LEGEND

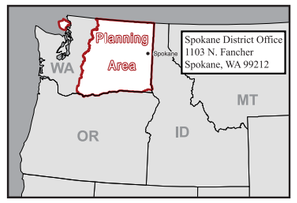
Planning Area Boundary

Bureau of Land Management

Solar Insolation
Avg. Annual Daily Watt Hours / m2

- 3000 - 4000
- 4000 - 5000
- 5000 - 6000

Average Annual Daily Watt Hours / m^2	BLM Surface Jurisdiction Acres
3000 - 4000	7,197
4000 - 5000	378,769
5000 - 6000	39,034



U.S. DEPARTMENT OF THE INTERIOR
Bureau of Land Management

SPOKANE DISTRICT
Eastern Washington and San Juan
Resource Management Plan
Analysis of the Management Situation

N
W E
S

15 0 15 30
Miles
15 0 15 30
Kilometers

Map 27: Solar Energy Resources Concentration Potential

Source:

This data was developed using the State University of New York/Albany satellite radiation model. This model was developed by Dr. Richard Perez and collaborators at the National Renewable Energy Laboratory (NREL) and other universities for the U.S. Department of Energy. Specific information about this model can be found in Perez, et al. (2002). It is believed that the modeled values are accurate to approximately 15% of a true measured value within the grid cell. Due to terrain effects and other microclimate influences, the local cloud cover can vary significantly even within a single grid cell. Furthermore, the uncertainty of the modeled estimates increase with distance from reliable measurement sources and with the complexity of the terrain.

Cartography:

Data was converted to raster and resampled by a factor of 0.25 using the nearest neighbor method, resulting in cells of 0.025 degrees. The resulting file is displayed using the Bilinear Convolution method and classified manually using 1000 Watt Hour ranges. These ranges are consistent with other NREL publications regarding concentrating solar power.

WHATCOM
Be
SAN JUAN
Friday Harbor
SKAGIT
ISLAND
5 0 5 10 Miles
5 0 5 10 Kilometers
KITSAP
Seattle
Port Orchard
KING
MASON
Shelton
Tacoma
Olympia
PIERCE
THURSTON
Chehalis
LEWIS
OKANOGAN
Republic
FERRY
RIVER
Colville
STEVENS
Pend Oreille
PEND OREILLE
River
Newport
Okanogan
COLUMBIA
CHELAN
Lake Chelan
DOUGLAS
Waterville
Davenport
Spokane
SPOKANE
LINCOLN
Wenatchee
Ephrata
GRANT
Moses Lake
KITTITAS
Yakima
Ellensburg
Ritzville
ADAMS
WHITMAN
Colfax
Yakima
YAKIMA
River
BENTON
FRANKLIN
Snake
River
COLUMBIA
GARFIELD
Pomeroy
Asotin
Dayton
Pasco
WALLA WALLA
ASOTIN
Prosser
Walla Walla
RIVER
KLICKITAT
Goldendale
Stevenson
COLUMBIA