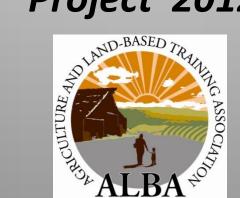
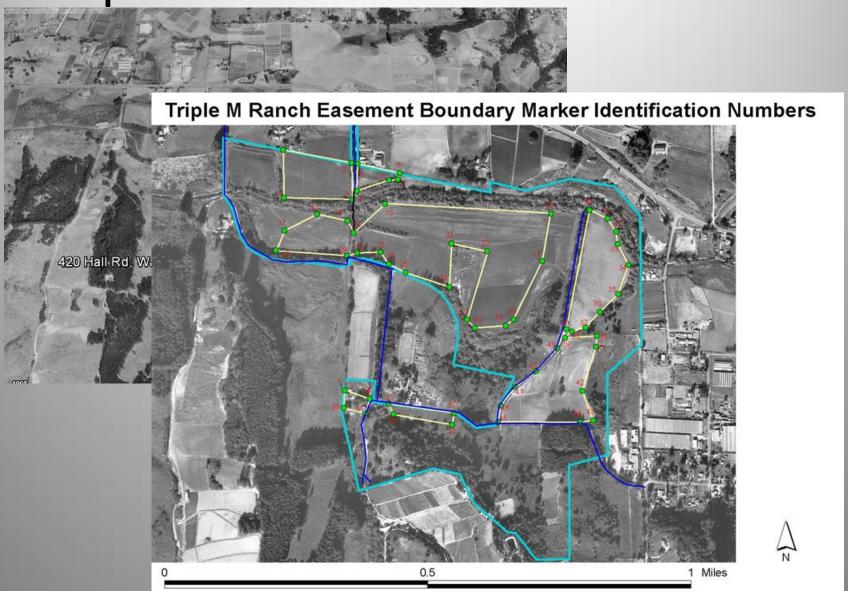
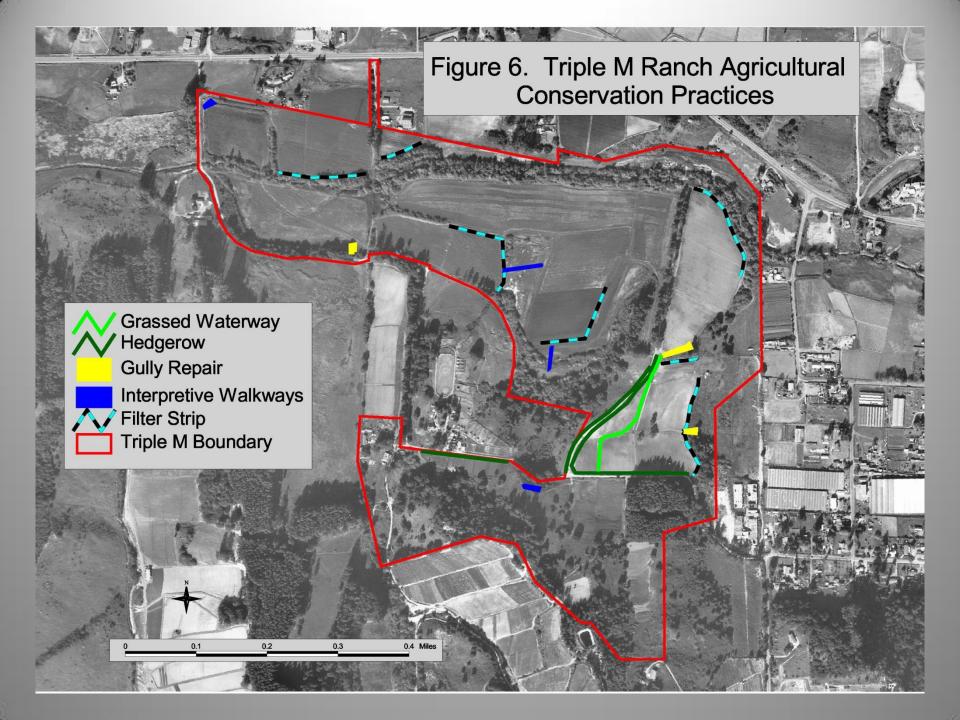
Voluntary Habitat Restoration and Species Recovery Efforts

Triple M Wetland Restoration Project 2012



Triple M Conservation Easement





Project Goals

- Improve water quality;
- Restoring diverse plant communities;
- Improve and maintaining habitat for Threatened and Endangered species;
- Provide flood storage;
- Connect Carneros Creek to its historic flood plain; and
- Collect research data California redlegged frog (CRLF, Rana draytonii);
 Santa Cruz Long-toed salamander (SCLTS, Ambystoma macrodactylum croceum); and California Tiger
 Salamander (CTS, Ambystoma californiense)





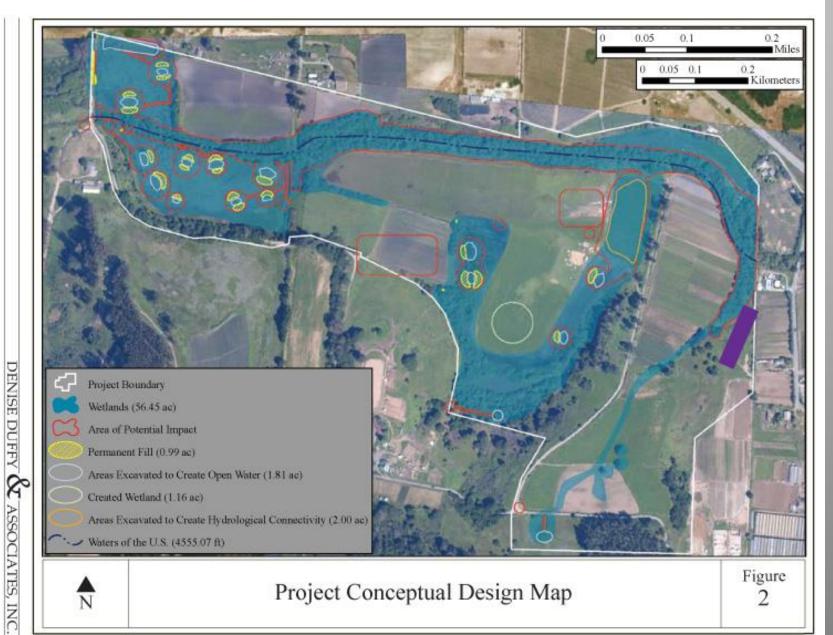
5 Phases

- 1. Planning-4 years (2005)
- Permitting-3 years(2009)
- Construction-2 months (2012)
- 4. Revegetation-Nov 2012 and May 2013
- On-going Management and Permit Compliance (10 years)





Planning



Permits



2009-2012

)	Army Corps of Engineers Section 404 Nationwid Permit
	☐ USFWS Biological Opinion, Section 7 Consultatio
]	Regional Water Quality Control Board Section 401 Certification
)	CA DFW- Fully Protected Permit permit incidentative take for SCLTS (<i>Ambystoma macrodactylum croceum</i>)
_	CA DFW 1602 Streambed Alteration Agreement project impact area within a riparian area
>	CA DFW- Safe Harbor Agreement 2089 -incidentatake during project activities for CTS (<i>Ambystomo californiense</i>)
ב	Monterey County grading permit received August 24, 2012-
ב	WDID# r eceived August 24, 2012-needed to monitor SWPP





CONSTRUCTION











Connectivity with Carneros Creek





May 1, 2013 Larval Sampling









How to measure success of project?

Project Goals

- Improve water quality;
- 2. Restore diverse plant communities;
- Improve and maintain habitat for T& E species;
- 4. Provide flood storage;
- 5. Connect Carneros Creek to historic flood plain; and
- 6. Collect research data T&E species

Success?

- 1. Currently being assessed
- 2. Not 100%
- 3. SLCTS- success so far
- 4. Will continued to be assessed in non-drought years
- 5. Will continued to be assessed in non-drought years
- 6. SCLTS only species observed in created wetland ponds

Questions?

