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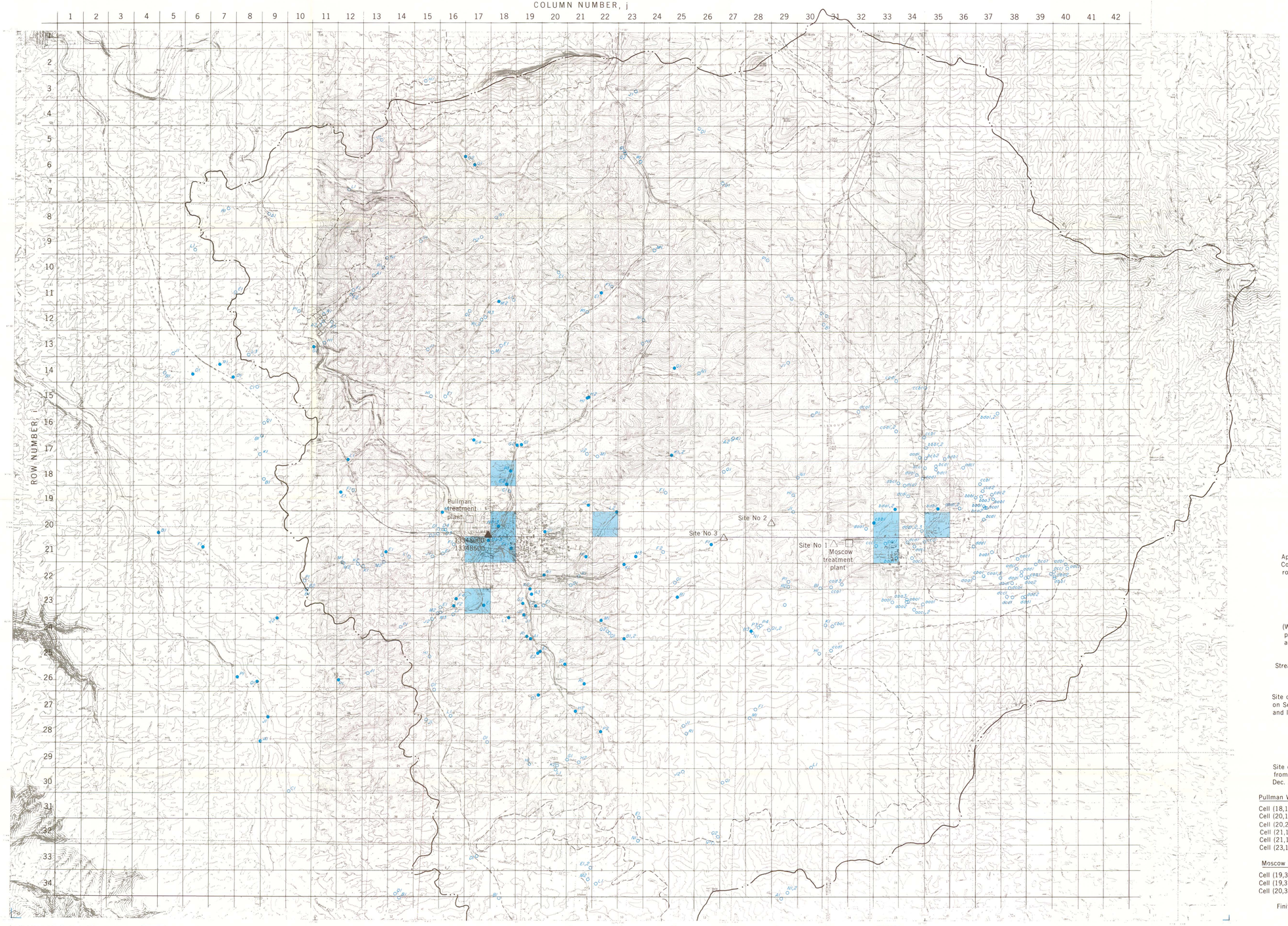

EXPLANATION

Drainage basin boundary (Approximate)

Approximate land-surface contact between Columbia River Basalt Group and crystalline rocks

Well tapping only upper aquifer zone

Well tapping primary aquifer system (Well-numbering systems explained in text, page 13; records of wells tapping primary aquifer system presented in table 4.)

Streamflow gaging station for which long-term continous records are available

Site of miscellaneous streamflow measurements on Sept. 11, 1974 to determine stream gains and losses

Site of treated-sewage discharge into surface-water system

Site of university-or public-supply well pumping from primary aquifer system during Jan. 1971-Dec. 1975, at average annual rate listed below:

Pullman Well Field

Cell (18,18), City of Pullman well 6:	550 acre-feet
Cell (20,18), City of Pullman wells 2 and 4:	575 acre-feet
Cell (20,22), WSU well 5:	175 acre-feet
Cell (21,17), City of Pullman wells 1 and 3:	600 acre-feet
Cell (21,18), WSU wells 1, 2, 3, and 4:	1850 acre-feet
Cell (23,17), City of Pullman well 5:	425 acre-feet

Moscow Well Field

Cell (19,33), City of Moscow well 8:	1000 acre-feet
Cell (19,35), City of Moscow well 6:	600 acre-feet
Cell (20,33), UI well 3:	825 acre-feet

Finite-difference grid, superimposed on map, is explained in text, on page 54.

Base from U.S. Geological Survey, Albion, 1964, Colfax South, 1964, Ewartsville, 1964, Pullman, 1964, Washington; Moscow West, 1964, Viola, 1964, Washington-Idaho; Moscow East, 1960, Moscow Mtn., 1960, Robinson Lake, 1960, Idaho.

0 1 2 3 4 5 6 MILES

0 1 2 3 4 5 6 KILOMETERS

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

PLATE 1.-- Sites for data collection used in the development of the digital model of the primary aquifer system in the Pullman-Moscow basin, Washington and Idaho, and pumpage at selected sites.

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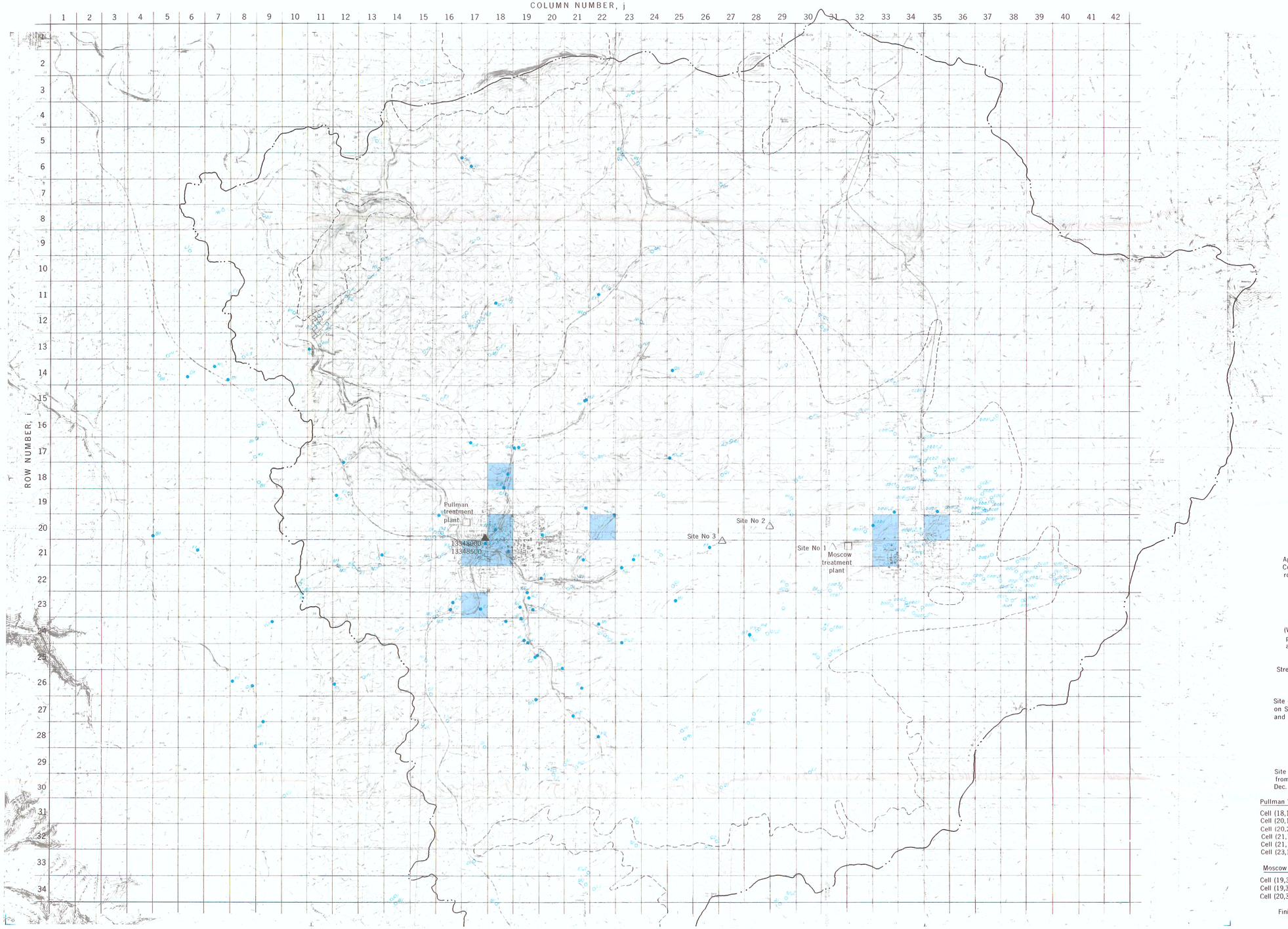

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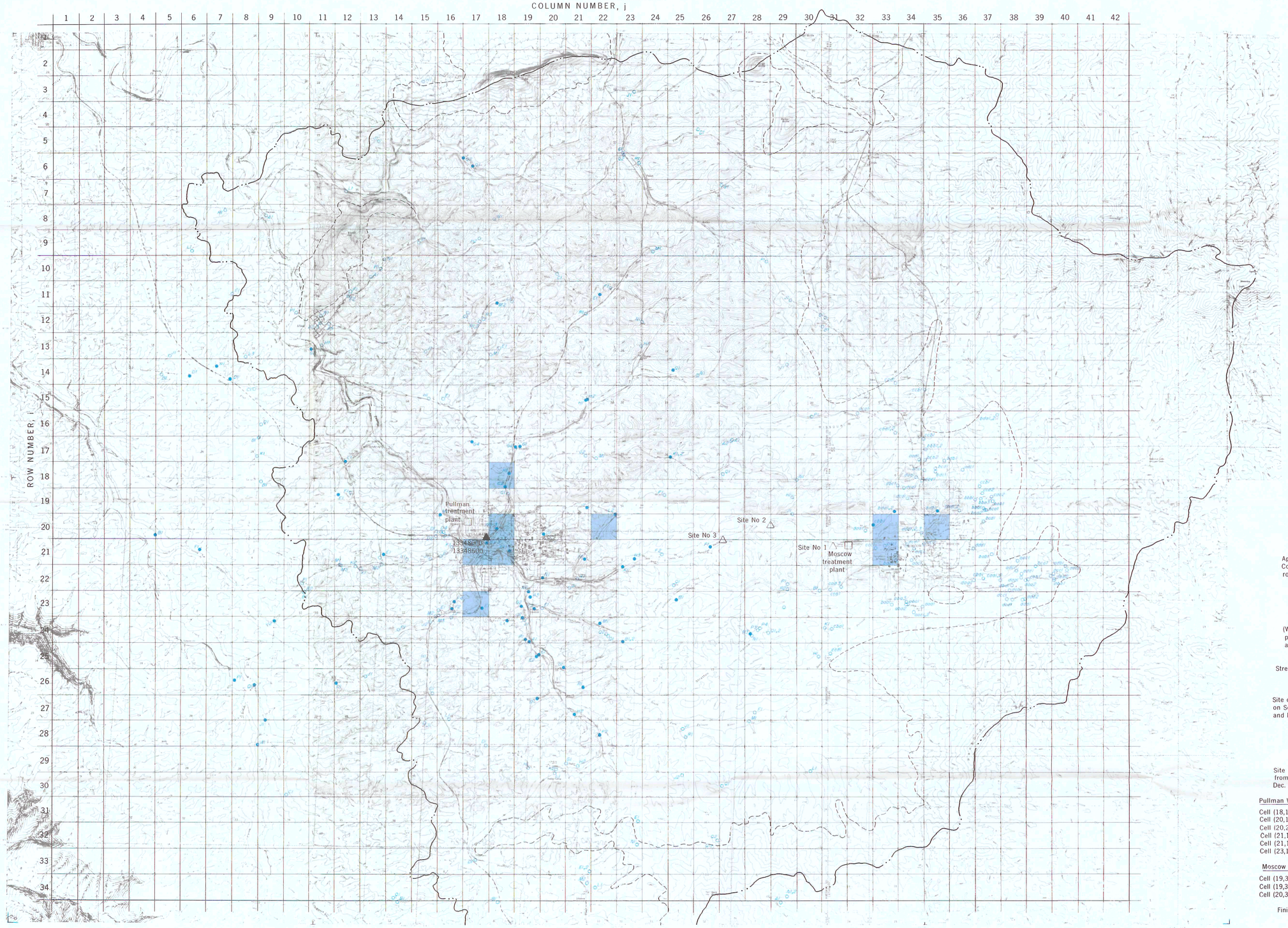

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