MAP/INFO PACKAGES:

PROPOSED DELIVERY ROUTE MAPS

PLOT PLAN OF INTENDED PROJECT

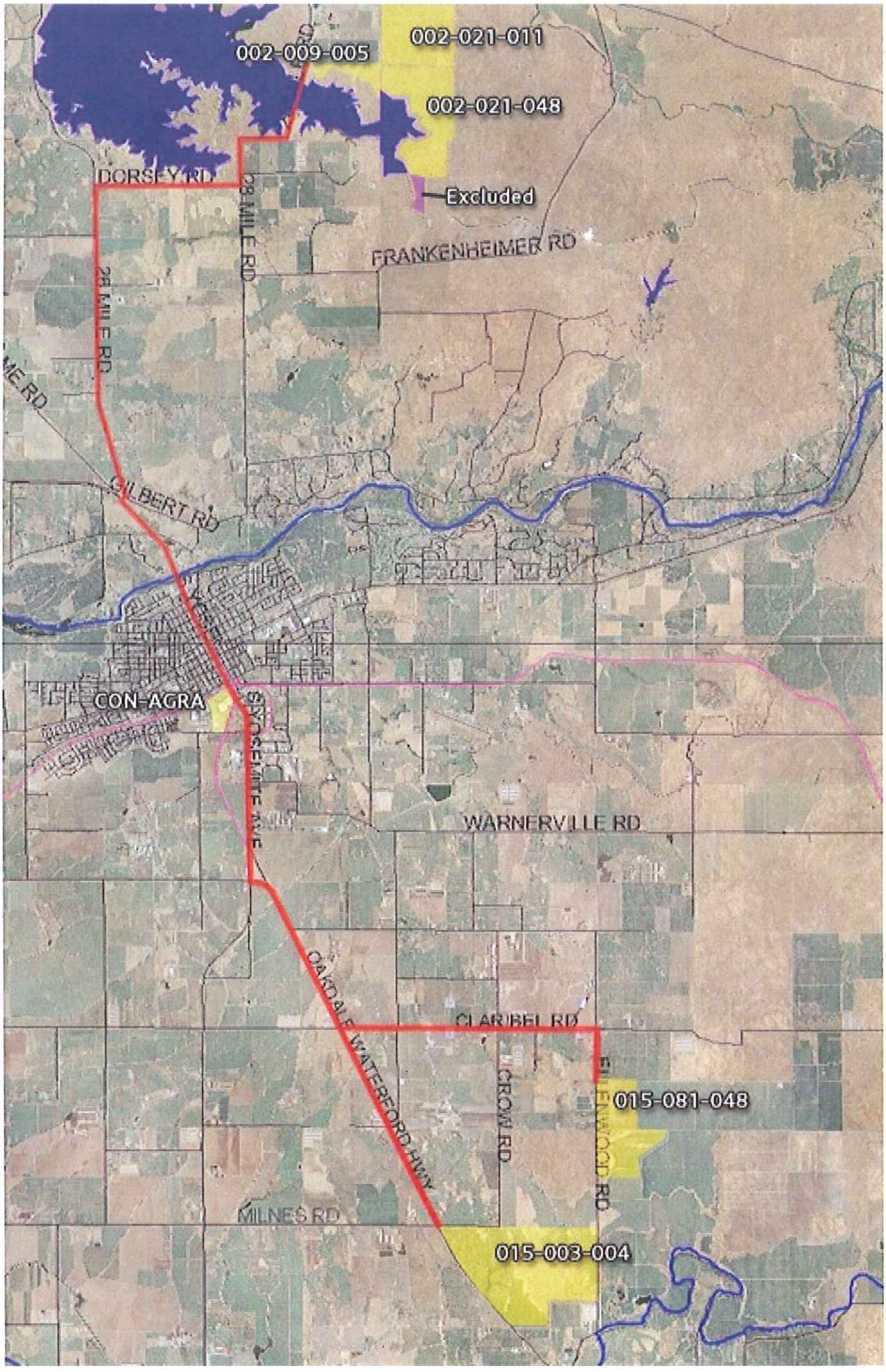
- Location, North arrow, scale and boundaries,
- Name and address of recorded owner,
- Name and person preparing the map,
- Acreage to the nearest acre,
- Location and size of waterway, drainage courses, pipelines, existing irrigation and drainage facilities, irrigation and drainage patterns, existing or proposed water wells, septic tanks and drainage (leach) fields, sewage lines and structures used in connecting therewith, slope of the land, and
- Outline of existing buildings and other structures to remain in place within the project area, showing the distance to existing or proposed public and private roadways.

COLOR AERIAL VIEW CROP MAP

USABLE ACREAGE ESTIMATE

ADJACENT PARCEL MAP INCLUDING PARCEL OWNERS AND ADDRESSES

SOIL TYPES AND ABSORBTION RATE MAP


002-009-005
002-021-011
002-021-048
Excluded
DORSEY RD
28 MILE RD
FRANKENHEIMER RD
GILBERT RD
CON-AGRA
YOSEMITE AVE
WARNERVILLE RD
OAKDALE WATERFORD HWY
CLARIBEL RD
CROW RD
ELLENWOOD RD
015-081-048
MILNES RD
015-003-004

Parcel Information Report --- Custom Option

APN: 015-003-004

OWNERS NAME: V A RODDEN INC

SITE or STREET ADDRESS: ELLENWOOD W OF RD
WATERFORD, CA

MAILING ADDRESS: 4000 ELLENWOOD RD #2
OAKDALE, CA 95361

COMMUNITY SERVICE DISTRICT: Not Within

ELEMENTARY SCHOOL DISTRICT: WATERFORD UNIFIED

FEMA 2008 ZONE: FLOOD ZONE X - OUTSIDE THE 0.2% FLOODPLAIN

FEMA 2008 FIRM PANEL: 06099C0366E

FIRE DISTRICT: STANISLAUS CONSOLIDATED FIRE

FIRE HAZARD SEVERITY ZONE: LRA

GENERAL PLAN DESIGNATION (County): AG

HIGH SCHOOL DISTRICT: WATERFORD UNIFIED

HOSPITAL DISTRICT: OAK VALLEY

JURISDICTION: COUNTY

MOSQUITO ABATEMENT DISTRICT: EASTSIDE MOSQUITO

MUNICIPAL ADVISORY COUNCIL: NOT WITHIN

REDEVELOPMENT SUB-AREAS: NOT WITHIN

SPHERE OF INFLUENCE: NONE

STORM DRAINAGE DISTRICT: NOT WITHIN

SUPERVISORIAL DISTRICT: DISTRICT 1

SUPERVISOR: WILLIAM O'BRIEN

WATERLINE IMPROVEMENT AREA: NOT WITHIN

WILLIAMSON ACT: 71-0012 Year:1971

ZONING DESIGNATION (County): A-2-40

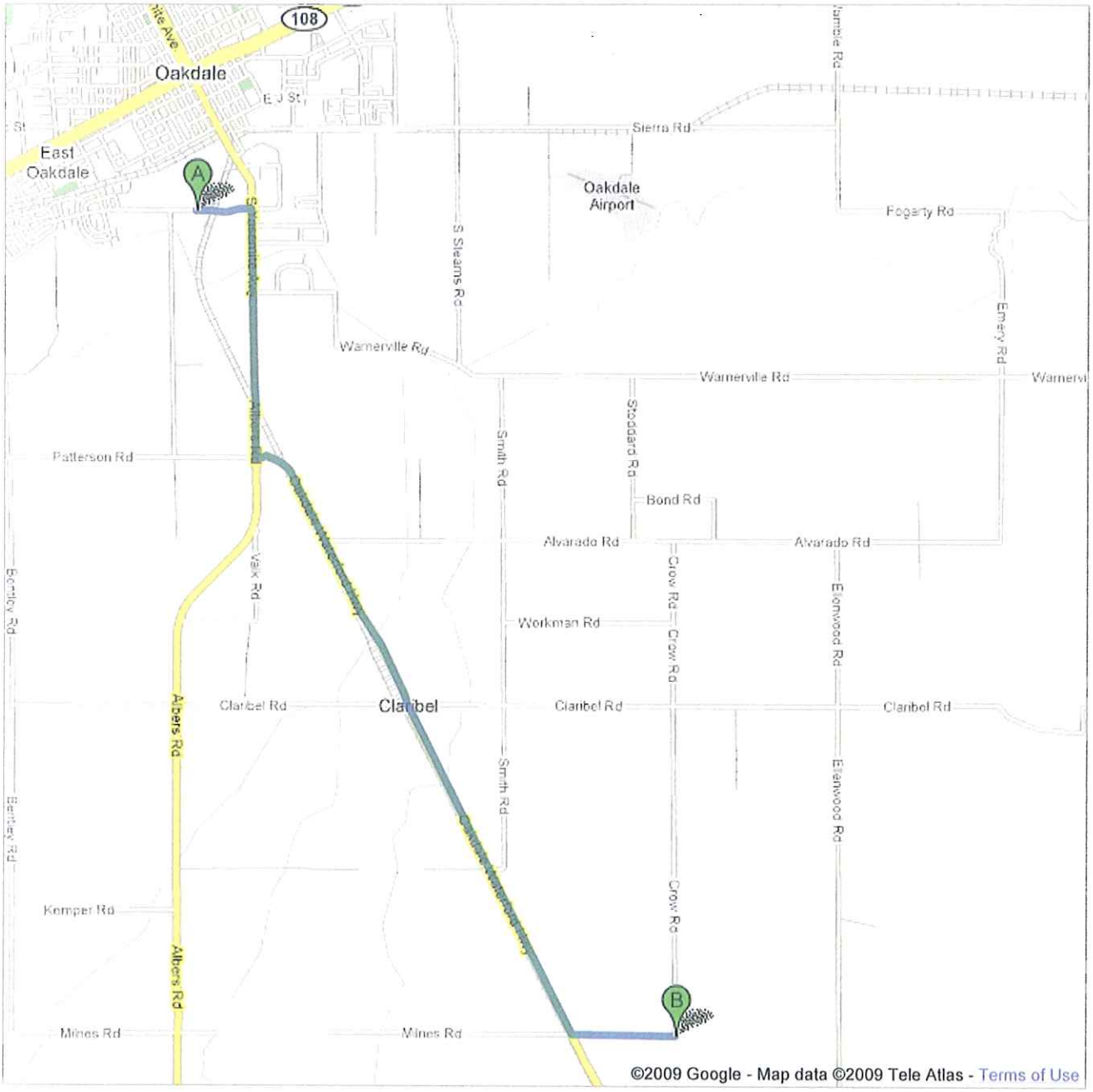
** Ownership and mailing address information subject to verification until further notice.*
Rex 4.0 - Stanislaus County Public Works Department

Google maps

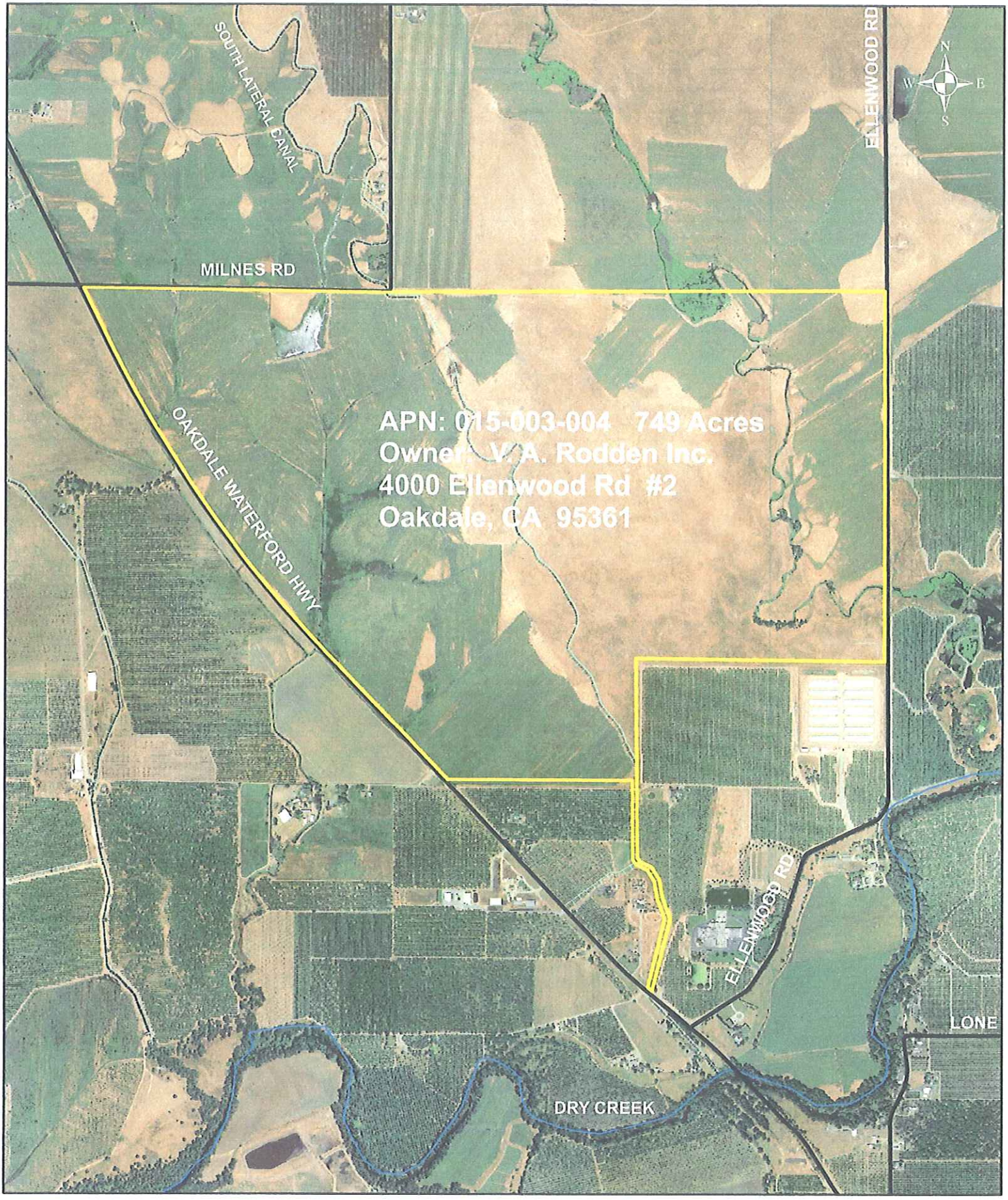
Directions to 3000 Crow Rd, Oakdale (95361

6.6 mi – about 14 mins

Proposed Delivery Route from ConAgra site to Parcel 1(a)



Parcel 1(a)

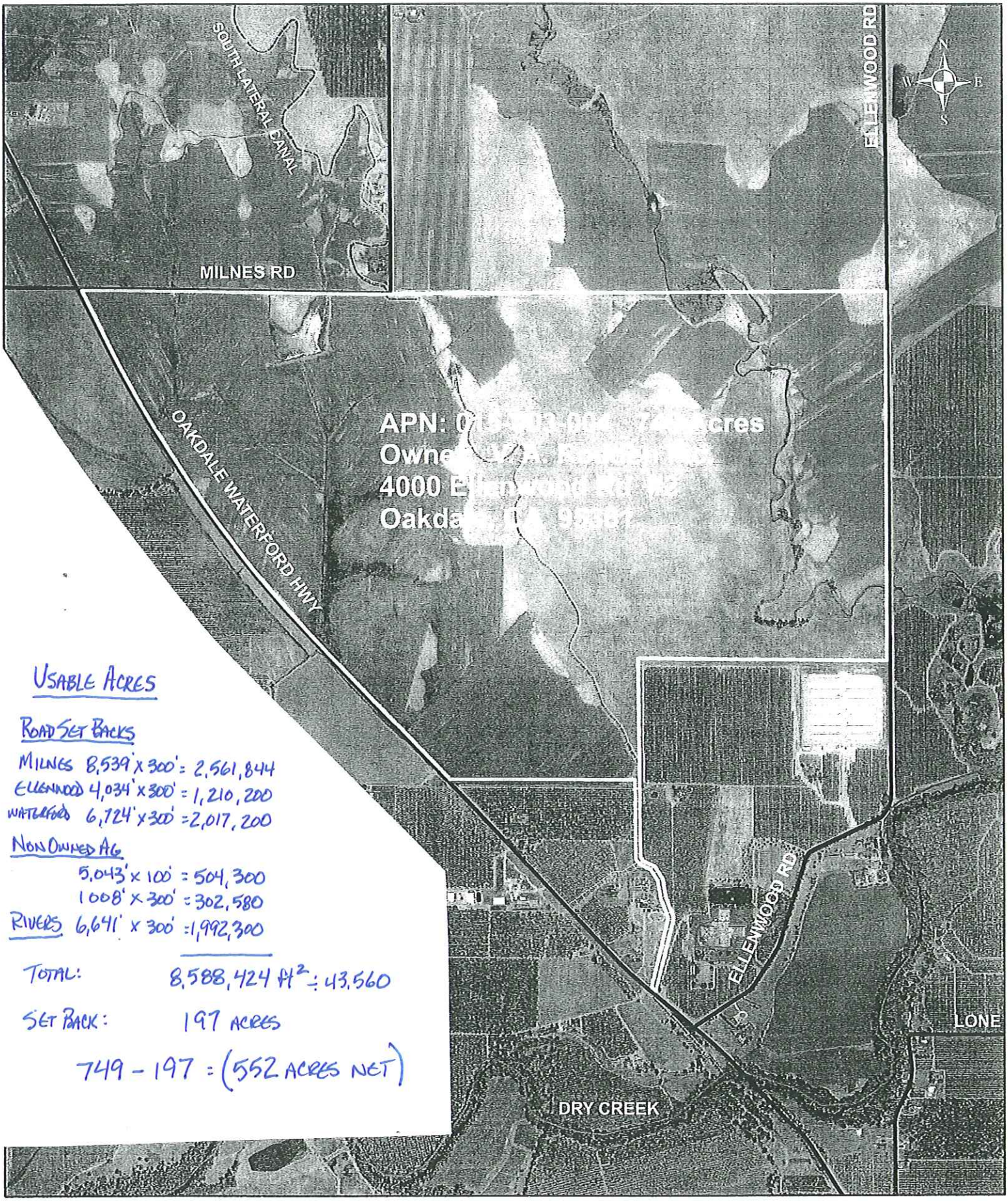


Mike Wilson
Stanislaus County Public Works

0 850 1,700 3,400 Feet

June 2009

Parcel 1(a)



USABLE ACRES

ROAD SET BACKS

MILNES 8,539' x 300' = 2,561,844
ELLENWOOD 4,034' x 300' = 1,210,200
WATERFORD 6,724' x 300' = 2,017,200

NON OWNED AG

5,043' x 100' = 504,300
1008' x 300' = 302,580

RIVERS 6,641' x 300' = 1,992,300

TOTAL: 8,588,424 ft² ÷ 43,560

SET BACK: 197 ACRES

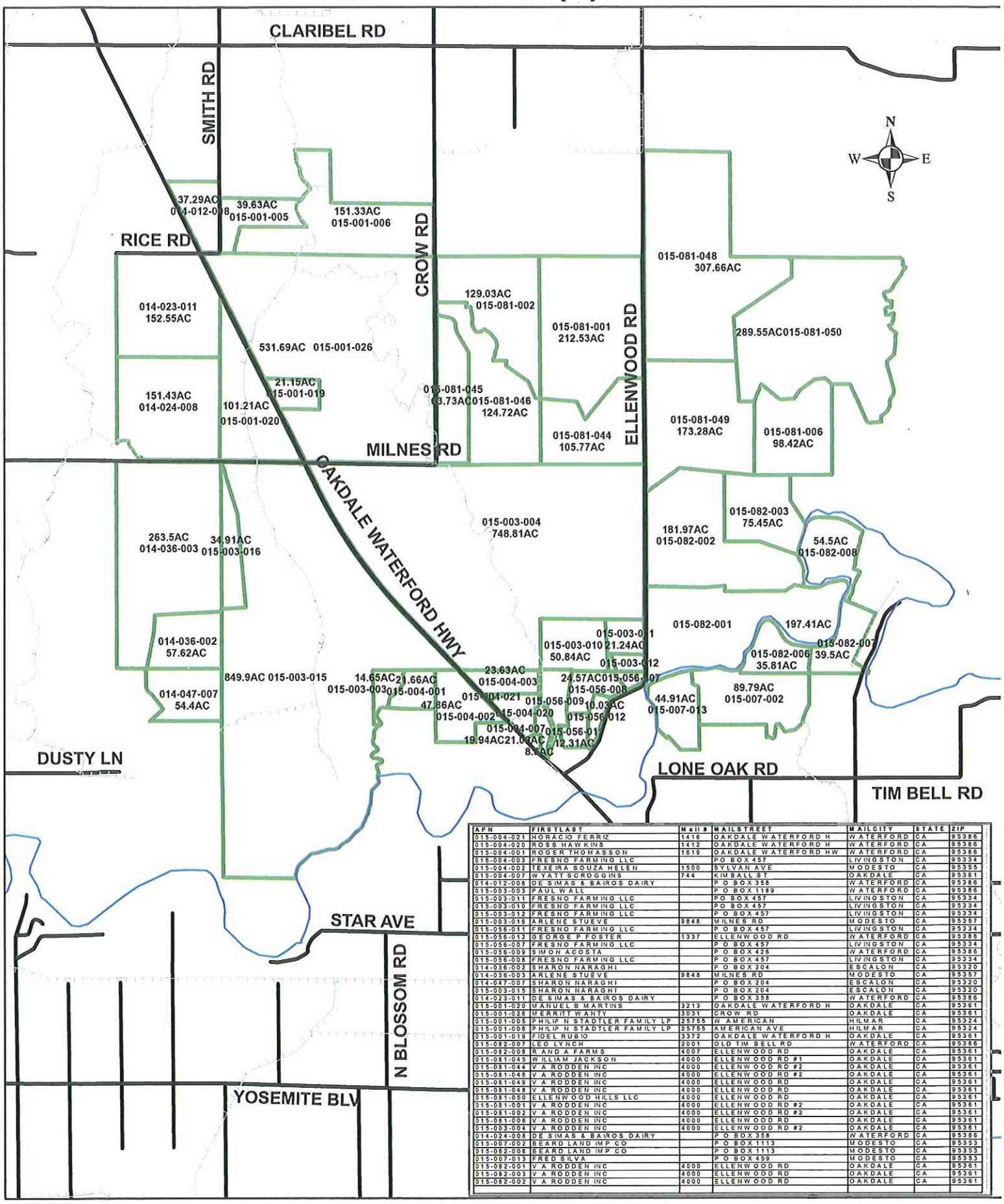
749 - 197 = (552 ACRES NET)

Mike Wilson
Stanislaus County Public Works

0 850 1,700 3,400 Feet

June 2009

Parcel 1(a)



APN	FIRSTLAST	Mail #	MAILSTREET	MAILCITY	STATE	ZIP
015-004-021	HORACIO FERRIZ	1416	OAKDALE WATERFORD H	WATERFORD	CA	95386
015-004-020	ROSS HAWKINS	1412	OAKDALE WATERFORD H	WATERFORD	CA	95386
015-004-001	ROGER THOMASSON	1519	OAKDALE WATERFORD HW	WATERFORD	CA	95386
015-004-003	FRESNO FARMING LLC		PO BOX 457	LIVINGSTON	CA	95334
015-004-002	TEXEIRA SOUZA HELEN	1500	SYLVAN AVE	MODESTO	CA	95355
015-004-007	WYATT SCROGGINS	744	KIMBALL ST	OAKDALE	CA	95361
014-012-008	DE SIMAS & BAIROS DAIRY		P O BOX 358	WATERFORD	CA	95386
015-003-003	PAUL WALL		P O BOX 1189	WATERFORD	CA	95386
015-003-011	FRESNO FARMING LLC		PO BOX 457	LIVINGSTON	CA	95334
015-003-010	FRESNO FARMING LLC		PO BOX 457	LIVINGSTON	CA	95334
015-003-012	FRESNO FARMING LLC		P O BOX 457	LIVINGSTON	CA	95334
015-003-016	ARLENE STUEVE	9848	MILNES RD	MODESTO	CA	95357
015-056-011	FRESNO FARMING LLC		P O BOX 457	LIVINGSTON	CA	95334
015-056-012	GEORGE P FOSTER	1337	ELLENWOOD RD	WATERFORD	CA	95386
015-056-007	FRESNO FARMING LLC		P O BOX 457	LIVINGSTON	CA	95334
015-056-009	SIMON ACOSTA		P O BOX 426	WATERFORD	CA	95386
015-056-008	FRESNO FARMING LLC		P O BOX 457	LIVINGSTON	CA	95334
014-036-002	SHARON NARAGHI		P O BOX 204	ESCALON	CA	95320
014-036-003	ARLENE STUEVE	9848	MILNES RD	MODESTO	CA	95357
014-047-007	SHARON NARAGHI		P O BOX 204	ESCALON	CA	95320
015-003-015	SHARON NARAGHI		P O BOX 204	ESCALON	CA	95320
014-023-011	DE SIMAS & BAIROS DAIRY		P O BOX 358	WATERFORD	CA	95386
015-001-020	MANUEL B MARTINS	3213	OAKDALE WATERFORD H	OAKDALE	CA	95361
015-001-026	MERRITT WANTY	3031	CROW RD	OAKDALE	CA	95361
015-001-005	PHILIP N STADTLER FAMILY LP	25755	W AMERICAN	HILMAR	CA	95324
015-001-006	PHILIP N STADTLER FAMILY LP	25755	AMERICAN AVE	HILMAR	CA	95324
015-001-019	FIDEL RUBIO	3372	OAKDALE WATERFORD H	OAKDALE	CA	95361
015-082-007	LEO LYNCH	2001	OLD TIM BELL RD	WATERFORD	CA	95386
015-082-008	R AND A FARMS	4007	ELLENWOOD RD	OAKDALE	CA	95361
015-081-045	WILLIAM JACKSON	4000	ELLENWOOD RD #1	OAKDALE	CA	95361
015-081-044	V A RODDEN INC	4000	ELLENWOOD RD #2	OAKDALE	CA	95361
015-081-046	V A RODDEN INC	4000	ELLENWOOD RD #2	OAKDALE	CA	95361
015-081-049	V A RODDEN INC	4000	ELLENWOOD RD	OAKDALE	CA	95361
015-081-048	V A RODDEN INC	4000	ELLENWOOD RD	OAKDALE	CA	95361
015-081-050	ELLENWOOD HILLS LLC	4000	ELLENWOOD RD	OAKDALE	CA	95361
015-081-001	V A RODDEN INC	4000	ELLENWOOD RD #2	OAKDALE	CA	95361
015-081-002	V A RODDEN INC	4000	ELLENWOOD RD #2	OAKDALE	CA	95361
015-081-006	V A RODDEN INC	4000	ELLENWOOD RD	OAKDALE	CA	95361
015-003-004	V A RODDEN INC	4000	ELLENWOOD RD #2	OAKDALE	CA	95361
014-024-008	DE SIMAS & BAIROS DAIRY		P O BOX 358	WATERFORD	CA	95386
015-007-002	BEARD LAND IMP CO		P O BOX 1113	MODESTO	CA	95353
015-082-006	BEARD LAND IMP CO		P O BOX 1113	MODESTO	CA	95353
015-007-013	FRED SILVA		P O BOX 459	MODESTO	CA	95353
015-082-001	V A RODDEN INC	4000	ELLENWOOD RD	OAKDALE	CA	95361
015-082-003	V A RODDEN INC	4000	ELLENWOOD RD	OAKDALE	CA	95361
015-082-002	V A RODDEN INC	4000	ELLENWOOD RD	OAKDALE	CA	95361

Mike Wilson
Stanislaus County Public Works

0 2,000 4,000 8,000 Feet

June 2009

SECTIONS 16-19 T.3S. R.11E. M.D.B. & M.

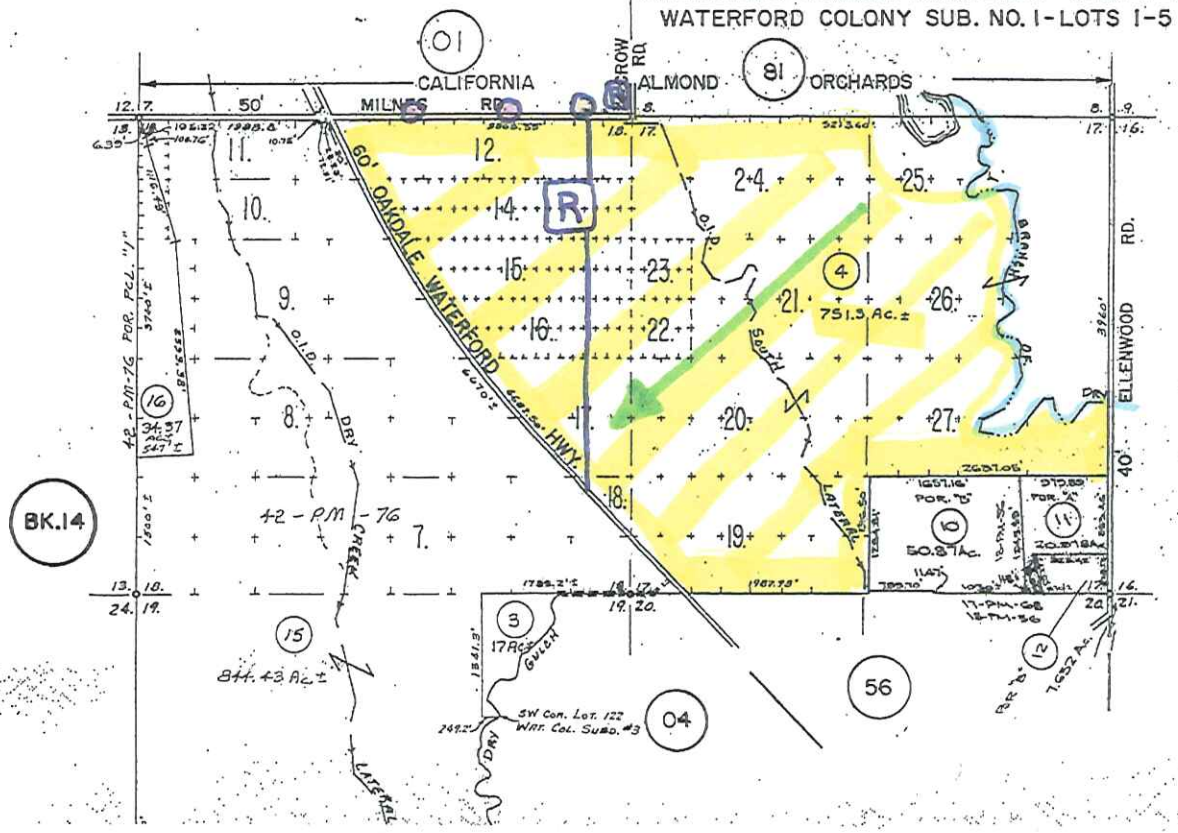
CALIFORNIA ALMOND ORCHARDS - BLKS 7-27

WATERFORD COLONY SUB. NO. 1 - LOTS 1-5

105 001
105 002

15-03

THIS MAP FOR ASSESSMENT PURPOSES ONLY



WATERWAY, DRAINAGE COURSE (UNION SLOUGH)

R RESERVOIR

— OID PIPELINE

LIFT PUMP

SLOPE OF FALL

DEEP WELLS

N RESIDENCE, STRUCTURES

No existing irrigation and drainage facilities, septic tanks and drainage (leach) fields or sewage lines

VA Rodden Inc

3000 Crow Rd

615 acres

Open Ground/Almonds

Back To Book Index

67, 97, 98

15-03

Soil Map—Eastern Stanislaus Area, California

USDA Natural Resources Conservation Service

Web Soil Survey
National Cooperative Soil Survey

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Units

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other

Special Line Features
- Gully
- Short Steep Slope
- Other

Political Features
- Cities

Water Features
- Oceans
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

MAP INFORMATION

Map Scale: 1:4,520 if printed on A size (8.5" × 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov
Coordinate System: UTM Zone 10N NAD83

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

Soil Survey Area: Eastern Stanislaus Area, California
Survey Area Data: Version 6, Jul 22, 2009

Date(s) aerial images were photographed: 6/11/2005

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.

Map Unit Legend

Eastern Stanislaus Area, California (CA644)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
AnA	Anderson gravelly fine sandy loam, 0 to 3 percent slopes	4.9	0.6%
AoA	Anderson gravelly fine sandy loam, channeled, 0 to 3 percent slopes	36.0	4.6%
HbA	Hanford fine sandy loam, 0 to 3 percent slopes	5.0	0.6%
HdA	Hanford sandy loam, 0 to 3 percent slopes	0.0	0.0%
HtA	Hopeton clay loam, 0 to 3 percent slopes	92.7	11.8%
HuA	Hopeton loam, 0 to 3 percent slopes	23.9	3.0%
HuB	Hopeton loam, 3 to 8 percent slopes	4.6	0.6%
MdA	Madera sandy loam, 0 to 2 percent slopes	22.2	2.8%
MkA	Meikle clay, 0 to 1 percent slopes	24.3	3.1%
MtA	Montpellier coarse sandy loam, 0 to 3 percent slopes	36.3	4.6%
MtB	Montpellier coarse sandy loam, 3 to 8 percent slopes	59.6	7.6%
MtC	Montpellier coarse sandy loam, 8 to 15 percent slopes	5.6	0.7%
PaA	Paulsell clay, 0 to 1 percent slopes	15.4	2.0%
PmB	Pentz loam, moderately deep, 3 to 8 percent slopes	8.1	1.0%
PmC	Pentz loam, moderately deep, 8 to 15 percent slopes	39.5	5.0%
RdB	Redding gravelly loam, 0 to 8 percent slopes	14.2	1.8%
RtA	Ryer clay, 0 to 1 percent slopes	43.1	5.5%
RyA	Ryer loam, 0 to 1 percent slopes	7.4	0.9%
Tx	Terrace escarpments	13.1	1.7%
W	Water	4.3	0.5%
WmB	Whitney sandy loams, 3 to 8 percent slopes	2.0	0.3%
WmC	Whitney sandy loams, 8 to 15 percent slopes	13.2	1.7%
WrB	Whitney and Rocklin sandy loams, 3 to 8 percent slopes	309.1	39.3%
WvA	Wyman loam, 0 to 1 percent slopes	1.4	0.2%
Totals for Area of Interest		**786.0**	**100.0%**

Map Unit Description

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. All the soils of a series have major horizons that are similar in composition, thickness, and arrangement. Soils of a given series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Additional information about the map units described in this report is available in other soil reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the soil reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description

Eastern Stanislaus Area, California

AnA—Anderson gravelly fine sandy loam, 0 to 3 percent slopes

Map Unit Setting

Elevation: 350 to 1,500 feet
Mean annual precipitation: 25 inches
Mean annual air temperature: 63 degrees F
Frost-free period: 225 to 300 days

Map Unit Composition

Anderson and similar soils: 85 percent

Minor components: 15 percent

Description of Anderson

Setting

Landform: Alluvial fans
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Very gravelly alluvium derived from igneous, metamorphic and sedimentary rock

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Somewhat excessively drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: Occasional
Frequency of ponding: None
Available water capacity: Low (about 4.9 inches)

Interpretive groups

Land capability classification (irrigated): 3s
Land capability (nonirrigated): 4s

Typical profile

0 to 14 inches: Gravelly fine sandy loam
14 to 24 inches: Very gravelly sandy loam
24 to 60 inches: Stratified very gravelly sand to very gravelly sandy clay loam

Minor Components

Wyman

Percent of map unit: 5 percent

Honcut

Percent of map unit: 5 percent

Bear creek

Percent of map unit: 5 percent

AoA—Anderson gravelly fine sandy loam, channeled, 0 to 3 percent slopes

Map Unit Setting

Elevation: 350 to 1,500 feet
Mean annual precipitation: 25 inches
Mean annual air temperature: 63 degrees F
Frost-free period: 225 to 300 days

Map Unit Composition

Anderson and similar soils: 85 percent
Minor components: 15 percent

Description of Anderson

Setting

Landform: Alluvial fans
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Very gravelly alluvium derived from igneous, metamorphic and sedimentary rock

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Somewhat excessively drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: Occasional
Frequency of ponding: None
Available water capacity: Low (about 4.9 inches)

Interpretive groups

Land capability classification (irrigated): 3s
Land capability (nonirrigated): 4s

Typical profile

0 to 14 inches: Gravelly fine sandy loam
14 to 23 inches: Very gravelly sandy loam
23 to 60 inches: Stratified very gravelly sand to very gravelly sandy clay loam

Minor Components

Wyman

Percent of map unit: 5 percent

Honcut

Percent of map unit: 5 percent

Bear creek

Percent of map unit: 5 percent

HbA—Hanford fine sandy loam, 0 to 3 percent slopes

Map Unit Setting

Elevation: 150 to 900 feet
Mean annual precipitation: 10 to 20 inches
Mean annual air temperature: 63 degrees F
Frost-free period: 250 to 280 days

Map Unit Composition
Hanford and similar soils: 85 percent
Minor components: 15 percent

Description of Hanford

Setting
Landform: Alluvial fans
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from igneous rock

Properties and qualities
Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Moderate (about 8.4 inches)

Interpretive groups
Land capability classification (irrigated): 1
Land capability (nonirrigated): 4e

Typical profile
0 to 12 inches: Fine sandy loam
12 to 60 inches: Sandy loam

Minor Components

Tujunga
Percent of map unit: 5 percent

Grangeville
Percent of map unit: 5 percent

Dinuba
Percent of map unit: 5 percent

HdA—Hanford sandy loam, 0 to 3 percent slopes

Map Unit Setting
Elevation: 150 to 900 feet
Mean annual precipitation: 10 to 20 inches
Mean annual air temperature: 63 degrees F
Frost-free period: 250 to 280 days

Map Unit Composition
Hanford and similar soils: 85 percent

Minor components: 15 percent

Description of Hanford

Setting

Landform: Alluvial fans
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from igneous rock

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Moderate (about 8.1 inches)

Interpretive groups

Land capability classification (irrigated): 1
Land capability (nonirrigated): 4c

Typical profile

0 to 12 inches: Sandy loam
12 to 60 inches: Sandy loam

Minor Components

Tujunga

Percent of map unit: 5 percent

Grangeville

Percent of map unit: 5 percent

Dinuba

Percent of map unit: 5 percent

HtA—Hopeton clay loam, 0 to 3 percent slopes

Map Unit Setting

Elevation: 100 feet
Mean annual precipitation: 18 inches
Mean annual air temperature: 63 degrees F
Frost-free period: 200 to 300 days

Map Unit Composition

Hopeton and similar soils: 85 percent
Minor components: 15 percent

Description of Hopeton

Setting

Down-slope shape: Convex
Across-slope shape: Concave
Parent material: Residuum weathered from sandstone

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 20 to 40 inches to paralithic bedrock
Drainage class: Moderately well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water capacity: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): 3s
Land capability (nonirrigated): 4s

Typical profile

0 to 11 inches: Clay loam
11 to 29 inches: Clay loam
29 to 38 inches: Clay loam
38 to 42 inches: Weathered bedrock

Minor Components

Redding

Percent of map unit: 5 percent

Pentz

Percent of map unit: 5 percent

Corning

Percent of map unit: 5 percent

HuA—Hopeton loam, 0 to 3 percent slopes

Map Unit Setting

Elevation: 100 feet
Mean annual precipitation: 18 inches
Mean annual air temperature: 63 degrees F
Frost-free period: 200 to 300 days

Map Unit Composition

Hopeton and similar soils: 85 percent
Minor components: 15 percent

Description of Hopeton

Setting

Down-slope shape: Convex
Across-slope shape: Concave
Parent material: Residuum weathered from sandstone

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 20 to 40 inches to paralithic bedrock
Drainage class: Moderately well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water capacity: Low (about 4.7 inches)

Interpretive groups

Land capability classification (irrigated): 3s
Land capability (nonirrigated): 4s

Typical profile

0 to 11 inches: Loam
11 to 29 inches: Clay loam
29 to 38 inches: Clay loam
38 to 42 inches: Weathered bedrock

Minor Components

Redding

Percent of map unit: 5 percent

Pentz

Percent of map unit: 5 percent

Corning

Percent of map unit: 5 percent

HuB—Hopeton loam, 3 to 8 percent slopes

Map Unit Setting

Elevation: 100 feet
Mean annual precipitation: 18 inches
Mean annual air temperature: 63 degrees F
Frost-free period: 200 to 300 days

Map Unit Composition

Hopeton and similar soils: 85 percent
Minor components: 15 percent

Description of Hopeton

Setting

Down-slope shape: Convex
Across-slope shape: Concave
Parent material: Residuum weathered from sandstone

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: 20 to 40 inches to paralithic bedrock
Drainage class: Moderately well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water capacity: Low (about 4.7 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability (nonirrigated): 4e

Typical profile

0 to 11 inches: Loam
11 to 29 inches: Clay loam
29 to 38 inches: Clay loam
38 to 42 inches: Weathered bedrock

Minor Components

Redding

Percent of map unit: 5 percent

Pentz

Percent of map unit: 5 percent

Corning

Percent of map unit: 5 percent

MdA—Madera sandy loam, 0 to 2 percent slopes

Map Unit Setting

Elevation: 20 to 250 feet
Mean annual precipitation: 14 inches
Mean annual air temperature: 61 degrees F
Frost-free period: 250 days

Map Unit Composition

Madera and similar soils: 85 percent
Minor components: 15 percent

Description of Madera

Setting

Landform: Fan remnants
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from granite

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: 20 to 40 inches to duripan
Drainage class: Moderately well drained
Capacity of the most limiting layer to transmit water (Ksat): Very low (0.00 to 0.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Very low (about 2.9 inches)

Interpretive groups

Land capability classification (irrigated): 4s
Land capability (nonirrigated): 4s

Typical profile

0 to 9 inches: Sandy loam
9 to 19 inches: Sandy loam
19 to 30 inches: Clay
30 to 36 inches: Indurated
36 to 60 inches: Stratified coarse sandy loam to clay loam

Minor Components

Alamo

Percent of map unit: 10 percent
Landform: Depressions

Unnammed

Percent of map unit: 5 percent
Landform: Depressions

MkA—Meikle clay, 0 to 1 percent slopes

Map Unit Setting

Elevation: 100 to 250 feet
Mean annual precipitation: 14 inches
Mean annual air temperature: 64 degrees F
Frost-free period: 280 days

Map Unit Composition

Meikle and similar soils: 85 percent
Minor components: 15 percent

Description of Meikle

Setting

Landform: Basin floors
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from granite

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Somewhat poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: About 0 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water capacity: Moderate (about 8.8 inches)

Interpretive groups

Land capability classification (irrigated): 3w
Land capability (nonirrigated): 4w

Typical profile

0 to 4 inches: Sandy clay loam
4 to 24 inches: Clay
24 to 36 inches: Sandy clay loam
36 to 60 inches: Sandy loam

Minor Components

Greenfield

Percent of map unit: 5 percent

Hanford

Percent of map unit: 5 percent

Dinuba

Percent of map unit: 5 percent

MtA—Montpellier coarse sandy loam, 0 to 3 percent slopes

Map Unit Setting

Elevation: 150 to 500 feet
Mean annual precipitation: 10 to 20 inches
Mean annual air temperature: 61 to 63 degrees F
Frost-free period: 250 to 300 days

Map Unit Composition

Montpellier and similar soils: 85 percent
Minor components: 15 percent

Description of Montpellier

Setting

Landform: Fan remnants
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from granite

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Moderate (about 6.7 inches)

Interpretive groups

Land capability classification (irrigated): 3s
Land capability (nonirrigated): 4s

Typical profile

0 to 18 inches: Coarse sandy loam
18 to 39 inches: Sandy clay loam
39 to 45 inches: Coarse sandy loam
45 to 60 inches: Sandy loam

Minor Components

Whitney

Percent of map unit: 10 percent

Rocklin

Percent of map unit: 5 percent

MtB—Montpellier coarse sandy loam, 3 to 8 percent slopes

Map Unit Setting

Elevation: 150 to 500 feet
Mean annual precipitation: 10 to 20 inches
Mean annual air temperature: 61 to 63 degrees F
Frost-free period: 250 to 300 days

Map Unit Composition

Montpellier and similar soils: 85 percent
Minor components: 15 percent

Description of Montpellier

Setting

Landform: Fan remnants
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from granite

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Moderate (about 6.7 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability (nonirrigated): 4e

Typical profile

0 to 18 inches: Coarse sandy loam
18 to 39 inches: Sandy clay loam
39 to 45 inches: Coarse sandy loam
45 to 60 inches: Sandy loam

Minor Components

Whitney

Percent of map unit: 10 percent

Rocklin

Percent of map unit: 5 percent

MtC—Montpellier coarse sandy loam, 8 to 15 percent slopes

Map Unit Setting

Elevation: 150 to 500 feet
Mean annual precipitation: 10 to 20 inches
Mean annual air temperature: 61 to 63 degrees F
Frost-free period: 250 to 300 days

Map Unit Composition

Montpellier and similar soils: 85 percent
Minor components: 15 percent

Description of Montpellier

Setting

Landform: Fan remnants
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from granite

Properties and qualities

Slope: 8 to 15 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Moderate (about 6.7 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability (nonirrigated): 4e

Typical profile

0 to 18 inches: Coarse sandy loam
18 to 39 inches: Sandy clay loam
39 to 45 inches: Coarse sandy loam
45 to 60 inches: Sandy loam

Minor Components

Whitney

Percent of map unit: 10 percent

Rocklin

Percent of map unit: 5 percent

PaA—Paulsell clay, 0 to 1 percent slopes

Map Unit Setting

Elevation: 2,000 feet
Mean annual precipitation: 35 inches
Mean annual air temperature: 57 to 63 degrees F
Frost-free period: 200 to 360 days

Map Unit Composition

Paulsell and similar soils: 85 percent
Minor components: 15 percent

Description of Paulsell

Setting

Landform: Mud flats
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Lacustrine deposits derived from igneous rock

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Somewhat poorly drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 0 inches
Frequency of flooding: Rare
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.0 to 4.0 mmhos/cm)
Available water capacity: High (about 9.3 inches)

Interpretive groups

Land capability classification (irrigated): 3w
Land capability (nonirrigated): 4w

Typical profile

0 to 24 inches: Clay
24 to 36 inches: Clay
36 to 60 inches: Stratified sandy loam to clay loam

Minor Components

Yokohl

Percent of map unit: 10 percent

Ryer

Percent of map unit: 5 percent

PmB—Pentz loam, moderately deep, 3 to 8 percent slopes

Map Unit Setting

Elevation: 100 to 600 feet
Mean annual precipitation: 18 inches
Mean annual air temperature: 61 degrees F
Frost-free period: 250 to 300 days

Map Unit Composition

Pentz and similar soils: 85 percent
Minor components: 15 percent

Description of Pentz

Setting

Landform: Hillslopes

Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Tuffaceous loamy residuum weathered from volcanic sandstone

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: 20 to 30 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Low (about 3.4 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability (nonirrigated): 4e

Typical profile

0 to 24 inches: Loam
24 to 28 inches: Weathered bedrock

Minor Components

Raynor

Percent of map unit: 5 percent

Peters

Percent of map unit: 5 percent

Keyes

Percent of map unit: 5 percent

PmC—Pentz loam, moderately deep, 8 to 15 percent slopes

Map Unit Setting

Elevation: 100 to 600 feet
Mean annual precipitation: 18 inches
Mean annual air temperature: 61 degrees F
Frost-free period: 250 to 300 days

Map Unit Composition

Pentz and similar soils: 85 percent
Minor components: 15 percent

Description of Pentz

Setting

Landform: Hillslopes
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex

Parent material: Tuffaceous loamy residuum weathered from volcanic sandstone

Properties and qualities

Slope: 8 to 15 percent
Depth to restrictive feature: 20 to 30 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Low (about 3.4 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability (nonirrigated): 4e

Typical profile

0 to 24 inches: Loam
24 to 28 inches: Weathered bedrock

Minor Components

Raynor

Percent of map unit: 5 percent

Peters

Percent of map unit: 5 percent

Keyes

Percent of map unit: 5 percent

RdB—Redding gravelly loam, 0 to 8 percent slopes

Map Unit Setting

Elevation: 100 to 1,500 feet
Mean annual precipitation: 14 to 25 inches
Mean annual air temperature: 61 to 63 degrees F
Frost-free period: 230 to 320 days

Map Unit Composition

Redding and similar soils: 85 percent
Minor components: 15 percent

Description of Redding

Setting

Landform: Fan remnants
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Stratified gravelly alluvium derived from igneous, metamorphic and sedimentary rock

Properties and qualities

Slope: 0 to 8 percent
Depth to restrictive feature: 20 to 40 inches to duripan
Drainage class: Moderately well drained
Capacity of the most limiting layer to transmit water (Ksat): Very low (0.00 to 0.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Very low (about 1.7 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability (nonirrigated): 4e

Typical profile

0 to 12 inches: Gravelly loam
12 to 18 inches: Gravelly clay loam
18 to 22 inches: Indurated

Minor Components

Unnamed

Percent of map unit: 10 percent
Landform: Depressions

Corning

Percent of map unit: 5 percent

RtA—Ryer clay, 0 to 1 percent slopes

Map Unit Setting

Elevation: 40 to 500 feet
Mean annual precipitation: 10 to 25 inches
Mean annual air temperature: 63 degrees F
Frost-free period: 255 days

Map Unit Composition

Ryer and similar soils: 85 percent
Minor components: 15 percent

Description of Ryer

Setting

Landform: Fan remnants
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Riser
Down-slope shape: Linear
Across-slope shape: Concave
Parent material: Basic alluvium derived from igneous rock

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches

Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Moderate (about 9.0 inches)

Interpretive groups

Land capability classification (irrigated): 3s
Land capability (nonirrigated): 4s

Typical profile

0 to 8 inches: Clay
8 to 48 inches: Silty clay loam
48 to 60 inches: Silt loam

Minor Components

Yokohl

Percent of map unit: 5 percent

Wyman

Percent of map unit: 5 percent

Honcut

Percent of map unit: 5 percent

RyA—Ryer loam, 0 to 1 percent slopes

Map Unit Setting

Elevation: 40 to 500 feet
Mean annual precipitation: 10 to 25 inches
Mean annual air temperature: 63 degrees F
Frost-free period: 255 days

Map Unit Composition

Ryer and similar soils: 85 percent
Minor components: 15 percent

Description of Ryer

Setting

Landform: Fan remnants
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Riser
Down-slope shape: Linear
Across-slope shape: Concave
Parent material: Basic alluvium derived from igneous rock

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: High (about 9.1 inches)

Interpretive groups

Land capability classification (irrigated): 2s
Land capability (nonirrigated): 4s

Typical profile

0 to 8 inches: Loam
8 to 48 inches: Silty clay loam
48 to 60 inches: Silt loam

Minor Components

Yokohl

Percent of map unit: 5 percent

Wyman

Percent of map unit: 5 percent

Honcut

Percent of map unit: 5 percent

Tx—Terrace escarpments

Map Unit Composition

Terrace escarpments: 100 percent

Description of Terrace Escarpments

Setting

Landform: Terraces
Parent material: Alluvium

Properties and qualities

Slope: 30 to 50 percent
Depth to restrictive feature: 0 to 60 inches to paralithic bedrock
Drainage class: Excessively drained
Available water capacity: Very low (about 0.0 inches)

Interpretive groups

Land capability (nonirrigated): 8

Typical profile

0 to 60 inches: Variable

W—Water

Map Unit Composition

Water: 100 percent

WmB—Whitney sandy loams, 3 to 8 percent slopes

Map Unit Setting

Elevation: 200 to 500 feet
Mean annual precipitation: 15 inches
Mean annual air temperature: 61 degrees F
Frost-free period: 250 to 300 days

Map Unit Composition

Whitney and similar soils: 85 percent
Minor components: 15 percent

Description of Whitney

Setting

Landform: Fan remnants
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Concave
Parent material: Alluvium derived from granite

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: 20 to 40 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Low (about 3.9 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability (nonirrigated): 4e

Typical profile

0 to 7 inches: Sandy loam
7 to 31 inches: Sandy loam
31 to 35 inches: Weathered bedrock

Minor Components

Rocklin

Percent of map unit: 10 percent

Montpellier

Percent of map unit: 5 percent

WmC—Whitney sandy loams, 8 to 15 percent slopes

Map Unit Setting

Elevation: 200 to 500 feet
Mean annual precipitation: 15 inches
Mean annual air temperature: 61 degrees F
Frost-free period: 250 to 300 days

Map Unit Composition

Whitney and similar soils: 85 percent
Minor components: 15 percent

Description of Whitney

Setting

Landform: Fan remnants
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Concave
Parent material: Alluvium derived from granite

Properties and qualities

Slope: 8 to 15 percent
Depth to restrictive feature: 20 to 40 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Low (about 3.9 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability (nonirrigated): 4e

Typical profile

0 to 7 inches: Sandy loam
7 to 31 inches: Sandy loam
31 to 35 inches: Weathered bedrock

Minor Components

Rocklin

Percent of map unit: 10 percent

Montpellier

Percent of map unit: 5 percent

WrB—Whitney and Rocklin sandy loams, 3 to 8 percent slopes

Map Unit Setting

Elevation: 200 to 1,500 feet
Mean annual precipitation: 15 inches
Mean annual air temperature: 61 degrees F
Frost-free period: 250 to 300 days

Map Unit Composition

Whitney and similar soils: 55 percent
Rocklin and similar soils: 30 percent
Minor components: 15 percent

Description of Whitney

Setting

Landform: Fan remnants
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Concave
Parent material: Alluvium derived from granite

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: 20 to 40 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Low (about 3.9 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability (nonirrigated): 4e

Typical profile

0 to 7 inches: Sandy loam
7 to 31 inches: Sandy loam
31 to 35 inches: Weathered bedrock

Description of Rocklin

Setting

Landform: Fan remnants
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Concave
Parent material: Alluvium derived from granite

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 20 to 40 inches to duripan
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Very low (0.00 to 0.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Low (about 3.7 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability (nonirrigated): 4e

Typical profile

0 to 9 inches: Sandy loam
9 to 17 inches: Sandy loam
17 to 28 inches: Sandy clay loam
28 to 34 inches: Indurated
34 to 60 inches: Stratified coarse sandy loam to fine sandy loam

Minor Components

Montpellier

Percent of map unit: 10 percent

Unnamed

Percent of map unit: 5 percent

WvA—Wyman loam, 0 to 1 percent slopes

Map Unit Setting

Elevation: 300 to 2,500 feet
Mean annual precipitation: 9 to 25 inches
Mean annual air temperature: 59 to 63 degrees F
Frost-free period: 200 to 300 days

Map Unit Composition

Wyman and similar soils: 85 percent
Minor components: 15 percent

Description of Wyman

Setting

Landform: Terraces
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from volcanic rock

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: High (about 9.3 inches)

Interpretive groups

Land capability classification (irrigated): 1
Land capability (nonirrigated): 4c

Typical profile

0 to 6 inches: Loam
6 to 40 inches: Sandy clay loam
40 to 60 inches: Sandy loam

Minor Components

Yokohl

Percent of map unit: 5 percent

Ryer

Percent of map unit: 5 percent

Honcut

Percent of map unit: 5 percent

Data Source Information

Soil Survey Area: Eastern Stanislaus Area, California
Survey Area Data: Version 6, Jul 22, 2009

Parcel Information Report --- Custom Option

APN: 015-081-048

OWNERS NAME: V A RODDEN INC

SITE or STREET ADDRESS: 4000 ELLENWOOD RD
OAKDALE, CA 95361

MAILING ADDRESS: 4000 ELLENWOOD RD
OAKDALE, CA 95361

COMMUNITY SERVICE DISTRICT: Not Within

ELEMENTARY SCHOOL DISTRICT: OAKDALE UNION ELEMENTARY

FEMA 2008 ZONE: FLOOD ZONE X - OUTSIDE THE 0.2% FLOODPLAIN

FEMA 2008 FIRM PANEL: 06099C0360E

FIRE DISTRICT: OAKDALE RURAL FIRE

FIRE HAZARD SEVERITY ZONE: LRA

GENERAL PLAN DESIGNATION (County): AG

HIGH SCHOOL DISTRICT: OAKDALE JOINT UNIFIED

HOSPITAL DISTRICT: OAK VALLEY

JURISDICTION: COUNTY

MOSQUITO ABATEMENT DISTRICT: EASTSIDE MOSQUITO

MUNICIPAL ADVISORY COUNCIL: NOT WITHIN

REDEVELOPMENT SUB-AREAS: NOT WITHIN

SPHERE OF INFLUENCE: NONE

STORM DRAINAGE DISTRICT: NOT WITHIN

SUPERVISORIAL DISTRICT: DISTRICT 1

SUPERVISOR: WILLIAM O'BRIEN

WATERLINE IMPROVEMENT AREA: NOT WITHIN

WILLIAMSON ACT: 71-0013 Year:1971

ZONING DESIGNATION (County): A-2-40

** Ownership and mailing address information subject to verification until further notice.*
Rex 4.0 - Stanislaus County Public Works Department

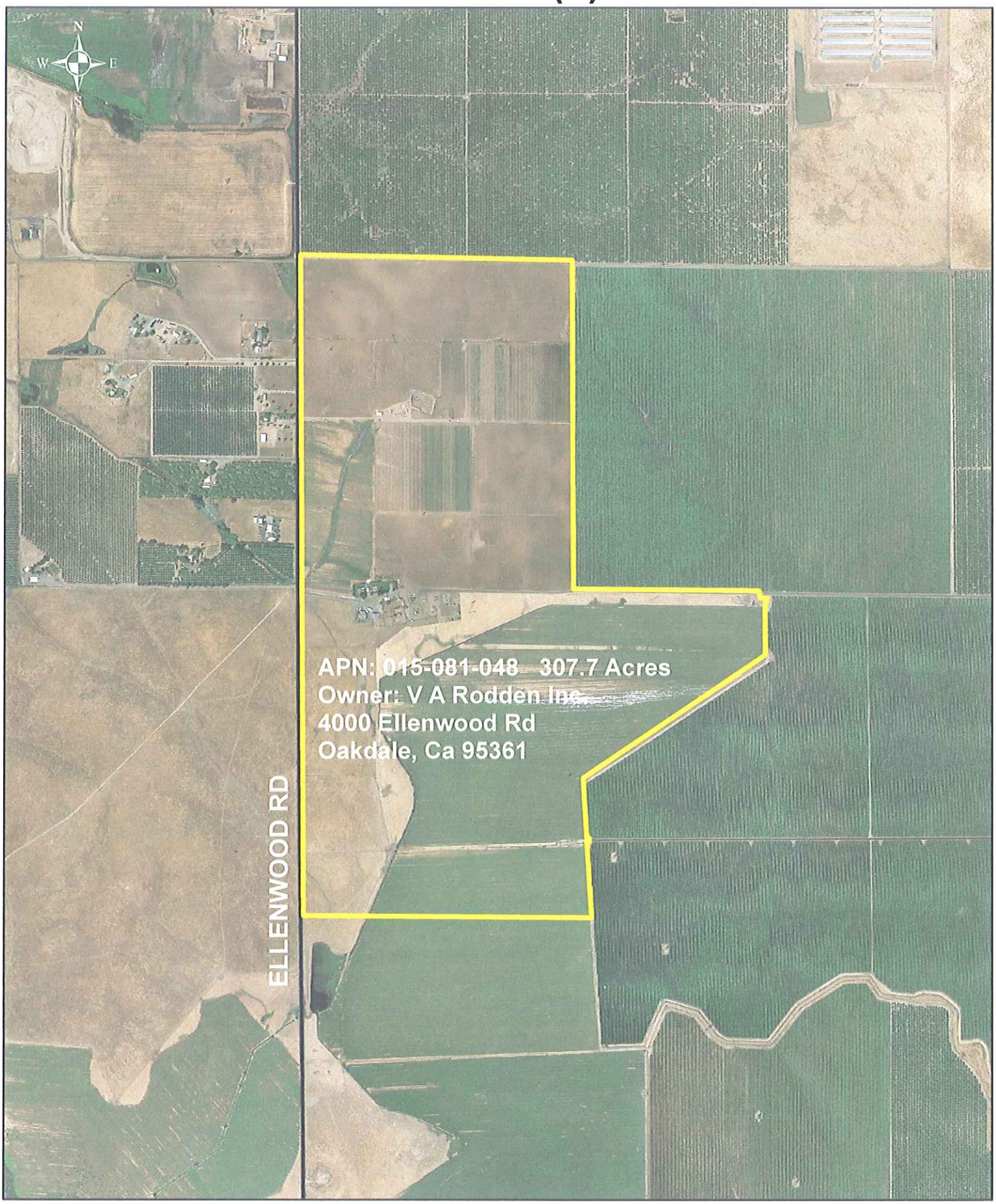
Google maps

Directions to 4000 Ellenwood Rd, Oakdale, CA 95361

7.9 mi – about 19 mins

Proposed Delivery Route from ConAgra site to Parcel 1(b)

Parcel 1(b)

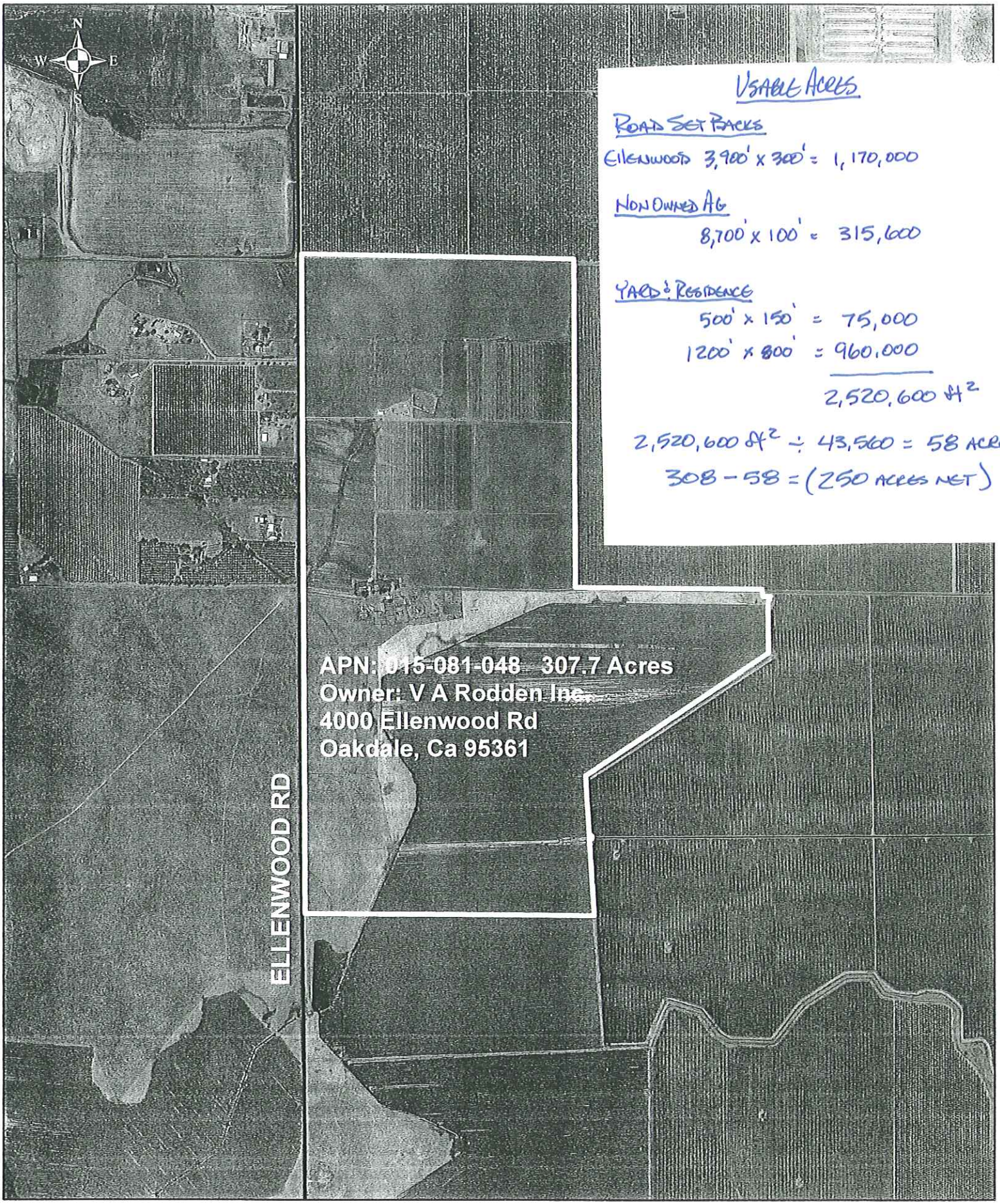


Mike Wilson
Stanislaus County Public Works

0 650 1,300 2,600 Feet

December 2009

Parcel 1(b)



USABLE ACRES

ROAD SET BACKS

ELLENWOOD 3,900' x 300' = 1,170,000

NON OWNED AG

8,700' x 100' = 315,600

YARD & RESIDENCE

500' x 150' = 75,000

1200' x 800' = 960,000

2,520,600 ft²

2,520,600 ft² ÷ 43,560 = 58 ACRES

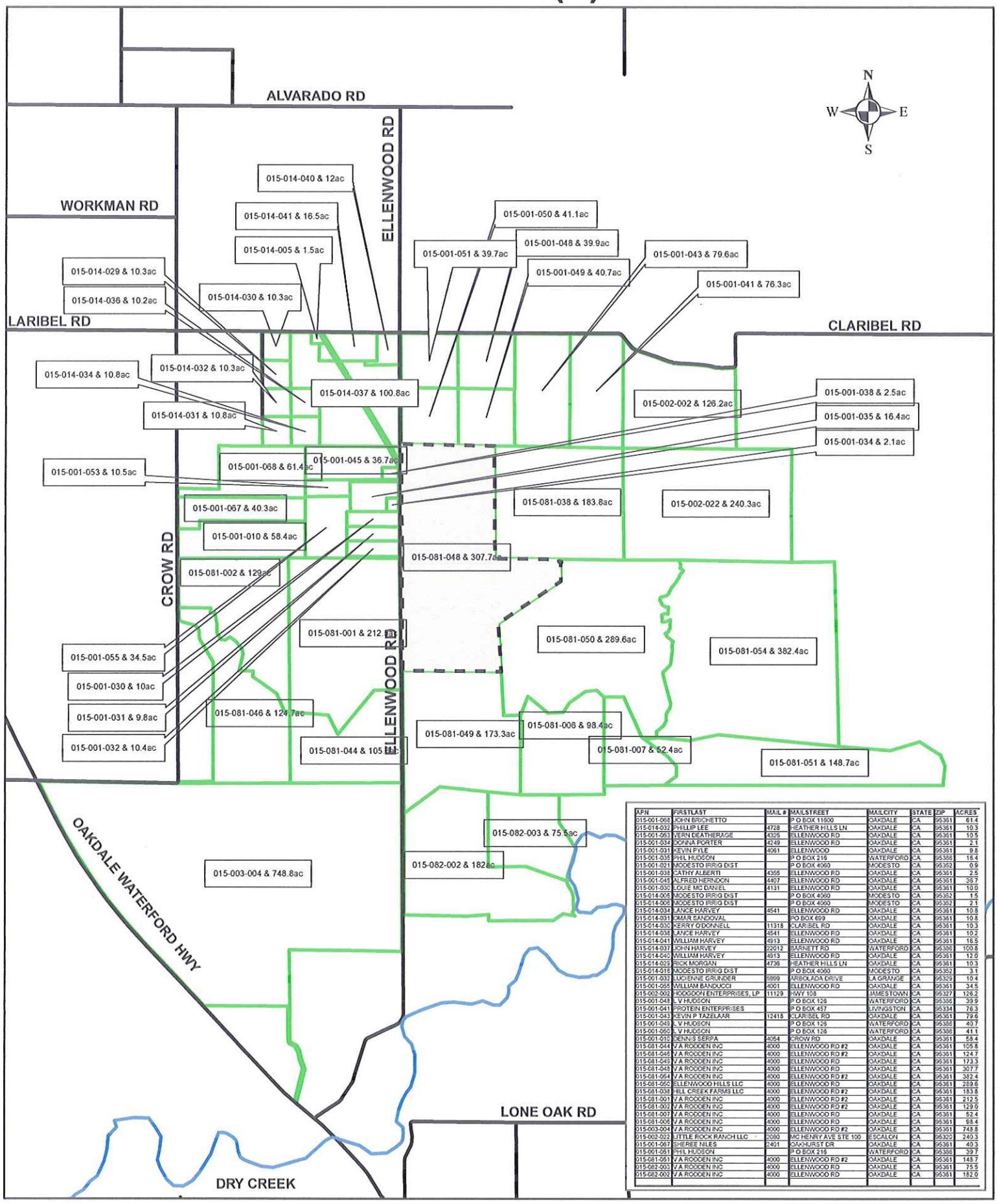
308 − 58 = (250 ACRES NET)

Mike Wilson
Stanislaus County Public Works

0 650 1,300 2,600 Feet

December 2009

Parcel 1(b)



APN	FIRSTLAST	MAIL #	MAILSTREET	MAILCITY	STATE	ZIP	ACRES
015-001-068	JOHN BRUCHETTO		P O BOX 11500	OAKDALE	CA	95361	61.4
015-014-032	PHILLIP LEE	4728	HEATHER HILLS LN	OAKDALE	CA	95361	10.3
015-001-053	VERN DEATHERAGE	4325	ELLENWOOD RD	OAKDALE	CA	95361	10.5
015-001-034	DONNA PORTER	4249	ELLENWOOD RD	OAKDALE	CA	95361	2.1
015-001-031	KEVIN PYLE	4061	ELLENWOOD	OAKDALE	CA	95361	9.8
015-001-035	PHIL HUDSON		P O BOX 216	WATERFORD	CA	95386	16.4
015-001-021	MODESTO IRRIG DIST		P O BOX 4060	MODESTO	CA	95352	0.9
015-001-038	CATHY ALBERTI	4355	ELLENWOOD RD	OAKDALE	CA	95361	2.5
015-001-045	ALFRED HERNDON	4407	ELLENWOOD RD	OAKDALE	CA	95361	36.7
015-001-030	LOUIE MC DANIEL	4131	ELLENWOOD RD	OAKDALE	CA	95361	10.0
015-014-005	MODESTO IRRIG DIST		P O BOX 4060	MODESTO	CA	95352	1.5
015-014-006	MODESTO IRRIG DIST		P O BOX 4060	MODESTO	CA	95352	2.1
015-014-034	LANCE HARVEY	4541	ELLENWOOD RD	OAKDALE	CA	95361	10.8
015-014-031	OMAR SANDOVAL		PO BOX 659	OAKDALE	CA	95361	10.8
015-014-030	KERRY O'DONNELL	11318	CLARIBEL RD	OAKDALE	CA	95361	10.3
015-014-038	LANCE HARVEY	4541	ELLENWOOD RD	OAKDALE	CA	95361	10.2
015-014-041	WILLIAM HARVEY	4913	ELLENWOOD RD	OAKDALE	CA	95361	16.5
015-014-037	JOHN HARVEY	22012	BARNETT RD	WATERFORD	CA	95386	100.8
015-014-040	WILLIAM HARVEY	4913	ELLENWOOD RD	OAKDALE	CA	95361	12.0
015-014-029	RICK MORGAN	4736	HEATHER HILLS LN	OAKDALE	CA	95361	10.3
015-014-015	MODESTO IRRIG DIST		P O BOX 4060	MODESTO	CA	95352	3.1
015-001-032	LUCIENNE GRUNDER	5909	ARBOLADA DRIVE	LA GRANGE	CA	95329	10.4
015-001-055	WILLIAM BANDUCCI	4001	ELLENWOOD RD	OAKDALE	CA	95361	34.5
015-002-002	HODGDON ENTERPRISES, LP	11129	HWY 108	JAMESTOWN	CA	95327	126.2
015-001-048	L V HUDSON		P O BOX 126	WATERFORD	CA	95386	39.9
015-001-041	PROTEIN ENTERPRISES		P O BOX 457	LIVINGSTON	CA	95334	76.3
015-001-043	KEVIN P TAZELAAR	12418	CLARIBEL RD	OAKDALE	CA	95361	79.6
015-001-049	L V HUDSON		P O BOX 126	WATERFORD	CA	95386	40.7
015-001-050	L V HUDSON		P O BOX 126	WATERFORD	CA	95386	41.1
015-001-010	DENNIS SERPA	4054	CROW RD	OAKDALE	CA	95361	58.4
015-081-044	V A RODDEN INC	4000	ELLENWOOD RD #2	OAKDALE	CA	95361	105.8
015-081-046	V A RODDEN INC	4000	ELLENWOOD RD #2	OAKDALE	CA	95361	124.7
015-081-049	V A RODDEN INC	4000	ELLENWOOD RD	OAKDALE	CA	95361	173.3
015-081-048	V A RODDEN INC	4000	ELLENWOOD RD	OAKDALE	CA	95361	307.7
015-081-054	V A RODDEN INC	4000	ELLENWOOD RD #2	OAKDALE	CA	95361	382.4
015-081-050	ELLENWOOD HILLS LLC	4000	ELLENWOOD RD	OAKDALE	CA	95361	289.6
015-081-038	HILL CREEK FARMS LLC	4000	ELLENWOOD RD #2	OAKDALE	CA	95361	183.8
015-081-001	V A RODDEN INC	4000	ELLENWOOD RD #2	OAKDALE	CA	95361	212.5
015-081-002	V A RODDEN INC	4000	ELLENWOOD RD #2	OAKDALE	CA	95361	129.0
015-081-007	V A RODDEN INC	4000	ELLENWOOD RD	OAKDALE	CA	95361	52.4
015-081-006	V A RODDEN INC	4000	ELLENWOOD RD	OAKDALE	CA	95361	98.4
015-003-004	V A RODDEN INC	4000	ELLENWOOD RD #2	OAKDALE	CA	95361	748.8
015-002-022	LITTLE ROCK RANCH LLC	2080	MC HENRY AVE STE 100	ESCALON	CA	95320	240.3
015-001-067	SHEREE NILES	2401	OAKHURST DR	OAKDALE	CA	95361	40.3
015-001-051	PHIL HUDSON		P O BOX 216	WATERFORD	CA	95386	39.7
015-081-051	V A RODDEN INC	4000	ELLENWOOD RD #2	OAKDALE	CA	95361	148.7
015-082-003	V A RODDEN INC	4000	ELLENWOOD RD	OAKDALE	CA	95361	75.5
015-082-002	V A RODDEN INC	4000	ELLENWOOD RD	OAKDALE	CA	95361	182.0

Mike Wilson
Stanislaus County Public Works

0 1,850 3,700 7,400 Feet

December 2009

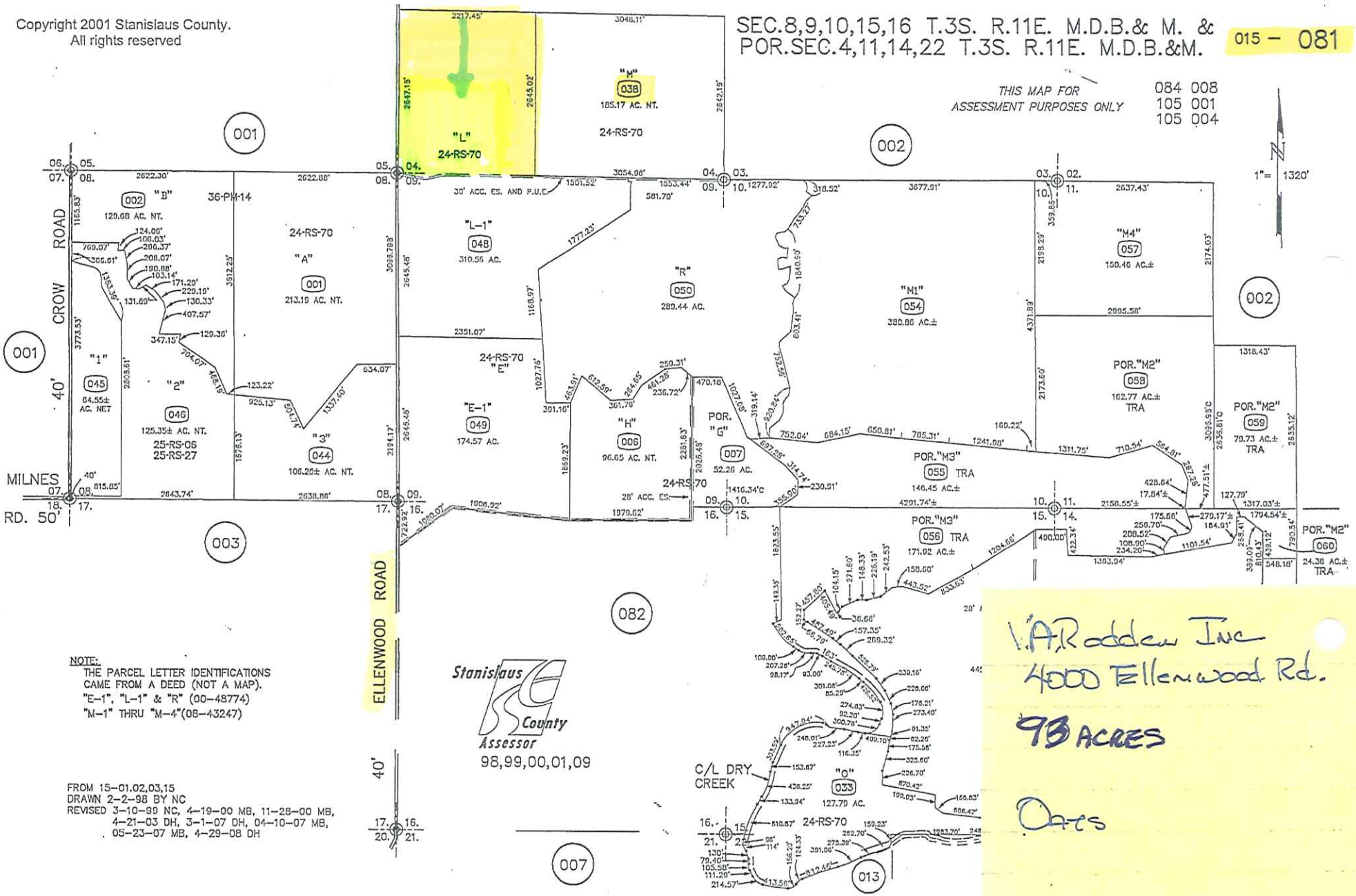
May 7, 09

SEC.8,9,10,15,16 T.3S. R.11E. M.D.B.& M. & POR.SEC.4,11,14,22 T.3S. R.11E. M.D.B.&M.

015 - 081

THIS MAP FOR ASSESSMENT PURPOSES ONLY

084 008
105 001
105 004



NOTE:
THE PARCEL LETTER IDENTIFICATIONS CAME FROM A DEED (NOT A MAP).
"E-1", "L-1" & "R" (00-48774)
"M-1" THRU "M-4"(08-43247)

FROM 15-01.02,03,15
DRAWN 2-2-98 BY NC
REVISED 3-10-99 NC, 4-19-00 MB, 11-28-00 MB, 4-21-03 DH, 3-1-07 DH, 04-10-07 MB, 05-23-07 MB, 4-29-08 DH

Stanislaus County Assessor
98,99,00,01,09

V.A. Rodden Inc
4000 Ellenwood Rd.

98 ACRES

Oats

Slope of Fall

No existing waterways, drainage courses, pipelines, existing irrigation and drainage facilities, septic tanks and drainage (leach) fields or sewage lines

Soil Map—Eastern Stanislaus Area, California

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Units

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other

Special Line Features
- Gully
- Short Steep Slope
- Other

Political Features
- Cities

Water Features
- Oceans
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

MAP INFORMATION

Map Scale: 1:5,530 if printed on A size (8.5" × 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov
Coordinate System: UTM Zone 10N NAD83

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

Soil Survey Area: Eastern Stanislaus Area, California
Survey Area Data: Version 6, Jul 22, 2009

Date(s) aerial images were photographed: 6/12/2005

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.

Map Unit Legend

Eastern Stanislaus Area, California (CA644)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
GsA	Greenfield sandy loam, 0 to 3 percent slopes	74.9	54.3%
KeB	Keyes cobbly clay loam, 0 to 8 percent slopes	0.6	0.4%
MtA	Montpellier coarse sandy loam, 0 to 3 percent slopes	0.8	0.6%
MtC	Montpellier coarse sandy loam, 8 to 15 percent slopes	2.1	1.6%
PfB	Pentz loam, 3 to 8 percent slopes	0.1	0.1%
WmB	Whitney sandy loams, 3 to 8 percent slopes	35.4	25.7%
WmC	Whitney sandy loams, 8 to 15 percent slopes	3.5	2.6%
WrB	Whitney and Rocklin sandy loams, 3 to 8 percent slopes	20.5	14.9%
Totals for Area of Interest		**137.9**	**100.0%**

Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

The Map Unit Description (Brief, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description (Brief, Generated)

Eastern Stanislaus Area, California

Map Unit: GsA—Greenfield sandy loam, 0 to 3 percent slopes

Component: Greenfield (85%)

The Greenfield component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on alluvial fans. The parent material consists of alluvium derived from igneous, metamorphic and sedimentary rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4c. Irrigated land capability classification is 1 This soil does not meet hydric criteria.

Component: Hanford (10%)

Generated brief soil descriptions are created for major components. The Hanford soil is a minor component.

Component: Snelling (5%)

Generated brief soil descriptions are created for major components. The Snelling soil is a minor component.

Map Unit: KeB—Keyes cobbly clay loam, 0 to 8 percent slopes

Component: Keyes (85%)

The Keyes component makes up 85 percent of the map unit. Slopes are 0 to 8 percent. This component is on fan remnants. The parent material consists of tuffaceous gravelly alluvium derived from andesite. Depth to a root restrictive layer, duripan, is 10 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is very low. Shrink-swell potential is high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria.

Component: Pentz (5%)

Generated brief soil descriptions are created for major components. The Pentz soil is a minor component.

Component: Peters (5%)

Generated brief soil descriptions are created for major components. The Peters soil is a minor component.

Component: Unnamed (5%)

Generated brief soil descriptions are created for major components. The Unnamed soil is a minor component.

Map Unit: MtA—Montpellier coarse sandy loam, 0 to 3 percent slopes

Component: Montpellier (85%)

The Montpellier component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on fan remnants. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 0 percent. Nonirrigated land capability classification is 4s. Irrigated land capability classification is 3s. This soil does not meet hydric criteria.

Component: Whitney (10%)

Generated brief soil descriptions are created for major components. The Whitney soil is a minor component.

Component: Rocklin (5%)

Generated brief soil descriptions are created for major components. The Rocklin soil is a minor component.

Map Unit: MtC—Montpellier coarse sandy loam, 8 to 15 percent slopes

Component: Montpellier (85%)

The Montpellier component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on fan remnants. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 0 percent. Nonirrigated land capability classification is 4e. Irrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Whitney (10%)

Generated brief soil descriptions are created for major components. The Whitney soil is a minor component.

Component: Rocklin (5%)

Generated brief soil descriptions are created for major components. The Rocklin soil is a minor component.

Map Unit: PfB—Pentz loam, 3 to 8 percent slopes

Component: Pentz (85%)

The Pentz component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on hills. The parent material consists of tuffaceous loamy residuum weathered from volcanic sandstone. Depth to a root restrictive layer, bedrock, paralithic, is 8 to 14 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria.

Component: Keyes (5%)

Generated brief soil descriptions are created for major components. The Keyes soil is a minor component.

Component: Peters (5%)

Generated brief soil descriptions are created for major components. The Peters soil is a minor component.

Component: Raynor (5%)

Generated brief soil descriptions are created for major components. The Raynor soil is a minor component.

Map Unit: WmB—Whitney sandy loams, 3 to 8 percent slopes

Component: Whitney (85%)

The Whitney component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on fan remnants. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer, bedrock, paralithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4e. Irrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Rocklin (10%)

Generated brief soil descriptions are created for major components. The Rocklin soil is a minor component.

Component: Montpellier (5%)

Generated brief soil descriptions are created for major components. The Montpellier soil is a minor component.

Map Unit: WmC—Whitney sandy loams, 8 to 15 percent slopes

Component: Whitney (85%)

The Whitney component makes up 85 percent of the map unit. Slopes are 8 to 15 percent. This component is on fan remnants. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer, bedrock, paralithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4e. Irrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Rocklin (10%)

Generated brief soil descriptions are created for major components. The Rocklin soil is a minor component.

Component: Montpellier (5%)

Generated brief soil descriptions are created for major components. The Montpellier soil is a minor component.

Map Unit: WrB—Whitney and Rocklin sandy loams, 3 to 8 percent slopes

Component: Whitney (55%)

The Whitney component makes up 55 percent of the map unit. Slopes are 3 to 8 percent. This component is on fan remnants. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer, bedrock, paralithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4e. Irrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Rocklin (30%)

The Rocklin component makes up 30 percent of the map unit. Slopes are 0 to 3 percent. This component is on fan remnants. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer, duripan, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4e. Irrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Montpellier (10%)

Generated brief soil descriptions are created for major components. The Montpellier soil is a minor component.

Component: Unnamed (5%)

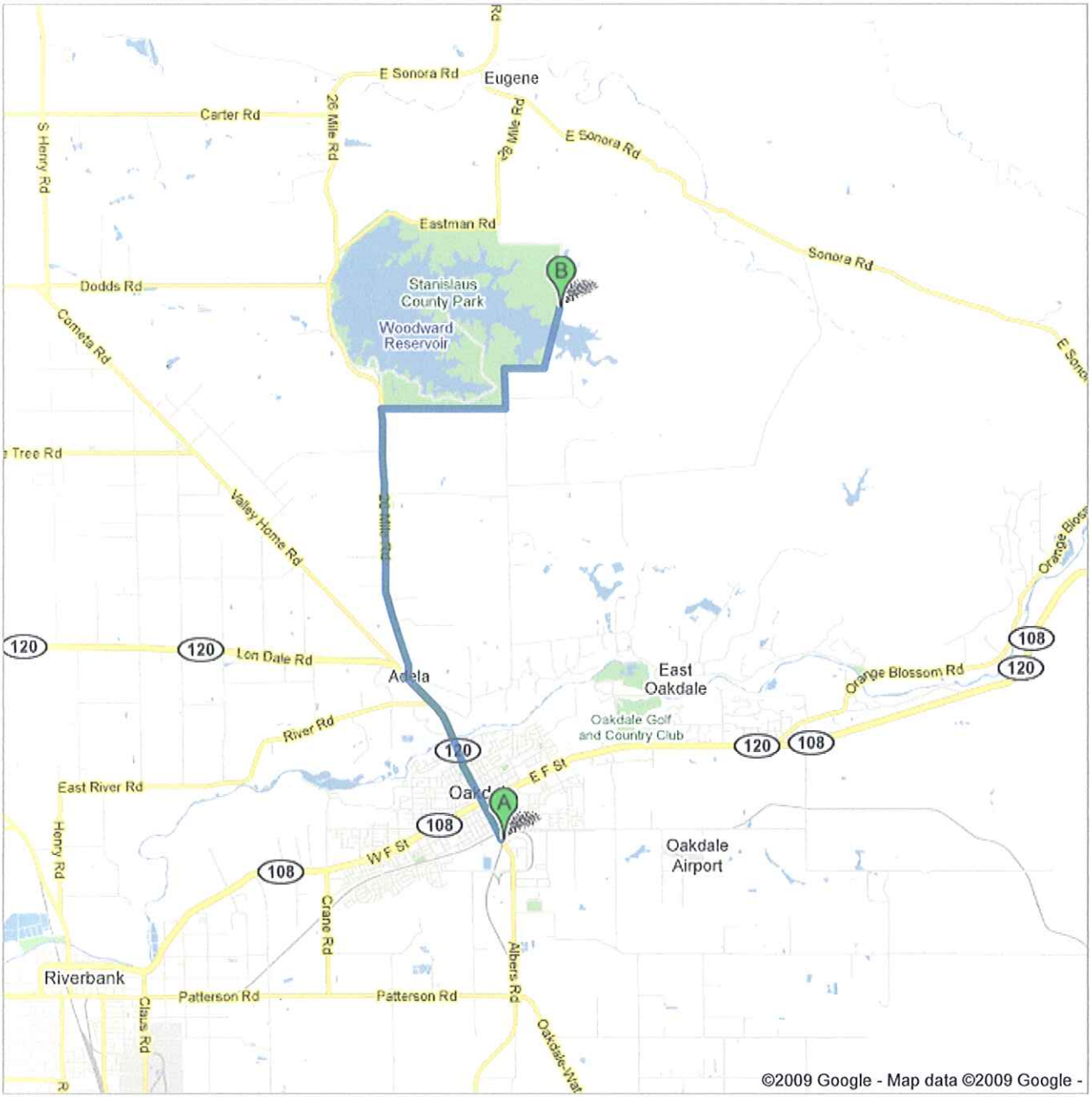
Generated brief soil descriptions are created for major components. The Unnamed soil is a minor component.

Data Source Information

Soil Survey Area: Eastern Stanislaus Area, California
Survey Area Data: Version 6, Jul 22, 2009

Google maps

Directions to 28 Mile Rd
8.8 (· about 18 mins



Parcel Information Report --- Custom Option

APN: 002-009-005

OWNERS NAME: LLOYD T PROTHERS

SITE or STREET ADDRESS: 28 MILE E OF RD
VALLEY HOME, CA

MAILING ADDRESS: 3401 SHAWNEE DR APT 47
MODESTO, CA 95350

COMMUNITY SERVICE DISTRICT: Not Within

ELEMENTARY SCHOOL DISTRICT: VALLEY HOME JOINT

FEMA 2008 ZONE: FLOOD ZONE X - OUTSIDE THE 0.2% FLOODPLAIN

FEMA 2008 FIRM PANEL: 06099C0180E

FIRE DISTRICT: OAKDALE RURAL FIRE

FIRE HAZARD SEVERITY ZONE: SRA

GENERAL PLAN DESIGNATION (County): AG

HIGH SCHOOL DISTRICT: OAKDALE JOINT UNIFIED

HOSPITAL DISTRICT: OAK VALLEY

JURISDICTION: COUNTY

MOSQUITO ABATEMENT DISTRICT: EASTSIDE MOSQUITO

MUNICIPAL ADVISORY COUNCIL: VALLEY HOME MAC

REDEVELOPMENT SUB-AREAS: NOT WITHIN

SPHERE OF INFLUENCE: NONE

STORM DRAINAGE DISTRICT: NOT WITHIN

SUPERVISORIAL DISTRICT: DISTRICT 1

SUPERVISOR: WILLIAM O'BRIEN

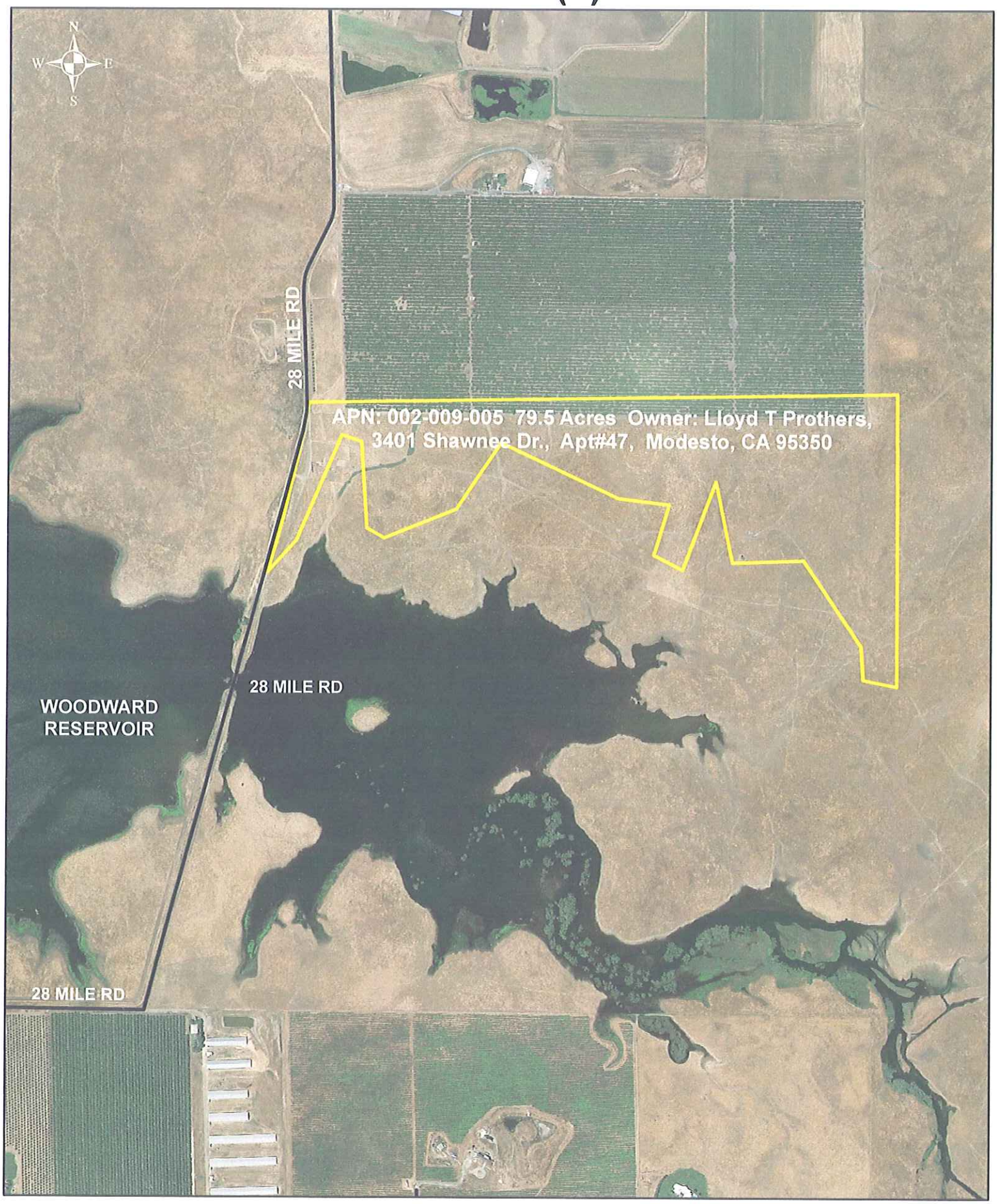
WATERLINE IMPROVEMENT AREA: NOT WITHIN

WILLIAMSON ACT: 71-0048 Year:1971

ZONING DESIGNATION (County): A-2-40

**** Ownership and mailing address information subject to verification until further notice.***
Rex 4.0 - Stanislaus County Public Works Department

Parcel 3(a)

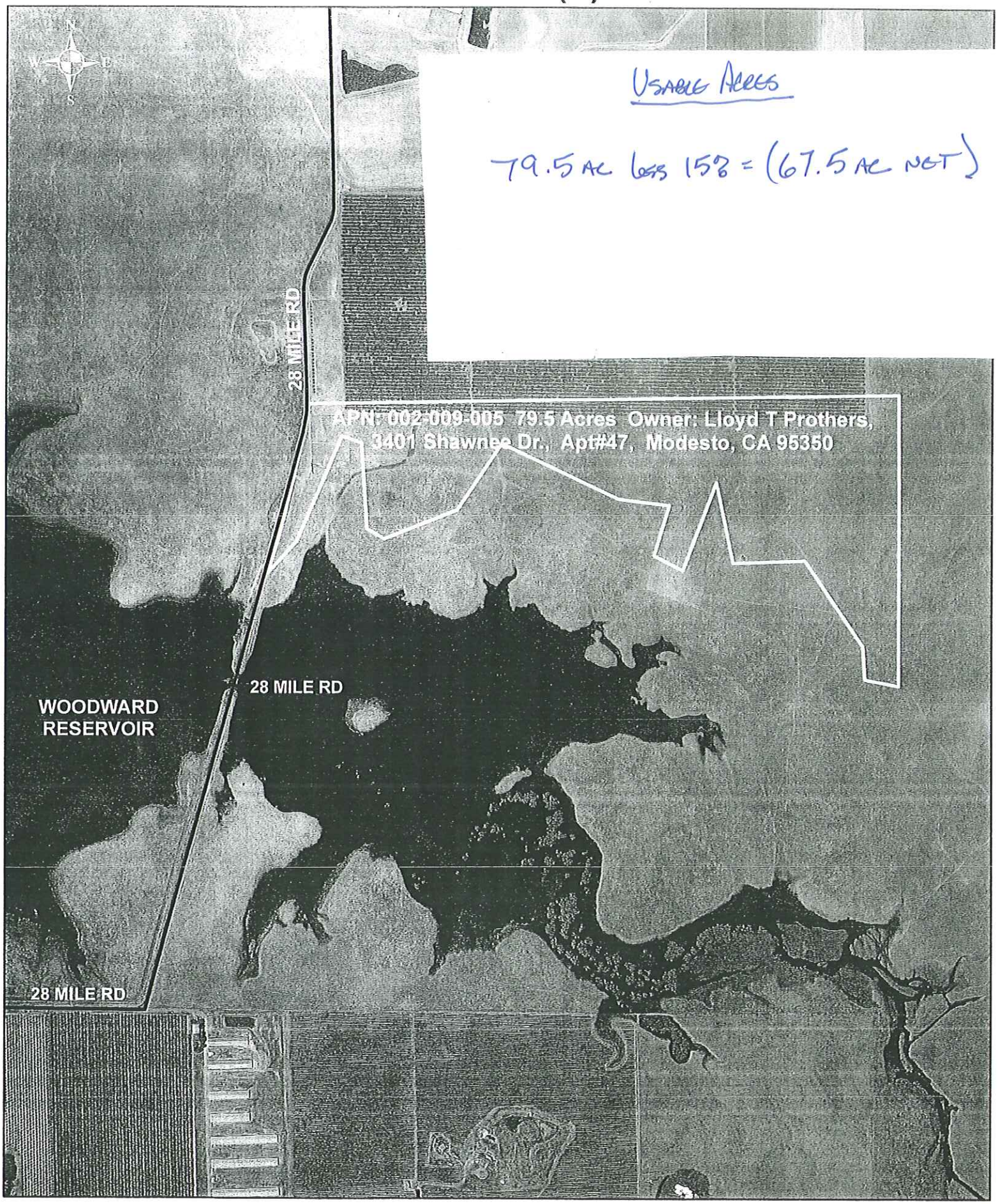


Mike Wilson
Stanislaus County Public Works

0 550 1,100 2,200 Feet

December 2009

Parcel 3(a)



Usable Acres

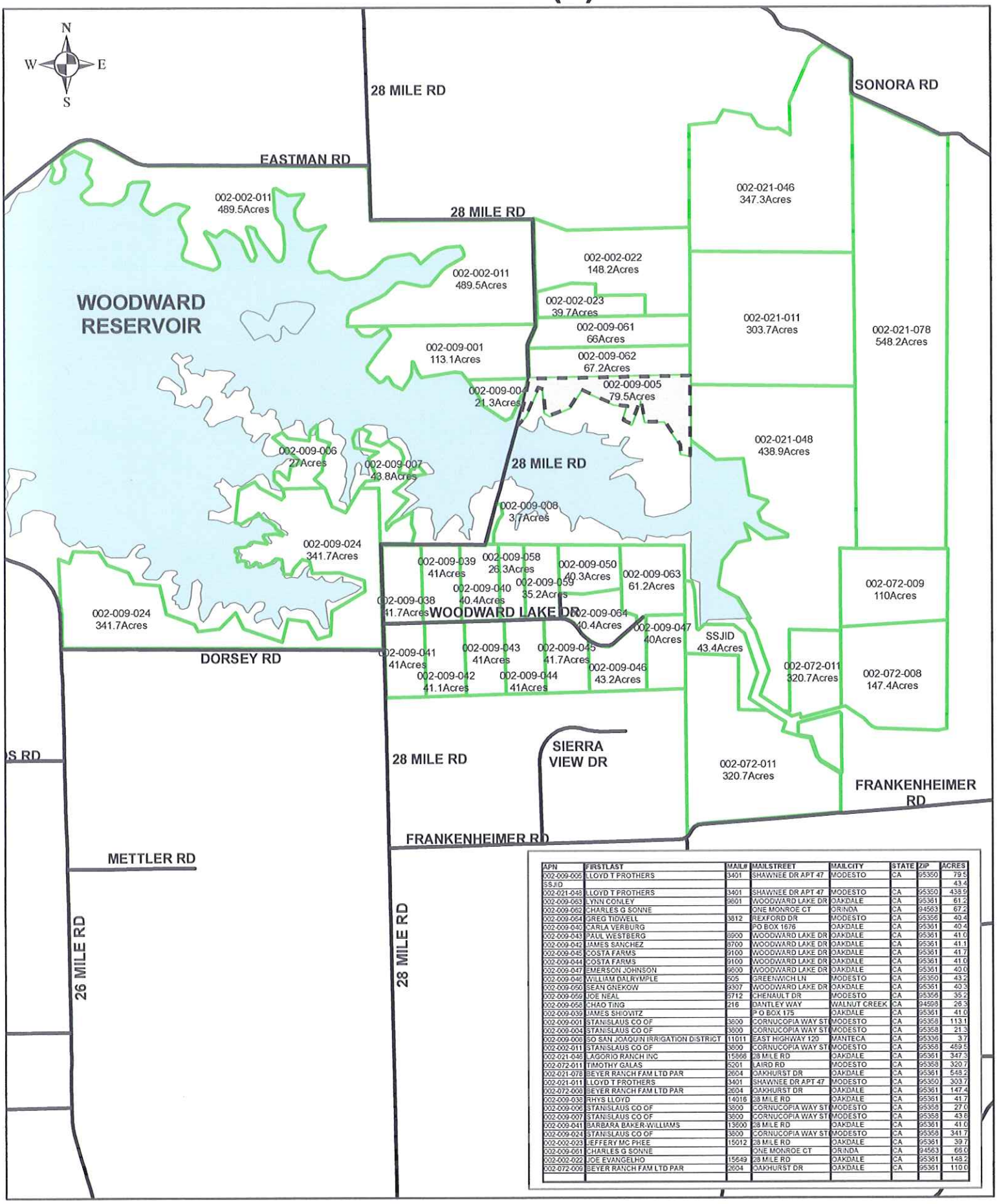
79.5 Ac less 15% = (67.5 Ac Net)

Mike Wilson
Stanislaus County Public Works

0 550 1,100 2,200 Feet

December 2009

Parcel 3(a)



APN	FIRSTLAST	MAIL#	MAILSTREET	MAILCITY	STATE	ZIP	ACRES
002-009-005	LLOYD T PROTHERS	3401	SHAWNEE DR APT 47	MODESTO	CA	95350	79.5
SSJID							43.4
002-021-048	LLOYD T PROTHERS	3401	SHAWNEE DR APT 47	MODESTO	CA	95350	438.9
002-009-063	LYNN CONLEY	9601	WOODWARD LAKE DR	OAKDALE	CA	95361	61.2
002-009-062	CHARLES G SONNE		ONE MONROE CT	ORINDA	CA	94563	67.2
002-009-064	GREG TIDWELL	3812	REXFORD DR	MODESTO	CA	95356	40.4
002-009-040	CARLA VERBURG		PO BOX 1676	OAKDALE	CA	95361	40.4
002-009-043	PAUL WESTBERG	8900	WOODWARD LAKE DR	OAKDALE	CA	95361	41.0
002-009-042	JAMES SANCHEZ	8700	WOODWARD LAKE DR	OAKDALE	CA	95361	41.1
002-009-045	COSTA FARMS	9100	WOODWARD LAKE DR	OAKDALE	CA	95361	41.7
002-009-044	COSTA FARMS	9100	WOODWARD LAKE DR	OAKDALE	CA	95361	41.0
002-009-047	EMERSON JOHNSON	9600	WOODWARD LAKE DR	OAKDALE	CA	95361	40.0
002-009-046	WILLIAM DALRYMPLE	505	GREENWICH LN	MODESTO	CA	95350	43.2
002-009-050	SEAN GNEKOW	8307	WOODWARD LAKE DR	OAKDALE	CA	95361	40.3
002-009-059	JOE NEAL	5712	CHENAULT DR	MODESTO	CA	95356	35.2
002-009-058	CHAO TING	216	DANTLEY WAY	WALNUT CREEK	CA	94599	26.3
002-009-039	JAMES SHOVITZ		P O BOX 175	OAKDALE	CA	95361	41.0
002-009-001	STANISLAUS CO OF	3800	CORNUCOPIA WAY ST	MODESTO	CA	95358	113.1
002-009-004	STANISLAUS CO OF	3800	CORNUCOPIA WAY ST	MODESTO	CA	95358	21.3
002-009-006	SO SAN JOAQUIN IRRIGATION DISTRICT	11011	EAST HIGHWAY 120	MANTECA	CA	95336	3.7
002-002-011	STANISLAUS CO OF	3800	CORNUCOPIA WAY ST	MODESTO	CA	95358	489.5
002-021-046	LAGORIO RANCH INC	15866	28 MILE RD	OAKDALE	CA	95361	347.3
002-072-011	TIMOTHY GALAS	5201	LAIRD RD	MODESTO	CA	95358	320.7
002-021-078	BEYER RANCH FAM LTD PAR	2604	OAKHURST DR	OAKDALE	CA	95361	548.2
002-021-011	LLOYD T PROTHERS	3401	SHAWNEE DR APT 47	MODESTO	CA	95350	303.7
002-072-008	BEYER RANCH FAM LTD PAR	2604	OAKHURST DR	OAKDALE	CA	95361	147.4
002-009-038	RHYS LLOYD	14016	28 MILE RD	OAKDALE	CA	95361	41.7
002-009-006	STANISLAUS CO OF	3800	CORNUCOPIA WAY ST	MODESTO	CA	95358	27.0
002-009-007	STANISLAUS CO OF	3800	CORNUCOPIA WAY ST	MODESTO	CA	95358	43.8
002-009-041	BARBARA BAKER-WILLIAMS	13600	28 MILE RD	OAKDALE	CA	95361	41.0
002-009-024	STANISLAUS CO OF	3800	CORNUCOPIA WAY ST	MODESTO	CA	95358	341.7
002-002-023	JEFFERY MC PHEE	15012	28 MILE RD	OAKDALE	CA	95361	39.7
002-009-061	CHARLES G SONNE		ONE MONROE CT	ORINDA	CA	94563	66.0
002-002-022	JOE EVANGELHO	15649	28 MILE RD	OAKDALE	CA	95361	148.2
002-072-009	BEYER RANCH FAM LTD PAR	2604	OAKHURST DR	OAKDALE	CA	95361	110.0

Mike Wilson
Stanislaus County Public Works

0 2,000 4,000 8,000 Feet

December 2009

Parcel Information Report --- Custom Option

APN: 002-021-011

OWNERS NAME: LLOYD T PROTHERS

SITE or STREET ADDRESS: SONORA S OF RD
OAKDALE, CA

MAILING ADDRESS: 3401 SHAWNEE DR APT 47
MODESTO, CA 95350

COMMUNITY SERVICE DISTRICT: Not Within

ELEMENTARY SCHOOL DISTRICT: VALLEY HOME JOINT

FEMA 2008 ZONE: FLOOD ZONE X - OUTSIDE THE 0.2% FLOODPLAIN

FEMA 2008 FIRM PANEL: 06099C0180E

FIRE DISTRICT: (OUTSIDE OF FIRE DISTRICT)

FIRE HAZARD SEVERITY ZONE: SRA

GENERAL PLAN DESIGNATION (County): AG

HIGH SCHOOL DISTRICT: OAKDALE JOINT UNIFIED

HOSPITAL DISTRICT: OAK VALLEY

JURISDICTION: COUNTY

MOSQUITO ABATEMENT DISTRICT: EASTSIDE MOSQUITO

MUNICIPAL ADVISORY COUNCIL: VALLEY HOME MAC

REDEVELOPMENT SUB-AREAS: NOT WITHIN

SPHERE OF INFLUENCE: NONE

STORM DRAINAGE DISTRICT: NOT WITHIN

SUPERVISORIAL DISTRICT: DISTRICT 1

SUPERVISOR: WILLIAM O'BRIEN

WATERLINE IMPROVEMENT AREA: NOT WITHIN

WILLIAMSON ACT: 71-0048 Year:1971

ZONING DESIGNATION (County): A-2-40

** Ownership and mailing address information subject to verification until further notice.*
Rex 4.0 - Stanislaus County Public Works Department

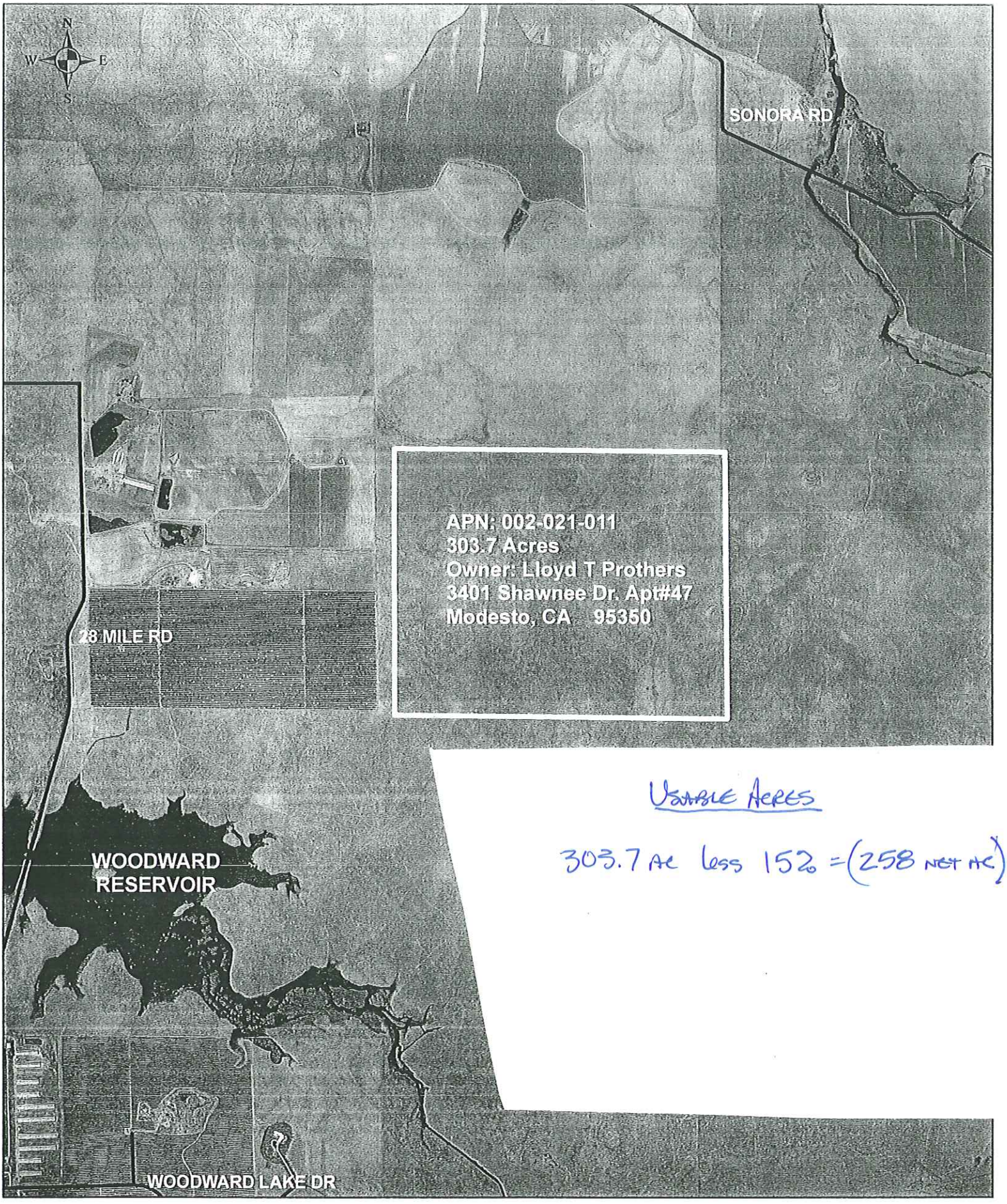
Parcel 3(b)

Mike Wilson
Stanislaus County Public Works

0 1,000 2,000 4,000 Feet

December 2009

Parcel 3(b)



Usable Acres

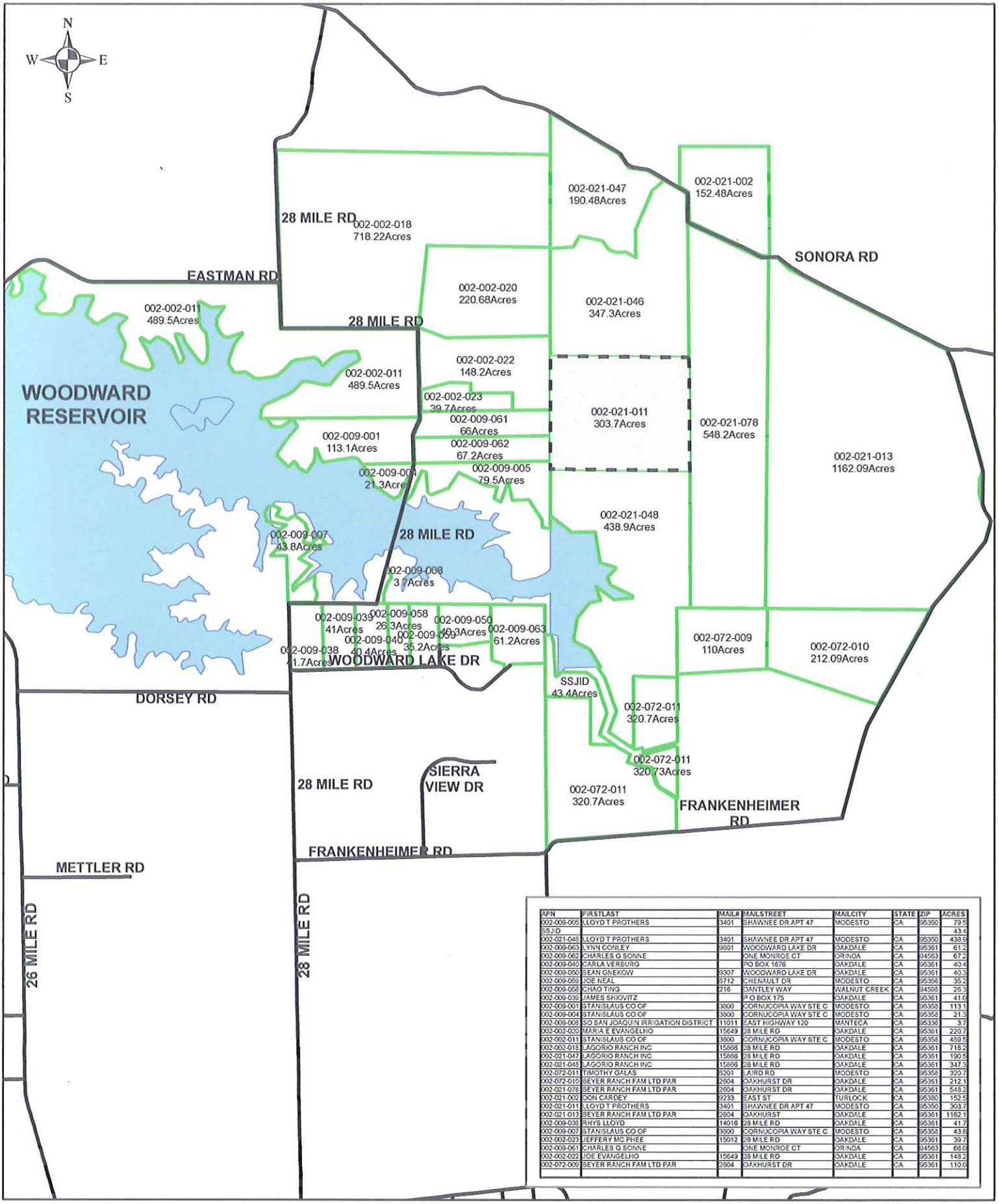
303.7 Ac less 15% = (258 net Ac)

Mike Wilson
Stanislaus County Public Works

0 1,000 2,000 4,000 Feet

December 2009

Parcel 3(b)



APN	FIRSTLAST	MAIL#	MAILSTREET	MAILCITY	STATE	ZIP	ACRES
002-009-005	LLOYD T PROTHERS	3401	SHAWNEE DR APT 47	MODESTO	CA	95350	79.5
SSJID							43.4
002-021-048	LLOYD T PROTHERS	3401	SHAWNEE DR APT 47	MODESTO	CA	95350	438.9
002-009-063	LYNN CONLEY	9601	WOODWARD LAKE DR	OAKDALE	CA	95361	61.2
002-009-062	CHARLES G SONNE		ONE MONROE CT	ORINDA	CA	94563	67.2
002-009-040	CARLA VERBURG		PO BOX 1676	OAKDALE	CA	95361	40.4
002-009-050	SEAN GNEKOW	9307	WOODWARD LAKE DR	OAKDALE	CA	95361	40.3
002-009-059	JOE NEAL	5712	CHENAULT DR	MODESTO	CA	95356	35.2
002-009-058	CHAO TING	216	DANTLEY WAY	WALNUT CREEK	CA	94598	26.3
002-009-039	JAMES SHIOVITZ		P O BOX 175	OAKDALE	CA	95361	41.0
002-009-001	STANISLAUS CO OF	3800	CORNUCOPIA WAY STE C	MODESTO	CA	95358	113.1
002-009-004	STANISLAUS CO OF	3800	CORNUCOPIA WAY STE C	MODESTO	CA	95358	21.3
002-009-008	SO SAN JOAQUIN IRRIGATION DISTRICT	11011	EAST HIGHWAY 120	MANTECA	CA	95336	3.7
002-002-020	MARIA E EVANGELHO	15649	28 MILE RD	OAKDALE	CA	95361	220.7
002-002-011	STANISLAUS CO OF	3800	CORNUCOPIA WAY STE C	MODESTO	CA	95358	489.5
002-002-018	LAGORIO RANCH INC	15866	28 MILE RD	OAKDALE	CA	95361	718.2
002-021-047	LAGORIO RANCH INC	15866	28 MILE RD	OAKDALE	CA	95361	190.5
002-021-045	LAGORIO RANCH INC	15866	28 MILE RD	OAKDALE	CA	95361	347.3
002-072-011	TIMOTHY GALAS	5201	LAIRD RD	MODESTO	CA	95358	320.7
002-072-010	SEYER RANCH FAM LTD PAR	2604	OAKHURST DR	OAKDALE	CA	95361	212.1
002-021-078	SEYER RANCH FAM LTD PAR	2604	OAKHURST DR	OAKDALE	CA	95361	548.2
002-021-002	DON CARDEY	9233	EAST ST	TURLOCK	CA	95380	152.5
002-021-011	LLOYD T PROTHERS	3401	SHAWNEE DR APT 47	MODESTO	CA	95350	303.7
002-021-013	SEYER RANCH FAM LTD PAR	2604	OAKHURST	OAKDALE	CA	95361	1162.1
002-009-038	RHYS LLOYD	14016	28 MILE RD	OAKDALE	CA	95361	41.7
002-009-007	STANISLAUS CO OF	3800	CORNUCOPIA WAY STE C	MODESTO	CA	95358	43.8
002-002-023	JEFFERY MC PHEE	15012	28 MILE RD	OAKDALE	CA	95361	39.7
002-009-061	CHARLES G SONNE		ONE MONROE CT	ORINDA	CA	94563	66.0
002-002-022	JOE EVANGELHO	15649	28 MILE RD	OAKDALE	CA	95361	148.2
002-072-009	SEYER RANCH FAM LTD PAR	2604	OAKHURST DR	OAKDALE	CA	95361	110.0

Mike Wilson
Stanislaus County Public Works

0 2,375 4,750 9,500 Feet

December 2009

Parcel Information Report --- Custom Option

APN: 002-021-048

OWNERS NAME: LLOYD T PROTHERS

SITE or STREET ADDRESS: FRANKENHEIMER W O RD
OAKDALE, CA 95383

MAILING ADDRESS: 3401 SHAWNEE DR APT 47
MODESTO, CA 95350

COMMUNITY SERVICE DISTRICT: Not Within

ELEMENTARY SCHOOL DISTRICT: VALLEY HOME JOINT

FEMA 2008 ZONE: FLOOD ZONE X - OUTSIDE THE 0.2% FLOODPLAIN

FEMA 2008 FIRM PANEL: 06099C0180E

FIRE DISTRICT: OAKDALE RURAL FIRE

FIRE HAZARD SEVERITY ZONE: SRA

GENERAL PLAN DESIGNATION (County): AG

HIGH SCHOOL DISTRICT: OAKDALE JOINT UNIFIED

HOSPITAL DISTRICT: OAK VALLEY

JURISDICTION: COUNTY

MOSQUITO ABATEMENT DISTRICT: EASTSIDE MOSQUITO

MUNICIPAL ADVISORY COUNCIL: VALLEY HOME MAC

REDEVELOPMENT SUB-AREAS: NOT WITHIN

SPHERE OF INFLUENCE: NONE

STORM DRAINAGE DISTRICT: NOT WITHIN

SUPERVISORIAL DISTRICT: DISTRICT 1

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WATERLINE IMPROVEMENT AREA: NOT WITHIN

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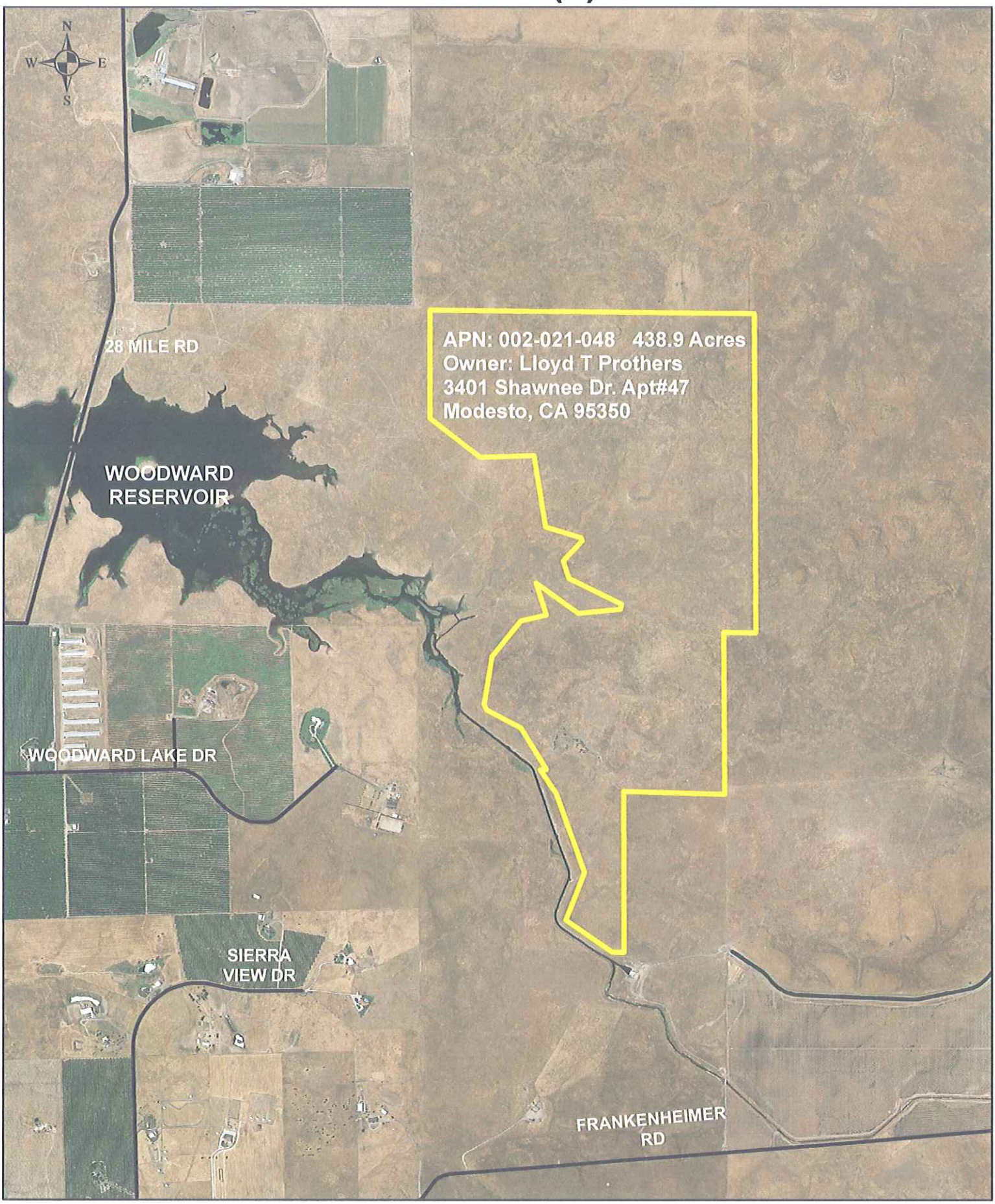
Parcel 3(c)

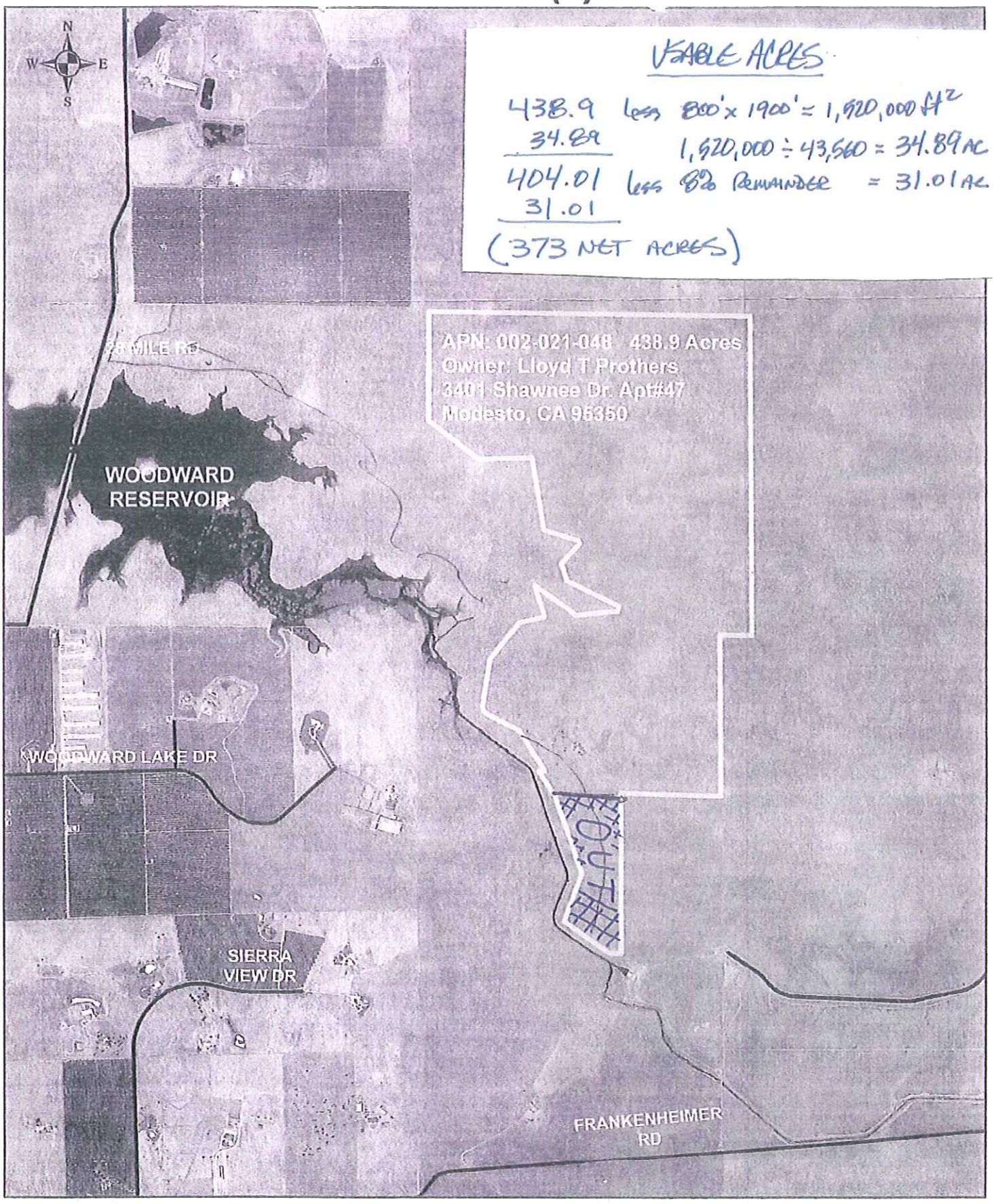


Mike Wilson
Stanislaus County Public Works

0 1,000 2,000 4,000 Feet

December 2009

Parcel 3(c)

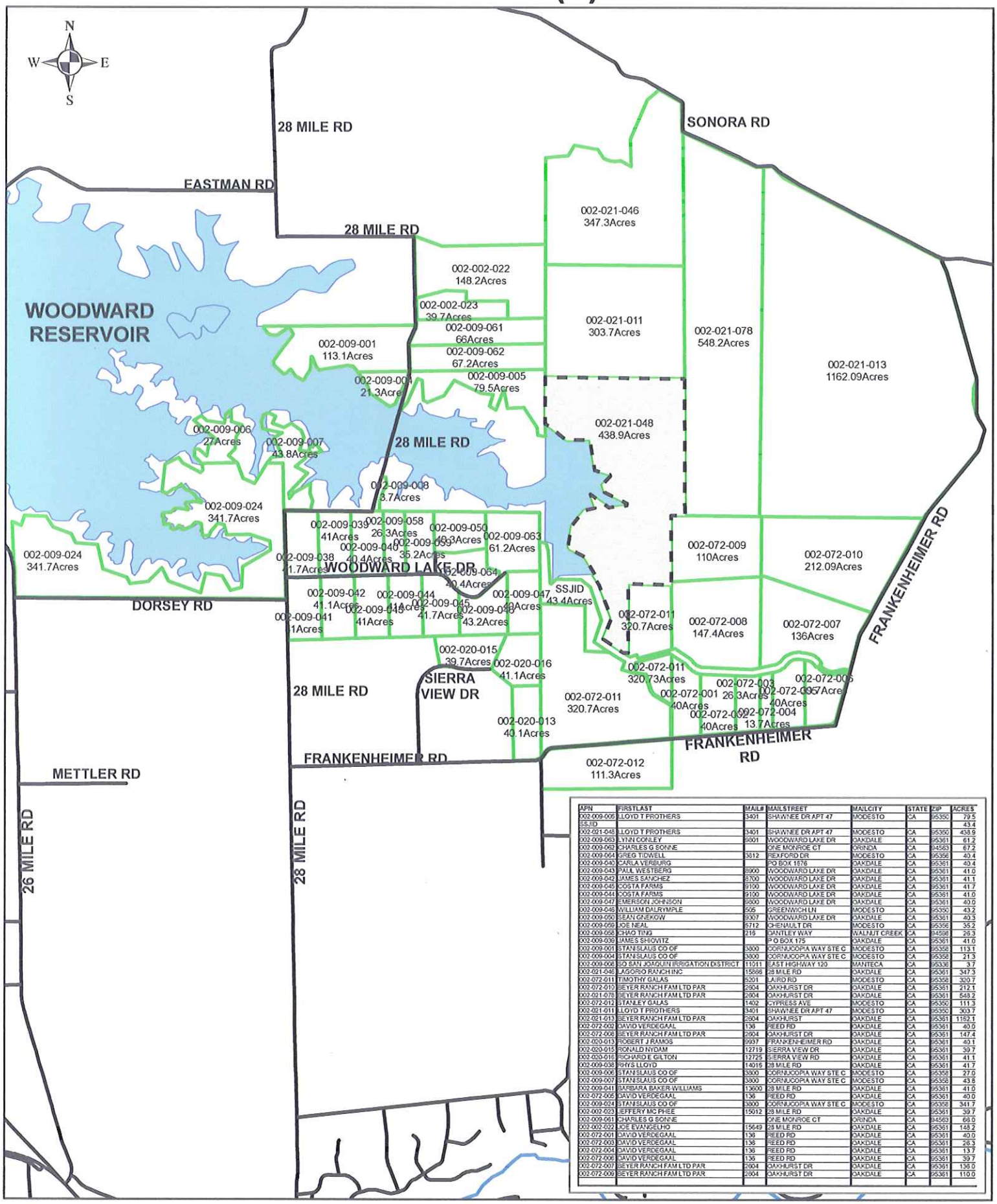


Mike Wilson
Stanislaus County Public Works

0 1,000 2,000 4,000 Feet

December 2009

Parcel 3(c)

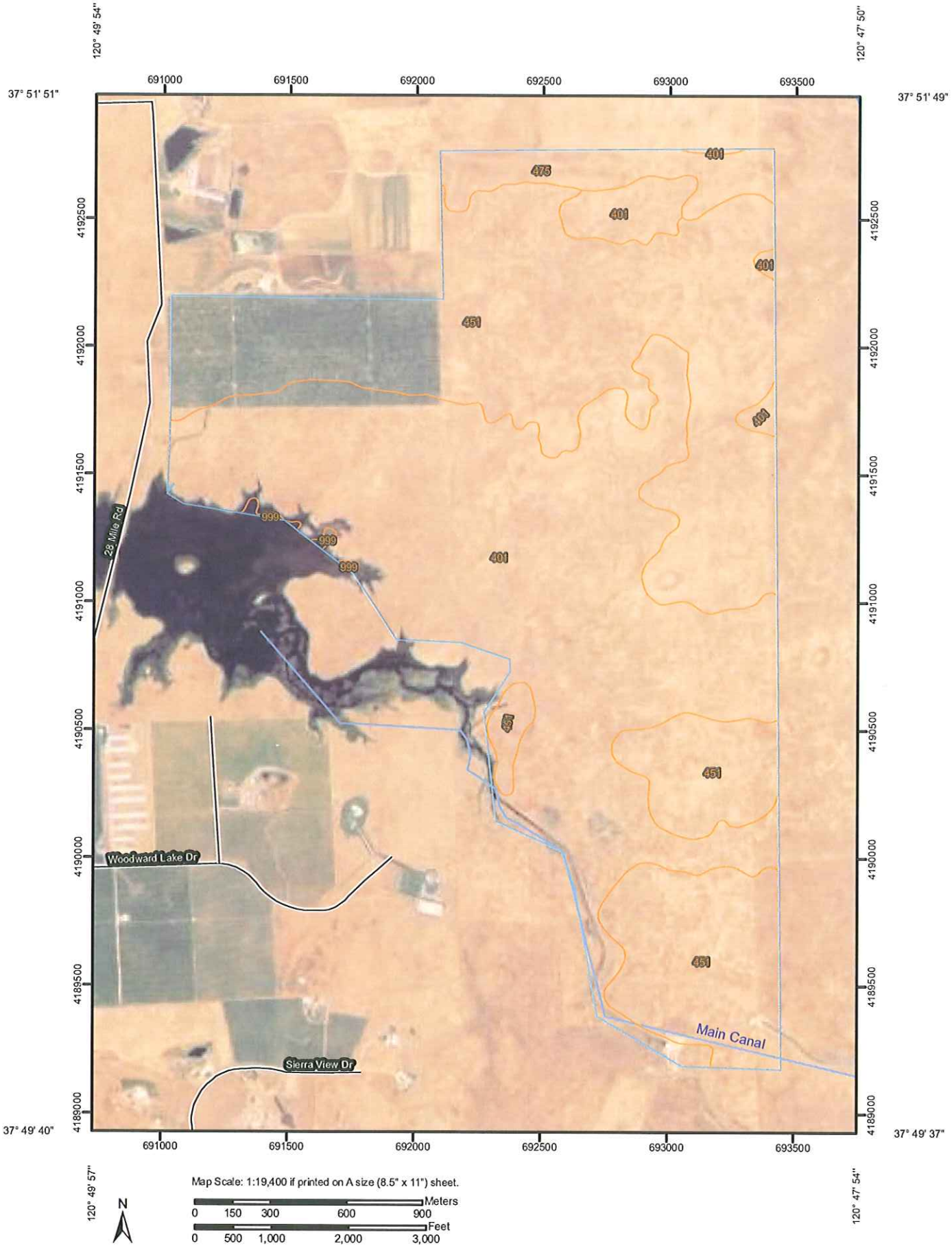


APN	FIRSTLAST	MAIL#	MAILSTREET	MAILCITY	STATE	ZIP	ACRES
002-009-005	LLOYD T PROTHERS	3401	SHAWNEE DR APT 47	MODESTO	CA	95350	79.5
SSJID							43.4
002-021-046	LLOYD T PROTHERS	3401	SHAWNEE DR APT 47	MODESTO	CA	95350	438.9
002-009-063	LYNN CONLEY	9901	WOODWARD LAKE DR	OAKDALE	CA	95361	61.2
002-009-062	CHARLES G SONNE		ONE MONROE CT	ORINDA	CA	94563	67.2
002-009-064	GREG TIDWELL	3812	PEXFORD DR	MODESTO	CA	95356	40.4
002-009-040	CARLA VERBURG		PO BOX 1576	OAKDALE	CA	95361	40.4
002-009-043	PAUL WESTBERG	8900	WOODWARD LAKE DR	OAKDALE	CA	95361	41.0
002-009-042	JAMES SANCHEZ	8700	WOODWARD LAKE DR	OAKDALE	CA	95361	41.1
002-009-045	COSTA FARMS	9100	WOODWARD LAKE DR	OAKDALE	CA	95361	41.7
002-009-044	COSTA FARMS	9100	WOODWARD LAKE DR	OAKDALE	CA	95361	41.0
002-009-047	EMERSON JOHNSON	9800	WOODWARD LAKE DR	OAKDALE	CA	95361	40.0
002-009-048	WILLIAM DALRYMPLE	505	GREENWICH LN	MODESTO	CA	95350	43.2
002-009-050	SEAN GNEKOW	9307	WOODWARD LAKE DR	OAKDALE	CA	95361	40.3
002-009-059	JOE NEAL	5712	DHENAULT DR	MODESTO	CA	95356	35.2
002-009-058	CHAO TING	219	DANTLEY WAY	WALNUT CREEK	CA	94598	26.3
002-009-039	JAMES SHIOVITZ		P O BOX 175	OAKDALE	CA	95361	41.0
002-009-001	STANISLAUS CO OF	3800	CORNUCOPIA WAY STE C	MODESTO	CA	95358	113.1
002-009-004	STANISLAUS CO OF	3800	CORNUCOPIA WAY STE C	MODESTO	CA	95358	21.3
002-009-008	SO SAN JOAQUIN IRRIGATION DISTRICT	11011	EAST HIGHWAY 120	MANTECA	CA	95336	3.7
002-021-046	LAGORIO RANCH INC	15566	28 MILE RD	OAKDALE	CA	95361	347.3
002-072-011	TIMOTHY GALAS	5201	LAIRD RD	MODESTO	CA	95358	320.7
002-072-010	SEYER RANCH FAM LTD PAR	2904	OAKHURST DR	OAKDALE	CA	95361	212.1
002-021-078	SEYER RANCH FAM LTD PAR	2904	OAKHURST DR	OAKDALE	CA	95361	548.2
002-072-012	STANLEY GALAS	1402	CYPRESS AVE	MODESTO	CA	95350	111.3
002-021-011	LLOYD T PROTHERS	3401	SHAWNEE DR APT 47	MODESTO	CA	95350	303.7
002-021-013	SEYER RANCH FAM LTD PAR	2904	OAKHURST	OAKDALE	CA	95361	1162.1
002-072-002	DAVID VERDEGAAL	136	REED RD	OAKDALE	CA	95361	40.0
002-072-008	SEYER RANCH FAM LTD PAR	2904	OAKHURST DR	OAKDALE	CA	95361	147.4
002-020-013	ROBERT J RAMOS	9937	FRANKENHEIMER RD	OAKDALE	CA	95361	40.1
002-020-015	RONALD NYDAM	12719	SIERRA VIEW DR	OAKDALE	CA	95361	39.7
002-020-016	RICHARD E GILTON	12725	SIERRA VIEW RD	OAKDALE	CA	95361	41.1
002-009-038	RHYS LLOYD	14015	28 MILE RD	OAKDALE	CA	95361	41.7
002-009-006	STANISLAUS CO OF	3800	CORNUCOPIA WAY STE C	MODESTO	CA	95358	27.0
002-009-007	STANISLAUS CO OF	3800	CORNUCOPIA WAY STE C	MODESTO	CA	95358	43.8
002-009-041	BARBARA BAKER-WILLIAMS	13600	28 MILE RD	OAKDALE	CA	95361	41.0
002-072-005	DAVID VERDEGAAL	136	REED RD	OAKDALE	CA	95361	40.0
002-009-024	STANISLAUS CO OF	3800	CORNUCOPIA WAY STE C	MODESTO	CA	95358	341.7
002-002-023	JEFFERY MC PHEE	15012	28 MILE RD	OAKDALE	CA	95361	39.7
002-009-061	CHARLES G SONNE		ONE MONROE CT	ORINDA	CA	94563	66.0
002-002-022	JOE EVANGELHO	15649	28 MILE RD	OAKDALE	CA	95361	148.2
002-072-001	DAVID VERDEGAAL	136	REED RD	OAKDALE	CA	95361	40.0
002-072-003	DAVID VERDEGAAL	136	REED RD	OAKDALE	CA	95361	26.3
002-072-004	DAVID VERDEGAAL	136	REED RD	OAKDALE	CA	95361	13.7
002-072-006	DAVID VERDEGAAL	136	REED RD	OAKDALE	CA	95361	39.7
002-072-007	SEYER RANCH FAM LTD PAR	2904	OAKHURST DR	OAKDALE	CA	95361	136.0
002-072-009	SEYER RANCH FAM LTD PAR	2904	OAKHURST DR	OAKDALE	CA	95361	110.0

Mike Wilson
Stanislaus County Public Works

0 2,375 4,750 9,500 Feet

December 2009


120° 49' 54"
120° 47' 50"
37° 51' 51"
37° 51' 49"
691000
691500
692000
692500
693000
693500
4192500
4192000
4191500
4191000
4190500
4190000
4189500
4189000
37° 49' 40"
37° 49' 37"
120° 49' 57"
120° 47' 54"
401
475
451
999
28 Mile Rd
Woodward Lake Dr
Sierra View Dr
Main Canal
N
Map Scale: 1:19,400 if printed on A size (8.5" x 11") sheet.
Meters
0 150 300 600 900
Feet
0 500 1,000 2,000 3,000

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Units

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other

Special Line Features
- Gully
- Short Steep Slope
- Other

Political Features
- Cities

Water Features
- Oceans
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads

MAP INFORMATION

Map Scale: 1:19,400 if printed on A size (8.5" × 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov
Coordinate System: UTM Zone 10N NAD83

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

Soil Survey Area: Stanislaus County, California, Northern Part
Survey Area Data: Version 5, Aug 31, 2009

Date(s) aerial images were photographed: 6/12/2005

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.

Map Unit Legend

Stanislaus County, California, Northern Part (CA632)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
401	Peters-Pentz association, 2 to 8 percent slopes	608.8	47.9%
451	Pentz-Peters association, 2 to 15 percent slopes	609.2	47.9%
475	Pentz-Peters association, 15 to 50 percent slopes	51.5	4.0%
999	WATER	2.6	0.2%
Totals for Area of Interest		**1,272.1**	**100.0%**

Map Unit Description

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. All the soils of a series have major horizons that are similar in composition, thickness, and arrangement. Soils of a given series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Additional information about the map units described in this report is available in other soil reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the soil reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description

Stanislaus County, California, Northern Part

401—Peters-Pentz association, 2 to 8 percent slopes

Map Unit Setting

Elevation: 200 to 410 feet
Mean annual precipitation: 13 to 15 inches
Mean annual air temperature: 61 to 63 degrees F
Frost-free period: 230 to 275 days

Map Unit Composition

Peters, clay, and similar soils: 60 percent
Pentz, loam, and similar soils: 25 percent

Minor components: 15 percent

Description of Peters, Clay

Setting

Landform: Hillslopes
Landform position (two-dimensional): Toeslope, footslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Linear
Parent material: Tuffaceous clayey colluvium derived from volcanic sandstone

Properties and qualities

Slope: 2 to 5 percent
Depth to restrictive feature: 10 to 20 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Very low (about 1.9 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability (nonirrigated): 4e

Typical profile

0 to 2 inches: Silty clay loam
2 to 6 inches: Silty clay
6 to 14 inches: Silty clay
15 to 60 inches: Weathered bedrock

Description of Pentz, Loam

Setting

Landform: Hillslopes
Landform position (two-dimensional): Backslope, summit
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Tuffaceous loamy residuum weathered from volcanic sandstone

Properties and qualities

Slope: 5 to 8 percent
Depth to restrictive feature: 10 to 20 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Very low (about 1.5 inches)

Interpretive groups

Land capability (nonirrigated): 6e

Typical profile

0 to 9 inches: Silt loam
9 to 12 inches: Silt loam
12 to 16 inches: Silt loam
16 to 60 inches: Weathered bedrock

Minor Components

Typic durixerepts, sandy clay loam

Percent of map unit: 7 percent
Landform: Fan remnants

Pentz, loam

Percent of map unit: 3 percent
Landform: Hillslopes
Landform position (two-dimensional): Summit, backslope

Archerdale, loam

Percent of map unit: 2 percent
Landform: Stream terraces

Hicksville, clay loam

Percent of map unit: 1 percent
Landform: Stream terraces

Hollenbeck, clay

Percent of map unit: 1 percent
Landform: Backswamps

Ultic haploxerolls, clayey-skeletal, gravelly loam

Percent of map unit: 1 percent
Landform: Hillslopes
Landform position (two-dimensional): Backslope

451—Pentz-Peters association, 2 to 15 percent slopes

Map Unit Setting

Elevation: 130 to 380 feet
Mean annual precipitation: 13 to 15 inches
Mean annual air temperature: 61 to 63 degrees F
Frost-free period: 255 to 275 days

Map Unit Composition

Pentz, loam, and similar soils: 65 percent
Peters, clay, and similar soils: 35 percent
Minor components: 15 percent

Description of Pentz, Loam

Setting

Landform: Hillslopes
Landform position (two-dimensional): Backslope, summit

Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Tuffaceous loamy residuum weathered from volcanic sandstone

Properties and qualities

Slope: 5 to 15 percent
Depth to restrictive feature: 10 to 20 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Very low (about 1.6 inches)

Interpretive groups

Land capability (nonirrigated): 6e

Typical profile

0 to 6 inches: Silt loam
6 to 10 inches: Silt loam
10 to 12 inches: Silt loam
12 to 60 inches: Weathered bedrock

Description of Peters, Clay

Setting

Landform: Hillslopes
Landform position (two-dimensional): Footslope, toeslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Linear
Parent material: Tuffaceous clayey colluvium derived from volcanic sandstone

Properties and qualities

Slope: 2 to 8 percent
Depth to restrictive feature: 10 to 20 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Very low (about 1.9 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability (nonirrigated): 4e

Typical profile

0 to 2 inches: Silty clay loam
2 to 6 inches: Silty clay
6 to 14 inches: Silty clay

15 to 60 inches: Weathered bedrock

Minor Components

Ultic haploxerolls, clayey-skeletal, gravelly loam
Percent of map unit: 4 percent
Landform: Hillslopes
Landform position (two-dimensional): Backslope

Pentz, loam
Percent of map unit: 3 percent
Landform: Hillslopes
Landform position (two-dimensional): Backslope, summit

Typic durixerepts, sandy clay loam
Percent of map unit: 3 percent
Landform: Fan remnants

Redding, sandy loam
Percent of map unit: 2 percent
Landform: Fan remnants

Archerdale, gravelly loam
Percent of map unit: 1 percent
Landform: Stream terraces

Pachic haploxerolls, loam
Percent of map unit: 1 percent
Landform: Hillslopes
Landform position (two-dimensional): Backslope

Rock outcrop
Percent of map unit: 1 percent

475—Pentz-Peters association, 15 to 50 percent slopes

Map Unit Setting
Elevation: 130 to 380 feet
Mean annual precipitation: 13 to 15 inches
Mean annual air temperature: 61 to 63 degrees F
Frost-free period: 255 to 275 days

Map Unit Composition
Pentz, loam, and similar soils: 60 percent
Peters, clay, and similar soils: 25 percent
Minor components: 15 percent

Description of Pentz, Loam

Setting
Landform: Hillslopes
Landform position (two-dimensional): Backslope, summit
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex

Parent material: Tuffaceous loamy residuum weathered from volcanic sandstone

Properties and qualities

Slope: 15 to 50 percent
Depth to restrictive feature: 10 to 20 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Very low (about 1.5 inches)

Interpretive groups

Land capability (nonirrigated): 6e

Typical profile

0 to 9 inches: Silt loam
9 to 12 inches: Silt loam
12 to 16 inches: Silt loam
16 to 60 inches: Weathered bedrock

Description of Peters, Clay

Setting

Landform: Hillslopes
Landform position (two-dimensional): Toeslope, footslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Linear
Parent material: Tuffaceous clayey colluvium derived from volcanic sandstone

Properties and qualities

Slope: 2 to 8 percent
Depth to restrictive feature: 10 to 20 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Very low (about 1.9 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability (nonirrigated): 4e

Typical profile

0 to 2 inches: Silty clay loam
2 to 6 inches: Silty clay
6 to 14 inches: Silty clay
15 to 60 inches: Weathered bedrock

Minor Components

Ultic haploxerolls, clayey-skeletal, gravelly loam
Percent of map unit: 4 percent
Landform: Hillslopes
Landform position (two-dimensional): Backslope

Typic durixerepts, sandy clay loam
Percent of map unit: 3 percent
Landform: Fan remnants

Redding, sandy loam
Percent of map unit: 2 percent
Landform: Fan remnants

Pentz, loam
Percent of map unit: 2 percent
Landform: Hillslopes
Landform position (two-dimensional): Backslope, summit

Archerdale, gravelly loam
Percent of map unit: 2 percent
Landform: Stream terraces

Pachic haploxerolls, loam
Percent of map unit: 1 percent
Landform: Hillslopes
Landform position (two-dimensional): Backslope

Rock outcrop
Percent of map unit: 1 percent

999—WATER

Map Unit Composition
Water: 100 percent

Data Source Information

Soil Survey Area: Stanislaus County, California, Northern Part
Survey Area Data: Version 5, Aug 31, 2009