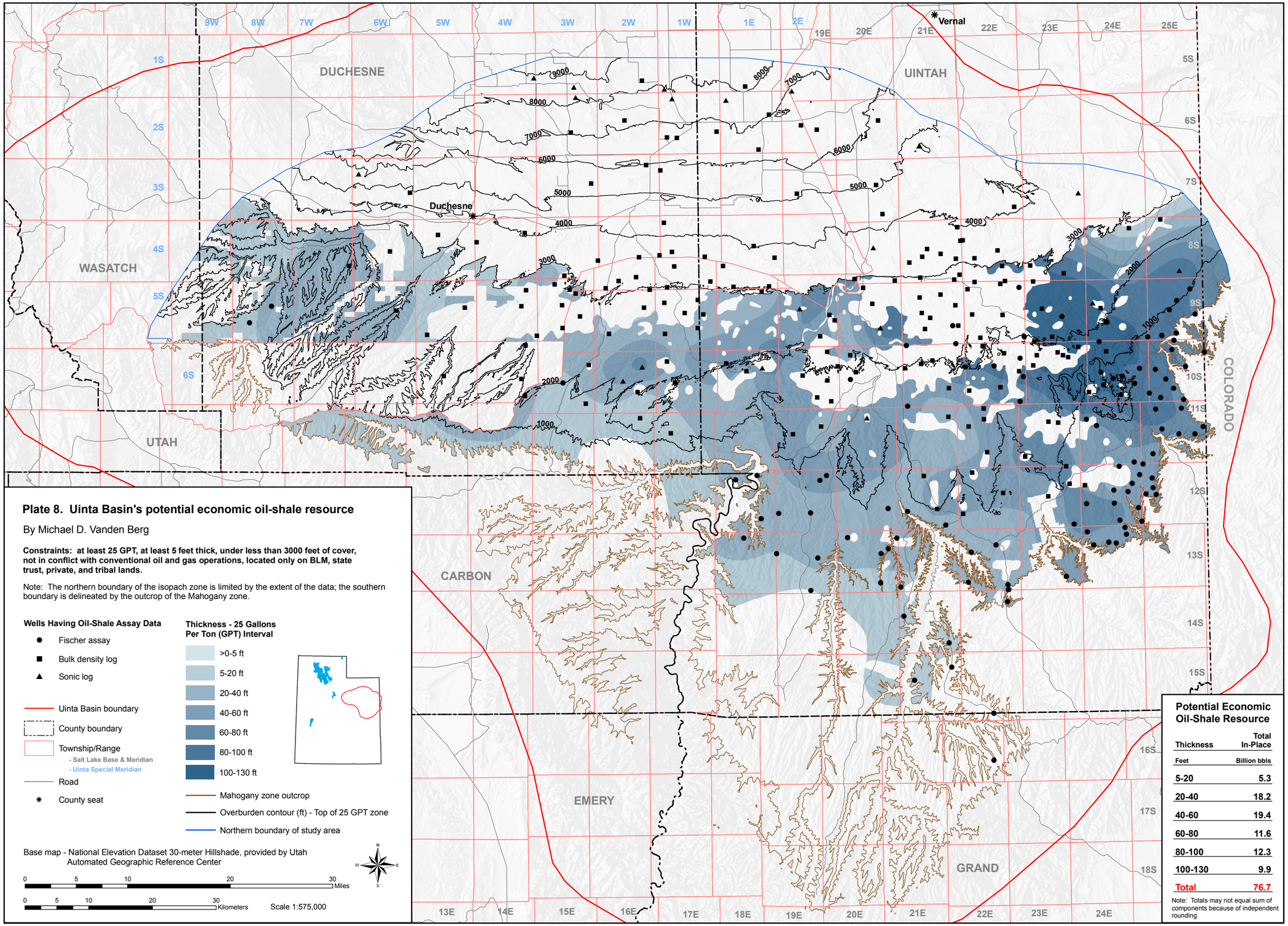

Plate 8. Uinta Basin's potential economic oil-shale resource

By Michael D. Vanden Berg

Constraints: at least 25 GPT, at least 5 feet thick, under less than 3000 feet of cover, not in conflict with conventional oil and gas operations, located only on BLM, state trust, private, and tribal lands.

Note: The northern boundary of the isopach zone is limited by the extent of the data; the southern boundary is delineated by the outcrop of the Mahogany zone.

Wells Having Oil-Shale Assay Data

- ● Fischer assay
- ■ Bulk density log
- ▲ Sonic log

- Uinta Basin boundary
- County boundary
- Township/Range
  - Salt Lake Base & Meridian
  - Uinta Special Meridian
- Road
- ✱ County seat

Thickness - 25 Gallons Per Ton (GPT) Interval

- >0-5 ft
- 5-20 ft
- 20-40 ft
- 40-60 ft
- 60-80 ft
- 80-100 ft
- 100-130 ft

- Mahogany zone outcrop
- Overburden contour (ft) - Top of 25 GPT zone
- Northern boundary of study area

Base map - National Elevation Dataset 30-meter Hillshade, provided by Utah Automated Geographic Reference Center

0 5 10 20 30 Miles

0 5 10 20 30 Kilometers

Scale 1:575,000

Potential Economic Oil-Shale Resource

Thickness Feet	Total In-Place Billion bbls
5-20	5.3
20-40	18.2
40-60	19.4
60-80	11.6
80-100	12.3
100-130	9.9
Total	76.7

Note: Totals may not equal sum of components because of independent rounding