

Only the land classification categories present in the quadrangle are colored in the explanation and on the map; an asterisk (\*) preceding a colored classification category in the explanation indicates that the category includes all land in the quadrangle and so, to reduce clutter, the color is omitted from the map. Categories not colored in the explanation are not present in the quadrangle. All withdrawn lands are prospectively valuable for the mineral for which they are withdrawn. LAND CLASSIFICATION APPLIES ONLY TO PUBLIC LANDS WITHIN CATEGORY BOUNDARIES. Leasable minerals are coal, oil and gas, and oil shale; phosphates, or phosphate rock; chlorides, sulfates, carbonates, borates, and silicates or nitrates of potassium and of sodium; sulfur in Louisiana and New Mexico; and native asphalt, solid and semisolid bitumen, and bituminous rock (including oil-impregnated rock or sands from which oil is recoverable only by special treatment after the deposit is mined or quarried). However, all minerals are leasable on Federal acquired lands and restricted allotted and tribal Indian lands. Leasable mineral outcrops are not shown. A SYMBOL PRECEDING A MINERAL NAME ON THE SELECTED MINERALS LIST INDICATES THE MINERAL IS PRESENT IN THE MAP AREA. Active mines are not differentiated from inactive mines, the size and grade of the mineral occurrence are not indicated, and names are given hereon for only a few of the mines.

## MINERAL LAND CLASSIFICATION

WITHDRAWN LANDS--Showing withdrawal number and date (month-day-year)		CLASSIFIED LANDS	
Coal	Phosphate	Coal	Phosphate
Oil shale		Oil shale	Sodium
PROSPECTIVELY VALUABLE LANDS--Hachures (where present) and/or color are on valuable side of boundary		AREAS DESIGNATED FOR COAL LEASING--Showing name and effective date (month-day-year)	
Asphaltic materials		Known recoverable coal resource area (KRCRA)	
Coal		KNOWN LEASING AREAS--Showing name and effective date (month-day-year) Note: Not all areas have been assigned names	
Geothermal resources		Known geologic structure of producing oil and gas field (KGS)	
Oil and gas		Known geothermal resources area (KGRA)	
Oil shale		Known oil shale leasing area	
Phosphate		Known phosphate leasing area	
Potassium		Known potassium leasing area	
Sodium		Known sodium leasing area	

## WATERPOWER LAND CLASSIFICATION

Classified or withdrawn for waterpower or reservoir sites

## DESCRIPTION OF MAP SYMBOLS

SELECTED MINERALS--Symbol shows location of mineral occurrence to the nearest 40-acre tract; multiple occurrences of a mineral within a quarter section (160 acres; 64.75 hectares) are not differentiated from a single occurrence. For cartographic reasons mineral occurrence may be shown by a dot and a leader to the symbol in parentheses.

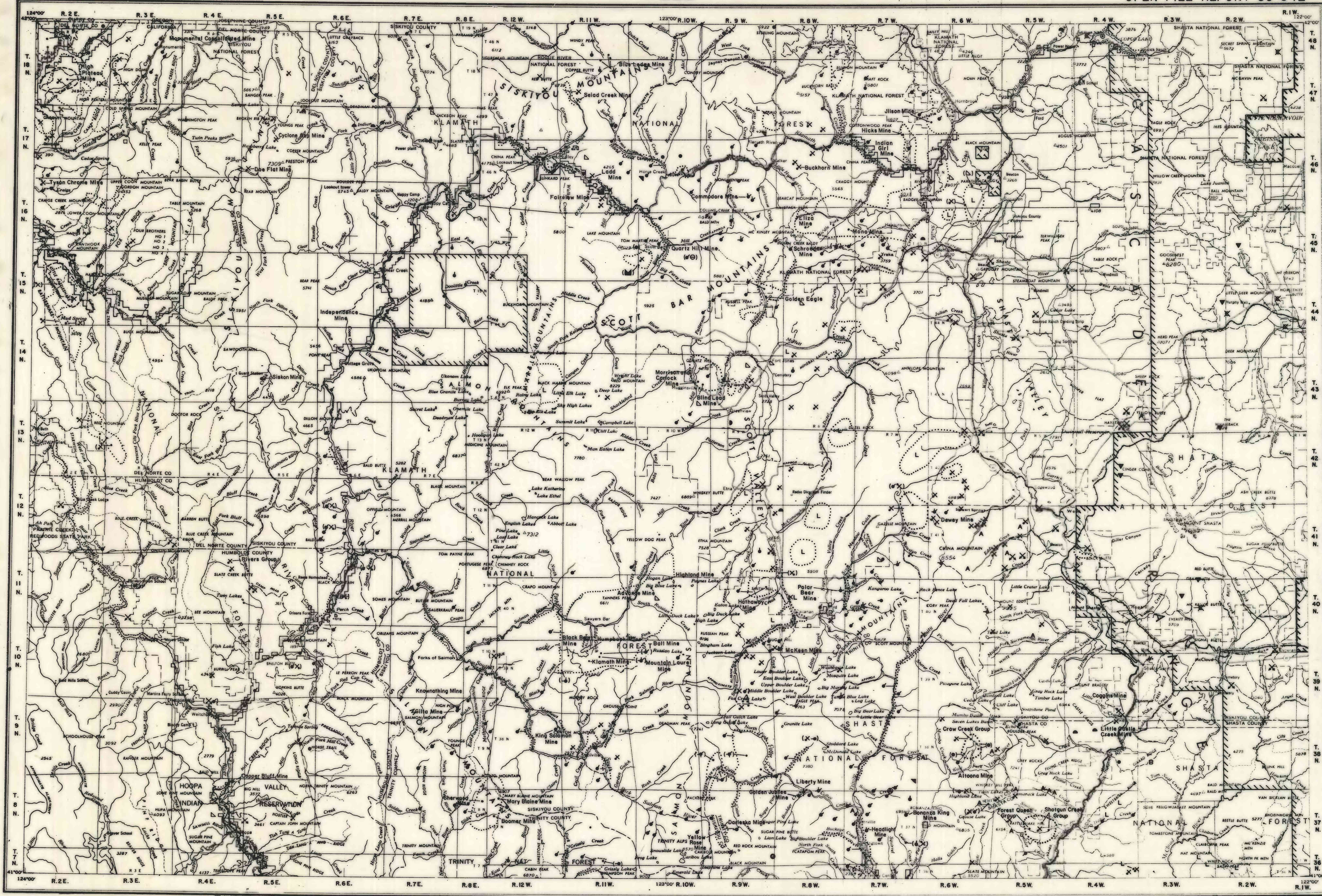
Metals		Nonmetals	
Aluminum	Cobalt	Asbestos	Clay, refractory
Antimony	Columbium and Tantalum	Barite	Diatomite
Arsenic	Molybdenum	Bentonite	Dumortierite
Beryllium	Copper	Borates	Feldspar
Bismuth	Callium	Bromine	Fluorspar
Cadmium	Germanium	Bruceite	Fuller's earth
Cesium and Rubidium	Gold	Calcite, optical	Gem and ornamental stones
Chromium	Iron	Calcium chloride	Graphite
	Lead	Carbon dioxide	Gypsum
			Helium
			Iodine
			Kaolin
			Kyanite group
			Limestone
			Lithium minerals
			Magnesite
			Magnesium sulfate
			Meerschaum
			Mica
			Mineral pigments
			Nephelite
			Olivine
			Quartz
			Serpentine
			Silica sand
			Strontium minerals
			Sulfur
			Talc, Soapstone
			Vermiculite
			Volcanic ash, Pumice, Perlite
			Wollastonite
			Zeolite

SYMBOL COMBINATIONS--Certain symbols (silver, lead, and zinc, or uranium and vanadium) are combined into a single symbol to show several minerals at the same locality as shown in three examples below. Where individual symbols cannot be combined into a single symbol or where cartographic reasons dictate, occurrences of several minerals at the same locality are shown by a dot at the locality and a leader to the composite symbol or series of symbols in parentheses as shown in fourth example below.

- \* Copper, gold, lead, zinc  
X Chromium, cobalt, nickel  
X Uranium and vanadium  
--(S)--Silver, lead, zinc, and bismuth at same location  
MINE OR PROSPECT WHERE MINERAL IS KNOWN--Mine or prospect is shown by a mineral symbol at the location or by a dot at the location and a leader to the symbol or symbols in parentheses.  
X Carlsberg mine--Uranium mine at location of symbol  
--(F)--Eureka mine--Gold, silver, lead, zinc, and fluorspar mine at location of dot

WIDESPREAD MINERAL OCCURRENCES--An area of numerous or widespread occurrences of one or more minerals is shown by a dotted outline and a symbol or symbols. A single occurrence of another mineral or minerals within such an area is shown by a dot at the locality and a leader to the symbol or symbols in parentheses. An overlapping area of mineral occurrence is outlined by a short dashed line.

- OTHER SYMBOLS  
\* Leasable mineral mine  
X Mine or prospect where mineral is not known  
+ Pit (bentonite or clay)  
X Gravel or sand pit  
X Quarry  
X Volcanic Cinder



Scale 1:250,000

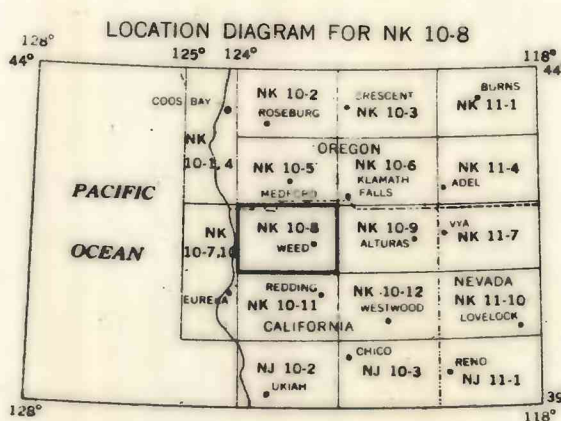
All information on this map compiled as of April 30, 1979

LEASABLE MINERAL AND WATERPOWER LAND CLASSIFICATION MAP  
OF THE WEED 1° X 2° QUADRANGLE, CALIFORNIA AND OREGON  
LANDS WITHDRAWN, CLASSIFIED, AND PROSPECTIVELY VALUABLE FOR LEASABLE MINERALS;  
OCCURRENCES OF OTHER SELECTED MINERALS; AND LANDS WITHDRAWN OR  
CLASSIFIED FOR WATERPOWER AND RESERVOIR SITES

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This map has not been edited for  
conformity with Geological Survey  
editorial standards or stratigraphic  
nomenclature.