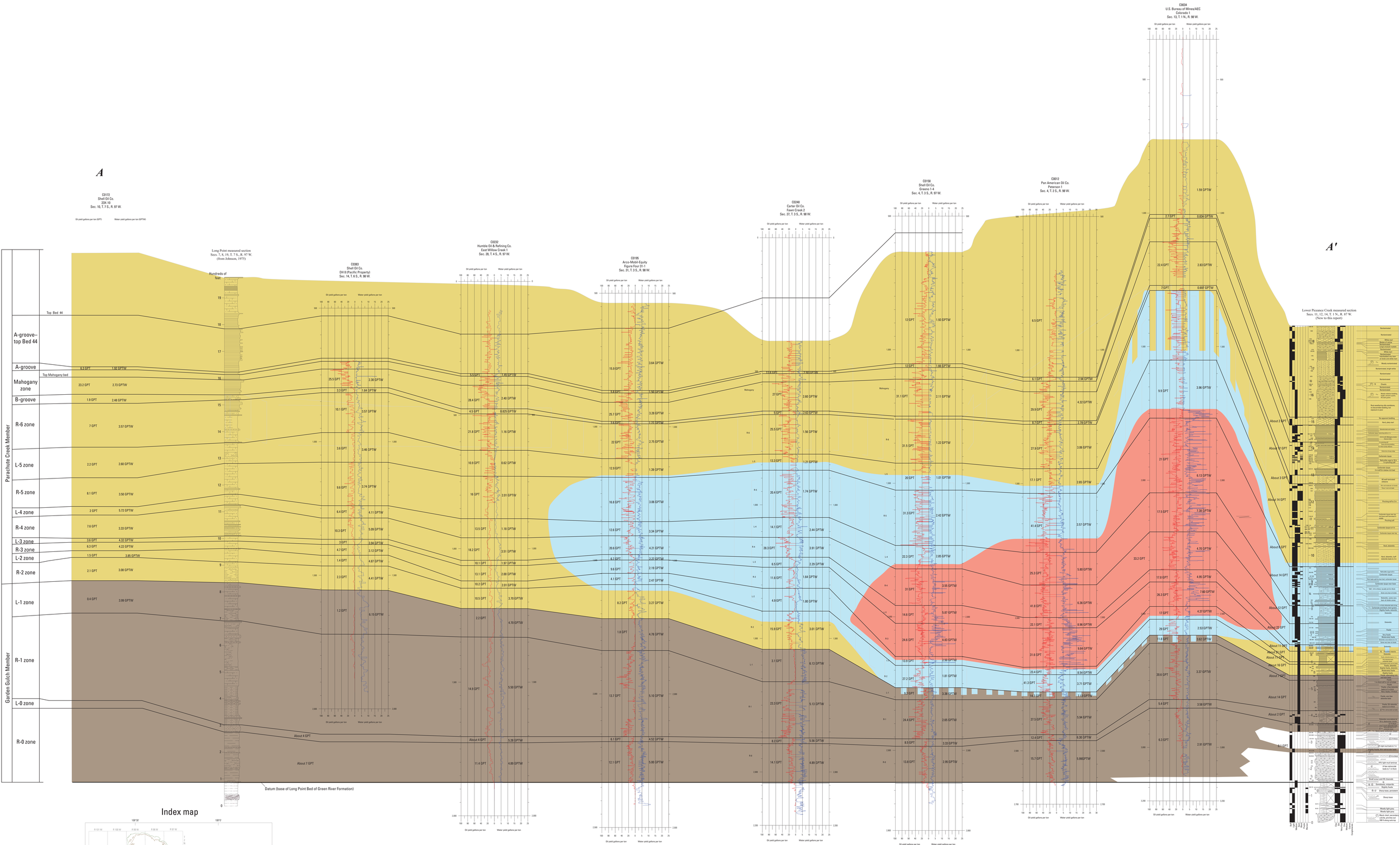
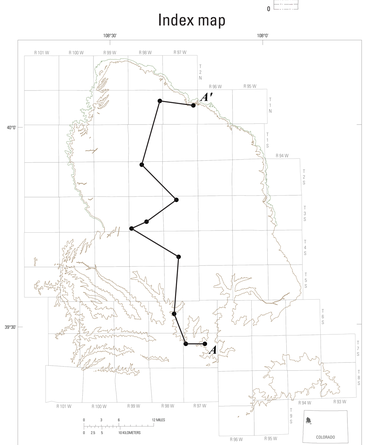
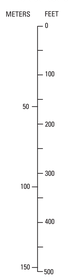


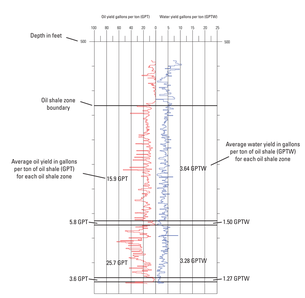
Index map



Vertical scale

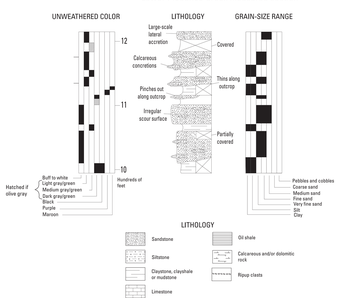


Core holes



EXPLANATION

Lower Piceance Creek measured section



Correlation datum is the top of the R–4 zone

Internal characteristics

- Climbing ripples
- Symmetrical ripples
- Horizontal stratification
- Indistinct laminae
- Cross-stratification, greater than 3 ft high
- Cross-stratification, 1 to 3 ft high
- Irregular stratification
- Fish bones or fish scales
- Contorted stratification
- Pelecypod
- Ostlies
- Oncolites
- Ostracodes
- Gastropods
- Plant remains

Long Point measured section

- Oil shale
- Sandstone
- Kerogen-rich clay shale
- Dolomitic and calcareous claystone
- Silty dolomitic limestone
- Dolomitic and calcareous siltstone
- Algal stromatolites
- Sandy limestone
- Silty sandstone
- Silty claystone
- Crossbedded sandstone

Major water-bearing phases

- Analcime and clay
- Nahcolite
- Clay
- Dawsonite
- Dawsonite and clay
- Dawsonite, analcime, and clay

South to North Cross Section of the Piceance Basin, Colo., Showing Major Water-Bearing Mineral Phases and Variations in Oil and Water Yields from Fischer Assay

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