

RANGE SOILS OF AMADOR COUNTY  
by  
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Attached is a list of important range and forest soils in Amador County. This information is part of the Range Soils data base being developed by U.C. Cooperative Extension's Natural Resources Program Area using funding provided by the Renewable Resources Extension Act. The soil series name is that used in the Soil Survey for the Amador Area published by the Soil Conservation Service and the U.C. Agricultural Experiment Station in 1965. Most of the data in this list was extracted from the Soil Survey. The nutrient deficiency data was determined by a former Amador County Farm Advisor.

Most of Amador County's soils are developed from parent material of volcanic origin or from granite. The expected vegetation is listed with the dominant plants listed first. The listed elevations are intended to be broad guidelines and the precipitation ranges do not include extremely variable years. Range forage productivity is dependent on the amount and timing of rainfall and on temperature, thus it is possible to have years of high or low productivity varying around an average.

Nitrogen (N) deficiencies are always present. Phosphorus (P) and Sulfur (S) deficiencies are usually present. Where P or S deficiencies are present nitrogen alone is not effective. Therefore it is common practice to apply N,P, and S together as 16-20-0 or N and S together as Ammonium sulfate (21-0-0). Parentheses indicate a probable but uncertain deficiency.

SOIL SERIES	ACREAGE	PARENT MATERIAL	VEGETATION	LOW ELEV	HIGH ELEV	LOW PPT	HIGH PPT	AVE PROD	HIGH PROD	LOW PROD	DEFICIENT
AHWAHNEE	3000	GRANITIC ROCK	GRASS, OAK	1100	2000	25	30	1750	2200	1300	
AIKEN	6500	VOLCANIC CONGLOMERATE	CONIFER, HAR DWOODS	2000	4800			0	0	0	N, P, S
ARGONAUT	3800	METABASIC IGNEOUS	GRASS, OAK	500	1600	20	30	1750	2200	1300	N, P, S
AUBURN	50000	METABASIC IGNEOUS, METASED	GRASS, OAK	500	1200	20	30	2050	2600	1500	N, P, S
COHASSET	12000	VOLCANIC CONGLOMERATE	CONIFER, HAR DWOOD	2000	5000			0	0	0	
EXCHEQUER	35000	METABASIC, METASED IMENTARY	BRUSH, GRASS	500	1000	22	28	0	1300	0	N, P, S
FIDDLETOWN	5000	METASED., SLATE, SC HIST	CONIFER, BRU SH	1500	3000			0	0	0	
HENNEKE	2000	SERPENTINE	BRUSH	300	1000	24	30	0	1200	0	
HOLLAND	2000	GRANITE	CONIFER, HAR DWOODS	1600	5000			0	0	0	N, S
HONCUT	5000	BASIC AND METASED, ROCK	GRASS	250	1600	20	30	2050	2600	1500	N, (P), (S)
INKS	6000	ANDESITIC SANDSTONE	BRUSH, GRASS	300	500	20	30	2050	2600	1500	
INKS	6000	ANDESITIC SANDSTONE	BRUSH, GRASS	300	500	18	24	0	1400	0	
IRON MOUNTAIN	2400	VOLCANIC CONGLOMERATE	BRUSH, GRASS	250	600	18	24	0	1400	0	
JOSEPHINE	22000	SLATE, SCHIST	CONIFER, HAR DWOODS	1200	5000			0	0	0	
LANIGER	1300	RYDLITIC TUFF	GRASS, OAK	200	600	18	24	1500	1900	1100	
MARIPOSA	23000	SCHIST, SLATE	CONIFER, HAR DWOODS	1200	5000			0	0	0	N, P, S
MAYMEN	3000	QUARTZITIC SCHIST, SLATE	BRUSH, GRASS	1200	3500			0	0	0	
MC CARTHY	3000	VOLCANIC CONGLOMERATE	CONIFER, BRU SH	2000	5000			0	0	0	

SOIL SERIES	ACREAGE	PARENT MATERIAL	VEGETATION	LOW ELEV	HIGH ELEV	LOW PPT	HIGH PPT	AVE PROD	HIGH PROD	LOW PROD	DEFICIENT
MOKELUMNE	1700	SANDSTONE, CL. MARINE SEDI	GRASS, OAK	200	400	18	24	1200	1500	900	N, P
MUSICK	7000	GRANITE	CONIFER, HAR DWOODS	2000	5000			0	0	0	
PARDEE	3700	OLD MIXED ALLUVIUM	GRASS, OAK	200	600	18	24	1200	1500	900	
PENTZ	4000	RYOLITIC TUFF	GRASS, OAK	200	500	18	24	1500	1900	1100	
PERKINS	1000	GRAVELLY ALLUVIUM	GRASS, OAK	200	500	20	30	2050	2600	1500	N, P
PETERS	177	WEATHERED VOLCANIC TUFF	GRASS	200	600	18	24	1200	1500	900	
PLACER DIGGINGS	5200							0	0	0	
RED BLUFF	8500	GRAVELLY ALLUVIUM	GRASS, OAK	200	600	18	24	1200	1500	900	N, P