

UNIVERSITY OF UTAH
RESEARCH INSTITUTE**UURI**EARTH SCIENCE LABORATORY
391 CHIPETA WAY, SUITE A
SALT LAKE CITY, UTAH 84108
801-581-5283

January 24, 1979

MEMORANDUM

TO: Joe Hanny

FROM: Duncan Foley and Debbie Struhsacker

SUBJECT: County Assessments, Pacific States, etc.

The following lists indicate ESL's first impressions of the geothermal potential for Alaska, Hawaii, Oregon, Texas, and Washington. These preliminary lists are arranged in a manner similar to those ESL compiled for the Rocky Mountain-Basin and Range region. Those counties with a resource ranking of 1 have considerable geothermal potential, and usually include a KGRA; counties with a resource ranking of 2 have moderate geothermal potential; counties with a resource ranking of 3 either have no known potential, or the potential has not yet been assessed. Alaska has been subdivided by native corporations. In Texas, counties not listed either have no potential, or have geopressed resources that we have not considered.

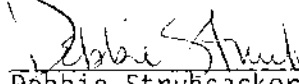
Temperatures listed in the tables are measured surface or well temperatures in degrees C; we have not included geochemical thermometry estimates of base temperatures at this time, but we will be happy to provide you a compilation of available data in the future.

Our reference to "790" in the tables is to the forthcoming USGS Circular 790, to be published in February, 1979, which will give an updated assessment of the US geothermal resource base.

Due to the short time in which this list was compiled, these data should be considered preliminary, subject to revision, and for your information only.



Duncan Foley



Debbie Struhsacker

DF-DS/smk

encl.

Alaska

(Listed according to native corporation)

1 - Aleut

2 - Ahtna

- Arctic Slope
- Bering Straits
- Bristol Bay
- Cook Inlet
- Doyon
- Koniag
- Sealaska

3 - Calista

- Chugach
- N.A.N.A.

Hawaii

- 1 - Hawaii
 - Maui
- 2 - Kauai
 - Oahu
- 3 - Kahoolawe
 - Lanai
 - Molokai
 - Nihau

Oregon

- 1 - Clackamas
 - Deschutes
 - Harney
 - Klamath
 - Lake
 - Lane
 - Malheur
 - Marion

- 2 - Baker
 - Grant
 - Union

- 3 - Benton
 - Clatsop
 - Columbia
 - Coos
 - Crook
 - Douglas
 - Gilliam
 - Hood River
 - Jackson
 - Jefferson
 - Josephine
 - Lincoln
 - Linn
 - Meadow
 - Morrow
 - Multnomah
 - Polk
 - Sherman
 - Tillamook
 - Umatilla
 - Wallowa
 - Wasco
 - Washington
 - Wheeler
 - Yamhill

Texas

- 1 - None
- 2 - El Paso
 - Falls
 - Hudson
 - Jeff Davis
 - Navarro
 - Presidio
- 3+- Bandera
 - Bastrop
 - Bexar
 - Brazos
 - Burleson
 - Caldwell
 - Comal
 - Delta
 - Ellis
 - Falls
 - Fayette
 - Franklin
 - Freestone
 - Gonzales
 - Grimes
 - Guadalupe
 - Hays
 - Henderson
 - Hill
 - Hopkins
 - Hunt
 - Kaufman
 - Lee
 - Limestone
 - McLennan
 - Medina
 - Milam
 - Robertson
 - Titus
 - Travis
 - Uvalde
 - Van Zandt
 - Washington
 - Williamson

Comments

- Counties designated "2" have hot water, at least locally
- Counties designated "3+" may have hot water along a major fault zone (the Balcones Fault)
- Counties not listed are designated "3"
- Geopressurized systems are not considered in this list
- There is no State Coupled assessment program currently in Texas

Washington

- 1 - Skamania
 - Snohomish
 - Walla Walla
 - Yakima

- 2 - Adams
 - Clallam
 - Douglas
 - Franklin
 - Grant
 - Klickitat
 - Lincoln
 - Pierce
 - Whatcom

- 3 - Asotin
 - Benton
 - Chelan
 - Clark
 - Columbia
 - Cowlitz
 - Ferry
 - Garfield
 - Grays Harbor
 - Island
 - Jefferson
 - King
 - Kitsap
 - Kittitas
 - Lewis
 - Mason
 - Okanogan
 - Pacific
 - Pend Oreille
 - San Juan
 - Skagit
 - Spokane
 - Stevens
 - Thurston
 - Wahkiakum
 - Whitman