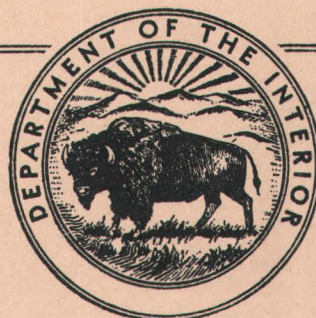


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**GEOLOGICAL SURVEY CIRCULAR 56**



**August 1949**

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**PRELIMINARY MAPS AND REPORTS  
RELEASED BY THE  
GEOLOGIC DIVISION 1946-1947  
AND BY THE  
CONSERVATION DIVISION 1938-47**

**By**

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UNITED STATES DEPARTMENT OF THE INTERIOR  
J. A. Krug, Secretary  
GEOLOGICAL SURVEY  
W. E. Wrather, Director

WASHINGTON, D. C.

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Free on application to the Director, Geological Survey, Washington 25, D. C.

## INTRODUCTION

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This pamphlet contains a complete list of all the preliminary maps and reports issued by the Geologic Division of the U. S. Geological Survey during the period between January 1, 1946, and January 1, 1948, and by the Conservation Division between January 1, 1938, and January 1, 1948.

Some of the reports of Survey work in the United States, Alaska, and Mexico are included in the compilation of Geologic Division material. These reports were released in preliminary form to avoid the delays necessarily attendant upon formal publication, and to make the information more promptly available to property owners and mine operators concerned with exploration for and production of minerals, fuels, and construction materials.

The addendum covers releases from the Conservation Division and contains some of the results of work done by Conservation geologists and engineers in 12 states and Alaska; commodities included are coal, gas, oil, potash, water, and water power.

Most of the maps were duplicated by rapid and inexpensive processes such as ozalid, van dyke, and photostat, but some were duplicated by more expensive multilith or photolith processes. Most of the maps and reports released for public distribution were prepared in limited editions only; some of them are now out of print. Those still available may be obtained at the listed price from the Director of the U. S. Geological Survey, Washington 25, D. C., or at the addresses listed in the column headed "Remarks". If no price is given, the maps and reports are free.

Maps and reports not prepared for general distribution were placed in open files in various Geological Survey offices, offices of other government agencies, and offices of State geological agencies, whose addresses are given in the column headed "Remarks". The contents of these files may be inspected by those interested.

Maps in open files are listed in this pamphlet under "Remarks", and maps for general distribution are listed under "Maps distributed".

The material is arranged alphabetically, first by commodity, and second by location.



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PRESS RELEASES ISSUED BY THE GEOLOGIC DIVISION OF THE GEOLOGICAL SURVEY  
BETWEEN JANUARY 1, 1945 AND JANUARY 1, 1946

Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Alumina	1/23/46	WASHINGTON King	High-alumina clay deposits of King County, Washington.	None.	<p>Deposits studied and mapped by R. L. Nichols, 1945. Prepared in cooperation with U. S. Bureau of Mines, Project 1202.</p> <p>Press release placed 41-page mimeographed report (including 13 pages of chemical data and reserves), "Preliminary report on the King County, Washington, high-alumina clay deposits", and 10 maps in open file at Geological Survey offices at: 4216, Federal Works Agency Building, Washington, D. C.; 707 Peyton Building, Spokane, Washington; the Washington State Department of Conservation and Development, Division of Mines and Geology, Olympia, Wash.; and the U. S. Bureau of Mines Experiment Station, Seattle, Wash.</p> <p>Ten maps (ozalid) placed in open file:</p> <ol style="list-style-type: none"> <li>1. Index map, high-alumina clay, western Washington.</li> <li>2. Index map, high-alumina clay deposits, King County, Wash. 1"-3 miles.</li> <li>3. Blum and Durham high-alumina clay deposits, King County, Wash. (Columnar sections showing relationship of chemical data and lithology in ore body. Based on drilling and analyses of Bureau of Mines.) 1"-2 1/2'.</li> <li>4. Kangley high-alumina clay deposit, King County, Washington, by R. L. Nichols and C. P. Purdy of the Bureau of Mines. 1945. 1"-40'.</li> <li>5. Geologic structure sections, Durham high-alumina clay deposit, King County, Wash.; 1"-40'.</li> <li>6. Kanaskat high-alumina clay deposit, King County, Wash. (Surface map of geology and reserves and 2 cross sections.) 1"-100'.</li> <li>7. Durham, Kanaskat, and Kangley high-alumina clay deposits, King County, Wash. (Geologic map and 2 cross sections.) 1"-500'.</li> <li>8. Durham high-alumina clay deposit, King County, Wash. Geologic map and map for calculation of reserves. 1"-200'.</li> <li>9. Blum high-alumina clay deposit, King County, Wash. (Surface map and 3 cross sections.) 1"-100'.</li> <li>10. Blum, Harris, and Kummer high-alumina clay deposits, King County, Wash. (Geologic maps and cross sections.) 1"-1667'.</li> </ol>
Alumina	1/23/46	WASHINGTON Spokane	Excelsior high-alumina clay deposit, Spokane County, Washington.	None.	<p>Deposits studied and mapped by Vernon E. Scheid; 1943.</p> <p>Press notice placed a 66-page mimeographed report (including 12-page appendix of representative drill logs with assays), "Preliminary report, Excelsior high-alumina clay deposit, Spokane County, Washington" by V. E. Scheid, 1945, and 5 maps in open file at Geological Survey offices, Room 4216, Federal Works Agency Building, Washington, D. C. and 707 Peyton Building, Spokane, Wash.</p> <p>Five maps (ozalid) in open file:</p> <ol style="list-style-type: none"> <li>fig. 1. Index map of Spokane, Washington, area showing location of Excelsior high-alumina clay deposit and regional geology. 1"-5 miles.</li> <li>pl. 1. Topographic and geologic map, Excelsior high-alumina clay deposit, Spokane County, Wash. 1945. 1"-500'</li> <li>pl. 2. East-west geologic sections of Area 1, Excelsior high-alumina clay deposit, Spokane County, Wash. A-A' through H-H'; scale: vertical 1"-50'; horizontal 1"-250'.</li> <li>pl. 3. East-west geologic sections of Area 2, Excelsior high-alumina clay deposit, Spokane County, Wash.; M-M' through U-U'.</li> <li>pl. 4. North-south geologic sections, Excelsior high-alumina clay deposit, Spokane County, Wash., V-V', W-W', X-X'.</li> </ol>
High-alumina clay	8/28/46	CALIFORNIA Orange Riverside	High-alumina clays of the Santa Ana Mountain region, California.	Strategic Minerals Investigations, Preliminary Map 3-197. Photolith; price 25¢. Sketch map of the Santa Ana Mountain clay region, California. 1"-1 mile. 1945.	Deposits studied and mapped by C. R. Stauffer, 1945. Text: High-alumina clays of the Santa Ana Mountain region, California. (Printed on same sheet with map.)

PRESS RELEASES ISSUED BY THE GEOLOGIC DIVISION OF THE GEOLOGICAL SURVEY  
BETWEEN JANUARY 1, 1946 AND JANUARY 1, 1948

Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Alumina	6/26/46	IDAHO Latah	Deary high-alumina clay deposit, Latah County, Idaho.	None.	<p>Deposits studied and mapped by V. E. Scheid and I. G. Sohn, 1944 and 1945.</p> <p>Press release placed a 38-page mimeographed report (including 10-page appendix of drill with assays) "Preliminary report, Deary high-alumina clay deposit, Latah County, Idaho", and 3 maps in open file at Geological Survey offices at 4216, Federal Works Agency Building Washington, D. C.; and 707 Peyton Building, Spokane, Wash.</p> <p>Three maps (ozalid) in open file:</p> <ol style="list-style-type: none"> <li>1. Geologic and index map of the Latah County, Idaho, clay district. 1"-4 miles.</li> <li>2. Topographic and geologic map, Deary high-alumina clay deposit, Latah County, Idaho. 1"-500'.</li> <li>3. Geologic sections, Deary high-alumina clay deposit, Latah County, Idaho. Vertical scale 1"-100'.</li> </ol>
Antimony	8/8/48	MEXICO Sonora	Report on antimony deposits of Sonora, Mexico, released.	None.	<p>Press release placed in open file "The antimony deposits of the Antimonio district, State of Sonora, Mexico", accompanied by 13 plates and 2 figures, by D. E. White and R. Guiza. 1943.</p> <p>Prepared in cooperation with the Instituto de Geologia, Universida and Nacional Autonoura de Mexico and the Comito Directivo para la Inupstigacion de los Recursos Minerales de Mexico under the auspices of the Interdepartmental Committee on Scientific and Cultural Cooperation, Department of State.</p> <p>Maps in open file at: Library and 4207, Federal Works Agency Building, Washington, D. C.;</p> <ol style="list-style-type: none"> <li>pl. 1. Geology of the Cerro de San Francisco area.</li> <li>2. Geology of the San Francisco area.</li> <li>3. Geology of the Montana area.</li> <li>4. Surface and underground geology of the eastern vein of the Argentina mine.</li> <li>5. Geology and section of the Linena mine.</li> <li>6. Geology and cross section of the north veins of the Palo Verde mine.</li> <li>7. Geology of the Pensamiento mine.</li> <li>8. Geology of the Piedra Azul mine.</li> <li>9. Geology of the Montana mine.</li> <li>10. Geology of the Salero mine.</li> <li>11. Geology of the south vein of the Promontorio mine</li> <li>12. Geology of the Fortuna area.</li> <li>13. Geology of the Escondida area.</li> </ol> <p>fig. 1. Map of the State of Sonora, Mexico. 2. Map of the Antimo district.</p>
Barite	2/11/46	GEORGIA Bartow	Geological Survey released map of Georgia barite mine.	None.	<p>Deposits studied and mapped by T. L. Kesler and I. G. Sohn, 1945.</p> <p>Press notice placed a 4-page report, "Report, Parrott Springs barite mine, Cartersville district, Bartow County, Georgia", by T. L. Kesler, and one map in open file at Geological Survey offices at 4216 Federal Works Agency Building, Washington, D. C.; Cartersville, Ga; and the Department of Mines, Mining and Geology, 425 State Capitol, Atlanta, Ga.</p> <p>One map (blue-line print) in open file: Geologic and topographic map of the Parrott Springs barite mine, Cartersville district, Bartow County, Ga. 1"-50'.</p>

PRESS RELEASES ISSUED BY THE GEOLOGIC DIVISION OF THE GEOLOGICAL SURVEY  
BETWEEN JANUARY 1, 1946 AND JANUARY 1, 1948

Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Barite	3/22/46	GEORGIA Bartow	Nulsen barite mine, near Cartersville, Ga., mapped by Geological Survey.	None.	Deposits studied and mapped by T. L. Kesler and I. G. Sohn, 1946. Press notice placed report, "Report, Nulsen barite mine, Cartersville district, Bartow County, Georgia", and one map in open file at Geological Survey offices; Room 4216, Federal Works Agency Building, Washington, D. C.; the Mary Mumford Memorial Library, Cartersville, Ga.; and the Department of Mines, Mining and Geology, 425 State Capitol, Atlanta, Ga. One map (blue-line print) in open file: Geologic and topographic map of the Nulsen barite mine, Cartersville, Ga.; 1"-100'.
Bauxite	6/14/46	ALABAMA Barbour Butler Choctaw Clarke Coffee Crenshaw Henry Marango Monroe Pike Sumter Wilcox MISSISSIPPI Benton Chickasaw Clay Kemper Lauderdale Noxubee Oktibbeha Pontotoc Tippah Union Webster Winston	The Midway and Wilcox stratigraphy of Alabama and Mississippi.	Strategic Minerals Investigations, Preliminary Map 3-195. Photolith; price 50¢. The Midway and Wilcox stratigraphy of Alabama and Mississippi (including index map showing location of measured sections and approximate position of the original strand line (A-B and C-D) of the Nanafalia s.s.). Horizontal scale: 1"-6 miles; vertical scale: 1"-50'.	Deposits studied and mapped by F. S. MacNeil. Report: Summary of the Midway and Wilcox stratigraphy in Alabama and Mississippi. (29 mimeographed pages.)
Brines	2/6/46	NEW MEXICO Eddy	Report of pumping test on sulfate brine wells released by Geological Survey.	None.	Press notice placed a 7-page photostat report, "Pumping test on brine wells of Emro Corporation near Carlsbad, New Mexico," by C. V. Theis and W. E. Hale, in open file at Geological Survey offices at 4216 Federal Works Agency Building, Washington, D. C.; Carlsbad, N. Mex.; and the State Bureau of Mines and Mineral Resources, Socorro, N. Mex.

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Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Construction materials and non-metallic minerals	6/9/47	COLORADO	Map of Colorado shows construction materials and non-metallic minerals.	Missouri Basin Studies No. 10, Chromolith; price 80¢. Construction materials and non-metallic minerals map of Colorado, by D. M. Larrabee, S. E. Claybaugh, W. R. Griffiths, E. C. Fischer, E. L. Fox, and R. P. Bryson. 1:500,000. 1947.	Text: Construction materials and non-metallic mineral resources of Colorado. (Printed on same sheet with map). Map prepared in cooperation with the Colorado State Geological Survey Board and the Colorado Metal Mining Fund. Available from the Director and over-the-counter sale at the Geological Survey Office, 314 Boston Building, Denver, Colo.
Construction materials and non-metallic resources	7/16/47	NORTH DAKOTA	North Dakota resource map.	Missouri Basin Studies No. 14, Chromolith; price 50¢. Construction materials and non-metallic mineral resources of North Dakota, by A. F. Shride, E. C. Fischer, D. M. Larrabee, R. A. Weeks, I. G. Sohn, and E. L. Fox. 1:500,000. 1947.	Text: Construction materials and non-metallic mineral resources of North Dakota. (Printed on same sheet with map). Map prepared in cooperation with the North Dakota Geological Survey. Available from the Director, and over-the-counter sale at the North Dakota Geological Survey, University Station, Grand Forks, North Dakota.
Construction materials and non-metallic resources	8/27/47	NORTH DAKOTA Williams	Map of construction materials in Williams County, North Dakota, released.	None.	Press release placed in open file one map "Preliminary map showing construction materials in the south one-half of Williams County, N. Dak.," by D. M. Larrabee, H. R. Morris, and P. E. Trusedell. 1"-1 mile. 1946. One map (two sheets) in open file at: Office of the State Geologist, University of North Dakota, Grand Forks, N. Dak.; U. S. Geol. Survey Library and G-234, Federal Works Agency Building, Washington, D. C.
Construction materials and non-metallic minerals	11/20/47	NORTH DAKOTA western SOUTH DAKOTA north-western	New map shows possible riprap sources in Dakotas.	Missouri Basin Studies No. 20, Chromolith; price 50¢. Reconnaissance map showing locations of possible sources of riprap in western North Dakota and in northwestern South Dakota, by P. E. Trusedell and G. S. Hilton. 1:500,000. 1947.	No text. Map available from the Director, U. S. Geological Survey, Washington 25, D. C., and the North Dakota Geological Survey, University Station, Grand Forks, North Dakota.
Construction materials and non-metallic resources		SOUTH DAKOTA	See under <u>North Dakota</u> .		
Construction materials and non-metallic minerals	8/25/47	SOUTH DAKOTA	South Dakota resources map released.	Missouri Basin Studies No. 12, Chromolith; price 60¢. Construction materials and non-metallic mineral resources of South Dakota, by R. P. Bryson, E. L. Fox, D. M. Larrabee, R. A. Weeks, and E. C. Fischer. 1:500,000. 1947.	Text: Construction materials and non-metallic mineral resources of South Dakota. (Printed on same sheet with map). Map prepared in cooperation with the South Dakota State Geological Survey. Available from the Director, and over-the-counter sale at South Dakota State Geological Survey, Vermillion, South Dakota.

PRESS RELEASES ISSUED BY THE GEOLOGIC DIVISION OF THE GEOLOGICAL SURVEY  
 BETWEEN JANUARY 1, 1946 AND JANUARY 1, 1948

Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Construction materials and non-metallic minerals	11/19/46	WYOMING	Wyoming construction materials and non-metallic resources.	Missouri Basin Studies No. 9, Chromolith; price 70¢. Map showing construction materials and non-metallic mineral resources of Wyoming. 1"-8 miles.	Compiled by S. E. Claybaugh, D. M. Larrabee, W. R. Griffiths, E. C. Fischer, E. L. Fox, and M. K. Wilson. Text: Construction materials and non-metallic mineral resources. (Printed on same sheet with map.) Available for over-the-counter sale at Geological Survey offices at 305 Federal Building, Casper, Wyoming, and 314 Boston Building, Denver, Colo.

PRESS RELEASES ISSUED BY THE GEOLOGIC DIVISION OF THE GEOLOGICAL SURVEY  
BETWEEN JANUARY 1, 1946 AND JANUARY 1, 1948

Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Copper	12/9/46	ALASKA Prince of Wales Island	Copper deposits of Prince of Wales Island described.	<p>Eight maps; multilith:</p> <ol style="list-style-type: none"> <li>1. Index map of Kasaan Peninsula.</li> <li>2. Generalized geologic map of the Rush and Brown mine area, Kasaan Peninsula, Prince of Wales Island, southeastern Alaska.</li> <li>3. Geologic map of the vicinity of the Rush and Brown mine, Kasaan Peninsula, Prince of Wales Island, southeastern Alaska.</li> <li>4. Isometric block diagram of the Rush and Brown mine.</li> <li>5. Geologic map of the 100-foot level, Rush and Brown mine.</li> <li>6. Plan of main workings of the Rush and Brown mine; from map by Solar Development Co.; published by permission of Consolidated Mining and Smelting Company of Canada, Ltd.</li> <li>7. Section on vein of the Rush and Brown mine.</li> <li>8. Geologic map of Iron Creek no. 1 (Venus) claim.</li> </ol>	<p>Deposits studied and mapped by L. A. Warner, R. G. Ray, C. T. Bressler, S. P. Brown, W. S. Twenhofel, and G. M. Flint, Jr.; 1940-44.</p> <p>Report: Copper deposits at the Rush and Brown mine and Venus prospect, Prince of Wales Island, southeastern Alaska, by L. A. Warner, R. G. Ray, and G. M. Flint, Jr. (Six mimeographed pages.)</p>
Copper	8/4/47	ARIZONA Pima	Report on copper deposits in Pima County, Arizona, released.	<p>None.</p> <p>5 maps (blue-line prints) in open file:</p> <ol style="list-style-type: none"> <li>1. Generalized geologic and topographic map and sections of the areas adjacent to the Rosemont Lease and Leader, Copper World and Narragansett mines, Helvetia mining district, Pima County, Arizona. Geology by S. C. Creasey and G. L. Quick. 4/1943. 1"-100'.</li> <li>2. Generalized topographic, geologic, and underground map of the Rosemont lease, Helvetia mining district, Pima County, Arizona. Geology by S. C. Creasey; topography by H. H. Sullwold, Jr. 2/1943. 1"-200'.</li> <li>3. Generalized geologic and topographic map of the area adjacent to the Copper World and Leader mines, Helvetia mining district, Pima County, Arizona. Geology by S. C. Creasey; topography by H. H. Sullwold, Jr., and G. L. Quick. 3/1943. 1"-200'.</li> <li>4. Generalized underground map of the Leader and Copper World Mines, Helvetia mining district, Pima County, Arizona. Geology by S. C. Creasey, H. H. Sullwold, Jr., and G. L. Quick. 3/1943. 1"-50'.</li> <li>5. Generalized geologic and topographic map of the area adjacent to the Narragansett mine, Helvetia mining district, Pima County, Arizona. Geology by S. C. Creasey and G. L. Quick. 3/1943. 1"-200'.</li> </ol>	<p>Press release placed 35-page report, "Copper deposits of a part of the Helvetia mining district, Arizona", by S. C. Creasey and G. L. Quick, and five maps in open file at: 4216 Federal Works Agency Building, Washington, D. C.; 506 Federal Building, Salt Lake City, Utah; Director, Arizona Bureau of Mines, Tucson, Arizona.</p>
Copper	3/12/46	ARIZONA Gila	The Christmas copper mine, Gila County, Arizona.	None.	<p>Deposits studied and mapped by N. P. Peterson and R. W. Swanson. Work carried out in cooperation with the U. S. Bureau of Mines, Project 1419, 1942-45.</p> <p>Press notice placed a 40-page report, "The Christmas copper mine, Gila County, Arizona", and 24 maps in open file at Geological Survey offices at: 4216 Federal Works Agency Building, Washington, D. C. 303 Federal Building, Salt Lake City, Utah; the Arizona Bureau of Mines, Tucson, Ariz.</p>

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Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Copper	3/12/46	ARIZONA (cont.)		<p>Twenty-four maps (van dykes) in open file:</p> <p>fig. 1. Index map of Arizona, 1"-50miles; photostat.</p> <p>2. Graph showing relation of periods of operation to price of copper, Christmas copper mine, Gila County, Ariz.</p> <p>pl. 1. Topographic and geologic map, Christmas copper mine, Gila County, Ariz.; 1"-200'.</p> <p>2. Stratigraphic section of Tornado Peak west of Christmas, Ariz.; 1"-100'.</p> <p>3. Stratigraphic section 1 mile northwest of Christmas mine, Ariz.; 1"-100'.</p> <p>4. Christmas copper mine, section C-C'; 1"-200'.</p> <p>5. Stratigraphy-stope correlation of Las Novias series and younger beds, Christmas copper mine; 1"-20'.</p> <p>6. Composite level plan showing stoped area, Christmas copper mine; 1"-100'.</p> <p>7. Christmas copper mine, 300 (275-foot) level; 1"-100'.</p> <p>8. Christmas copper mine, 400 (375-foot) level; 1"-100'.</p> <p>9 and 9A. Christmas copper mine, 770-foot level; scale for 9, 1"-100'; scale for 9A, 1"-40'.</p> <p>pl. 10 thru 20, sections 4500, 5300, 5500, 5700; 1"-100'. (Cross sections).</p> <p>pl. 21. Section B-B'; 1"-100'. (Cross sections).</p> <p>22. Section A-A'; 1"-100'. (Cross sections).</p> <p>Also, appendix consisting of 22 drill-hole sections and 4 level maps (van dykes); 1"-100'.</p>	
Copper	5/3/46	ARIZONA	The Ajo mining district, Arizona.	None.	<p>Deposits studied and mapped by James Gilluly, 1932-34.</p> <p>Press notice placed a 112-page report, "The Ajo mining district, Arizona" (accompanied by 80 photographs and 18 maps) in open file at Geological Survey offices at 4216 Federal Works Agency Building, Washington, D. C. and Room 6, Lawler Block, Prescott, Arizona.</p> <p>Eighteen maps in open file:</p> <p>fig. 1. Index map of Arizona showing location of the Ajo quadrangle.</p> <p>2. Generalized topographic map of the Ajo quadrangle and contiguous areas in southwestern Arizona.</p> <p>3. Generalized diagrammatic section illustrating the principal rock formations and their age relations in the Ajo quadrangle.</p> <p>4. Structural features of the Cornelia quartz monzonite and its host rocks showing general independence of the two.</p> <p>5. Diagrammatic section through the west spur of North Ajo Peak, west of the Chico Shunie fault.</p> <p>6. Section through spur of Batamote Mountains at east edge of Ajo quadrangle.</p> <p>7. Representative quartz monzonite ore from New Cornelia mine.</p> <p>8. Sequence of formation of the metamorphic minerals of the New Cornelia ore deposit, Ajo, Ariz.</p> <p>pl. 1. Geologic map and sections of the Ajo quadrangle, Pima County, Ariz. 1"-1 mile.</p> <p>2. Pre-mine topography of the mineralized area in and near the New Cornelia mine, Pima County, Ariz. 1"-200'.</p> <p>3. Geologic map and sections of the Ajo mining district, Pima County, Ariz. 1"-1,000'.</p> <p>4. Geologic map of the New Cornelia mine and surrounding area, Pima County, Ariz. 1"-500'.</p> <p>5. Cross sections along north-south lines through the New Cornelia mine, Ariz. 1"-500'.</p> <p>6. Cross sections through New Cornelia mine, Pima County, Ariz. 1"-500'.</p> <p>7. Schematic diagram, looking southeast, illustrating structural evolution of east of Little Ajo Mountains.</p> <p>8. Geology and outlines of the New Cornelia ore body at various elevations. 1"-500'.</p> <p>9. Representative assay graphs of diamond-drill holes, New Cornelia mine.</p> <p>10. Mineralogic maps of New Cornelia ore body T. 12 S., R. 6 W., Ariz. 1"-1,000'.</p> <p>Superseded by publication of Professional Paper 209, "The Ajo Mining District", by James Gilluly (in 1946).</p>

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Copper-zinc	2/13/46	CALIFORNIA Amador	Foothill copper-zinc belt of the Sierra Nevada Grayhouse area, Amador County, California.	None.	Deposits studied and mapped by G. R. Heyl and M. H. Staats. 1943-45. Press notice placed a 10-page report, "Grayhouse area, Amador County, California" by G. R. Heyl, and 3 maps in open file at Geological Survey offices: 4216 Federal Works Agency Building, Washington, D. C.; 303 Federal Building, Salt Lake City, Utah; the California Division of Mines, San Francisco, Calif. Prepared in cooperation with the U. S. Bureau of Mines.  Three maps (van dykes) in open file: 1. Field sketch, folds in Barnett Gulch, Grayhouse area, Amador County, Calif. 2. Grayhouse diamond drill hole, Amador County, Calif.; vertical scale, 1"-100'. 3. Grayhouse area, Amador County, Calif. (Geologic and topographic map). 1"-200'.
Copper-lead-zinc	6/2/46	NEW MEXICO Santa Fe	North mining area, Cerrillos district, Santa Fe County, New Mexico.	Strategic Minerals Investigations, Preliminary Map 3-205. Two maps; blue-line prints: 1. North mining area, Cerrillos district, Santa Fe County, New Mexico. 1"-200'. 2. North mining area, Cerrillos district, Santa Fe County, New Mexico; underground workings of the Tom Payne, Pennsylvania, and Black Hornet mines. 1"-50'.	Deposits studied and mapped by W. C. Stoll and W. J. Powell, 1945. Report: The North mining area, Cerrillos district, Santa Fe County, New Mexico, by W. C. Stoll. (Three mimeographed pages.)
Copper	9/10/46	VERMONT Lamoille	Preliminary geologic report on the Udall mine, Wolcott, Lamoille County, Vermont.	None.	Deposits studied and mapped by W. S. White, J. H. Eric, and T. W. Amsden. 1943. Press release placed report, "Preliminary geologic report, Udall mine, Wolcott, Vermont", and one map in open file at: 4216 Federal Works Agency Building, Washington, D. C.; and the State Department of Natural Resources, University of Vermont, Burlington, Vt.  One map (photostat) in open file: Geologic map of Udall mine, Lamoille County, Vt. 1"-100'. (Removed from open file in 1948).



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Fluorspar	3/1947	ARIZONA Greenlee	Fluorspar deposits near Duncan, Arizona, studied.	Strategic Minerals Investigations, Preliminary Map 3-207. 7 maps (blue-line prints): 1. Index map showing location of fluorspar deposits near Duncan, Greenlee County, Arizona. 2. Geologic and topographic map of the Fourth of July fluorspar claims, Greenlee County, Arizona. 1"-100'. Geology and topography by R. D. Trace and D. A. Warner. 2/1944. 3. Plan and projections, Fourth of July fluorspar mine, Greenlee County, Arizona. 1"-20'. Surveyed by R. D. Trace and D. A. Warner. 2/1944. 4. Geologic and topographic map of the Luckie no. 1. fluorspar mine, Greenlee County, Arizona. 1"-40'. Surveyed by R. D. Trace and J. K. Grunig. 3/1944. 5. Level map and projections, Luckie no. 1. fluorspar mine, Greenlee County, Arizona. 1"-20'. Surveyed by R. D. Trace and J. K. Grunig. 4/1944. 6. Geologic and topographic map of the Luckie no. 2 fluorspar mine, Greenlee County, Arizona. 3/1944. Geology and topography by R. D. Trace and J. K. Grunig. 1"-40'. 7. Level maps and sections, Luckie no. 2 fluorspar mine, Greenlee County, Arizona. 1"-20'. Surveyed by R. D. Trace and J. K. Grunig. 3/1944.	Text: Preliminary report on the Fourth of July and Luckie nos. 1 and 2 fluorspar veins, Greenlee County, Arizona, by R. D. Trace. 1944. (Mimeographed.)
Fluorspar	3/10/47	CALIFORNIA Chaffee	Poncha fluorspar deposits, Chaffee County, Colorado, studied.	Strategic Minerals Investigations, Preliminary Report 3-210. Five maps (blue-line prints): 1. Index map showing location of the Poncha Springs and Poncha Pass fluorspar deposits, Chaffee County, Colorado. 1"-2 miles. 2. Geologic and topographic map of the Poncha Springs fluorspar deposit, Chaffee County, Colorado. Geology and topography by D. C. Cox, R. D. Trace, and J. O. Fisher. 1"-40'. 3. Geologic maps of the mine workings at the Poncha Springs fluorspar deposit, Chaffee County, Colorado. 4. Topographic map of the Poncha Pass fluorspar deposit, Chaffee County, Colorado. By R. T. Russell and T. A. Steven. 1"-100'. 1945. 5. Geologic maps of the mine workings at the Poncha Pass fluorspar deposit, Chaffee County, Colorado. Geology by R. T. Russell. 1945. 1"-20'.	Text: The Poncha fluorspar deposits, Chaffee County, Colorado, by R. T. Russell. Investigations made in cooperation with the Colorado State Geological Survey Board and the Colorado Metal Mining Fund.
Fluorspar	10/9/47	MONTANA Mineral	Report issued on Montana fluorspar deposit.	None.	Press release placed an 8-page report "The Spar fluorspar prospect, Mineral County, Montana" by C. P. Ross, and 4 maps in open file at Geological Survey offices at Washington, D. C. and Spokane, Wash.; and at the Office of the Director, State Bureau of Mines and Geology, Butte, Montana.  3 maps (photostat) in open file: 1. Map of part of northeastern Mineral County, Montana, showing approximate location of the Spar prospect, 1"-2 miles. 2. Sketch of fluorspar body in the pit at the Spar prospect. 1"-4'. 3. Geologic and topographic map of the Spar fluorspar prospect, T. 17 N., R. 27 W., Mineral County, Montana. 9/1944. 1"-100'.

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Fluorspar	3/21/46	NEVADA Churchill	Preliminary report on the Baxter fluorspar deposit near Broken Hills, Nevada.	Strategic Minerals Investigations, Preliminary Maps 3-196. Four maps (blue-line prints): 1. Index map of Nevada, showing location of Baxter fluorspar deposit. 2. Preliminary geologic and topographic map of the Baxter fluorspar deposit, Churchill County, Nevada. 1"-100'. 3. Map of active mine workings, Baxter fluorspar deposit, Churchill County, Nevada. 1"-50'. 4. Vertical section through No. 2 or Main shaft, Baxter fluorspar deposit, Churchill County, Nevada. 1"-50'.	Deposits studied and mapped by W. R. Thurston and J. P. Rich. 1945. Report: Preliminary report on the Baxter fluorspar deposit near Broken Hills, Nevada, by W. R. Thurston. (Three mimeographed pages.)
Fluorspar	4/19/46	NEW MEXICO Grant	Geologic report on the White Eagle fluorspar mine, Grant County, New Mexico.	Strategic Minerals Investigations, Preliminary Maps 3-199. Four maps (multilith): fig. 1. Index map showing the location of the White Eagle mine and other fluorspar deposits, northern part of Cook's Range, Grant County, New Mexico. pl. 1. Geologic map of the White Eagle fluorspar mine, Grant County, New Mexico. 1"-100'. pl. 2. Plan and vertical projection along main vein, White Eagle fluorspar mine, Grant County, New Mexico. 1"-100'. pl. 3. Cross sections through veins in plane of drill holes, White Eagle fluorspar mine, Grant County, New Mexico. 1"-100'.	Geology and topography by E. Gillerman and R. D. Trace. 1945. Report: Geologic report on the White Eagle fluorspar mine, Grant County, New Mexico. (Four mimeographed pages.)
Fluorspar iron	6/20/47	NEW MEXICO Lincoln	Map issued on Gallinas iron and fluorspar district, New Mexico.	Strategic Minerals Investigations, Preliminary Map 3-211. Photolith; price 30¢. Geologic and topographic map of the eastern Gallinas Mountains, Lincoln County, New Mexico. 1"- $\frac{1}{4}$ mile.	Geology by V. C. Kelley, 1946. Text: Geology and mineral deposits of the Gallinas district, Lincoln County, New Mexico. By V. C. Kelley, H. E. Rothrock, and R. G. Smalley. (Printed on map margin.)
Fluorspar	8/12/46	TEXAS Hudspeth	Preliminary study of the Rocky Ridge fluorspar deposits, Eagle Mountains, Hudspeth County, Texas.	Strategic Minerals Investigations, Preliminary Map 3-202. Four maps (multilith and blue-line prints): fig. 1. Map showing location of Spar Valley and Rocky Ridge fluorspar deposits, Eagle Mountains, Hudspeth County, Texas. pl. 1. Geologic map of the Rocky Ridge fluorspar deposits, Eagle Mountains, Hudspeth County, Texas. 1"-100' (approximately). pl. 2. Structure sections, Rocky Ridge fluorspar deposits, Eagle Mountains, Hudspeth County, Texas. 1"-100' (approximately). pl. 3. Sketch map showing location of fluorspar deposits in the Rocky Ridge area, Eagle Mountains, Hudspeth County, Texas. 1"-200' (approximately).	Deposits studied and mapped by E. Gillerman. 1945. Report: Preliminary report on the Rocky Ridge fluorspar deposits, Eagle Mountains, Hudspeth County, Texas. (Four mimeographed pages.)

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Fluorspar	1/20/47	TEXAS Hudspeth	Spar Valley fluorspar deposits of Texas studied.	<p>Strategic Minerals Investigations, Preliminary Report 3-204.                      12 maps (blue-line prints):</p> <p>fig. 1. Map showing location of Spar Valley and Rocky Ridge areas, Eagle Mountains, Hudspeth County, Texas.</p> <p>fig. 2. Claim map Spar Valley and vicinity, Eagle Mountains, Hudspeth County, Texas. 1"-1,000'</p> <p>pl. 1. Geologic map of Spar Valley and vicinity, Eagle Mountains, Hudspeth County, Texas, by H. E. Rothrock, E. Gillerman, and R. G. Smalley. 1944-45. 1"-100'.</p> <p>pl. 3. Structure sections, Spar Valley fluorspar deposits, Eagle Mountains, Hudspeth County, Texas. Geology by E. Gillerman. 1"-100'. 1945.</p> <p>pl. 4. Geologic map of the vicinity of shaft no. 1, Spar Valley fluorspar deposits, Eagle Mountains, Hudspeth County, Texas. Geology by H. E. Rothrock, E. Gillerman, and R. G. Smalley. 1"-20'. 3/1945.</p> <p>pl. 5. Underground workings, North ore body, Spar Valley fluorspar deposits, Eagle Mountains, Hudspeth County, Texas. Geology by A. E. Weissenborn, H. E. Rothrock, and E. Gillerman. 1"-20'. 1944.</p> <p>pl. 6. Structure sections A-A' to J-J' in vicinity of shaft no. 1., Spar Valley fluorspar deposits, Hudspeth County, Texas. Geology by E. Gillerman. 1"-20'. 9/1944.</p> <p>pl. 7. Underground workings, shaft no. 2, rhyolite vein, Spar Valley fluorspar deposits, Eagle Mountains, Hudspeth County, Texas. Geology by Rothrock and Gillerman. 1"-20'. 1944-45.</p> <p>pl. 8. Geologic map and structure section, Luckie Strike fluorspar deposits, Sec. 26., Eagle Mountains, Hudspeth County, Texas. Geology by H. E. Rothrock and E. Gillerman. 1"-20'. 6/1944.</p> <p>pl. 9. Geologic map of fluorspar deposits, sec. 27, Eagle Mountains, Hudspeth County, Texas. Geology and topography by E. Gillerman. 1"-20'. 3/1945.</p> <p>pl. 10. Geologic map of the Fox claim no. 4. fluorspar deposit, sec. 48, Eagle Mountains, Hudspeth County, Texas. Geology and topography by E. Gillerman. 1"-20'. 3/1945.</p>	<p>Report: Preliminary report on the Spar Valley fluorspar deposits, Eagle Mountains, Hudspeth County, Texas, by E. Gillerman. 7 pp.                      In cooperation with the U. S. Bureau of Mines.</p>

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Fuels Sheet 1

Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Asphalt	8/29/46	TEXAS Uvalde	Asphalt deposits in Uvalde County, Texas.	None.	Deposits studied and mapped by J. M. Gorman and R. C. Kobeck. 1945. Press notice placed a 10-page report, "Asphalt deposits near Uvalde, Uvalde County, Texas", and 5 maps in open file at Geological Survey offices, 4240 Federal Works Agency Building, Washington, D. C.; and the office of the Director, Bureau of Economic Geology, University of Texas, Austin, Texas.  Five maps (black-line prints) in open file: 1. Geologic map of asphalt deposits near Uvalde, Texas. 1"- $\frac{1}{2}$ " mile. 2. Section along A-A', Uvalde County, Texas. 1"- $\frac{1}{2}$ " mile. 3. Texas Rock Asphalt Company, Uvalde County, Texas. 1"-150'. 4. White Uvalde mines, Uvalde County, Texas. 1"-150'. 5. Gato Quarry, Uvalde Rock Asphalt Co., Uvalde County, Texas. 1"-150'.
Coal	10/2/46	GEORGIA Dade Walker	New map shows location and extent of coal deposits on Sand and Lookout Mountains, Georgia.	Coal Preliminary Map. Photolith; price 55¢. Coal deposits on Sand and Lookout Mountains, Dade and Walker Counties, Georgia. 1"-4,000'. 1946.	Geology by V. H. Johnson. Text: Coal deposits on Sand and Lookout Mountains, Dade and Walker Counties, Georgia. (Printed on same sheet with map).
Oil and gas		ALABAMA	See under <u>Florida</u> .		
Oil and gas	2/22/46	ALABAMA Green Pickens Tuscaloosa	New map will aid in correlating oil-bearing sands in Mississippi and Alabama.	Oil and Gas Investigations, Preliminary Map 50. Chromolith; price 60¢. Geologic map of the Eutaw quadrangle and portions of the Aliceville and Mantua quadrangles, Alabama, showing pre-Selma Upper Cretaceous formations, by D. H. Eargle, W. H. Monroe, and J. H. Morris. 1946. 1"-1 mile. Also columnar section.	Text: Stratigraphy of the pre-Selma Upper Cretaceous rocks in the Aubrey, Aliceville, Mantua, and Eutaw quadrangles, Alabama. (Printed on same sheet with map.) Prepared with the cooperation of the Geological Survey of Alabama, and the Department of Geology, University of Alabama.
Oil and gas	5/22/46	ALABAMA	Oil possibilities of Coastal Plain area in Alabama receiving attention.	Oil and Gas Investigations, Preliminary Map 45. Chromolith; price 40¢. Geologic map of the Tertiary formations of Alabama, by F. S. MacNeil. 1"-8 miles. 1946.	No text.
Oil and gas	5/24/46	ALABAMA Tuscaloosa MISSISSIPPI Neshoba	Oil-bearing formations in Mississippi traced into west-central Alabama.	Oil and Gas Investigations, Preliminary Chart 20. Photolith; price 30¢. Correlations of the pre-Selma Upper Cretaceous formations between Tuscaloosa County, Alabama, and Neshoba County, Mississippi, by D. H. Eargle. 1"-12 miles.	Text: Correlations of the pre-Selma Upper Cretaceous formations between Tuscaloosa County, Alabama, and Neshoba County, Mississippi. (Printed on same sheet with map.) Prepared in cooperation with the Geological Survey of Alabama and the Department of Geology, University of Alabama.
Oil and gas	6/13/46	ALABAMA TEXAS	Chart shows new correlation of outcropping Upper Cretaceous formations in Alabama and Texas.	Oil and Gas Investigations, Preliminary Chart 23. Photolith; price 20¢. Correlation of the outcropping Upper Cretaceous formations in Alabama and Texas, by W. H. Monroe. 1946.	Text: Correlation of the outcropping Upper Cretaceous formations of Alabama and Texas. (Printed on same sheet with map.)
Oil and gas	1/20/47	ALABAMA GEORGIA FLORIDA	Subsurface rocks in Alabama, Georgia, and north Florida surveyed.	Oil and Gas Investigations, Preliminary Chart 26. Photolith. Price 3 sheets 90¢. Regional subsurface stratigraphy and correlation of middle and early Upper Cretaceous rocks in Alabama, Georgia, and North Florida, by P. L. Applin and E.	Stratigraphy by P. L. Applin and E. R. Applin. Text: Regional subsurface stratigraphy structure and correlation of middle and early Upper Cretaceous rocks in Alabama, Georgia, and North Florida, by P. L. Applin and E. R. Applin. (Printed on sheet 3.)

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Fuels sheet 4

Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Oil and gas	3/29/47	MISSISSIPPI Hinds Madison Rankin	New map shows geology of the Jackson anticline, Mississippi.	Oil and Gas Investigations, Preliminary Map 65. Chromolith; price 50¢. Geologic map of the Jackson area, Mississippi. 1"-1 mile. 1947. Also index map and columnar section.	Geology by W. H. Monroe. Text: Geology of the outcropping formations in the Jackson area, Mississippi, by W. H. Monroe. (Printed on sheet with map.)
Oil and gas	3/7/46	MISSOURI KANSAS IOWA NEBRASKA	Results of study of subsurface geology will aid exploration for oil and gas in Forest City basin of Missouri, Kansas, Iowa, and Nebraska.	Oil and Gas Investigations, Preliminary Map 48. Photolith; price \$2.00 for set of 7 sheets. Structural development of the Forest City basin of Missouri, Kansas, Iowa, and Nebraska. 1"-12 miles (approximately). Sheet 1. Map of Forest City basin and adjacent areas showing thickness of rocks between top of pre-Cambrian rocks and base of St. Peter sandstone. Sheet 2. Map of Forest City basin and adjacent areas showing thickness of rocks between base of St. Peter sandstone and base of Devonian limestones. Also shows pre-Devonian areal geology. In color. Sheet 3. Map of Forest City basin and adjacent areas showing thickness of Devonian limestones. Sheet 4. Map of Forest City basin and adjacent areas showing thickness of rocks between base of Chattanooga shale and base of Mississippian limestones. Sheet 5. Map of Forest City basin and adjacent areas showing thickness of Mississippian limestones and pre-Pennsylvanian areal geology. In color. Sheet 6. Map of Forest City basin and adjacent areas showing thickness of rocks between base of Pennsylvanian and base of Hertha limestone. Sheet 7. Cross sections showing the progressive development of the structure of the Forest City basin and the Nemaha anticline.	Geology by W. Lee, J. G. Grohskopf, F. C. Greene, H. G. Hershey, S. E. Harris, Jr., and E. C. Reed (sheet 1-6); and W. Lee and T. Botinelly (sheet 7). Text by Wallace Lee: 1a. Purpose, auspices, and scope of investigation of structural development of the Forest City basin. 1b. Thickness of rocks between top of pre-Cambrian rocks and base of St. Peter sandstone in the Forest City basin. 2. Thickness of rocks between base of St. Peter sandstone and base of Devonian limestone in the Forest City basin. 3. Thickness of Devonian limestones in the Forest City basin. 4. Thickness of rocks between base of Chattanooga shale and base of Mississippian limestone in the Forest City basin. 5. Thickness of Mississippian limestones in the Forest City basin. 6. Thickness of rocks between base of Pennsylvanian and base of Hertha limestone in the Forest City basin. 7. Cross sections showing the progressive development of the structure of the Forest City basin and the Nemaha anticline. Prepared in cooperation with the Missouri Geological Survey and Water Resources, Geological Survey of Kansas, Nebraska Geological Survey, and the Iowa Geological Survey. Available for over-the-counter sale at Geological Survey offices at 234 Federal Building, Tulsa, Okla., and 314 Boston Building, Denver, Colo.
Oil and gas		MONTANA	See under <u>Wyoming</u> .		
Oil and gas	9/24/46	MONTANA central and northwest	Good reservoir rocks for oil and gas present in Devonian formations in part of Montana.	Oil and Gas Investigations, Preliminary Chart 25. Photolith; price 35¢. Devonian stratigraphy of central and northwestern Montana, by L. L. Sloss and W. M. Laird, 1946. 1. Columnar sections showing correlations of Devonian rocks from northwestern to central Montana. 2. Isometric diagram showing relationships of Devonian strata in central and northwestern Montana. 3. Map showing locations of stratigraphic sections represented by columnar sections and isometric diagram.	Text: Devonian stratigraphy of central and northwestern Montana, by L. L. Sloss and W. M. Laird. (Printed on same sheet with map.) Prepared in cooperation with the Montana Bureau of Mines and Geology. Available for over-the-counter sale at Geological Survey offices at 303 N. 27th St., Billings, Mont.; 305 Federal Building, Casper, Wyo.; 314 Boston Building, Denver, Colo.; and 234 Federal Building, Tulsa, Okla.

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Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Oil and gas		NEBRASKA		See under <u>Missouri</u> .	
Oil and gas	2/21/46	NEW MEXICO Guadalupe	Oil and gas possibilities and asphalt deposits in north-central Guadalupe County, New Mexico.	Oil and Gas Investigations, Preliminary Map 44. Chromolith; price 60¢. Geology and asphalt deposits of north-central Guadalupe County, New Mexico. 1946. 1"-1 mile. fig. 1. Geologic map of north-central Guadalupe County, New Mexico. fig. 2. Structure section. fig. 3. Detailed map of New Mexico Construction Co., Inc. fig. 4. Diagram showing percentages of asphalt in borings near New Mexico Construction Company quarries.	Area studied and mapped by J. M. Gorman and R. C. Robeck. 1944. Text: Geology and asphalt deposits of north-central Guadalupe County, New Mexico, by J. M. Gorman and R. C. Robeck. (Printed on same sheet with map). Map on sale at Geological Survey offices at Denver, Colorado, and Tulsa, Oklahoma.
Oil and gas	3/29/46	NEW MEXICO Bernalillo Socorro Valencia	Pennsylvania rocks have oil possibilities in Acoma and southern San Juan Basins, New Mexico.	Oil and Gas Investigations, Preliminary Map 47. Chromolith; price 60¢. Lucero uplift, Valencia, Socorro, and Bernalillo Counties, New Mexico. 1"-1 mile. 1946. Also columnar sections.	Geology by V. C. Kelley and G. H. Wood. 1944-45. Text: Geology of the Lucero uplift. (Printed on same sheet with map.) Available for over-the-counter sale at Geological Survey offices at 314 Boston Building, Denver, Colo., and 234 Federal Building, Tulsa, Okla.
Oil and gas	8/15/46	NEW MEXICO Sandoval Rio Arriba	Tertiary formations correlated on eastern side of San Juan Basin, Sandoval and Rio Arriba Counties, New Mexico.	Oil and Gas Investigations, Preliminary Chart 24. Photolith; price 35¢. Stratigraphic relations of Eocene, Paleocene, and latest Cretaceous formations of eastern side of San Juan Basin, New Mexico, by C. H. Dane. 1946. 1. Index map showing location of the area. 2. Generalized geologic map of eastern side of San Juan Basin, New Mexico. Shows outcrop of formations of latest Upper Cretaceous, Paleocene, and Eocene age. 1"-4 miles. 3. Sections of the upper part of the Lewis shale and overlying formations from Cuba to Mud Springs Ranger Station. Vertical scale: 1"-100'. 4. Sections of the upper part of the Lewis shale and overlying formations from Stinking Lake to Rio Navajo. Vertical scale: 1"-100'. 5. Diagram showing inferred stratigraphic relations of Lewis shale and younger rocks on eastern side of San Juan Basin from T. 19 N., R. north to Colorado-New Mexico line. 1"-5 miles. (Vertical exaggeration about 25 times.)	Text: Eocene, Paleocene, and latest Cretaceous formations of the eastern side of San Juan Basin, New Mexico, by C. H. Dane. (Printed on same sheet with map.) Available for over-the-counter sale at Geological Survey offices at 314 Boston Building, Tulsa, Okla.

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Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Oil and gas	8/30/46	NEW MEXICO Mora San Miguel	Buried Pennsylvanian and Permian basin in San Miguel and Mora Counties, New Mexico, has good oil possibilities.	Oil and Gas Investigations, Preliminary Map 54. Chromolith; price 60¢. Geologic maps of a part of the Las Vegas Basin and of the foothills of the Sangre de Cristo Mountains, San Miguel and Mora Counties, New Mexico, by S. A. Northrop, H. H. Sullwold, Jr., A. S. MacAlpin, and C. P. Rovers, Jr. 1946. Also stratigraphic column.	Text: Geology and oil and gas possibilities of the Pennsylvanian and Permian rocks in portions of San Miguel and Mora Counties, New Mexico. Printed on same sheet with map. Prepared with the cooperation of the Department of Geology, University of New Mexico. Available for over-the-counter sale at Geological Survey offices at 314 Boston Building, Denver, Colo., and 234 Federal Building, Tulsa, Okla.
Oil and gas	9/13/46	NEW MEXICO Sandoval Rio Arriba	Eastern part of the San Juan Basin in Sandoval and Rio Arriba Counties, New Mexico, has good oil possibilities.	Oil and Gas Investigations, Preliminary Map 57. Chromolith; price 60¢. Geology of Nacimiento Mountains, San Pedro Mountain, and adjacent plateaus in parts of Sandoval and Rio Arriba Counties, New Mexico, by G. H. Wood and S. A. Northrop. 1"-1.5 miles (approximately). Also index map, graphic sections, and structure sections.	Stratigraphy and paleontology by S. A. Northrop and G. H. Wood. Text: Geology of the Nacimiento and San Pedro Mountains and adjacent plateaus. (Printed on same sheet with map.) Prepared with the cooperation of the Department of Geology, University of New Mexico. Available for over-the-counter sale at Geological Survey offices at 314 Boston Building, Denver, Colo., and 234 Federal Building, Tulsa, Okla.
Oil and gas	11/26/46	NEW MEXICO Valencia Torrance Socorro	Possible stratigraphic traps for oil in west-central New Mexico.	Oil and Gas Investigations, Preliminary Map 61. Chromolith; price 65¢. Geologic map and stratigraphic sections of Paleozoic rocks of Joyita Hills, Los Pinos Mountains, and northern Chupadera Mesa, Valencia, Torrance, and Socorro Counties, New Mexico. 1"-1 mile. 1946. Also index map and graphic sections.	Geology by R. H. Wilpolt, A. J. MacAlpin, R. L. Bates, and Georges Vorbe, 1945. Text: Geology of the La Joya area, Los Pinos Mountains, and northern Chupadera Mesa. Printed on same sheet with map. Prepared in cooperation with the New Mexico State Bureau of Mines and Mineral Resources. Available for over-the-counter sale at Geological Survey offices at 314 Boston Building, Denver, Colo.; and 234 Federal Building, Tulsa, Okla.
Oil and gas	2/11/47	NEW MEXICO Quay	Oil possibilities in Quay County, New Mexico, studied.	Oil and Gas Investigations, Preliminary Map 62. Chromolith; price 75¢ for set of 2 sheets. Geology of northwestern Quay County, New Mexico. 1947. Sheet 1. Geologic map and stratigraphic sections of Mesozoic rocks, by E. Dobrovolsky and C. H. Summerson. 1"-1 mile. fig. 1. Graphic sections of Mesozoic formations. fig. 2. Map showing convergence of Upper Triassic and Lower Cretaceous strata. Sheet 2. Subsurface geology, by R. I. Bates. fig. 1. Graphic sections showing correlation of Permian and Pennsylvanian strata that underlie western Quay and adjacent portions of San Miguel Counties. fig. 2. Graphic sections showing correlation of Permian and Pennsylvanian strata that underlie north-central Quay and adjacent portions of San Miguel Counties. fig. 3. Graphic sections showing correlation of Permian and Pennsylvanian strata that underlie southern Quay County, New Mexico, and adjacent portions of Deaf Smith County, Texas. fig. 4. Diagram showing regional correlations and stratigraphic relationships of Paleozoic rocks in eastern New Mexico. fig. 5. Map of parts of Quay, San Miguel, and Curry Counties, New Mexico, showing drill holes and locations of graphic sections shown in figures 1-4.	Text: Geology of northwest Quay County, New Mexico. (Text on sheet 2.) Map prepared in cooperation with the New Mexico Bureau of Mines and Mineral Resources. Available from the Director, Geological Survey, Washington 25, D. C., and on sale at Room 314 Boston Building, Denver, Colo.; 828 17th Street, Denver, Colo.; and Room 234 Federal Building, Tulsa, Okla.

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Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Oil and gas		NEW YORK	See under <u>Ohio</u> .		
Oil and gas		OHIO	See under <u>West Virginia</u> .		
Oil and gas	3/1/46	OHIO PENNSYLVANIA VIRGINIA Appalachian Basin	New method of locating stratigraphic traps for oil and gas in Appalachian Basin suggested.	None.	Stratigraphy by G. Rittenhouse and E. Cather. Report: The texture of Mississippian, Upper Devonian, and lower Pennsylvanian sandstones in the Appalachian Basin, by G. Rittenhouse and E. Cather. (Thirteen mimeographed pages.)
Oil and gas	3/20/46	OHIO Jefferson Columbiana Mahoning Trumbull Ashtabula PENNSYLVANIA Allegheny Armstrong Beaver Butler Clarion Crawford Indiana Lawrence Mercer West Moreland Venango WEST VIRGINIA Brooke Hancock	New areas of oil and gas production may be found in northeastern Ohio and western Pennsylvania.	Oil and Gas Investigations, Preliminary Map 49. Chromolith; price 60¢. Map of the Berea and Murrsville sands of northeastern Ohio, western Pennsylvania, and northernmost West Virginia. Shows thickness of the sands and oil and gas pools in the sands, by D. F. Desmarest. 1946. 1" - 3 miles (approximately).	Text: The Berea and Murrsville sands of northeastern Ohio, western Pennsylvania, and northernmost West Virginia. (Printed on same sheet with map.) Prepared in cooperation with the Geological Survey of Ohio, the Pennsylvania Topographic and Geologic Survey, and the West Virginia Geological Survey.
Oil and gas	4/4/46	OHIO Ashtabula Cuyahoga Geauga Lake Portage Summit Trumbull PENNSYLVANIA Crawford Mercer Rie Venango Warren	New correlation of sandstones will aid oil and gas search in northeastern Ohio and northwestern Pennsylvania.	Oil and Gas Investigations, Preliminary Chart 21. Chromolith; price 40¢. The stratigraphic relationship of the Berea, Cerry, and Cussewago sandstones in northeastern Ohio and northwestern Pennsylvania, by W. de Witt, Jr., 1946. 1" - 3 miles (approximately). 1. Outcrop map of the Berea sandstone, and the graphic siltstone layer in the base of the Orangeville shale. 2. Stratigraphic sections from Deans Gully, Cuyahoga County, Ohio, to Spartansburg, Crawford County, Pennsylvania. 3. A table of numbered sections shown in figure 1. 4. Sections of the Berea sandstone in northeastern Ohio.	Field work 1944-45. Text: The stratigraphic relationship of the Berea, Cerry, and Cussewago sandstones in northeastern Ohio and northwestern Pennsylvania. (Printed on same sheet with map). Prepared with the cooperation of the Geological Survey of Ohio and the Pennsylvania Topographic and Geologic Survey.
Oil and gas	8/28/46	OHIO PENNSYLVANIA WEST VIRGINIA NEW YORK MICHIGAN Appalachian Basin	Texture of reservoir rock provides clue to oil and gas occurrence in Appalachian Basin.	None.	The texture of Paleozoic sandstones and sandy limestones in the Appalachian Basin, by G. Rittenhouse and E. Cather. (12 pages, mimeographed.) Supplements earlier report "The texture of Mississippian, Upper Devonian, and lower Pennsylvanian sandstone in the Appalachian Basin" by the same authors.



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Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Oil and gas	12/5/46	OHIO Adams Callia Lawrence Scioto KENTUCKY Boyd Breathitt Carter Elliot Floyd Greenup Johnson Knott Lawrence Lewis Magoffin Martin Morgan Perry Rowan Wolfe Pike WEST VIRGINIA Boone Cabell Kanawha Lincoln Logan Mason Mingo Putnam Wayne Wyoming	Study oil and gas possibilities of Berea sand in three states.	Oil and Gas Investigations, Preliminary Map 69. Chromolith; price 60¢. Map of the Berea sand of southern Ohio, eastern Kentucky, and southwestern West Virginia. 1"-3 miles (approximately). 1946.	Geology by J. F. Pepper, D. F. Demarest, C. W. Merrels, 2d, and W. de Witt, Jr. Text: The Berea sand of southern Ohio, eastern Kentucky, and southwestern West Virginia. (Printed on same sheet with map.) Prepared in cooperation with the Kentucky Department of Mines and Minerals, the Geological Survey of Ohio, and the West Virginia Geological Survey.
Oil and gas	9/2/47	OHIO southeastern WEST VIRGINIA western	Map of Berea oil and gas sands of Ohio and West Virginia released.	Oil and Gas Investigations, Preliminary Map 79. Chromolith; price 60¢. Map of the First and Second Berea sands of southeastern Ohio and western West Virginia, by J. F. Pepper, D. F. Demarest, W. de Witt, Jr., P. Averitt, H. H. Gray, H. H. Mead, R. D. Holt, and C. W. Merrels, 2d. 1"-3 miles (approximately). 1947.	Text: The First and Second Berea sands of southeastern Ohio and western West Virginia, by W. de Witt, Jr. (On same sheet with map.) Prepared in cooperation with the Geological Survey of Ohio and the West Virginia Geological Survey.
Oil and gas	5/24/46	OKLAHOMA northeastern KANSAS southeastern	New clues to prospecting for oil and gas pools in Arbuckle group of northeastern Oklahoma and southeastern Kansas.	Oil and Gas Investigations, Preliminary Map 52. Chromolith; price 60¢. Maps of northeastern Oklahoma and parts of adjacent states showing the thickness and subsurface distribution of Lower Ordovician and Upper Cambrian rocks below the Simpson group, by H. A. Ireland assisted by J. H. Warren. 1"-8 miles. 1946. Also stratigraphic column.	Text: Subsurface distribution and thickness of Arbuckle group and older rocks in northeastern Oklahoma and parts of adjacent states, by H. A. Ireland. (Printed on same sheet with map.) Prepared in cooperation with the Oklahoma Geological Survey. Available for over-the-counter sale at Geological Survey offices at 234 Federal Building, Tulsa, Okla., and 314 Boston Building, Denver, Colo.
Oil and gas	4/30/47	OKLAHOMA Atoka Pittsburg Latimer Pushmataha	New map issued of western part of Ouachita Mountains, Oklahoma.	Oil and Gas Investigations, Preliminary Map 66. Photolith; price set of 3 sheets \$1.00. Geology of the western part of the Ouachita Mountains of Oklahoma. 1"-2/3 mile (approximately). 1947. Sheet 1 by T. A. Hendricks, L. S. Cardner, and M. N. Knechtel; sheet 2 by T. A. Hendricks and P. Averitt; sheet 3 by T. A. Hendricks. Sheets 1 and 2 show the areal geology of the region on two maps; sheet 2 includes also a small-scale map showing the faults and 5 structural blocks bounded by the principal faults. On sheet 3 three geologic cross sections present the hypothetical structure of the rocks to a depth of more than 10 miles.	Text: Geology of the western part of the Ouachita Mountains in Oklahoma, by T. A. Hendricks. (Printed on sheet 1.) Map on sale at Geological Survey offices at Denver, Colo., and Tulsa, Okla.

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Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Oil and gas		PENNSYLVANIA	See under <u>Ohio, West Virginia</u> .		
Oil and gas		TEXAS	See under <u>Alabama</u> .		
Oil and gas	4/11/46	UTAH Emery Garfield Wayne	New geologic map of Green River Desert-Cataract Canyon region of south-eastern Utah.	Oil and Gas Investigations, Preliminary Map 55. Photolith; price 40¢. Areal geologic map of Green River Desert-Cataract Canyon region, Emery, Wayne, and Garfield Counties, Utah. 1"-2 miles. 1946. Also index map.	Deposits studied and mapped by A. A. Baker; 1930-31. No text. Available for over-the-counter sale at Geological Survey offices at 314 Boston Building, Denver, Colo; and 234 Federal Building, Tulsa, Okla.
Oil and gas	8/12/46	UTAH Uintah	Graphic section of Morgan formation at Split Mountain in Dinosaur National Monument, Uintah County, Utah.	Graphic representation of the Morgan formation and adjacent beds in the SW $\frac{1}{4}$ sec. 9, and the NW $\frac{1}{4}$ sec. 16, T. 4 S., R. 24 E., Uintah County, Utah, by F. T. McCann, N. D. Raman, and L. G. Henbest. 1946.	Text: Section of Morgan formation, Pennsylvanian, at Split Mountain in Dinosaur National Monument, Uintah County, Utah. (Eighteen mimeographed pages.)
Oil and gas	9/3/47	UTAH Wasatch Duchesne	New map will aid oil prospecting in Uinta Basin, Utah.	Oil and Gas Investigations, Preliminary Map 75. Chromolith; price 60¢. Geologic map of Duchesne River area, Wasatch and Duchesne Counties, Utah, by J. W. Huddle and F. T. McCann. 1"-1 mile. 1947. Also columnar section, a key map, and an index map.	Field work done in 1945. Text: Pre-Tertiary geology of the Duchesne River area, Duchesne and Wasatch Counties, Utah, by J. W. Huddle and F. T. McCann. (Printed on same sheet with map.) Map prepared in cooperation with the University of Utah. Map available from the Director, U. S. Geological Survey, Washington 25, D. C.; Room 303, Federal Building, Salt Lake City, Utah; Room 230, New Customhouse, Denver, Colo; Room 234 Federal Building, Tulsa, Okla.; and Room 305, Federal Building, Casper, Wyo.
Oil and gas	11/6/47	UTAH Utah	Chart shows geology of the west side of Uinta Basin, Utah.	Oil and Gas Investigations, Preliminary Chart 30. Photolith; price 50¢. Stratigraphy of the Wasatch Mountains in the vicinity of Provo, Utah, by A. A. Baker. 1"-500'. 1947. fig. 1. Slate Canyon. fig. 2. Rock Canyon. fig. 3. Bridal Veil Falls and south fork of Provo. fig. 4. Ridge south of Round Valley to Little Hobbie. fig. 5. Right fork of Hobbie Creek. fig. 6. Spanish Fork between Diamond Fork and Thistle. fig. 7. Monk's Hollow. fig. 8. American Fork between Baker Fork and Dry Fork. fig. 9. West side Pine Canyon. fig. 10. East side Dry Fork two miles above mouth. fig. 11. Spur northeast of mouth of Baker Fork. fig. 12. Headwater of Faucett Canyon. fig. 13. Scotts Draw to Deer Creek. Also index map.	Field work in 1937-40. Text: Stratigraphy of the Wasatch Mountains in the vicinity of Provo, Utah. (Printed on same sheet with chart). Map available from the Director, Geological Survey, Washington 25, D. C. and 230 New Customhouse, Denver, Colo; 305 Federal Building, Casper, Wyoming; 303 Federal Building, Salt Lake City, Utah; and 234 Federal Building, Tulsa, Okla.

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Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Oil and gas	12/24/47	UTAH Uintah	New geologic map of Uinta Mountains, Utah, released.	Oil and Gas Investigations, Preliminary Map 82. Chromolith; price 60¢. Geology of the Whiterocks River- Ashley Creek area, Uintah County, Utah, by D. M. Kinney and J. F. Rominger. 1"-1 mile. 1947. Also columnar sections, thickness diagrams, and index map.	Geology by D. M. Kinney and J. F. Rominger, 1945-46. Text: Pre-Tertiary geology of the Whiterocks River-Ashley Creek area, Uintah County, Utah, by D. M. Kinney and J. F. Rominger. Prepared in cooperation with the University of Utah. Map available from the Director, U. S. Geological Survey, Washington 25, D. C.; and on sale at 303 Federal Building, Salt Lake City, Utah; 230 New Customhouse, Denver, Colo.; 234 Federal Building, Tulsa, Okla.; and 305 Federal Building, Casper, Wyo.
Oil and gas		VIRGINIA	See under <u>Ohio</u> .		
Oil and gas	10/19/47	VIRGINIA Lee	Virginia's first oil field mapped.	Oil and Gas Investigations, Preliminary Map 76. Chromolith. Price 2 sheets \$1.00. Geologic and structure contour maps of the Rose Hill oil field, Lee County, Virginia, by R. L. Miller and J. O. Fuller. 1947. Sheet 1 is a geologic map showing contacts of formations, outlines of fensters, surface traces of faults, and locations of oil- test wells; also drainage and cultural features, geologic formations, and the structure of the base of the Pine Mountains fault plane. 1"- $\frac{1}{4}$ mile. Also a columnar section, 6 structure sections, 2 key maps showing structural relations, and a small-scale cross section of the entire Cumberland over- thrust block. Sheet 2 is a geologic map with structure contours drawn on top of the producing formation. Also on this sheet are a sec- tion showing interpretation of the records of important wells in Lee County and a table giving available details about oil test drilled in Lee County.	Field work done in 1945-47. Text: Structure and oil geology of the Rose Hill oil field by R. L. Miller. (Printed on sheet 2.)
Oil and gas		WEST VIRGINIA	See under <u>Ohio</u> .		
Oil and gas	7/3/46	WEST VIRGINIA OHIO PENNSYLVANIA	Several types of Berea sand in- fluence oil and gas accumulation in West Virginia, eastern Ohio, and western Pennsyl- vania.	Oil and Gas Investigations, Preliminary Map 58. Photolith; price 20¢. Map showing distribution of sev- eral types of Berea sand in West Virginia, eastern Ohio, and western Pennsylvania, by G. Rittenhouse. 1946. 1"-16 miles.	Text: The distribution of several types of Berea sand in West Virginia, eastern Ohio, and western Pennsylvania, by G. Rittenhouse. (Printed on same sheet with map.) Prepared with the cooperation of the Geological Survey of Ohio, the Pennsylvania Topo- graphic and Geologic Survey, West Virginia Geological Survey, and the Kentucky Geological Survey.

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Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Oil and gas	7/3/46	WEST VIRGINIA southern	New map shows thickness of Berea sand in southern West Virginia and extent of oil and gas pools in the same.	Oil and Gas Investigations, Preliminary Map 59. Chromolith; price 50¢. Map of the Berea sand in southern West Virginia, by W. Merrels, 2d. 1"-3 miles. 1946.	Text: The Berea sand of southern West Virginia, by J. F. Pepper and W. de Witt, Jr. (Printed on same sheet with map.) Prepared with the cooperation of the West Virginia Geological Survey.
Oil and gas	2/21/46	WYOMING Fremont Natrona	Oil possibilities indicated by map of eastern part of Wind River basin, Wyoming.	Oil and Gas Investigations, Preliminary Map 51. Photolith; price 50¢. Geologic map of the southeastern part of the Wind River basin and adjacent areas in central Wyoming. 1"-2 miles. 1946. Also stratigraphic section and index map.	Area surveyed and mapped by C. J. Hares, W. Ball, S. St. Clair, J. B. Reeside, Jr., K. C. Heald, A. C. Collins. 1913-14. No text. Available for over-the-counter sale at Geological Survey offices at 305 Federal Building, Casper, Wyo.; 314 Boston Building, Denver, Colo.; and 234 Federal Building, Tulsa, Okla.
Oil and gas	4/9/46	WYOMING Fremont	Sage Creek dome, western Wyoming, has possibilities for oil production.	Oil and Gas Investigations, Preliminary Map 53. Chromolith; price 50¢. Geologic and structure contour map of Sage Creek dome, Fremont County, Wyoming. 1"-1 mile. 1946. Also stratigraphic section and index map.	Geology by H. H. R. Sharkey, A. D. Zapp, and C. O. Johnson. 1944. Text: Geology and oil possibilities of the Sage Creek dome, Fremont County, Wyoming, by H. H. R. Sharkey. (Printed on same sheet with map.) Prepared in cooperation with the Geological Survey of Wyoming and the Department of Geology, University of Wyoming. Available for over-the-counter sale at Geological Survey offices at 305 Federal Building, Casper, Wyo.; 314 Boston Building, Denver, Colo.; and 234 Federal Building, Tulsa, Okla.
Oil and gas	6/24/46	WYOMING Fremont	Oil and gas possibilities of Bargee area, Fremont County, Wyoming.	Oil and Gas Investigations, Preliminary Map 56. Chromolith; price 40¢. Geology of the Bargee area, Fremont County, Wyoming, by M. D. Williams and H. H. R. Sharkey. 1946. 1"-2,000'. Also stratigraphic section.	Text: Geology of the Bargee area, Fremont County, Wyoming. (Printed on same sheet with map.) Prepared in cooperation with the Geological Survey of Wyoming and the Department of Geology, University of Wyoming. Available for over-the-counter sale at Geological Survey offices at 305 Federal Building, Casper, Wyo.; 314 Boston Building, Denver, Colo.; and 234 Federal Building, Tulsa, Okla.
Oil and gas	8/6/46	WYOMING Fremont	Geologic map of southern part of Wind River basin, Wyoming.	Oil and Gas Investigations, Preliminary Map 60. Multilith; price 30¢. Geologic map of the southern part of the Wind River basin and adjacent areas in central Wyoming. 1"-2 miles. 1946. Also stratigraphic section and index map.	Geology by C. J. Hares, M. W. Ball, S. St. Clair, J. B. Reeside, Jr., K. C. Heald, and A. C. Collins. 1913-14. No text. Available for over-the-counter sale at Geological Survey offices at 305 Federal Building, Casper, Wyo.; 314 Boston Building, Denver, Colo.; and 234 Federal Building, Tulsa, Okla.

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Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Oil and gas	9/23/46	WYOMING Fremont Hot Springs Natrona Washakie	Northeastern part of Wind River basin, Wyoming, has good possibilities for new discoveries of oil and gas.	Oil and Gas Investigations, Preliminary Chart 22. Photolith; price 40¢. Tertiary stratigraphy in the northeastern part of the River basin, Wyoming, by H. A. Tourtelot and H. L. Nace. 1946. 1. Stratigraphic sections of Tertiary rocks in the northeastern part of the Wind River basin, Wyoming. 1"-50'. 2. Reconnaissance geologic map of the northeastern part of the Wind River basin, Wyoming. 1"-4 miles. 3. Index map of Wyoming show- ing location of area described in this report. 4. Sketch map showing relation of described area to the Wind River basin and surrounding mountains. 1"-25 miles.	Text: Tertiary stratigraphy and its bearing on oil and gas possibilities in the northeastern part of the Wind River basin, Wyoming, by H. A. Tourtelot. (Printed on map margin.) Prepared with the cooperation of the Geological Survey of Wyoming and the Department of Geology, University of Wyoming. Available for over-the-counter sale at Geological Survey offices at Federal Building, Casper, Wyo.; 314 Boston Building, Den- ver, Colo.; and 234 Federal Building, Tulsa, Okla.
Oil and gas	4/22/47	WYOMING Jackson Teton	New geologic report on Jackson Hole area, Wyoming, issued.	Oil and Gas Investigations, Preliminary Chart 27. Photolith; price 60¢. The Tertiary stratigraphy of the Jackson Hole area, northwestern Wyoming, by J. D. Love. 1947. Also 14 columnar sections.	Geology studied and mapped by J. D. Love, 1945. Text: The Tertiary strati- graphy and its bearing on oil and gas possibilities in the Jackson Hole area, northwestern Wyoming. (Printed on same sheet with chart.) Map prepared in cooperation with the Geological Survey of Wyoming and the Department of Geology, University of Wyoming. Map available from Geological Survey offices at 315 Federal Building, Casper, Wyo.; 231 New Customhouse, Denver, Colo.
Oil and gas	6/13/47	WYOMING Big Horn Hot Springs Park Washakie MONTANA Carbon	New map released on Bighorn Basin, Wyoming, Montana.	Oil and Gas Investigations, Preliminary Map 74. Chromolith; price 50¢. Structure-contour map of the Bighorn Basin, Wyoming and Montana, by W. G. Pierce, D. A. Andrews, and J. K. Kercher. 1"-3 miles. 1947. Inset map shows relation of oil and gas fields to regional geology and for each field in- dicates the age of the princi- pal productive formations, the name and depth of the old- est producing formation, and the oldest formation tested or penetrated. Also index map.	No text. On sale at Geological Survey, Washington, D. C.; 305 Federal Building, Casper, Wyo.; 234 Federal Building, Tulsa, Okla.; 314 Boston Building, 828 17th Street, Denver, Colo.; and 303 North 27th Street, Billings, Mont.
Oil and gas	7/31/47	WYOMING Big Horn Hot Springs Park Washakie MONTANA Carbon	New geologic map released on Big- horn Basin, Wyo- ming and Montana.	Oil and Gas Investigations, Preliminary Map 71. Photolith; price 50¢. Geologic map of the Bighorn Basin, Wyoming and Montana, showing terrace deposits and physiographic features. 1"-2 miles. 1947.	No text. Field work begun in 1935. Geology by D. A. Andrews, W. G. Pierce, and D. H. Eargle. Prepared as part of the In- terior Department's program for the development of the Missouri River Basin. On sale at Geological Survey offices at Casper, Wyo., Denver, Colo., and Billings, Mont.

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Geophysics		ALASKA	See under Michigan.		
Geophysics	6/6/47	INDIANA Lake Newton Jasper Pulaski White	Indiana locality mapped with air-borne magnetometer.	None.	No text. Press release placed 2 maps "Geophysical Investigations 4 and 4a" by W. J. Dempsey, M. E. Hill, and J. R. Henderson, in open file at the Office of the State Geologist, Indianapolis, Indiana; Office of the Oil and Gas Supervisor, Indiana Department of Conservation, Indianapolis, Ind.; U. S. Geological Survey, Rooms G-232 and 1033 (Library), Federal Works Agency Building, Washington, D. C. 2 sheets (black-line prints) in open file: 4. Aeromagnetic map of part of northwestern Indiana showing anomalies in total intensity. 1"-2 miles. 1947. Also index map. 4a. Aeromagnetic map of part of northwestern Indiana showing residual anomalies in total intensity. 1"-2 miles. 1947. Also index map.
Geophysics		KANSAS	See under <u>Oklahoma</u> .		
Geophysics	7/3/46	MICHIGAN Iron OKLAHOMA ALASKA	Geological Survey issues airborne magnetometer report.	Geophysical Investigations, Preliminary Map no. 3a. Multilith; free. 1. Map of part of Iron County, Michigan, showing part of area of aeromagnetic survey and magnetic trend lines. 1"-2.3 miles (approximately). 2. Magnetic maps from ground and airborne surveys of the Mangum, Oklahoma, area. 1"-1 mile. 3. Preliminary map showing total magnetic intensity in part of Naval Petroleum Reserve No. 4, Alaska. 1"-12 miles (approximately).	Data compiled and maps drawn by J. R. Balsley; 1946. No. 3-The Airborne Magnetometer. (Eight mimeographed pages.) Prepared in cooperation with the Office of Naval Petroleum and Oil Shale Reserves.
Geophysics		MISSOURI	See under <u>Oklahoma</u> .		
Geophysics	5/8/47	MISSOURI Crawford Washington St. Francois	Aeromagnetic map of Crawford, Washington, and St. Francois Counties, Missouri.	None.	No text. Press notice placed in open file Geophysical Investigation No. 6, "Aeromagnetic map of parts of Crawford, Washington, and St. Francois Counties, Mo., showing total intensity anomalies", by F. Keller, Jr., and J. R. Henderson. 1"-1 mile. 1947. Also index map.  The map may be inspected by interested persons at the Office of the State Geologist of Missouri, Rolla, Mo.; U. S. Geological Survey Library and Room G-232, Federal Works Agency Building, Washington, D. C.; the Office of the District Engineer, U. S. Geological Survey, Room 211 Ramsey Building, Rolla, Mo.; the Office of the Secretary, Tri-State Zinc and Lead Ore Producers Association, Picher, Okla.
Geophysics	7/2/46	NEW YORK St. Lawrence	Aeromagnetic survey at three levels over Benson mines, St. Lawrence County, New York.	Geophysical Investigations, Preliminary Map No. 2. Photolith; price 35¢. Aeromagnetic survey at three levels over Benson mines, St. Lawrence County, New York. 1"-½ mile.	Data compiled and maps drawn by H. E. Hawkes, M. E. Hill, and J. L. Meuschke; 1945-46.

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Geophysics		OKLAHOMA	See under <u>Michigan</u> .		
Geophysics	5/8/47	OKLAHOMA KANSAS MISSOURI	Aeromagnetic map of part of Tri-State mining district.	None.	No text. Press notice placed in open file Geophysical Investigation No. 7, "Aeromagnetic map of part of Tri-State mining district, showing total intensity anomalies" by F. Keller, Jr., and J. R. Henderson. Black-line print. 1"-1 mile. 1947. In open file at the Offices of the State Geologist of Oklahoma, Kansas, and Missouri; at the Divisional Office of the U. S. Bureau of Mines, Rolla, Mo.; U. S. Geological Library and Room G-232, Federal Works Agency, Washington, D. C.; Office of the Secretary, Tri-State Zinc and Lead Ore Producers Association, Picher, Okla.
Gold-silver-lead	6/23/47	COLORADO Ouray	Geologic map of American Nettie and Wanakah mines and Seaburg Tunnel workings, Uncompahgre (Ouray) district, Ouray County, Colorado.	Strategic Minerals Investigations, Preliminary Map 3-217. Van dyke; no charge. Geologic map and cross sections of the American Nettie and Wanakah mines, and the Seaburg Tunnel workings, Uncompahgre (Ouray) district, Ouray County, Colorado. 2 sheets. 1. Mine plan and longitudinal sections of the Bachelor Consolidated, Pony Express, and Neodesha properties, Uncompahgre district, Ouray County, Colo. Geology by W. S. Burbank and M. G. Barclay. 1930-35. 1"-200'. 2. Geologic map and cross sections of the American Nettie and Wanakah mines, and the Seaburg Tunnel workings. Geology by W. S. Burbank and M. G. Barclay. 1930-35. 1"-200'.	No text. Field work by W. S. Burbank and M. G. Barclay, 1930-35. Available from the Director, 300-302 New Customhouse, Denver, Colo.
Gold-silver	7/29/47	NEVADA Churchill	Report released on mining districts in Carson Sink region, Nevada.	None.	Press release placed a 523-page report, "Mining districts in the Carson Sink region, Nevada" and more than 100 maps and other illustrations by F. Schrader in open file. The report consists of a discussion of the general geology of the region, and of more detailed discussions of the geology and mineral deposits of the mining districts of Wonder, Fairview, Chalk Mountain, Gold Basin, Bell Mountain, Broken Hills, Quartz Mountain, Rawhide, Eagleville (Hot Springs), King, Rand, Holy Cross (Terrell), Benway, Sand Springs, Mountain Well (La Plata) Job Peak, Lees Canyon, ILL, Cox Canyon, Shady Run, Fondaway Canyon, White Cloud Canyon, Copper Kettle Canyon, Cottonwood Canyon, Marvel, Jessup, Bernice, and Alpine. The illustrations include index, geologic, topographic, and other maps and photographs. In open file at the Nevada School of Mines, Reno, Nevada.
Gypsum	1/14/47	ALASKA Chicagof Island	Gypsum deposits near Iyoukeen Cove, Alaska, studied.	4 maps (multilith): 1. Index map of northeastern Chicagof Island, southeastern Alaska. 2. Map of Iyoukeen Cove area, Chicagof Island, southeastern Alaska. Geology and topography by G. M. Flint, Jr., E. H. Cobb, and D. R. Olsen. 1"-100'. 1946. 3. Topography and geologic map of Gypsum-Camel property and vicinity, Iyoukeen Cove, Chicagof Island, southeastern Alaska. Geology by G. M. Flint and E. H. Cobb. 1"-200'. 1946. 4. Geologic map, main workings, Gypsum-Camel property, Iyoukeen Cove, Chicagof Island, southeastern Alaska. By G. M. Flint and E. H. Cobb. 1"-20'. 1946.	Report: Preliminary report on the gypsum deposits near Iyoukeen Cove, Chicagof Island, southeastern Alaska, by G. M. Flint, Jr., and E. H. Cobb. 5 pp.

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Iron sheet 1

Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Iron			See also <u>Fluorspar</u> , (New Mexico).		
Iron	6/6/47	IDAHO Washington Idaho	Two reports on Idaho iron ore deposits released.	None.	Press release placed two reports and accompanying maps in open file at Room 4216, Federal Works Agency Building, Washington D. C.; 707 Peyton Building, Spokane, Washington; Office of the Director, Idaho Bureau of Mines and Geology, University of Idaho, Moscow, Idaho.
				<p>Maps in open file:</p> <ol style="list-style-type: none"> <li>1. Iron ore deposits in the Clearwater district, Idaho County, Idaho, and accompanying maps, by J. H. Mackin. 7/4/44. <ol style="list-style-type: none"> <li>1. Index map showing location of magnetite deposits in and near Clearwater mining district.</li> <li>2. War Eagle magnetite prospect, Clearwater district, Idaho County, Idaho. 1"-100'.</li> <li>3. The Meadow Creek magnetite deposit, Idaho County, Idaho, by J. H. Mackin. 8/1944. 1"-50'.</li> <li>4. Smith Creek magnetite deposit, Clearwater district, Idaho County, Idaho. 1"-100'. (Also magnetic contour overlay map.)</li> </ol> </li> <li>2. Iron ore deposits of the Iron Mountain district, Washington County, Idaho and accompanying maps, by J. H. Mackin. 5/19/44. <ol style="list-style-type: none"> <li>1. Iron Mountain district, Washington County, Idaho. Geology and topography by J. H. Mackin, J. R. Fribrock, and E. F. Cook. 8/1943. 1"-500'.</li> <li>2. Montana iron deposit, Iron Mountain district, Washington County Idaho. 1"-100'.</li> <li>3. Abundance red hematite deposit, Iron Mountain district, Washington County, Idaho. 1"-200'.</li> <li>4. Mortimer magnetite deposit, Iron Mountain district, Washington County, Idaho. 1"-100'.</li> <li>5. Standard hematite deposit, Iron Mountain district, Washington County, Idaho. 1"-100'.</li> <li>6. Campbell magnetite deposit, Iron Mountain district, Washington County, Idaho. 1"-100'. (Also magnetic contour overlay map.)</li> </ol> </li> </ol>	
Iron	4/19/46	MICHIGAN Dickinson	Geology of an area southwest of Randville, Dickinson County, Michigan.	None.	Deposits studied and mapped by C. A. Lamey, G. E. Siple, and A. F. Trités, 1945.
				<p>Prepared in cooperation with the Geological Survey Division, Michigan Department of Conservation.</p> <p>Press notice placed an 8-page report, "Geology of an area southwest of Randville, Dickinson County, Michigan," by C. A. Lamey, and 2 maps in open file at Geological Survey offices at Room 4216, Federal Works Agency Building, Washington D. C.; 6 Iron River National Bank Building, Iron River, Mich.; and the Geological Survey Division, Michigan Department of Conservation, Lansing, Mich.</p> <p>Two maps (black-line prints) in open file:</p> <ol style="list-style-type: none"> <li>1. Preliminary geologic map of an area southwest of Randville, Dickinson County, Mich. (sec. 5, 7, T. 41 N., R. 30 W.) 1"-400'.</li> <li>2. Preliminary magnetic map of an area southwest of Randville, Dickinson County, Mich. 1"-400'.</li> </ol>	
Iron	8/14/46	MICHIGAN Iron	Geology of the Crystal Falls-Alpha iron-bearing district, Michigan.	Strategic Minerals Investigations, Preliminary Map 3-181. Photolith; price 50¢. Geology of the Crystal Falls-Alpha iron-bearing district, Iron County, Michigan. 1"-12,000'.	Deposits studied and mapped by F. G. Pettijohn. Text: Geology of the Crystal Falls-Alpha iron-bearing district, Michigan. (Printed on same sheet with map.) Prepared with the cooperation of the Geological Survey Division, Michigan Department of Conservation. Map superceded by Strategic Minerals Investigations Preliminary Map 3-181 (revised text).



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Iron sheet 2

Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Iron	1/8/47	MICHIGAN Iron	Revised geologic text of Crystal Falls-Alpha iron-bearing district (Michigan) mapped.	Strategic Minerals Investigations, Preliminary Map 3-181 (revised). Geology of the Crystal Falls-Alpha iron-bearing district, Iron County, Michigan, by F. J. Pettijohn and L. Clark. 1"-12,000'. Also stratigraphic column and index map.	Geology by F. J. Pettijohn assisted by L. Clark and W. B. Allen. Text: Geology of the Crystal Falls-Alpha iron-bearing district, Michigan, by F. J. Pettijohn. (Printed on map margin.) This map is available at a price of 50¢ from the Director, U. S. Geological Survey, Washington, D. C., but will be sent free of charge to those who request it, and indicate that they purchased the earlier edition.
Iron	8/28/47	MICHIGAN Dickinson Iron	Geologic-magnetic map made of area near Randville, Mich.	None.	Press release placed report, "Geology of an area near Randville, Michigan", by C. A. Lamey, and 3 maps in open file at U. S. Geological Survey, Room 4216 and 1033 (Library), Federal Works Agency Building, Washington, D. C.; Room 6, Iron River National Bank Building, Iron River, Mich.; Science Hall, University of Wisconsin, Madison, Wis.; Office of the State Geologist, Michigan Geological Survey Division, Department of Conservation, Lansing Mich. 3 maps (black-line prints): 1. Sketch showing area mapped. 2. Preliminary geologic map of a part of the Felch Mountain iron district near Randville, Mich., by C. A. Lamey 7-9/1945, 7-8-/1946; G. E. Siple, 7-8/1945; A. F. Trites, 7-9/1945. 1"-1,000'. 3. Preliminary magnetic map of a part of the Felch Mountain iron district near Randville, Mich.; authors and dates same as plate 1. 1"-1,000'.
Iron	12/11/47	MICHIGAN Iron	Magnetic and geologic survey made of Iron County, Mich.	Strategic Minerals Investigations, Preliminary Map 3-213. Price \$1.10 for text and 6 maps (black-line prints). 1. Index map of Michigan showing location of Ice Lake-Chicagon Creek in Iron County. 2. Map of magnetic data in the Baker's Creek area, Iron County, Michigan, by L. E. Smith. 1945-46. 1"-500'. 3. Map of magnetic data in Round Lake area, Iron County, Michigan, by H. L. James. 1946. 1"-500'. 4. Map of magnetic data in Chicagon Creek area, Iron County, Michigan, by L. D. Clark. 1945. 1"-200'. 5. Map of magnetic data in the eastern part of the Chicagon Creek area, Iron County, Michigan, by L. D. Clark. 1946. 1"-200'. 6. Map of magnetic anomalies and inferred geology of the Ice Lake-Chicagon Creek area, Iron County, Michigan. Geology by R. L. James, L. D. Clark, and L. E. Smith. 1946. 1"-1,000'.	Geology by F. G. Pettijohn. Text: Geology of the Crystal Falls-Alpha iron-bearing district Michigan. (Printed on same sheet with map.) Prepared in cooperation with cooperation with the Geological Survey Division, Michigan Department of Conservation. Map superseded by Strategic Minerals Investigations Preliminary Map 3-181 (revised text).

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Iron sheet 3

Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Iron	3/13/46	MONTANA Meagher	Four preliminary reports on iron-ore deposits in Montana: In Meagher County near White Sulfur Springs and Belt Creek; and in Judith Basin County near Yogo Peak and in Running Wolf district.	None.	Deposits studied and mapped by G. E. Goodspeed and P. J. Fitzsimmons, 1943. Press release placed "Preliminary report on iron-ore deposits adjacent to Belt Creek, Meagher County, Montana, by G. E. Goodspeed", and 2 maps in open file. The 8-page mimeographed report and maps may be inspected at Geological Survey offices in Room 4216, Federal Works Agency Building, Washington, D. C.; 707 Peyton Building, Spokane, Wash.; and the Library, State Bureau of Mines and Geology, Montana School of Mines, Butte, Montana. Maps in open file: 1. Index map of north-central Montana showing location of Iron Mines Park; ozalid print. 2. Iron Mines Park, Meagher County, Mont.; black-line print. 1"-100'.
Iron	3/13/46	MONTANA Judith Basin	Four preliminary reports on iron-ore deposits in Montana: in Meagher County near White Sulfur Springs and Belt Creek; and in Judith Basin County near Yogo Peak and in Running Wolf district.	None.	Deposits studied and mapped by G. E. Goodspeed and P. J. Fitzsimmons. Press release placed an 11-page mimeographed report "Preliminary report on iron-ore deposits adjacent to Yogo Peak, Judith Basin County, Montana" and 3 maps in open file. They may be inspected at Geological Survey offices in Room 4216, Federal Works Agency Building, Washington, D. C.; 707 Peyton Building, Spokane, Wash.; and the Library, State Bureau of Mines and Geology, Montana School of Mines, Butte, Montana. 3 maps (black-line prints) in open file: 1. Index map of north-central Montana showing location of Yogo Peak; ozalid. 2. Topographic and geologic map of Blue Dick mine near Yogo Peak, Little Belt Mountains, Judith Basin County, Montana. 1"-100'. 3. Geologic map of Blue Dick mine near Yogo Peak, Little Belt Mountains, Judith Basin County, Montana. 1"-25'.
Iron	3/13/46	MONTANA Meagher	Four preliminary reports on iron-ore deposits in Montana: In Meagher County near White Sulfur Springs and Belt Creek; and in Judith Basin County near Yogo Peak and in Running Wolf district.	None.	Deposits studied and mapped by G. E. Goodspeed and P. J. Fitzsimmons. Press release placed a 15-page mimeographed report "Preliminary report on iron-ore deposits near White Sulfur Springs, Meagher County, Montana" and 3 maps in open file. Reports and maps may be inspected at Geological Survey offices in Room 4216, Federal Works Agency Building, Washington, D. C.; 707 Peyton Building, Spokane, Wash.; and the Library, State Bureau of Mines and Geology, Montana School of Mines, Butte, Mont. 3 maps (black-line prints) in open file: 1. Index map showing the location of White Sulfur Springs and Sheep Creek; ozalid print. 2. Topographic and outcrop map, Sheep Creek iron deposit, Meagher County, Mont. 1"-200'. 3. Sections and churn drill logs, Sheep Creek iron deposit, Meagher County, Mont. 1"-40'.
Iron	3/13/46	MONTANA Judith Basin	Four preliminary reports on iron-ore deposits in Montana: In Meagher County near White Sulfur Springs and Belt Creek; and in Judith Basin County near Yogo Peak and in Running Wolf district.	None.	Deposits studied and mapped by G. E. Goodspeed and P. J. Fitzsimmons. Press release placed a 26-page mimeographed report "Preliminary report on iron deposits of Running Wolf district, Judith Basin County, Montana" and 6 maps in open file. Reports and maps in open file at Geological Survey offices in Room 4216, Federal Works Agency Building, Washington, D. C.; 707 Peyton Building, Spokane, Wash.; and the Library, State Bureau of Mines and Geology, Montana School of Mines, Butte, Mont.

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Iron sheet 4

Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Iron	3/13/46	MONTANA Judith Basin (continued)		6 maps in open file: 1. Index map showing general location of Running Wolf iron deposits. Photograph. 2. Claim map of Running Wolf iron deposits. Photograph. 3. Geologic map of vicinity of Running Wolf iron deposits. Photograph. 4. Sketch of contact of igneous rock and limestone showing crushed zone and banded ore replacing limestone. Photograph. 5. Geologic and topographic map, Running Wolf iron deposit, Judith Basin County, Mont.; black-line print. 1"-100'. 6. Cross sections and longitudinal projections, Running Wolf iron deposit, Judith Basin County, Mont.; black-line print. 1"-100'.	
Iron	1/23/46	NEW YORK Franklin St. Lawrence	Magnetic exploration for iron ore in northern New York.	Strategic Minerals Investigations, Preliminary Maps 3-194. Eight maps (multilith): 1. Map of northern New York State showing area covered by aerial magnetic reconnaissance. 1"-16 miles (approximately). 2. Reconnaissance dip-needle map of Alice anomaly, Franklin County, New York, by H. E. Hawkes and P. E. Hotz. 1"-300'. 1945. 3. Reconnaissance dip-needle map of Burntbridge Pond anomaly, St. Lawrence County, New York, by H. E. Hawkes. 1945. 4. Reconnaissance dip-needle map of Deerlick Rapids anomaly and Wolf Hole anomaly, St. Lawrence County, New York, by H. E. Hawkes. 1"-500'. 1945. 5. Reconnaissance dip-needle map of Grass Pond anomaly, St. Lawrence County, New York, by H. E. Hawkes and P. E. Hotz. 1"-200'. 1945. 6. Reconnaissance dip-needle map of Outafit anomaly, St. Lawrence County, New York, by H. E. Hawkes. 1"-200'. 1945. 7. Reconnaissance dip-needle map of Skate Creek anomaly, St. Lawrence County, New York, by A. F. Buddington and B. F. Leonard. Also dip-needle profiles. 1"-50'. 1945. 8. Reconnaissance dip-needle map of Twin Lake Stream anomaly, St. Lawrence County, New York, by A. F. Buddington, B. F. Leonard, and H. E. Hawkes. 1"-200'. 1945.	Report: Magnetic exploration for iron ore in northern New York, by H. E. Hawkes and J. R. Balsley; 1945.
Iron	6/20/47	UNITED STATES western	Western iron ore deposits mapped.	Strategic Minerals Investigations, Preliminary Report 3-212. Photolith; price 35¢. Iron-ore deposits of the western United States, by C. E. Dutton and M. S. Carr. 1"-5,000,000'. 1947.	Text: Iron-ore deposits of western United States, by C. E. Dutton and M. S. Carr. (On same sheet with map.)
Iron-nickel	7/9/46	WASHINGTON Kittitas	The Cle Elum iron-nickel deposits, Kittitas County, Washington.	None.  Press notice placed a 12-page report "Supplementary report, Cle Elum River, iron-nickel ore deposits, Kittitas County, Washington" (plus 13-page appendix consisting of drill-hole data), by C. A. Lamey and 2 maps in open file at Geological Survey offices, Room 4216, Federal Works Agency Building, Washington, D. C.; 707 Peyton Building, Spokane, Wash.; and the Washington State Department of Conservation and Development, Division of Mines and Geology, Olympia, Wash.  2 maps (ozalid) in open file: 1. Geologic and topographic map of a part of the Cle Elum River iron-nickel ore deposits west of Cle Elum River, Kittitas County, Wash.; 1"-100'. 2. Sections through drill holes, Cle Elum River iron-nickel ore deposits, Kittitas County, Wash.; 1"-100'. Also accompanied by 12 figures (photomicrographs) of parts of deposits.	Deposits studied and mapped by C. A. Lamey and P. E. Hotz. 1942-45. Prepared in cooperation with the U. S. Bureau of Mines, Project 507.

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Iron sheet 2

Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Iron- nickel	7/9/46	WASHINGTON Kittitas	The Cle Elum iron-nickel ore deposits, Kittitas County, Washington.	None.	<p>Deposits studied and mapped by C. A. Lamey and P. E. Hotz, 1942-43.</p> <p>Prepared in cooperation with the U. S. Bureau of Mines, Project 507.</p> <p>Press notice placed a 48-page report, "The Cle Elum River iron-nickel ore deposits, Kittitas County, Washington " (plus 68-page appendix of drill-hole data), and 18 maps in open file at Geological Survey offices at 4216, Federal Works Agency Building, Washington, D. C.; 707 Peyton Building, Spokane, Wash.; and the Washington State Department of Conservation and Development, Division of Mines and Geology, Olympia, Wash.</p> <p>Eighteen maps (ozalid) in open file:</p> <p>fig. 1. Index map showing location of the Cle Elum River and Blewett iron-nickel deposits, Washington.</p> <p>fig. 2. Map showing approximate location of sill of altered andesite in the Swauk formation Cle Elum River iron-nickel ore deposits, Kittitas County, Wash.; May, 1944. 1"-400'.</p> <p>fig. 3. Generalized sketch map showing major anticlinal structure of the Cle Elum River formations.</p> <p>fig. 4. Structure sections through drill holes, Cle Elum River iron-nickel ore deposits, Kittitas County, Wash.</p> <p>fig. 5. Diagrammatic sections showing types of faults and their effect on ore bodies.</p> <p>fig. 6. Map of Tacoma tunnel, Cle Elum River iron-nickel ore deposits, Kittitas County, Wash., by John J. Collins and P. E. Hotz.</p> <p>fig. 7. Graph showing variation of nickel and chromium with iron content of ore, Cle Elum River iron-nickel ore deposits, Kittitas County, Washington. 1944.</p> <p>fig. 8. Curves showing variation of silica and alumina with the iron content of the ore, Cle Elum River iron-nickel ore deposits, Kittitas County, Wash.; 1944.</p> <p>fig. 9. Curves showing variation of silica, alumina, iron, nickel, and chromic oxide, from the top to the bottom of the iron formation, Cle Elum River iron-nickel ore deposits, Kittitas County, Wash.; 1944.</p> <p>fig. 10. Graphs showing average chemical composition of the Cle Elum River, Washington, and the Moa, Cuba, ores; 1944.</p> <p>fig. 11. Curves showing variation of silica, alumina, iron, nickel, and chromic-oxide content of the ores of Cle Elum River, Washington, and the Mayari district, Cuba, from the top to the bottom of the ore; 1944.</p> <p>fig. 12. Map and graphs showing ore reserves, Cle Elum River iron-nickel ore deposits, Kittitas County, Washington; 1944.</p> <p>fig. 13. Maps and graphs showing reserves of most nickeliferous iron ore and serpentine, Cle Elum River iron-nickel ore deposits, Kittitas County, Washington; 1944.</p> <p>pl. 1. Geologic and topographic map of the Cle Elum River area iron-nickel ore deposits, Kittitas County, Washington; 1"-400'.</p> <p>pl. 2A. Geologic and topographic map of the Cle Elum River area iron-nickel ore deposits, Boulder Creek-Camp Creek district, Kittitas County, Washington; 1"-100'.</p> <p>pl. 2B. Geologic and topographic map of the Cle Elum River area iron-nickel ore deposits west of the Cle Elum River, Kittitas County, Washington; 1"-100'.</p> <p>pl. 2C. Geologic and topographic map of Cle Elum River area iron-nickel ore deposits, area west of Cle Elum River, Kittitas County, Washington; 1"-100'.</p> <p>pl. 2D. Geologic and topographic map of Cle Elum River area iron-nickel ore deposits, Yankee Camp district, Kittitas County, Washington; 1"-100'.</p>

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Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Lead			See also <u>Copper</u> , (New Mexico).		
Lead-zinc	8/30/46	IOWA Dubuque	Lead and zinc deposits of the Center Grove-Pikes Peak area, Dubuque County, Iowa.	Strategic Minerals Investigations, Preliminary Map 3-203. Multilith. Geologic map of the Center Grove-Pikes Peak area, Dubuque County, Iowa. 1"-667' (approximately).	Deposits studied and mapped by A. V. Heyl, Jr., A. F. Agnew, C. H. Behre, Jr., E. J. Lyons, and H. G. Hershey; 1945. Report: Lead and zinc deposits of the Center Grove-Pikes Peak area, Dubuque County, Iowa. (6 mimeographed pages.) Prepared in cooperation with the Iowa Geological Survey.
Lead-zinc	10/17/47	NORTH CAROLINA Haywood	Report on Redmond lead-zinc mine, N. C., released.	None.  Press notice placed a 7-page report "Redmond lead-zinc mine, Haywood County, N. C.", and 3 maps in open file at offices of the Geological Survey: Room 4216, and the Library (1033), Federal Works Agency Building, Washington, D. C.; Room 220, Post Office Building, Asheville, N. C.; Office of the Regional Geologist, 13 Post Office Building, Knoxville, Tenn.; and the Office of the State Geologist, Raleigh, N. C. 3 maps (brown-line prints) in open file: 1. Geologic and topographic map. 1"-50'. 7/1943. 2. Sections of mine and drill hole. 1"-50'. 7/1943 and 11/1943. 3. Geologic map of open-cut adit. 1"-20'. 7/1943 and 11/1943.	Deposits studied and mapped by G. H. Espenshade, M. H. Staatz, and E. A. Brown. 10/1947.
Lead-zinc	4/1/46	TENNESSEE Bradley	Hardwick mine area, Bradley County, Tennessee.	Strategic Minerals Investigations, Preliminary Maps 3-185. One sheet; blue-line print: 1. Geologic map of Hardwick mine area, Bradley County, Tennessee. 1"-2,000' (approximately). 2. Detailed map. 1"-100' (approximately). 3. Geologic section showing stratigraphic markers in lower part of Copper Ridge dolomite. 1"-20'.	Deposits studied and mapped by C. I. Jones and J. C. Dunlap, 1944. Report: Geology of the Hardwick mine area, Bradley County, Tennessee, by J. C. Dunlap. (Four mimeographed pages.)
Lead-zinc	5/1/47	TENNESSEE Monroe	Geology of the Eve Mills zinc area, Tennessee, mapped.	Strategic Minerals Investigations, Preliminary Map 3-215. Two maps (blue-line prints): 1. Topographic and geologic map of Eve Mills zinc area, Monroe County, Tennessee, by J. C. Dunlap. 1"-200'. 1943. 2. Structural and stratigraphic sections at the Eve Mills zinc prospect, Monroe County, Tennessee. Geology by J. C. Dunlap.	Text: The Eve Mills zinc area, Monroe County, Tenn., by J. C. Dunlap. (2 mimeographed pages.)
Lead-zinc	1/11/46	WASHINGTON Stevens	Lead-zinc deposits in part of the Northport mining district, Washington.	None.  Six maps (black-line prints) in open file: 1. Geologic map and sections of the Northport district, Stevens County, Wash. 1"-2 miles; hand-colored photostat. 2. Geologic map of the Deep Lake area, Northport district, Stevens County, Wash., and sections A-A' and B-B', Deep Lake area. 1"-1,000'. 3. Geologic map of the Red Top area, Northport district, Stevens County, Wash., and sections A-A' and B-B', Red Top area. 1"-1,000'.	Deposits studied and mapped by C. D. Campbell; 1945. No text. Press release placed 6 maps in open file at Geological Survey offices, the Library (1033) and Room 4216, Federal Works Agency Building, Washington, D. C.; 707 Peyton Building, Spokane, Wash.; and the Division of Mines and Geology, 420 Transportation Building, Olympia, Wash.

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Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Lead- zinc	1/11/46	WASHINGTON Stevens (continued)		4. Geologic map of the Gladstone Mountain area, Northport district, Stevens County, Wash., and sections A-A' and B-B', Gladstone Mountain area. 1"-1,000'. 5. Geologic map of the Deep Creek area, Northport district, Stevens County, Wash., and section A-A', Deep Creek area; 1"-1,000'. 6. Geologic and topographic map, Deep Creek mine area, including U. S. Bureau of Mines Gorien zinc project, Northport district, Stevens County, Wash. 1"-200'.	

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Miscellaneous sheet 1

Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Engineering geology	10/31/46	COLORADO	Recent geologic study of Cedar Creek slide near Montrose, Colo.	None.	Press notice placed a 7-page report, "General statement on the Cedar Creek slide, Montrose, Colorado", by H. D. Varnes, in open file at Geological Survey offices at G-234, Federal Works Agency Building, Washington, D. C.; Building 12-B, Denver Federal Center, Denver, Colo.; and the Colorado Metal Mining Fund, 402 State Office Building, Denver, Colo.
Maps index	7/30/47	WYOMING	Geologic map index of Wyoming issued.	Index to Geologic Mapping in the United States No. 1, Chromolith; price 50¢. Geologic map index of Wyoming. 1"-12 miles (approximately).	Compiled by Leona Boardman, 1945-47. Available from the Director, U. S. Geological Survey, Washington 25, D. C., and Geological Survey Office, Room 305, Federal Building, Casper, Wyo.
Metallic minerals	12/9/46	COLORADO	Map of metallic mineral deposits of Colorado, released.	Missouri Basin Studies No. 8, Chromolith; price 30¢. Metallic mineral deposits of Colorado. 1"-16 miles.	Deposits studied and mapped by W. S. Burbank, R. P. Fischer, and Helen Cannon, 1945-46. Text: Metallic mineral deposits of Colorado, by R. P. Fischer. (Printed on same sheet with map.) Available for over-the-counter sale at Geological Survey offices at 314 Boston Building, Denver, Colo.
Metallic minerals	6/3/47	SOUTH DAKOTA	Map of metallic mineral deposits of South Dakota released.	Missouri Basin Studies No. 13, Chromolith; price 25¢. Metallic mineral deposits of South Dakota, by R. P. Fischer. 1:100,000,000. 1947.	Text: Metallic mineral deposits of South Dakota by R. P. Fischer. Available from the Director, and over-the-counter sale at the Geological Survey office, 314 Boston Building, 828 17th Street, Denver, Colo.
Metals	4/23/47	MONTANA	Map released showing metal-mining districts of Montana.	Missouri Basin Studies No. 16, Chromolith; price 30¢. Metallic mineral deposits of Montana. Prepared by F. M. Chace, F. Carter, V. Byers, M. H. Kreiger, J. Crawford, W. B. Myers, and H. Cannon. 1:1,000,000. 1947. Also 4 inset maps. 1. Value of Montana metal production by counties. 2. Montana metal production. 3. Percent of domestic total past production from Montana. 4. Map of the Butte district, Silver Bow County, Montana.	Text: Metallic mineral deposits of Montana, by F. M. Chace. (Printed on map margin.) Map prepared in cooperation with the Montana State Bureau of Mines and Geology.
Mica	11/4/43	NEW HAMPSHIRE Orange	New England mica deposits.	None.	Press release placed a map, "Keys No. 6 mine, Orange, N. H.", by E. N. Cameron in open file. The map is a photostat on the scale of 1"-20'. It is available for inspection in Geological Survey offices at 4216 Federal Works Agency Building, Washington, D. C.; and the Mineral Resources Committee, New Hampshire State Planning and Development Commission, Concord, N. H.

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Miscellaneous sheet 2

Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Mineral resources	2/27/46	COLORADO IDAHO IOWA KANSAS MINNESOTA MISSOURI MONTANA NEBRASKA NORTH DAKOTA SOUTH DAKOTA UTAH WYOMING	Mineral resources of Missouri Valley region.	Missouri Basin Studies No. 1, Chromolith; price \$1.50 for set of 4 sheets or 40¢ per sheet. Mineral resources of Missouri Valley region. 1"-40 miles. Sheets 1 and 3 compiled by D. H. Dow; 1945. Sheets 2 and 4 compiled by D. M. Larrabee, S. E. Clabaugh, and D. H. Dow; 1945. 1. Metallic mineral resources. 2. Nonmetallic mineral resources. 3. Fuel resources. 4. Construction materials.	No text. Prepared in cooperation with the Bureau of Reclamation. Available for over-the-counter sale at Geological Survey offices at 234 Federal Building, Denver, Colo., and 305 Federal Building, Casper, Wyo.
Mineral resources	8/28/46	TEXAS OKLAHOMA	Mineral resources of Trinity River area, Texas-Oklahoma.	None.  The 187-page report discusses the location and distribution of each mineral commodity found in the area and gives brief descriptions of their uses in industry, methods of exploitation, economic factors involved, the degree of their present development, reserves available, and data on production up to the present time. Included in the list of 29 mineral raw materials discussed in the report are: coal, oil and gas, clays, limestone, gypsum, phosphate rock, sand and gravel, glass sand, sulfur, and ores of copper, iron, manganese, lead, and zinc. The report and illustrations may be inspected at the following stations: U. S. Geological Survey Library, Federal Works Agency Building, Washington, D. C.; Bureau of Economic Geology, University of Texas, Austin 12, Texas; Office of the Director, Oklahoma Geological Survey, Norman, Okla.; Trinity Improvement Association, 1308 Commercial Standard Building, 7th and Main Streets, Fort Worth 2, Tex.; Chamber of Commerce, Dallas, Tex.; Post Office, Liberty, Tex.; and Post Office, Crockett, Tex. Prepared in cooperation with the University of Texas, Bureau of Economic Geology.  30 maps (brown-line prints) in open file: 1. Key map. 2. Distribution of asphalt and related bitumens. 3. Distribution of coal and lignite. 4. Distribution of principal oil and gas fields. 5. Distribution of abrasives. 6. Distribution of barite. 7. Distribution of celestite. 8. Distribution of bleaching clay. 9. Distribution of burning clay. 10. Distribution of drilling clay. 11. Distribution of dolomite and magnesian limestone. 12. Distribution of gypsum. 13. Distribution of helium. 14. Distribution of limestone, shell, and caliche deposits. 15. Distribution of phosphate rock. 16. Distribution of portland cement materials and plants. 17. Distribution of sand and gravel. 18. Distribution of glass sand and other specialized sands. 19. Distribution of potash. 20. Distribution of common salt. 21. Distribution of calcium chloride. 22. Distribution of magnesium chloride. 23. Distribution of bromine. 24. Distribution of magnesium sulfate. 25. Distribution of sodium sulfate. 26. Distribution of sulfur. 27. Distribution of copper. 28. Distribution of iron ore. 29. Distribution of manganese. 30. Distribution of zinc and lead.	Press release placed "Mineral resources of the Trinity River tributary area in Texas and Oklahoma" and 30 illustrations, edited by A. E. Weissenborn, in open file.



NEWS RELEASES ISSUED BY THE GEOLOGIC DIVISION OF THE GEOLOGICAL SURVEY  
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Miscellaneous sheet 3

Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Soils	8/25/47		Translations of two Russian papers on electrochemical soil stabilization released.	None.	Press notice placed 2 reports, "Electrochemical stabilization of clayey ground", by B. A. Kshanitsin, and "Electrochemical stabilization as a means of preventing ground failure in railroads", by D. I. Solntzev and B. S. Borkov, translated by V. P. Sololoff, in open file at: Geological Survey offices in Washington, D. C. and Denver, Colo.
Nephelite	10/23/46	NEW JERSEY Sussex	New Jersey nephelite rocks have limited use.	None.	Strategic Mineral Investigations, Preliminary Report 3-208. Possible utilization of nephelite-bearing rocks of northwestern New Jersey, by J. M. Parker, 3d. Four mimeographed pages. Prepared in cooperation with the New Jersey Bureau of Mineral Research, Rutgers University, New Brunswick, N. J. 1946.
Nickel			See also Iron, (Washington).		
Pegmatites	1/16/47	NEW HAMPSHIRE Grafton	Preliminary reports and maps released by Geological Survey.	None.	Press release placed 2 reports in open file at the Geological Survey, 5209 Federal Works Agency Building, Washington, D. C.; Office of the Chairman, Mineral Resources Committee, New Hampshire State Planning and Development Commission, Concord, N. H.  2 maps (blue-line prints) in open file: pl. 1. Pegmatites of the Rice mine-Pike's Ledge area, Grafton, N. H., by G. W. Stewart, N. K. Flint, D. Caldwell; 1944. 1"-500'. Also index map. pl. 2. Pike's Ledge mica and feldspar deposit, Grafton, N. H., by G. W. Stewart and K. S. Adams; 1944. 1"-40'. Also index map and structure section.

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Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Phosphate		IDAHO	See also <u>Montana</u> .		
Phosphate	11/27/46	IDAHO Bannock Bear Lake Bingham Caribou WYOMING Lincoln UTAH Rich	Important phosphate deposits in Idaho, Wyoming, and Utah.	None.  Press notice placed 1 map (accompanied by lists of reserves) in open file at Geological Survey offices at Room 4216, Federal Works Agency Building, Washington, D. C.; 303 Federal Building, Salt Lake City, Utah; 707 Peyton Building, Spokane, Wash.; Bureau of Mines and Geology, University of Idaho, Moscow, Idaho; and the Geological Survey of Wyoming, Laramie, Wyo. One map (photostat) in open file: Index map of important phosphate deposits of southeastern Idaho and adjoining parts of Wyoming and Utah; 1"-8 miles.	Compiled by V. E. McKelvey; 1946.
Phosphate	12/13/46	IDAHO Caribou Bear Lake	Idaho phosphate report released.	None.	Deposits studied and mapped by C. Deiss; 1944. Press notice placed a 2-page report, "Summary report on the phosphate deposits in the Deer Creek-Wells Canyon area, Idaho", (plus 9 photostat pages of tables of reserves and chemical analyses) in open file at Geological Survey offices : Room 4216, Federal Works Agency Building, Washington, D. C.; 303 Federal Building, Salt Lake City, Utah; 707 Peyton Building, Spokane, Wash.; and the Idaho Bureau of Mines and Geology, University of Idaho, Moscow, Idaho.  5 maps in open file: 1. Index map showing location of Deer Creek-Wells Canyon area, southeastern Idaho. pl. 1. Geologic map showing position of trenches and structure sections, Deer Creek-Wells Canyon phosphate area, Idaho; photostat. 3/8"-1,000'. pl. 2. Structure sections, Deer Creek-Wells Canyon phosphate area, Idaho; photostat. 3/8"-1,000'. pl. 3. Columnar sections of lower part of phosphatic shale member of Phosphoria formation; black-line print; vertical scale 1"-5'. pl. 4. Columnar sections of upper part of phosphatic shale member of Phosphoria formation, by W. R. Lowell; black-line print. 1"-5'.
Phosphate-vanadium	2/25/47	IDAHO southwestern WYOMING western UTAH northern	Phosphate-vanadium beds described in Idaho, Wyoming, and Utah.	None.	Press notice placed the report in open file. "Preliminary report on stratigraphy of the phosphatic shale member of the Phosphoria formation in western Wyoming, southeastern Idaho, and northern Utah". 7 plates, 5 figures. V. E. McKelvey. On open file at Room 4216, Federal Works Agency Building, Washington, D. C.; 506 Federal Building, Salt Lake City, Utah; 707 Peyton Building, Spokane, Wash.; Director of the Idaho Bureau of Mines and Geology, University of Idaho, Moscow, Idaho; State Geologist, University of Wyoming, Laramie, Wyoming.
Phosphate	6/21/46	MONTANA southwestern IDAHO eastern WYOMING western UTAH northeastern	Compilation map of western phosphate deposits released.	Strategic Minerals Investigations, Preliminary Map 3-198. Chromolith; price 30¢. Permian phosphate deposits of Montana, Idaho, Wyoming, and Utah. Compiled by P. S. Clabaugh; 1946. 1"-16 miles (approximately). Also index map.	No text.

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Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Phosphate-vanadium		UTAH	See under <u>Idaho, Montana.</u>		
Phosphate-vanadium		WYOMING	See under <u>Idaho, Montana.</u>		
Sand and gravel	4/17/46	COLORADO	Preliminary map of sand and gravel deposits of Colorado.	Missouri Basin Studies No. 2, Chromolith; price 50¢. Preliminary map showing sand and gravel deposits of Colorado. 1"-8 miles.	Deposits studied and mapped by H. Varnes and D. M. Larrabee. 1946. No text. Available for over-the-counter sale at the Geological Survey office at 314 Boston Building, Denver, Colo.
Sand and gravel	4/24/46	MONTANA	Preliminary map of sand and gravel deposits of Montana.	Missouri Basin Studies No. 6, Chromolith; price 2 sheets 70¢. Preliminary map showing sand and gravel deposits of Montana. 1"-8 miles.	Deposits studied and mapped by D. M. Larrabee and A. F. Shride. 1946. No text.
Sand and gravel	4/29/46	NORTH DAKOTA	Preliminary map of sand and gravel deposits of North Dakota.	Missouri Basin Studies No. 3, Chromolith; price 35¢. Preliminary map showing sand and gravel deposits of North Dakota. 1"-8 miles.	Deposits studied and mapped by D. M. Larrabee, L. C. Huff, and C. Ahlman. 1946. No text.
Sand and gravel	4/29/46	SOUTH DAKOTA	Preliminary map of sand and gravel deposits of South Dakota.	Missouri Basin Studies No. 4, Chromolith; price 35¢. Preliminary map showing sand and gravel deposits of South Dakota. 1"-8 miles.	Deposits studied and mapped by D. M. Larrabee. 1946. No text.
Sand and gravel	4/22/46	WYOMING	Preliminary map of sand and gravel deposits of Wyoming.	Missouri Basin Studies No. 5, Chromolith; price 50¢. Preliminary map showing sand and gravel deposits of Wyoming. 1"-8 miles.	Deposits studied and mapped by D. M. Larrabee and A. F. Shride; 1946. No text. Available for over-the-counter sale at Geological Survey offices in the Federal Building, Casper, Wyo.

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Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Silver			See also <u>Gold</u> (Colorado, Nevada).		
Silver	3/8/47	NEVADA Lander	Report released on Reese River silver district, Austin, Nevada.	<p>None.</p> <p>fig. 4A. Quartz monsonite, with inclusion. B. Photomicrograph of quartz monsonite, Jackpot mine.</p> <p>5A. Hard ribs on joints at the portal of the Silver Chamber incline.</p> <p>5B. Outcrop along the large composite lamprophyre dikes above the X-ray mine.</p> <p>6A. Closely spaced joints of moderate northward inclination in the west wall of the glory hole at the Jackpot mine. B. Joints in quartz monsonite northeast of the Lander shaft.</p> <p>8A. Photomicrograph of vein matter from the Belle Wilder. B. Photomicrograph of vein matter from the Belle Wilder.</p> <p>9B. Photomicrograph of vein matter with chert from a prospect cut on the crest of Lander Hill.</p> <p>10A. Wallrock, Jackpot mine.</p> <p>11A. Photomicrograph of a polished section of ore from the Rast and O'Brien lease, North Star mine.</p> <p>12. Idealized vertical section across a vein displaced along a premineral opening.</p> <p>13. Map and projected sections of the Union mine.</p> <p>14. Geologic map of the Bartlett tunnel and vicinity. Workings taken in part from maps furnished by Austin Silver Mining Company. Geology by C. P. Ross.</p> <p>15. Composite geologic map of the Jackpot mine. Workings based mainly on maps of the Austin Silver Mining Company. Geology by C. P. Ross.</p> <p>16. Map showing the relations of certain workings in New York and Yankee Blade Canyons. Based mainly on maps furnished by the Austin Syndicate.</p> <p>24. Map of the underground workings on the Farrell vein. Adapted from a map by A. E. Kaiser, Austin Silver Mining Company.</p> <p>25. Geologic map of the Cummings lease tunnel.</p> <p>26. Section through the raise at the face of the Cummings lease tunnel.</p> <p>27. Geologic map of the Eclipse tunnel.</p> <p>28. Geologic map of the Belle Wilder workings.</p> <p>29. Geologic map of accessible parts of the Isabella and Mag-nolia workings.</p> <p>32. Geologic sketch map of the Rast and O'Brien workings.</p> <p>33. Geologic sketch map of a tunnel east of the Diana shaft.</p> <p>35. Geologic sketch map of tunnel between the Mill and the Clifton tunnel.</p> <p>36. Geologic map of the Byers incline.</p> <p>37. Geologic sketch map of the Cummings tunnel, by C. P. Ross and J. N. Faick.</p> <p>38. Geologic sketch map of the O K mine, by C. P. Ross and J. N. Faick.</p> <p>40. Geologic map of the Silver Chamber incline.</p> <p>42. Geologic sketch map of the Dalton mine, by C. P. Ross and J. N. Faick.</p> <p>43. Geologic sketch map of the Silver Eagle tunnel, by C. P. Ross and J. N. Faick.</p>	<p>Report and 32 illustrations in open file, "The geology and ore deposits of the Reese River mining district, Lander County, Nevada", by C. P. Ross. 136 pp. In open file at Room 4211, Federal Works Agency Building, Washington, D. C.; and the Nevada Bureau of Mines, Reno, Nevada.</p>

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Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks	
Talc	2/25/47	NEVADA Esmeralda	Further Nevada talc discoveries seen possible.	None.  4 maps (blue-line prints) in open file: 1. Index map of part of Nevada and California showing the location of the Reed talc mine. 2. Surface geology of the Reed talc mine, Esmeralda County, Nevada. Topography and geology by B. M. Page. 1"-100'. 11/1942. 3. Underground geology of the Reed talc mine, Esmeralda County, Nevada. By B. M. Page and L. A. Wright. 1"-20'. 11/1942. 4. Cross section, Reed mine: 1"-20'(approximately).	Press notice placed report, "The Reed talc mine, Esmeralda County, Nevada", by B. M. Page and 4 maps in open file in the office of Mr. Jay R. Carpenter, Director, Nevada Bureau of Mines, Reno, Nevada; Federal Works Agency Building, Washington, D. C.	
Talc	6/19/46	NEW YORK St. Lawrence	New York talc deposits.	None.	Press release placed maps in open file in the Geological Survey offices at Room 4216, Federal Works Agency Building, Washington, D. C.; the New York State Science Service, State Education Building, Albany, N. Y.; and the Gouverneur Reading Room Association, Gouverneur, N. Y. Other maps to be placed in open file as soon as they are completed. Maps placed in open file listed in box below:	
		STATE County	Release date of maps	No. of maps	Maps in open file	Remarks
		NEW YORK St. Lawrence	7/1946	1	Isometric diagram of the talc belt at the International No. 4 mine, Edwards township, St. Lawrence County, New York.	By A. E. J. Engel and K. Stefansson. April, 1945; blue-line print.
		NEW YORK St. Lawrence	7/1946	2	1. The Ontario mine, Loomis Talc Corporation, St. Lawrence County, New York (surface map, 3 cross sections, and index map). 2. Subsurface geology, Ontario talc mine, Loomis Talc Corporation, St. Lawrence County, New York (plan maps of 6, 5, 4, and 3rd levels).	By A. E. J. Engel. June, 1945; blue-line print. 1"-50'.
		NEW YORK St. Lawrence	7/1946	1	The East Anthony-Newton talc prospects, Newton Hill, Edwards township, St. Lawrence County, New York.	By A. E. J. Engel; blue-line print.
		NEW YORK St. Lawrence	7/1946	2	Topographic and geologic map of the Woodcock mine, Loomis Talc Corporation, Fowler township, St. Lawrence County, New York.	By A. E. J. Engel. September 1945; blue-line print. 1"-50'.
		NEW YORK St. Lawrence	7/1946	2	2. Subsurface geology of the Woodcock mine, Loomis Talc Corporation, Fowler township, St. Lawrence County, New York. 1. The Arnold mine, Loomis Talc Corporation, St. Lawrence County, New York (surface map and 2 vertical sections). 2. Subsurface geology, Arnold mine, Loomis Talc Corporation, St. Lawrence County, New York (geologic maps of backs of 6, 8, 10, 14, 15th levels).	By A. E. J. Engel and C. G. Johnson. August 1945; blue-line print. 1"-50'.  By A. E. J. Engel and C. G. Johnson. December 1945; blue-line print. 1"-50'.  By A. E. J. Engel. July 1945; blue-line print. 1"-50'.

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Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Talc	7/24/46	NEW YORK St. Lawrence	New geologic map of Gouverneur talc district, St. Lawrence County, New York.	Strategic Minerals Investigations, Preliminary Map 3-206. 1 map (2 sheets); blue-line print. The Gouverneur talc district, St. Lawrence County, New York, by E. J. Engel. 1"-400'; 1945. 1. Balmat-West Branch. 2. West Branch-Edwards.	No text.
Tungsten	1/24/47	ARIZONA Maricopa	Report released on Morristown, Ariz., tungsten.	None.  Six maps in open file: 1. Index map of Arizona, showing location of Morristown tungsten deposits. 2. Diagram of east face of open-cut in Little San Domingo deposits. 3. Geologic and topographic map of claims and veins, near Morristown, Ariz. 4. Geologic and topographic map of part of Buena Vista veins, near Morristown, Ariz. 5. Geologic and topographic map of some tungsten-bearing veins, near Little San Domingo Wash, Morristown, Ariz. 6. Reconnaissance topographic and geologic map of Mt. Pachan area, near Morristown, Ariz.	Deposits studied and mapped by G. L. Bell, April 1941. Press release placed a report, "Tungsten deposit near Morristown, Maricopa County, Ariz.," and 6 maps in open file at the Geological Survey in Washington, D. C., and at the Office of the Director, Arizona Bureau of Mines, University of Arizona, Tucson, Ariz.
Tungsten	7/30/47	CALIFORNIA Madera	Report on tungsten deposits in Madera County, California, released.	None.  Four maps (blue-line prints) in open file: 1. Strawberry mine general geologic map of Meadow-Granite Creek area, Madera County, California. By K. B. Krauskopf. 1:2,000. 9/1945. 2. Geologic map of Strawberry mine area, chiefly Strawberry mine (no. 1 and Jimmie claim), Madera County, Calif. By K. B. Krauskopf. 1"-50'. 9/1945. 3. By K. B. Krauskopf. 9/1945. a. Level map of upper part of main workings, Strawberry mine (no. 1 claim). b. Level map of lower part of main workings, Strawberry mine (no. 1 claim). c. Level map near base of large open-cut, Strawberry mine (no. 1 claim). d. Section AA', main workings and large open-cut, Strawberry mine (no. 1 claim). e. Section BB', main workings, Strawberry mine (no. 1 claim). f. Level maps of south workings, Strawberry mine (no. 1 claim). g. Sections CC' and DD', south workings, Strawberry mine (no. 2l claim). h. Slope maps, main and south workings, Strawberry mine, (no. 1 claim). i. Level map and section RR', Jimmie claim. 4. By K. B. Krauskopf. 9/1945. a. Geologic map of no. 4 claim. b. Sections VV', WW', Strawberry mine (no. 4 claim). c. Plan and section YY', open-cut, Strawberry mine (no. 4 claim).	Press notice placed "Report on Strawberry mine, Madera County, California" and 4 maps by K. B. Krauskopf, in open file at U. S. Geological Survey, Rooms 4216 and 1033, Federal Works Agency Building, Washington D. C.; Office of the Chief Geologist, Division of Mines and Geology, California Department of Natural Resources, Ferry Building, San Francisco; Calif.

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Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Tungsten	5/23/46	NEVADA White Pine	The Louis Campanella property, Cherry Creek district, White Pine County, Nevada.	None.	Deposits studied and mapped by M. R. Klepper and P. Joralemon; 1943.  Press notice placed a 2-page mimeographed report, "Report on the Louis Campanella property, Cherry Creek district, White Pine County, Nevada", and one map in open file at Geological Survey offices at Room 4216, Federal Works Agency Building, Washington, D. C.; 506 Federal Building, Salt Lake City, Utah; and at the Nevada Bureau of Mines, Reno, Nevada.  One map (black-line print) in open file: Geologic map of the Louis Campanella tungsten property, Cherry Creek district, White Pine County, Nev. 1"-100'.
Tungsten	11/12/46	NEVADA Humboldt	Tungsten ore deposits studied.	None.	Deposits studied and mapped by C. W. Chesterman, P. Joralemon, and M. R. Klepper; 1943.  Press release placed a 4-page report, "Tungsten deposits in the southern Santa Rosa Mountains, Paradise district, Humboldt County, Nevada," and 3 maps in open file at Geological Survey offices at Room 4216, Federal Works Agency Building, Washington, D. C.; 303 Federal Building, Salt Lake City, Utah; and the Nevada Bureau of Mines, Reno, Nevada.  Three maps (photostat) in open file: 1. Nutter-Fitzgerald property, Paradise mining district, Humboldt County, Nev. 1"-50' (approximately). 2. Geologic map of the Johnson property, Santa Rosa Mountains, Humboldt County, Nev. 1"-100'. 3. Geologic map of the Scossa and Davis-Hicks properties, Santa Rosa Mountains, Humboldt County, Nev. 1"-100' (approximately).
Vanadium			See also <u>Phosphate</u> , (Idaho, Utah, Wyoming).		

PRESS RELEASES ISSUED BY THE GEOLOGIC DIVISION OF THE GEOLOGICAL SURVEY  
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Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Zinc			See also Lead, (Iowa, North Carolina, Tennessee, and Washington) and Copper, (California, New Mexico).		
Zinc	5/6/46	TENNESSEE Claiborne	Ritchie zinc prospect, Claiborne County, Tenn.	Strategic Minerals Investigations, Preliminary Map 3-200. Multilith; one sheet. The Ritchie zinc prospect, Claiborne County, Tennessee. 1. Geologic and topographic map. 1"-100'. 2. Sketch map of mine workings. 1"-40'.	Deposits studied and mapped by V. E. Nelson and I. Gladstone; 1944. Additions by C. H. Behre, Jr., and D. F. Kent; 1945. Report: The Ritchie zinc prospect, Claiborne County, Tennessee, by V. E. Nelson, I. Gladstone, and D. F. Kent. (Three mimeographed pages.)
Zinc-lead	5/6/46	TENNESSEE Claiborne	Lead and zinc deposits at the Bunch Hollow mine, Claiborne County, Tennessee.	Strategic Minerals Investigations, Preliminary Map 3-201. Multilith. Geologic map and projections of the Bunch Hollow mine, Claiborne County, Tennessee. 1"-200'. 1946.	Deposits studied and mapped by D. F. Kent, J. Rogers, and R. A. Laurence; 1944. Report: The Bunch Hollow zinc and lead mine, Claiborne County, Tennessee, by D. F. Kent. (Four mimeographed pages.)
Zinc	11/25/46	TENNESSEE Union	Report released on Stiner zinc prospect, Union County, Tennessee.	None.  Prepared with the cooperation of the U. S. Bureau of Mines. Press release placed a 4-page report, "Stiner zinc prospect, Union County, Tennessee" (accompanied by 69 photostat pages of logs of 13 drill holes), and 3 maps in open file at Geological Survey offices at Room 4216, Federal Works Agency Building, Washington, D. C.; Post Office Building, Knoxville, Tenn.; and the Division of Geology, State Office Building, Nashville, Tenn.  Three maps (black-line prints) in open file: 1. The New Prospect mine zinc area (Lead Mine Bend), Union County, Tenn. 1"-100'. 2. Section through drill holes 1, 11, 10, 8, 9, 2, and 3, Stiner prospect, Union County, Tenn. 1"-30' (approximately). 3. Sections correlating drill holes 4, 5, 12, 3, 6, and 7, Stiner prospect, Union County, Tenn. Vertical scale 1"-30' (approximately).	Deposits studied and mapped by R. A. Laurence; 1934. I. Gladstone and V. E. Nelson; 1944. D. F. Kent; 1944.



**ADDENDUM :**

**Conservation Division**



PRESS RELEASES ISSUED BY THE CONSERVATION DIVISION OF THE GEOLOGICAL SURVEY  
BETWEEN JANUARY 1, 1938 AND JANUARY 1, 1948

Fuels sheet 1

Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Coal	5/16/44	COLORADO Jackson	Geologic report on the Coalmont district, Colo.	None.	Press release placed a 207-page report, "Geologic report on the Coalmont district, Colo.", and 8 illustrations in open file. The report was written and mapped by C. E. Erdmann; 1941.
Gas	5/26/45	UTAH Daggett	Geologic and structure contour map of the Clay Basin gas field.	Photolith; price 15¢.	By G. K. Dobbin and R. Davidson. Mapped 1943. Well information revised to date of publication. No text.
Oil	3/24/44	CALIFORNIA	New maps of Oak Canyon oil field, Calif.	None.	By R. E. Canfield and R. Lebow. Subsurface study 1943-44. 3 structure contour maps, 1 isopach map. No text.
Oil	8/28/44	CALIFORNIA	New map of the Del Valle oil field.	None.	Press release placed map, "New map of the Del Valle oil field", by J. C. Miller and R. Lebow, in open file. The map includes 1 areal geologic map, 1 structure contour map, and 3 cross sections.
Oil		MONTANA	See also <u>Wyoming</u> .		
Oil	7/28/39	MONTANA Glacier Pondera Toole	Geologic map of Cut Bank-West Kevin-Border districts, Mont.	Photolith; price 25¢.	By C. E. Erdmann, N. A. Davis, and W. M. Peden. Intermittent field and office studies, 1930-38. Contoured on top of Colorado shale.
Oil	10/11/39	MONTANA Toole	Reconnaissance map of the Willishaw Flats anticlinal nose.	Multilith; free.	By C. E. Erdmann. Mapped 1938. Contoured on top of Colorado shale.
Oil	11/16/42	MONTANA Toole	Preliminary map of Kicking Horse dome and Simmons Creek anticlinal nose, Toole County, Mont.	Multilith; free.	By C. E. Erdmann. Mapped 1940.
Oil	5/8/44	MONTANA	Tests for oil and gas in Montana.	None.	By C. E. Erdmann and N. A. Davis. 10-page list of significant tests for oil and gas in Montana showing depth, lowest formation tested, year drilled, and status in April 1944.
Oil	7/31/45	NEVADA Clark	Geologic reconnaissance of Arden area.	None.	Press release placed a 16-page report, "Geologic reconnaissance of Arden area", by J. C. Miller and one geologic map in open file. The report describes stratigraphic and structural features of the area which was mapped in December 1944.
Oil	5/3/45	OKLAHOMA Washington	Secondary recovery possibilities of the Hogshooter field.	Multilith; free.	68-page mimeographed report contains 17 illustrations.
Oil	6/2/45	OKLAHOMA Nowata	Secondary recovery possibilities of the Nowata-Claggett field.	Multilith; free.	99-page text (mimeographed) containing 24 tables and 29 illustrations.
Oil	3/19/40	WYOMING Niobrara	Geologic map of the East Lance Creek oil and gas field.	Photolith; free.	By W. E. Kramer, C. E. Dobbin, and R. McMillan. Mapped 1939. Contoured on top of Fall River sandstone.

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Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Oil	3/19/40	WYOMING Hot Springs	Geologic map and section of the Red Springs anticline.	Photolith; free.	By C. E. Dobbin and W. B. Kramer. Mapped October 1939. Contoured on top of Embar formation.
Oil	1/7/42	WYOMING Hot Springs	Geologic map of Hamilton dome and Wagonhound anticline, Hot Springs County, Wyo.	Photolith; free.	By W. B. Kramer and R. McMillan Mapped May, June 1940. Contoured on top of the Chugwater formation.
Oil	5/26/43	WYOMING Carbon Sweetwater Fremont	Geologic map and sections of Wertz dome and vicinity, Carbon, Sweetwater, and Fremont Counties, Wyo.	Chronolith; free.	By W. B. Kramer and J. M. Cattermole. Mapped May, July 1941.
Oil	8/24/43	WYOMING Park	Geologic map and sections of the Oregon Basin anticline, Park County, Wyo.	Photolith; free.	By W. B. Kramer, J. M. Cattermole, and B. F. Curtis. Mapped 1941-42. Contoured on top of Embar formation.
Oil	6/3/44	WYOMING Niobrara	Geologic map and sections of Lance Creek oil and gas field and vicinity.	Photolith; 50¢.	By W. E. Kramer, C. E. Dobbin, and R. McMillan. Mapped at intervals in 1937-40.
Oil	6/5/44	WYOMING Sweetwater	Subsurface structure map of the Lost Soldier field.	Multilith; free.	By E. A. Swedenborg. Well information to April 5, 1944. No text.
Oil	6/19/44	WYOMING Carbon Sweetwater	Subsurface geologic structure map of Wertz dome.	Multilith; free.	By E. A. Swedenborg. Well information of April 22, 1944. No text.
Oil	1/14/45	WYOMING Park MONTANA Carbon	Map of the Elk Basin oil field.	Photolith; price 15¢. Geologic and structure map of the Elk Basin oil and gas field and vicinity, Park County, Wyo., and Carbon County, Mont.	By C. E. Dobbin, W. B. Kramer, J. C. Miller, and Harvey French. Mapped 1943-44. Well information to October 31, 1944.
Oil	1/24/45	WYOMING Cowers Natrona	Subsurface structure map of the Cole Creek oil field.	Multilith; free.	By R. D. Ferguson. Well information as of December 18, 1944. No text.
Oil	5/22/45	WYOMING state-wide	Wells drilled for oil and gas in Wyoming.	None.	286-page text (mimeographed).
Oil and gas	4/19/39	COLORADO Moffat Rio Blanco	Geologic map of the Wilson Creek dome.	Photolith; free.	By W. B. Kramer, R. McMillan, and P. W. Guild. Mapped August, September 1938. Contoured on top of Trout Creek sandstone.
Oil and gas	5/22/39	COLORADO Rio Blanco	Geologic map and section of Piceance Creek dome.	Photolith; free.	By W. B. Kramer and R. McMillan Mapped July, August 1938. Contoured on top of a member of the Bridger formation.
Oil and gas	6/24/39	COLORADO Moffat	Geologic map of Powder Wash dome.	Photolith; free.	By W. B. Kramer and R. McMillan Mapped October 1938. Contoured on top of Cathedral Bluffs tongue of Wasatch formation.
Oil and gas	6/10/43	COLORADO Las Animas NEW MEXICO Union	Preliminary structure contour map of the Branson area.	Multilith; free.	By J. D. Northrop. Mapped September 1942. Contoured on top of Dakota sandstone.
Oil and gas	10/10/39	MONTANA Liberty Toole	Structure-contour map of the Dunkirk-Chester region.	Photolith; free.	By C. E. Erdmann. Mapped intermittently during 1932-38. Contoured on top of Colorado shale.

Fuels sheet 3

Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Oil and gas	8/15/46	MONTANA	Structure-contour map of the Montana plains.	Photolith; price 25¢. The map gives complete information, within limitations of the scale, on surficial cover, bedrock geology, and the structure of the formations most likely to yield oil and gas for any area or locality on the Montana plains.	By C. E. Dobbin and C. E. Erdmann. Revision of 1932 and 1935 editions by same authors.
Oil and gas	12/10/46	MONTANA Glacier Pondera Toole	Structure-contour map of Cut Bank-West Kevin-Border districts, Glacier, Toole, and Pondera Counties, Montana.	Photolith; price 25¢. Map shows 100-foot contours on top of the Colorado shale, with an interpretation of faulting. It also shows stratigraphy of lower Kootenai productive sands, areal geology, culture, and field development.	By C. E. Erdmann, N. A. Davis, W. Beer, and J. W. Nordquist. Revision of earlier edition of 1939.
Oil and gas	12/24/46	MONTANA Toole	New maps of Kevin-Sunburst oil field issued.	Price 20¢. 2 sheets. Sheet A: Map of the areal and structural geology of T. 35 N., R. 4 W., Toole County, Montana. Sheet B: Map showing contours on eroded surface of Madison limestone and wells reaching the Madison, T. 35 N., R. 4 W., Toole County, Montana.	By C. E. Erdmann, A. B. Cossens, J. T. Gist, and J. W. Nordquist. Sheet A shows culture, well status, surface geology, geologic structure (20-foot contours on top of Colorado shale), and a composite section. Sheet B shows 20-foot contours on the eroded surface of the Madison limestone, wells that reached the Madison, and a standard well log.
Oil and gas	4/24/47	MONTANA Toole	A second Kevin-Sunburst map issued.	Photolith; price 20¢ for 2 sheets. Map No. 2- Sheets A: Map of the areal and structural geology of T. 35 N., R. 3 W., Toole County, Montana, showing oil pools in West Kevin district, Kevin-Sunburst oil field. Sheet B: Map showing contours on eroded surface of Madison limestone and wells reaching the Madison, T. 35 N., R. 3 W., Toole County, Mont.	By C. E. Erdmann, J. T. Gist, G. W. Beer, and J. W. Nordquist. Sheet A shows several untested and hitherto unrecognized structural features, as well as culture, well status, and surface geology. Sheet B shows 20-foot contours on the eroded surface of the Madison limestone.
Oil and gas	4/25/47	MONTANA Toole	A third Kevin-Sunburst map issued.	Map No. 3- Sheet A: Map of the areal and structural geology of T. 36 N., R. 3 W., Toole County, Montana, showing Thorpe Pool, and north end of West Kevin district; Kevin-Sunburst oil field. Photolith; price 20¢ for 2 sheets. Sheet B: Map showing contours on eroded surface of Madison limestone, and wells reaching the Madison.	By C. E. Erdmann, J. T. Gist, and J. W. Nordquist. Sheet A shows culture, development, well status, surface geology, and geologic structure by 20-foot contours drawn on top of Colorado shale; also a composite section of about 815 feet of exposed rocks. Sheet B shows 20-foot contours on the eroded surface of the Madison limestone, a well log, and a note on oil production in the Thorpe Pool.
Oil and gas		NEW MEXICO	See also <u>Colorado</u> .		
Oil and gas	2/17/39	NEW MEXICO Harding	Geologic structure of the Bueyeros carbon dioxide area.	Photolith; free.	By J. C. Miller and M. Q. Dametell. Mapped September, October 1938. Contoured on top of Wingate sandstone.
Oil and gas	12/20/45	NEW MEXICO Eddy	Engineering report on the Grayburg Cooperative, a unit area.	Various maps in report; free.	12 pages of text with 10 maps and charts.
Oil and gas	9/3/40	WYOMING Sweetwater	Geologic map and sections of the northern part of the Baxter Basin gas field, Sweetwater County, Wyo.	Photostat; free.	By W. B. Kramer, G. G. Frazier, R. McMillan, and J. G. Cox. Mapped July, September 1939. Contoured on marker bed in Baxter shale.

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Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Oil and gas	12/7/45	WYOMING Hot Springs Park	Geologic and structure map of the Little Buffalo Basin oil and gas field.	Photolith; price 15¢. Geologic and structure map of the Little Buffalo Basin oil and gas field and vicinity, Park and Hot Springs Counties, Wyoming.	By T. F. Stipp and H. F. French. 1944. Contoured on top of the Tenleep sandstone.
Oil and gas	1/28/46	WYOMING Big Horn Park	New geologic and structure contour map of Garland and Byron anticlines, Big Horn and Park Counties, Wyo.	Photolith; price 10¢.	By C. E. Dobbin, J. C. Miller, K. L. Walter, and D. G. Vieaus. Contoured on top of the Tenleep sandstone.
Oil and gas	4/16/46	WYOMING Park	Engineering report on the water problem in the Embar formation of the South Oregon Basin field, Wyo.	None.	Press release placed "Engineering report on the water problem in the Embar formation of the South Oregon Basin field, Wyoming", by R. D. Ferguson and W. A. Milek in open file. Also 2 maps, 5 cross sections, 4 illustrations, and 12 tables. Contour map shows saturation of the Embar formation.
Oil and gas	7/28/47	WYOMING Weston	Wyoming County contour map issued.	Price 10¢. A map showing the areal and structural geology of the Mush Creek field, depicting 144 square miles on a scale of 1"=1 mile.	Mapped under the direction of C. E. Dobbin, by George H. Horn and J. Alliger. Shows areal distribution of the Upper Cretaceous Pierre shale, Fox Hills sandstone, and Lance formations exposed in the area, and the locations of wells drilled for oil. The structural geology is shown by a cross section and by 100-foot contours on top of the New Castle sandstone member of the Groveros shale.

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Water and power sheet 1

Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Potash, water and water power	1/13/41	NEW MEXICO Eddy	Electrical resistivity determinations over the potash area near Carlsbad, N. Mex.	None.	Press release placed a 32-page report, "Electrical resistivity determinations over the potash area near Carlsbad, N. Mex.", with 4 maps and 6 illustrations in open file.
Mining	5/6/40	OKLAHOMA	Map of segregated Choctaw and Chickasaw Indian coal lands in Oklahoma available for inspection.	None.	Press release placed "Map of segregated Choctaw and Chickasaw Indian coal lands in Oklahoma", available for inspection in open file.
Water and power		ARIZONA	See also <u>Colorado, Utah, New Mexico</u> .		
Water and power	4/19/39	ARIZONA Yavapa	Map of Verde River, Arizona.	Price 10¢ sheet.	1 plan sheet, 1 sheet with dam sites, 1 profile sheet.
Water and power	6/12/39	ARIZONA Greenlee NEW MEXICO Catron	Map of San Francisco River, Arizona and New Mexico.	Photolith. Price 10¢ per sheet-4 sheets. Plan and profile, San Francisco River, Arizona and New Mexico, from mouth to mile 77 dam site. Topography by F. W. Cottrell and J. N. Saint.	Field work done in 1934-35. Press release placed 4 maps in open file in offices of the U.S. Geological Survey, Federal Works Agency Building, Washington, D. C.; 148 New Customhouse, Denver, Colo.
Water and power	8/19/40	ARIZONA Coconino Navajo Apache	Geology of some dam sites on Little Colorado River and its tributaries, Ariz.	None.	Press release placed a 50-page report, "Geology of some dam sites on Little Colorado River and its tributaries, Arizona", in open file. The report is accompanied by 11 maps and 14 illustrations.
Water and power	11/23/40	ARIZONA Mohave	Geology of some dam sites on the Williams River and Kirkland Creek, Arizona.	None.	Press release placed a 15-page report, "Geology of some dam sites on the Williams River and Kirkland Creek, Arizona", in open file. The report is accompanied by 2 maps and 6 illustrations.
Water and power	9/8/41	ARIZONA Apache Coconino Navajo	Depth to bedrock indicated by geophysical measurements at dam sites in the Little Colorado River Basin.	None.	Press release placed a 25-page report, "Depth to bedrock indicated by geophysical measurements at dam sites in the Little Colorado River Basin", in open file. The report is accompanied by 17 diagrams and maps.
Water and power	12/8/38	CALIFORNIA Lake Napa Solano Yolo	Map of Putah Creek, Calif.	Price 10¢ sheet.	2 sheets showing plan and dam sites.
Water and power	12/8/38	CALIFORNIA Fremont	Map of Kings River, Calif.	Price 10¢ sheet.	5 plan sheets, 1 profile sheet.
Water and power	6/23/39	CALIFORNIA Colusa Yolo	Map of Cach Creek, Calif.	Price 10¢ sheet.	1 plan sheet, 1 profile sheet, 1 sheet showing dam sites.
Water and power	6/23/39	CALIFORNIA Humboldt Trinity	Map of Trinity River, Calif.	Price 10¢ sheet.	3 plan sheets, 1 profile sheet.
Water and power	10/26/40	CALIFORNIA Nevada Placer Sierra Yuba	Map of Yuba River tributaries, Calif.	Price 10¢ sheet.	8 plan sheets, 6 of which show dam sites and 4 profile sheets.

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Water and power sheet 2

Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Water and power	5/2/41	CALIFORNIA Alpine	Geology of Marklee-ville dam site.	None.	Press release placed a 7-page report, "Geology of Markleeville dam site", in open file. The report is accompanied by 1 map and 1 illustration.
Water and power	7/6/43	CALIFORNIA Tehama	Water-power resources of Mill Creek and Deer Creek, Calif.	Typescript report and mimeographed copies of text and tables.	Typescript report. 64 pages of text, 7 maps, 6 illustrations, Mimeographed copy, 45 pages.
Water and power		COLORADO	See also <u>Utah, New Mexico.</u>		
Water and power	3/22/39	COLORADO Gunnison Montrose	Map of Gunnison River, Colo.	Price 10¢ sheet.	5 plan sheets, 3 profile sheets.
Water and power	8/25/39	COLORADO Garfield Gunnison Pitkin	Map of Crystal River, Colo.	Price 10¢ sheet.	1 plan sheet, 1 sheet showing dam site.
Water and power	8/25/39	COLORADO Eagle Pitkin	Map of Fryngpan Creek, Colorado.	Price 10¢ sheet.	1 plan sheet showing plan and dam site. 1 profile sheet.
Water and power	10/12/39	COLORADO Eagle Garfield	Map of Cattle Creek, Colorado.	Price 10¢ sheet.	1 plan sheet.
Water and power	7/5/40	COLORADO Grand	Map of Troublesome Creek, Colorado.	Price 10¢ sheet.	1 plan sheet, 1 profile sheet.
Water and power	12/23/40	COLORADO Gunnison Montrose ARIZONA Apache Coconino Navajo	Estimates of depth to bedrock at some dam sites in the Gunnison, Little Colorado, and Zuni River basins on resistivity determinations.	None.	Press release placed a 47-page report, "Estimates of depth to bedrock at some dam sites in the Gunnison, Little Colorado, and Zuni River basins on resistivity determinations", in open file. The report is accompanied by 48 illustrations.
Water and power	7/8/41	COLORADO Garfield Pitkin	Map of Roaring Fork, Colorado.	Price 10¢ sheet.	3 plan sheets, 2 profile sheets.
Water and power	6/19/47	COLORADO Routt	Contour map of Yampa River from mouth of Elk River to Mile 73.	Price 10¢ sheet.	4 plan sheets, 1 dam site sheet.
Water and power	11/18/38	IDAHO Kootenai Shoshone	Map of Coeur d'Alene River, Idaho.	Price 10¢ sheet.	4 plan sheets, 2 profile sheets.
Water and power	8/17/39	IDAHO Bingham Bonnevillle Cassia Fremont Madison Power	Map of Snake River and Henry's Fork, Idaho.	Price 10¢ sheet.	12 plan sheets, 7 profile sheets.
Water and power	10/8/40	IDAHO Oneida	Map of Devil and Deep Creeks, Idaho.	Price 10¢ sheet.	2 sheets showing dam sites, 1 sheet showing profile.
Water and power		MONTANA	See also <u>Wyoming.</u>		



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Water and power sheet 3

Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Water and power	10/23/39	MONTANA Flathead	Map of South Fork of Flathead River, Montana.	Price 10¢ sheet.	3 plan sheets, 3 profile sheets.
Water and power	1/4/46	MONTANA Lincoln Sanders	Report on geologic reconnaissance of Clark Fork-Kootenai River area, Mont.	Mimeographed. Limited number for free distribution.	By C. E. Erdmann.
Water and power		NEW MEXICO	See <u>Arizona, Utah.</u>		
Water and power	1/12/40	NEW MEXICO Arriba	Map of Rio Chama and tributaries, New Mexico.	Price 10¢ sheet.	6 plan sheets and dam sites, 2 profile sheets.
Water and power		NEVADA	See also <u>Idaho.</u>		
Water and power	7/29/39	NEVADA Lincoln	Map of Pahrnagat Valley, Nevada.	Price 10¢ sheet.	1 sheet.
Water and power	6/18/40	NEVADA Elko	Map of Mary's River, Nevada.	Photolith; price 10¢ per sheet. Plan of Mary's River from mouth to mile 70, Nevada. Hank's Creek to mile 5 dam sites. Topography by C. H. Wainwright and J. J. Walsh.	Field work 1934-35. 3 sheets showing plan and dam sites. Press release placed maps in open file at U. S. Geological Survey offices at Federal Works Agency Building, Washington, D. C.; 1452 Del Paso Boulevard, North Sacramento, California; and Room 619, Post Office Building, Portland, Ore.
Water and power	7/5/40	NEVADA Elko	Map of south fork Humboldt River, Nevada.	Price 10¢ sheet.	2 plan sheets, 2 profile sheets.
Water and power	9/20/40	NEVADA Humboldt	Map of Quinn River, Nevada.	Price 10¢ sheet.	1 plan sheet.
Water and power	12/28/40	NEVADA Humboldt	Geology of several dam sites on tributaries of the Humboldt River, Nevada.	None.	Press release placed a 21-page report, "Geology of several dam sites on tributaries of the Humboldt River, Nevada", in open file. The report is accompanied by 3 maps and 10 illustrations.
Water and power	11/19/38	NEW MEXICO Arriba Santa Fe	Map of Rio Grande in New Mexico.	Price 10¢ sheet.	1 plan sheet, 1 profile sheet.
Water and power	8/25/39	NEW MEXICO Eddy Gunnison	Map of the Rio Penasco, New Mexico.	Price 10¢ sheet.	2 plan sheets 1 profile sheet.
Water and power	8/25/38	OREGON Lake	Water utilization in the basin of the Chewaucan River, Oregon.	None.	Press release placed a 51-page report, "Water utilization in the basin of the Chewaucan River, Oregon", and 4 maps in open file.
Water and power	9/21/38	OREGON Clatsop Tillamook Washington	Storage possibilities on Nehalem River, Oregon.	None.	Press release placed a 42-page report "Storage possibilities on Nehalem River, Oregon", in open file. Included are 2 maps and 10 figures and illustrations.
Water and power	10/13/38	OREGON Linn	Contour map of South Santiam River.	Price 10¢ sheet.	4 plan sheets, 1 profile sheet.
Water and power	1/25/39	OREGON Douglas	Water utilization in the basin of South Umpqua River, Oregon.	None.	Press release placed a 33-page report, "Utilization in the basin of South Umpqua River, Oregon", in open file. The report includes 5 maps and 10 figures.

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Water and power sheet 4

Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Water and power	2/16/39	OREGON Douglas	Map of South Umpqua River, Oregon.	Price 10¢ sheet.	2 sheets showing plan and dam sites. 1 profile sheet.
Water and power	4/13/39	OREGON Douglas	Map of Cow Creek, Oregon.	Price 10¢.	1 plan sheet.
Water and power	6/23/39	OREGON Hood River	Map of Hood River, Oregon.	Price 10¢ sheet.	2 plan sheets, 2 profile sheets.
Water and power	10/9/39	OREGON Lake	Map of Deep Creek and Camas Creek, Oregon.	Price 10¢.	2 plan sheets, 1 profile, 1 sheet showing dam sites.
Water and power	4/6/40	OREGON Jackson	Map of Applegate River, Oregon.	Price 10¢ sheet.	1 plan sheet, 1 profile sheet, 1 sheet showing dam sites.
Water and power	11/26/40	OREGON Clackamas	Water-power resources of Sandy River Basin, Ore.	None.	Press release placed "Water-power resources of Sandy River Basin, Oregon", in open file.
Water and power	9/23/42	OREGON Jackson Josephine	Water utilization in tributaries of the Rogue River.	None.	Press release placed a 110-page report, "Water utilization in tributaries of the Rogue River" in open file. The report is accompanied by 10 maps and 30 diagrams.
Water and power	1/22/46	OREGON Wasco	Report on water utilization in White River Basin.	None.	Press release placed "Report on water utilization in White River Basin" by R. O. Helland in open file.
Water and power	3/18/47	OREGON Jackson Clatsop Columbia Tillamook Washington Yamhill Polk	Report on geologic conditions at 19 dam sites.	None.	Press release placed "Report on geologic conditions at 19 dam sites" by A. M. Piper in open file.
Water and power	8/29/47	OREGON	Grande Ronde water diversion discussed.	None.	Press release placed "Grande Ronde water diversion discussed" by R. O. Helland in open file. The report describes a possibility for diversion of the Grande Ronde River to the Umatilla and Walla Walla River drainage basins for irrigation. The report is in open file at Geological Survey offices in Portland, Oregon, and Washington, D. C.
Water and power	7/26/39 1946	UNITED STATES	Potential water power in the United States.	None.	5 pages (mimeographed). Revision of earlier estimates.
Water and power	5/25/39	UTAH Garfield Kane Piute	Map of the upper Sevier River and tributaries, Utah.	Price 10¢ sheet.	7 plan sheets, 1 of which shows reservoir sites.
Water and power	8/20/41	UTAH Summit WYOMING Uinta	Map of Bear River, Utah-Wyoming.	Price 10¢ sheet.	10 plan sheets, 3 dam sites sheets.

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Water and power sheet 5

Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Water and power	2/22/45	UTAH Summit WYOMING Uinta COLORADO Gunnison Hinsdale ARIZONA Apache Navajo NEW MEXICO Rio Arriba	Dam sites in the Bear River, Colorado River, and Rio Grande basins.	None.	Press release placed a 120-page report, "Dam sites in the Bear River, Colorado River, and Rio Grande basins" in open file. The report is accompanied by 22 maps and 38 illustrations.
Water and power	9/16/38	WASHINGTON Clark Cowlitz Skamania	Contour map of Lewis River, Wash.	Price 10¢ sheet.	4 plan sheets, 4 profile sheets, 2 sheets showing dam sites.
Water and power	10/13/38	WASHINGTON Skagit Snohomish	Contour map of Sauk River.	Price 10¢ sheet.	2 plan sheets, 1 profile sheet. 1 sheet showing dam sites.
Water and power	11/18/38	WASHINGTON Okanogan	Map of Similkameen River, Wash.	Price 10¢ sheet.	2 sheets showing plan and dam sites.
Water and power	6/23/39	WASHINGTON Cowlitz Skamania	Map of Toutle River, Wash.	Price 10¢ sheet.	3 plan sheets, 2 profile sheets.
Water and power	10/8/40	WASHINGTON Grays Harbor Jefferson	Map of East Fork, Quinault River, Wash.	Price 10¢ sheet.	1 sheet showing plan and profile.
Water and power	8/18/41	WASHINGTON King	Map of north and south forks of Tolt River and Tokul Creek.	Price 10¢ sheet.	1 plan sheet, 1 profile sheet, 1 sheet showing dam sites.
Water and power	9/23/42	WASHINGTON Skagit Whatcom	Geology of miscellaneous dam and tunnel sites in upper basin of Nooksack River, Wash.	None.	Press release placed a 217-page report, "Geology of miscellaneous dam and tunnel sites in upper basin of Nooksack River, Wash.", in open file. The map is accompanied by 9 maps and plates and 36 illustrations.
Water and power	1/8/44	WASHINGTON Cowlitz Skamania	Geology of three dam sites on Toutle River, Wash.	None.	Press release placed a 116-page report, "Geology of three dam sites on Toutle River, Wash.", in open file. The report is accompanied by 8 maps and diagrams and 14 illustrations.
Water and power	2/12/44	WASHINGTON Lewis	Preliminary report on the geology of miscellaneous dam sites on Cowlitz River above Castle Rock, Washington.	None.	Press release placed a 127-page report, "Preliminary report on the geology of miscellaneous dam sites on Cowlitz River above Castle Rock, Washington", in open file. The map is accompanied by 9 maps and cross sections.
Water and power	12/5/45	WASHINGTON Skagit Whatcom	Power development and land reclamation possibilities of the Nooksack River Basin, Wash.	Mimeographed. Limited number for free distribution.	By R. O. Helland.
Water and power	9/24/46	WASHINGTON Walla Walla	Contour map of Touchet River.	Price 10¢ sheet.	2 plan sheets, 1 profile sheet.
Water and power	6/1947	WASHINGTON Clallam	Contour map of Dungeness River.	Price 10¢ sheet.	1 sheet, plan and profile.

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Water and power sheet 6

Commodity	Release date	STATE County	Title of press release	Maps distributed	Remarks
Water and power	6/1947	WASHINGTON Clark	Contour map of Salmon Creek.	Price 10¢ sheet.	1 plan sheet.
Water and power	4/1/39 1/31/41 1/8/42 1945	WORLD	Developed and potential water power of the world.	Mimeographed; free. Six sheets.	Revised editions, started in 1925. Ten estimates have been issued.
Water and power		WYOMING	See also <u>Utah</u> .		
Water and power	10/9/39	WYOMING Albany Platte	Map of Laramie River, Wyoming.	Price 10¢ sheet.	7 plan sheets, 3 profile sheets.
Water and power	1/12/40	WYOMING Carbon	Map of Savery Creek, Wyo.	Price 10¢ sheet.	1 plan sheet, 1 sheet showing dam sites.