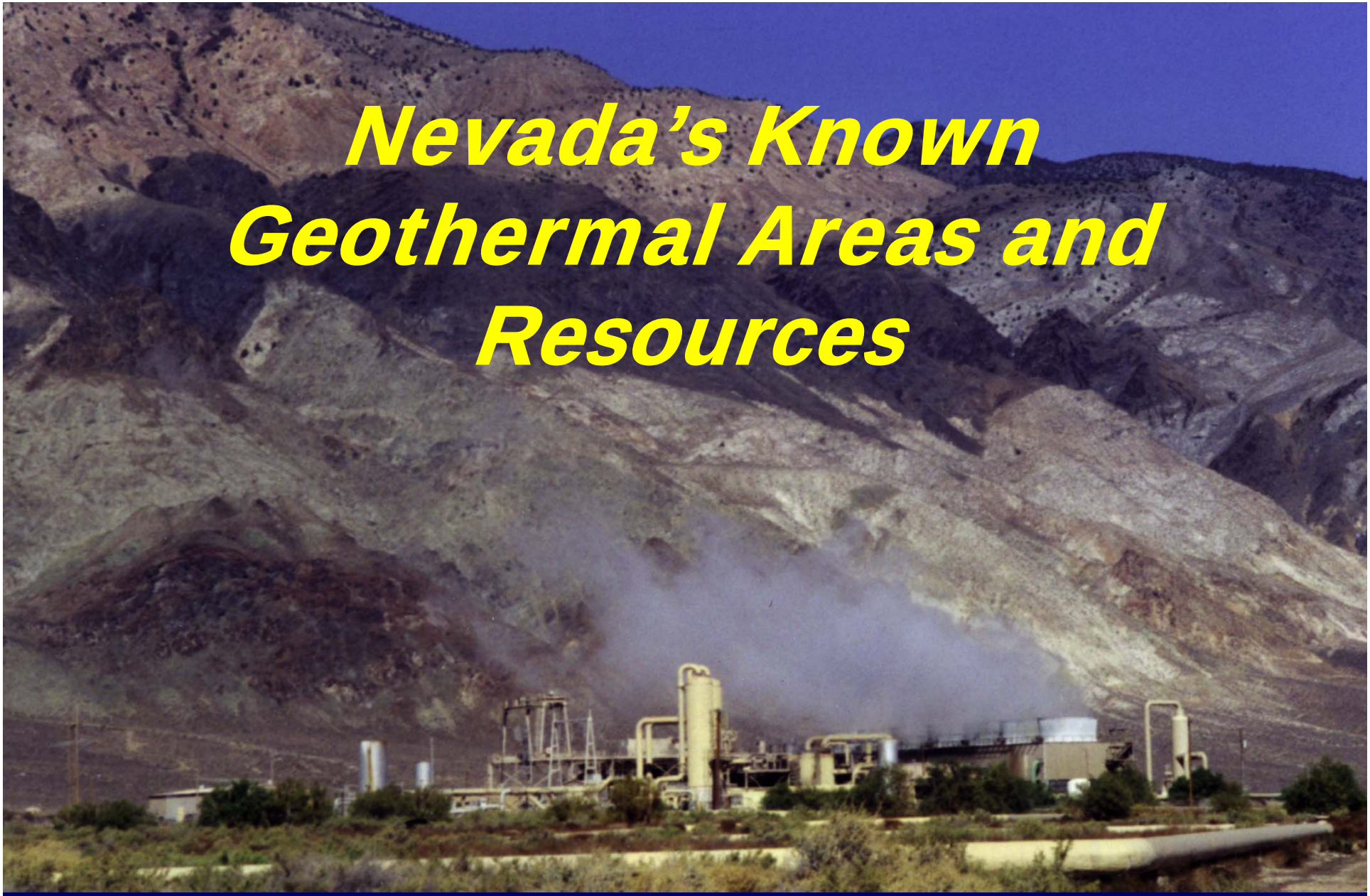
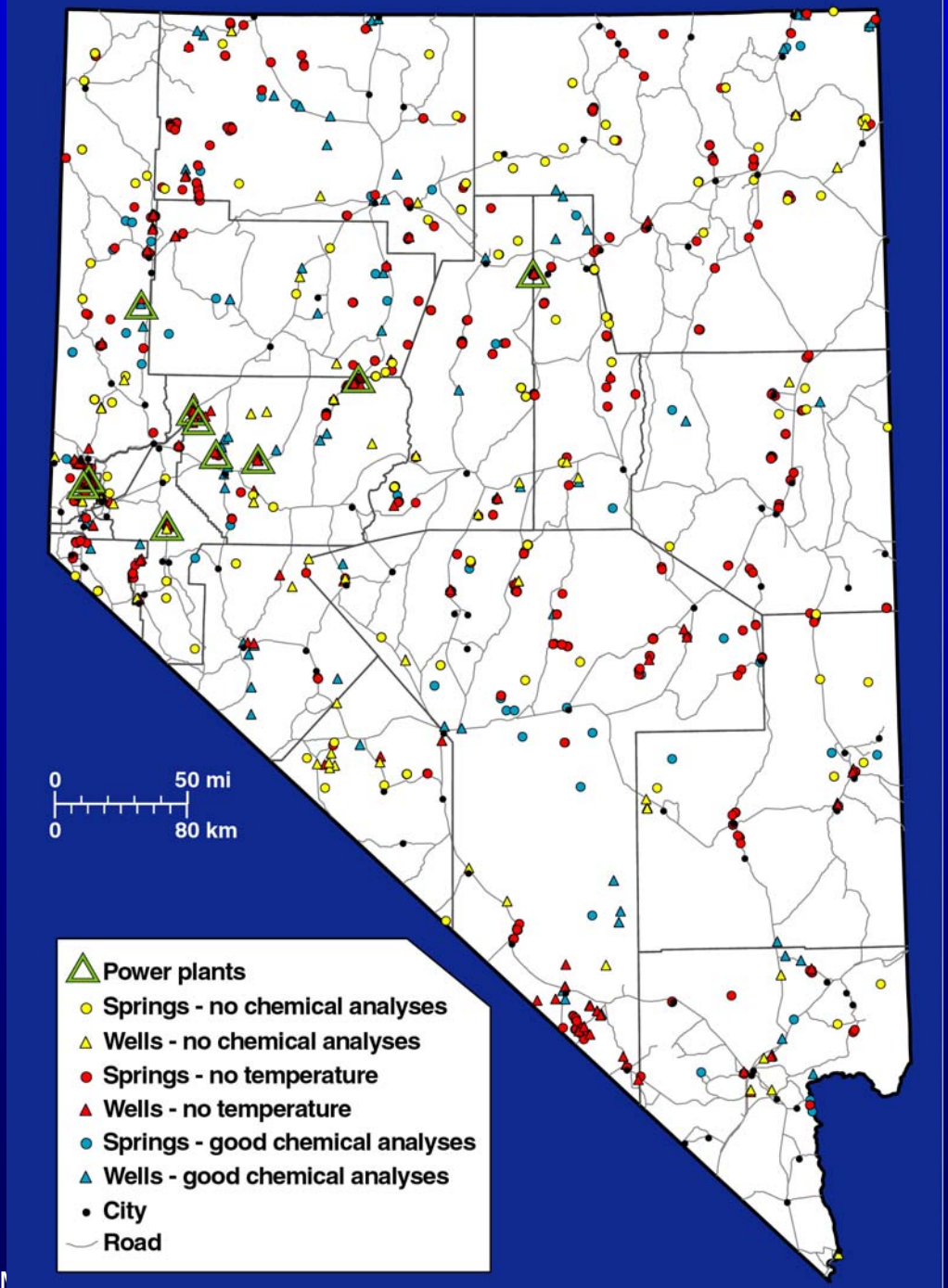
Nevada's Known Geothermal Areas and Resources



Dixie Valley, NV



Nevada geothermal power plants, thermal springs and wells

(after Shevenell et al., 2000).

Nevada Flash Power Plants

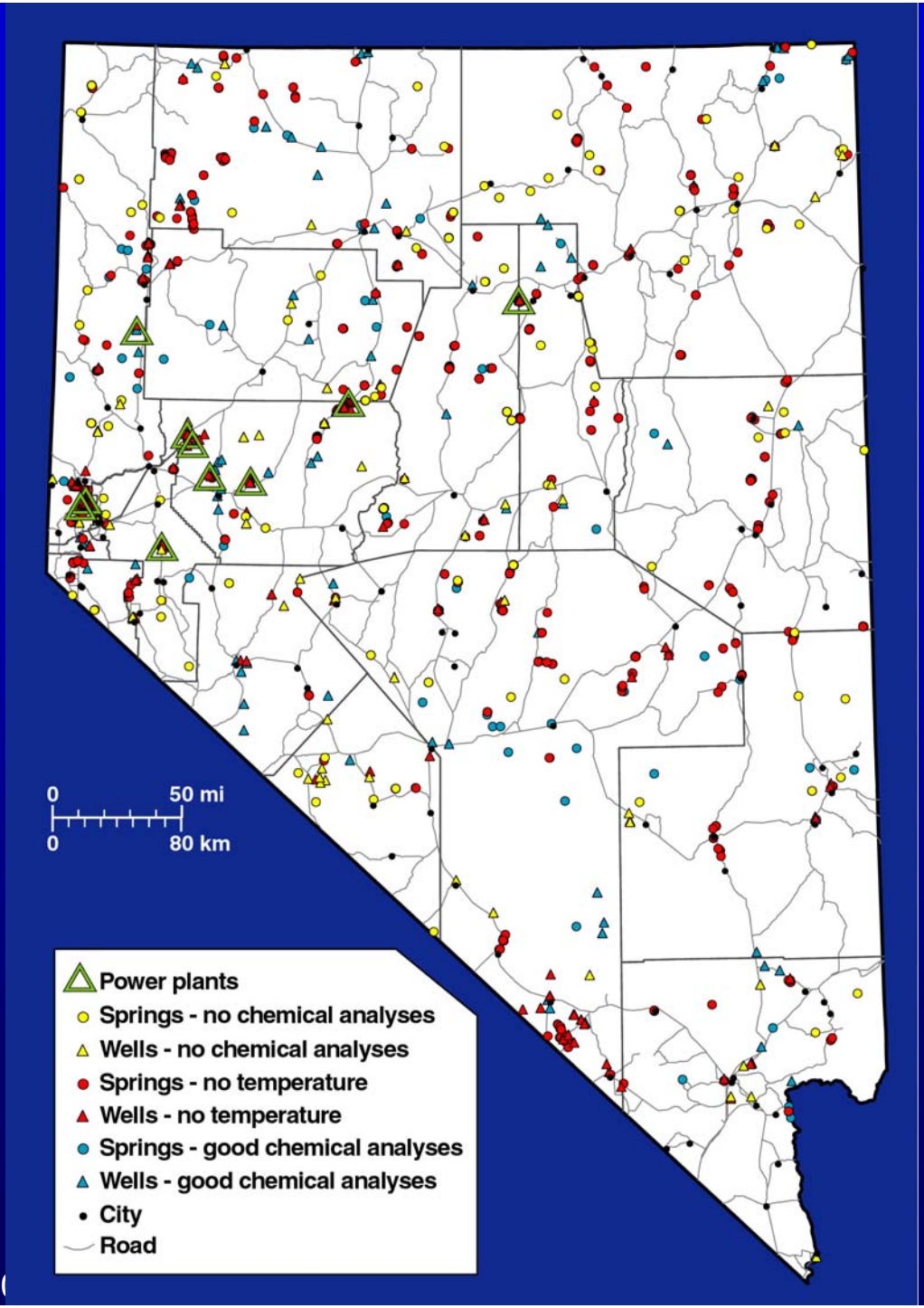
Plant	Year	Output (MW)	Temp (C)
Beowawe	1985	16.7	199
Bradys	1992	21.1	186
Caithness	1988	14.4	236
Desert Peak	1985	9.9	205
Dixie Valley	1988	66	250

Dixie Valley S.W. Lamb No. 3 Well, summer 1980.

Dixie Valley

Caithness Power Plant, Steamboat

Brady Power Partners



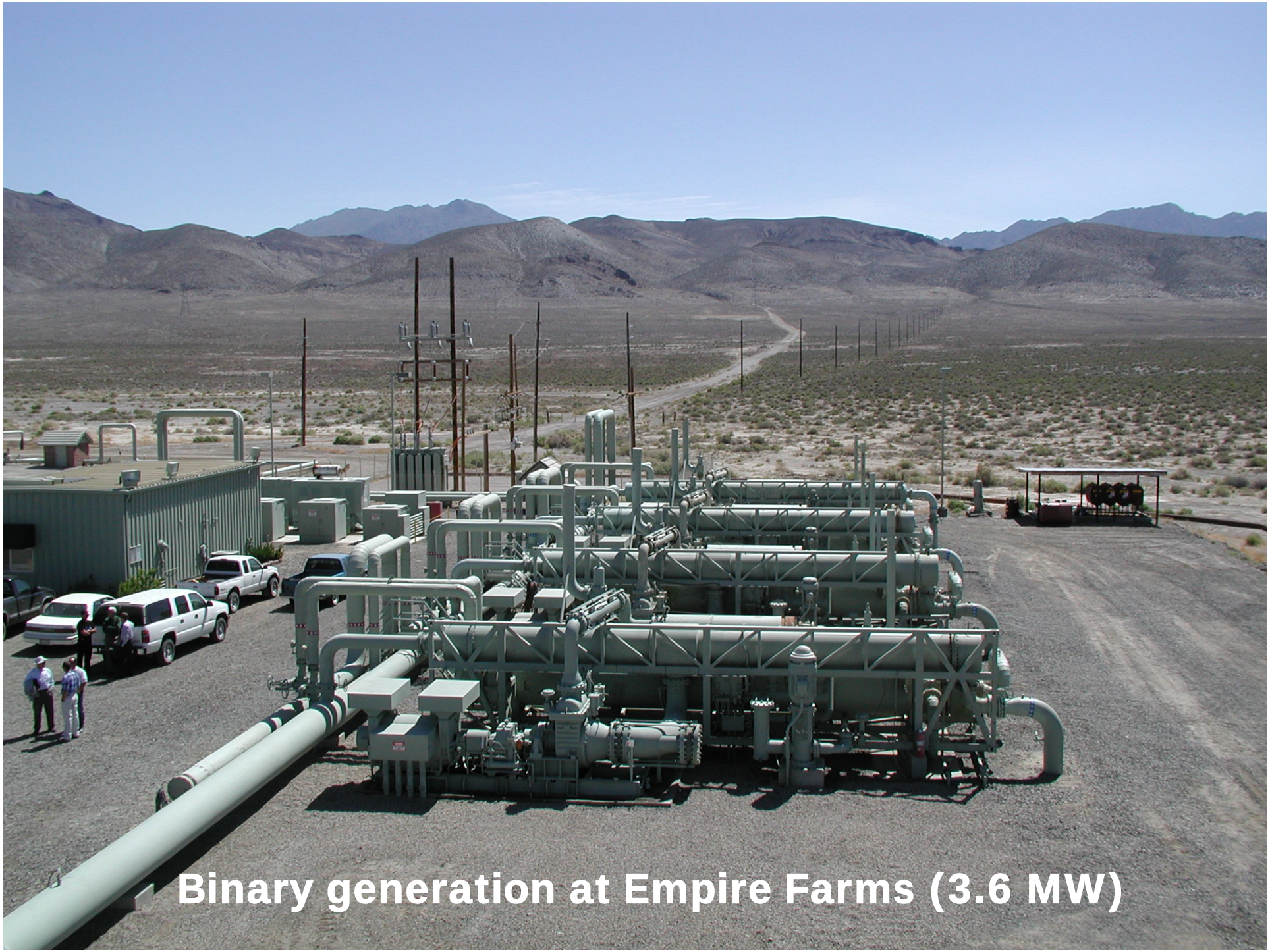
Nevada geothermal power plants, thermal springs and wells

(after Shevenell et al., 2000).

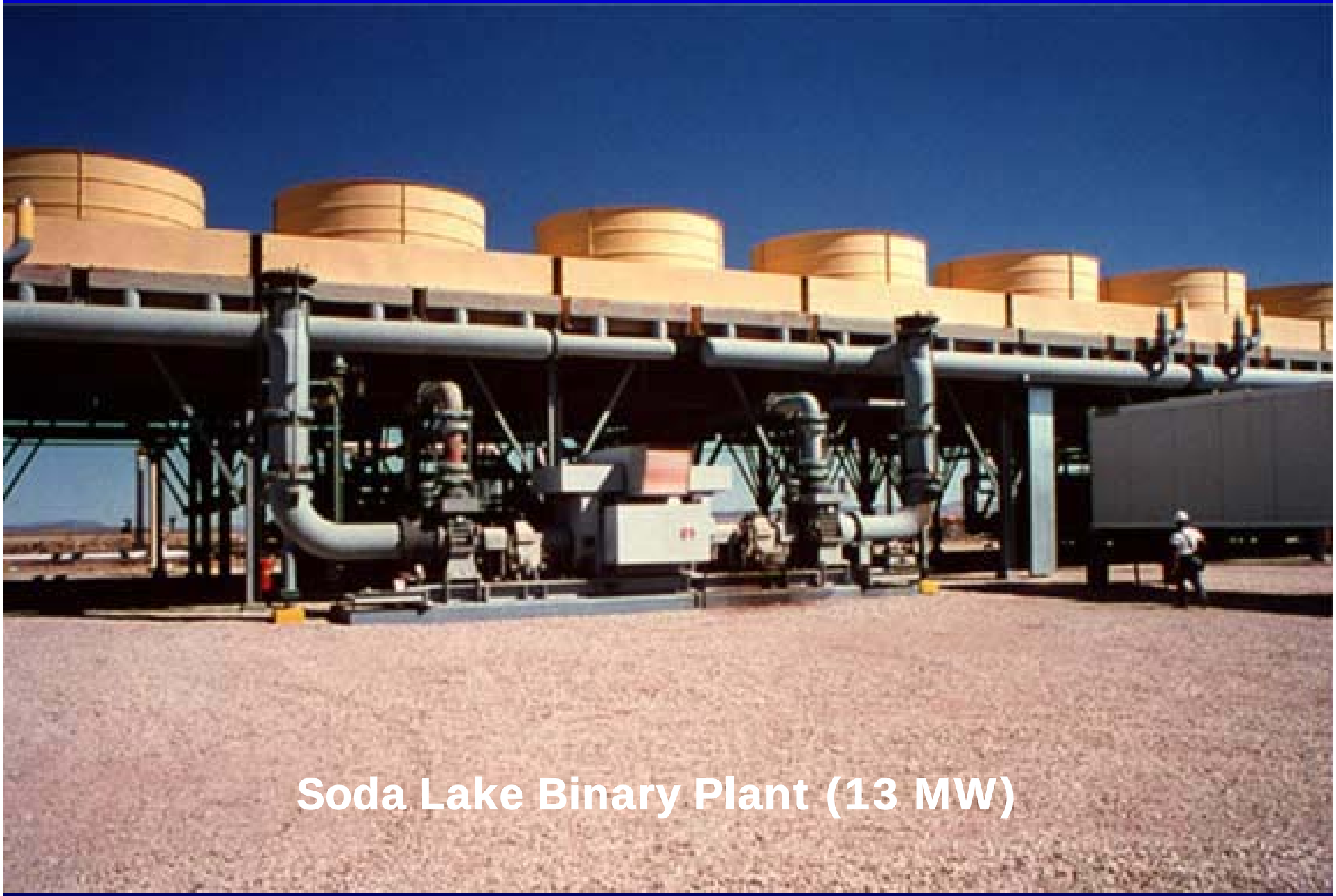
Nevada Binary Power Plants

Plant	Year	Output	Temp
Empire	1987	3.6	151
Soda Lake 1	1987	3.6	182
Soda Lake 2	1991	13	182
Steamboat (I,Ia)	1986	7.1	170
Steamboat (II,III)	1992	48	170
Stillwater	1989	13	158
Wabuska 1	1984	0.6	107
Wabuska 2	1987	0.6	107

Wabuska generating unit (0.6 MW)



Binary generation at Empire Farms (3.6 MW)



Soda Lake Binary Plant (13 MW)

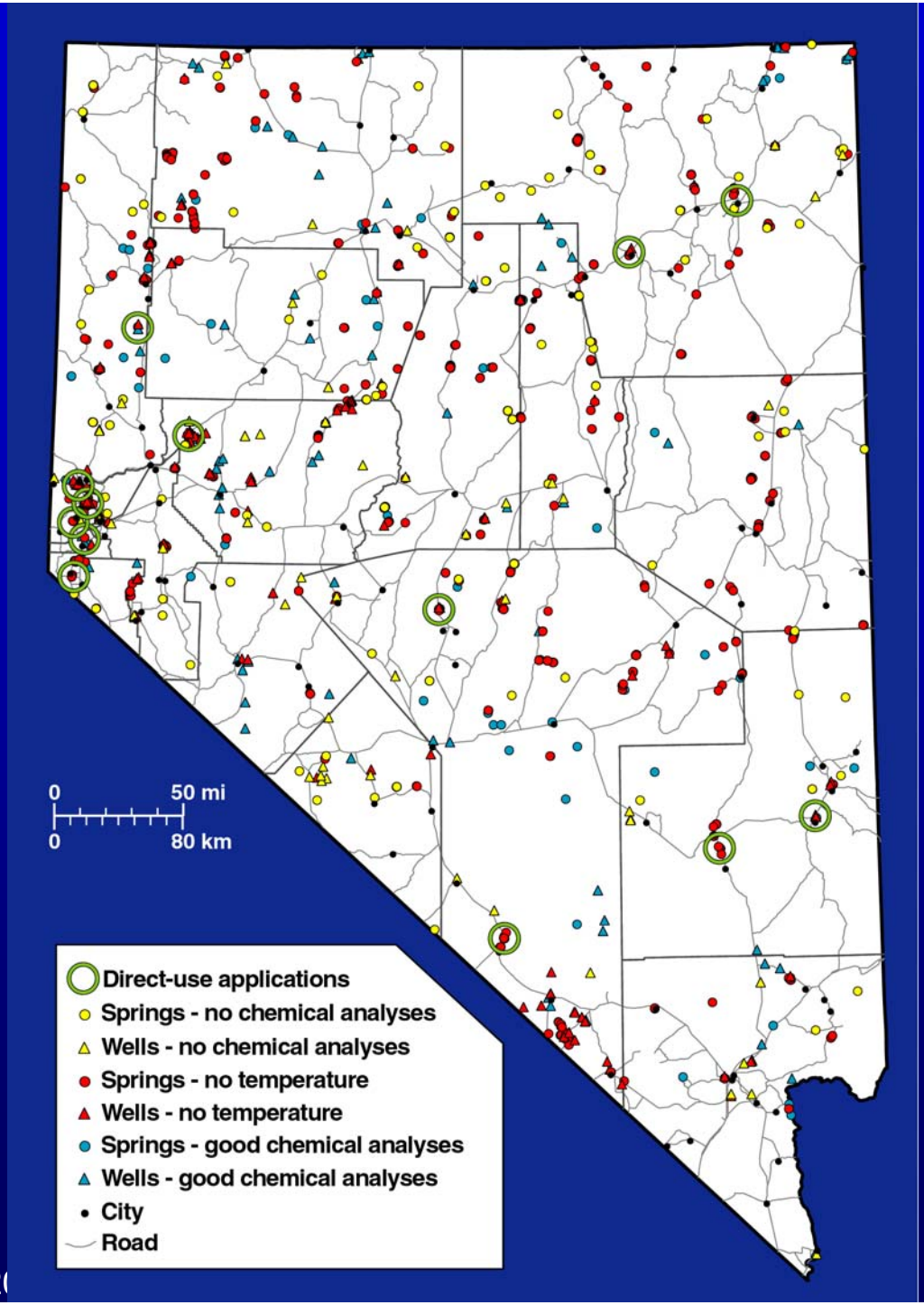
Steamboat II, III (48 MW)

Nevada Direct Use Facilities

Ash Springs	spa
Baileys HS	spa
Bowers Mansion	pool
Bradys	vegetable dehydration
Caliente	spa, pool, space heating
Carson City	pool
Darroughs HS	spa

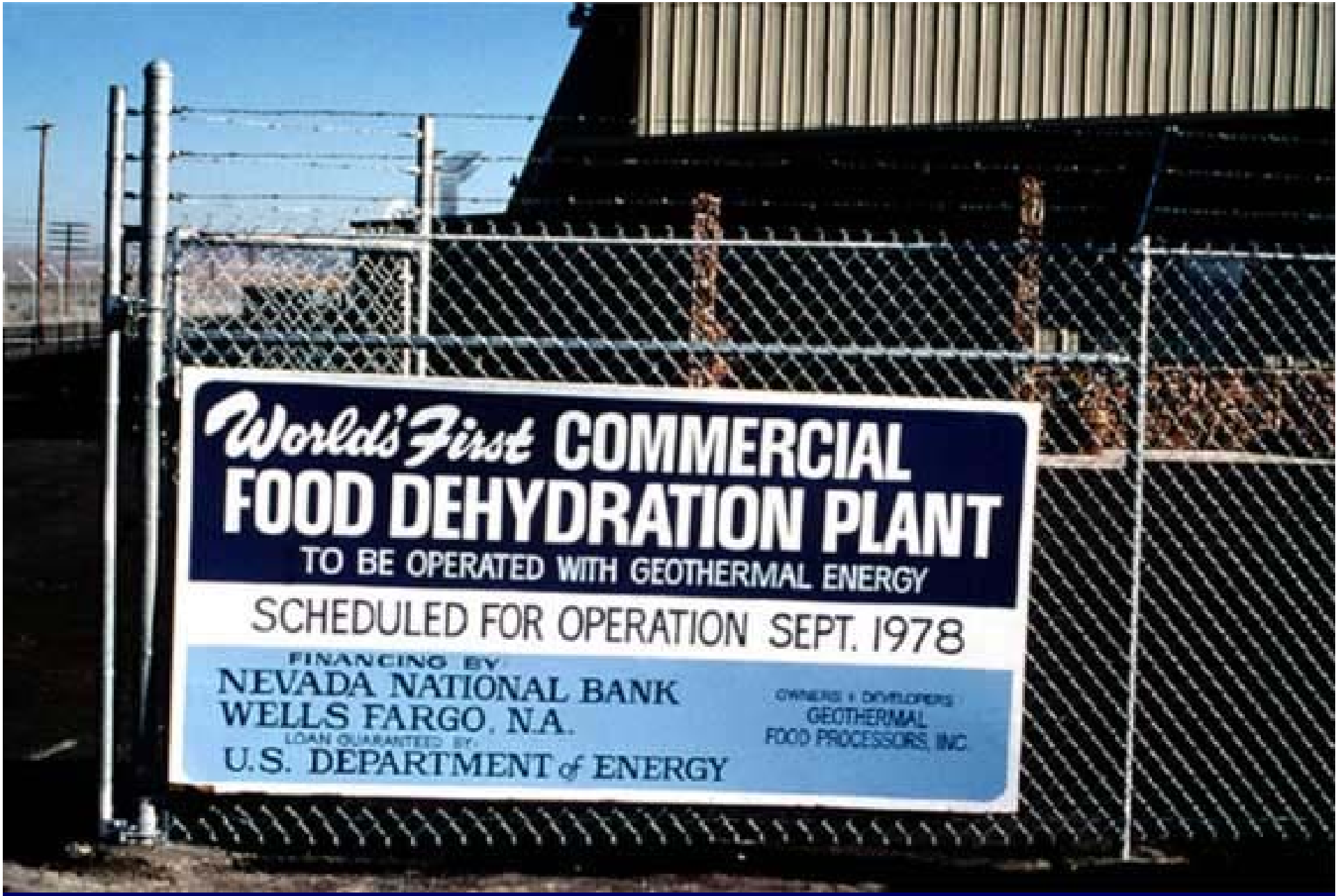
Nevada Direct Use Facilities, Cont'd

Elko	pool, space heating
Moana	space heating
San Emidio Desert	vegetable dehydration
Steamboat	spa, space heating
Walleys HS	spa
Wells	geothermal heat pump



Nevada direct use geothermal facilities.


Empire Farms Dehydration Plant



Bradys Dehydration Plant

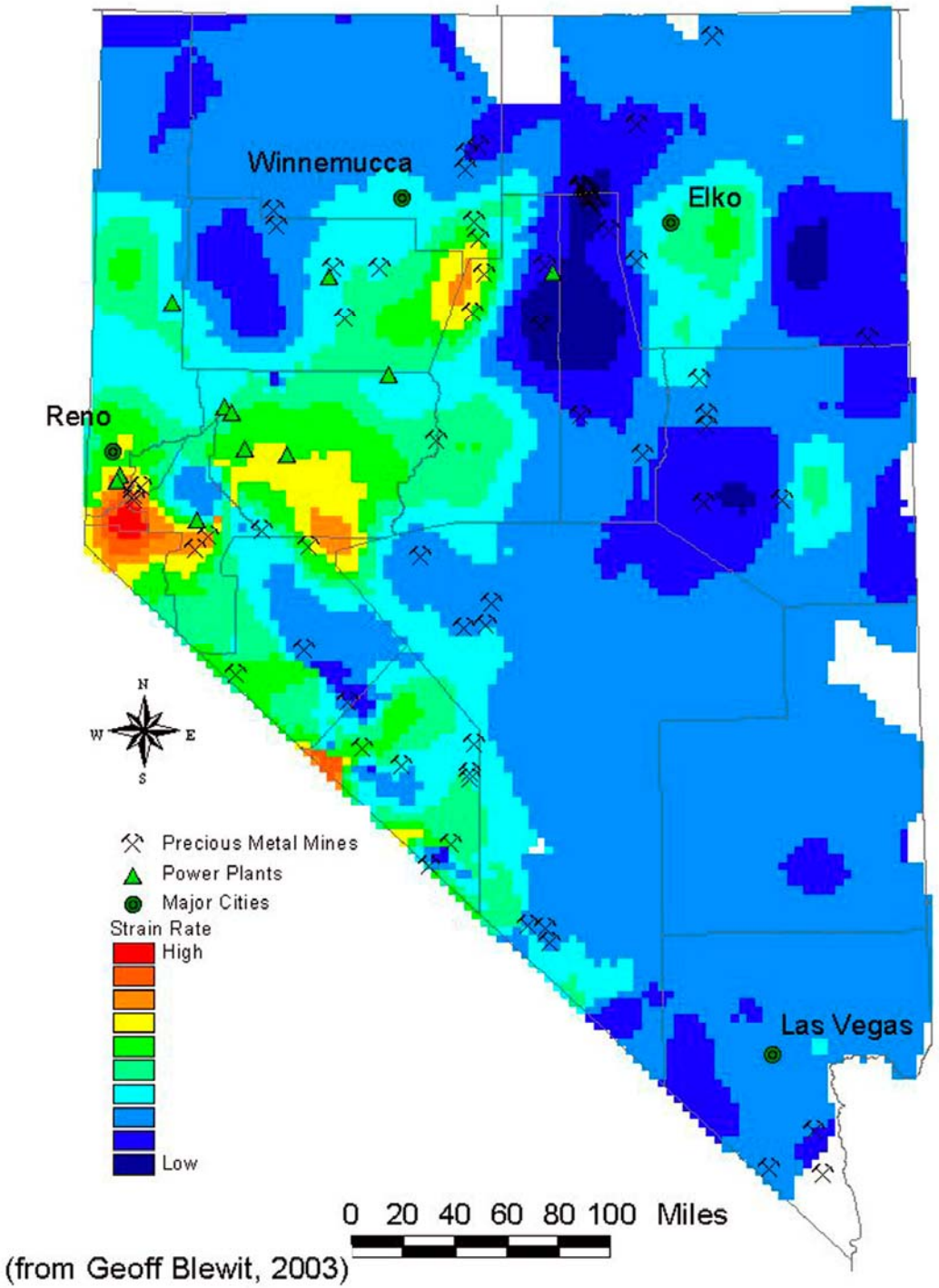
Walleys Hot Spring Resort

Other Known Areas - Current Work

Fallon NAS	Navy
Fish Lake Valley	California Energy
Salt Wells	Nevada Geothermal Specialists

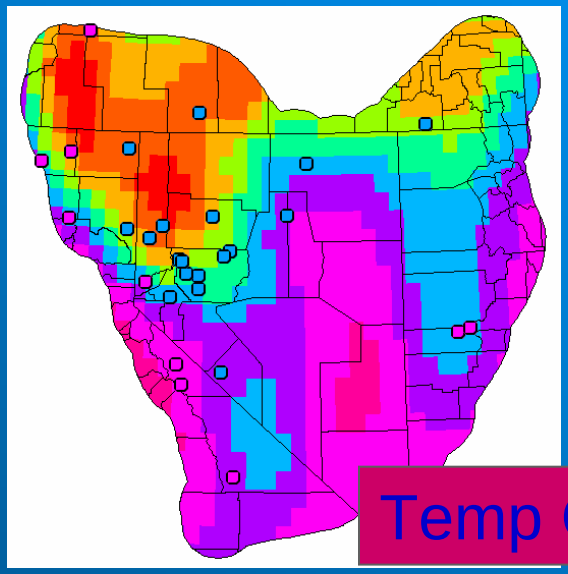
Recent DOE GeoPowering the West:

Blue Mountain	Noramax Corp
Animas Valley	Ormat
Rye Patch	Presco Energy
Steamboat	(formerly) ATS



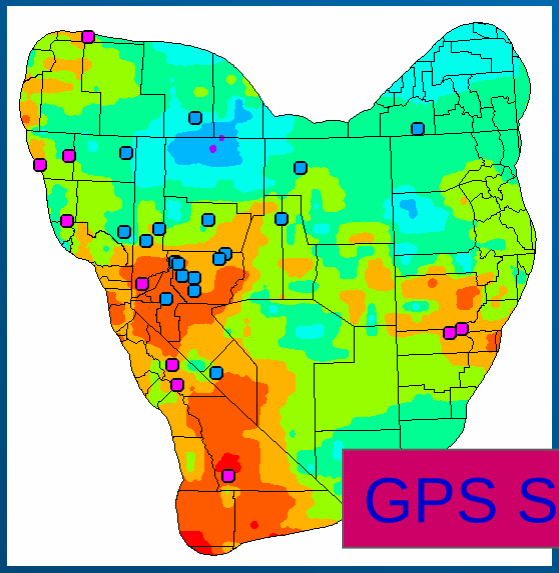
(from Geoff Blewit, 2003)

Regional Map Showing Anomalies Identified by GPS Survey – Areas of extension thought to have greater potential for geothermal resources



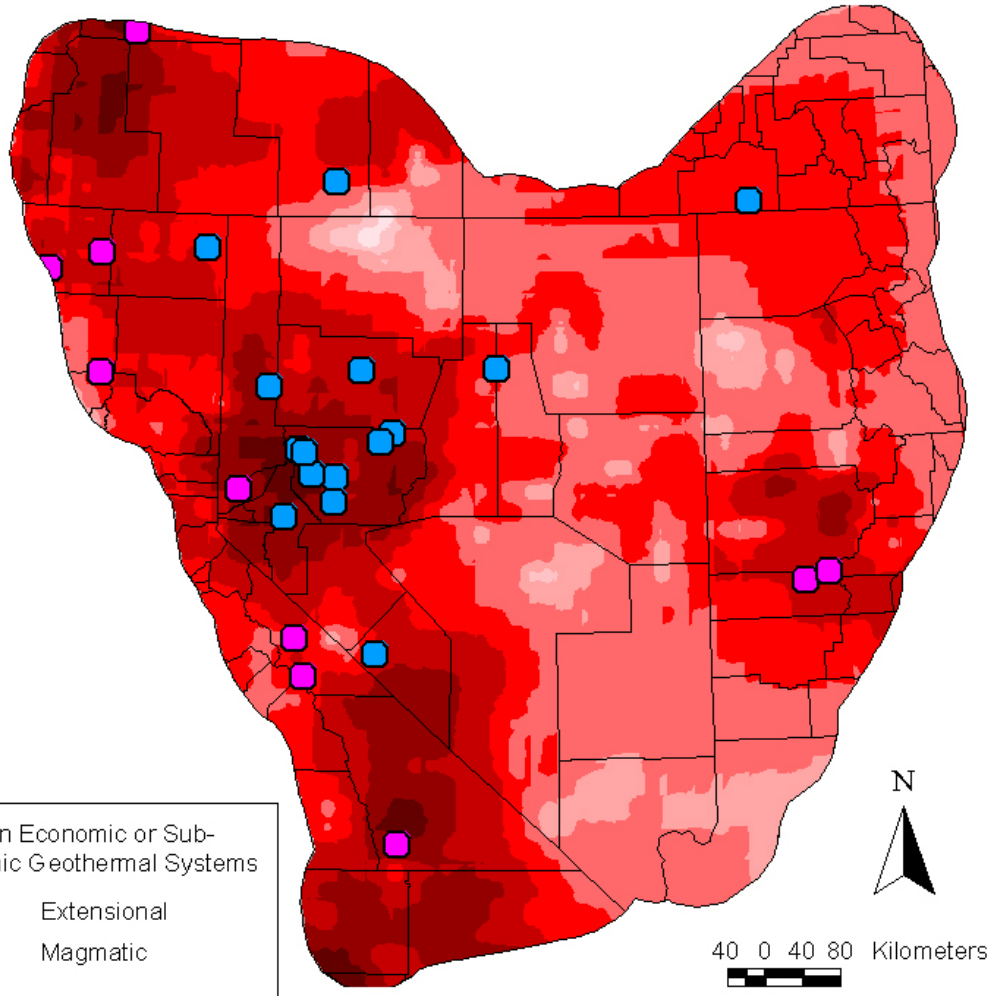
Temp Gradient

INPUT MAPS



GPS Strain Rate

18 May 2006



Known Economic or Sub-economic Geothermal Systems

Extensional

Magmatic

Relative Geothermal Potential

High

Low

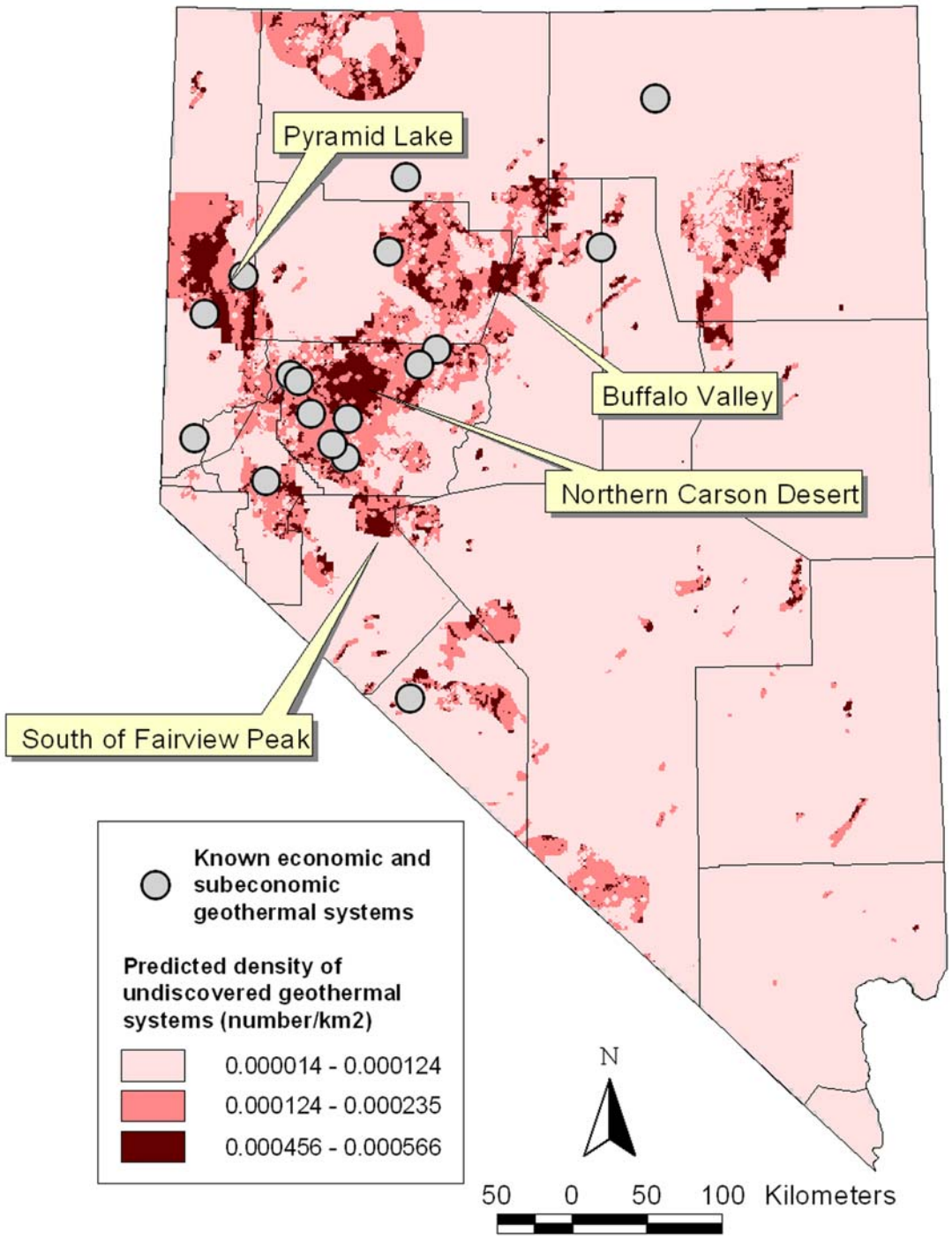
N

40 0 40 80 Kilometers

DRAFT GEOTHERMAL POTENTIAL MAP of the GREAT BASIN based on regional heat flow and regional crustal strain rate measurements

(This is a DRAFT map and subject to change. It is intended only for regional planning purposes, not for geothermal site assessment)

Great Basin Center for Geothermal Energy, University of Nevada, Reno
10 Feb 2004



Predicted crustal density of undiscovered geothermal resources. Dark areas have high predicted densities, medium-pink areas have moderately high predicted densities, light pink densities are relatively low. Circles are known economic and sub-economic geothermal systems.

Summary

Considerable resource potential for both:

- Power production
- Direct use applications

Based on

- Known locations of thermal springs and wells
- Modeled and predicted locations of hidden resources