

A PRELIMINARY ASSESSMENT OF THE PROBABILITY OF OCCURRENCE OF OIL, GAS, OR BITUMEN-BEARING
ROCKS ON SOME U. S. FOREST SERVICE RARE II LANDS IN UTAH

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Discussion

This map was compiled and drafted November 28-December 5, 1977, in response to a request by the U.S. Forest Service for an immediate evaluation of the mineral-resource potential of proposed Roadless Areas in the National Forests in Utah. The roadless areas and adjacent land covered by the RARE II (Roadless Area Review and Evaluation) inventory are shown on a published map by the Forest Service prepared as a base for mineral resource and other inventories.

The map illustrates the results of analysis for oil, gas and bitumen-bearing rocks (tar sandstones) on RARE II tracts but does not include areas with potential for hydrocarbons in oil shales.

This map illustrates the results of a study which is based primarily on the general knowledge of the author and does not represent the results of detailed work in each area. Individual tracts have been grouped in provinces in such a manner to reflect similar geologic phenomena. These provinces were subsequently evaluated as favorable or unfavorable areas for the accumulations of hydrocarbons based on a regional geologic synthesis of the petroleum geology of the entire region, and (or) a comparison to geologic settings of possible analogue productive provinces of other areas. Specifically, the analysis is based on the known distribution hydrocarbon accumulations, reservoir rocks, hydrocarbon-source beds, geologic history, and stratigraphic and (or) structural traps favorable for oil and gas accumulations. As additional information becomes available the classifications for each area may be altered.

This compilation was delivered to the U.S. Forest Service as an administrative report in December of 1977. It is being made available in open file in response to public request.

- SCALE 1:500,000
- 10 20 30 40 50 MILES
10 20 30 40 50 KILOMETERS
- Known occurrence within proposed boundary--Very high probability of additional occurrences. Showing outline of proposed RARE II tracts
- High probability of occurrence--Showing outline of proposed RARE II tracts
- Medium probability of occurrence--Showing outline of proposed RARE II tracts
- Low probability of occurrence--Showing outline of proposed RARE II tracts

