Natural Environment Study
Volume 3: Detailed Mapping
California Red-Legged Frog, California Tiger Salamander, and Bay Checkerspot Butterfly

State Route 85 Express Lanes Project

State of California
Department of Transportation
District 04
Santa Clara County, CA
No. 0400001163/EA 4A7900

SR 85 PM 0.0–24.1
US 101 PM 23.1–28.6
US 101 PM 47.9–52.0

October 2013

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THIS MAP IS FOR ANALYSIS ONLY. DO NOT REPRODUCE.

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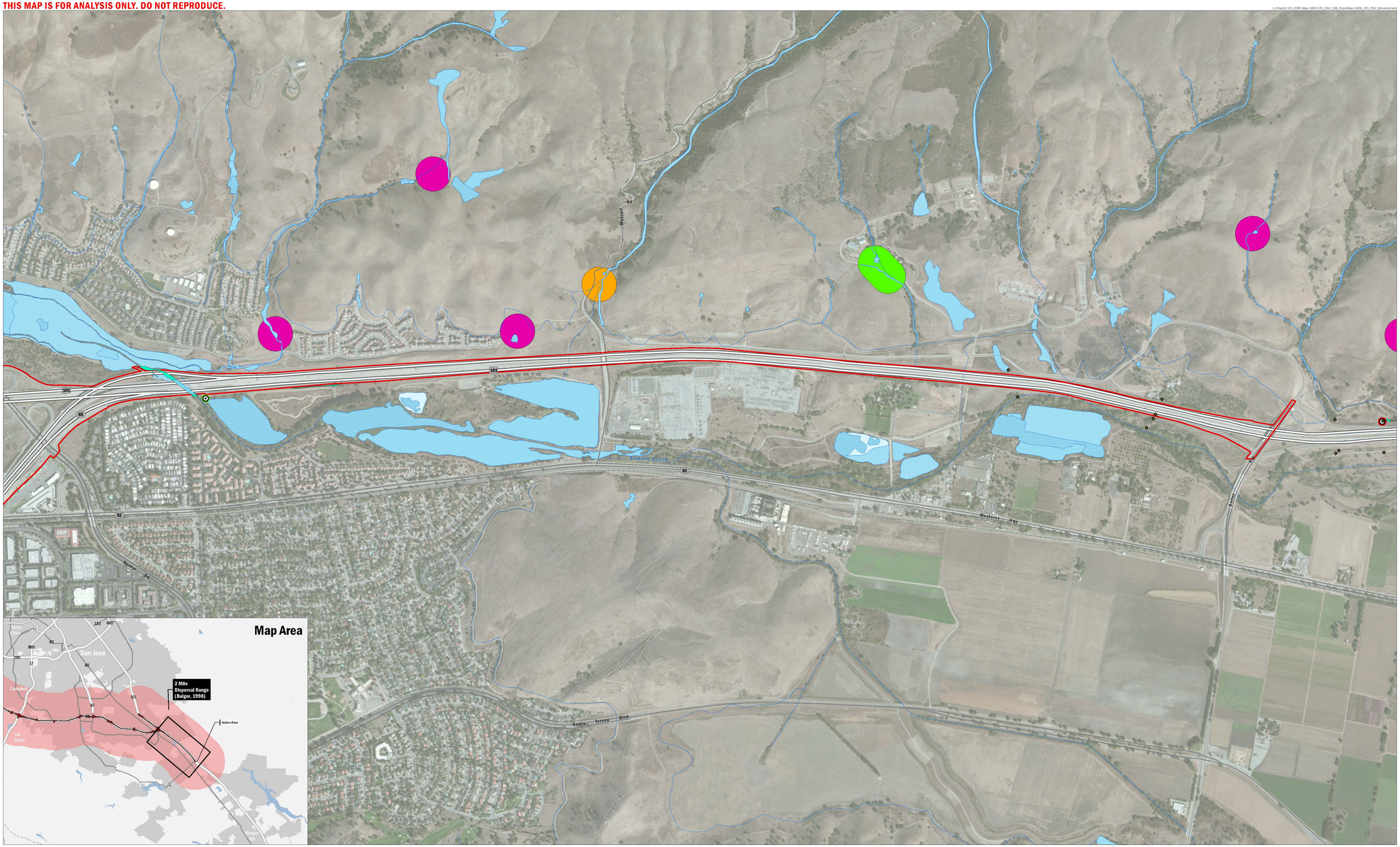

Figure OS-1: California Red-Legged Frog

Movement Through Coyote Valley (Action Area)

0 5,000 Feet

0 0.25 0.5 0.75 1 Miles

LEGEND

- Culverts
- Streams and Waterways
- Action Area

California Red-Legged Frog Field observations (10/2011, 3/2012, 5/2012)

- Field observation reported to the CNDDB
- Field observation not reported to the CNDDB

California Red-Legged Frog CNDDB Occurrence

- Aquatic Breeding Habitat
- Potential Aquatic Breeding Habitat
- Aquatic Non-Breeding Habitat

Potential Wetlands Based on the National Wetland Inventory

- Lake
- Freshwater Pond
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Other

Delineated Waters and Wetlands of the U.S.

- Ni-WL
- CWUS
- WUS
- WWUS

Data Source

California Natural Diversity Database (CNDDB)
California Department of Fish and Game, May 2013

National Wetland Inventory
U.S. Fish and Wildlife Service, 2012

Streams and Waterways
U.S. Geological Survey's National Hydrography Database, 2011

Culverts
Phillips, Julie, Ryan Phillips, Neela Srinivasan, Deborah Ass, Wendy Lao and Pat Cornely. 2012. Safe Passage for Coyote Valley. Prepared by the Environmental Studies Department, De Anza College
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Figure OS-2: California Red-Legged Frog

Movement Through Coyote Valley (Dispersal Range)

0 — 5,000 Feet

0 — 0.25 — 0.5 — 0.75 — 1 Miles

N

LEGEND

Culverts

California Red-Legged Frog Field observations (10/2011, 3/2012, 5/2012)

- Field observation reported to the CNDDB
- Field observation not reported to the CNDDB

Streams and Waterways

Action Area

2 Mile Dispersal Range (Bulger, 1998)

California Red-Legged Frog CNDDB Occurrence

- Aquatic Breeding Habitat
- Potential Aquatic Breeding Habitat
- Aquatic Non-Breeding Habitat
- Unknown Habitat Type

Potential Wetlands Based on the National Wetland Inventory

- Lake
- Freshwater Pond
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Other

Delineated Waters and Wetlands of the U.S.

- NJ-WL
- CWUS
- WUS
- WWUS

Data Source

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California Department of Fish and Game, May 2013

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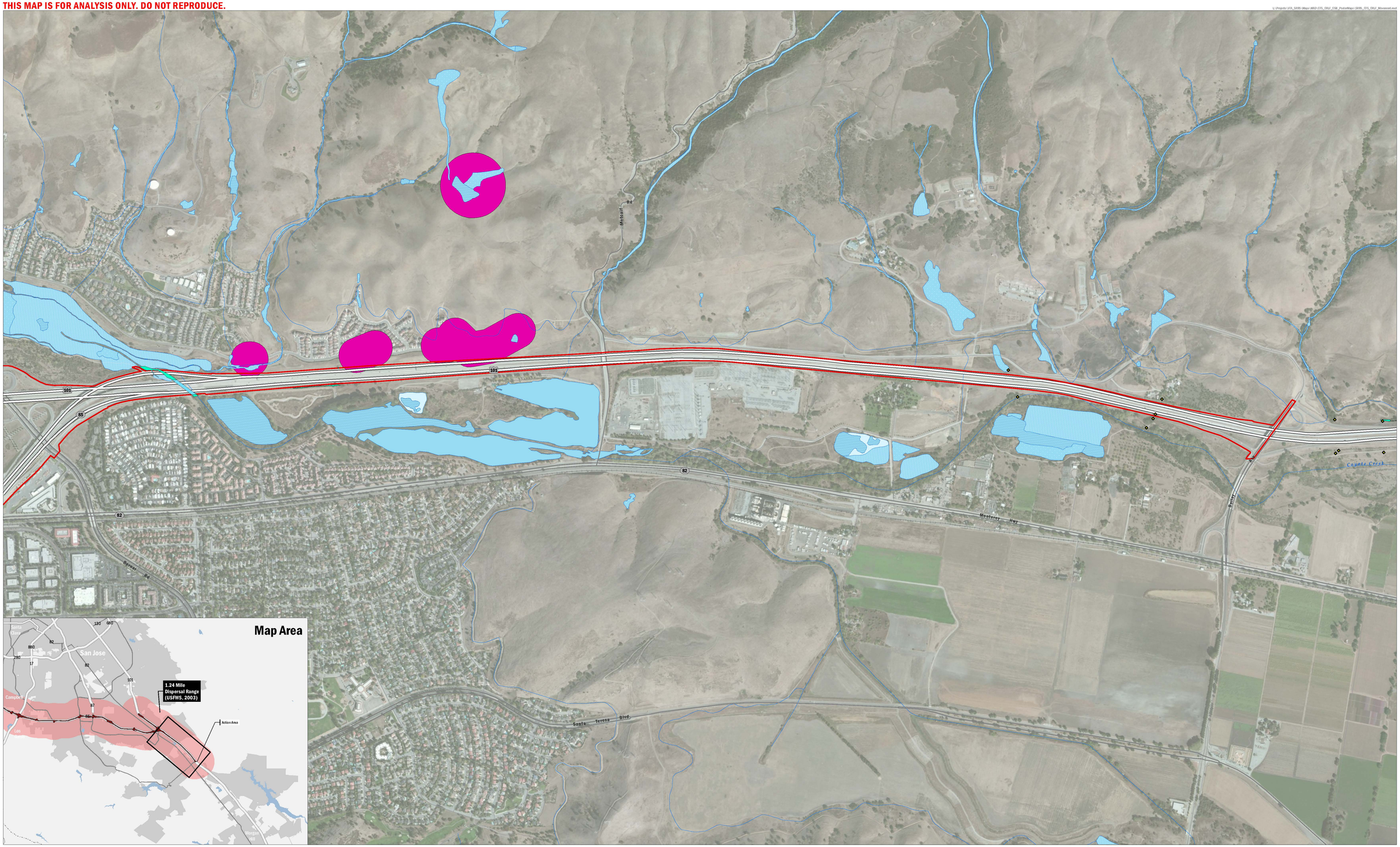

Figure OS-3: California Tiger Salamander

Movement Through Coyote Valley (Action Area)

0 5,000 Feet

0 0.25 0.5 0.75 1 Miles

LEGEND

- Culverts
- Streams and Waterways
- Action Area

California Tiger Salamander CNDDB Occurrence

- Aquatic Breeding Habitat

Potential Wetlands Based on the National Wetland Inventory

- Lake
- Freshwater Pond
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Other

Delineated Waters and Wetlands of the U.S.

- NI-WL
- CWUS
- WUS
- WWUS

Data Source

California Natural Diversity Database (CNDDB)
California Department of Fish and Game, May 2013

National Wetland Inventory
U.S. Fish and Wildlife Service, 2012

Streams and Waterways
U.S. Geological Survey's National Hydrography Database, 2011

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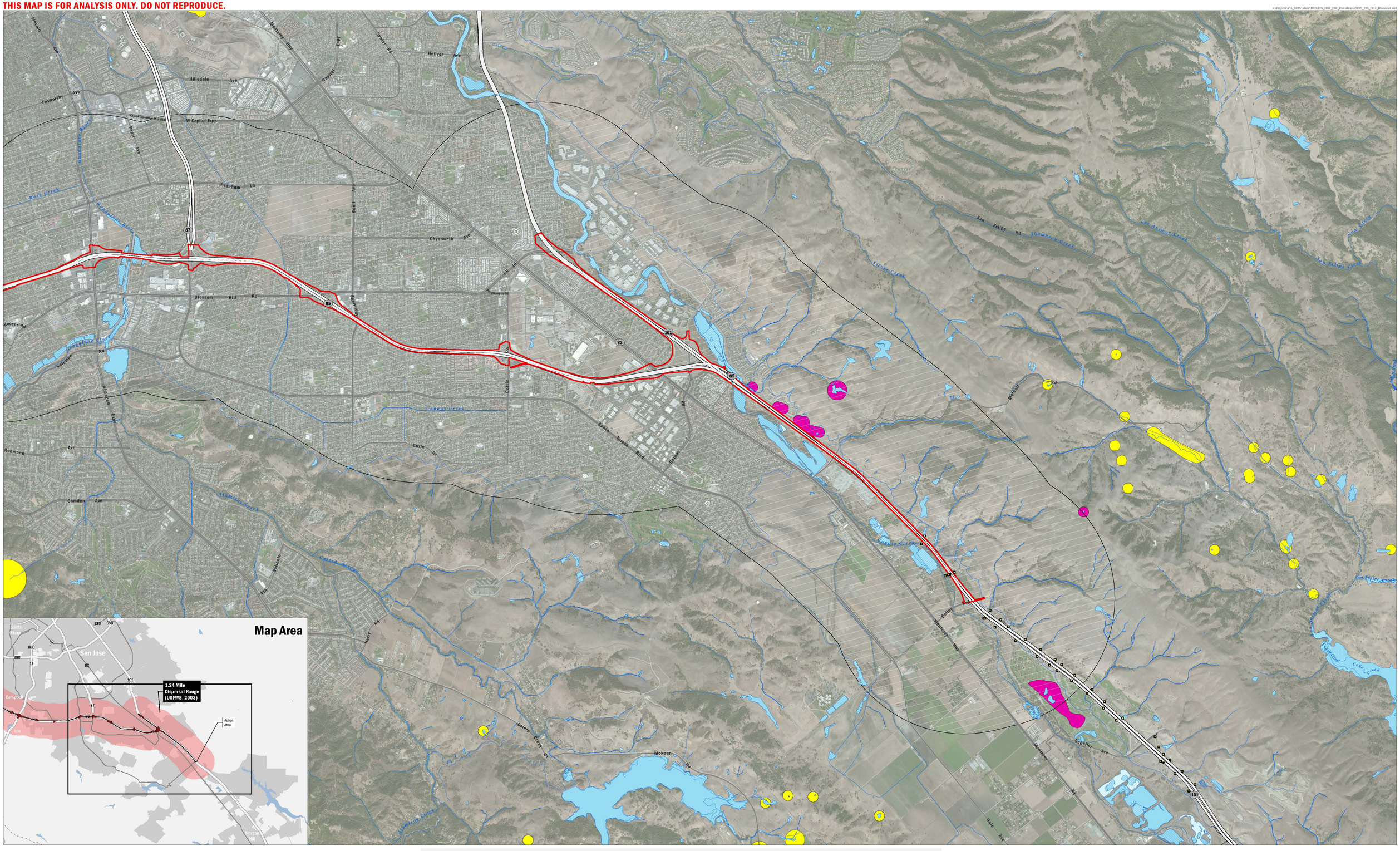

Figure OS-4: California Tiger Salamander

Movement Through Coyote Valley (Dispersal Range)

0 5,000 Feet

0 0.25 0.5 0.75 1 Miles

N

LEGEND

- Culverts
- Streams and Waterways
- Action Area
- 1.24 Mile Dispersal Range (USFWS, 2003)

California Tiger Salamander CNDDB Occurrence

- Aquatic Breeding Habitat
- Unknown Habitat Type

Potential Wetlands Based on the National Wetland Inventory

- Lake
- Freshwater Pond
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Other

Delineated Waters and Wetlands of the U.S.

- NJ-WL
- CWUS
- WUS
- WWUS

Data Source

California Natural Diversity Database (CNDDB)
California Department of Fish and Game, May 2013

National Wetland Inventory
U.S. Fish and Wildlife Service, 2012

Streams and Waterways
U.S. Geological Survey's National Hydrography Database, 2011

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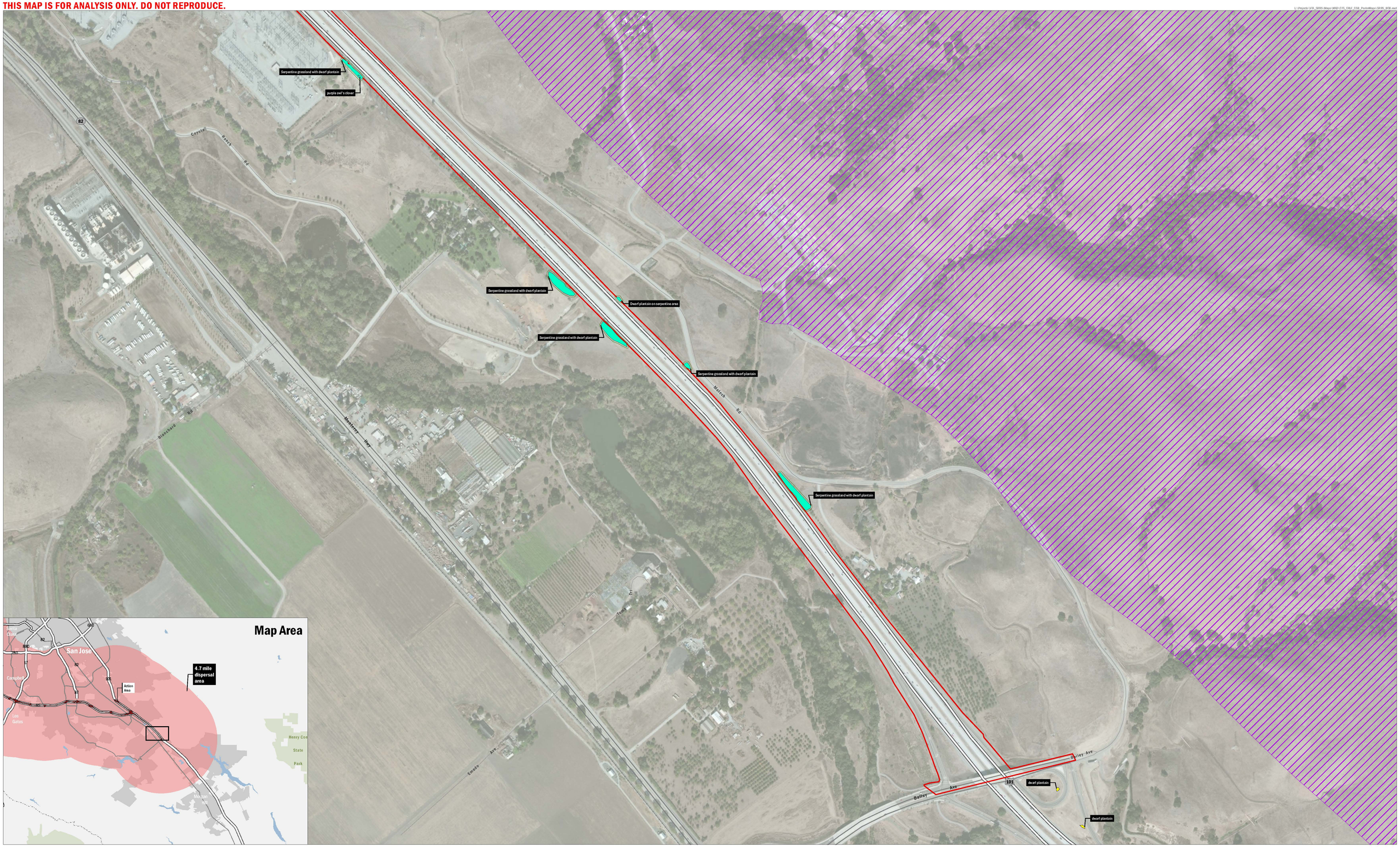

Figure OS-5: Bay Checkerspot Butterfly

Within the SR 85 Action Area (Action Area)

0 500 1,000 Feet

0 0.25 0.5 Miles

N

LEGEND

- Action Area
- **CNDDB Occurrence**
  - Bay checkerspot butterfly
- Serpentine Grassland
- Serpentine Grassland with Dwarf Plantain
- Dwarf Plantain
- Purple Owl's Clover
- Serpentine Grassland 10ft Buffer

Data Source

California Natural Diversity Database (CNDDB)
California Department of Fish and Game, November 2012

Dispersal range based on the Final Listing for the Bay Checkerspot Butterfly Critical Habitat (USFWS, 2001).

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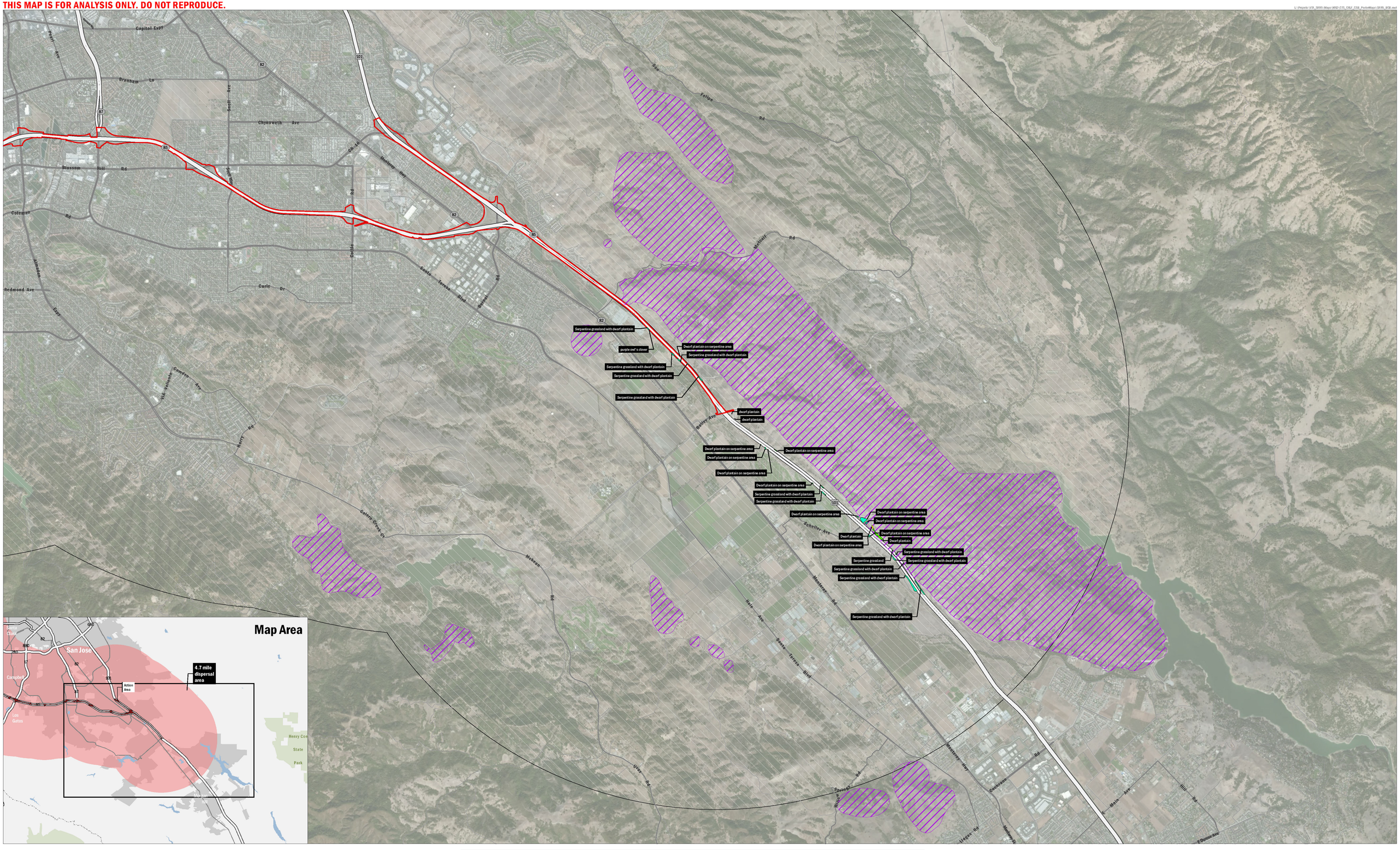

Figure OS-6: Bay Checkerspot Butterfly

Within the SR 85 Action Area (Dispersal Range)

0 5001,000 Feet

N 0 0.25 0.5 Miles

LEGEND

- Action Area
- Dispersal area, 4.7 miles
- **CNDDB Occurrence**
  - Bay checkerspot butterfly
  - Serpentine Grassland
  - Serpentine Grassland with Dwarf Plantain
  - Dwarf Plantain
  - Purple Owl's Clover
  - Serpentine Grassland 10ft Buffer

Data Source

California Natural Diversity Database (CNDDB)
California Department of Fish and Game, November 2012

Dispersal range based on the Final Listing for the Bay Checkerspot Butterfly Critical Habitat (USFWS, 2001).