

5/29/2014 J:\M\Mapa\13521\4\MXD\April 2014\Covered Activities Impacts\KRAT Impacts Wells and Water Infrastructure.mxd

Project	Project (acres)	Project Impacts to KRAT (acres)
Wells		
City of Redlands-Orange Well	0.01	0.00
City of Redlands N Orange 1	0.01	0.00
EVWD No 125	0.01	0.00
Proposed Redlands Well	8.28	0.00
Proposed SBVMWD Wells (7)	76.45	0.00
SBVWCD Observation Well 1-7B1	0.01	0.00
SBVWCD Observation Well 2-7K1	0.01	0.00
SBVWCD Observation Well 3-12J1	0.01	0.00
SBVWCD Observation Well 4-11H1	0.01	0.00
Subtotal	84.80	0.00
Turnouts		
SARC Turnout at Santa Ana River	0.11	0.00
Santa Ana Low Turnout Rebuild	1.40	0.00
Subtotal	1.51	0.00
Pipelines		
Alabama Street Connector Pipeline	25.17	0.00
East Branch Extension, Phase 2	2.00	0.00
EVWD Pipe 125	0.00	0.00
Foothill Pipeline	0.00	0.00
Orange Street Connector	27.50	0.00
Plunge Pool Pipeline	14.50	0.00
Redlands Aqueduct Tunnel	0.00	0.00
Redlands Well Connector Pipeline	0.48	0.00
SARC Pipeline	3.00	0.30
SBVMWD Well Connector Pipeline	1.05	0.00
SBVWCD Canal	0.00	6.97
Subtotal	73.70	7.27
Total	160.01	7.27

Legend

Wash Plan Boundary

Management Areas

Pipelines and Canals

Pipelines and Canals - Impacts to KRAT Habitat (Ecological Process Area, High Quality, and Medium Quality)

Wells

Turnouts

EVWD Possible Treatment Plant Locations

Highland Mitigation Lands

WSPA

Additional Conservation

KRAT Habitat Suitability

Ecological Process Area

High

Medium

Low

Trace

KRAT Burrows

The map displays the KRAT Habitat Impact area, overlaid on an aerial photograph. Key features include:

- Management Areas:** Labeled as Area 1 - Spineflower, Area 2 - Plunge Creek, Area 4 - Santa Ana River/ Mill Creek Confluence, Area 5 - 1938 & 1969 Blowout, Area 7 - Spineflower, and Mining.
- Pipelines and Canals:** Labeled as Orange Street Connector, Foothill Pipeline, Plunge Pool Pipeline, SBVWCD Canal, SARC Pipeline, and East Branch Extension, Phase 2.
- Wells:** Indicated by yellow circles.
- Turnouts:** Indicated by orange circles.
- EVWD Possible Treatment Plant Locations:** Indicated by green rectangles.
- Highland Mitigation Lands:** Indicated by orange cross-hatched areas.
- WSPA:** Indicated by blue cross-hatched areas.
- KRAT Burrows:** Indicated by blue dots.
- KRAT Habitat Suitability:** Shaded areas representing Ecological Process Area (orange), High (yellow), Medium (pink), Low (blue), and Trace (light green).
- Additional Conservation:** Indicated by green diagonal hatching.

RBF

CONSULTING

A Baker Company

0

1,000

2,000

4,000

Feet

Source: Eagle Aerial 2012

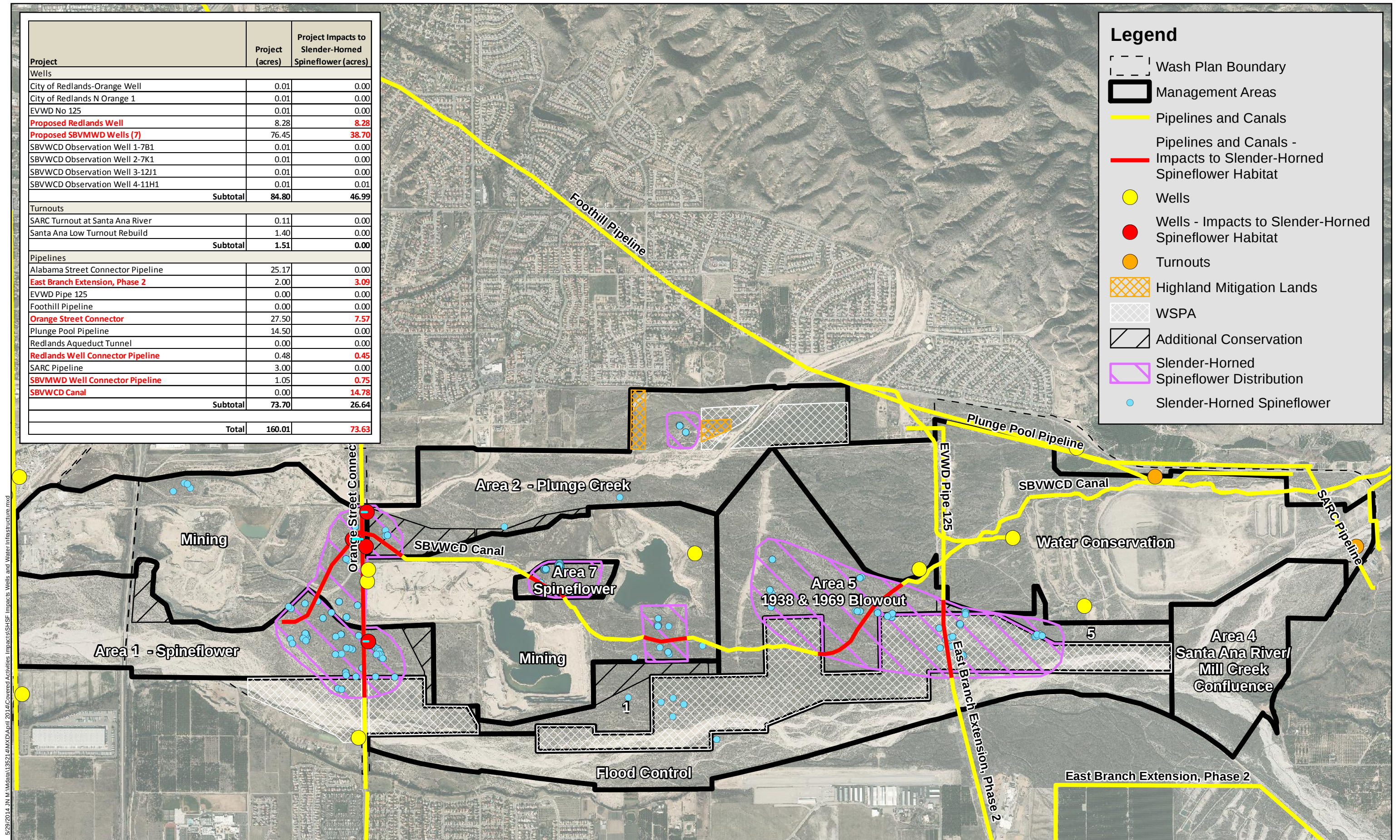
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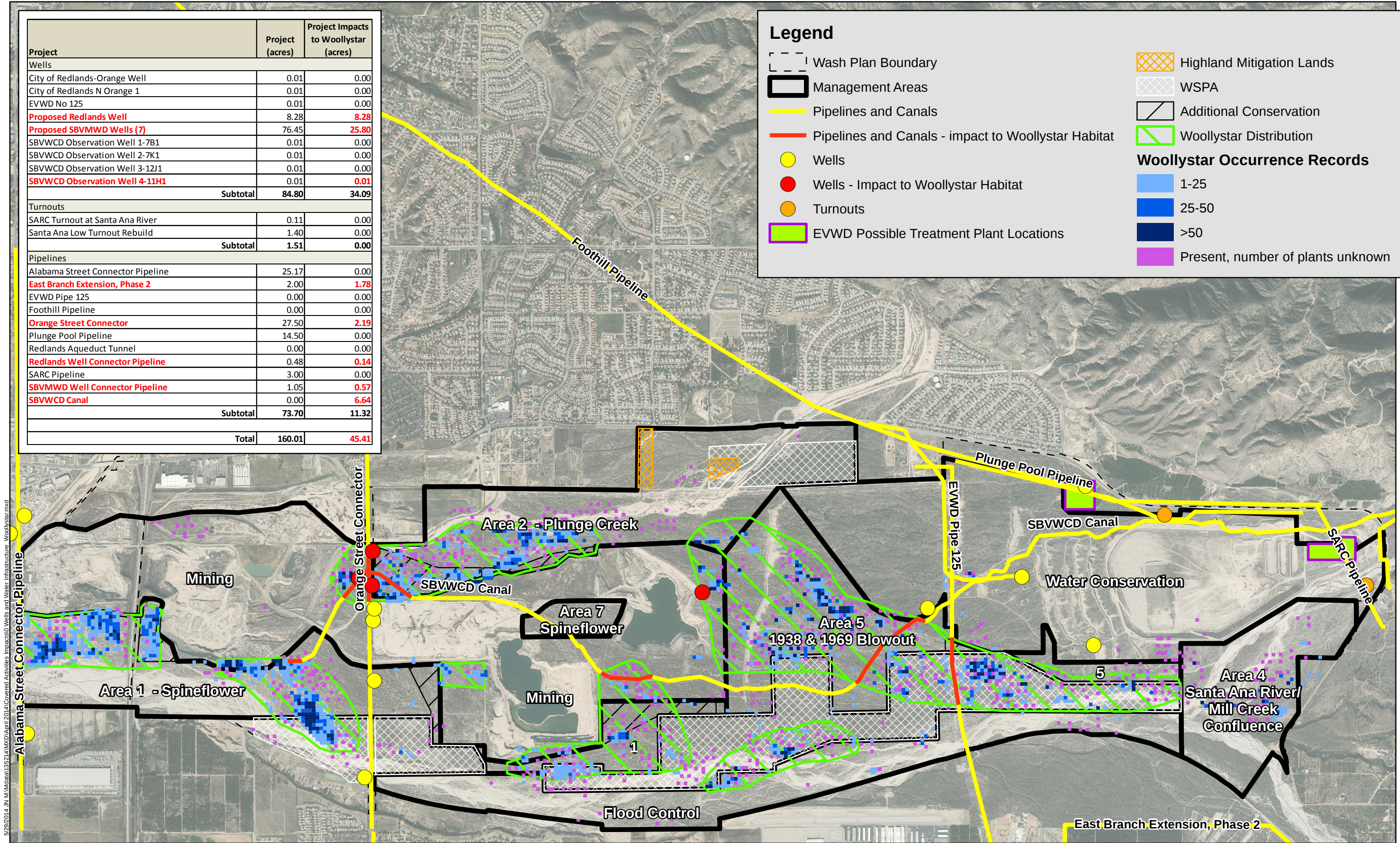
Wells and Water Infrastructure - KRAT Habitat Impact

REVISD HCP UPPER SANTA ANA RIVER WASH PLAN

Exhibit

Project	Project (acres)	Project Impacts to Slender-Horned Spineflower (acres)
Wells		
City of Redlands-Orange Well	0.01	0.00
City of Redlands N Orange 1	0.01	0.00
EVWD No 125	0.01	0.00
Proposed Redlands Well	8.28	8.28
Proposed SBVMWD Wells (7)	76.45	38.70
SBVWCD Observation Well 1-7B1	0.01	0.00
SBVWCD Observation Well 2-7K1	0.01	0.00
SBVWCD Observation Well 3-12J1	0.01	0.00
SBVWCD Observation Well 4-11H1	0.01	0.01
Subtotal	84.80	46.99
Turnouts		
SARC Turnout at Santa Ana River	0.11	0.00
Santa Ana Low Turnout Rebuild	1.40	0.00
Subtotal	1.51	0.00
Pipelines		
Alabama Street Connector Pipeline	25.17	0.00
East Branch Extension, Phase 2	2.00	3.09
EVWD Pipe 125	0.00	0.00
Foothill Pipeline	0.00	0.00
Orange Street Connector	27.50	7.57
Plunge Pool Pipeline	14.50	0.00
Redlands Aqueduct Tunnel	0.00	0.00
Redlands Well Connector Pipeline	0.48	0.45
SARC Pipeline	3.00	0.00
SBVMWD Well Connector Pipeline	1.05	0.75
SBVWCD Canal	0.00	14.78
Subtotal	73.70	26.64
Total	160.01	73.63





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