

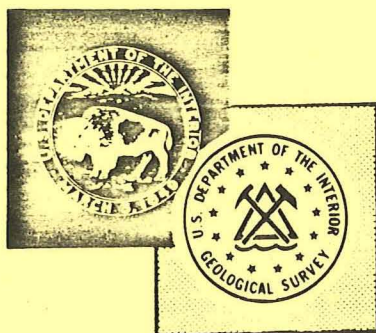
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UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

RESOURCE AND LAND INVESTIGATIONS
(RALI) PROGRAM



List of RALI Sponsored Publications

GL03861

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Resource and Land Investigations (RALI) Program

The Resource and Land Investigations (RALI) Program was established by Secretarial Order in 1972 to provide an Interior Department mechanism that would improve technical communications between the collectors and analysts of resource and land information and the users of such information. State and Regional planners, as well as other land and resource analysts frequently are unable to obtain and use natural science information effectively in support of land use and resource management decision-making. This results, basically, from two problems: (1) lack of adequate information and (2) inability to fully utilize available information. The U.S. Department of the Interior has a vital interest in and responsibility for both assuring and encouraging the proper utilization of the Nation's land and natural resources, which is manifest as a need to address the problem of facilitating the use of resource information by planners. While Interior Department Bureaus and Offices have missions directly supportive of these responsibilities, their activities tend to focus on specific segments of the overall problem. A primary objective of the RALI Program is to facilitate multi-Bureau communication and coordination in those instances where a multidisciplinary perspective and multi-Bureau interaction will improve the Department's ability to service the users of land and resource information in general and the planning community at State and Regional levels in particular. In order to carry out its mission, the RALI Program pursues projects which have the following set of purposes:

- Information dissemination, including the compilation of directories, catalogs, and bibliographies;
- Methodology development, whereby the information base can be used to generate, analyze, and evaluate alternatives in land and resource planning;
- Product evaluation, in which the utility of methodologies and the usefulness of information products are tested against real world problems of the planning community;
- Technology transfer, including the packaging of information in usable forms, the conduct of workshops and other educational procedures, and the provision of technical assistance to the State and Regional Planning community.

Index to Water-Quality Data Available from the U.S. Geological Survey in Machine-Readable Form to December 31, 1972 (1973)

Resource and Land Information for South Dade County, Florida (GS lead agency - 1973) (USGS Miscellaneous Investigation I-850)

Resource and Land Information Program: Complimentary Federal Data Programs and User Charge Policies (Contract - MITRE Corp. - 1973)

Extent and Development of Urban Flood Plains (William J. Schneider and James E. Goddard, USGS Circ. 601-J, 1974)

Index of Flood Maps Prepared by the U.S. Geological Survey Through 1973 (WRI 57-73, 1974) PB 233988/AS - \$7.50

LAND: State Alternatives for Planning and Management (Final Report of the Task Force) (Grant - Council of State Governments, 1974) PB 247610/AS - \$5.50

Land Use Management: Proceedings of the National Symposium on Resource and Land Information (Grant - Council of State Governments, 1974)

Land Use Policy and Program Analysis Number 1: Intergovernmental Relations in State Land Use Planning (Grant - Council of State Governments, 1974) PB 247713/AS - \$4.00

Land Use Policy and Program Analysis Number 2: Data Needs and Resources for State Land Use Planning (Grant - Council of State Governments, 1974) PB 247714/AS - \$4.00

Land Use Policy and Program Analysis Number 3: Organization, Management, and Financing of State Land Use Planning (Grant - Council of State Governments, 1974) PB 247715/AS - \$5.00

Land Use Policy and Program Analysis Number 4: State of the Art for Designation of Areas of Critical Environmental Concern (Grant - Council of State Governments, 1974) PB 247716/AS - \$4.50

Land Use Policy and Program Analysis Number 5: Issues and Recommendations -- State Critical Areas Programs (Grant - Council of State Governments, 1974) PB 247717/AS - \$4.50

Land Use Policy and Program Analysis Number 6: Manpower Needs for State Land Use Planning and Public Involvement in State Land Use Planning (Grant - Council of State Governments, 1974) PB 247718/AS - \$4.00

National Environmental Statistical Report (Contract - MITRE/CEQ - 1975) PB 246233/AS - \$9.00

A Guide to State Programs for the Reclamation of Surface Mined Areas (E. A. Imhoff, T. D. Friz, and J. R. LaFevers - USGS Circular 731 - 1976)

Directory to U.S. Geological Survey Program Activities in Coastal Areas, 1974-76 (P. A. Marcus, ed. USGS Bulletin 1428 - 1976)

A Review of Selected Laws and Governmental Programs in Colorado, As Related to Mineral Resource Management and Surface Mining (E. A. Imhoff, USGS Open-file report no. 76-649 - 1976)

An Analysis of Selected Laws and Governmental Programs in Florida, As Related to Mineral Resource Management and Surface Mining (E. A. Imhoff, USGS Open-file report no. 76-648 - 1976)

Natural Resource Data Needs Recommendations (Grant - Council of State Governments - 1976)

State Resource Management Programs: A Primer on Critical Areas and Information/Data Handling (Office of Land Use and Water Planning/RALI - 1976)

The Environment of South Florida - A Summary Report (B. F. McPherson, G. Y. Hendrix, Howard Klein, and H. M. Tyus) (USGS Professional Paper 1011 - 1976)

DEROCS: Development of Energy Resources on the Outer Continental Shelf: A Computer Program to Generate Offshore Energy Development Scenarios and Onshore Service Base Requirements (P.A. Marcus, E. T. Smith, S. R. Robinson, and A. T. Wong - USGS Open-file report no. 77-130 - 1977)

Case Studies, Technical Supporting Report B (OLUWP/RALI) PB 263803/AS - \$5.00

Information/Data Handling Requirements for Selected State Resource Management Programs, Technical Supporting Report C (OLUWP/RALI)

Information Systems: Technical Description of Software and Hardware, Technical Supporting Report D (OLUWP/RALI) PB 263804/AS - \$6.75

Issue Papers: Technical Supporting Report E (OLUWP/RALI)

Demonstration Projects**

Map Products

Tucson-Phoenix Area

Index and Description of Flood-Prone Area Maps in the Tucson-Phoenix Area, 1973, by the U.S. Geological Survey (I-843-A)

Map of Land Status in the Tucson Area, Arizona, 1973, by the U.S. Department of Agriculture and Arizona Water Commission (I-844-A)

Map of Irrigated Land in the Tucson Area, Arizona, by the U.S. Department of Agriculture and Arizona Water Commission (I-844-B)

Map Showing Distribution and Estimated Thickness of Alluvial Deposits in the Tucson Area, Arizona, by M.E. Cooley (I-844-C)

Map Showing Depth to Water in Wells in the Tucson Area, Arizona 1972, by W.R. Osterkamp (I-844-D)

Map Showing Vegetation in the Tucson Area, Arizona (I-844-H)

Powder River Basin

Energy Resources Map of the Powder River Basin, Wyoming and Montana, compiled by W.R. Keefer and P.W. Schmidt (I-847-A)

Streamflow Volumes in Northeastern Wyoming and Southeastern Montana (I-847-B)

Land Use Map of the Gillette Area, Wyoming, 1970, by Lynn M. Shown (I-848-A)

Land and Coal Ownership in the Gillette Area, Wyoming, by the U.S. Geological Survey (I-848-B)

Map Showing Coal Resources of the Gillette Area, Wyoming, by N.M. Denson and W.R. Keefer (I-848-C)

**Additional map products are still being issued in these series, but are no longer under the sponsorship of the RALI Program.

Puget Sound

Potential Hazards from Future Eruptions of Mt. Rainier, Washington, by D.R. Crandell (I-836)

Climatic Factors Related to Land Use Planning in the Puget Sound Basin, by Donald Richardson and B.L. Foxworthy (I-851-A)

Map Showing Relative Slope Stability in Part of West-Central King County, Western Washington, Compiled by Robert D. Miller (I-852-A)

Landslides and Associated Damage During Early 1972 in Part of West-Central King County, Washington (I-852-B)

Relative Compressibility of Earth Materials in Part of West-Central King County, Washington (I-852-C)

Map Showing Spawning Areas of Anadromous Fish in Southern Hood Canal, Washington, by John D. Findlay, Bureau of Sport Fisheries and Wildlife (I-853-A)

Streamflow in the Southern Hood Canal Area, Washington, as Related to Land-Use Planning (I-853-C)

Map Showing Percolation Rates of Earth Materials in Western Whatcom County, Washington, by Don J. Easterbrook (Western Washington State College) (I-854-A)

TO BE PUBLISHED

Methodological Guidebooks

Onshore Facilities Associated with OCS Development: Methodology
(Contract - NERBC, 1977)

Critical Areas: A Guidebook for Development of State Programs
(OLUWP/RALI/rewritten by Institute of Rational Design, 1977)

Information Data/Handling: A Guidebook for Development of State
Programs (OLUWP/RALI draft/rewritten by IGU - June, 1977)

Environmental Impact Assessment: Methodology and Western Coal
Development (RALI, 1977)

A Guide to Integrated Mined Area Reclamation and Land Use Planning
(RALI/ANL, 1978)

Methods and Criteria for Land Use and Resource Planning in Surface
Mined Areas (E. A. Imhoff, J. O'Connor, W. Kockelman, J. LaFavers -
RALI, 1977)

A Guide to Mined Area Reclamation Technology for Reclamation and
Land Use Planners (Contract - ANL, 1977)

A Methodology for OCS-Related Onshore Facilities Site Identification
and Impact Analysis - Parts I and II of a 3 part publication - Part III
has been published in draft (NERBC, 1977)

Supporting Studies

A Catalog to Sources of Natural Science Data and Information in
the U.S. Department of the Interior (Contract - OLS, 1977)

Compendium of Environmental Statistics, 1976 (RALI/CEQ/EPA, 1977)

Computer Assisted Natural Resources Planning (Contract - BIA/Colville
Tribe/Washington State University/ASPO, 1978)

Computer Software for Spatial Data Handling (Grant - International
Geographical Union, Commission on Geographical Data Sensing and
Processing)

Regulating Sensitive Lands: The Implementation of Critical Area Programs (Jon Kusler, Environmental Law Institute, June, 1977)

Environmental Quality Indicators, 1976 (RALI/CEQ/EPA, 1977)

Report of the Denver Workshop on State-Local-Federal Relationships in Socioeconomic Impact Assessments (Contract - CEQ - University of Denver Research Institute, 1977)

Computer Terminal Users Guide to DEROCS (RALI, 1977)

A Case Study of Surface Mining and Reclamation Planning: South Boulder Creek Park Project, Sand and Gravel Operations, Boulder, Colorado (Contract - ANL, 1977)

A Case Study of Surface Mining and Reclamation Planning: International Minerals and Chemical Corporation, Phosphate Operations, Polk County, Florida (Contract - ANL, 1977)

A Case Study of Surface Mining and Reclamation Planning: Georgia Kaolin Company, Clay Mines, Washington County, Georgia (Contract - ANL, 1977)

A Case Study of Surface Mining and Reclamation Planning: Area Strip Coal Mining, Peabody Universal Mine, Universal, Indiana (Contract - ANL, 1977)

A Case Study of Surface Mining and Reclamation Planning: ASARCO Open-Pit Copper Mine, Casa Grande, Arizona (Contract - ANL, 1977)

A Case Study of Surface Mining and Reclamation Planning: Cannelton Mountain-Top Removal Coal Mine No. 9-S, Cannelton, West Virginia (Contract - ANL, 1977)

A Bibliography of Integrated Mined Area Reclamation and Land Use Planning, With Annotations (Contract - ANL, 1977)

