



EXPLANATION

MINERAL-RESOURCE POTENTIAL

- High—Geologic environment highly favorable for the occurrence of mineral resources. Includes some areas known to contain potentially economic mineral deposits.
- Moderate—Geologic environment interpreted to be favorable for the occurrence of mineral resources.
- Low—Geologic environment interpreted to be less favorable for the occurrence of mineral resources.

Introduction

This map was compiled and drafted by Calvin S. Bromfield, U.S. Geological Survey, in response to a request by the U.S. Forest Service for an appraisal of the mineral-resource potential of proposed roadless areas in the National Forests of Utah. The appraisal was completed and reported to the U.S. Forest Service in August 1978. The appraisal was based on a review of the geologic literature and geologic maps of the National Forests of Utah, and on field studies conducted by the U.S. Geological Survey in 1977 and 1978. The appraisal was conducted in accordance with the procedures set forth in the U.S. Geological Survey Manual of Style, section 1000, and the U.S. Geological Survey Manual of Style, section 1001.

Methods

The appraisal was conducted in three stages. In the first stage, the geologic literature and geologic maps of the National Forests of Utah were reviewed to determine the geologic environment of the proposed roadless areas. In the second stage, field studies were conducted to determine the mineral-resource potential of the proposed roadless areas. In the third stage, the appraisal was completed and reported to the U.S. Forest Service.

Results

The appraisal results are shown on this map. The map is divided into three potential levels: High, Moderate, and Low. The High potential areas are cross-hatched, the Moderate potential areas are shown with diagonal lines, and the Low potential areas are shown with horizontal lines. The map also shows areas with insufficient data for classification, which are shown with a specific pattern.

Conclusions

The appraisal results show that the proposed roadless areas in the National Forests of Utah have a high potential for mineral resources. The appraisal also shows that the proposed roadless areas have a moderate to low potential for mineral resources.

References

U.S. Geological Survey, 1977. Geologic maps of the National Forests of Utah. U.S. Geological Survey, Washington, D.C.

Appendix

Appendix A: List of proposed roadless areas in the National Forests of Utah.

Notes

1. Areas outlined by dashed line are from classification by E. W. Tooker and A. T. Morris, August 1978.

Scale

Scale 1:500,000

Compiled by
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1978

U.S. Geological Survey
OPEN-FILE REPORT
This map is preliminary and has not been edited or revised for conformity with Geological Survey standards or nomenclature.

Compiled December 1977 by Calvin S. Bromfield, U.S. Geological Survey, from data of C. S. Bromfield, J. A. Campbell, L. C. Craig, M. S. Griffen, Jr., G. G. Cunningham, K. I. Finch, A. V. Hoyl, F. A. Hill, H. T. Morris, T. A. Stevan, and E. W. Tooker.

MAP SHOWING APPRAISAL OF MINERAL RESOURCE POTENTIAL OF RARE II PROPOSED ROADLESS AREAS IN NATIONAL FORESTS, UTAH (EXCLUSIVE OF COAL, OIL, GAS, AND CONSTRUCTION MATERIALS)