RISKS TO SOIL INVERTEBRATES

RISKS TO TERRESTRIAL PLANTS

LEGEND

- Landfills
- Ponds
- Other Features
- Presumptive Remedy Areas
- Property Boundary
- Roadway Samples Outside Presumptive Remedy Area
- Roadway Samples Inside Presumptive Remedy Area

RISKS ASSOCIATED WITH SOIL INVERTEBRATES OR TERRESTRIAL PLANTS

- ▲, ● OR ⬟ SOIL CONCENTRATION <= UTL OR $HQ_{LOWEST\text{-}EFFECT\ LEVEL}$ < 1
- COPPER $HQ_{LOWEST\text{-}EFFECT\ LEVEL}$ >= 1
- CHROMIUM $HQ_{LOWEST\text{-}EFFECT\ LEVEL}$ >= 1
- ZINC $HQ_{LOWEST\text{-}EFFECT\ LEVEL}$ >= 1
- BARIUM $HQ_{LOWEST\text{-}EFFECT\ LEVEL}$ >= 1

GRAPHIC SCALE

0 325 650 Feet

NOTES

BASE IMAGERY FROM STATE OF CALIFORNIA, UNIVERSAL TRANSVERSE MERCATOR PROJECTION (UTM) ON THE NORTH AMERICAN DATUM OF 1983. SOURCE IMAGE DATE IS 1994.

CASMALIA RESOURCES SUPERFUND SITE

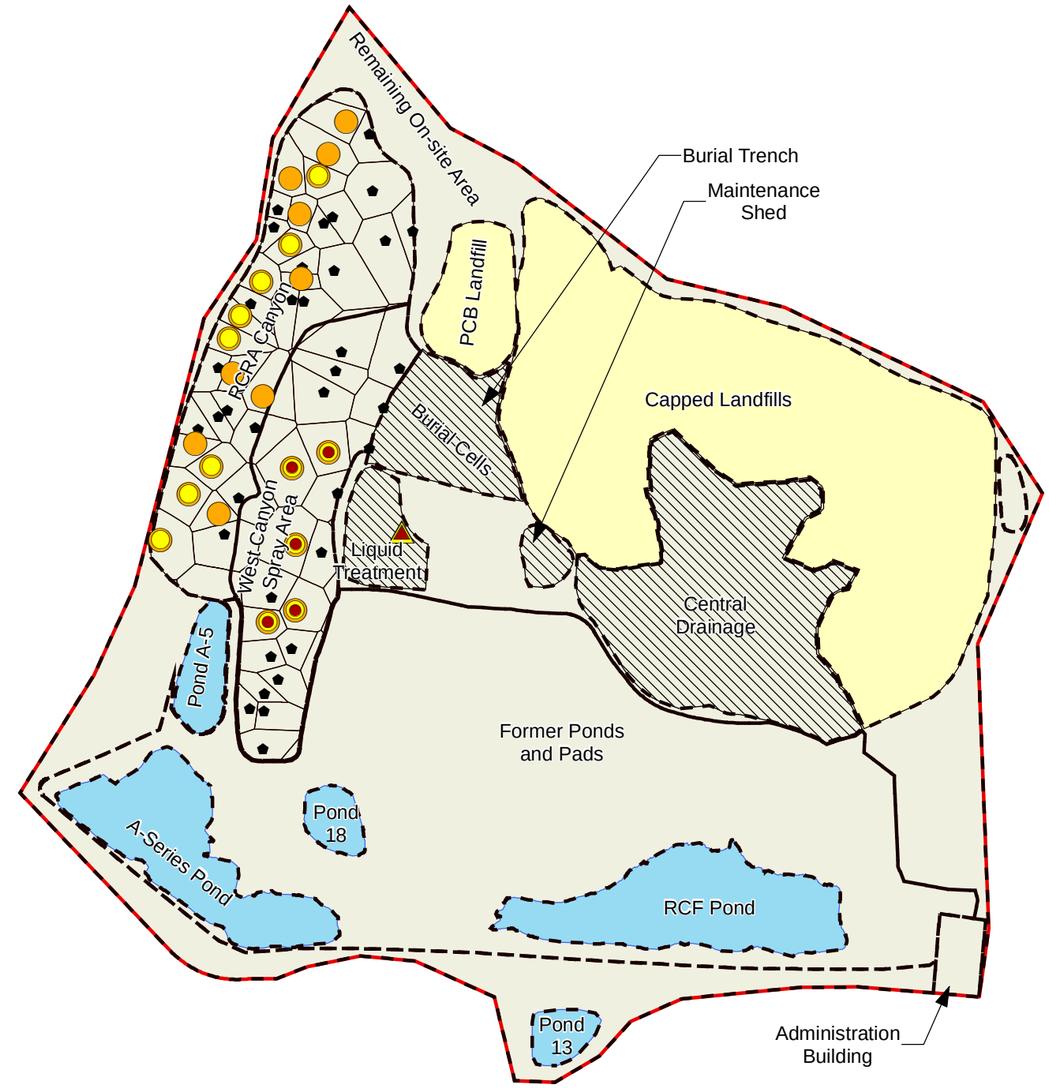
FEASIBILITY STUDY

CO-LOCATED RISKS TO ECOLOGICAL COMMUNITIES

FIGURE

7-1

RISKS TO SOIL INVERTEBRATES



RISKS TO TERRESTRIAL PLANTS

LEGEND

- Landfills
- Ponds
- Other Features
- Presumptive Remedy Areas
- Property Boundary
- Roadway Samples Outside Presumptive Remedy Area
- Roadway Samples Inside Presumptive Remedy Area

RISKS ASSOCIATED WITH SOIL INVERTEBRATES OR TERRESTRIAL PLANTS

- ▲, ● OR ⬟ SOIL CONCENTRATION <= UTL OR $HQ_{LOWEST\text{-}EFFECT\ LEVEL}$ < 1
- COPPER $HQ_{LOWEST\text{-}EFFECT\ LEVEL}$ >= 1
- CHROMIUM $HQ_{LOWEST\text{-}EFFECT\ LEVEL}$ >= 1
- ZINC $HQ_{LOWEST\text{-}EFFECT\ LEVEL}$ >= 1

GRAPHIC SCALE

0 325 650 Feet

NOTES

BASE IMAGERY FROM STATE OF CALIFORNIA, UNIVERSAL TRANSVERSE MERCATOR PROJECTION (UTM) ON THE NORTH AMERICAN DATUM OF 1983. SOURCE IMAGE DATE IS 1994.

CASMALIA RESOURCES
SUPERFUND SITE
FINAL FEASIBILITY STUDY

CO-LOCATED RISKS TO ECOLOGICAL COMMUNITIES ASSUMING BARIUM IS NOT TOXIC

FIGURE
7-1a

Q:\Casmalia\GIS\ArcMap_MXD\CO-LOCATES_U68_11X17.mxd

RISKS TO ORNATE SHREW

RISKS TO WESTERN MEADOWLARK (INVERTIVORE)

LEGEND

- Landfills
- Ponds
- Other Features
- Presumptive Remedy Areas
- Property Boundary
- ○ Roadway Samples Outside Presumptive Remedy Area
- △ Roadway Samples Inside Presumptive Remedy Area

RISKS ASSOCIATED WITH ORNATE SHREW OR WESTERN MEADOWLARK (INVERTIVORE)

- ▲, ● OR ⬟ SOIL CONCENTRATION <= UTL OR $HQ_{LOWEST\text{-}EFFECT\ LEVEL}$ < 1
- COPPER $HQ_{LOWEST\text{-}EFFECT\ LEVEL}$ >= 1
- CHROMIUM $HQ_{LOWEST\text{-}EFFECT\ LEVEL}$ >= 1
- ZINC $HQ_{LOWEST\text{-}EFFECT\ LEVEL}$ >= 1
- BARIUM $HQ_{LOWEST\text{-}EFFECT\ LEVEL}$ >= 1

GRAPHIC SCALE
0 325 650
Feet

NOTES

BASE IMAGERY FROM STATE OF CALIFORNIA, UNIVERSAL TRANSVERSE MERCATOR PROJECTION (UTM) ON THE NORTH AMERICAN DATUM OF 1983. SOURCE IMAGE DATE IS 1994.

CASMALIA RESOURCES SUPERFUND SITE
FEASIBILITY STUDY

CO-LOCATED RISKS TO WILDLIFE RECEPTORS

FIGURE
7-2

RISKS TO ORNATE SHREW

RISKS TO WESTERN MEADOWLARK (INVERTIVORE)

LEGEND

- Landfills
- Ponds
- Other Features
- Presumptive Remedy Areas
- Property Boundary
- Roadway Samples Outside Presumptive Remedy Area
- Roadway Samples Inside Presumptive Remedy Area

RISKS ASSOCIATED WITH ORNATE SHREW OR WESTERN MEADOWLARK (INVERTIVORE)

- ▲, ● OR ⬟ SOIL CONCENTRATION <= UTL OR $HQ_{LOWEST\text{-}EFFECT\ LEVEL}$ < 1
- ● COPPER $HQ_{LOWEST\text{-}EFFECT\ LEVEL}$ >= 1
- ● CHROMIUM $HQ_{LOWEST\text{-}EFFECT\ LEVEL}$ >= 1
- ● ZINC $HQ_{LOWEST\text{-}EFFECT\ LEVEL}$ >= 1

GRAPHIC SCALE
0 325 650
Feet

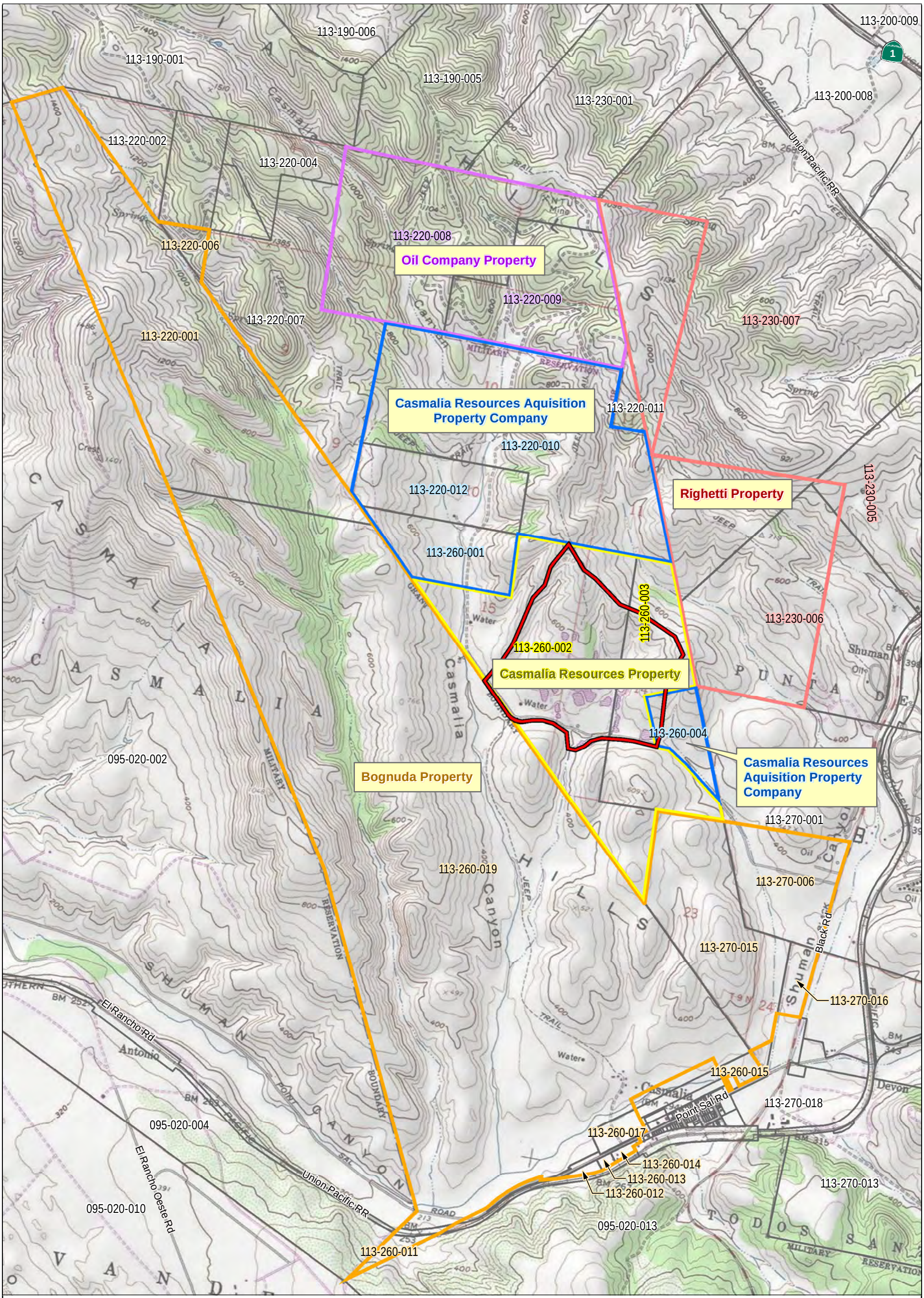
NOTES

BASE IMAGERY FROM STATE OF CALIFORNIA, UNIVERSAL TRANSVERSE MERCATOR PROJECTION (UTM) ON THE NORTH AMERICAN DATUM OF 1983. SOURCE IMAGE DATE IS 1994.

CASMALIA RESOURCES
SUPERFUND SITE
FINAL FEASIBILTY STUDY

CO-LOCATED RISKS TO WILDLIFE RECEPTORS ASSUMING BARIUM IS NOT TOXIC

FIGURE
7-2a



Source: Parcels - County of Santa Barbara Clerk-Recorder-Assessor's Mapping Division, February 2011; Santa Barbara County CEO GIS Centerlines, 12/21/10.
Image Source: Seamless, scanned images of United States Geological Survey (USGS) paper topographic 1:24,000-scale maps by National Geographic TOPO!).

FIGURE 7-3

Parcel Ownersip in Site Vicinity

Feasibility Study
Casmalia Resources Superfund Site

August 2014