

Sierra Nevada Mountains Wilderness by elevation

If lands above 8,000 ft elevation define the 'High Sierra,' over 80% of these lands are closed to OSV use.

Designated Wilderness constitutes 79.4%. Other designations such as semi-primitive non-motorized, special interest areas, recommended Wilderness, recommended and designated Wild and Scenic River segments, experimental forests and additional, specific OSV closures actually make these numbers much higher. Only 9.33% of the Sierra Nevada mountain range above 9,000ft elevation is not designated Wilderness.

	miles2	acres	m2	% of sierras	
Area defined as Sierras	27,623	17,678,809	71,543,712,433	100.00%	
Wilderness areas within that area	6,189	3,961,227	16,030,543,147	22.41%	
Wilderness					Portion of Wilderness that's
Wilderness Above 6000'	5,410	3,462,336	14,011,597,033	87.41%	Above 6,000'
Above 7000'	4,775	3,055,691	12,365,962,739	77.14%	Above 7,000'
Above 8000'	3,880	2,483,289	1,0049,531,130	62.69%	Above 8,000'
Above 9000'	2,722	1,742,158	7,050,274,200	43.98%	Above 9,000'
Above 10000'	1,607	1,028,381	4,161,716,233	25.96%	Above 10,000'
Total Land					
Area defined as Sierras	27,623	17,678,809	71,543,712,433	100.00%	Portion of the Sierras:
Above 6000'	10,679	6,834,521	27,658,367,051	38.66%	Above 6,000'
Above 7000'	7,336	4,695,128	19,000,537,049	26.56%	Above 7,000'
Above 8000'	4,887	3,127,444	12,656,335,653	17.69%	Above 8,000'
Above 9000'	3,002	1,921,300	7,775,236,726	8.7%	Above 9,000'
Above 10000'	1,681	1,076,002	4,354,431,031	6.09%	Above 10,000'
					% of elevation bins that is wilderness
				Above 6,000'	50.66%
				Above 7,000'	65.08%
				Above 8,000'	79.40%
				Above 9,000'	90.68%
				Above 10,000'	95.57%

Data Sources:

<https://www.wilderness.net/NWPS/geography>

<http://databasin.org/datasets/78ac54fabd594db5a39f6629514752c0>

https://gisdata.nd.gov/Metadata/ISO/html/metadata_DEM_NED_10m.html

