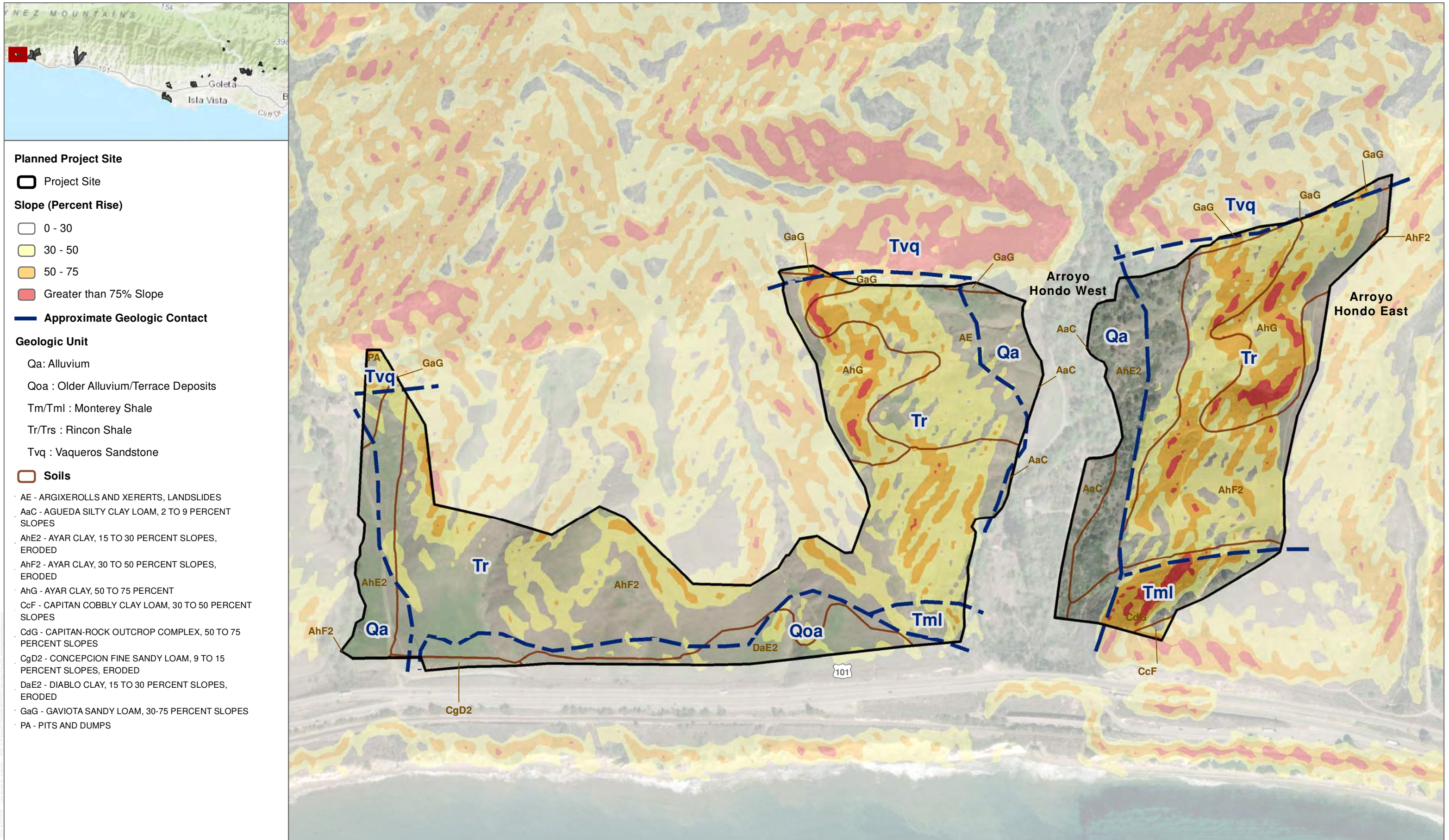

Attachment E

Soils Maps



SOURCE: ESRI World Imagery, Dibblee Geologic Maps, USDA NRCS Ssurgo Soils, USGS

FIGURE 2-1



Planned Project Site

Project Site

Slope (Percent Rise)

- 0 - 30
- 30 - 50
- 50 - 75
- Greater than 75% Slope

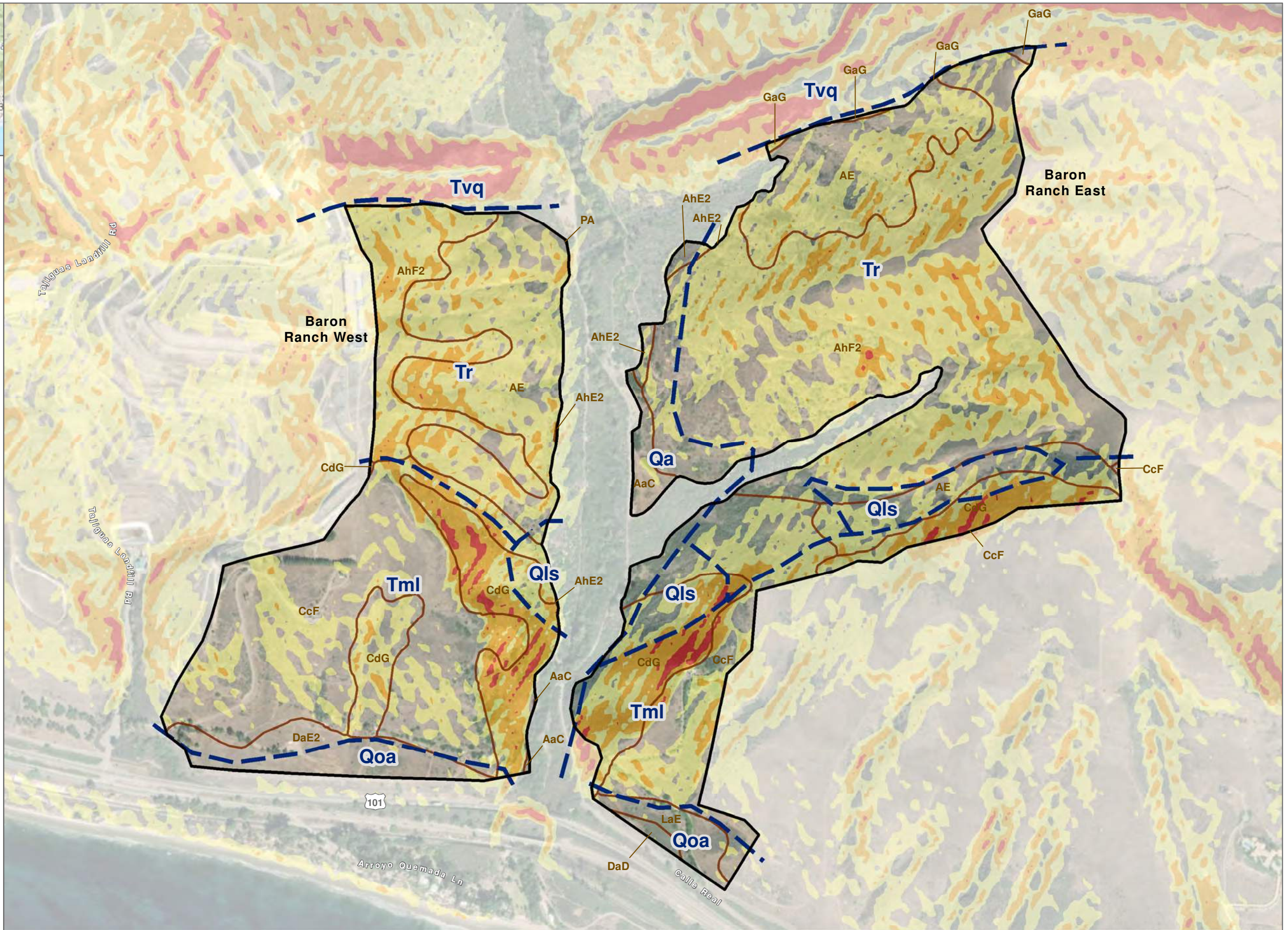
Approximate Geologic

Geologic Unit

- Qa: Alluvium
- Qls : Landslide Debris
- Qoa : Older Alluvium/Terrace Deposits
- Tm/Tml : Monterey Shale
- Tr/Trs : Rincon Shale
- Tvq : Vaqueros Sandstone

Soils

- AE - ARGIXEROLLS AND XERERTS, LANDSLIDES
- AaC - AGUEDA SILTY CLAY LOAM, 2 TO 9 PERCENT SLOPES
- AhE2 - AYAR CLAY, 15 TO 30 PERCENT SLOPES, ERODED
- AhF2 - AYAR CLAY, 30 TO 50 PERCENT SLOPES, ERODED
- CcF - CAPITAN COBBLY CLAY LOAM, 30 TO 50 PERCENT SLOPES
- CdG - CAPITAN-ROCK OUTCROP COMPLEX, 50 TO 75 PERCENT SLOPES
- DaD - DIABLO CLAY, 9 TO 15 PERCENT
- DaE2 - DIABLO CLAY, 15 TO 30 PERCENT SLOPES, ERODED
- GaG - GAVIOTA SANDY LOAM, 30-75 PERCENT SLOPES
- LaE - LINNE CLAY LOAM, 15 TO 30 PERCENT
- PA - PITS AND DUMPS



SOURCE: ESRI World Imagery, Dibblee Geologic Maps, USDA NRCS Ssurgo Soils, USGS



FIGURE 2-2

Baron Ranch East and Baron Ranch West

Santa Barbara South Coast Herbivory Project



SOURCE: ESRI World Imagery, Dibblee Geologic Maps, USDA NRCS Ssurgo Soils, USGS



FIGURE 2-3

Las Flores Canyon and Corral Canyon
Santa Barbara South Coast Herbivory Project



Planned Project Site

- Project Site
- Slope (Percent Rise)**
- 0 - 30
- 30 - 50
- 50 - 75
- Greater than 75% Slope
- Approximate Geologic

- Geologic Unit**
- Qa: Alluvium
- Qoa : Older Alluvium/Terrace Deposits
- Tm/Tml : Monterey Shale

- Soils**
- Cb - CAMARILLO, VARIANT, FINE SANDY LOAM
- CgA - CONCEPCION FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES
- CgC2 - CONCEPCION FINE SANDY LOAM, 2 TO 9 PERCENT SLOPES, ERODED
- CgE2 - CONCEPCION FINE SANDY LOAM, 15 TO 30 PERCENT SLOPES, ERODED
- DaC - DIABLO CLAY, 2 TO 9 PERCENT
- DaD - DIABLO CLAY, 9 TO 15 PERCENT
- MeC - MILPITAS-POSITAS FINE SANDY LOAMS, 2 TO 9 PERCENT SLOPES
- MeD2 - MILPITAS-POSITAS FINE SANDY LOAM, 9 TO 15 PERCENT SLOPES, ERODED



SOURCE: ESRI World Imagery, Dibblee Geologic Maps, USDA NRCS Ssurgo Soils, USGS



FIGURE 2-4

Ellwood Mesa



Planned Project Site

Project Site

Slope (Percent Rise)

- 0 - 30
- 30 - 50
- 50 - 75
- Greater than 75% Slope

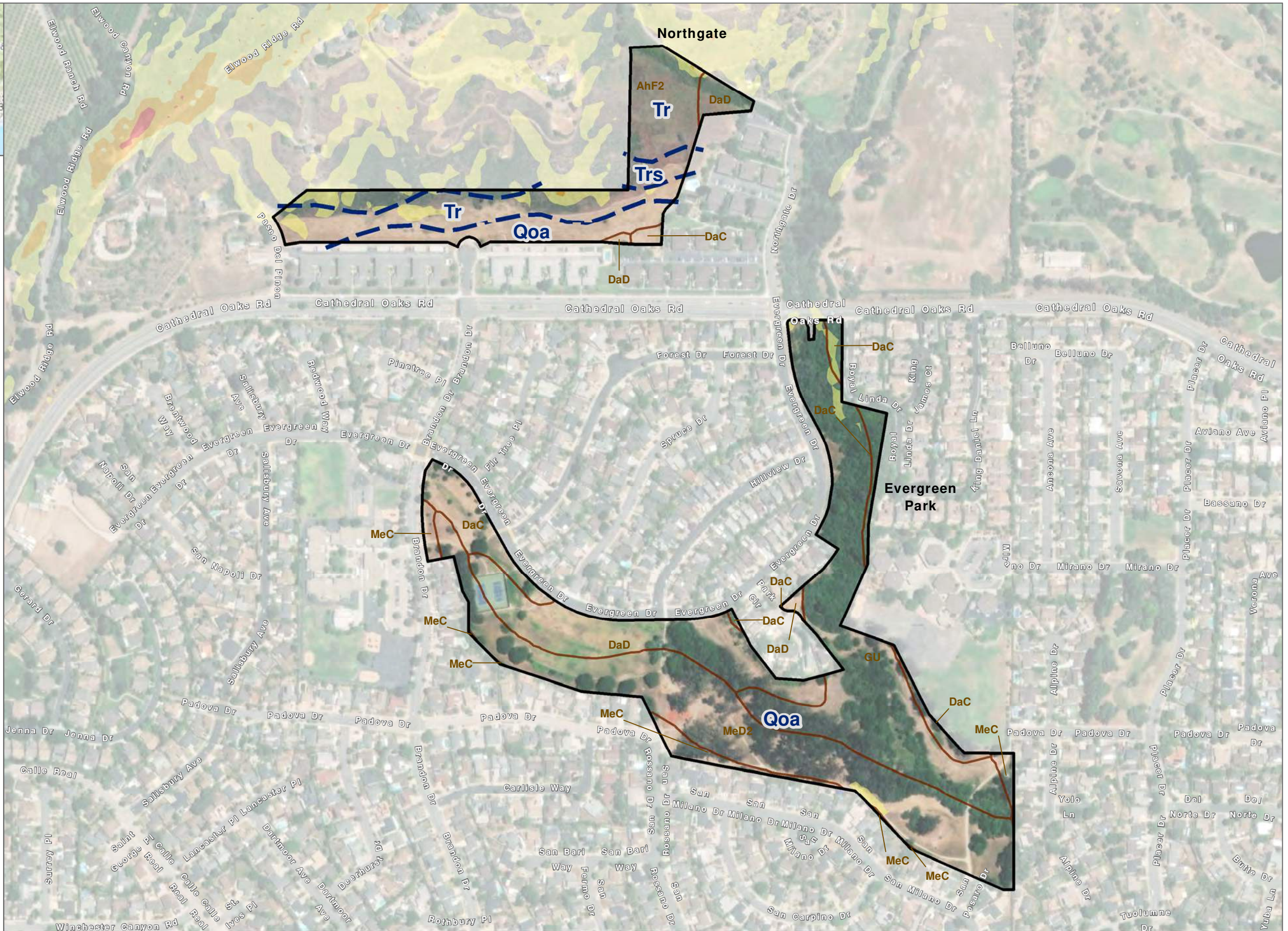
Approximate Geologic

Geologic Unit

- Qoa : Older Alluvium/Terrace Deposits
- Tr/Trs : Rincon Shale

Soils

- AhF2 - AYAR CLAY, 30 TO 50 PERCENT SLOPES, ERODED
- DaC - DIABLO CLAY, 2 TO 9 PERCENT
- DaD - DIABLO CLAY, 9 TO 15 PERCENT
- GU - GULLIED LAND
- MeC - MILPITAS-POSITAS FINE SANDY LOAMS, 2 TO 9 PERCENT SLOPES
- MeD2 - MILPITAS-POSITAS FINE SANDY LOAM, 9 TO 15 PERCENT SLOPES, ERODED



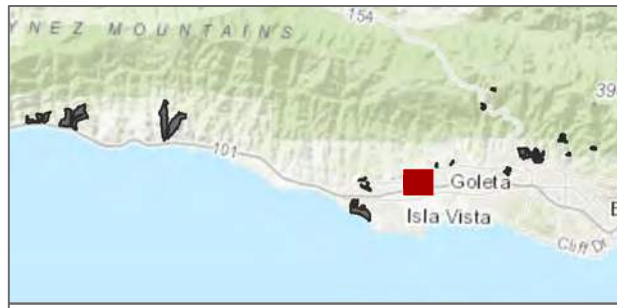
SOURCE: ESRI World Imagery, Dibblee Geologic Maps, USDA NRCS Ssurgo Soils, USGS



FIGURE 2-5

Northgate and Evergreen Open Space

Santa Barbara South Coast Herbivory Project



Planned Project Site

Project Site

Slope (Percent Rise)

- 0 - 30
- 30 - 50
- 50 - 75
- Greater than 75% Slope

Approximate Geologic Contact

Geologic Unit

- Qa: Alluvium
- Qoa : Older Alluvium/Terrace Deposits

Soils

- GcA - GOLETA FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES
- MeC - MILPITAS-POSITAS FINE SANDY LOAMS, 2 TO 9 PERCENT SLOPES
- MeE2 - MILPITAS-POSITAS FINE SANDY LOAMS, 15 TO 30 PERCENT SLOPES, ERODED
- W - WATER



SOURCE: ESRI World Imagery, Dibblee Geologic Maps, USDA NRCS Ssurgo Soils, USGS



FIGURE 2-6

Lake Los Carneros

Santa Barbara South Coast Herbivory Project



Planned Project Site

Project Site

Slope (Percent Rise)

- 0 - 30
- 30 - 50
- 50 - 75
- Greater than 75% Slope

Approximate Geologic Contact

Geologic Unit

- Qa: Alluvium
- Tm/Tml : Monterey Shale

Soils

- AaC - AGUEDA SILTY CLAY LOAM, 2 TO 9 PERCENT SLOPES
- AhF2 - AYAR CLAY, 30 TO 50 PERCENT SLOPES, ERODED
- GdA - GOLETA LOAM, 0 TO 2 PERCENT SLOPES
- MeD2 - MILPITAS-POSITAS FINE SANDY LOAM, 9 TO 15 PERCENT SLOPES, ERODED



SOURCE: ESRI World Imagery, Dibblee Geologic Maps, USDA NRCS Ssurgo Soils, USGS



FIGURE 2-7

La Goleta North and La Goleta South
Santa Barbara South Coast Herbivory Project



Planned Project Site

Project Site

Slope (Percent Rise)

- 0 - 30
- 30 - 50
- 50 - 75
- Greater than 75% Slope

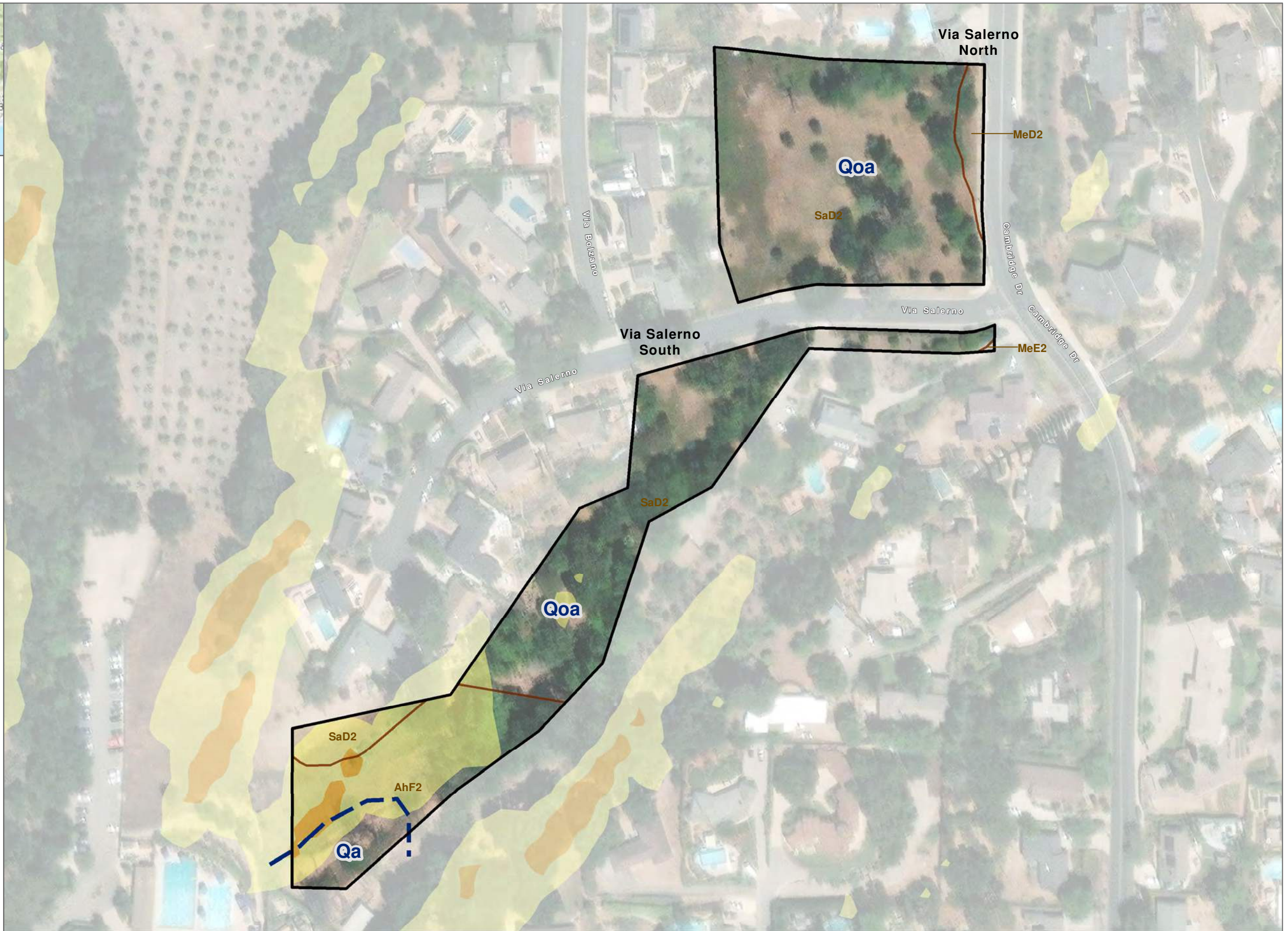
Approximate Geologic Contact

Geologic Unit

- Qa: Alluvium
- Qoa : Older Alluvium/Terrace Deposits

Soils

- AhF2 - AYAR CLAY, 30 TO 50 PERCENT SLOPES, ERODED
- MeD2 - MILPITAS-POSITAS FINE SANDY LOAM, 9 TO 15 PERCENT SLOPES, ERODED
- MeE2 - MILPITAS-POSITAS FINE SANDY LOAMS, 15 TO 30 PERCENT SLOPES, ERODED
- SaD2 - SAN ANDREAS-TIERRA COMPLEX, 9 TO 15 PERCENT SLOPES, ERODED



SOURCE: ESRI World Imagery, Dibblee Geologic Maps, USDA NRCS Ssurgo Soils, USGS



FIGURE 2-8

Via Salerno North and Via Salerno South
Santa Barbara South Coast Herbivory Project



Planned Project Site

Project Site

Slope (Percent Rise)

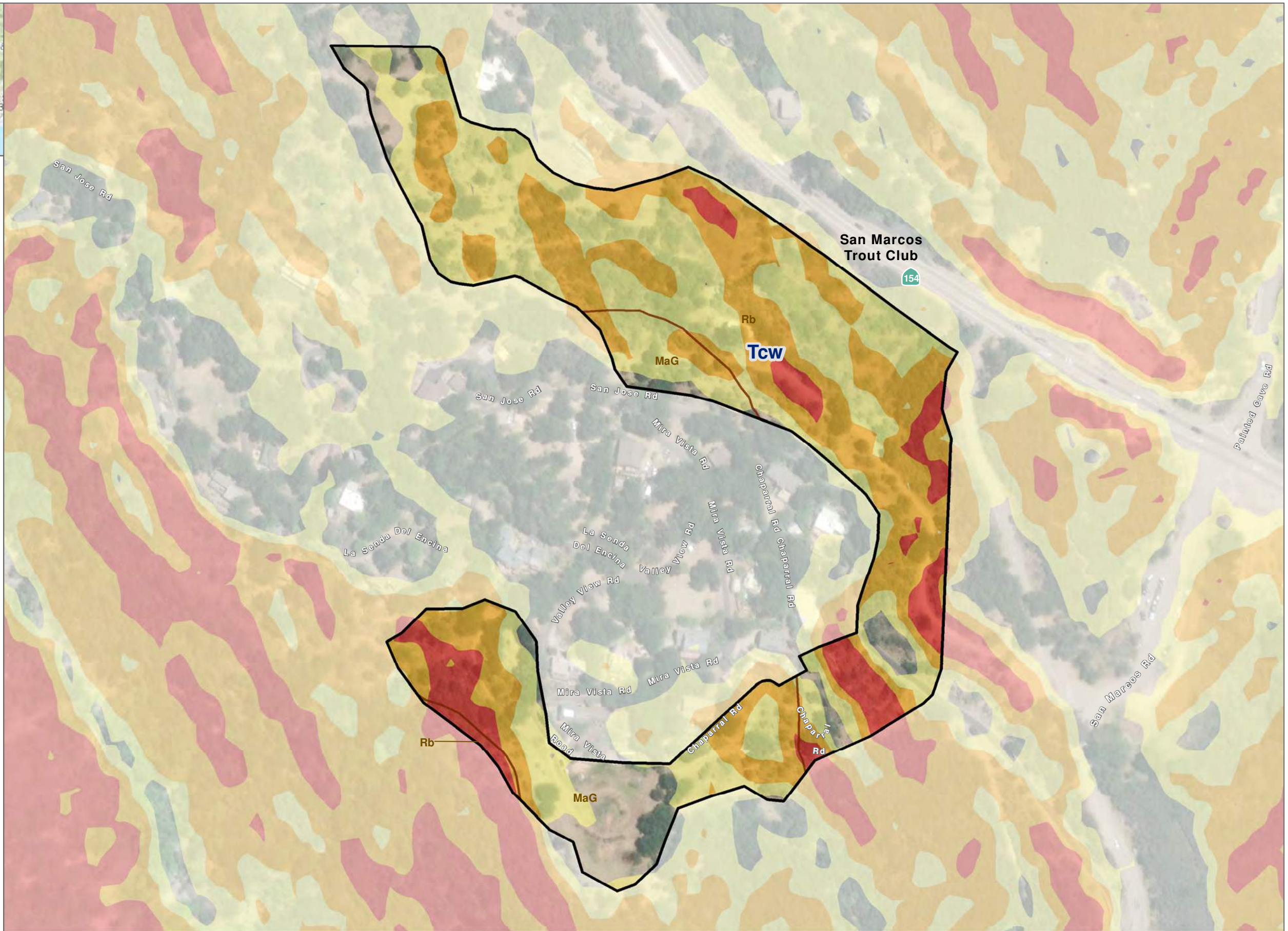
- 0 - 30
- 30 - 50
- 50 - 75
- Greater than 75% Slope

Geologic Unit

Tcw : Coldwater Sandstone

Soils

- MaG - MAYMEN STONY FINE SANDY LOAM, 30 TO 75 PERCENT SLOPES
- Rb - ROCK OUTCROP-MAYMEN COMPLEX, 75 TO 100 PERCENT SLOPES



SOURCE: ESRI World Imagery, Dibblee Geologic Maps, USDA NRCS Ssurgo Soils, USGS



FIGURE 2-9

San Marcos Trout Club

Santa Barbara South Coast Herbivory Project



Planned Project Site

Project Site

Slope (Percent Rise)

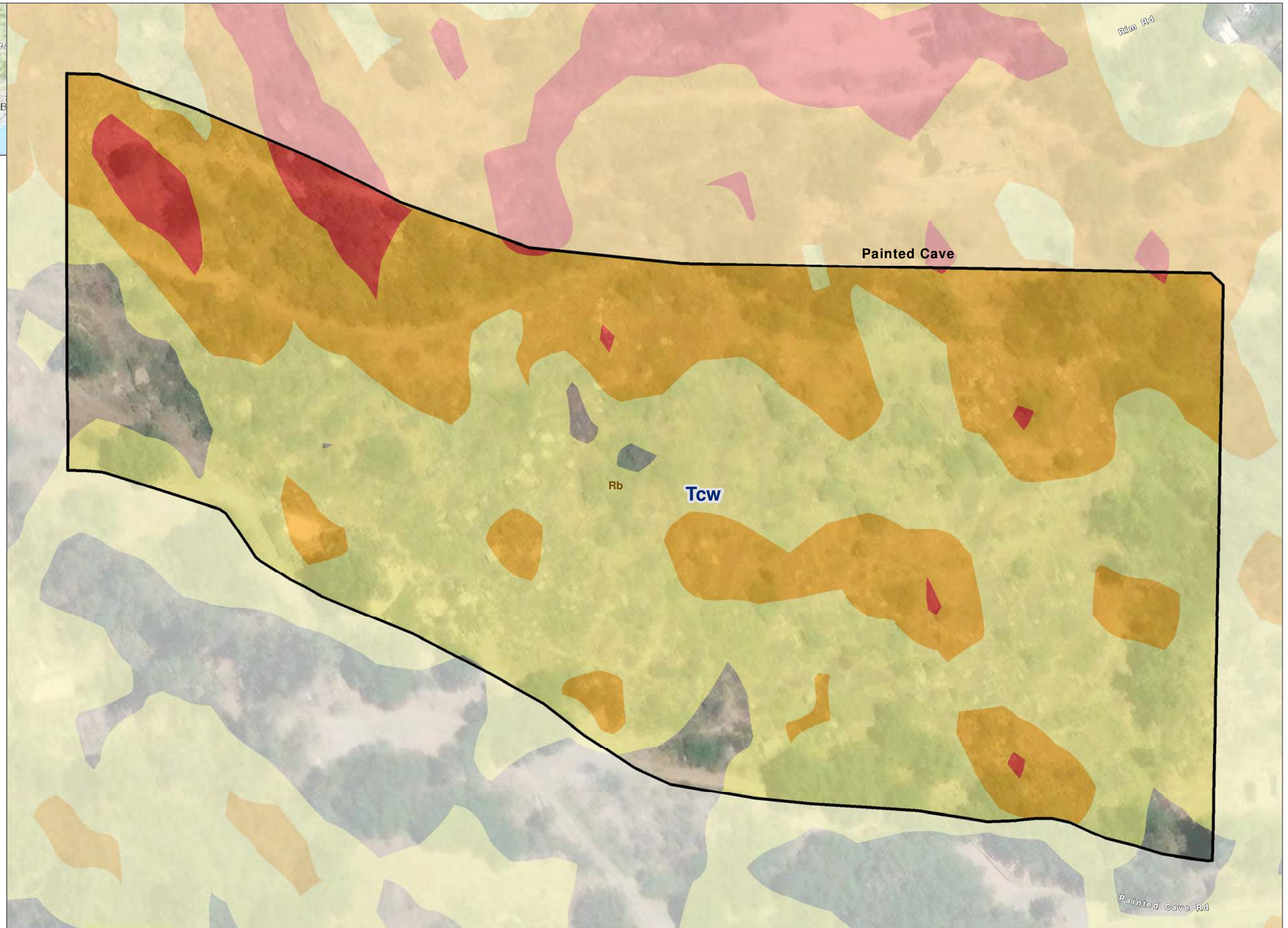
- 0 - 30
- 30 - 50
- 50 - 75
- Greater than 75% Slope

Geologic Unit

Tcw : Coldwater Sandstone

Soils

Rb - ROCK OUTCROP-MAYMEN COMPLEX, 75 TO 100 PERCENT SLOPES

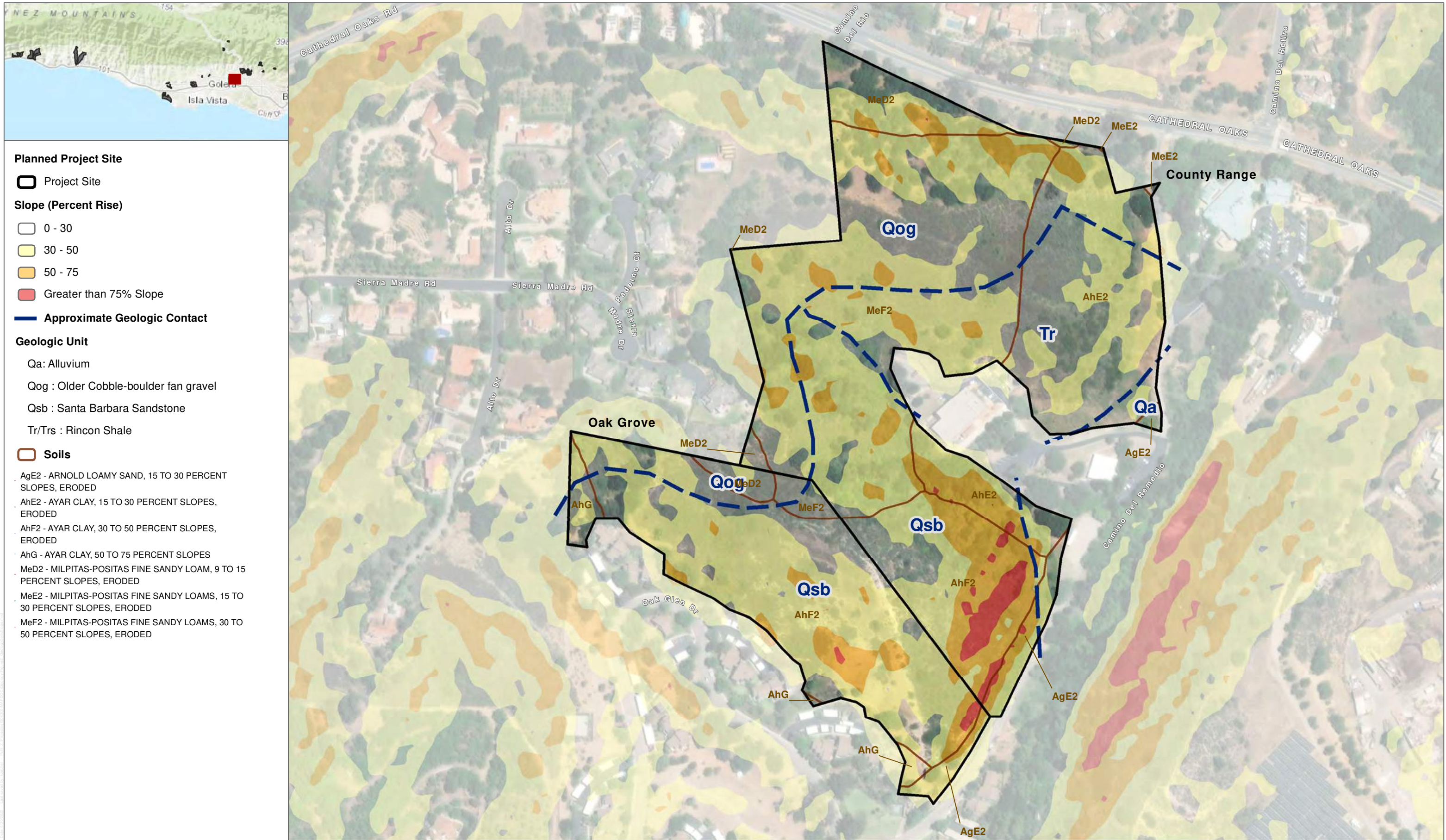


SOURCE: ESRI World Imagery, Dibblee Geologic Maps, USDA NRCS Ssurgo Soils, USGS



FIGURE 2-10

Painted Cave



SOURCE: ESRI World Imagery, Dibblee Geologic Maps, USDA NRCS Ssurgo Soils, USGS

FIGURE 2-11



Planned Project Site

Project Site

Slope (Percent Rise)

- 0 - 30
- 30 - 50
- 50 - 75
- Greater than 75% Slope

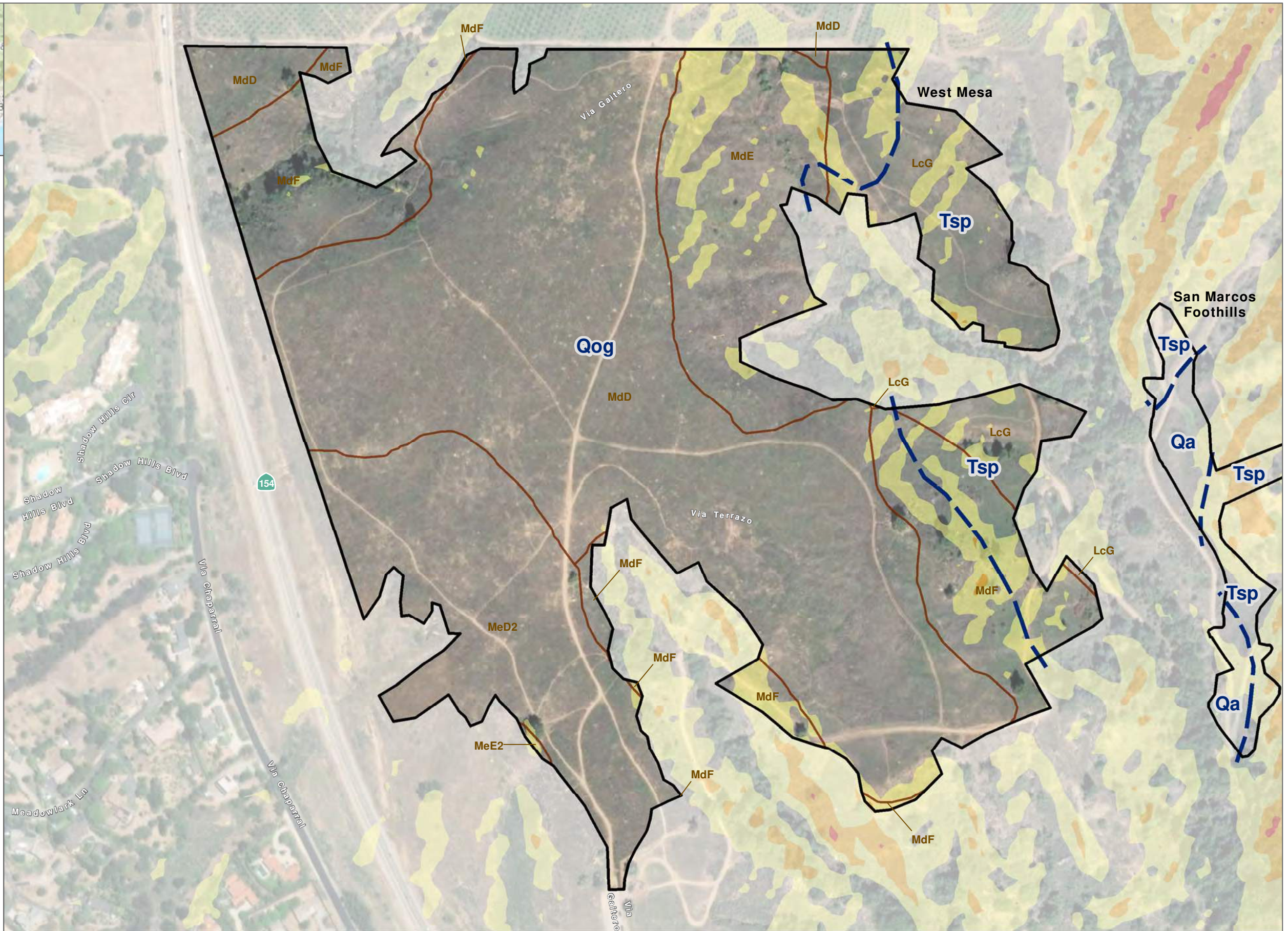
Approximate Geologic Contact

Geologic Unit

- Qa: Alluvium
- Qog : Older Cobble-boulder fan gravel
- Tsp : Sespe Formation

Soils

- BkC2 - BOTELLA VARIANT CLAY LOAM, 2 TO 9 PERCENT SLOPES, ERODED
- GaG - GAVIOTA SANDY LOAM, 30-75 PERCENT SLOPES
- LcG - LODO-SESPE COMPLEX, 50 TO 75 PERCENT SLOPES
- MdD - MILPITAS STONY FINE SANDY LOAM, 9 TO 15 PERCENT SLOPES
- MdE - MILPITAS STONY FINE SANDY LOAM, 15 TO 30 PERCENT SLOPES
- MdF - MILPITAS STONY FINE SANDY LOAM, 30 TO 50 PERCENT SLOPES
- MeD2 - MILPITAS-POSITAS FINE SANDY LOAM, 9 TO 15 PERCENT SLOPES, ERODED
- MeE2 - MILPITAS-POSITAS FINE SANDY LOAMS, 15 TO 30 PERCENT SLOPES, ERODED

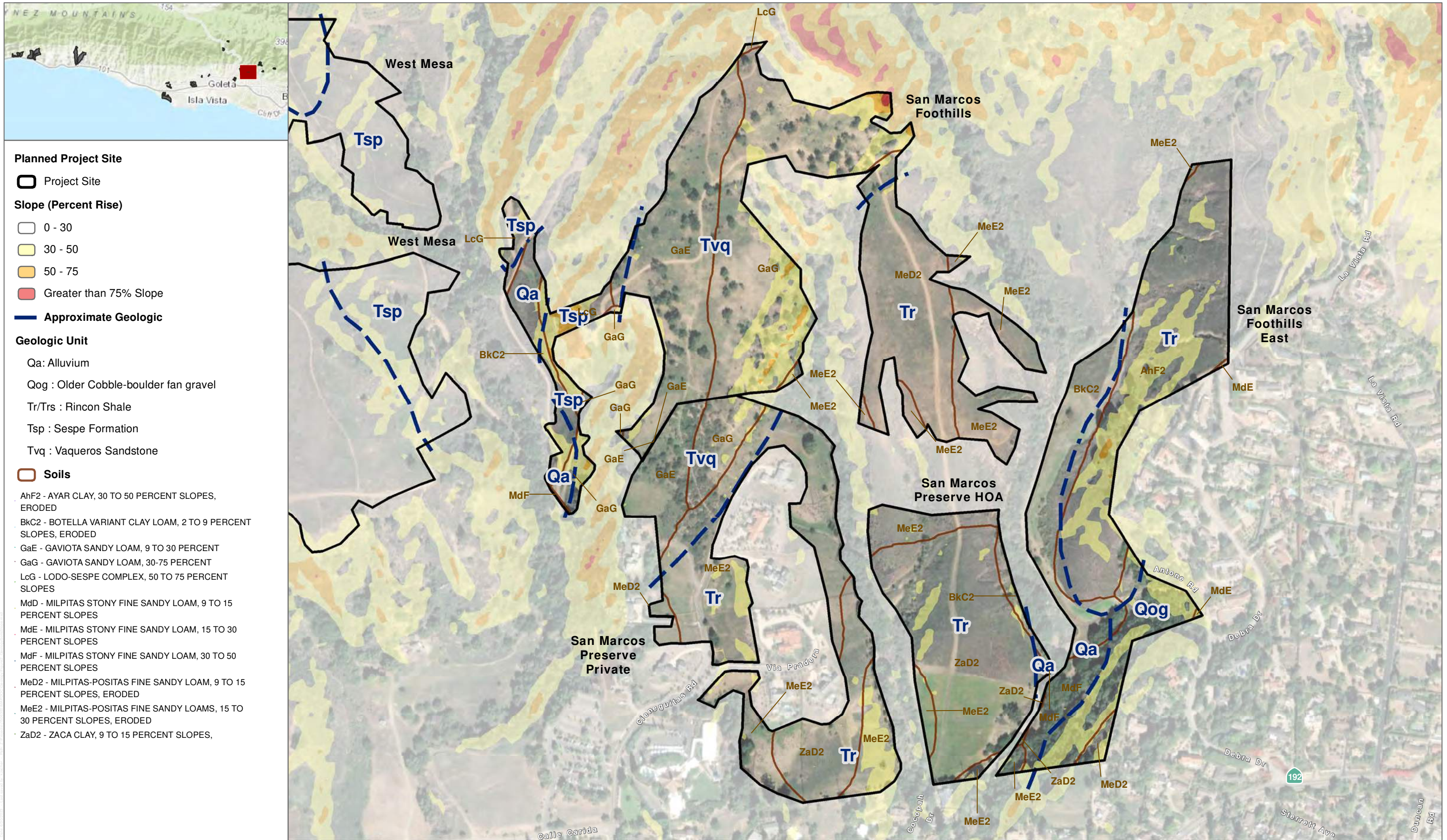


SOURCE: ESRI World Imagery, Dibblee Geologic Maps, USDA NRCS Ssurgo Soils, USGS



FIGURE 2-12

West Mesa



SOURCE: ESRI World Imagery, Dibblee Geologic Maps, USDA NRCS Ssurgo Soils, USGS



FIGURE 2-13

San Marcos Foothills and San Marcos Preserve

Santa Barbara South Coast Herbivory Project



Planned Project Site

Project Site

Slope (Percent Rise)

- 0 - 30
- 30 - 50
- 50 - 75
- Greater than 75% Slope

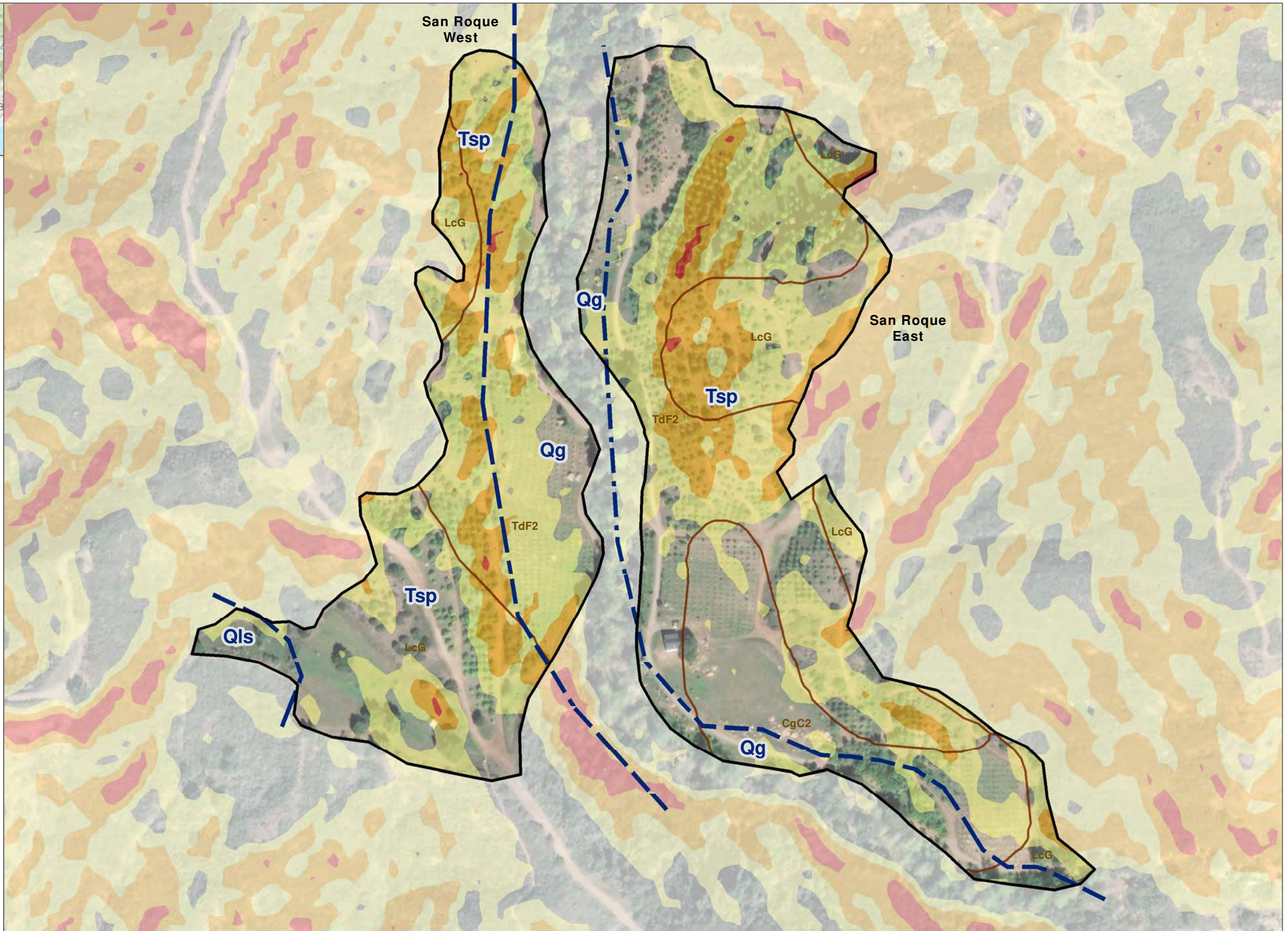
Approximate Geologic

Geologic Unit

- Qg: Stream Channel Deposits
- Qls : Landslide Debris
- Tsp : Sespe Formation

Soils

- CgC2 - CONCEPCION FINE SANDY LOAM, 2 TO 9 PERCENT SLOPES, ERODED
- LcG - LODO-SESPE COMPLEX, 50 TO 75 PERCENT SLOPES
- TdF2 - TODOS-LODO COMPLEX, 30 TO 50 PERCENT SLOPES, ERODED



SOURCE: ESRI World Imagery, Dibblee Geologic Maps, USDA NRCS Ssurgo Soils, USGS



FIGURE 2-14

San Roque East and San Roque West
Santa Barbara South Coast Herbivory Project



Planned Project Site

Project Site

Slope (Percent Rise)

- 0 - 30
- 30 - 50
- 50 - 75
- Greater than 75% Slope

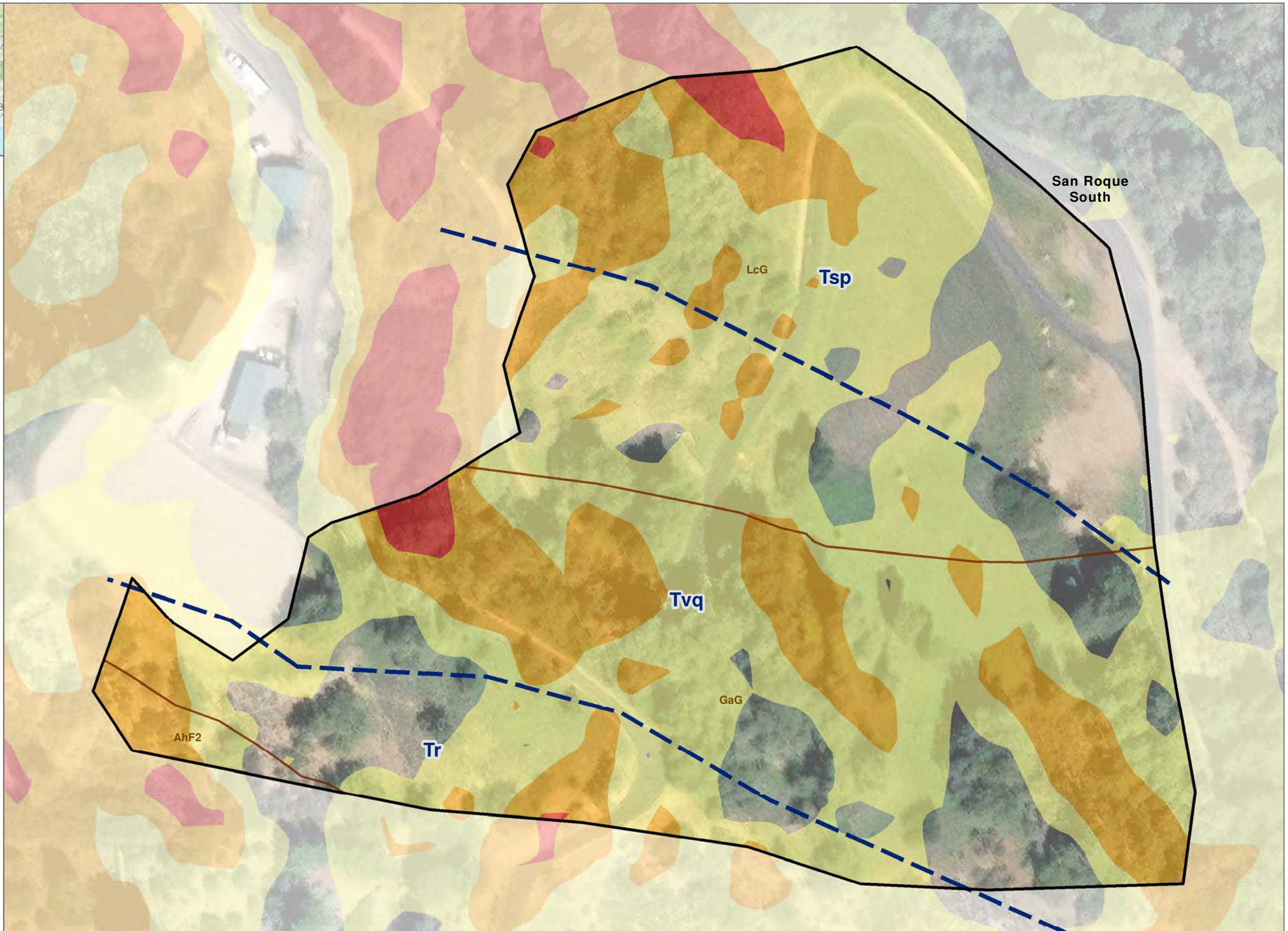
Approximate Geologic Contact

Geologic Unit

- Tr/Trs : Rincon Shale
- Tsp : Sespe Formation
- Tvq : Vaqueros Sandstone

Soils

- AhF2 - AYAR CLAY, 30 TO 50 PERCENT SLOPES, ERODED
- GaG - GAVIOTA SANDY LOAM, 30-75 PERCENT SLOPES
- LcG - LODO-SESPE COMPLEX, 50 TO 75 PERCENT SLOPES



SOURCE: ESRI World Imagery, Dibblee Geologic Maps, USDA NRCS Ssurgo Soils, USGS



FIGURE 2-15

San Roque South

Santa Barbara South Coast Herbivory Project



Planned Project Site

Project Site

Slope (Percent Rise)

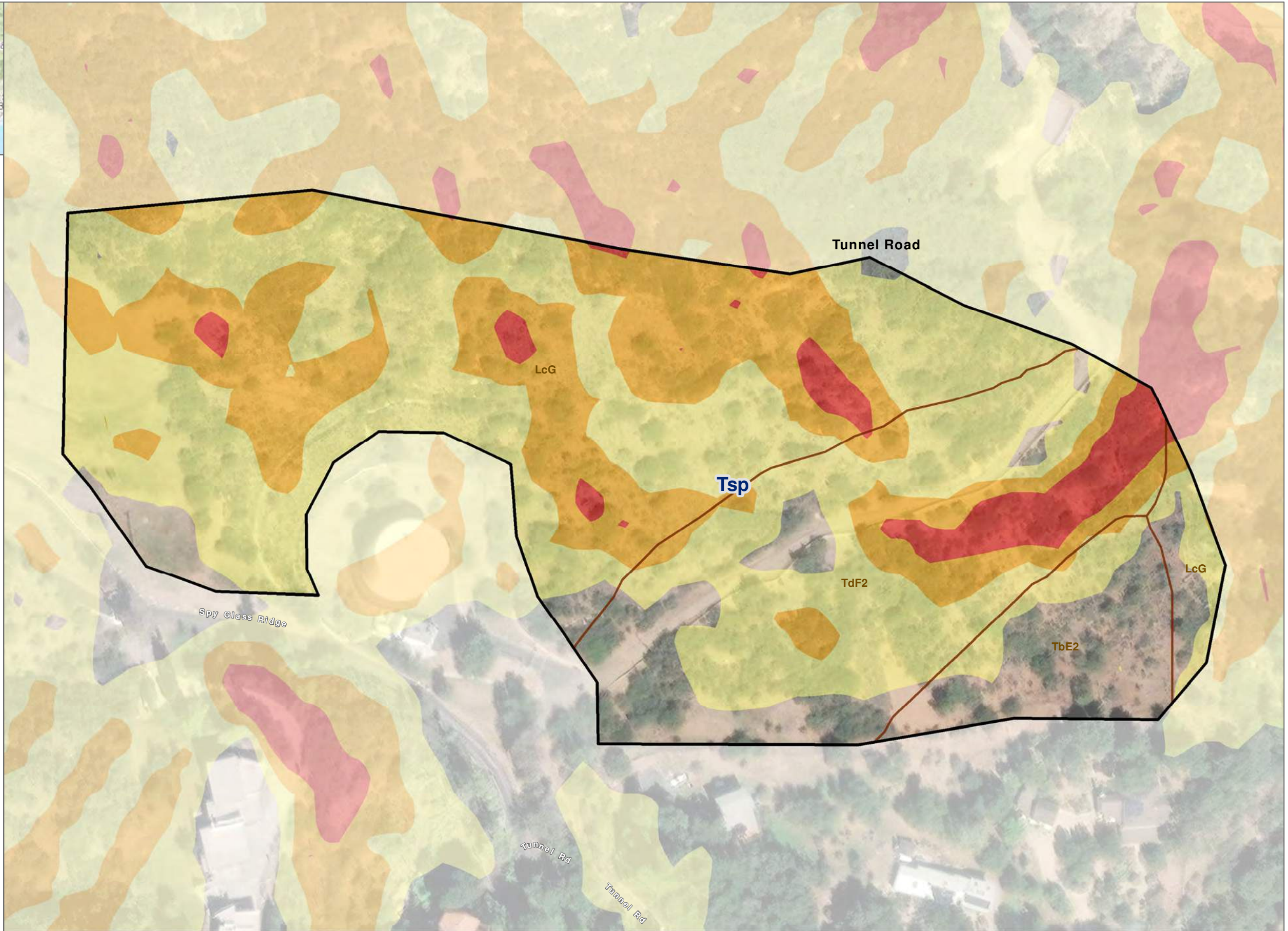
- 0 - 30
- 30 - 50
- 50 - 75
- Greater than 75% Slope

Geologic Unit

Tsp : Sespe Formation

Soils

- LcG - LODO-SESPE COMPLEX, 50 TO 75 PERCENT SLOPES
- TbE2 - TODOS CLAY LOAM, 15 TO 30 PERCENT SLOPES, ERODED
- TdF2 - TODOS-LODO COMPLEX, 30 TO 50 PERCENT SLOPES, ERODED



SOURCE: ESRI World Imagery, Dibblee Geologic Maps, USDA NRCS Ssurgo Soils, USGS



FIGURE 2-16

Tunnel Road