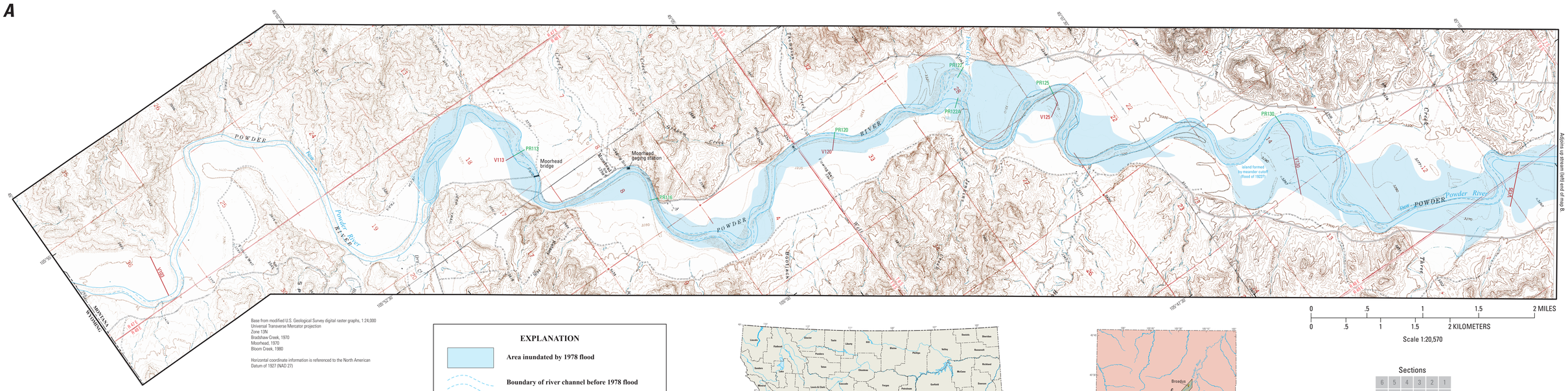
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

SCIENTIFIC INVESTIGATIONS REPORT 2013–5035
Plate 1
Meade, R.H., Moody, J.A., and Martinson, H.A., Inundated Areas and Channel Changes Wrought by the Flood of May 1978 in Powder River between Moorhead and Broadus, Southeastern Montana

## A



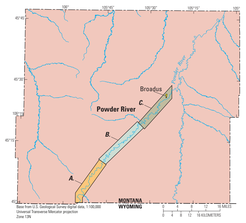

Base from modified U.S. Geological Survey digital raster graphs, 1:24,000
Universal Transverse Mercator projection
Zone 13N
Bradshaw Creek, 1970
Moorhead, 1970
Bloom Creek, 1980

Horizontal coordinate information is referenced to the North American Datum of 1927 (NAD 27)

**EXPLANATION**

- Area inundated by 1978 flood
- Boundary of river channel before 1978 flood
- Boundary of river channel after 1978 flood
- PR141 — Cross section of river channel that was surveyed before and after 1978 flood
- V140 — Cross section of valley where thickness of new overbank deposit was measured after 1978 flood



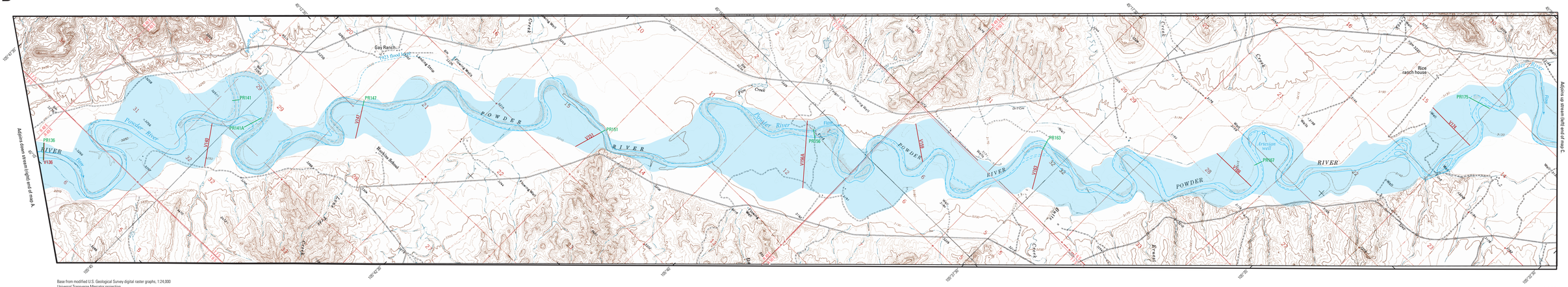




0 .5 1 1.5 2 MILES
0 .5 1 1.5 2 KILOMETERS
Scale 1:20,570

Sections

| | | | | | | |
|---|---|---|---|---|---|---|
| 6 | 5 | 4 | 3 | 2 | 1 | |
| 7 | 8 | 9 | 10 | 11 | 12 | |
| 18 | 17 | 16 | 15 | 14 | 13 | |
| 19 | 20 | 21 | 22 | 23 | 24 | |
| 30 | 29 | 28 | 27 | 26 | 25 | |
| 31 | 32 | 33 | 34 | 35 | 36 | |

## B

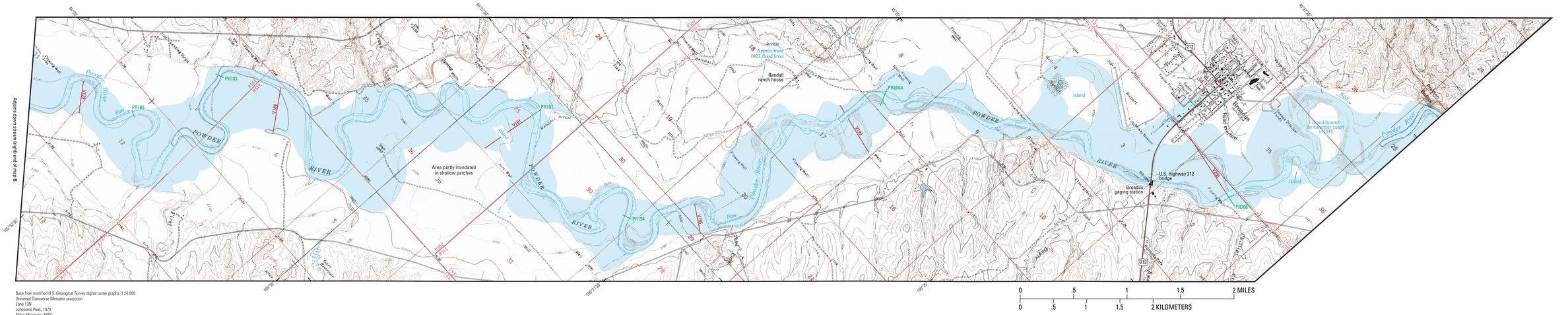



Base from modified U.S. Geological Survey digital raster graphs, 1:24,000
Universal Transverse Mercator projection
Zone 13N
Bloom Creek, 1980
Huckins School, 1970
Baldy Peak, 1970
Yarger Butte, 1973
Lonesome Peak, 1973

Horizontal coordinate information is referenced to the North American Datum of 1927 (NAD 27)

0 .5 1 1.5 2 MILES
0 .5 1 1.5 2 KILOMETERS
Scale 1:22,706

## C




Base from modified U.S. Geological Survey digital raster graphs, 1:24,000
Universal Transverse Mercator projection
Zone 13N
Lonesome Peak, 1973
Eldon Mountain, 1973
Epsie NE, 1973
Broadus, 1973

Horizontal coordinate information is referenced to the North American Datum of 1927 (NAD 27)

0 .5 1 1.5 2 MILES
0 .5 1 1.5 2 KILOMETERS
Scale 1:21,896

# Inundated Areas and Channel Changes Wrought by the Flood of May 1978 in Powder River between Moorhead and Broadus, Southeastern Montana

By
Robert H. Meade, John A. Moody, and Holly A. Martinson
2013

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