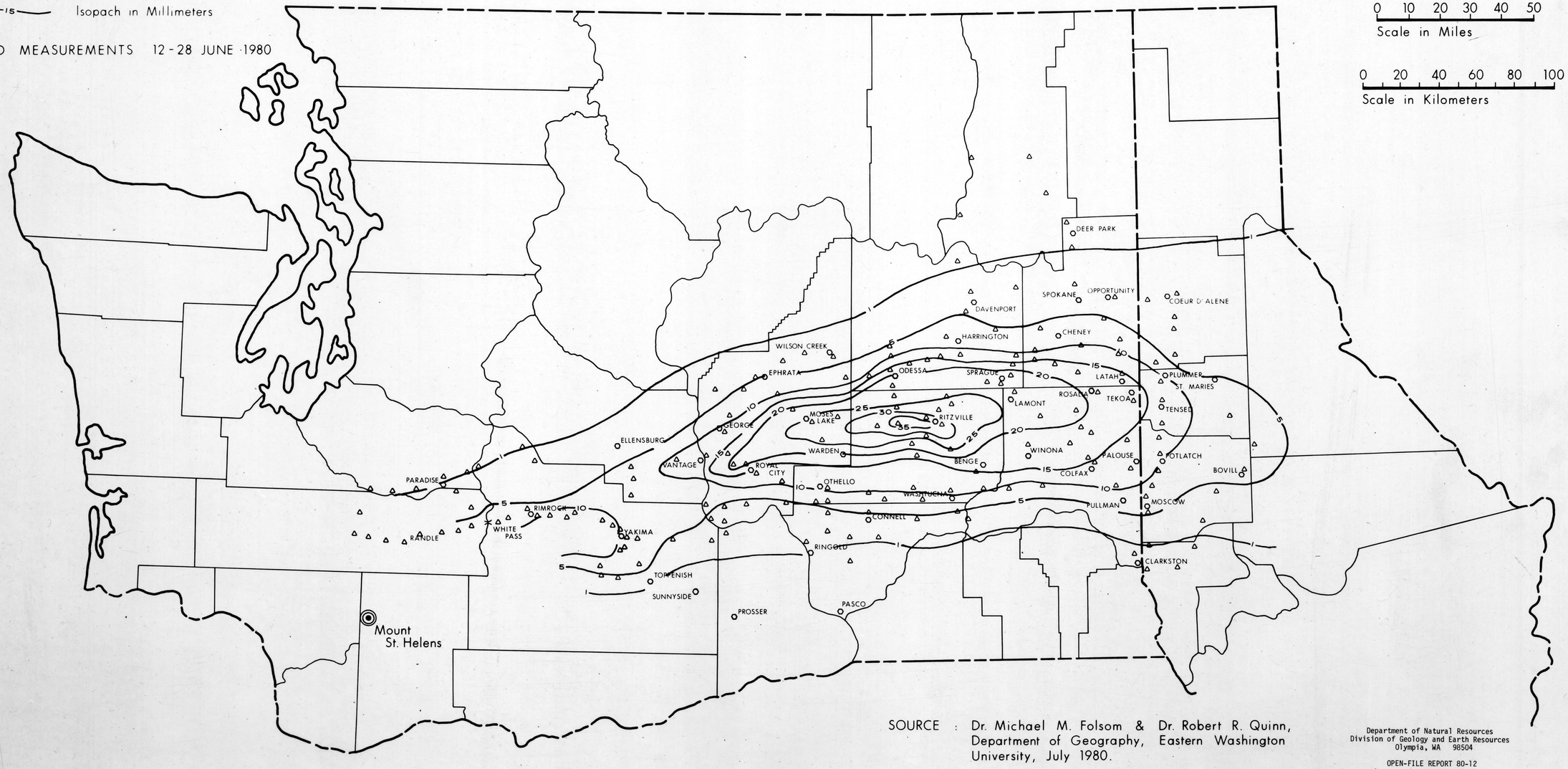
△ Observation Station

15 Isopach in Millimeters

FIELD MEASUREMENTS 12 - 28 JUNE 1980

0 10 20 30 40 50
Scale in Miles

0 20 40 60 80 100
Scale in Kilometers



SOURCE : Dr. Michael M. Folsom & Dr. Robert R. Quinn, Department of Geography, Eastern Washington University, July 1980.

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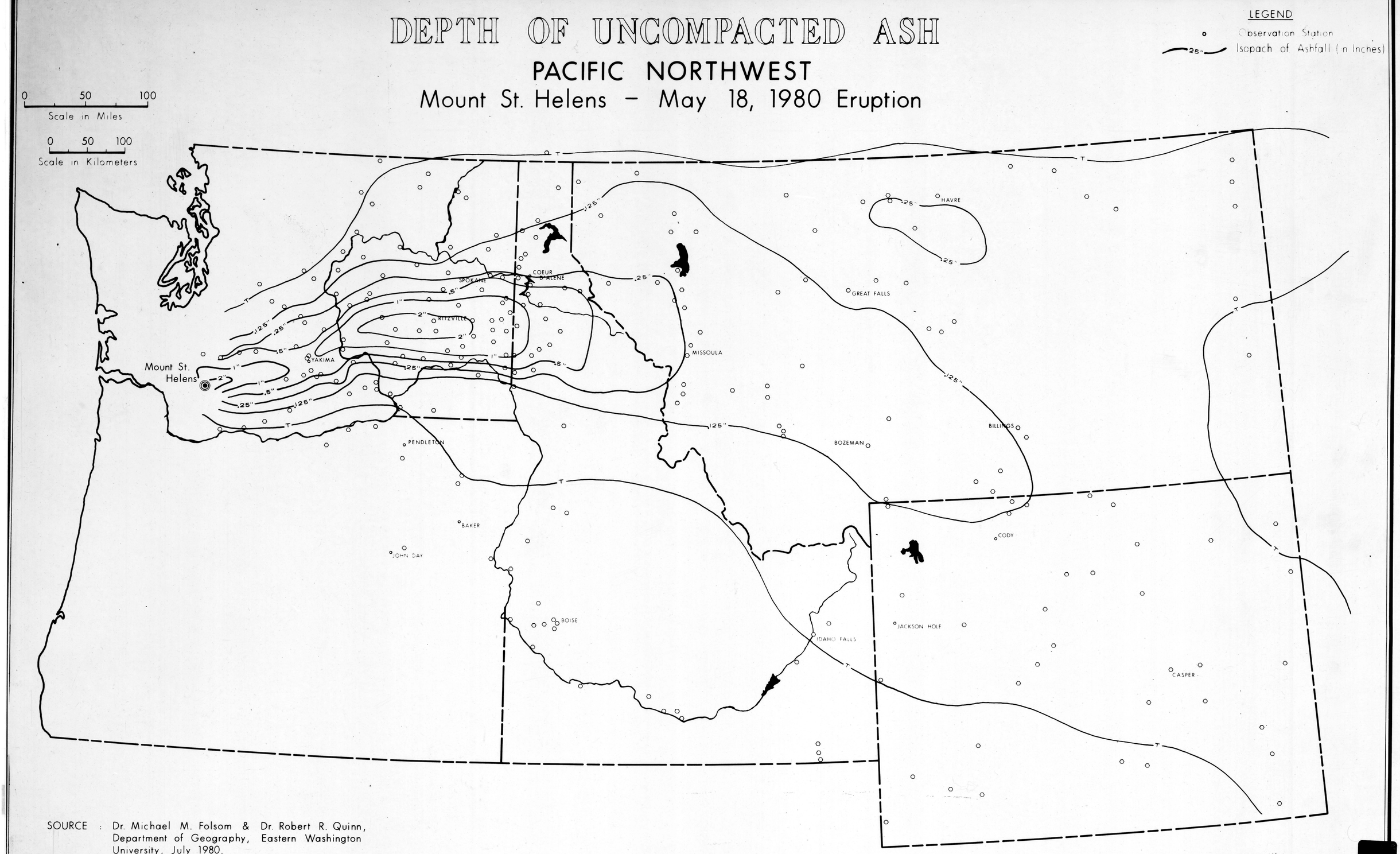
Plate 5

DEPTH OF UNCOMPACTED ASH

PACIFIC NORTHWEST

Mount St. Helens – May 18, 1980 Eruption



SOURCE : Dr. Michael M. Folsom & Dr. Robert R. Quinn, Department of Geography, Eastern Washington University, July 1980.

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