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Vale, Malheur County, Oregon

- Berg, J.Q., Jr., Theruvathukal, J.W., 1967, Complete Bouguer Gravity Anomaly Map of Oregon: Oregon Dept. of Geol. and Min. Ind., Map GMS4b.
- Blackwell, D.D., et.al., 1978, Heat Flow of Oregon: Oregon Dept. Geol. and Min. Ind., Spec. Paper 4.
- Bodvarsson, Couch, MacFarlane, et.al., 1974, Telluric Current Exploration for Geothermal Anomalies in Oregon: Ore Bin, v. 36, no. 6, p. 93-107.
- Boler, F., Lillie, R.J., et.al., 1978, Crustal Structure of the Vale-Owhyhee, Oregon Geothermal Area (abs): EOS (American Geophysical Union Transactions), v. 59, no. 12, p. 1200.
- Bowen, R.G., Blackwell, D.D., 1975, Geothermal Studies and Exploration in Oregon: Oregon Dept. of Geol. and Min. Ind., Open File Report-0-75-7.
- Bowen, R.G., and Blackwell, D.D., 1975, The Cow Hollow Geothermal Anomaly, Malheur County, Oregon: Ore Bin, v. 37, no. 7.
- Bowen, R.G., Peterson, N.V., 1970, Thermal Springs and Wells of Oregon: Oregon Dept. of Geol. and Min. Ind., Misc. Paper 14.
- Bowen, R.G., Blackwell, D.D., and Hull, D.A., 1977, Geothermal Exploration Studies in Oregon: Oregon Dept. of Geol. and Min. Ind., Misc. Paper 19.
- Bowen, R.G., Peterson, N.V., and Riccio, J.F., 1978, Low to Intermediate Temperature Thermal Springs and Wells in Oregon: Oregon Dept. of Geol. and Min. Ind., Geol. Map Series #10.
- Brott, C.A., 1978, Tectonic Implications of the Heat Flow of the Western Snake River Plain, Idaho: Geol. Soc. Am., Bull., v. 89, p. 1697-1707.
- Bureau of Land Management, 1975, Proposed Geothermal Leasing - Vale Addition; Environmental Analysis Record, Vale District: BLM.
- Cocoran, R.E., et.al., 1962, Geology of the Mitchell Butte Quad., Oregon: Oregon Dept. of Geol. and Min. Ind., GMS-2.
- Couch, R.W., 1977, Analysis of Geophysical Data Pertaining to the Vale KGRA, Final Report to the Vale Geothermal Research Program: USGS Grant 14-001-6-222.
- Couch, R.E., French, W., et.al., 1975, Geophysical Measurements in the Vale, Oregon Geothermal Resource Area: Ore Bin, v. 37, no. 8.
- Hull, D.A., 1975a, Geothermal Studies in the Vale Area, Malheur County, Oregon: Ore Bin, v. 37, p. 104-106.
- \_\_\_\_\_ 1975b, Geothermal Gradient Data, Vale Area, Malheur County, Oregon: Oregon Dept. of Geol. and Min. Ind., Open File Report 0-75-4, p. 18.

- Hull, D.A., Bowen, R.G., Blackwell, D.D. and Peterson, N.V., 1977b, Preliminary Heat Flow Map and Evaluation of Oregon's Geothermal Energy Potential: Ore Bin, v. 30, p. 109-123.
- Hull, D.A., Blackwell, D.D., Bowen, R.B., Peterson, N.V., and Black G.L., 1977c, Geothermal Gradient Data: Oregon Dept. of Geol. and Min. Ind., Open File Report 0-77-2, p. 134.
- Hull, D.A., et.al., 1978, Geothermal Gradient Data: Oregon Dept. Geol. and Min. Ind., Open File Report 0-78-4.
- Justus, Debra, 1979, Geothermal Resources in Oregon: Site Data Base and Development States: OIT, Geothermal Heat Utilization Center/Oregon Energy Office.
- Larson, K., and Couch, R., 1975, Preliminary Gravity Maps of the Vale Area, Malheur County, Oregon: Ore Bin, v. 37, no. 8.
- Lillie, R.J., 1977, Subsurface Geologic Structure of the Vale, Oregon KGRA from the Interpretation of Seismic Reflection and Potential Field Data: Oregon State University, Corvallis, M.S. Thesis.
- Lillie, R.J., French, W.S., Couch, R.W., 1975, Preliminary Results of a Seismic Region Study in the Mitchell Butte Quad., Oregon: Ore Bin, v. 37, no. 7.
- Lineau, P.J., 1978, Agribusiness Geothermal Energy Utilization Potential of Klamath and West Snake River Basins, Oregon: DOE/DGE Final Tech Report, IDO/1621-I.
- Long, C.L., Hoover, D.G., and Bransue, E., 1976, Audio-Magnetotelluric, Apparent Resistivity Maps, Weiser, Idaho - Vale, Oregon: USGS, Open File Report 75-103.
- MacLeod, N.S., Walker, G.W., and McKee, E.H., 1976, Geothermal Significance of Eastward Increase in Age of Late Cenozoic Rhyolite Domes in South-eastern Oregon in Proc. 2nd U.N. Symposium in the Development and Use of Geothermal Potential: Wash., D.C., U.S. Government Printing Office, p. 465-474.
- Mariner, J.B., et.al., 1975, The Minor and Trace Elements, Gas and Isotope Compositions of the Principal Hot Springs of Nevada and Oregon: USGS Open File Report 75-000.
- Mariner, J.B., Rapp, L.M., Willey, L.M., and Preser, T.S., 1974, The Chemical Composition and Estimated Minimum Reservoir Temperature of Selected Hot Springs, Oregon: USGS Open File Report 74-1067.
- Miller, P.J.B., 1975, The Geology and Scenery of the Snake River on the Id-Org Border from Brownlee-Dam to Hells Canyon Dam: Idaho Bureau of Mines and Geology, Information Circ. 28.
- Newton, V.C., and Cocoran, R.E., 1963, Petroleum Geology of the Western Snake River Plain Basin: Oregon Dept. of Geol. and Min. Ind., Oil and Gas Invest. 1.

Oregon Dept. of Geol. and Min. Ind., 1979, Laws and Admin. Rules Relative to Geothermal Exploration and Development in Oregon: ODGMI, Misc. Paper, no. 4, part 2.

Riccio, J.F., 1978, Preliminary Geothermal Resource Map of Oregon: Oregon Dept. of Geol. and Min. Ind., GMS-11.

Sass, J.H., Galanis, S.D., Jr., Munroe, R.J., Urban, T.C., 1976, Heatflow Data from Southeastern Oregon: USGS, Open File Report 76-217.

Storm, A.B., 1975, Stratigraphy and Petrology of the Grassy Mountain Formation, Malheur County, Oregon: University of Oregon, Eugene.

U.S.G.S., Geothermal Resources File (Geotherm) Revision 8, Computer Data.

U.S.G.S., 1977, Geologic Map of Oregon, East of 121st Meridian: USGS, I-902.

U.S.G.S., and ODGMI, 1979, Chemical Analysis of the Springs and Wells in Oregon: Oregon Dept. of Geol. and Min. Ind., Open File Report 0-79-3.

VanOrstrand, C.E., 1938, Temperatures in the Lava Beds of East-Central and South-Central Oregon: Am. Jour. Sci., 5th Ser., v. 35, no. 205, p. 22-46.

Walker, G.E., 1969, Geology of the High Lava Plains Province in Mineral and Water Resources of Oregon: Oregon Dept. Geol. and Min. Ind., Bull. 64, pp. 77-79.

\_\_\_\_\_, 1979, Revisions to the Cenozoic Stratigraphy of the Harney Basin, Southeastern Oregon: USGS, Bull. 1475.

Walker G.W., 1970, Cenozoic Ash Flow Tuffs of Oregon: Ore Bin, v. 32, p. 97-115.

\_\_\_\_\_, 1974, Some Implications of Late Cenozoic Volcanism to Geothermal Potential in the High Lava Plains of South-Central Oregon: Ore Bin, v. 36, no. 7, p. 109-119.

Vale, Malheur County, Oregon

Berg, J.Q., Jr., Theruvathukal, J.W., 1967, Complete Bouguer Gravity Anomaly Map of Oregon: Oregon Dept. of Geol. and Min. Ind., Map GMS4b.

Blackwell, D.D., et.al., 1978, Heat Flow of Oregon: Oregon Dept. Geol. and Min. Ind., Spec. Paper 4.

Bodvarsson, Couch, MacFarlane, et.al., 1974, Telluric Current Exploration for Geothermal Anomalies in Oregon: Ore Bin, v. 36, no. 6, p. 93-107.

Marriott Boler, F., Lillie, R.J., et.al., 1978, Crustal Structure of the Vale-Owhyhee, Oregon Geothermal Area (abs): EOS (American Geophysical Union Transactions), v. 59, no. 12, p. 1200.

(0.0) Bowen, R.G., Blackwell, D.D., 1975, Geothermal Studies and Exploration in Oregon: Oregon Dept. of Geol. and Min. Ind., Open File Report-0-75-7.

Bowen, R.G., and Blackwell, D.D., 1975, The Cow Hollow Geothermal Anomaly, Malheur County, Oregon: Ore Bin, v. 37, no. 7.

replaced by GMS 10. Bowen, R.G., Peterson, N.V., 1970, Thermal Springs and Wells of Oregon: Oregon Dept. of Geol. and Min. Ind., Misc. Paper 14.

Bowen, R.G., Blackwell, D.D., and Hull, D.A., 1977, Geothermal Exploration Studies in Oregon: Oregon Dept. of Geol. and Min. Ind., Misc. Paper 19.

Bowen, R.G., Peterson, N.V., and Riccio, J.F., 1978, Low to Intermediate Temperature Thermal Springs and Wells in Oregon: Oregon Dept. of Geol. and Min. Ind., Geol. Map Series #10.

Brott, C.A., 1978, Tectonic Implications of the Heat Flow of the Western Snake River Plain, Idaho: Geol. Soc. Am., Bull., v. 89, p. 1697-1707.

(0.0) Bureau of Land Management, 1975, Proposed Geothermal Leasing - Vale Addition; Environmental Analysis Record, Vale District: BLM.

(0.0) Cocoran, R.E., et.al., 1962, Geology of the Mitchell Butte Quad., Oregon: Oregon Dept. of Geol. and Min. Ind., GMS-2.

(0.0) Couch, R.W., 1977, Analysis of Geophysical Data Pertaining to the Vale KGRA, Final Report to the Vale Geothermal Research Program: USGS Grant 14-001-6-222.

Couch, R.E., French, W., et.al., 1975, Geophysical Measurements in the Vale, Oregon Geothermal Resource Area: Ore Bin, v. 37, no. 8.

AREA - OR Malheur - Glen Hull, D.A., 1975a, Geothermal Studies in the Vale Area, Malheur County, Oregon: Ore Bin, v. 37, p. 104-106.

1975b, Geothermal Gradient Data, Vale Area, Malheur County, Oregon: Oregon Dept. of Geol. and Min. Ind., Open File Report 0-75-4, p. 18.

AREA-OR  
HT Flow

- Hull, D.A., Bowen, R.G., Blackwell, D.D. and Peterson, N.V., 1977b, Preliminary Heat Flow Map and Evaluation of Oregon's Geothermal Energy Potential: Ore Bin, v. 30, p. 109-123.
- Hull, D.A., Blackwell, D.D., Bowen, R.B., Peterson, N.V., and Black G.L., 1977c, Geothermal Gradient Data: Oregon Dept. of Geol. and Min. Ind., Open File Report O-77-2, p. 134.
- Hull, D.A., et.al., 1978, Geothermal Gradient Data: Oregon Dept. Geol. and Min. Ind., Open File Report O-78-4.
- Justus, Debra, 1979, Geothermal Resources in Oregon: Site Data Base and Development States: OIT, Geothermal Heat Utilization Center/Oregon Energy Office.
- Larson, K., and Couch, R., 1975, Preliminary Gravity Maps of the Vale Area, Malheur County, Oregon: Ore Bin, v. 37, no. 8.
- Lillie, R.J., 1977, Subsurface Geologic Structure of the Vale, Oregon KGRA from the Interpretation of Seismic Reflection and Potential Field Data: Oregon State University, Corvallis, M.S. Thesis.
- (00) Lillie, R.J., French, W.S., Couch, R.W., 1975, Preliminary Results of a Seismic Region Study in the Mitchell Butte Quad., Oregon: Ore Bin, v. 37, no. 7.
- Lineau, P.J., 1978, Agribusiness Geothermal Energy Utilization Potential of Klamath and West Snake River Basins, Oregon: DOE/DGE Final Tech Report, IDO/1621-I.
- Long, C.L., Hoover, D.G., and Bransue, E., 1976, Audio-Magnetotelluric, Apparent Resistivity Maps, Weiser, Idaho - Vale, Oregon: USGS, Open File Report 75-103.
- MacLeod, N.S., Walker, G.W., and McKee, E.H., 1976, Geothermal Significance of Eastward Increase in Age of Late Cenozoic Rhyolite Domes in Southeastern Oregon in Proc. 2nd U.N. Symposium in the Development and Use of Geothermal Potential: Wash., D.C., U.S. Government Printing Office, p. 465-474.
- Mariner, J.B., et.al., 1975, The Minor and Trace Elements, Gas and Isotope Compositions of the Principal Hot Springs of Nevada and Oregon: USGS Open File Report 75-0001.
- Mariner, J.B., Rapp, L.M., Willey, L.M., and Preser, T.S., 1974, The Chemical Composition and Estimated Minimum Reservoir Temperature of Selected Hot Springs, Oregon: USGS Open File Report 74-1067. **FICHE**
- Miller, P.J.B., 1975, The Geology and Scenery of the Snake River on the Id-Org Border from Brownlee-Dam to Hells Canyon Dam: Idaho Bureau of Mines and Geology, Information Circ. 28.
- Newton, V.C., and Cocoran, R.E., 1963, Petroleum Geology of the Western Snake River Plain Basin: Oregon Dept. of Geol. and Min. Ind., Oil and Gas Invest. 1.

Oregon Dept. of Geol. and Min. Ind., 1979, Laws and Admin. Rules Relative to Geothermal Exploration and Development in Oregon: ODGMI, Misc. Paper, no. 4, part 2.

AREA - OR

Riccio, J.F., 1978, Preliminary Geothermal Resource Map of Oregon: Oregon Dept. of Geol. and Min. Ind., GMS-11.

\_\_\_\_\_, 1979, *Geothermal Exploration in Oregon in 1978*; Oregon Geology V41 #3 p 37-46

Sass, J.H., Galanis, S.D., Jr., Munroe, R.J., Urban, T.C., 1976, Heatflow Data from Southeastern Oregon: USGS, Open File Report 76-217.

Storm, A.B., 1975, Stratigraphy and Petrology of the Grassy Mountain Formation, Malheur County, Oregon: University of Oregon, Eugene.

U.S.G.S., Geothermal Resources File (Geotherm) Revision 8, Computer Data.

U.S.G.S., 1977, Geologic Map of Oregon, East of 121st Meridian: USGS, I-902.

U.S.G.S., and ODGMI, 1979, Chemical Analysis of the Springs and Wells in Oregon: Oregon Dept. of Geol. and Min. Ind., Open File Report 0-79-3.

VanOrstrand, C.E., 1938, Temperatures in the Lava Beds of East-Central and South-Central Oregon: Am. Jour. Sci., 5th Ser., v. 35, no. 205, p. 22-46.

Walker, G.E., 1969, Geology of the High Lava Plains Province in Mineral and Water Resources of Oregon: Oregon Dept. Geol. and Min. Ind., Bull. 64, pp. 77-79.

\_\_\_\_\_, 1979, Revisions to the Cenozoic Stratigraphy of the Harney Basin, Southeastern Oregon: USGS, Bull. 1475.

Walker G.W., 1970, Cenozoic Ash Flow Tuffs of Oregon: Ore Bin, v. 32, p. 97-115.

\_\_\_\_\_, 1974, Some Implications of Late Cenozoic Volcanism to Geothermal Potential in the High Lava Plains of South-Central Oregon: Ore Bin, v. 36, no. 7, p. 109-119.

ELL

AREA - OR  
Lava - Tuff

AREA - OR  
Ceno - Tuff

# Vale OR - References

\* Blackwell DD, Hull DA, Bowen RG + Steele JK, 1978, Heat Flow of Oregon, Spec. Pap #4, DOGAMI

Bowen RG 1972, G.T. gradient studies in OR; ORE BIN 34 (4): 68-71

Bowen + Blackwell DD 1975, The Cowhollow G.T. anomaly, Malheur Co, OR; ORE BIN 37 (7): 109-121

Bowen RG + Peterson NV + Piccio JR 1978, low to inter med Temp thermal springs + wells in OR; OR DOGAMI, Geol Map Series #19.

Couch R + Baker B 1977, Geophysical investigations of the Cascade Rg in C. OR: Final Rpt, USGS grant no 14-08-0001-G-73 55 pg.

Couch, R, French W, Goussier M + Johnson A, 1975, Geophysical measurements in the Vale OR, G.T. Resource Area. ORE BIN 37 (8): 125-129.

Hull, D, 1975, G.T. Studies in the Vale area, Malheur Co, OR ORE BIN 37 (6): 104-106

" 1975b, G.T. grad. data, Vale area, Mal. Co., OR; OR DOGAMI OFR 0-76-1, 11p.

Hull, Blackwell DD, Bowen RG, Peterson NV, and Black GL, 1977c, G.T. gradient data; OR DOGAMI OFR 0-77-2, p 134.

Kittleman, L.R., Green AR, (+ 6 others) 1967, Geol Map of the Owyhee region, Mal. Co., OR; Mus of Nat Hist, Univ. of Ore. Bull # 8.

Kittleman L.R. 1973, Guide to the geol of the Owyhee region of OR; Mus of Nat Hist, Univ of OR, Bull # 21, 61p

19756, GT grad. data, Vale area, Mal. Co., OR;  
OR DOGAMI OFR 0-76-1, 11p.

Hull, Blackwell DD, Bowman RB, Peterson NU, and Black GL,  
1972c GT gradient data; OR DOGAMI  
OFR 0-77-2, p 134.

Kittleman, L.R., Green AR, (+ 6 others) 1967, Geol Map  
of the Owyhee region, Mal. Co., OR; Mus of Nat  
Hist, Univ. of Ore. Bull # 8.

Kittleman L.R. 1973, Guide to the geol of the Owyhee  
region of OR; Mus of Nat Hist, Univ of OR,  
Bull # 21, 61p

— Larson E + Couch R 1975, Prelim maps of the Vale area  
Mal. Co., OR; ORE BIN 37 (8): 138-142.

— Lillie R, 1977, Subsurface geol. struct of the Vale OR,  
KGRA from the interp of seismic refl + potential  
field data. MS thesis OR St. Univ 52p.

Godwin, LW (+ 6 others) 1971, Classif of public lands  
valuable for GT steam + assoc'd GT resources,  
USGS Circ 647

Remmer JH, White DE + Williams DL 1975, Hydrothermal  
convection systems, in assessment of GT  
resources of the US, White DE + Williams DL, eds;  
USGS Circ 726 p 5-57.

Trehan R (+ 5 others) 1978, Site specific analysis of GT  
Development - Scenarios and Requirements,  
V. II, Motek Div of the Motek Corp,  
MTR-7586

\* Couch RW 1977, Analysis of Geophysical Data pertaining to the  
Vale KGRA; USGS Final Rpt grant no 14-08-0001 EG-222,  
52 p

Beautien John, 1972, Geol Formations of E-OR,  
Bull 73, St. of OR, DOGAMI.