



## **TEAMRCD CUMULATIVE REPORT: 1-1-15 THROUGH 12-31-18**

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**ABOUT THE DISTRICT:** The Temecula-Elsinore-Anza-Murrieta Resource Conservation District (TEAM RCD) provides conservation, enhancement, education and outreach services within a boundary covering 505,000-A or approximately 798 square miles of Riverside County, extending south from Scott Road to the San Diego County line; from east of Anza and west to the Orange County line, in addition to a loop around Lake Elsinore. The District is governed by a five-member Board of Directors appointed by the Riverside County Board of Supervisors, and assisted in mission-focused project work by an evolving team of non-voting Associate Directors. Board members meet monthly in Temecula to discuss and take action on District business, both individually and on cooperation with core partners including the Natural Resources Conservation Service (NRCS), Riverside County Flood Control and Water Conservation District (RCFCWCD), Rancho California Water District (RCWD) and Mission Resource Conservation District (Mission RCD), among others.

TEAM RCD has been providing services to residents within its district boundaries since its founding in 1949. Its establishment aligned with the development of Soil Conservation Districts throughout the country in response to the devastation from the Dust Bowl, and each focused on delivery of local conservation alongside core federal partner, the Natural Resources Conservation Service (NRCS). In the mid-1970s, SCDs transitioned to Resource Conservation Districts (RCDs) in recognition of the range of conservation issues extending beyond the soil health focus of SCDs. In 2014, TEAM RCD became the official name of the district formerly known as Elsinore-Murrieta-Anza RCD, and since then has focused on efficient and effective service provision for the benefit of residents and resources within its district boundary.

**MISSION STATEMENT:** TEAM RCD promotes conservation of natural resources, opportunities for public education and participation, and a sustainable quality of life for the communities in the District.

**TEAM RCD REPORTING:** TEAM RCD received its Streambed Alteration Agreement from the California Department of Fish and Wildlife (CDFW) #1600-2012-0014-R6 in 2015, memorializing work in-progress and providing structure for continued acceptance of mitigation projects within TEAM RCD service area boundaries. This report covers activities from January 1<sup>st</sup>, 2015 through December 31<sup>st</sup>, 2018.

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## PROJECT: ADELINE FARMS

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Permit Table		
California Department of Fish and Wildlife	1600	1600-2003-5039-R6
United States Army Corps of Engineers	404	200301453-JPL
Regional Water Quality Control Board	401	03C-099

### Project Summary:

The Adeline Farms Conservation Easement (CE) is located in the City of Winchester, Riverside County, And west of Lake Skinner dam. The site is rectangular in shape and lies north of Benton Road, south of Shrimp Lane, west of Washington Street, and east of Pourroy Road. The easement is a 4.2-acre (5,195 linear foot) open drainage bioswale at the northern property boundary, and vegetated with riparian vegetation in the streambed and transitioning to scrub on the side slopes. The CE was recorded in favor of the Elsinore-Murrieta-Anza RCD (now TEAM RCD), and included language consistent with Riverside County Flood Control (RCFC) maintenance requirements, including a 2-foot low flow channel within the 28-foot wide drainage bottom.

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### REPORT AREA I: LIST OF ALL HABITAT CREATION, RESTORATION, ENHANCEMENT, AND CONSERVATION PROJECT AREAS CURRENTLY BEING MANAGED BY PERMITTEE

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As holder of Grantee interest in the Adeline Farms conservation easement, TEAM RCD is required to ensure that the property contained within the CE be preserved in its natural condition and retain the conservation value that was defined. As noted in Section 1 of the CE under "COVENANTS, TERMS, CONDITIONS AND RESTRICTIONS", the purpose of the CE is to "ensure the Property will be retained forever in a natural condition and to prevent any use of the Property that will impair or interfere with the conservation values of the Property. Grantor intends that this Conservation Easement will confine the use of the Property to such activities, including without limitation, those involving the preservation and enhancement of native species and their habitat in a manner consistent with the habitat purposes of this Conservation Easement."

Conservation activities in the 2015, 2016, 2017 and 2018 calendar years took place throughout the Adeline Farms conservation easement, performed by TEAM RCD staff members and Santa Ana Watershed Association (SAWA) staff members.

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### REPORT AREA II: DESCRIPTION OF THE HABITAT RESTORATION, ENHANCEMENT, AND CONSERVATION ACTIVITIES PERFORMED WITHIN EACH PROJECT AREA

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The Adeline Farms conservation easement is comprised of a linear vegetated drainage, restored with mulefat scrub and serving as mitigation for the adjacent single family residential development. The drainage conveys storm flows and nuisance flows from the adjacent development, filtering pollutants as the water moves through the Santa Margarita watershed. The easement underwent a five-year build to establish vegetation independent of supplemental irrigation, and has since been conserved through annual monitoring activities performed by TEAM RCD. Photos were taken and a site assessment conducted on 12/19/16; however, no report was generated. In the 2015, 2017 and 2018 calendar years, conservation activities were performed within the site included the following:

**2015 Conservation Activities:** Tasks associated with site conservation were performed throughout the property. Vicki Long (Board president of then-EMARCD) and Dr. Rick Hopkins (Senior Conservation Biologist for Live Oak Associates, Inc.) conducted a single site visit on July 22, 2015 to observe the conditions of the easement area for the explicit purpose of determining whether or not the conditions as outlined in the CE are being followed. Observations included:

- 79-degree F temperature, light wind – wsw, 54% humidity, and partly cloudy skies.
- Site assessment notes included reference to an initial possible concern with source of easement flows as a vector for non-native species; however, in 2015, this was not observed to be problematic.
- Notes also specifically stated that the area is in excellent shape, no evidence of inappropriate access, dumping, planting of exotics, trash, etc.

**2017 Conservation Activities:** Tasks associated with site conservation were performed throughout the property. Dave McElroy (TEAMRCD) performed quarterly site visits on May 9, August 15, and October 15, 2017. SAWA biologists Nicole Housel (Biologist II) and Florence Chan (Biologist II) conducted a site visit on December 15, 2017 to document the condition of the easement area and to determine whether or not the conditions as outlined in the CE are being followed. Documentation in 2017 included the following observations:

- Native plant die-off (*Baccharis salicifolia*; *Salix* sp.) at east end of easement near Washington Street (Photo Point AF1).
- Non-native plant species observed in the easement area: *Tamarix ramosissima*, *Cortaderia selloana*, *Eucalyptus* sp, and *schinus molle*.
- A new culvert has been created at Photo Point AF3 and mulefat has been recently planted in the area. Machinery used in the new plantings left tracks in the easement
- Debris (brush) pile-up and old irrigation boxes, most likely left by landscapers
- Patchy vegetation documented throughout the easement

Actions taken: documentation of recommended actions including removal of documented invasive species and removal of site trash were included in the 2017 report covering annual work at Adeline Farms.

**2018 Conservation Activities:** SAWA biologist Nicole Housel (Biologist II) and Beatta Dalle (TEAM RCD volunteer) conducted a site visit on May 15, 2018 to document the condition of the easement area and to determine whether or not the conditions as outlined in the CE are being followed. Documentation in 2018 included the following observations:

- Multiple dead cottonwood trees (*Populus fremontii*), photo AF2
- Non-native species observed, including *tamarix ramosissima*, *Cortaderia selloana*, *Eucalyptus* spp, *Centaurea solstitialis*, *Schinus molle*
- Debris and old irrigation boxes observed on site; furniture observed on site
- Patchy vegetation

Actions taken: documentation of recommended actions including removal of documented invasive species and removal of site trash were included in the 2018 report covering annual work at Adeline Farms.

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### REPORT AREA III: CURRENT SITE CONDITIONS INCLUDING:

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**% survival, % cover, and height of both tree and shrub species planted/Methods used to access these parameters:** No field measurements were taken nor cover estimates made for vegetation, as this is not part of the monitoring requirements for the Adeline Farms CE.

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### REPORT AREA IV: NON NATIVE PLANT AND ANIMAL SPECIES REMOVAL

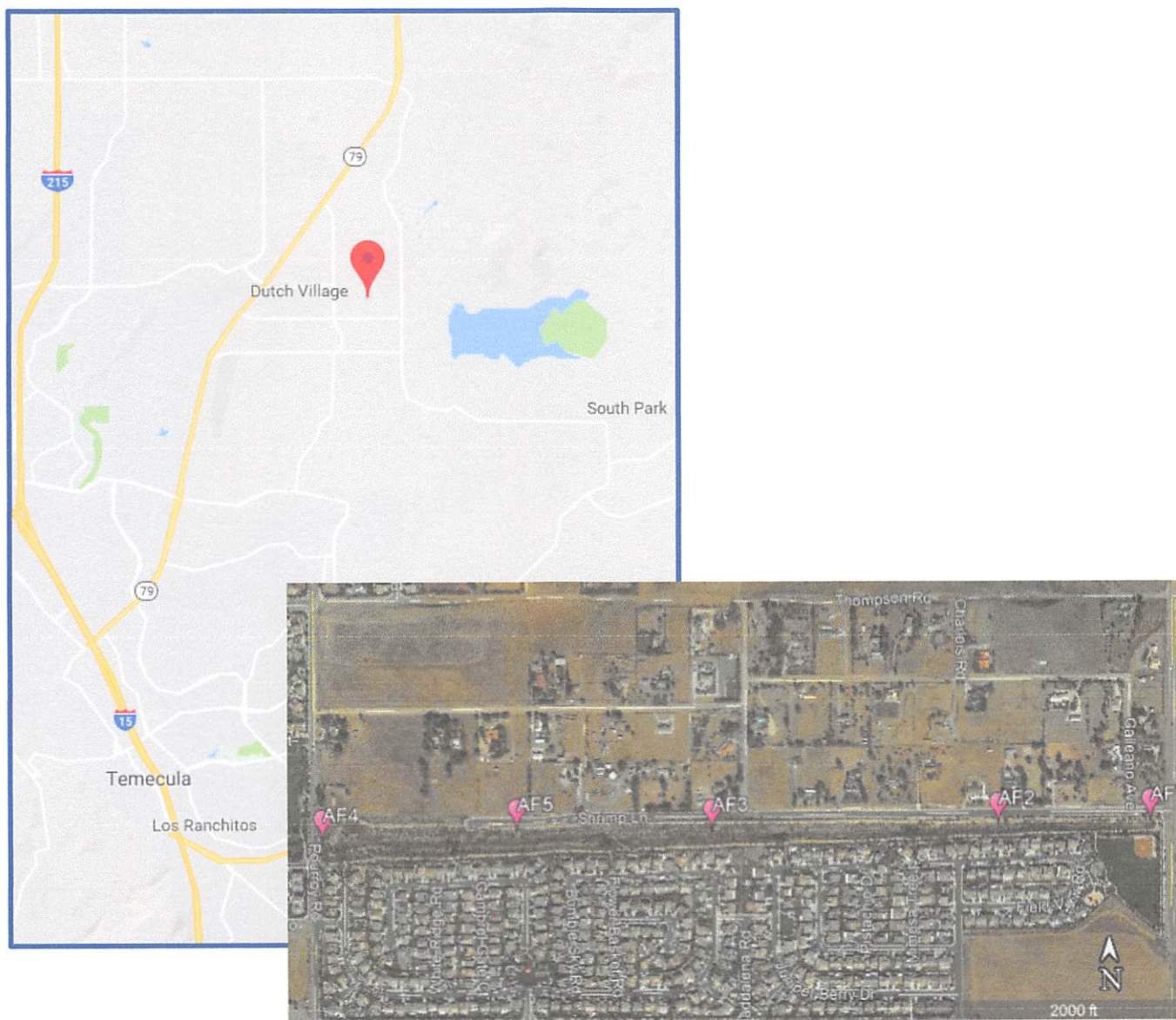
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No non-native plant/animal removal occurred within this site due to limits on available management funds and lack of requirement to engage in these activities as indicated in associated regulatory permits.

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### REPORT AREA V: MAP – ADELINE FARMS EASEMENT LOCATION AND PHOTO POINTS

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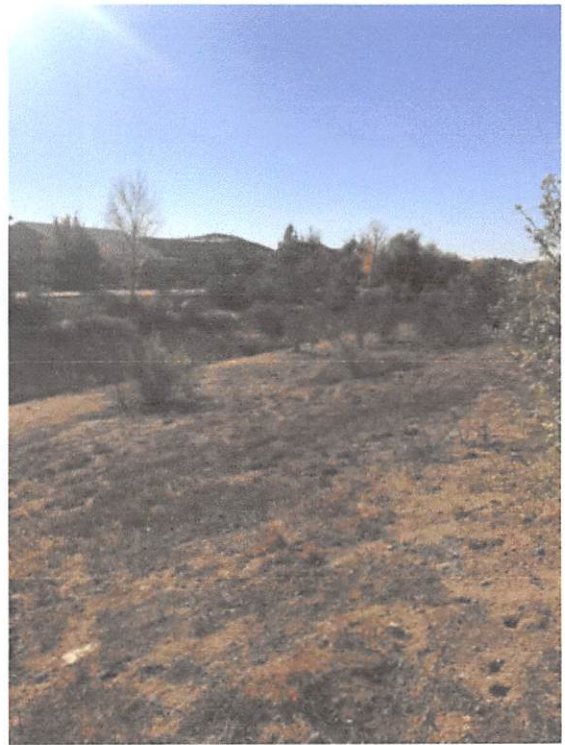


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## REPORT AREA VI: SITE PHOTOS

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Representative 2017 photos: (L) AF1/mulefat resprouting; (R) Sparse CE Vegetation



Representative 2018 Photos: (L) mulefat die-off; (R) non PP Photo showing dumped trash



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## PROJECT: GREER RANCH

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Permit Table		
United States Fish and Wildlife Service	BO	FWS-WRN-3059.1
United States Army Corps of Engineers	404	200000122 and 2001011313

### Project Summary:

The Greer Ranch Conservation Easement is approximately 267.98-A within Assessor Parcel Numbers 471-270-006 and 392-090-013, in the City of Murrieta and County of Riverside. The open space was set aside as mitigation for impacts from the Greer Ranch single-family residential development, intended to serve as buffer between the development and adjacent open space. The Greer Ranch conservation easement was conveyed to Elsinore-Murrieta-Anza RCD (now TEAM RCD) on March 27<sup>th</sup>, 2009.

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### REPORT AREA I: LIST OF ALL HABITAT CREATION, RESTORATION, ENHANCEMENT, AND CONSERVATION PROJECT AREAS CURRENTLY BEING MANAGED BY PERMITTEE

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As holder of Grantee interest in the Greer Ranch conservation easement, TEAM RCD is required to ensure that the property contained within the CE be preserved in its natural condition and retain the conservation value that was defined. As noted in Section 1 of the CE under "COVENANTS, TERMS, CONDITIONS AND RESTRICTIONS", the purpose of the CE is to "ensure the Property will be retained forever in a natural condition and to prevent any use of the Property that will impair or interfere with the conservation values of the Property. Grantor intends that this Conservation Easement will confine the use of the Property to such activities, including without limitation, those involving the preservation and enhancement of native species and their habitat in a manner consistent with the habitat purposes of this Conservation Easement."

Conservation activities in the 2015, 2016, 2017 and 2018 calendar years took place throughout the Greer Ranch conservation easement, performed by TEAM RCD staff members, Live Oak Associates staff members, and Santa Ana Watershed Association (SAWA) staff members.

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### REPORT AREA II: DESCRIPTION OF THE HABITAT RESTORATION, ENHANCEMENT, AND CONSERVATION ACTIVITIES PERFORMED WITHIN EACH PROJECT AREA

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The Greer Ranch conservation easement is comprised of multiple mixed habitats within the 693-home Greer Ranch development and the open space east of the development. Habitats created within the easement underwent five-year builds to establish vegetation independent of supplemental irrigation, and has since been conserved through annual monitoring activities performed by TEAM RCD. In the 2015, 2016, 2017 and 2018 calendar years, conservation activities were performed within the site included the following:

**2015 Conservation Activities:** Tasks associated with site conservation were performed throughout the property. Vicki Long (Board President, then-EMARCD) and Dr. Rick Hopkins (Senior Conservation Biologist, Live Oak Associates) performed a site assessment on July 22<sup>nd</sup>, 2015, to document the condition of the easement area and to determine whether or not the conditions as outlined in the CE are being followed. Documentation in 2015 included the following observations:

- Ms. Long and Dr. Hopkins recorded the weather as 93 degrees, clear skies, and light wind.
- The report also indicates that no alteration of the easement area was observed during the site, although there was trash indicated in the work area off of the Crabapple section of the easement

**Actions taken:**

- Greer Ranch HOA was informed of the need to keep easement areas free of trash when work is occurring within the Ranch property
- Dr. Hopkins also indicated need to follow up with the HOA on off-road activity at the end of Orchid Tree Land, following a conversation with the HOA indicated to have occurred in July of 2014.

**2016 Conservation Activities:** Tasks associated with site conservation were performed throughout the property, including a site assessment and photo documentation completed by SAWA biologists Allyson Beckman and Nicole Housel, and TEAM RCD employee Dave McElroy, including the following specific sections:

- **Downstream from Crabapple Street:**
  - Possible blockage in culvert at downstream end of easement, after spillway
  - Non-natives observed in easement area, including *Nicotiana glauca*; *Tamarix ramosissima*; *Cortaderia selloana*; *Salsola tragus*; *Schinus molle*
  - Lack of CE indicator signs
  - One beaver (*Castor canadensis*) was spotted and associated damage to nearby tree was photo documented
- **Crabapple Street to Pumpkin Street:**
  - Non-native plant species observed (*Schinus molle*; *Brassica spp*; *Tamarix sp*)
  - No CE indicator signs
- **Pumpkin Street to Bottlebrush Way**
  - Non-natives species observed (*Cortaderia selloana*)
  - No CE indicator signs
- **N of Intersection of Treefoil and Bent Grass Ave**
  - No CE Indicator signs
- **Bottlebrush Way Near Fern Pine Way:**
  - Non-native species observed (*Tamarix spp.*)
- **Evandel Rd (Near Iceplant Way)**
  - Non-native species observed (*Tamarix spp.*)
- **Greer Road (from Pabesu Rd to Nutmeg Street)**
  - Non-natives observed in easement area, including *Nicotiana glauca*; *Tamarix ramosissima*; *Schinus molle*
  - Blockage of water conveyance structures near Nutmeg Street, causing pooling of water in easement area
  - Damage to fencing at Nutmeg Street

**Actions taken:**

- Greer Ranch HOA was informed of the blockage along Greer Road, near nutmeg Street
- TEAM RCD Board President Rose Corona provided a copy of the 2016 annual report to Greer Ranch HOA President Billie Smith, in addition to requesting a TEAM RCD – Greer Ranch HOW meeting to review easement requirements and considerations.

- SAWA recommended installation of CE signs and removal of invasives to the extent that funding is available, recognizing that these are not required actions within the easement terms and therefor may not be funded.

**2017 Conservation Activities:** Tasks associated with site conservation were performed throughout the property. Site visits were performed by Dave McElroy (TEAM RCD) on May 9, August 15, and October 15, 2017. SAWA biologists Nicole Housel (Biologist II) and Florence Chan (Biologist II) conducted a site visit on December 15, 2017 to document the condition of the easement areas and to determine whether or not the conditions as outlined in the CE are being followed. Specific observations included:

- **Crabapple Street to Pumpkin Street:**
  - Non-native plant species observed in the easement area: *Schinus molle*; *Tamarix spp*; *Brassica spp*
  - No signs or other notifications saying "Natural Area Open Space," "Protected Natural Area," or similar descriptions.
  - Debris (brush) piles, landscaping soils, and lime likely left by landscapers in the habitat
- **Pumpkin Street to Bottlebrush Way**
  - Non-native plant species observed in the easement area: *Cortaderia selloana*
  - No signs or other notifications saying "Natural Area Open Space," "Protected Natural Area," or similar descriptions.
- **Easement area north of intersection of Treefoil Street/Bent Grass Avenue:**
  - No signs or other notifications saying "Natural Area Open Space," "Protected Natural Area," or similar descriptions.
- **Bottlebrush Way near Fern Pine Way:**
  - Non-native plant species observed in the easement area: Tamarisk.
- **Evangel Road (by Iceplant Lane):**
  - Non-native plant species observed in the easement area: Tamarisk
- **Greer Road (from Pabesu Road to Nutmeg Street):**
  - Non-native plant species observed in the easement area: *Schinus molle*; *Tamarix spp*; *Nicotiana glauca*
  - Landscaping plants along the slope have begun to encroach into the riparian habitat
  - Blockage of pipes downstream near Nutmeg Street appears to be causing inundation of willows and other native species
  - Evidence of beaver observed in the area

**Actions Taken:**

- SAWA recommended installation of CE signs and removal of invasives to the extent that funding is available, recognizing that these are not required actions within the easement terms and therefor may not be funded.
- Debris piles, landscaping soils, and other refuse should be removed;
- Culverts should be cleared of debris to allow water to drain downstream.

**2018 Conservation Activities:** Tasks associated with site conservation were performed throughout the property. Site visits were performed by Beata Dale (TEAM RCD) and Nicole Housel (SAWA) on May 15<sup>th</sup>, 2018; then by Nicole Housel and PJ Falatek on September 27<sup>th</sup> and November 27<sup>th</sup>, 2018. Specific observations included:

- *Downstream from Crabapple Street:*
  - Possible blockage in culvert at downstream end of easement, after spillway
  - Non-natives observed in easement area, including *Nicotiana glauca*; *Tamarix ramosissima*; *Cortaderia selloana*; *Centaurea solstitialis*; *Schinus molle*
  - Pet exclusion fencing missing from western edge of easement
- *Crabapple Street to Pumpkin Street:*
  - Non-native plant species observed in the easement area: *Schinus molle*; *Tamarix spp*; *Brassica spp*
  - Debris (brush) piles, landscaping soils, and lime likely left by landscapers in the habitat
- *Pumpkin Street to Bottlebrush Way*
  - Non-native plant species observed in the easement area: *Cortaderia selloana*
- *Easement area north of intersection of Treefoil Street/Bent Grass Avenue:*
  - No signs or other notifications saying "Natural Area Open Space," "Protected Natural Area," or similar descriptions.
- *Easement area at W End of Bottlebrush Lane:*
  - Dead fig tree planted in easement area
- *Bottlebrush Way Near Fern Pine Way*
  - Non-native plant species observed in the easement area: Tamarisk
  - Wild grape encroaching on easement area from adjacent yard
  - Debris piles left by landscaper
  - Accumulation of illegally dumped trash
- *Greer Road (from Pabesu Road to Nutmeg Street):*
  - Non-native plant species observed in the easement area: *Tamarix spp*; *Nicotiana glauca*; *Schinus molle*
  - Landscaping plants along the slope have begun to encroach into the riparian habitat
  - Oak trees dying within the CE

#### Actions Taken:

- SAWA recommended installation of CE signs and removal of invasives to the extent that funding is available, recognizing that these are not required actions within the easement terms and therefore may not be funded.
- Debris piles, landscaping soils, and other refuse should be removed;
- Culverts should be cleared of debris to allow water to drain downstream.
- Dead oaks should be assessed/evaluated

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### REPORT AREA III: CURRENT SITE CONDITIONS INCLUDING:

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**% survival, % cover, and height of both tree and shrub species planted/Methods used to access these parameters:** No field measurements were taken nor cover estimates made for vegetation, as this is not part of the monitoring requirements for the Greer Ranch CE.

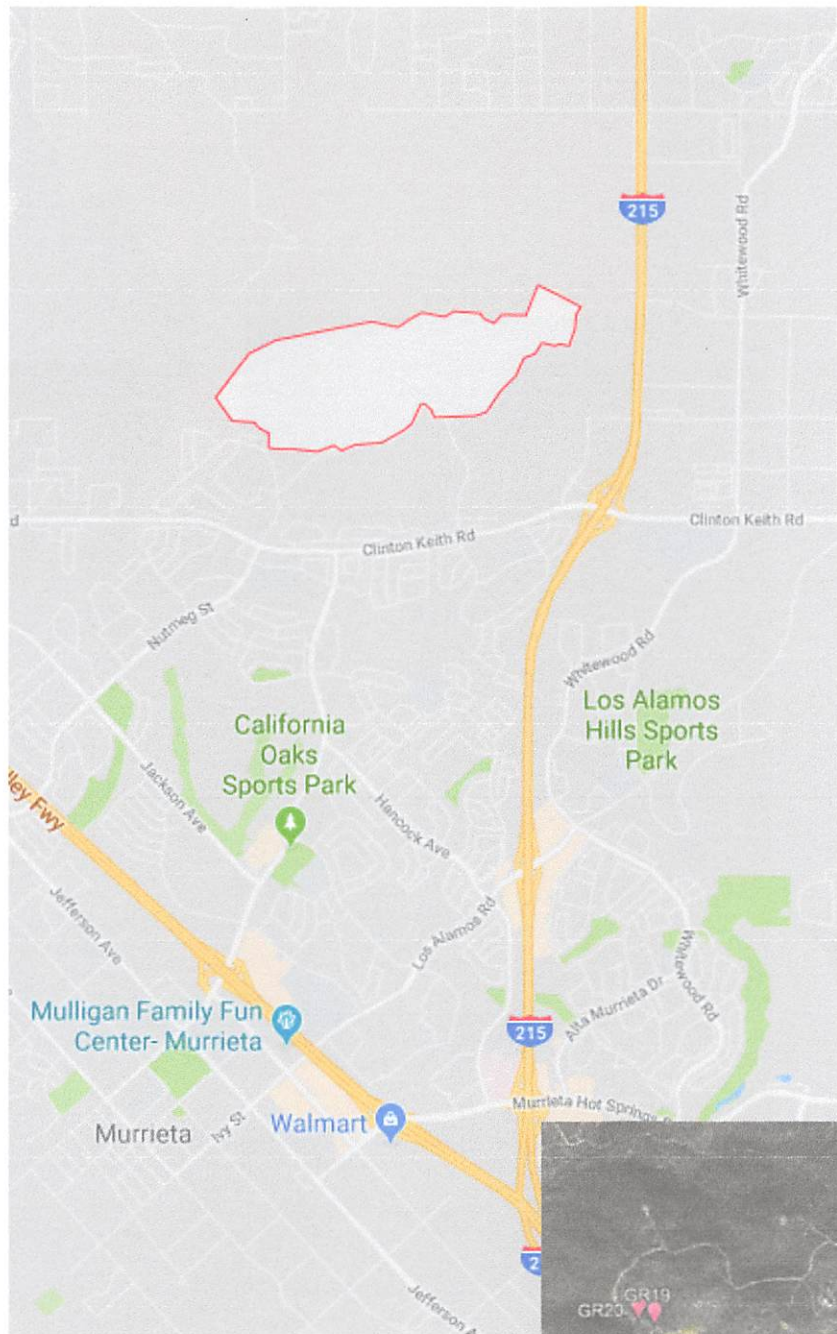
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### REPORT AREA IV: NON NATIVE PLANT AND ANIMAL SPECIES REMOVAL

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No non-native plant/animal removal occurred within this site due to limits on available management funds and lack of requirement to engage in these activities as indicated in associated regulatory permits.

## REPORT AREA V: GREER RANCH LOCATION MAP AND PHOTO POINTS



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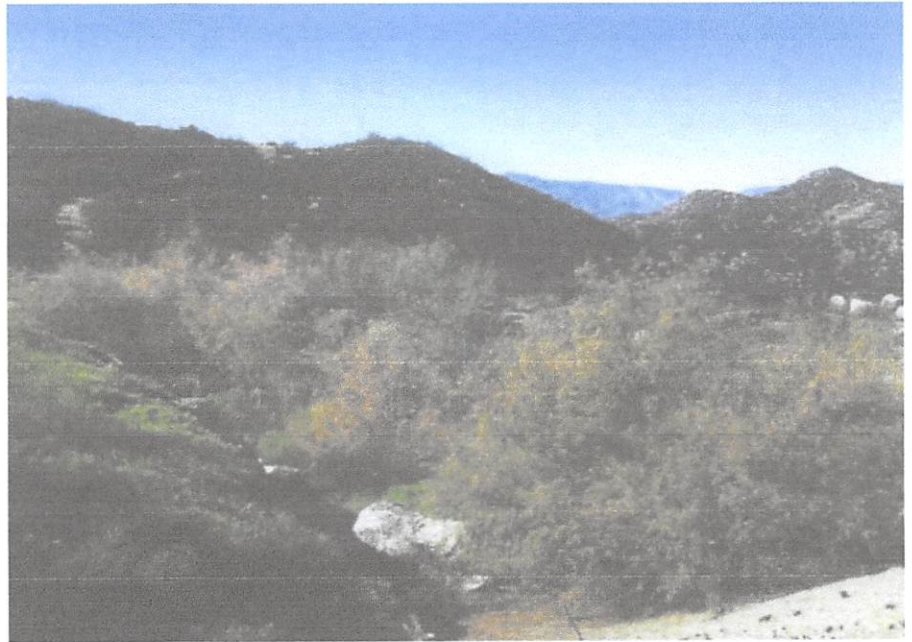
## REPORT AREA VI: REPRESENTATIVE PHOTOS

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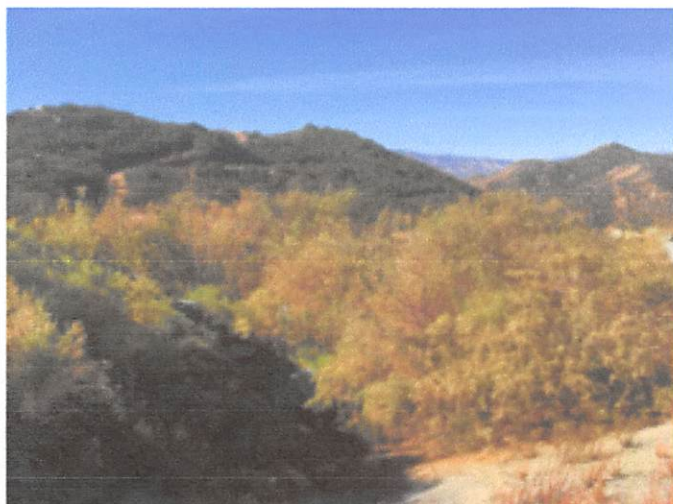
**2015 Photos:** (L) Pumpkin Street riparian scrub; (R) Vegetation die-off at Crabapple Street



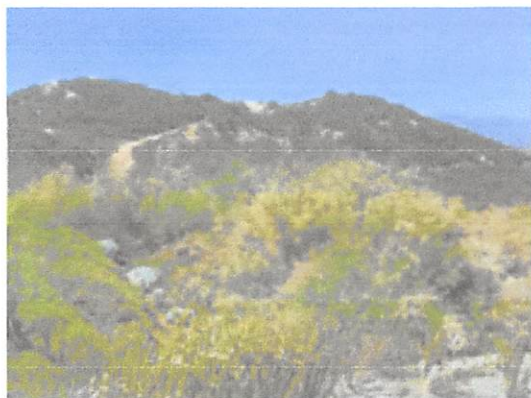
**2016 Photos:** (L): tree damage from beaver; (R) *Tamarix spp.* visible at Evandel Rd/Iceplant Lane



**2017 Representative Photos:** (L) *Tamarix spp.* at Evandel Rd/Iceplant Lane; (R) Greer Rd near Pabesu Rd intersection



**2018 Representative Photos:** (L) *Tamarix spp.* at Evandel Rd/Iceplant Lane; (R) Greer Rd near Pabesu Rd intersection



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## PROJECT: RCFCWCD PROJECTS - PALOMAR-CORYDON CHANNELS

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Permit Table		
TEAMRCD	Streambed Alteration Agreement	1600-2012-0014-R6

RCFCWCD Projects Summary: In early 2018, TEAM RCD began discussions with the Riverside County Flood Control and Water Conservation District (RCFCWCD) regarding the potential to enter into a Memorandum of Understanding, memorializing collaboration on vegetation maintenance within 11 sites managed by the Flood Control District. Following TEAM RCD – RCFCWCD discussions, TEAM received initial concurrence on the collaboration from the California Department of Fish and Wildlife (CDFW). Following this initial concurrence, TEAM RCD worked with staff members from the Santa Ana Watershed Association (SAWA) to conceptualize next steps should TEAM RCD elect to contract SAWA for performance of work defined in the MOU to be done on behalf of RCFCWCD properties under TEAM's Streambed Alteration Agreement.

In August of 2018, the TEAM RCD Board of Directors discussed the MOU and elected to authorized Board President Rose Corona to enter into the agreement with RCFCWCD. Under the terms of the MOU, TEAM RCD would operate under its Streambed Alteration Agreement to provide maintenance across eleven sites, to be addressed according to CDFW order of importance. Funding would go toward removals, biological monitoring, administrative tasks, and reporting. The final MOU was executed on Oct.30, 2018. TEAM RCD directly hired SAWA to perform removals using the executed MOU to ensure coverage of maintenance activities.

This project covers work performed at the Palomar-Corydon Channel under the executed TEAM RCD - RCFCWCD MOU. The Palomar-Corydon Channel site located near the intersection of Palomar Street and Old Coach Road in the City of Lake Elsinore. Of the 3.67-A total, .22-A is infested with salt cedar (*Tamarix spp.*) in need of maintenance.

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### REPORT AREA I: LIST OF ALL HABITAT CREATION, RESTORATION, ENHANCEMENT, AND CONSERVATION PROJECT AREAS CURRENTLY BEING MANAGED BY PERMITTEE

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Conservation and enhancement activities in the 2018 calendar year took place throughout the full Palomar-Corydon channel segment identified in the Scope of Work accompanying the TEAM RCD – RCFCWCD MOU.

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### REPORT AREA II: DESCRIPTION OF THE HABITAT RESTORATION, ENHANCEMENT, AND CONSERVATION ACTIVITIES PERFORMED WITHIN EACH PROJECT AREA

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**Conservation Activities:** a full site assessment was conducted on an undisclosed date as part of channel assessment in preparation for maintenance activities. During the site assessment, composition of site vegetation was recorded to include the following:

Palomar - Corydon Species List		
Site Vegetation - Native Species		
Scientific Name	Common Name	% Cover
<i>Baccharis salicifolia</i>	mulefat	1 - 5%
<i>Datura stramonium</i>	jimson weed	<1%
<i>Pluchea sericea</i>	arrow weed	1 - 5%
<i>Salix lasiolepis</i>	arroyo willow	5 - 15%
<i>Scirpus spp</i>	bulrush	1 - 5%
<i>Typha latifolia</i>	common cattail	25 - 50%
<i>Urtica dioica</i>	hoary nettle	1 - 5%
Site Vegetation - Invasive Species		
Scientific Name	Common Name	% Cover
<i>Brassica spp</i>	mustard	1 - 5%
<i>Centaurea melitensis</i>	toalote	<1%
<i>Hordeum mirnium</i>	mouse barley	<1%
<i>Nicotiana glauca</i>	tree tobacco	<1%
<i>Ricinus communis</i>	castorbean	<1%
<i>Salsola tragus</i>	Russian thistle	<1%
<i>Sanctus oleraceus</i>	sow thistle	1 - 5%
<i>Tamarix spp.</i>	Salt cedar	5%

**Enhancement Activities:** The full 3.67-A was treated, using

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#### REPORT AREA III: CURRENT SITE CONDITIONS INCLUDING:

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**% survival, % cover, and height of both tree and shrub species planted/Methods used to access these parameters:** No species were installed as part of the Palomar-Corydon removals.

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#### REPORT AREA IV: NON-NATIVE PLANT AND ANIMAL SPECIES REMOVAL

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**Methods Used for Removal:** 128 oz of Garlon 3A, 26 oz of Garlon 4 Ultra, and 154 oz of Competitor to treat .22-A of *Tamarix spp* were used in a cut-stump application.

**Amount Removed/Treated:** .22-A

**Frequency/Timing of Treatment:** one treatment was completed in calendar year 2018, scheduled to occur outside of nesting season to minimize impact on covered species.

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#### REPORT AREA V: WILDLIFE

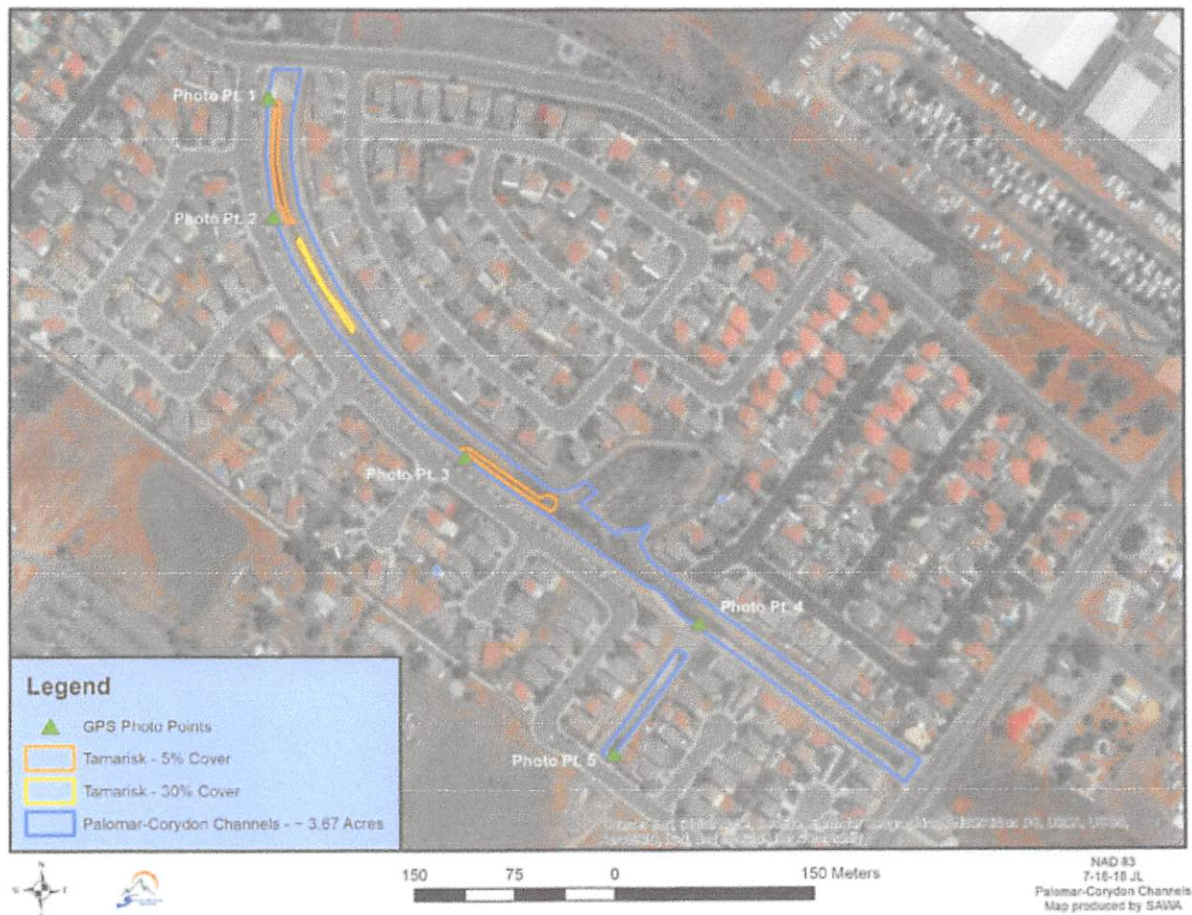
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Palomar - Corydon Wildlife	
Scientific Name	Common Name
<i>Accipiter cooperii</i>	Cooper's hawk
<i>Agelaius phoeniceus</i>	red-winged blackbird
<i>Ardea alioa</i>	great egret
<i>Calypte costae</i>	Costa's hummingbird

<i>Charadrius vociferous</i>	kildeer
<i>Corvus brachyrhynchos</i>	American crow
<i>Geothlypis trichas</i>	common yellowthroat
<i>Haemorhous mexicanus</i>	house finch
<i>Melodia melospiza</i>	song sparrow
<i>Sayornis nigricans</i>	black phoebe
<i>Zenaida macroura</i>	mourning dove

## REPORT AREA 6: PROJECT MAPS

### Palomar-Corydon Channels



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## PALOMAR-CORYDON REPRESENTATIVE PHOTOS

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Photo Point 1:



Photo Point 2:



Photo Point 3:



Photo Point 4:



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## PROJECT: RCFCWCD PROJECTS – HELASH MITIGATION SITE

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Permit Table		
TEAMRCD	Streambed Alteration Agreement	1600-2012-0014-R6

RCFCWCD Projects Summary: In early 2018, TEAM RCD began discussions with the Riverside County Flood Control and Water Conservation District (RCFCWCD) regarding the potential to enter into a Memorandum of Understanding, memorializing collaboration on vegetation maintenance within 11 sites managed by the Flood Control District. Following TEAM RCD – RCFCWCD discussions, TEAM received initial concurrence on the collaboration from the California Department of Fish and Wildlife (CDFW). Following this initial concurrence, TEAM RCD worked with staff members from the Santa Ana Watershed Association (SAWA) to conceptualize next steps should TEAM RCD elect to contract SAWA for performance of work defined in the MOU to be done on behalf of RCFCWCD properties under TEAM's Streambed Alteration Agreement.

In August of 2018, the TEAM RCD Board of Directors discussed the MOU and elected to authorized Board President Rose Corona to enter into the agreement with RCFCWCD. Under the terms of the MOU, TEAM RCD would operate under its Streambed Alteration Agreement to provide maintenance across eleven sites, to be addressed according to CDFW order of importance. Funding would go toward removals, biological monitoring, administrative tasks, and reporting. The final MOU was executed on Oct. 30, 2018. TEAM RCD directly hired SAWA to perform removals using the executed MOU to ensure coverage of maintenance activities.

This project covers work performed at the Helash Maintenance Site under the executed TEAM RCD - RCFCWCD MOU. The site is located along a RCFCWCD channel, near the intersection of Clinton Keith Road and Grand Ave in the City of Wildomar. Of the 10.95-A total, .55-A is infested with salt cedar (*Tamarix spp.*), .63-A of *Eucalyptus spp.*, and .17-A of mixed mustard (*Brassica spp.*) and bull thistle (*Cirsium vulgare*), collectively in need of maintenance.

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### REPORT AREA I: LIST OF ALL HABITAT CREATION, RESTORATION, ENHANCEMENT, AND CONSERVATION PROJECT AREAS CURRENTLY BEING MANAGED BY PERMITTEE

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Conservation and enhancement activities in the 2018 calendar year took place throughout the full Helash Mitigation Site segment identified in the Scope of Work accompanying the TEAM RCD – RCFCWCD MOU.

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### REPORT AREA II: DESCRIPTION OF THE HABITAT RESTORATION, ENHANCEMENT, AND CONSERVATION ACTIVITIES PERFORMED WITHIN EACH PROJECT AREA

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**Conservation Activities:** a full site assessment was conducted on an undisclosed date as part of site assessment in preparation for maintenance activities. During the site assessment, composition of site vegetation was recorded to include the following:

Helash Species List		
Site Vegetation - Native Species		
Scientific Name	Common Name	% Cover
<i>Ambrosia artemisiifolia</i>	common ragweed	<1%
<i>Amsinckia menziesii</i>	common fiddleneck	<1%
<i>Baccharis salicifolia</i>	mulefat	5 - 15%
<i>Datura stramonium</i>	jimson weed	<1%
<i>Eriogonum fasciculatum</i>	California buckwheat	<1%
<i>Helianthus annuus</i>	common sunflower	<1%
<i>Oenothera biennis</i>	evening primrose	<1%
<i>Populus fremontii</i>	cottonwood	1 - 5%
<i>Salix lasiolepis</i>	arroyo willow	5 - 15%
<i>Sambucus nigra</i>	Black elderberry	<1%
<i>Schoenoplectus californicus</i>	California bulrush	5 - 15%
<i>Typha latifolia</i>	common cattail	1 - 5%
<i>Urtica dioica</i>	hoary nettle	<1%
<i>Xanthium strumarium</i>	cocklebur	<1%
Site Vegetation - Invasive Species		
Scientific Name	Common Name	% Cover
<i>Brassica spp</i>	mustard	<1%
<i>Centaurea melitensis</i>	toalote	<1%
<i>Cirsium vulgare</i>	bull thistle	<1%
<i>Eucalyptus spp</i>	eucalyptus	5%
<i>Ficus carica</i>	common fig	<1%
<i>Hordeum mirnium</i>	mouse barley	1 - 5%
<i>Lactuca virosa</i>	wild lettuce	<1%
<i>Melilotus albus</i>	sweet clover	1 - 5%
<i>Sanctus oleraceus</i>	sow thistle	<1%
<i>Tamarix spp.</i>	Salt cedar	1 - 5%

**Enhancement Activities:** The full project area was treated on dates including 11/5/18, 11/6/18, 11/7/18, and 11/8/18. A total of 331.5 hours were spend on project enhancement activities.

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#### REPORT AREA III: CURRENT SITE CONDITIONS INCLUDING:

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**% survival, % cover, and height of both tree and shrub species planted/Methods used to access these parameters:** No species were installed as part of the Helash Mitigation Project removals.

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#### REPORT AREA IV: NON-NATIVE PLANT AND ANIMAL SPECIES REMOVAL

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**Methods Used for Removal:** 461 oz of Garlon 3A, 26 oz of Garlon 4 Ultra, 487 oz of Competitor, 57 ounces of Rodeo, 28 ounces of Agri-Dex, and 14 ounces of Quest were used in a cut-stump and foliar spray application.

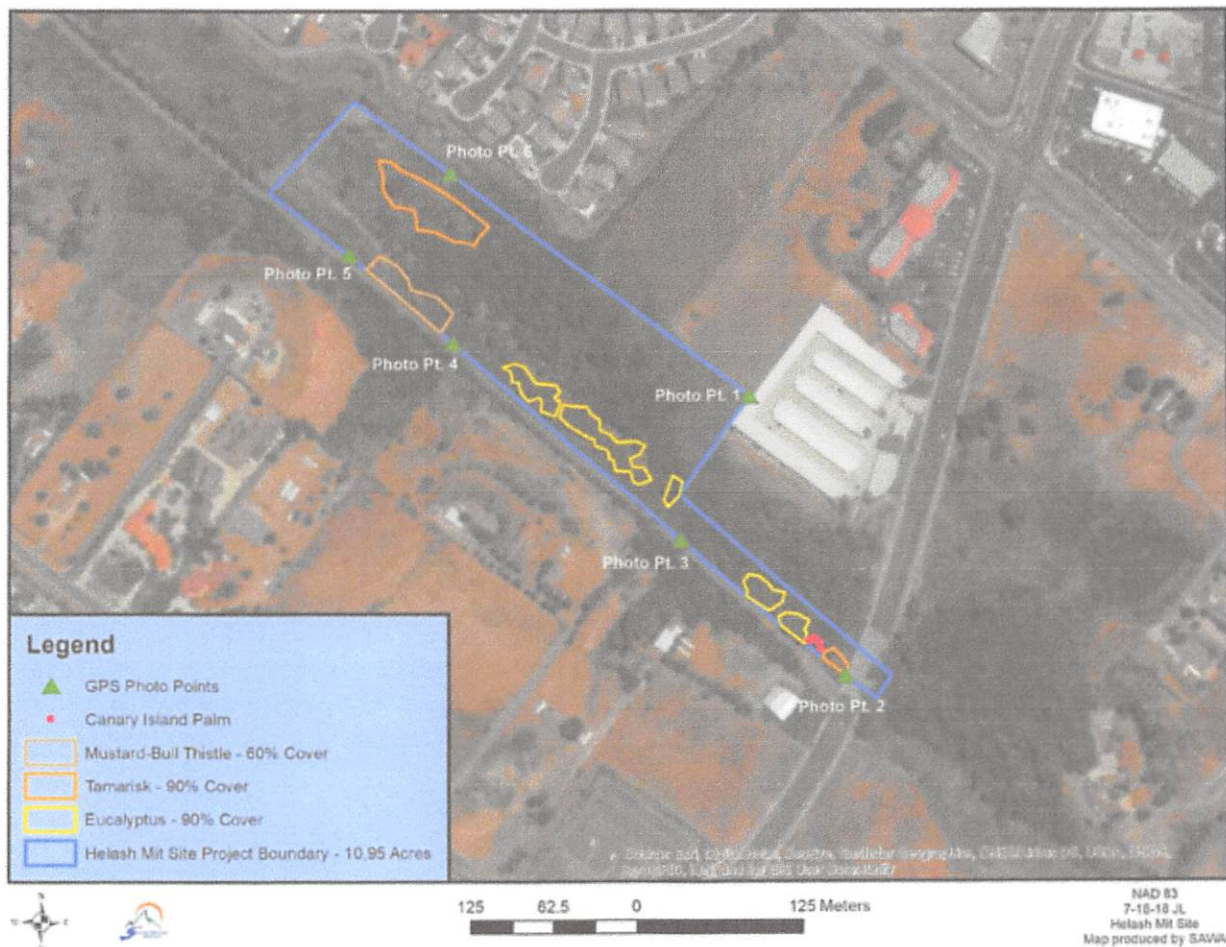
**Amount Removed/Treated:** 1.35 -A

**Frequency/Timing of Treatment:** four treatment days were completed in calendar year 2018, scheduled to occur outside of nesting season to minimize impact on covered species.

## REPORT AREA V: WILDLIFE

Helash Wildlife	
Scientific Name	Common Name
<i>Agelaius phoeniceus</i>	red-winged blackbird
<i>Corvus brachyrhynchos</i>	American crow
<i>Haemorhous mexicanus</i>	house finch
<i>Melodia melospiza</i>	song sparrow
<i>Pipilo maculatus</i>	spotted towhee
<i>Psaltiriparus minimus</i>	bushtit
<i>Spinus saltria</i>	lesser goldfinch
<i>Vireo bellii pusillus</i>	least Bell's vireo
<i>Zenaida macroura</i>	mourning dove

## REPORT AREA VI: TREATMENT MAP



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## REPORT AREA VII: REPRESENTATIVE PHOTOS

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## PROJECT: RCFCWCD PROJECTS – MURRIETA CREEK LINE F

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Permit Table		
TEAMRCD	Streambed Alteration Agreement	1600-2012-0014-R6

RCFCWCD Projects Summary: In early 2018, TEAM RCD began discussions with the Riverside County Flood Control and Water Conservation District (RCFCWCD) regarding the potential to enter into a Memorandum of Understanding, memorializing collaboration on vegetation maintenance within 11 sites managed by the Flood Control District. Following TEAM RCD – RCFCWCD discussions, TEAM received initial concurrence on the collaboration from the California Department of Fish and Wildlife (CDFW). Following this initial concurrence, TEAM RCD worked with staff members from the Santa Ana Watershed Association (SAWA) to conceptualize next steps should TEAM RCD elect to contract SAWA for performance of work defined in the MOU to be done on behalf of RCFCWCD properties under TEAM's Streambed Alteration Agreement.

In August of 2018, the TEAM RCD Board of Directors discussed the MOU and elected to authorized Board President Rose Corona to enter into the agreement with RCFCWCD. Under the terms of the MOU, TEAM RCD would operate under its Streambed Alteration Agreement to provide maintenance across eleven sites, to be addressed according to CDFW order of importance. Funding would go toward removals, biological monitoring, administrative tasks, and reporting. The final MOU was executed on Oct. 30, 2018. TEAM RCD directly hired SAWA to perform removals using the executed MOU to ensure coverage of maintenance activities.

This project covers work performed at the Murrieta Creek Line F Site under the executed TEAM RCD - RCFCWCD MOU. The site is located along a RCFCWCD channel, near the intersection of Kalmia Street and Washington Ave in the City of Murrieta. Of the 1.12-A total, .07-A infested with salt cedar (*Tamarix spp.*) in need of maintenance.

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### REPORT AREA I: LIST OF ALL HABITAT CREATION, RESTORATION, ENHANCEMENT, AND CONSERVATION PROJECT AREAS CURRENTLY BEING MANAGED BY PERMITTEE

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Conservation and enhancement activities in the 2018 calendar year took place throughout the full Murrieta Creek Line F Site segment identified in the Scope of Work accompanying the TEAM RCD – RCFCWCD MOU.

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### REPORT AREA II: DESCRIPTION OF THE HABITAT RESTORATION, ENHANCEMENT, AND CONSERVATION ACTIVITIES PERFORMED WITHIN EACH PROJECT AREA

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**Conservation Activities:** a full site assessment was conducted on an undisclosed date as part of site assessment in preparation for maintenance activities. During the site assessment, composition of site vegetation was recorded to include the following:

Murrieta Creek Line F Species List		
Site Vegetation - Native Species		
Scientific Name	Common Name	% Cover
<i>Artemisia douglasiana</i>	mugwort	<1%
<i>Baccharis salicifolia</i>	mulefat	5 - 15%
<i>Datura stramonium</i>	jimson weed	<1%
<i>Plantago erecta</i>	California plantain	<1%
<i>Populus fremontii</i>	cottonwood	1 - 5%
<i>Quercus agrifolia</i>	coast live oak	<1%
<i>Salix lasiolepis</i>	arroyo willow	5 - 15%
<i>Typha latifolia</i>	common cattail	1 - 5%
<i>Urtica dioica</i>	hoary nettle	<1%
Site Vegetation - Invasive Species		
Scientific Name	Common Name	% Cover
<i>Brassica spp</i>	mustard	1 - 5%
<i>Eucalyptus spp</i>	eucalyptus	1 - 5%
<i>Salsola tragus</i>	Russian thistle	<1%
<i>Tamarix spp.</i>	Salt cedar	5 - 15%

**Enhancement Activities:** The full project area was treated on 12/11/18. A total of 32.75 hours were spend on project enhancement activities.

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#### REPORT AREA III: CURRENT SITE CONDITIONS INCLUDING:

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**% survival, % cover, and height of both tree and shrub species planted/Methods used to access these parameters:** No species were installed as part of the Murrieta Creek Line F Mitigation Project removals.

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#### REPORT AREA IV: NON-NATIVE PLANT AND ANIMAL SPECIES REMOVAL

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**Methods Used for Removal:** 26 oz of Garlon 3A and 26 oz of Competitor were used in a cut-stump application.

**Amount Removed/Treated:** .07 -A

**Frequency/Timing of Treatment:** one treatment day was completed in calendar year 2018, scheduled to occur outside of nesting season to minimize impact on covered species.

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#### REPORT AREA V: WILDLIFE

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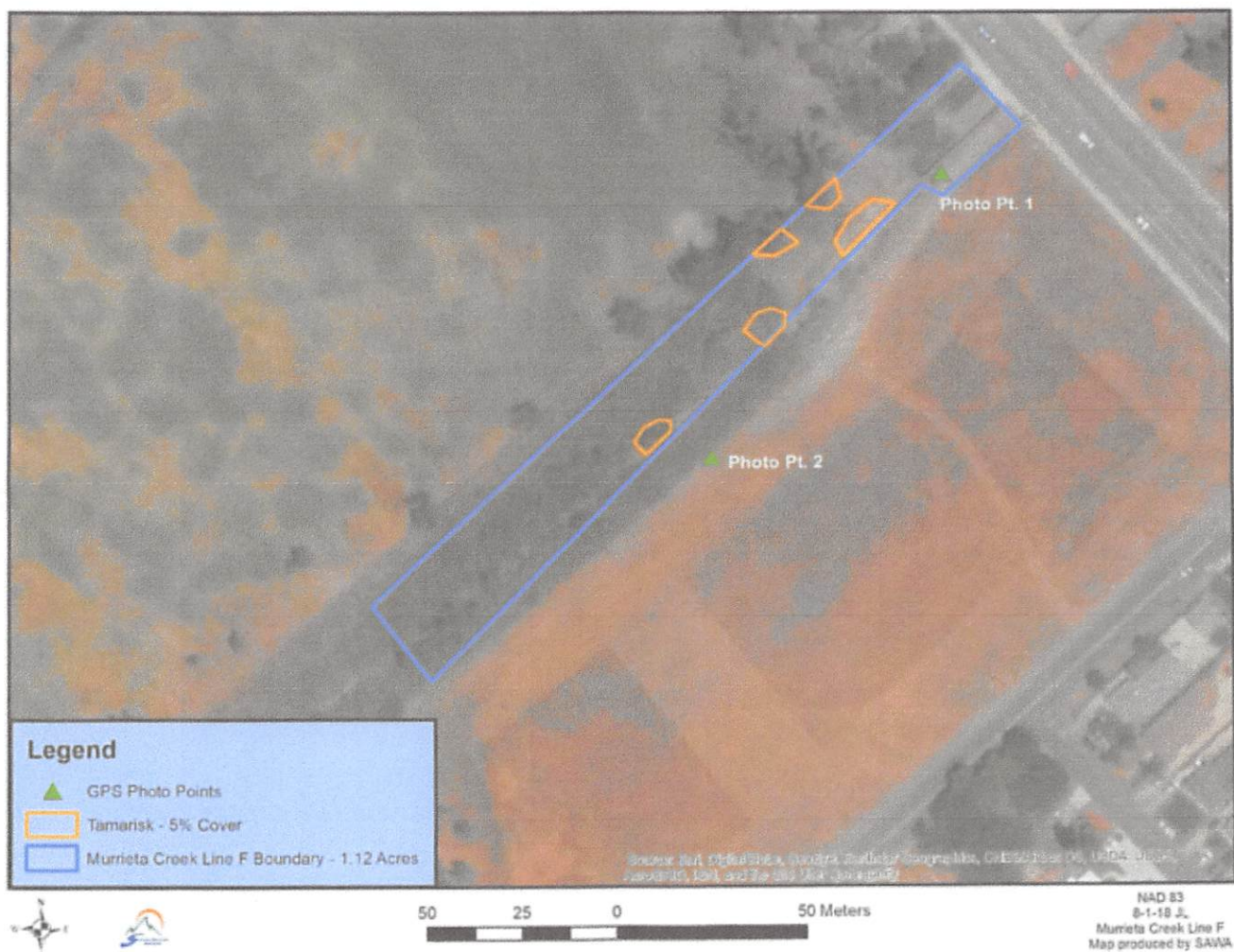
Murrieta Creek Line F Wildlife	
Site Vegetation - Native Species	
Scientific Name	Common Name
<i>Buteo jamaicensis</i>	red tailed hawk
<i>Empidonax trailii</i>	willow flycatcher
<i>Geothlypis trichas</i>	common yellowthroat

<i>Haemorhous mexicanus</i>	house finch
<i>Melodia melospiza</i>	song sparrow
<i>Molothrus ater</i>	brown-headed cowbird (Invasive)
<i>Pipilo maculatus</i>	spotted towhee
<i>Psaltiriparus minimus</i>	bushtit
<i>Spinus saltria</i>	lesser goldfinch
<i>Tyrannus verticalis</i>	western kingbird

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## REPORT AREA VI: TREATMENT MAP

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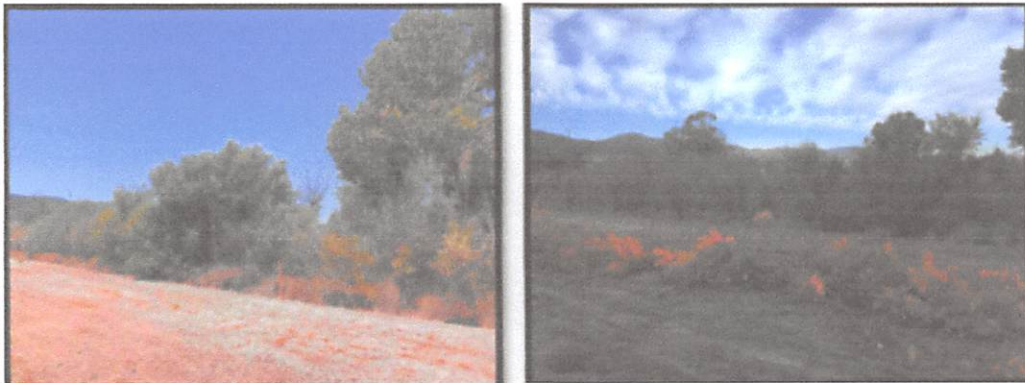
## REPORT AREA VII: REPRESENTATIVE PHOTOS

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Photo Point 1



Photo Point 2



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## PROJECT: RCFCWCD PROJECTS – TUCALOTA CREEK 1/2

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Permit Table		
TEAMRCD	Streambed Alteration Agreement	1600-2012-0014-R6

RCFCWCD Projects Summary: In early 2018, TEAM RCD began discussions with the Riverside County Flood Control and Water Conservation District (RCFCWCD) regarding the potential to enter into a Memorandum of Understanding, memorializing collaboration on vegetation maintenance within 11 sites managed by the Flood Control District. Following TEAM RCD – RCFCWCD discussions, TEAM received initial concurrence on the collaboration from the California Department of Fish and Wildlife (CDFW). Following this initial concurrence, TEAM RCD worked with staff members from the Santa Ana Watershed Association (SAWA) to conceptualize next steps should TEAM RCD elect to contract SAWA for performance of work defined in the MOU to be done on behalf of RCFCWCD properties under TEAM's Streambed Alteration Agreement.

In August of 2018, the TEAM RCD Board of Directors discussed the MOU and elected to authorized Board President Rose Corona to enter into the agreement with RCFCWCD. Under the terms of the MOU, TEAM RCD would operate under its Streambed Alteration Agreement to provide maintenance across eleven sites, to be addressed according to CDFW order of importance. Funding would go toward removals, biological monitoring, administrative tasks, and reporting. The final MOU was executed on Oct. 30, 2018. TEAM RCD directly hired SAWA to perform removals using the executed MOU to ensure coverage of maintenance activities.

This project covers work performed at the Tucalota Creek 1&2 Site under the executed TEAM RCD - RCFCWCD MOU. The site is located along a RCFCWCD channel, near the intersection of Murrieta Hot Springs Road and Winchester Road in the City of Murrieta. Of the 6.6-A total, .11-A infested with salt cedar (*Tamarix spp.*) in need of maintenance.

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### REPORT AREA I: LIST OF ALL HABITAT CREATION, RESTORATION, ENHANCEMENT, AND CONSERVATION PROJECT AREAS CURRENTLY BEING MANAGED BY PERMITTEE

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Conservation and enhancement activities in the 2018 calendar year took place throughout the full Tucalota Creek 1&2 Site identified in the Scope of Work accompanying the TEAM RCD – RCFCWCD MOU.

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### REPORT AREA II: DESCRIPTION OF THE HABITAT RESTORATION, ENHANCEMENT, AND CONSERVATION ACTIVITIES PERFORMED WITHIN EACH PROJECT AREA

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**Conservation Activities:** a full site assessment was conducted on an undisclosed date as part of site assessment in preparation for maintenance activities. During the site assessment, composition of site vegetation was recorded to include the following:

Tucalota Creek 1&2 Species List		
Site Vegetation - Native Species		
Scientific Name	Common Name	% Cover
<i>Baccharis salicifolia</i>	mulefat	1 - 5%
<i>Populus fremontii</i>	cottonwood	<1%
<i>Salix lasiolepis</i>	arroyo willow	5 - 15%
<i>Schoenoplectus californicus</i>	California bulrush	5 - 15%
<i>Typha latifolia</i>	common cattail	15 - 25%
Site Vegetation - Invasive Species		
Scientific Name	Common Name	% Cover
<i>Hordeum mirnium</i>	mouse barley	1 - 5%
<i>Melilotus albus</i>	sweet clover	5 - 15%
<i>Tamarix spp.</i>	Salt cedar	1 - 5%

**Enhancement Activities:** The full project area was treated on 12/10/18. A total of 80.5 hours were spent on project enhancement activities.

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#### REPORT AREA III: CURRENT SITE CONDITIONS INCLUDING:

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**% survival, % cover, and height of both tree and shrub species planted/Methods used to access these parameters:** No species were installed as part of the Tucalota Creek 1&2 Maintenance Project removals.

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#### REPORT AREA IV: NON-NATIVE PLANT AND ANIMAL SPECIES REMOVAL

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**Methods Used for Removal:** 102 oz of Garlon 3A and 102 oz of Competitor were used in a cut-stump application.

**Amount Removed/Treated:** .11 -A

**Frequency/Timing of Treatment:** one treatment day was completed in calendar year 2018, scheduled to occur outside of nesting season to minimize impact on covered species.

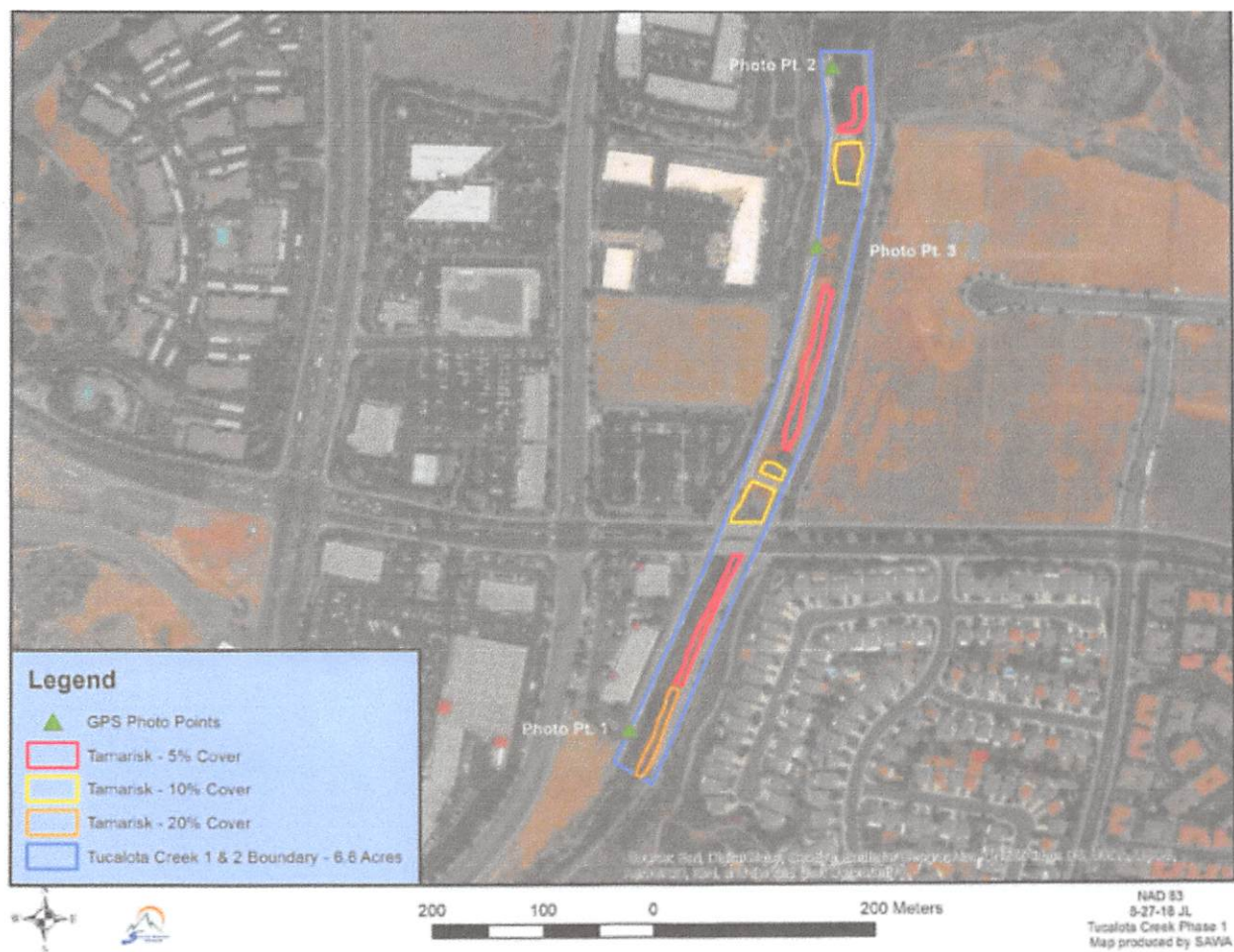
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#### REPORT AREA V: WILDLIFE

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Tucalota Creek 1&2 Wildlife	
Site Vegetation - Native Species	
Scientific Name	Common Name
<i>Charadrius vociferous</i>	kildeer
<i>Haemorhous mexicanus</i>	house finch
<i>Melodia melospiza</i>	song sparrow
<i>Psaltiriparus minimus</i>	bushtit
<i>Sayornis nigricans</i>	black phoebe

## REPORT AREA VI: TREATMENT MAP



## REPORT AREA VII: REPRESENTATIVE SITE PHOTOS



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## PROJECT: RCFCWCD PROJECTS – TUCALOTA CREEK PHASE III

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Permit Table		
TEAMRCD	Streambed Alteration Agreement	1600-2012-0014-R6

RCFCWCD Projects Summary: In early 2018, TEAM RCD began discussions with the Riverside County Flood Control and Water Conservation District (RCFCWCD) regarding the potential to enter into a Memorandum of Understanding, memorializing collaboration on vegetation maintenance within 11 sites managed by the Flood Control District. Following TEAM RCD – RCFCWCD discussions, TEAM received initial concurrence on the collaboration from the California Department of Fish and Wildlife (CDFW). Following this initial concurrence, TEAM RCD worked with staff members from the Santa Ana Watershed Association (SAWA) to conceptualize next steps should TEAM RCD elect to contract SAWA for performance of work defined in the MOU to be done on behalf of RCFCWCD properties under TEAM's Streambed Alteration Agreement.

In August of 2018, the TEAM RCD Board of Directors discussed the MOU and elected to authorize Board President Rose Corona to enter into the agreement with RCFCWCD. Under the terms of the MOU, TEAM RCD would operate under its Streambed Alteration Agreement to provide maintenance across eleven sites, to be addressed according to CDFW order of importance. Funding would go toward removals, biological monitoring, administrative tasks, and reporting. The final MOU was executed on Oct. 30, 2018. TEAM RCD directly hired SAWA to perform removals using the executed MOU to ensure coverage of maintenance activities.

This project covers work performed at the Tocalota Creek Phase III Site under the executed TEAM RCD - RCFCWCD MOU. The site is located along a RCFCWCD channel, near the intersection of Murrieta Hot Springs Road and Winchester Road in the City of Murrieta. Of the 5.78-A total, .17-A infested with salt cedar (*Tamarix spp.*) with small patches of other invasives, collectively in need of maintenance.

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### REPORT AREA I: LIST OF ALL HABITAT CREATION, RESTORATION, ENHANCEMENT, AND CONSERVATION PROJECT AREAS CURRENTLY BEING MANAGED BY PERMITTEE

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Conservation and enhancement activities in the 2018 calendar year took place throughout the full Tocalota Creek Phase III Site identified in the Scope of Work accompanying the TEAM RCD – RCFCWCD MOU.

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### REPORT AREA II: DESCRIPTION OF THE HABITAT RESTORATION, ENHANCEMENT, AND CONSERVATION ACTIVITIES PERFORMED WITHIN EACH PROJECT AREA

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**Conservation Activities:** a full site assessment was conducted on an undisclosed date as part of site assessment in preparation for maintenance activities. During the site assessment, composition of site vegetation was recorded to include the following:

Tucalota Creek Phase III Species List		
Site Vegetation - Native Species		
Scientific Name	Common Name	% Cover
<i>Ambrosia artemisiifolia</i>	common ragweed	<1%
<i>Amsinckia menziesii</i>	common fiddleneck	<1%
<i>Baccharis salicifolia</i>	mulefat	1 - 5%
<i>Datura stramonium</i>	jimson weed	<1%
<i>Eriogonum fasciculatum</i>	California buckwheat	<1%
<i>Helianthus annuus</i>	common sunflower	<1%
<i>Oenothera biennis</i>	evening primrose	<1%
<i>Populus fremontii</i>	cottonwood	1 - 5%
<i>Salix lasiolepis</i>	arroyo willow	5 - 15%
<i>Sambucus nigra</i>	Black elderberry	<1%
<i>Schoenoplectus californicus</i>	California bulrush	5 - 15%
<i>Typha latifolia</i>	common cattail	1 - 5%
<i>Urtica dioica</i>	hoary nettle	<1%
<i>Xanthium strumarium</i>	cocklebur	<1%
Site Vegetation - Invasive Species		
Scientific Name	Common Name	% Cover
<i>Brassica spp</i>	mustard	<1%
<i>Centaurea melitensis</i>	toalote	<1%
<i>Cirsium vulgare</i>	bull thistle	<1%
<i>Ficus carica</i>	common fig	<1%
<i>Hordeum mirnium</i>	mouse barley	1 - 5%
<i>Lactuca virosa</i>	wild lettuce	<1%
<i>Melilotus albus</i>	sweet clover	1 - 5%
<i>Sanctus oleraceus</i>	sow thistle	<1%
<i>Tamarix spp.</i>	Salt cedar	1 - 5%

**Enhancement Activities:** The full project area was treated on 11/13/18, 11/14/18, and 11/15/18. A total of 115.75 hours were spent on project enhancement activities.

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#### REPORT AREA III: CURRENT SITE CONDITIONS INCLUDING:

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**% survival, % cover, and height of both tree and shrub species planted/Methods used to access these parameters:** No species were installed as part of the Tucalota Creek Phase III Maintenance Project removals.

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#### REPORT AREA IV: NON-NATIVE PLANT AND ANIMAL SPECIES REMOVAL

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**Methods Used for Removal:** 26oz of Garlon 3A and 26 oz of Competitor were used in a cut-stump application.

**Amount Removed/Treated:** .17 -A

*Frequency/Timing of Treatment:* three treatment days were completed in calendar year 2018, scheduled to occur outside of nesting season to minimize impact on covered species.

## REPORT AREA V: WILDLIFE

Tucalota Creek Phase III Wildlife	
Site Vegetation - Native Species	
Scientific Name	Common Name
<i>Charadrius vociferous</i>	kildeer
<i>Haemorhous mexicanus</i>	house finch
<i>Hirundo rustica</i>	barn swallow
<i>Melodia melospiza</i>	song sparrow
<i>Psaltiriparus minimus</i>	bushtit
<i>Sayornis nigricans</i>	black phoebe

## REPORT AREA VI: TREATMENT MAP



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## REPORT AREA VI: REPRESENTATIVE PHOTOS

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Photo Point 1

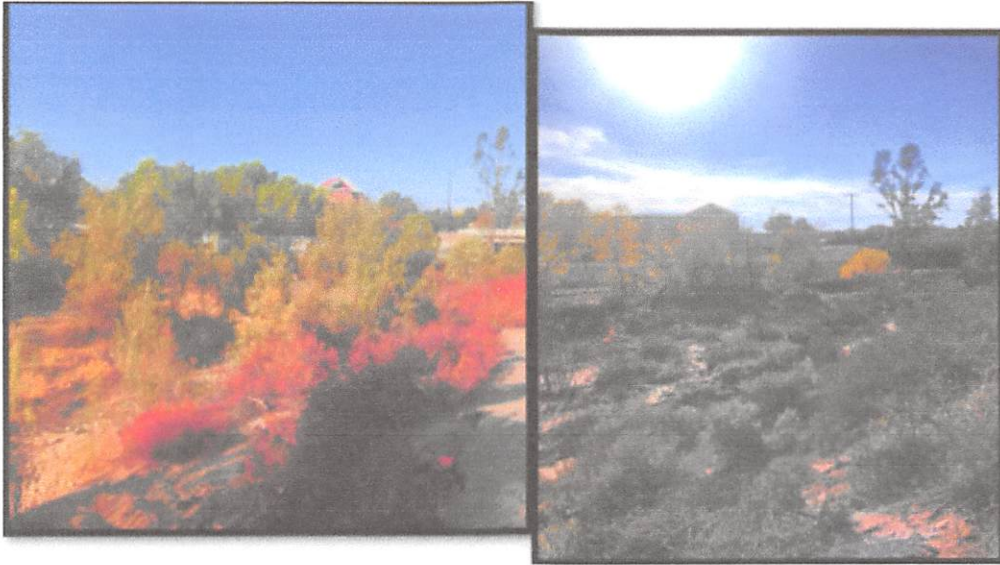


Photo Point 2

