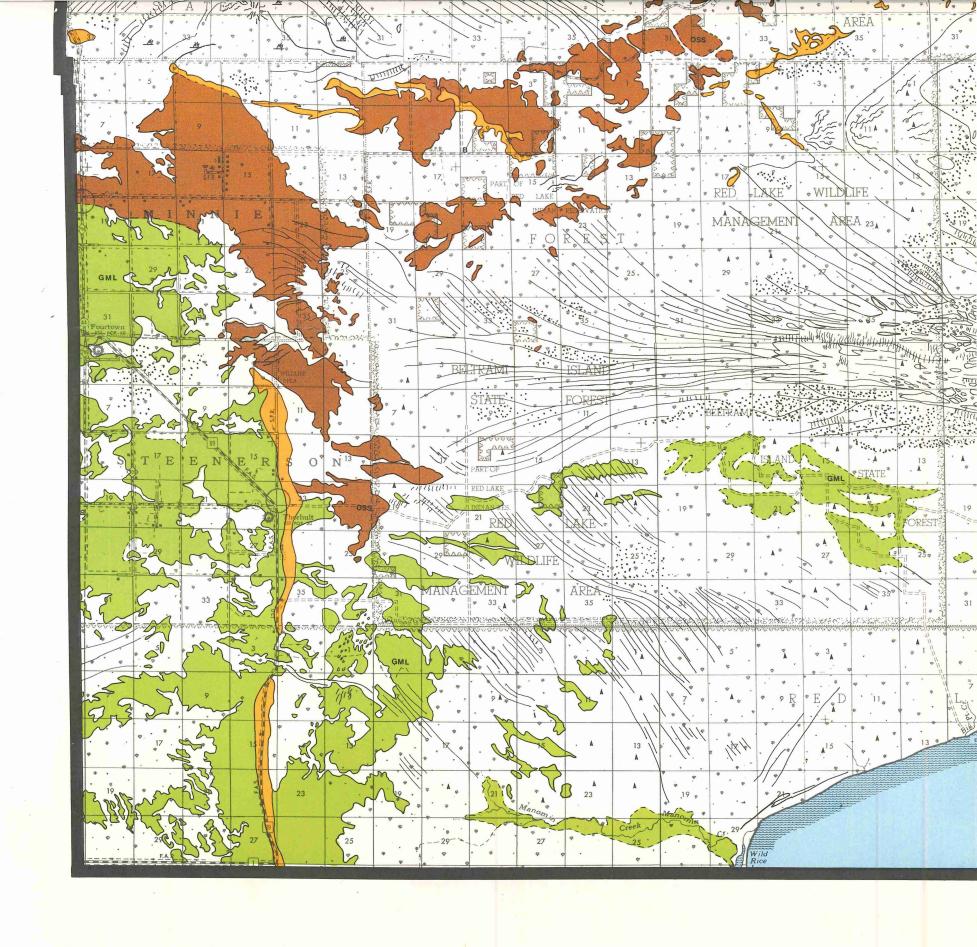
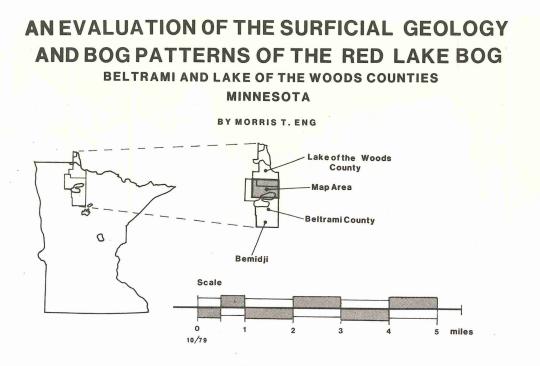


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B Beach sand and an deposited by that later was GML A level groun to brownish go The surface of in places by

AL Indicates mix

LEGEND: Surficial

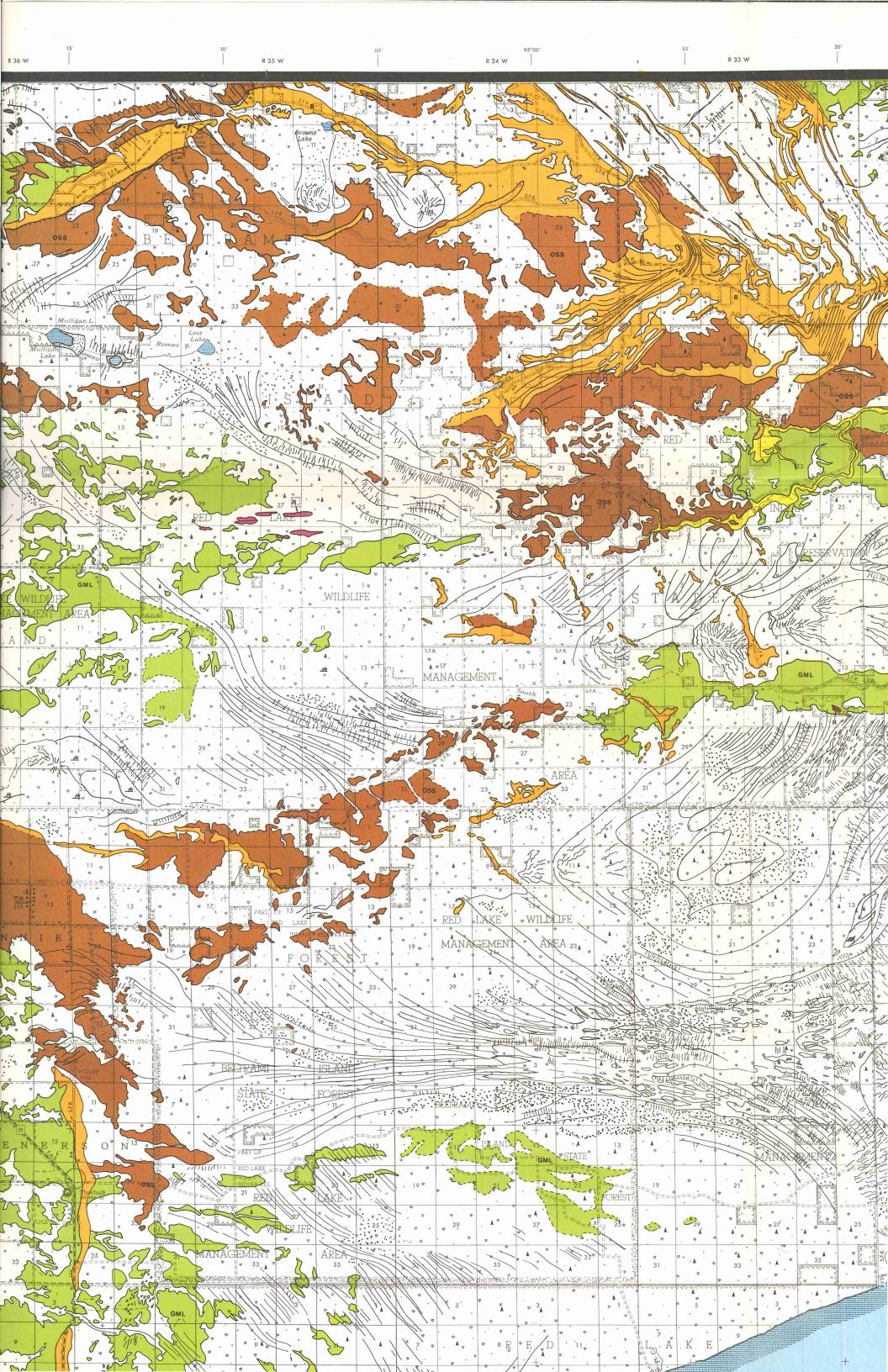
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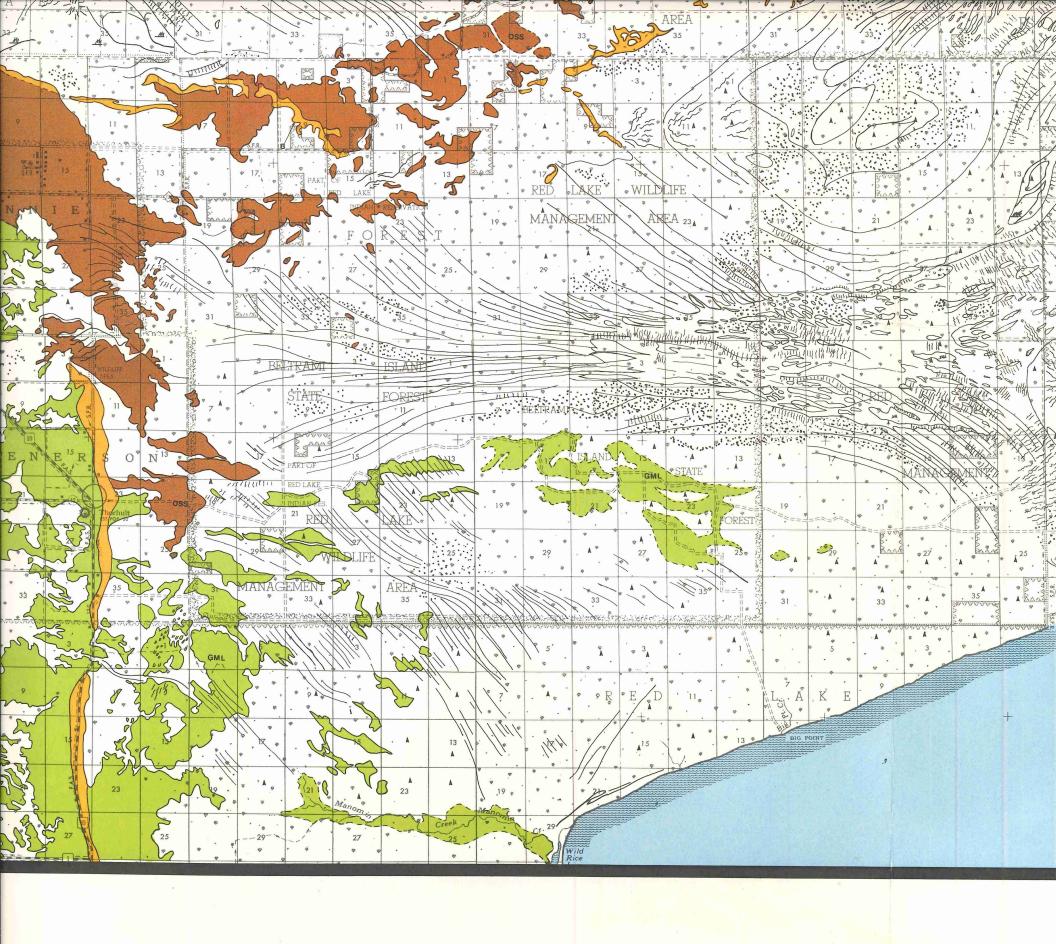
Produced by
Minnesota Department of Natural Resources
Division of Minerals
Box 45
Centennial Office Building
St.Paul, Minnesota 55155

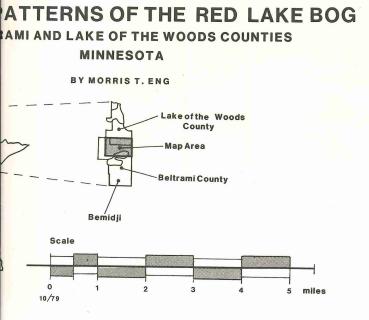


Production Assistance & Cartography

Paul Hedlund





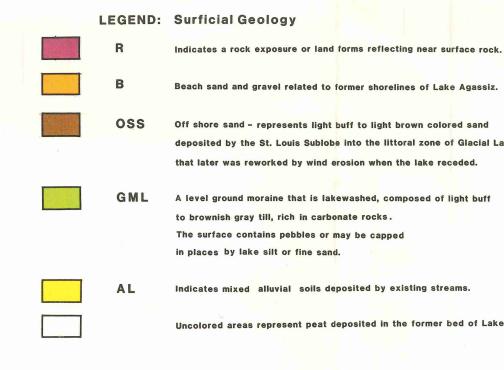


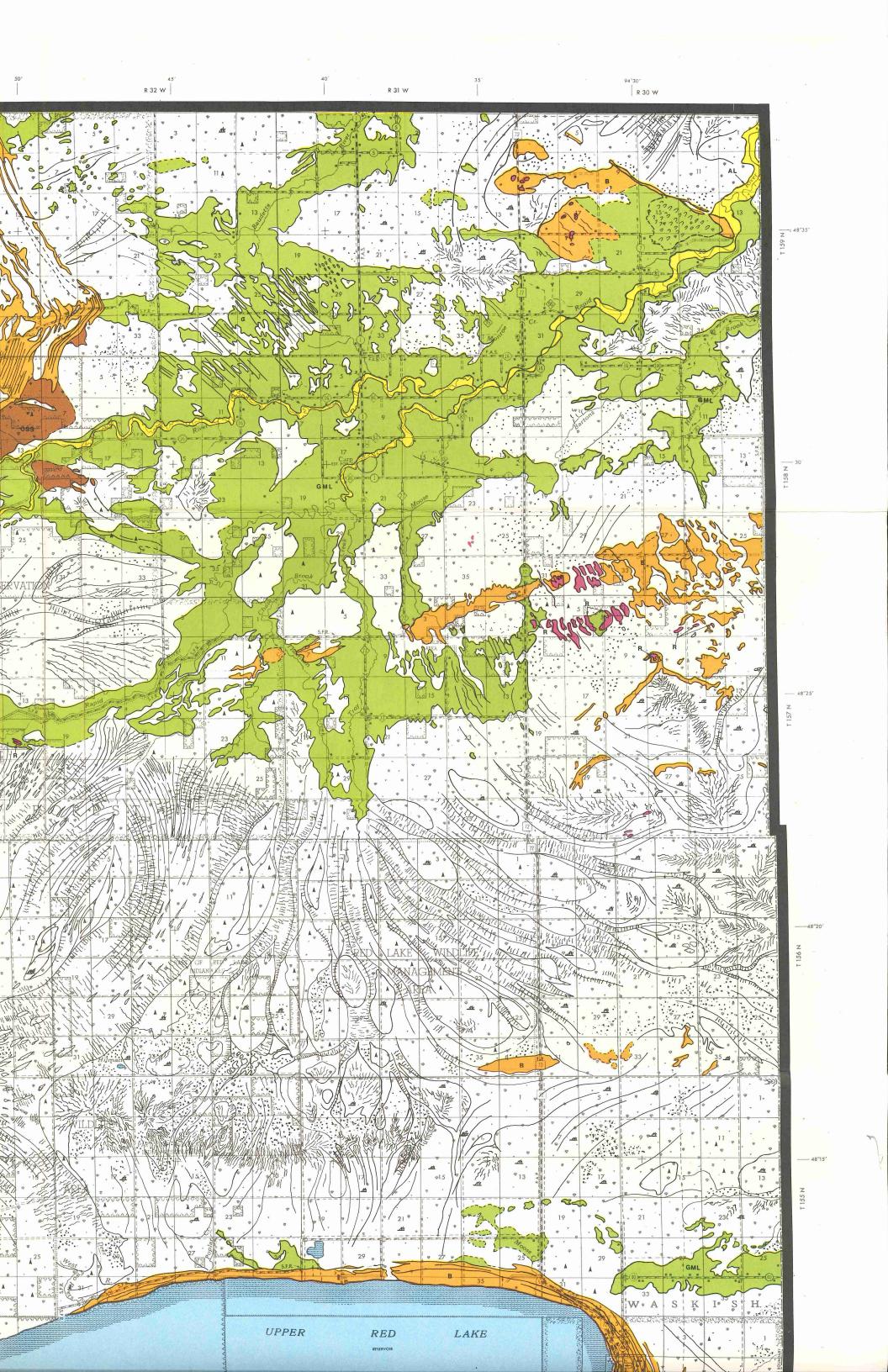
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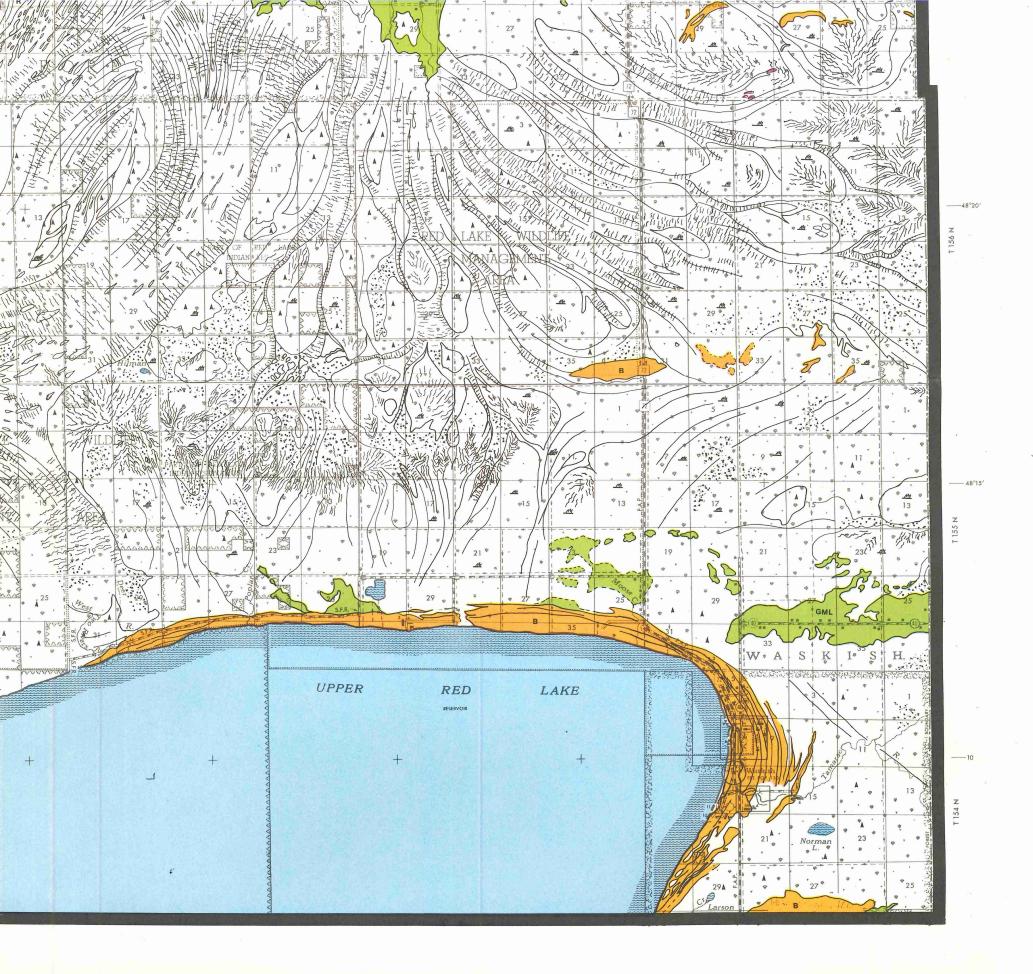
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## 9

Bog Patterns

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colored sa<mark>nd</mark> one of Glacial Lake Agassiz se receded.

d of light buff

streams.

mer bed of Lake Agassiz.

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Raised bog patterns are formed by wavy lines of black spruce radiating outward from a central point.

It is representative of sphagnum peat deposits and local watershed divides in the bog.

Ribbed fen patterns are formed by the selective growth of trees and grasses on the peat bog

into sweeping lines crossed at right angles by delicate transverse lines. The major lines reflect the drainage from the bog to streams.

This pattern usually contains reed-sedge peat.

2

Ovoid tear patterns occur in a wide range of sizes and stages of development of black spruce cover.

The surface run off drains around the margin in the direction pointed by the tail.

Mottled patterns represent a wet bog environment dominated by lower story vegetation intermixed with tamarack.

Arterial drain patterns consist of narrow wet channels with concentrated transverse ribbing.

This pattern is tributary to broader ribbed fen patterns and represents the uppermost extension

W Denotes fire scars that have scarred and modified the original bog patterns.

Denotes a heavily forested bog area that usually contains uniform deposits of reed sedge or woody-fibrous peat.

--- Trace of a wave cut shoreline or an indistinct geologic boundary.

of small watersheds into the bogs interior.