

DISAPPOINTMENT LAKE

Areas of the map symbolized as 'Unconsolidated sand and gravel deposits' display underlying rock types to portray the interpreted continuity of units, based on structural, aeromagnetic and topographic signatures. Rock types other than those shown may be present in these areas.

All data stations collected by the authors are plotted using UTM-based coordinates. This map also incorporates pre-GPS field data collected by Stevenson (1997), Curtis and Curry (1981) and Thornton (1993). The accuracy of field data stations that were re-plotted from maps or field notes of these sources is dependent on the original plotting accuracy.

The map is segmented by follow-up examination of exposed rock outcrops, topographic cross-sections and whole rock geochemical analyses. In many areas, geological boundaries are poorly constrained, approximated and extrapolated on the basis of outcrop distribution, topographic trends, structural observations and aeromagnetic data. Individual outcrops typically consist of several different rock types. The unit polygons depicted is based on what was interpreted to be the dominant rock type present. All rock types recorded from an individual outcrop may be determined by consulting the 'Unit description' strip for that locality given in the digital database. Discrepancies in rock names applied to field outcrops versus those interpreted from stained slides or thin sections have not been recorded in the digital database. Differences may be due to more refined identifications or the sample under this section may not be representative of the source material.

Field work in 2012 by T. van Nostrand and C. Corcoran

Recommended citation

van Nostrand, T.
2023. Geology of the Disappointment Lake map area (NTS 13E15), central Labrador. Scale 1:50 000. Geological Survey, Department of Industry, Energy and Technology, Government of Newfoundland and Labrador. Map 2023-14, Open File 13E15/0105.

Geology compiled by T. van Nostrand
Geological cartography by S. McManis, K. Morgan and T. Sears

The digital topographic database map NTS 13E15 used here is available from the Surveyor General Branch, Natural Resources, Canada. Magnetic declination at centre of the map is 20°11' West (March 31, 2022).

Universal Transverse Mercator (UTM) Grid Zone 20, North American Datum (NAD) 27.

Elevations are in metres above sea level. Contour interval is 20 m.

Open File 13E15/0105

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Preliminary versions of parts of this map published in Current Research articles have evolved so there may be differences between the current and preliminary versions of the map, unit descriptions and the legends and the legends of the map.

Map 2023-14 is one of twenty (20) maps on the geology of the Seal Lake Group, including adjacent rocks of older tectonic provinces in central Labrador.

Department website: <https://www.gov.nl.ca/geology>
Geological Survey website: <https://www.gov.nl.ca/mines/geoservices>
Email: pub@gov.nl.ca

References
Curtis, L.W. and Currie, K.L.,
1981. Geology and petrology of the Red Wine Alkaline Complex, central Labrador. Geological Survey of Canada, Bulletin 294, 61 pages.

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2008. Compilation of color-shaded relief images generated from airborne magnetic data from by the Geological Survey of Canada from 1955 through 1972. Government of Newfoundland and Labrador, Department of Natural Resources, Geological Survey, unpublished map, scale 1:200 000.

Stevenson, I.M.
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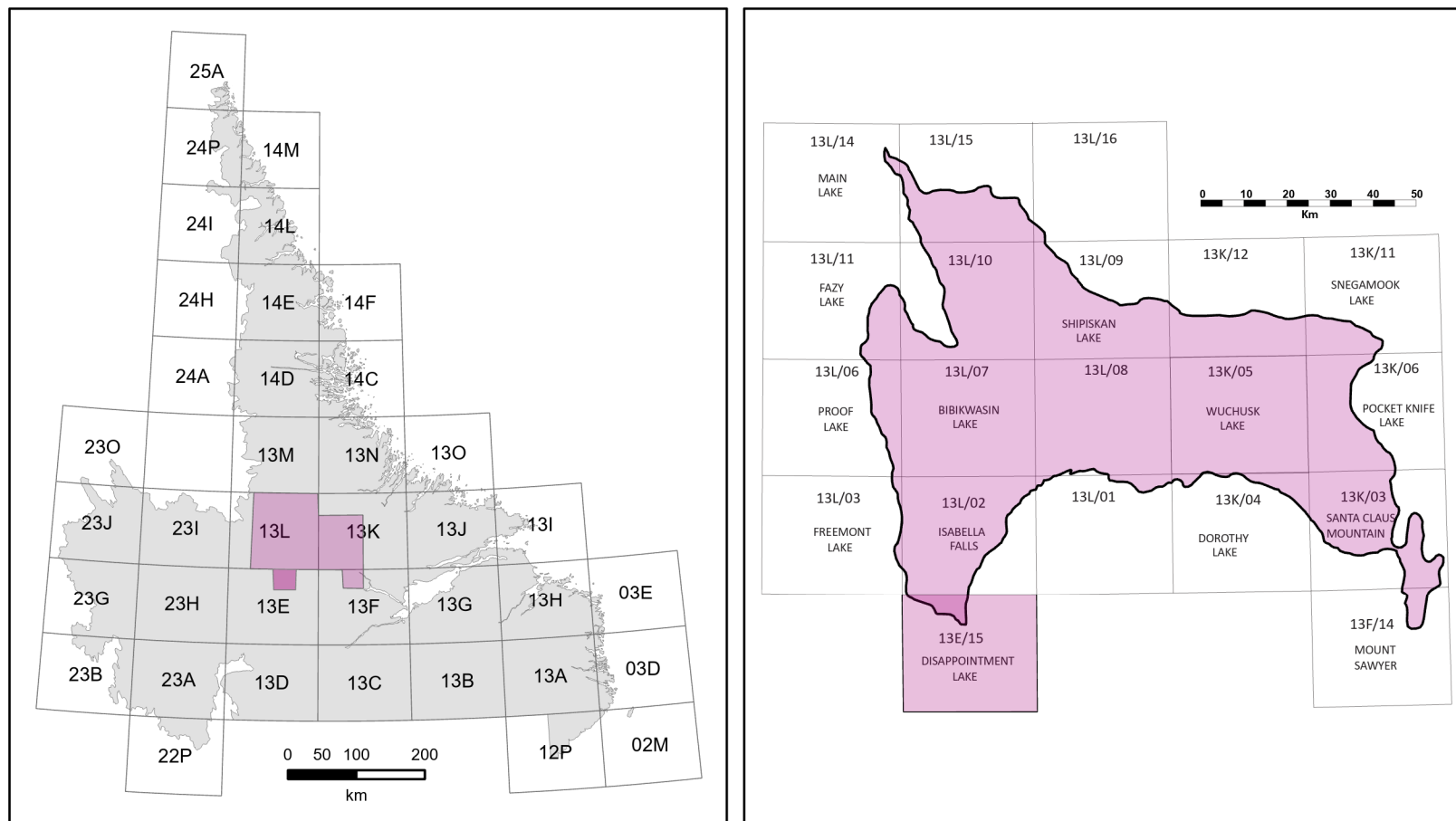
Thornton, A.
1993. Geology, Letitia Lake-Winkopau Lake area, Government of Newfoundland and Labrador, Department of Mines and Energy, Mineral Development Division, Map 92-31.

van Nostrand, T. and Corcoran, C.
2013. Geology of the western Mesoproterozoic Seal Lake Group, central Labrador (including all of NTS map areas 13D.2 and 7 and parts of 13D.1, 3, 6, 8, 9, 10, 11, 14, 15 and 16 and 13E14 and 15). In Current Research, Government of Newfoundland and Labrador, Department of Natural Resources, Geological Survey, Report 13-1, pages 301-336.

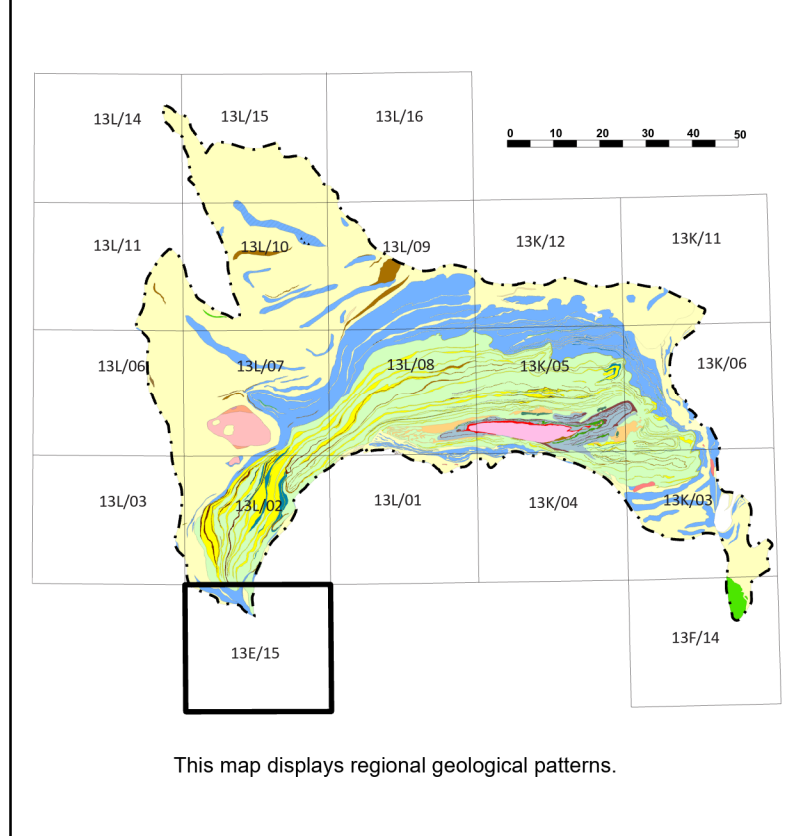
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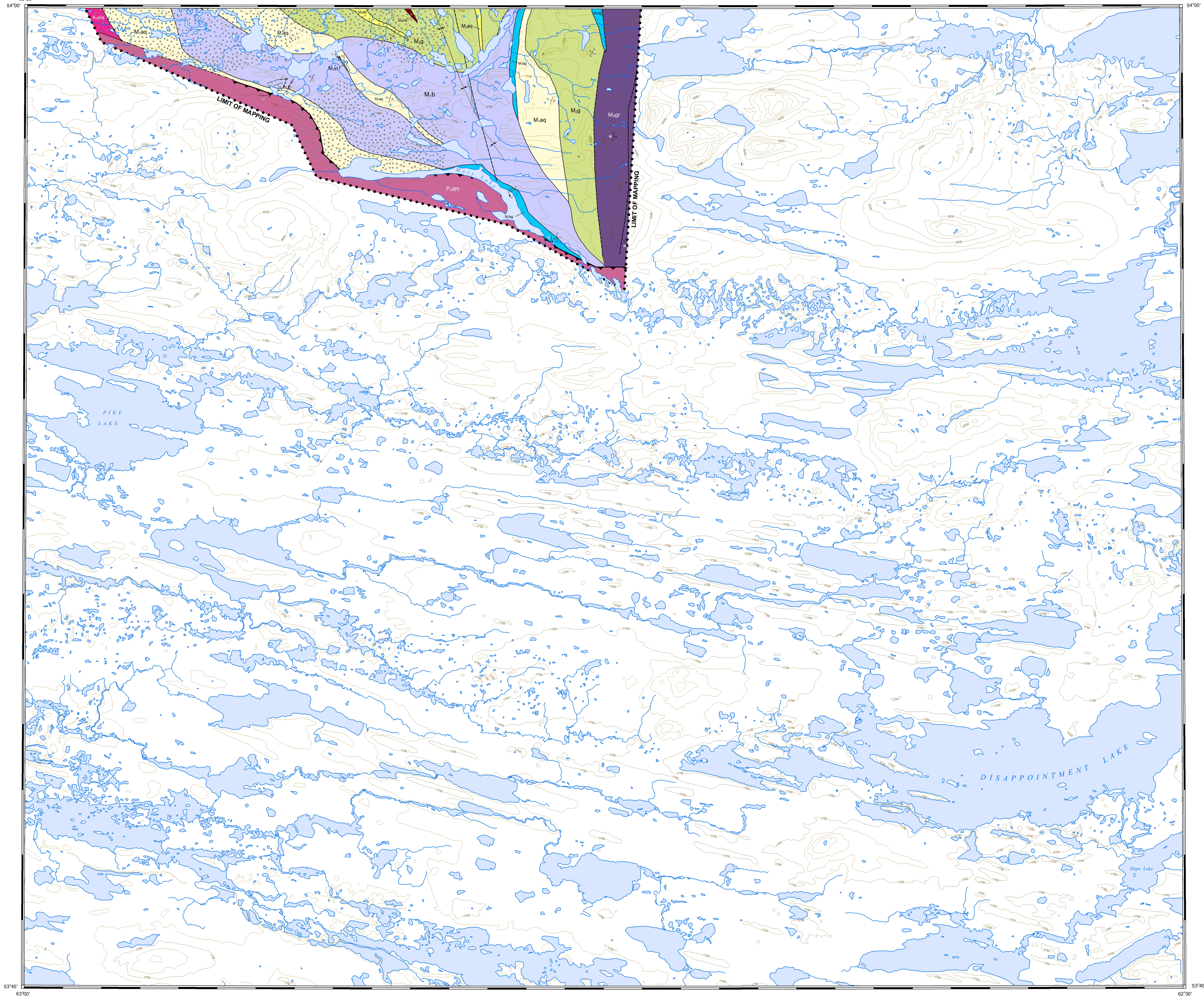
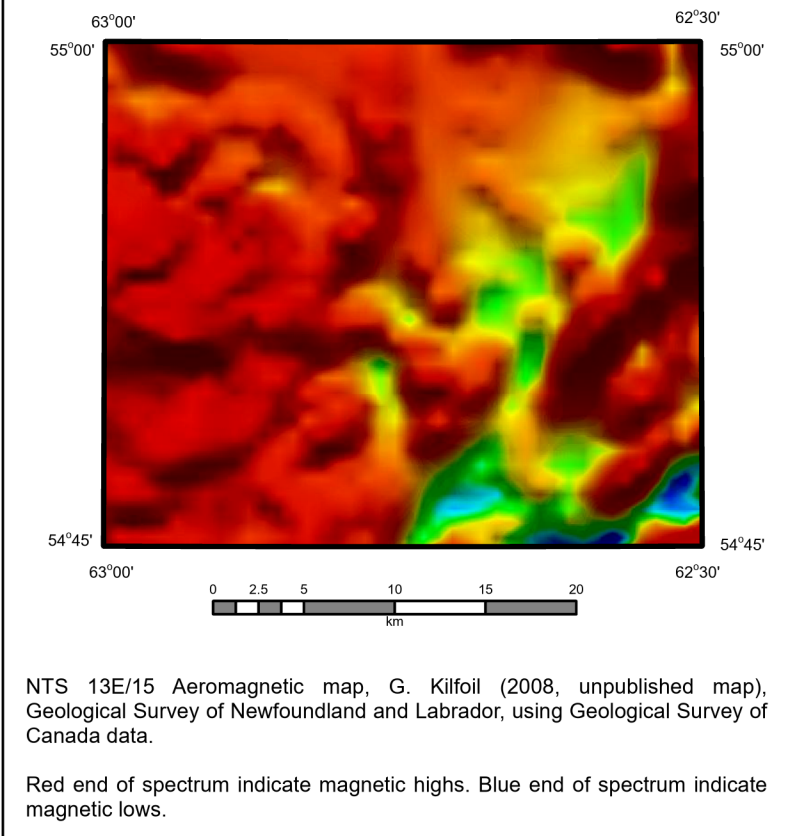
INDEX MAPS



REGIONAL GEOLOGY MAP



NTS 13E15 AEROMAGNETIC MAP



MIDDLE MESOPROTEROZOIC

Seal Lake Group (1270-1225 Ma)

Upper Red Quartzite Formation

Maq

Maq

Maq

Maq

Maq

Maq

Maq

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LEGEND

EARLY MESOPROTEROZOIC

Harp Lake Intrusive Suite (ca. 1490 Ma)

Ma

Ma

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