GEOTHERMAL ENERGY DEVELOPMENT IN IDAHO

Current and Potential

1979

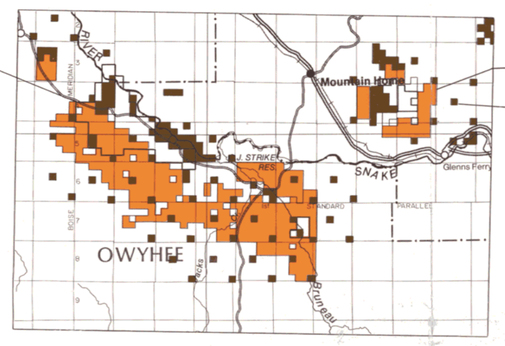
IDAHO OFFICE OF ENERGY

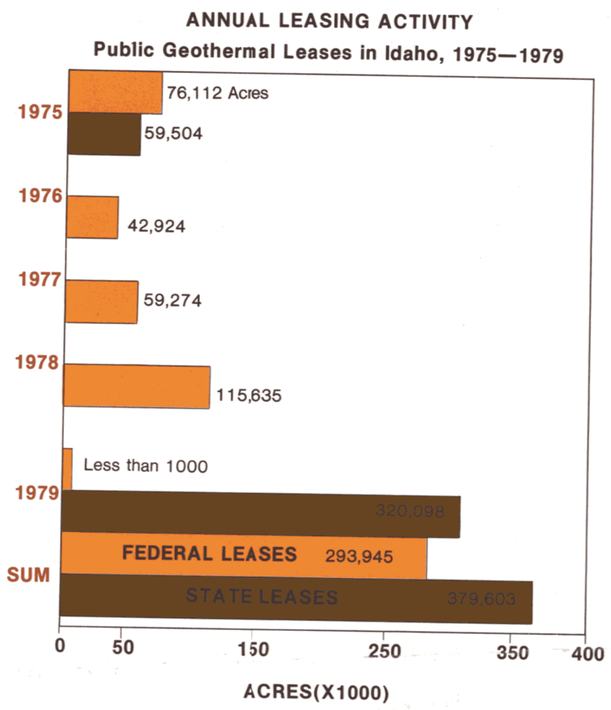
Scale 1:1,000,000

0 5 10 20 30 40 Miles

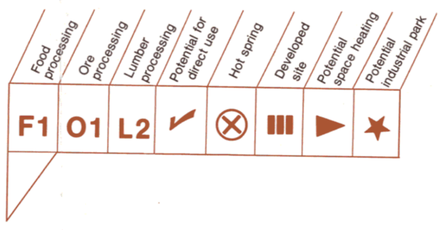
0 5 10 20 30 40 Kilometers

Base map by The Cartographics Laboratory





MAP LOCATION DATA BAR



Map symbols are located within a data bar.

Each map symbol, when it occurs, occupies only the position shown in the bar above.

The data bar can be used to compare the characteristics of different map locations.

- F1 One Food Processing Plant.
- O1 One Ore Processing Plant.
- L2 Two Lumber Processing Plants.
- Industry with Potential for Direct Use of Geothermal Energy.
- Hot Springs. (Sites with geochemical thermometry indicating temperatures of 150° C. or greater, as identified by the Idaho Department of Water Resources).
- Locations with Developed Geothermal Resources.
- Communities with Potential Geothermal Energy.
- Geothermal Sites with Potential for New Industrial Parks (as identified by the Idaho Office of Energy).

Cities and Towns

- Over 25,000
- 3500 - 25,000
- Under 3500

ENERGY CONSUMPTION BY MAJOR IDAHO INDUSTRIES

State Ranking	Company Name	Location	Type of Processing	Total Energy Demand (10^9 BTU/yr)
1	Potlatch Corporation, Paper Products Div.	Lewiston	Pulp & Paper Mill	11,368
2	FMC Corporation	Pocatello	Elemental Phosphorus	6,959
3	Monsanto Chemical Corporation	Soda Springs	Phosphorus	5,676
4	J.R. Simplot Fertilizer	Pocatello	Phosphorus Fertilizers	4,655
5	Bunker Hill	Kellogg	Lead & Zinc Smelting	4,539
6	Potlatch Corporation, Wood Products Div.	Lewiston	Lumber & Plywood	3,313
7	U & I Sugar Company	Idaho Falls	Sugar Beet Pulp	2,011
8	Amalgamated Sugar Co.	Nampa	Sugar Beet Pulp	1,972
9	Boise Cascade Corp.	Emmett	Lumber & Plywood	1,715
10	Amalgamated Sugar Co.	Twin Falls	Sugar Beet Pulp	1,607
11	Idaho-Portland Cement	Inkom	Portland Cement	1,527
12	J.R. Simplot Food Division	Caldwell	Frozen Potatoes, Dehydrated Potatoes	1,456
13	J.R. Simplot Food Division	Heyburn	Frozen Potatoes	1,140
14	American Potato Co.	Blackfoot	Potato Granules	1,042
15	Rogers Brothers Co.	Idaho Falls	Potato Flakes, Slices	1,000
16	Potlatch Corp.	Pierce	Plywood	992
17	Idaho Forest Industries, Atlas Mill	Coeur d'Alene	Lumber	810
18	Wickes Forest Industries	Grangeville	Lumber	885
19	Lamb-Weston, Inc.	American Falls	Frozen Potatoes	820
20	Idaho Forest Industries, DeArmond Mill	Coeur d'Alene	Lumber	810
21	ORE-IDA Food Inc.	Burley	Frozen Potatoes	770
22	Potlatch Corp.	St. Maries	Lumber & Plywood	746
23	R.T. French Co.	Shelley	Potato Granules	727
24	Idaho Frozen Foods	Twin Falls	Potatoes	622
25	Potlatch Corp.	Coeur d'Alene	Lumber	535
26	Boise Cascade	Cascade	Lumber & Plywood	390
27	Carnation Foods	Nampa	Frozen Potatoes	379
28	Diamond International Corporation	Coeur d'Alene	Lumber	351
29	Del Monte Corp.	Burley	Potatoes	320
30	Bennett Lumber Prod.	Princeton	Lumber	297
31	J.R. Simplot Food Division	Aberdeen	Frozen Potatoes	288
32	Jones Normal Foods	Lewiston	Peas	270
33	Rogers Brothers Co.	Rexburg	Potato Flakes, Slices, Hashbrowns	240
34	Potlatch Corp.	Post Falls	Particleboard	236
35	Kerr McGee Chemical Company	Soda Springs	Vanadium Pentoide	220
36	Nonparcil Corp.	Blackfoot	Potato Flakes	212
37	Green Giant Co	Buhl	Corn Canning & Freezing	83
38	American Fine Foods	Payette	Bean & Corn Cannery	41
39	Twin City Frozen	Lewiston	Frozen Peas	23

SOURCES

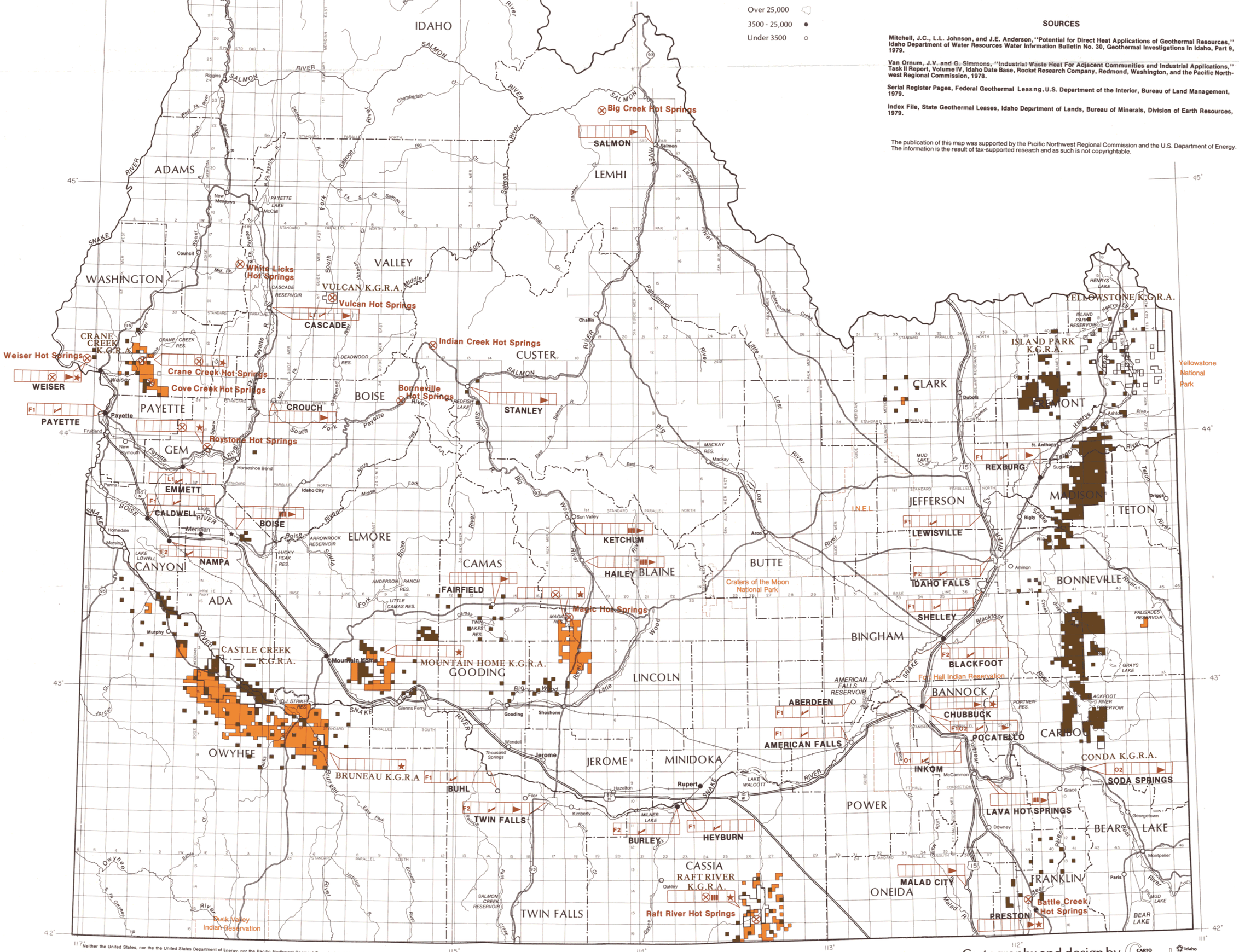
Mitchell, J.C., L.L. Johnson, and J.E. Anderson, "Potential for Direct Heat Applications of Geothermal Resources," Idaho Department of Water Resources Water Information Bulletin No. 30, Geothermal Investigations In Idaho, Part 9, 1979.

Van Ornum, J.V. and G. Simmons, "Industrial Waste Heat For Adjacent Communities and Industrial Applications," Task II Report, Volume IV, Idaho Date Base, Rocket Research Company, Redmond, Washington, and the Pacific Northwest Regional Commission, 1978.

Serial Register Pages, Federal Geothermal Leasng, U.S. Department of the Interior, Bureau of Land Management, 1979.

Index File, State Geothermal Leases, Idaho Deprtment of Lands, Bureau of Minerals, Division of Earth Resources, 1979.

The publication of this map was supported by the Pacific Northwest Regional Commission and the U.S. Department of Energy. The information is the result of tax-supported research and as such is not copyrightable.



Neither the United States, nor the the United States Department of Energy, nor the Pacific Northwest Regional Commission, nor any of their employees, nor any of their contractors, subcontractors, or their employees makes any warranty, expressed or implied, or assumes any usefulness of information, or represents that its use would not infringe privately owned rights. The statements and findings and conclusions and recommendations contained in the map are solely those the Idaho Office of Energy and do not necessarily reflect the views of the Commission or the U.S. DOE.

Cartography and design by CARTO GRAPHICS Idaho