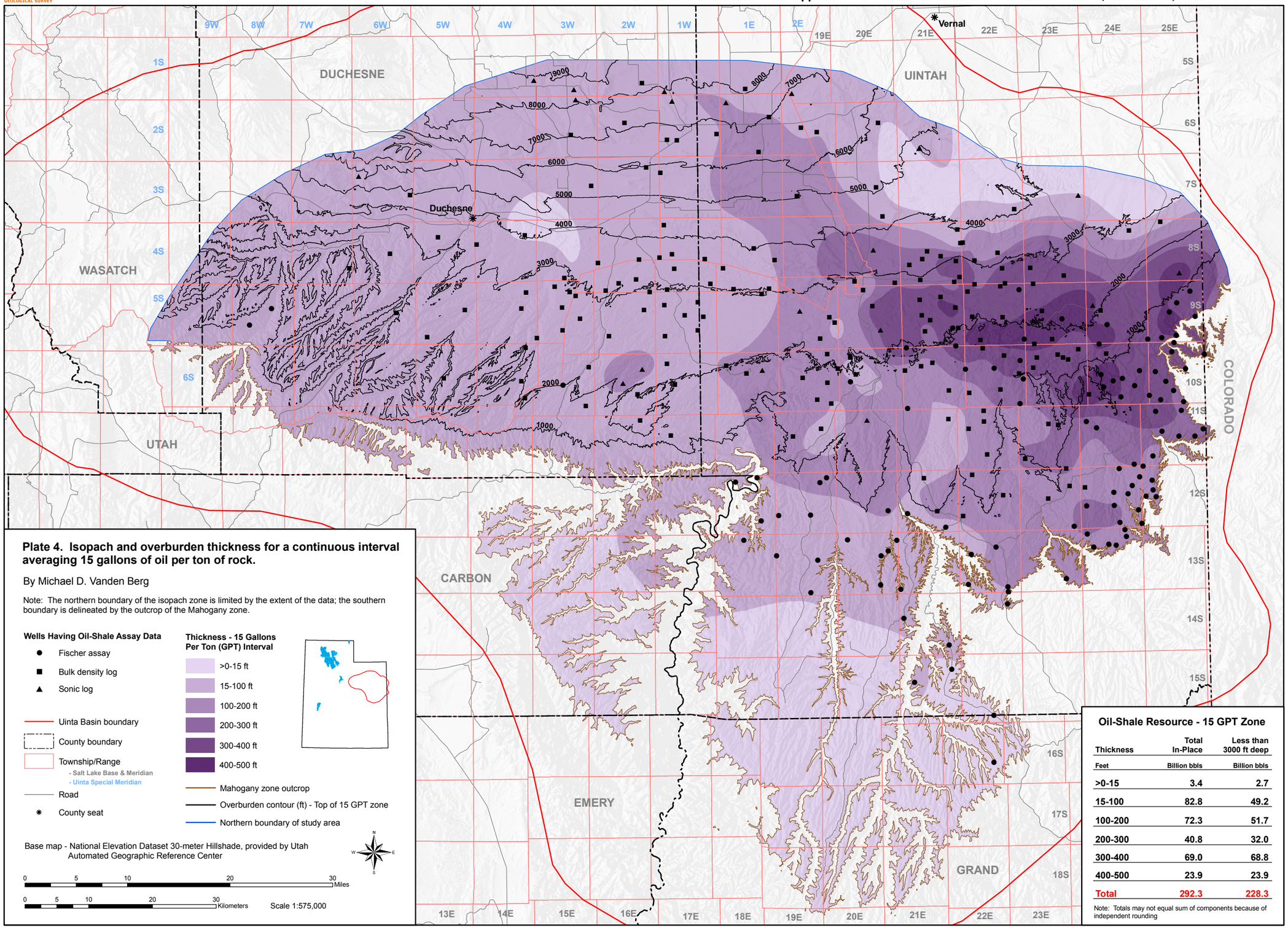


**Plate 4. Isopach and overburden thickness for a continuous interval averaging 15 gallons of oil per ton of rock.**

By Michael D. Vanden Berg

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 - 15 Gallons Per Ton (GPT) Interval**

- >0-15 ft
- 15-100 ft
- 100-200 ft
- 200-300 ft
- 300-400 ft
- 400-500 ft

- Mahogany zone outcrop
- Overburden contour (ft) - Top of 15 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

**Oil-Shale Resource - 15 GPT Zone**

| Thickness | Total In-Place | Less than 3000 ft deep |
|---|---|---|
| Feet | Billion bbls | Billion bbls |
| >0-15 | 3.4 | 2.7 |
| 15-100 | 82.8 | 49.2 |
| 100-200 | 72.3 | 51.7 |
| 200-300 | 40.8 | 32.0 |
| 300-400 | 69.0 | 68.8 |
| 400-500 | 23.9 | 23.9 |
| Total | 292.3 | 228.3 |

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