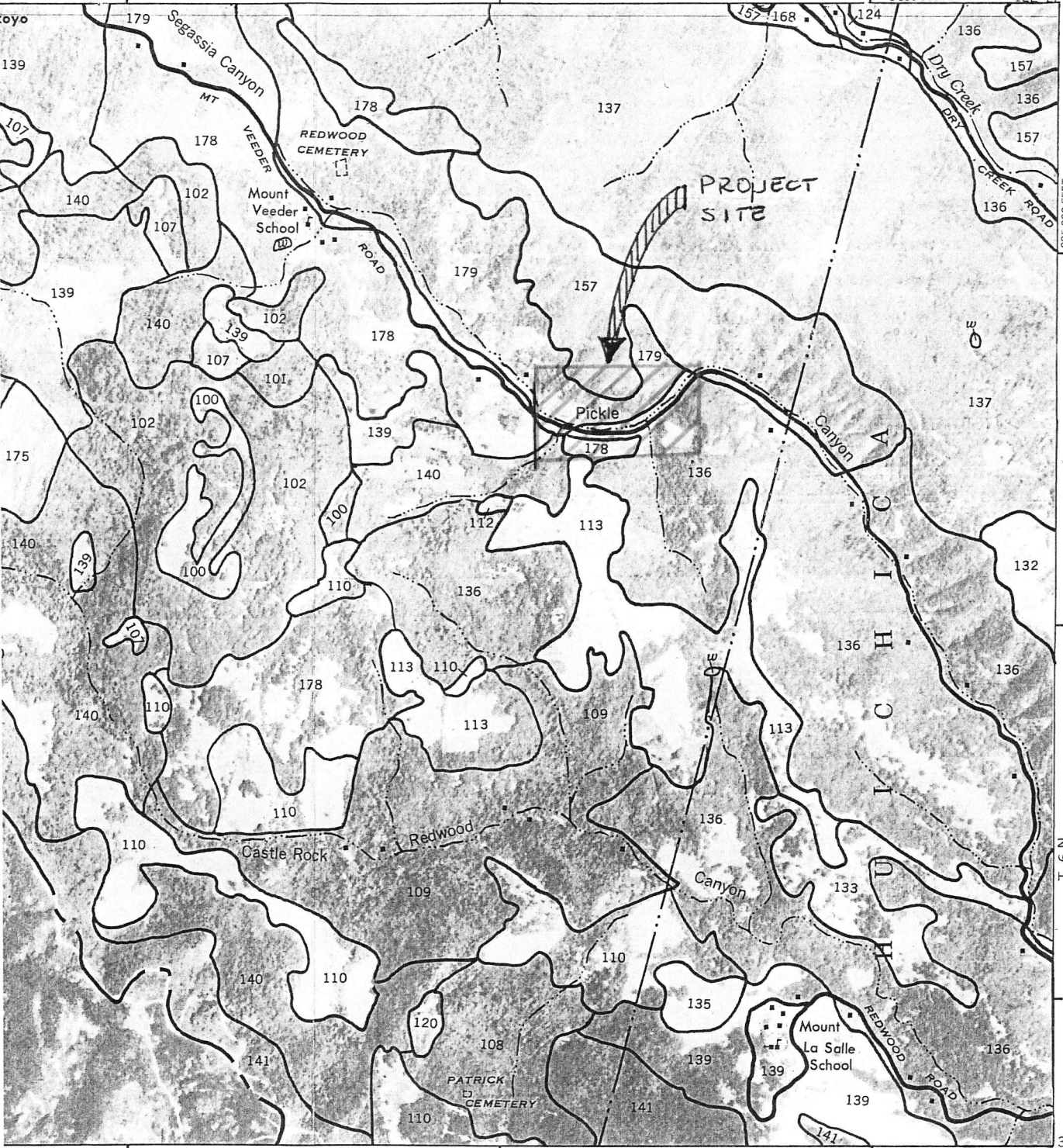


R. 5 W.

1 890 000 FEET

122°22'30"

38°22'30"



225 000 FEET

(Joins sheet 37)

T. 6 N.

38°20'

122°22'30"



R. 5 W.

1 890 000 FEET

122°22'30"

38°22'30"



(Joins sheet 37)

T. 6 N.

38°20'

122°22'30"



USLE LAYOUT AND PRACTICE ALTERNATIVES A=(R)(K)(LS)(C)(P)

Gregory & Karen Crouse Vineyards
 APN 034-100-020
 1801 Mount Veeder Road

SOIL TYPE: Varies 2 Tons/acre-year
 TOLERANCE: 6/24/2008
 DATE:

(3, 4, 5, 6, 7, 8)

FACTOR:	DESCRIPTION	Block A (2) #178 and #179 1.16		Block C #136 0.34		Block D #136 2.15		Block E #136 1.85		Block F #136 4.18	
R	Rainfall	90		90		90		90		90	
K	Soil Erosiveness	0.32		0.25		0.20		0.20		0.20	
L	Max Slope length (ft)	40		55		150		35		90	
S	Avg Gradient	26.0 Avg.		27.0 Avg.		23.0 Avg.		42.0 Avg.		28.0 Avg.	
LS	Calculated LS	3.10		3.81		5.12		5.17		5.11	
C	Cover	0.023 80%, Non Tilled		0.023 80%, Non Tilled		0.023 80%, Non Tilled		0.023 80%, Non Tilled		0.023 80%, Non Tilled	
P	Practice	0.95 cross slope		1 Up & downhill		0.95 cross slope		0.95 cross slope		0.95 along contour	
A	Soil loss, tons/acre	1.95		1.96		2.01		2.04		2.01	
	Soil loss, tons	2		1		4		4		8	

Block B (1) 4.37 3.09 0.08

FACTOR:	DESCRIPTION	Soil #136		Soil #178 & #179		Soil #140	
R	Rainfall	90		90		90	
K	Soil Erosiveness	0.20		0.17		0.17	
L	Max Slope length (ft)	55		40		37	
S	Avg Gradient	32.0 Avg.		42.0 Avg.		6.0 Avg.	
LS	Calculated LS	4.72		5.53		0.57	
C	Cover	0.023 80%, Non Tilled		0.023 80%, Non Tilled		0.023 80%, Non Tilled	
P	Practice	1 Up & downhill		1 Up & downhill		1 Up & downhill	
A	Soil loss, tons/acre	1.95		1.95		0.20	
	Soil loss, tons	9		6		0	

A=(R) (K) (LS) (C) (P)

Map Unit Legend

BLOCKS CDE+F (3-8) Napa County, California (CA055)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
136	Felton gravelly loam, 30 to 50 percent slopes	9.0	100.0%
Totals for Area of Interest (AOI)		9.0	100.0%

BLOCK B (1) Napa County, California (CA055)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
136	Felton gravelly loam, 30 to 50 percent slopes	4.0	57.9%
140	Forward gravelly loam, 30 to 75 percent slopes	0.1	1.0%
178	Sobrante loam, 5 to 30 percent slopes	2.2	31.8%
179	Sobrante loam, 30 to 50 percent slopes	0.6	9.2%
Totals for Area of Interest (AOI)		6.9	100.0%

178—Sobrante loam, 5 to 30 percent slopes. This moderately sloping to moderately steep soil is on foot slopes and side slopes on uplands.

Included with this soil in mapping were small areas of Bressa, Dibble, Felton, Forward, Lodo, and Maymen soils. Also included were areas of soils that are similar to this Sobrante soil but that are neutral in reaction or that have a reddish clay subsoil.

Runoff is medium. The hazard of erosion is slight to moderate.

This soil is used for range. Some areas of less sloping soils in Mt. Veeder area are used for orchards. Capability unit IVE-1 (15); Loamy Upland range site.

179—Sobrante loam, 30 to 50 percent slopes. This steep soil is on uplands. It has the profile described as representative for the series.

Included with this soil in mapping were small areas of Bressa, Dibble, Forward, Henneke, Lodo, and Maymen soils. Also included were areas of soils that have a reddish clay subsoil.

Runoff is rapid. The hazard of erosion is moderate to high.

This soil is used for range and watershed. Capability unit VIe-1 (15); Loamy Upland range site.

140—Forward gravelly loam, 30 to 75 percent slopes. This steep and very steep soil is on uplands. It has the profile described as representative of the series.

Included with this soil in mapping were small areas of Aiken, Boomer, Kidd, and Sobrante soils. Also included were areas of soils that are similar to this Forward soil but that have a clay loam subsoil and areas of clayey, less sloping soils.

Runoff is very rapid. The hazard of erosion is high to very high.

This soil is used for timber, recreation, wildlife habitat, and watershed. Capability unit VIIe-1 (5).

136—Felton gravelly loam, 30 to 50 percent slopes. This steep soil is on uplands. It has the profile described as representative of the series.

Included with this soil in mapping are small areas of Forward, Kidd, Lodo, and Sobrante soils. Also included were small areas of soils that are similar to this Felton soil, but one is more than 40 inches deep to bedrock and one is strongly acid in the subsoil.

Runoff is rapid. The hazard of erosion is moderate to high.

This soil is used for timber and wildlife habitat. Capability unit VIe-1 (5).