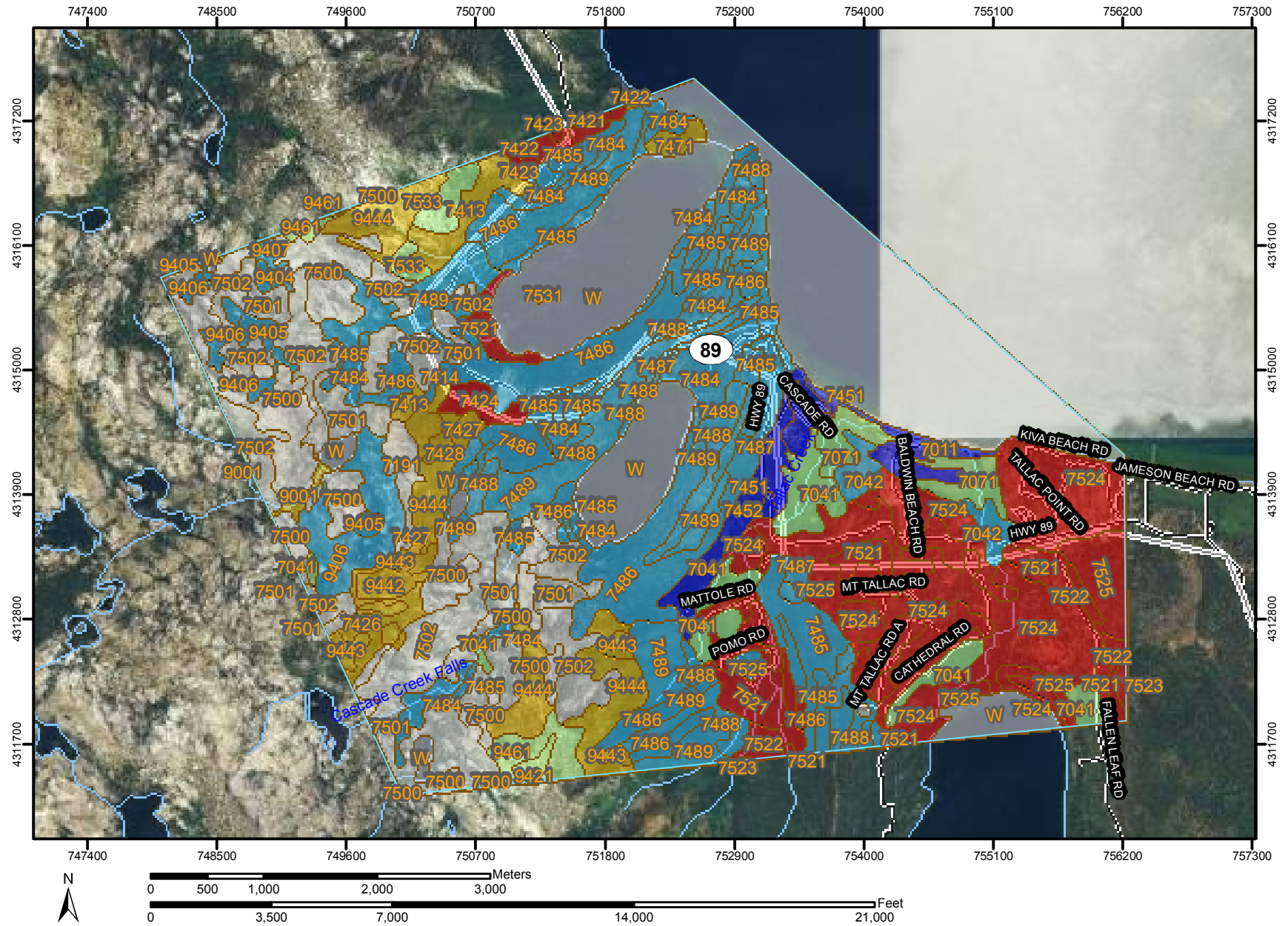



Saturated Hydraulic Conductivity (Ksat)–Tahoe Basin Area, California and Nevada



## MAP LEGEND







### Area of Interest (AOI)

 Area of Interest (AOI)

### Soils



 Soil Map Units

### Soil Ratings



  $\leq 31.72$   
  $> 31.72$  AND  $\leq 48.1667$   
  $> 48.1667$  AND  $\leq 77.8037$   
  $> 77.8037$  AND  $\leq 109.8333$   
  $> 109.8333$  AND  $\leq 160$   
 Not rated or not available

### Political Features

#### Municipalities

 Cities  
 Urban Areas






### Water Features

 Oceans  
 Streams and Canals

### Transportation

 Rails

### Roads

 Interstate Highways  
 US Routes  
 State Highways  
 Local Roads  
 Other Roads

## MAP INFORMATION

Original soil survey map sheets were prepared at publication scale. Viewing scale and printing scale, however, may vary from the original. Please rely on the bar scale on each map sheet for proper map measurements.

Source of Map: Natural Resources Conservation Service  
 Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>  
 Coordinate System: UTM Zone 10N

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Tahoe Basin Area, California and Nevada  
 Survey Area Data: Version 8, Feb 14, 2008

Date(s) aerial images were photographed: 8/25/1998; 8/26/1998; 9/19/1998

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Saturated Hydraulic Conductivity (Ksat)

Saturated Hydraulic Conductivity (Ksat)— Summary by Map Unit — Tahoe Basin Area, California and Nevada				
Map unit symbol	Map unit name	Rating (micrometers per second)	Acres in AOI	Percent of AOI
7011	Beaches	150.0000	73.1	0.8%
7031	Pits and dumps		2.7	0.0%
7041	Tahoe complex, 0 to 2 percent slopes	57.5667	211.3	2.3%
7042	Tahoe complex, 0 to 5 percent slopes, gravelly	81.1880	80.4	0.9%
7071	Watah peat, 0 to 2 percent slopes	73.1250	108.1	1.2%
7191	Rock outcrop, volcanic		47.7	0.5%
7413	Cagwin Rock outcrop complex, 30 to 50 percent slopes, extremely stony	43.2447	93.3	1.0%
7414	Cagwin-Rock outcrop complex, 50 to 70 percent slopes, extremely stony	43.2447	10.0	0.1%
7421	Cassenai gravelly loamy coarse sand, 5 to 15 percent slopes, very stony	31.7200	11.5	0.1%
7422	Cassenai gravelly loamy coarse sand, 15 to 30 percent slopes, very stony	31.7200	24.0	0.3%
7423	Cassenai gravelly loamy coarse sand, 30 to 50 percent slopes, very stony	31.7200	14.0	0.2%
7424	Cassenai gravelly loamy coarse sand, 50 to 70 percent slopes, very stony	31.7200	40.8	0.5%
7426	Cassenai cobbly loamy coarse sand, moist, 15 to 30 percent slopes, very bouldery	44.2750	27.1	0.3%
7427	Cassenai cobbly loamy coarse sand, moist, 30 to 50 percent slopes, very bouldery	44.2750	26.4	0.3%
7428	Cassenai cobbly loamy coarse sand, moist, 50 to 70 percent slopes, very bouldery	44.2750	15.5	0.2%

Saturated Hydraulic Conductivity (Ksat)— Summary by Map Unit — Tahoe Basin Area, California and Nevada				
Map unit symbol	Map unit name	Rating (micrometers per second)	Acres in AOI	Percent of AOI
7451	Gefo gravelly loamy coarse sand, 2 to 9 percent slopes	160.0000	41.3	0.5%
7452	Gefo gravelly loamy coarse sand, 9 to 30 percent slopes	160.0000	129.3	1.4%
7471	Marla loamy coarse sand, 0 to 5 percent slopes	39.8382	24.7	0.3%
7484	Meeks gravelly loamy coarse sand, 5 to 15 percent slopes, extremely bouldery	94.7176	301.7	3.4%
7485	Meeks gravelly loamy coarse sand, 15 to 30 percent slopes, extremely bouldery	94.7176	376.0	4.2%
7486	Meeks gravelly loamy coarse sand, 30 to 70 percent slopes, extremely bouldery	94.7176	807.1	9.0%
7487	Meeks gravelly loamy coarse sand, 5 to 15 percent slopes, rubbly	94.7176	42.3	0.5%
7488	Meeks gravelly loamy coarse sand, 15 to 30 percent slopes, rubbly	94.7176	230.2	2.6%
7489	Meeks gravelly loamy coarse sand, 30 to 70 percent slopes, rubbly	94.7176	554.4	6.2%
7500	Rock outcrop, granitic		477.1	5.3%
7501	Rock Outcrop-Rockbound complex, 5 to 30 percent slopes		225.8	2.5%
7502	Rock Outcrop-Rockbound complex, 30 to 70 percent slopes		813.6	9.0%
7521	Tallac gravelly coarse sandy loam, 5 to 15 percent slopes, very stony	25.1291	231.1	2.6%
7522	Tallac gravelly coarse sandy loam, 15 to 30 percent slopes, very stony	25.1291	82.7	0.9%
7523	Tallac gravelly coarse sandy loam, 30 to 70 percent slopes, very stony	25.1291	21.1	0.2%

<b>Saturated Hydraulic Conductivity (Ksat)— Summary by Map Unit — Tahoe Basin Area, California and Nevada</b>				
<b>Map unit symbol</b>	<b>Map unit name</b>	<b>Rating (micrometers per second)</b>	<b>Acres in AOI</b>	<b>Percent of AOI</b>
7524	Tallac gravelly coarse sandy loam, moderately well drained, 0 to 5 percent slopes	25.1291	739.5	8.2%
7525	Tallac gravelly coarse sandy loam, moderately well drained, 5 to 9 percent slopes	25.1291	476.1	5.3%
7531	Toem-Rock outcrop complex, 9 to 30 percent slopes	64.0864	2.5	0.0%
7533	Toem-Rock outcrop complex, 50 to 70 percent slopes	64.0864	61.5	0.7%
9001	Bidart complex, 0 to 2 percent slopes	48.1667	15.4	0.2%
9404	Dagget very gravelly loamy coarse sand, moist, 5 to 15 percent slopes, rubbly	109.8333	9.1	0.1%
9405	Dagget very gravelly loamy coarse sand, moist, 15 to 30 percent slopes, rubbly	109.8333	34.6	0.4%
9406	Dagget very gravelly loamy coarse sand, moist, 30 to 70 percent slopes, rubbly	109.8333	194.9	2.2%
9407	Dagget-Rock outcrop complex, moist, 30 to 70 percent slopes	109.8333	17.6	0.2%
9421	Jobsis-Whittell-Rock outcrop complex, cool, 8 to 30 percent slopes	60.8684	17.2	0.2%
9442	Temo-Witefels complex, 15 to 30 percent slopes	35.0615	40.7	0.5%
9443	Temo-Witefels complex, 30 to 50 percent slopes	35.0615	77.1	0.9%
9444	Temo-Witefels complex, 50 to 70 percent slopes	35.0615	335.9	3.7%
9461	Whittell-Jobsis-Rock outcrop complex, cool, 30 to 75 percent slopes	77.8037	78.4	0.9%
W	Water		1,759.0	19.5%
Totals for Area of Interest (AOI)			9,003.4	100.0%

## Description

Saturated hydraulic conductivity (Ksat) refers to the ease with which pores in a saturated soil transmit water. The estimates are expressed in terms of micrometers per second. They are based on soil characteristics observed in the field, particularly structure, porosity, and texture. Saturated hydraulic conductivity is considered in the design of soil drainage systems and septic tank absorption fields.

For each soil layer, this attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

The numeric Ksat values have been grouped according to standard Ksat class limits.

## Rating Options

*Units of Measure:* micrometers per second

*Aggregation Method:* Dominant Component

*Component Percent Cutoff:* None Specified

*Tie-break Rule:* Fastest

*Interpret Nulls as Zero:* No

*Layer Options:* All Layers