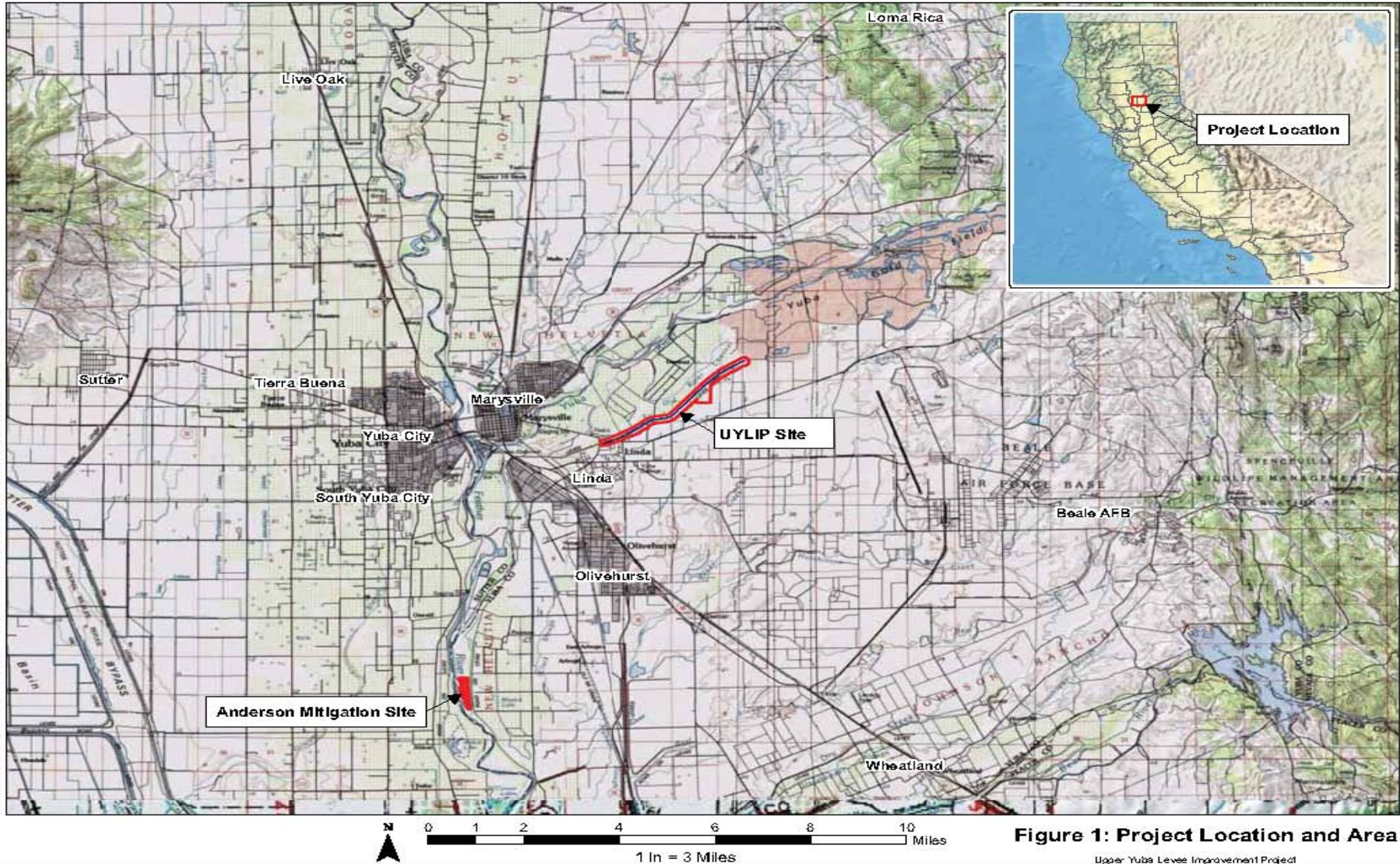




**Three Rivers Levee Improvement Authority  
Upper Yuba Improvement Project  
Approval to Use Existing Anderson Mitigation Site  
Application No. 18642**

December 3, 2010

# Site Location



Source: 115a-4 svt2\proj\csls\1273\_TRL\Wmap\_dustim\Series\_P\Project\_Location\_Vonly.mxd Last Updated: 03/09/2010

Figure 1: Project Location and Area

Upper Yuba Level Improvement Project



# ***Background: Anderson Mitigation Site***

- ❖ Established by USACE and DWR in 1995 and 1996 to mitigate elderberry impacts from the Marysville/Yuba City Phase 2 Reconstruction Project.
- ❖ Although initially planted, not all of the area set aside for elderberry mitigation was used for the Marysville/Yuba City Project.
- ❖ Creates the opportunity to use the remainder of this site as mitigation for future projects including UYLIP.

# ***Anderson Mitigation Site Habitat***

- ❖ Predominant habitat type is riparian woodland.
  
- ❖ Other Habitat Types
  - ❖ Scrub Shrub
  - ❖ Emergent Marsh



# Anderson Mitigation Site Map



Figure 3: Anderson Mitigation Site and Vicinity Habitat Map



# *Status of UYLIP*

- ❖ Design Complete
- ❖ Section 408 Authorization expected in January
- ❖ Section 104 Credit Approval (February-March)
- ❖ Construction Start Mid-April to Early May

# ***UYLIP Impacts***

- ❖ UYLIP Impacts 34 Elderberry Shrubs
  
- ❖ Proposed Mitigation
  - Transplant Impacted Shrubs to Anderson Site
  - Plant additional Elderberry Seedlings
    - ❖ 22 if accomplished in dormant season (Nov 1 to Feb 15)
    - ❖ 1,318 if accomplished in non-dormant season
  - Existing associated species and elderberry seedlings provide remainder of required mitigation plantings

# *Anderson Mitigation Site*

## *Use Impacts*

- ❖ No Hydraulic Impacts
  - Additional plantings do not change hydraulic roughness factor used in modeling
  
- ❖ Long Term Maintenance
  - RD 784 currently maintains site now per agreement with Corps
  - RD 784 will include additional acreage with some additional compensation by TRLIA
  
- ❖ No Change in Maintenance Restrictions
  - Any restrictions due to Mitigation Site already exist



# *Benefits*

- ❖ Utilize Established Mitigation Site
- ❖ Take Advantage of Existing Plantings
- ❖ Save Taxpayers approximately \$500,000
  - On Site Mitigation Cost: Approximately \$200,000
  - Off Site Mitigation Cost:
    - Dormant: \$679,880
    - Non Dormant: \$1,586,880
- ❖ Need Encroachment Permit in January to take Advantage of Benefits
  - Dormant Season Ends February 15

# *Schedule*

