



County of Fresno

DEPARTMENT OF PUBLIC WORKS AND PLANNING
STEVEN E. WHITE, DIRECTOR

DATE: May 11, 2020

TO: Department of Public Works and Planning, Attn: Steven E. White, Director
Department of Public Works and Planning, Attn: Bernard Jimenez, Assistant Director
Department of Public Works and Planning, Attn: John R. Thompson, Assistant Director
Development Services and Capital Projects, Attn: William M. Kettler, Division Manager
Development Services and Capital Projects, Attn: Chris Motta, Principal Planner
Development Services and Capital Projects, Current Planning, Attn: Marianne Mollring, Senior Planner
Development Services and Capital Projects, Policy Planning, ALCC, Attn: Mohammad Khorsand, Senior Planner
Development Services and Capital Projects, Zoning & Permit Review, Attn: Daniel Gutierrez/James Anders
Resources Division, Special Districts, Attn: Amina Flores-Becker/Chris Bump
Development Engineering, Attn: Laurie Kennedy, Grading/Mapping
Road Maintenance and Operations, Attn: John Thompson/Nadia Lopez
Design Division, Special Projects/Road Projects, Attn: Mohammad Alimi/Dale Siemer/Brian Spaunhurst
Community Development Division, Attn: Glenn Allen, Division Manager
Water and Natural Resources Division, Attn: Glenn Allen, Division Manager; Roy Jimenez
Department of Public Health, Environmental Health Division, Attn: Deep Sidhu/Steven Rhodes
Agricultural Commissioner, Attn: Melissa Cregan
County Counsel, Attn: Alison Samarin, Deputy County Counsel
U.S. Fish and Wildlife Service, San Joaquin Valley Division, Attn: Matthew Nelson
CA Regional Water Quality Control Board, Attn: Dale Harvey
CA Department of Fish and Wildlife, Attn: Craig Bailey, Environmental Scientist
San Joaquin Valley Unified Air Pollution Control District (PIC-CEQA Division), Attn: PIC Supervisor
Central Kings GSA, Attn: Phil Desatoff, General Manager
Kings River Water District, Attn: Richard Cosgrove, Secretary-Treasurer
Kings River Conservation District, Attn: Rick Hoelzel
Fresno County Fire Protection District, Attn: Jim McDougald, Division Chief

FROM: Chrissy Monfette, Planner
Development Services and Capital Projects Division

SUBJECT: Initial Study Application No. 7859 – Goodfellow Shoulder Improvements

APPLICANT: Fresno County Design Division

DUE DATE: May 25, 2020

The Department of Public Works and Planning, Development Services and Capital Projects Division is reviewing the subject application proposing to allow the addition of 8-foot wide paved shoulders, shoulder backing, and traffic striping along each side of S. Goodfellow Avenue.

The Department is reviewing for environmental effects, as mandated by the California Environmental Quality Act (CEQA) and for conformity with plans and policies of the County.

Based upon this review, a determination will be made regarding conditions to be imposed on the project, including necessary on-site and off-site improvements.

We must have your comments by **May 25, 2020**. Any comments received after this date may not be used.

NOTE - THIS WILL BE OUR ONLY REQUEST FOR WRITTEN COMMENTS. If you do not have comments, please provide a "NO COMMENT" response to our office by the above deadline (e-mail is also acceptable; see email address below).

Please address any correspondence or questions related to environmental and/or policy/design issues to me, Chrissy Monfette, Planner, Development Services and Capital Projects Division, Fresno County Department of Public Works and Planning, 2220 Tulare Street, Sixth Floor, Fresno, CA 93721, or call (559) 600-4245 or email Cmonfetteco.fresno.ca.us.

CMM

G:\4360Devs&Pln\PROJSEC\PROJDOCS\Environmental\Initial Studies - Environmental Assessments\7000-7999\IS 7859 - Goodfellow shoulder improvements\ROUTING\IS 7859 - Rtg Ltr.doc

Activity Code (Internal Review): 2332

Enclosures

PROJECT DESCRIPTION

CMAQ – Goodfellow Ave from 0.710mi e/o Channel Rd to Reed Ave
May 11, 2020

The purpose of the proposed project is to reduce particulate matter emissions caused by unstable shoulders adjacent to the roadway of E Goodfellow Avenue. The project consists of adding paved 8-foot wide shoulders, shoulder backing, and traffic striping along each side of E Goodfellow Avenue from 0.710 mile east of S Channel Road to S Reed Avenue (4.007 miles), in Fresno County.

E Goodfellow Avenue is currently a two-lane, undivided rural road with a 24-foot wide pavement width and an approximate 8-foot wide maintained dirt shoulder on each side of the road. Existing prescriptive right-of-way is 60 feet, approximately centered about the section line; however, the centerline of Goodfellow Avenue does not match with the section line (Attachment N). Due to this issue, right-of-way acquisition is necessary to perfect the right-of-way. Utility relocation such as PG&E electrical poles and overhead utility lines is anticipated, however, further investigation is required.

Within the project limits, E Goodfellow Avenue crosses the Kings River, Hanke Ditch, the Cameron Slough, an underground channel, Byrd Slough, and Fink Ditch. According to FEMA flood maps, the proposed project intersects the following floodplains: Zone A, Zone AE, Zone X, and a Regulatory Floodway Zone AE. Work will not be conducted in the bed, bank or channel of any waterway. The project would taper shoulder work around structures such as bridges and culverts; existing concrete asphalt dikes and guardrails would not be affected by shoulder work. No impact to water resources is anticipated.

The proposed project is located within the Fresno Sole-Source Aquifer; however, it does not involve a well or sewage disposal and would not result in a threat to aquifer contamination or a hazard to public health. According to the Geotracker database, one leaking underground storage tank (LUST) site is located within the project limits and five agricultural land domestic wells are located within 1,000 feet of the project limits. The LUST site is designated as a closed case and will not create an impact. No impact to the agricultural land domestic wells is anticipated because the depth of excavation will be minor (3 feet) and is not within the project footprint.

Right-of-way acquisition with minimal impact to farmland is anticipated. The project's conversion of farmland is exempt from the provisions of the Farmland Protection Policy Act (FPPA), under the FPPA Manual's exemption. It states that small acreages of 10 acres or less per linear mile are exempted from FPPA (U.S. Department of Agriculture, Natural Resources Conservation Act Manual, Title 440, Part 523, Subpart B, 523.11(E)(1)).

Trees or vegetation near the edge of pavement may need to be removed. Impact to biological resources are not anticipated due to the disturbed nature of the project area and the limited scope of work. If trees are removed during the nesting season (February 15 – August 31), preconstruction surveys for nesting birds would be conducted by a qualified biologist. A qualified biologist would establish environmentally sensitive areas around active nests until it is determined the young have fledged the nest.

The proposed project is consistent with the County of Fresno's General Plan and public controversy is not anticipated due to the nature of the proposed project and scope of work. The project would not generate the need for public services or utilities beyond those already existing. The alignment and number of through lanes will not be changed and no adverse construction-related noise activity is anticipated; therefore, no permanent noise impacts are anticipated in the area. Air quality improvement in the project area due to a reduction in vehicle emissions is anticipated. Particulate matter reduction measures will be taken during construction in accordance with the San Joaquin Valley Air Pollution Control District's Regulation VIII. The project will not generate the need for public services or utilities beyond those already existing.



Fresno County Department of Public Works and Planning

Date Received:	(Application No.)
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MAILING ADDRESS:
 Department of Public Works and Planning
 Development Services Division
 2220 Tulare St., 6th Floor
 Fresno, Ca. 93721

LOCATION:
 Southwest corner of Tulare & "M" Streets, Suite A
 Street Level
 Fresno Phone: (559) 600-4497
 Toll Free: 1-800-742-1011 Ext. 0-4497

APPLICATION FOR:

- Pre-Application (Type) _____
- Amendment Application Director Review and Approval
- Amendment to Text for 2nd Residence
- Conditional Use Permit Determination of Merger
- Variance (Class)/Minor Variance Agreements
- Site Plan Review/Occupancy Permit ALCC/RLCC
- No Shoot/Dog Leash Law Boundary Other _____
- General Plan Amendment/Specific Plan/SP Amendment)
- Time Extension for _____

DESCRIPTION OF PROPOSED USE OR REQUEST:

CEQA DOCUMENTATION: Initial Study PER N/A

PLEASE USE FILL-IN FORM OR PRINT IN BLACK INK. Answer all questions completely. Attach required site plans, forms, statements, and deeds as specified on the Pre-Application Review. **Attach Copy of Deed, including Legal Description.**

LOCATION OF PROPERTY: _____ side of _____
 between _____ and _____
 Street address: _____

APN: _____ Parcel size: _____ Section(s)-Twp/Rg: S ____ - T ____ S/R ____ E

ADDITIONAL APN(s): _____

I, _____ (*signature*), declare that I am the owner, or authorized representative of the owner, of the above described property and that the application and attached documents are in all respects true and correct to the best of my knowledge. The foregoing declaration is made under penalty of perjury.

Owner (Print or Type)	Address	City	Zip	Phone
Applicant (Print or Type)	Address	City	Zip	Phone
Representative (Print or Type)	Address	City	Zip	Phone

CONTACT EMAIL:

OFFICE USE ONLY (PRINT FORM ON GREEN PAPER)

Application Type / No.:	Fee: \$
Application Type / No.:	Fee: \$
Application Type / No.:	Fee: \$
Application Type / No.:	Fee: \$
PER/Initial Study No.:	Fee: \$
Ag Department Review:	Fee: \$
Health Department Review:	Fee: \$
Received By: _____ Invoice No.:	TOTAL: \$

UTILITIES AVAILABLE:

WATER: Yes / No
 Agency: _____

SEWER: Yes / No
 Agency: _____

STAFF DETERMINATION: This permit is sought under Ordinance Section:

Sect-Twp/Rg: ____ - T ____ S /R ____ E

Related Application(s): _____

APN # ____ - ____ - ____

APN # ____ - ____ - ____

Zone District: _____

APN # ____ - ____ - ____

Parcel Size: _____

APN # ____ - ____ - ____



County of Fresno

DEPARTMENT OF PUBLIC WORKS AND PLANNING
STEVEN E. WHITE, DIRECTOR

INITIAL STUDY APPLICATION

INSTRUCTIONS

Answer all questions completely. An incomplete form may delay processing of your application. Use additional paper if necessary and attach any supplemental information to this form. Attach an operational statement if appropriate. This application will be distributed to several agencies and persons to determine the potential environmental effects of your proposal. Please complete the form in a legible and reproducible manner (i.e., USE BLACK INK OR TYPE).

OFFICE USE ONLY

IS No. _____

Project No(s). _____

Application Rec'd.: _____

GENERAL INFORMATION

1. **Property Owner :** _____ **Phone/Fax** _____

Mailing

Address: _____
Street *City* *State/Zip*

2. **Applicant :** _____ **Phone/Fax:** _____

Mailing

Address: _____
Street *City* *State/Zip*

3. **Representative:** _____ **Phone/Fax:** _____

Mailing

Address: _____
Street *City* *State/Zip*

4. **Proposed Project:** _____

5. **Project Location:** _____

6. **Project Address:** _____

7. **Section/Township/Range:** _____ / _____ / _____

8. **Parcel Size:** _____

9. **Assessor's Parcel No.** _____

OVER.....

10. Land Conservation Contract No. (If applicable): _____

11. What other agencies will you need to get permits or authorization from:

- | | |
|---|---|
| _____ LAFCo (annexation or extension of services) | _____ SJVUAPCD (Air Pollution Control District) |
| _____ CALTRANS | _____ Reclamation Board |
| _____ Division of Aeronautics | _____ Department of Energy |
| _____ Water Quality Control Board | _____ Airport Land Use Commission |
| _____ Other _____ | |

12. Will the project utilize Federal funds or require other Federal authorization subject to the provisions of the National Environmental Policy Act (NEPA) of 1969? _____ Yes _____ No

If so, please provide a copy of all related grant and/or funding documents, related information and environmental review requirements.

13. Existing Zone District¹: _____

14. Existing General Plan Land Use Designation¹: _____

ENVIRONMENTAL INFORMATION

15. Present land use: _____
Describe existing physical improvements including buildings, water (wells) and sewage facilities, roads, and lighting. Include a site plan or map showing these improvements:

Describe the major vegetative cover: _____

Any perennial or intermittent water courses? If so, show on map: _____

Is property in a flood-prone area? Describe:

16. Describe surrounding land uses (e.g., commercial, agricultural, residential, school, etc.):

North: _____

South: _____

East: _____

West: _____

17. What land use(s) in the area may be impacted by your Project?: _____

18. What land use(s) in the area may impact your project?: _____

19. **Transportation:**

NOTE: The information below will be used in determining traffic impacts from this project. The data may also show the need for a Traffic Impact Study (TIS) for the project.

A. Will additional driveways from the proposed project site be necessary to access public roads?
_____ Yes _____ No

B. **Daily traffic generation:**

I. **Residential - Number of Units** _____
Lot Size _____
Single Family _____
Apartments _____

II. **Commercial - Number of Employees** _____
Number of Salesmen _____
Number of Delivery Trucks _____
Total Square Footage of Building _____

III. **Describe and quantify other traffic generation activities:** _____

20. Describe any source(s) of noise from your project that may affect the surrounding area: _____

21. Describe any source(s) of noise in the area that may affect your project: _____

22. Describe the probable source(s) of air pollution from your project: _____

23. **Proposed source of water:**

() private well

() community system³ --name: _____

OVER.....

24. *Anticipated volume of water to be used (gallons per day)²:* _____
25. *Proposed method of liquid waste disposal:*
 () *septic system/individual*
 () *community system³-name* _____
26. *Estimated volume of liquid waste (gallons per day)²:* _____
27. *Anticipated type(s) of liquid waste:* _____
28. *Anticipated type(s) of hazardous wastes²:* _____
29. *Anticipated volume of hazardous wastes²:* _____
30. *Proposed method of hazardous waste disposal²:* _____
31. *Anticipated type(s) of solid waste:* _____
32. *Anticipated amount of solid waste (tons or cubic yards per day):* _____
33. *Anticipated amount of waste that will be recycled (tons or cubic yards per day):* _____
34. *Proposed method of solid waste disposal:* _____
35. *Fire protection district(s) serving this area:* _____
36. *Has a previous application been processed on this site? If so, list title and date:* _____

37. *Do you have any underground storage tanks (except septic tanks)? Yes _____ No _____*
38. *If yes, are they currently in use? Yes _____ No _____*

TO THE BEST OF MY KNOWLEDGE, THE FOREGOING INFORMATION IS TRUE.

SIGNATURE

DATE

¹*Refer to Development Services and Capital Projects Conference Checklist*

²*For assistance, contact Environmental Health System, (559) 600-3357*

³*For County Service Areas or Waterworks Districts, contact the Resources Division, (559) 600-4259*

PROJECT DESCRIPTION

CMAQ – Goodfellow Ave from 0.710mi e/o Channel Rd to Reed Ave

April 9, 2020

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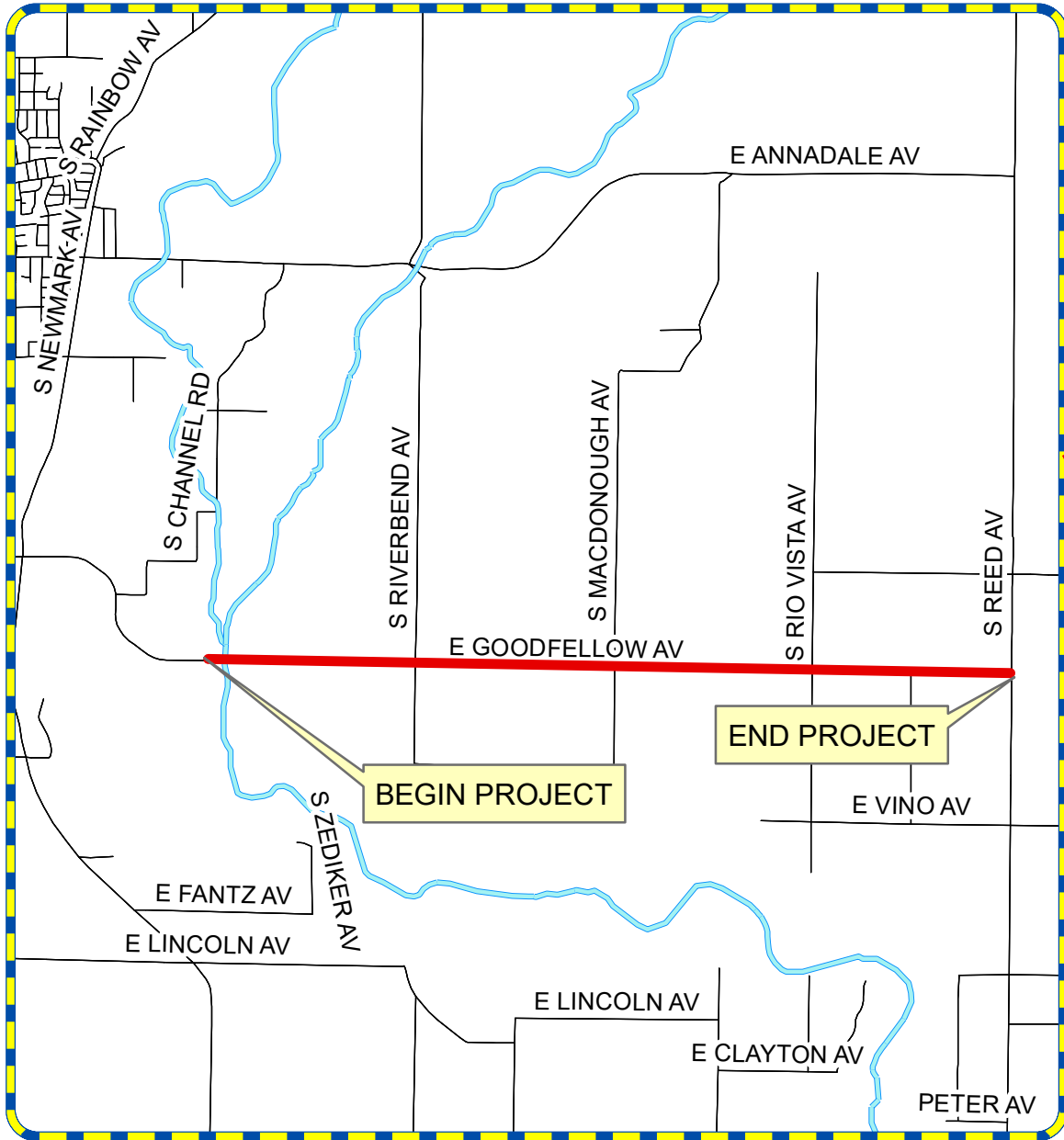
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GROUPED PROJECT LISTING
2019 FTIP AMENDMENT NO. 8, UPDATED 1/16/2020
DOLLARS IN \$1,000

ATTACHMENT A

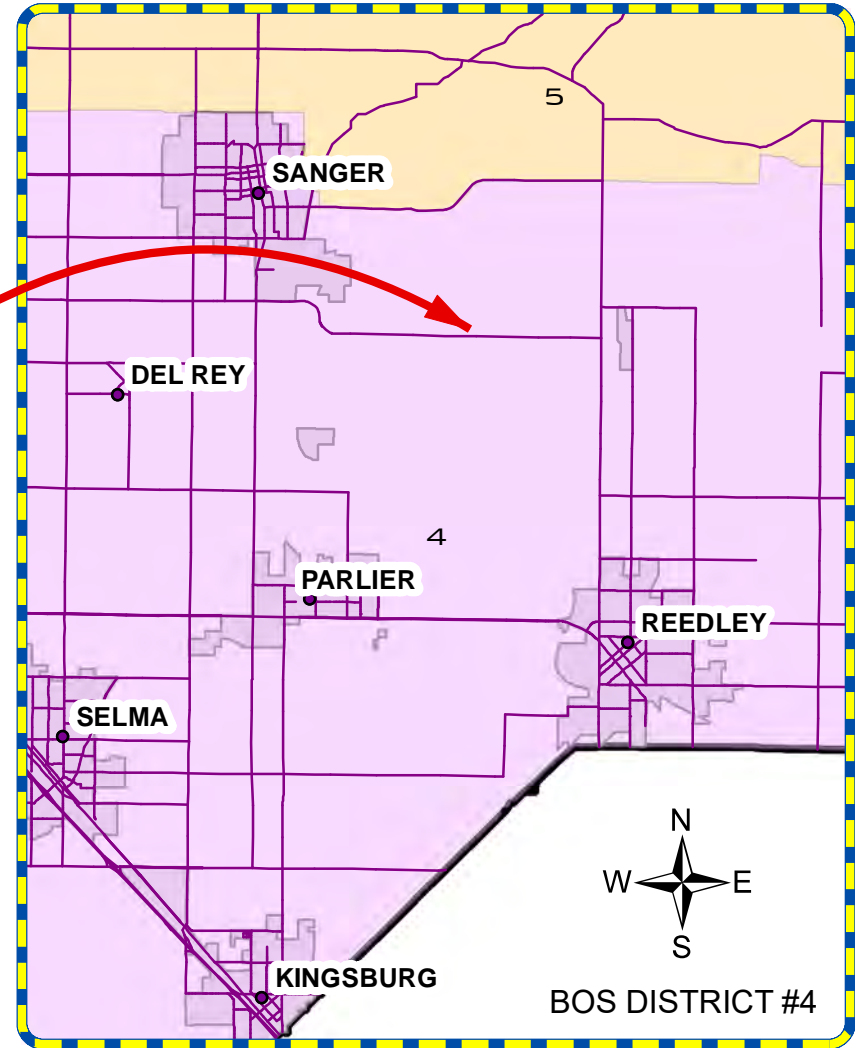
AGENCY	PROJECT CATEGORY	FTIP	PROJECT ID #	GROUPED LIST PROJECT #	PROJECT TITLE	PROJECT DESCRIPTION	FEDERAL FUNDS					TOTAL LOCAL	TOTAL FED	TOTAL COST	
							PRIOR	FY18/19	FY19/20	FY20/21	FY21/22				FUTURE
Fresno County	CMAQ	'18-01	FRE090130	LSTMP534	American Ave Shoulder Improvements from Madera Ave to Placer Ave	American Ave from Madera Ave to Placer Ave; Shoulder improvements - construct 4ft wide paved shoulders on each side of existing 24ft travel way. N/S of American Ave from Plumas to Humbolt; Construct 12ft V-ditch. N/S of American Ave from American Ave Landfill entrance to 875ft e/o Landfill entrance; Construct 12ft storage lane and 4ft shoulder.	\$422	\$0	\$0	\$0	\$1,889	\$0	\$299	\$2,311	\$2,610
Fresno County	CMAQ	'18-00	FRE090130	LSTMP535	Jensen Ave Shoulder Improvements from Dickensen to Madera Ave	Jensen Ave from Dickensen to Madera Ave. Shoulder improvements; construct 4-foot wide paved shoulders on each side of existing 24-foot travel way.	\$371	\$0	\$1,615	\$0	\$0	\$0	\$257	\$1,986	\$2,243
Fresno County	CMAQ	'18-08	FRE090130	LSTMP643	Goodfellow Ave Shoulder Improvements from Channel to Reed	Goodfellow Ave from 0.71 E/O Channel Rd to Reed Ave. Shoulder improvements; construct 8-foot wide paved shoulders on each side of existing travel way.	\$0	\$345	\$0	\$3,572	\$0	\$0	\$508	\$3,917	\$4,425
Fresno County	CMAQ	'18-01	FRE090130	LSTMP644	Mountain View Ave Shoulder Improvements from Fowler to McCall	Mountain View Ave from Fowler Ave to McCall Ave. Shoulder improvements; construct 8-foot wide paved shoulders on each side of existing travel way.	\$0	\$166	\$44	\$2,474	\$0	\$0	\$348	\$2,684	\$3,032
TOTAL FRE090130 - FRESNO ITS SAFETY IMPROVEMENTS							\$793	\$511	\$1,659	\$6,046	\$1,889	\$0	\$1,412	\$10,898	\$12,310
Fresno, City of	CMAQ	'18-05	FRE090137	LSTMP544	ITS Installation and synchronization of Ventura/Kings Canyon from Van Ness to Chestnut	Ventura/Kings Canyon from Van Ness Ave to Chestnut Ave; Install adaptive ITS system, cabinets, fiber & network, cameras, detection, and synchronize corridor.	\$128	\$0	\$1,796	\$0	\$0	\$0	\$17	\$1,924	\$1,941
Fresno, City of	CMAQ	'18-06	FRE090137	LSTMP545	ITS Installation and synchronization of Blackstone/Friant from McKinley to Shepherd	Blackstone/Friant Ave from McKinley Ave to Shepherd Ave; Install adaptive ITS system, upgrade detection, and synchronize corridor.	\$182	\$0	\$0	\$2,568	\$0	\$0	\$24	\$2,749	\$2,773
Fresno, City of	CMAQ	'18-05	FRE090137	LSTMP546	ITS Installation and synchronization of Blackstone/Abby from Divisadero to McKinley	Blackstone/Abby Ave from Divisadero Ave to McKinley Ave; Install adaptive ITS system, vaults, cabinets, cameras, detection, and synchronize corridor.	\$134	\$0	\$0	\$1,505	\$0	\$0	\$17	\$1,640	\$1,657
Fresno, City of	CMAQ	'18-01	FRE090137	LSTMP645	ITS Ashlan from Cornelia to Blackstone	ITS Ashlan Ave from Cornelia Ave to Blackstone Ave; Install ITS synchronization, communications, 2070L controllers, cameras, detection, vaults and cabinets	\$0	\$0	\$0	\$220	\$1,734	\$0	\$0	\$1,954	\$1,954
TOTAL FRE090137 - FRESNO ITS SAFETY IMPROVEMENTS							\$444	\$0	\$1,796	\$4,293	\$1,734	\$0	\$58	\$8,267	\$8,325
Fresno, City of	RSTP	'18-04	FRE090611	LSTMP549	Blackstone AC Overlay from Dakota to Ashlan	Blackstone Avenue from Dakota to Ashlan; AC Overlay and installation of curb ramps, signal loop detectors, signage and striping.	\$127	\$2,106	\$0	\$0	\$0	\$0	\$0	\$2,232	\$2,232
Fresno, City of	RSTP	'18-00	FRE090611	LSTMP550	Abby AC Overlay from Divisadero to Olive	Abby Street from Divisadero to Olive; AC Overlay and installation of curb ramps, signal loop detectors, signage and striping.	\$142	\$0	\$0	\$1,382	\$0	\$0	\$0	\$1,524	\$1,524
Fresno, City of	RSTP	'18-04	FRE090611	LSTMP551	Southbound Friant AC Overlay from Champlain to Shepherd	Southbound Friant Rd from Champlain to Shepherd; AC Overlay and installation of curb ramps, signal loop detectors, signage and striping.	\$92	\$971	\$0	\$0	\$0	\$0	\$0	\$1,063	\$1,063
Fresno, City of	RSTP	'18-04	FRE090611	LSTMP552	Jensen AC Overlay from Cornelia to Chateau Fresno	Jensen Ave from Cornelia to Chateau Fresno; AC Overlay and installation of curb ramps, signal loop detectors, signage and striping.	\$192	\$0	\$0	\$0	\$1,981	\$0	\$1,100	\$2,173	\$3,273
Fresno, City of	RSTP	'18-00	FRE090611	LSTMP556	Belmont Ave AC Overlay from Cedar to Chestnut	Belmont Ave from Cedar Ave to Chestnut Ave; AC Overlay and installation of curb ramps, signal loop detectors, signage and striping.	\$147	\$1,271	\$0	\$0	\$0	\$0	\$0	\$1,418	\$1,418

LOCATION MAP



PROJECT LIMITS
GOODFELLOW AVE. FROM 0.71 MI EAST OF
S. CHANNEL RD. TO REED AVE.

VICINITY MAP



ATTACHMENT C
Photos for CMAQ – Goodfellow Avenue Shoulder Improvement Project



Figure 1 – E Goodfellow Avenue facing east from the westernmost portion of the project limits; 0.710 mile east of S Channel Road.

ATTACHMENT C
Photos for CMAQ – Goodfellow Avenue Shoulder Improvement Project



Figure 2 – E Goodfellow Avenue facing bridge structure over the Kings River.

ATTACHMENT C
Photos for CMAQ – Goodfellow Avenue Shoulder Improvement Project



Figure 3 – E Goodfellow Avenue facing east from the bridge over the Kings River.

ATTACHMENT C
Photos for CMAQ – Goodfellow Avenue Shoulder Improvement Project



Figure 4 – E Goodfellow Avenue facing east from 14865 East Goodfellow Avenue, Sanger, CA 93657.

ATTACHMENT C
Photos for CMAQ – Goodfellow Avenue Shoulder Improvement Project



Figure 5 - E Goodfellow Avenue facing east from 15211 East Goodfellow Avenue, Sanger, CA 93657.

ATTACHMENT C
Photos for CMAQ – Goodfellow Avenue Shoulder Improvement Project



Figure 6 – E Goodfellow Avenue facing east towards the E Goodfellow Avenue and S Riverbend Avenue intersection and Hanke Ditch.

ATTACHMENT C
Photos for CMAQ – Goodfellow Avenue Shoulder Improvement Project



Figure 7 – E Goodfellow Avenue facing east towards 15822 East Goodfellow Avenue, Sanger, CA 93657.

ATTACHMENT C
Photos for CMAQ – Goodfellow Avenue Shoulder Improvement Project



Figure 8 – E Goodfellow Avenue facing east towards the bridge structure over Cameron Slough.

ATTACHMENT C
Photos for CMAQ – Goodfellow Avenue Shoulder Improvement Project



Figure 9 – E Goodfellow Avenue from approximately 700 feet east of 16257 East Goodfellow Avenue, Sanger, CA, 93657.

ATTACHMENT C
Photos for CMAQ – Goodfellow Avenue Shoulder Improvement Project



Figure 10 – E Goodfellow Avenue facing east towards the E Goodfellow Avenue and S MacDonough Avenue intersection.

ATTACHMENT C
Photos for CMAQ – Goodfellow Avenue Shoulder Improvement Project



Figure 11 – E Goodfellow Avenue from approximately 100 feet east of the E Goodfellow Avenue and S MacDonough Avenue intersection.

ATTACHMENT C
Photos for CMAQ – Goodfellow Avenue Shoulder Improvement Project



Figure 12 – E Goodfellow Avenue facing east towards the bridge structure over the Bryd Slough.

ATTACHMENT C
Photos for CMAQ – Goodfellow Avenue Shoulder Improvement Project



Figure 13 - E Goodfellow Avenue facing east towards 17215 East Goodfellow Avenue, Sanger, CA 93657.

ATTACHMENT C
Photos for CMAQ – Goodfellow Avenue Shoulder Improvement Project



Figure 14 – E Goodfellow Avenue facing east from 19691 East Goodfellow Avenue, Sanger, CA 93657.

ATTACHMENT C
Photos for CMAQ – Goodfellow Avenue Shoulder Improvement Project



Figure 15 – E Goodfellow Avenue facing east towards 17142 East Goodfellow Avenue, Sanger, CA 93657.

ATTACHMENT C
Photos for CMAQ – Goodfellow Avenue Shoulder Improvement Project



Figure 16 – E Goodfellow Avenue facing east towards the E Goodfellow Avenue and S Rio Vista Avenue intersection.

ATTACHMENT C
Photos for CMAQ – Goodfellow Avenue Shoulder Improvement Project



Figure 17 – E Goodfellow Avenue facing east towards the Hanke Ditch.

ATTACHMENT C
Photos for CMAQ – Goodfellow Avenue Shoulder Improvement Project



Figure 18 – E Goodfellow Avenue approximately 900 feet from the E Goodfellow Avenue and S Rio Vista Avenue intersection.

ATTACHMENT C
Photos for CMAQ – Goodfellow Avenue Shoulder Improvement Project



Figure 19 – E Goodfellow Avenue facing east towards ditch (left) and Jim Savage Road (right).

ATTACHMENT C
Photos for CMAQ – Goodfellow Avenue Shoulder Improvement Project



Figure 20 – E Goodfellow Avenue from approximately 520 feet of the E Goodfellow Avenue and Jim Savage Road T-Intersection.

ATTACHMENT C
Photos for CMAQ – Goodfellow Avenue Shoulder Improvement Project



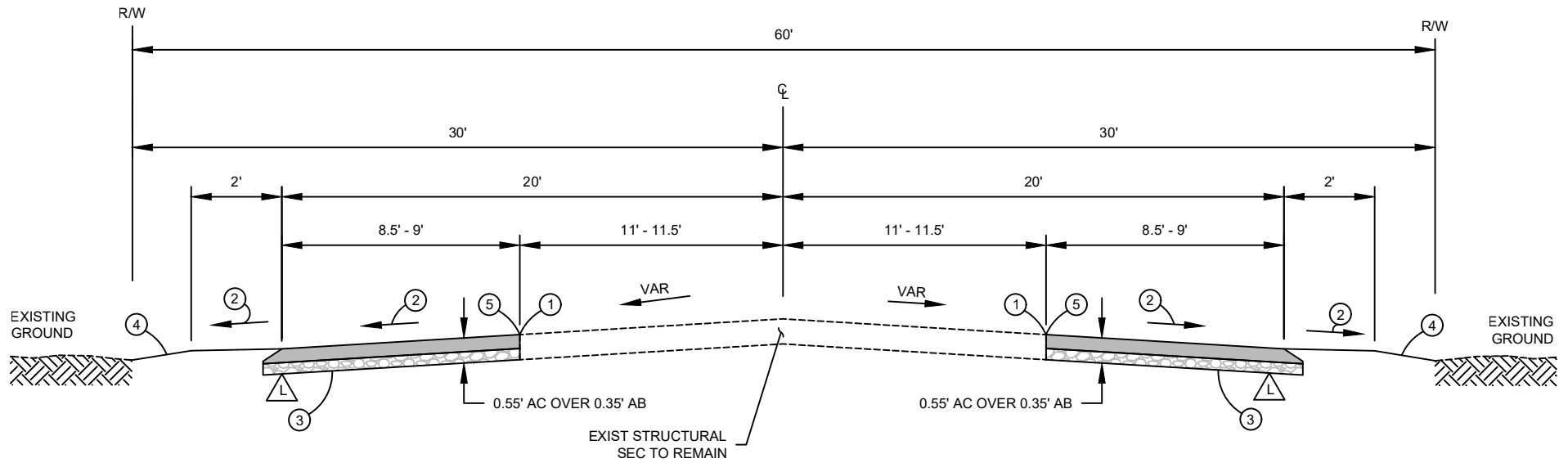
Figure 21 – E Goodfellow Avenue from 18138 East Goodfellow Avenue, Reedley, CA 93654.

ATTACHMENT C
Photos for CMAQ – Goodfellow Avenue Shoulder Improvement Project



Figure 22 – E Goodfellow Ave. facing west from the easternmost portion of the project limits; E Goodfellow Ave. and S Reed Ave. intersection.

ATTACHMENT D



KEY NOTES:

1. CUT NEAT LINE
2. NEW PAVED AND GRADED SHOULDER CROSS SLOPE TO MATCH EXISTING ADJACENT PAVEMENT CROSS SLOPE
3. PLACE AC OVER AB OVER COMPACTED NATIVE SOIL
4. SHLDR BACKING TO MATCH EXIST GROUND AT 4:1 SLOPE OR FLATTER
5. APPLY 1' WIDE TACK COAT

LIMIT OF ROADWAY EXCAVATION/GRADING PLANE

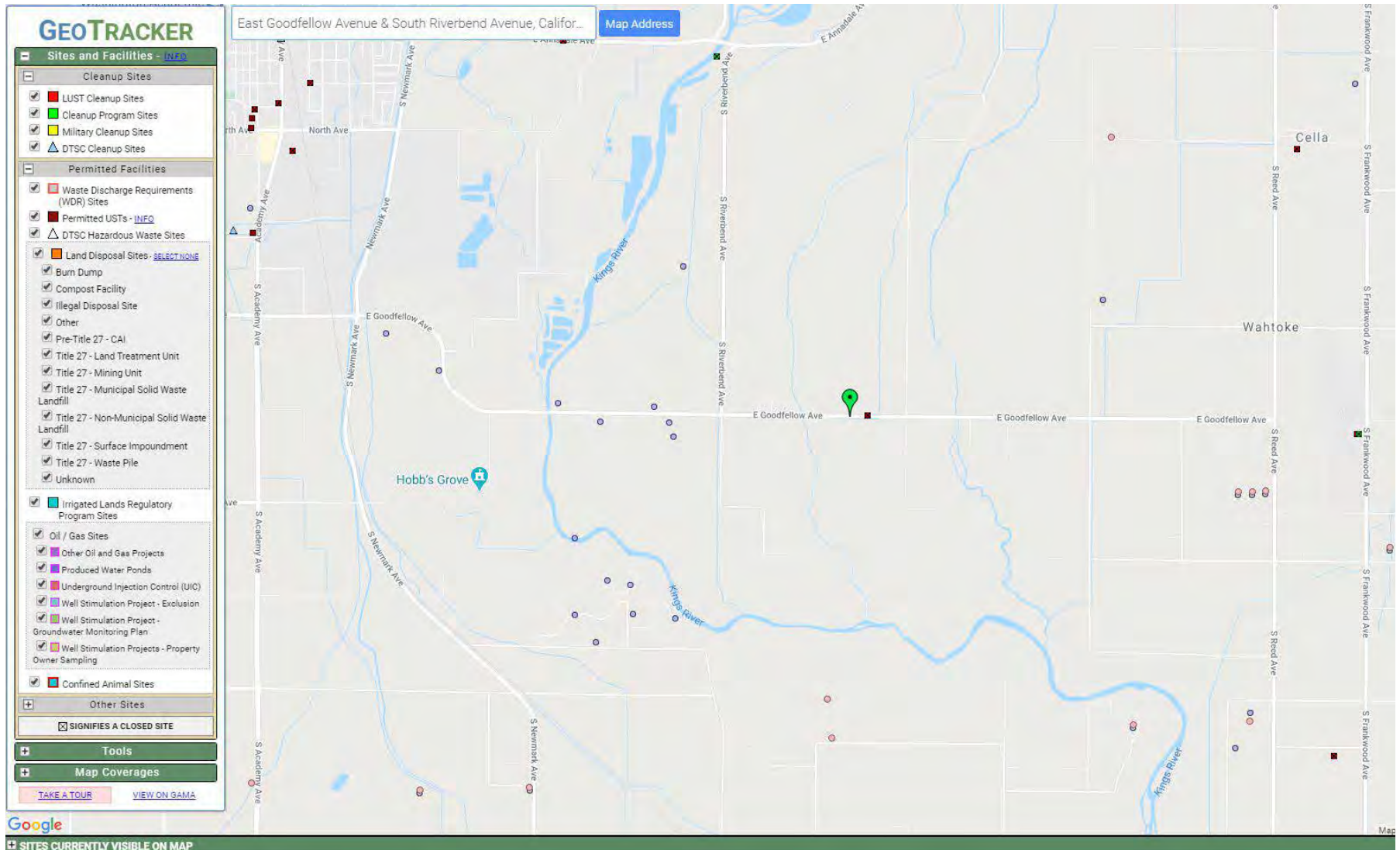
	DATE:	SCALE: NONE		DEPARTMENT OF PUBLIC WORKS AND PLANNING	
DESIGNED:	B.S.	08/19		DRAWING NO. NONE	GOODFELLOW AVENUE SHOULDER IMPROVEMENT
DRAWN:	B.S.	08/19			0.710 E/O CHANNEL ROAD TO REED AVENUE
CHECKED:	S.A.	08/19			TYPICAL CROSS SECTION

ATTACHMENT E

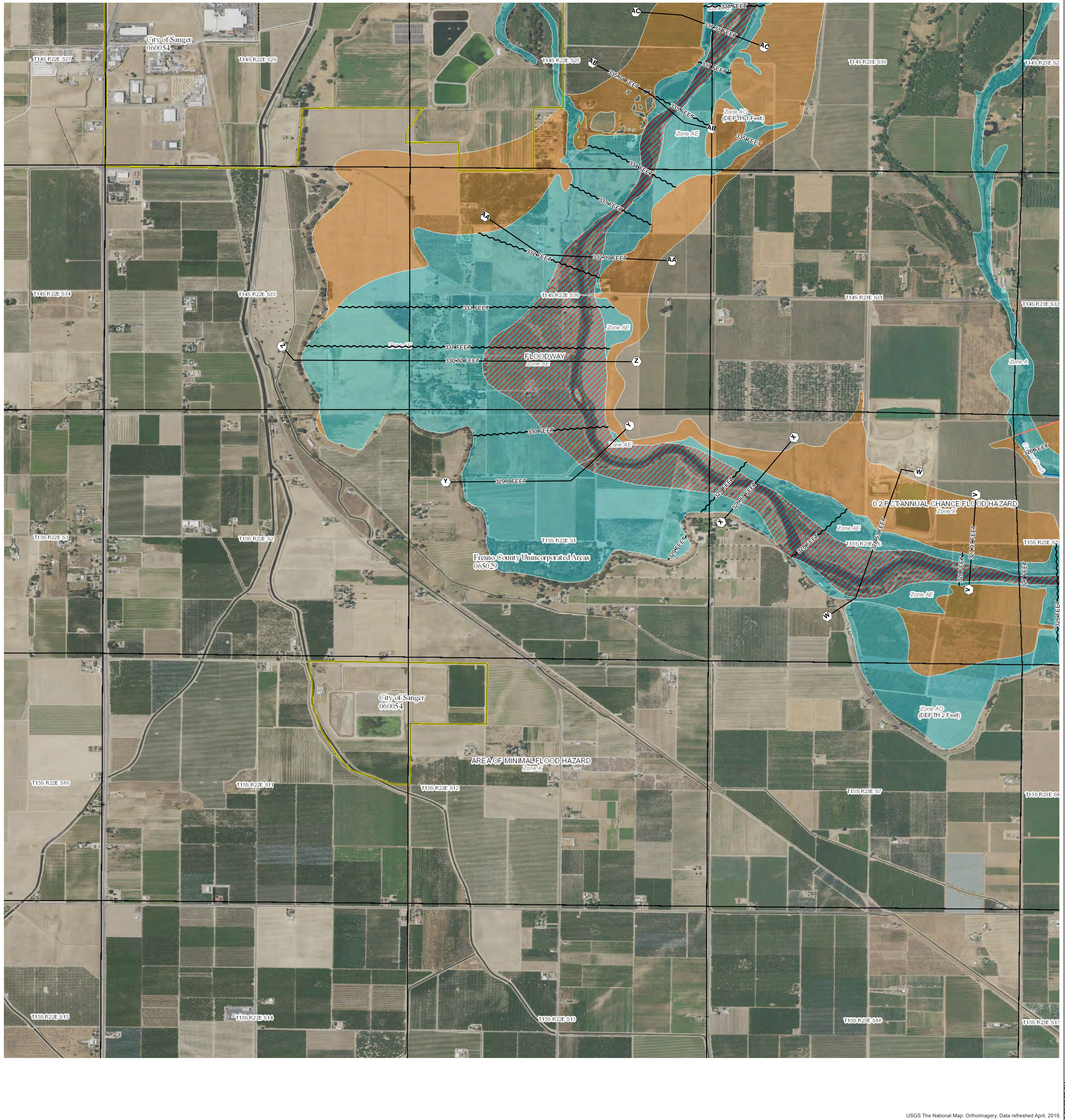
CMAQ - Goodfellow Ave Shoulder Improvements from 0.710mi e/o Channel Rd to Reed Ave

GEOTRACKER

Retrieved 03/18/2020



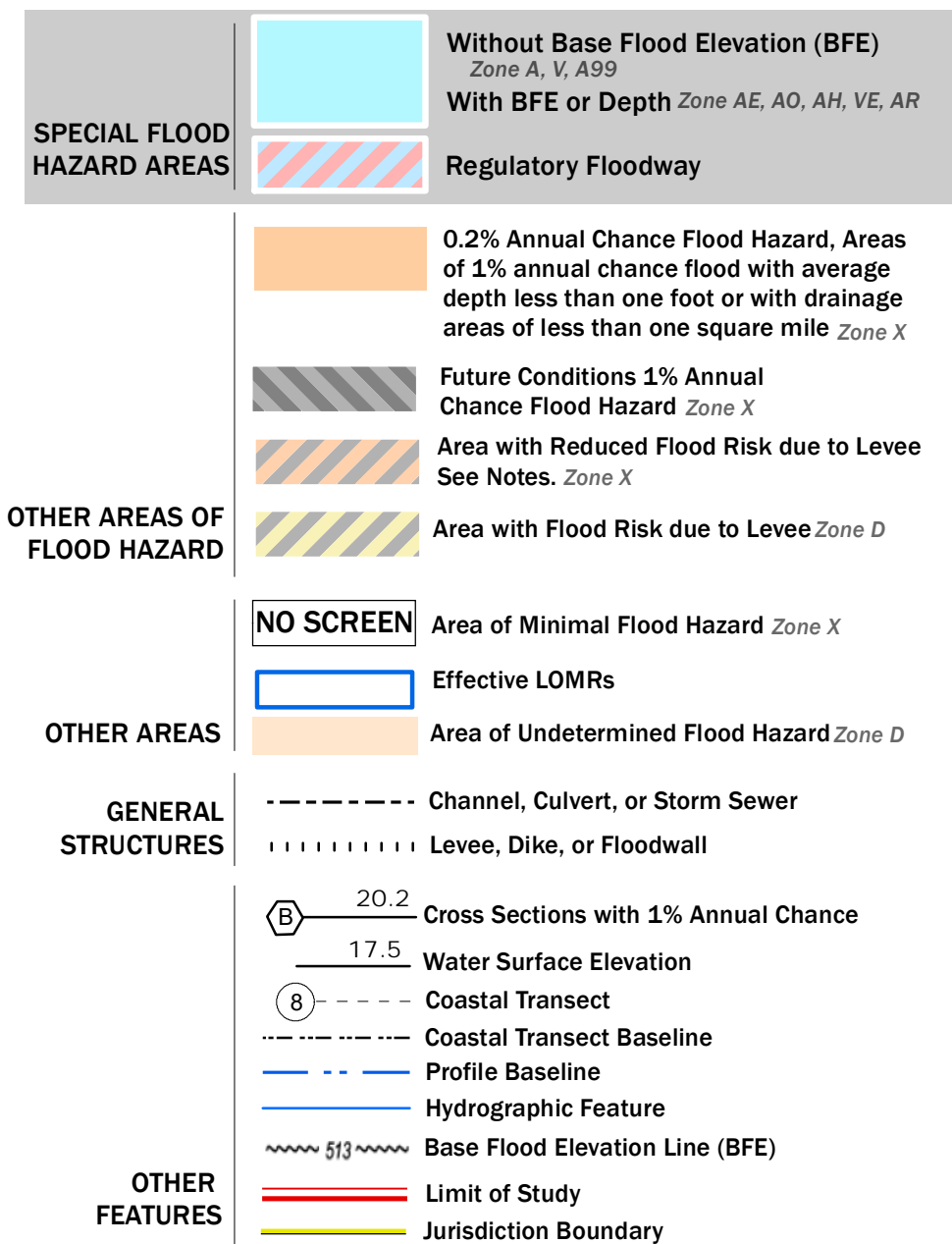
ATTACHMENT F



USGS The National Map: Orthoimagery, Data refreshed April, 2019.
36°37'16.70"N

FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT



NOTES TO USERS

For information and questions about this Flood Insurance Rate Map (FIRM), available products associated with this FIRM, including historic versions, the current map date for each FIRM panel, how to order products, or the National Flood Insurance Program (NFIP) in general, please call the FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA Flood Map Service Center website at <http://msc.fema.gov>. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM Index. These may be ordered directly from the Flood Map Service Center at the number listed above.

For community and countywide map dates refer to the Flood Insurance Study Report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

Basemap information shown on this FIRM was provided in digital format by USDA, Farm Service Agency (FSA). This information was derived from NAIP, dated April 11, 2018.

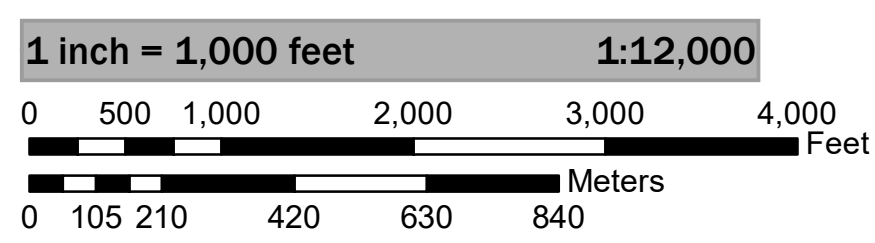
This map was exported from FEMA's National Flood Hazard Layer (NFHL) on 3/19/2020 1:48:39 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time. For additional information, please see the Flood Hazard Mapping Updates Overview Fact Sheet at <https://www.fema.gov/media-library/assets/documents/118418>.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date.

SCALE

Map Projection: GCS, Geodetic Reference System 1983;
Vertical Datum: NAVD83
For information about the specific vertical datum for elevation features, datum conversions, or vertical monuments used to create this map please see the Flood Insurance Study(FIS) Report for your community at <https://msc.fema.gov>



NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP

FRESNO COUNTY, CALIFORNIA
AND INCORPORATED AREAS

PANEL 2170 OF 3525

Panel Contains:

COMMUNITY	NUMBER	PANEL
FRESNO COUNTY UNINCORPORATED AREAS	065029	2170
CITY OF SANGER CALIFORNIA	060054	2170

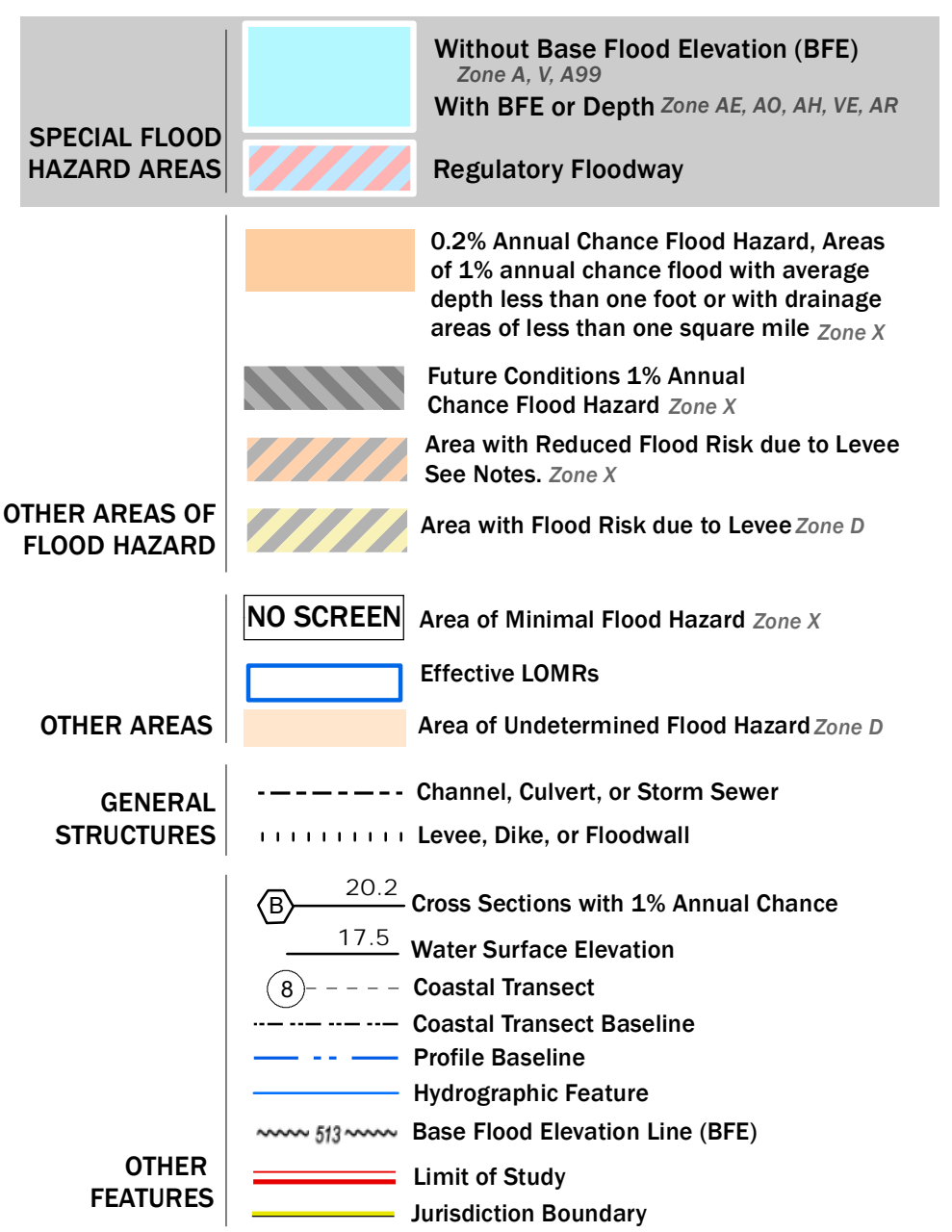
ATTACHMENT F



USGS The National Map: Orthoimagery, Data refreshed April, 2019. 36°41'28.34"N 119°30'4.03"W 36°37'16.70"N

FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT



NOTES TO USERS

For information and questions about this Flood Insurance Rate Map (FIRM), available products associated with this FIRM, including historic versions, the current map date for each FIRM panel, how to order products, or the National Flood Insurance Program (NFIP) in general, please call the FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA Flood Map Service Center website at <http://msc.fema.gov>. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM Index. These may be ordered directly from the Flood Map Service Center at the number listed above.

For community and countywide map dates refer to the Flood Insurance Study Report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

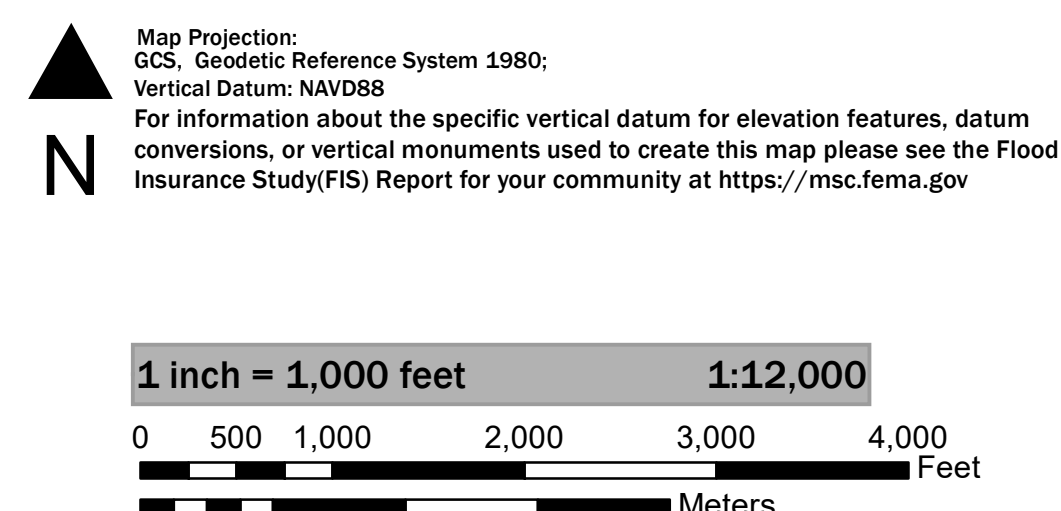
Basemap information shown on this FIRM was provided in digital format by USDA, Farm Service Agency (FSA). This information was derived from NAIP, dated April 11, 2018.

This map was exported from FEMA's National Flood Hazard Layer (NFHL) on 3/19/2020 1:40:31 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time. For additional information, please see the Flood Hazard Mapping Updates Overview Fact Sheet at <https://www.fema.gov/media-library/assets/documents/118418>.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date.

SCALE



NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP

FRESNO COUNTY, CALIFORNIA
AND INCORPORATED AREAS
PANEL 2190 OF 3525

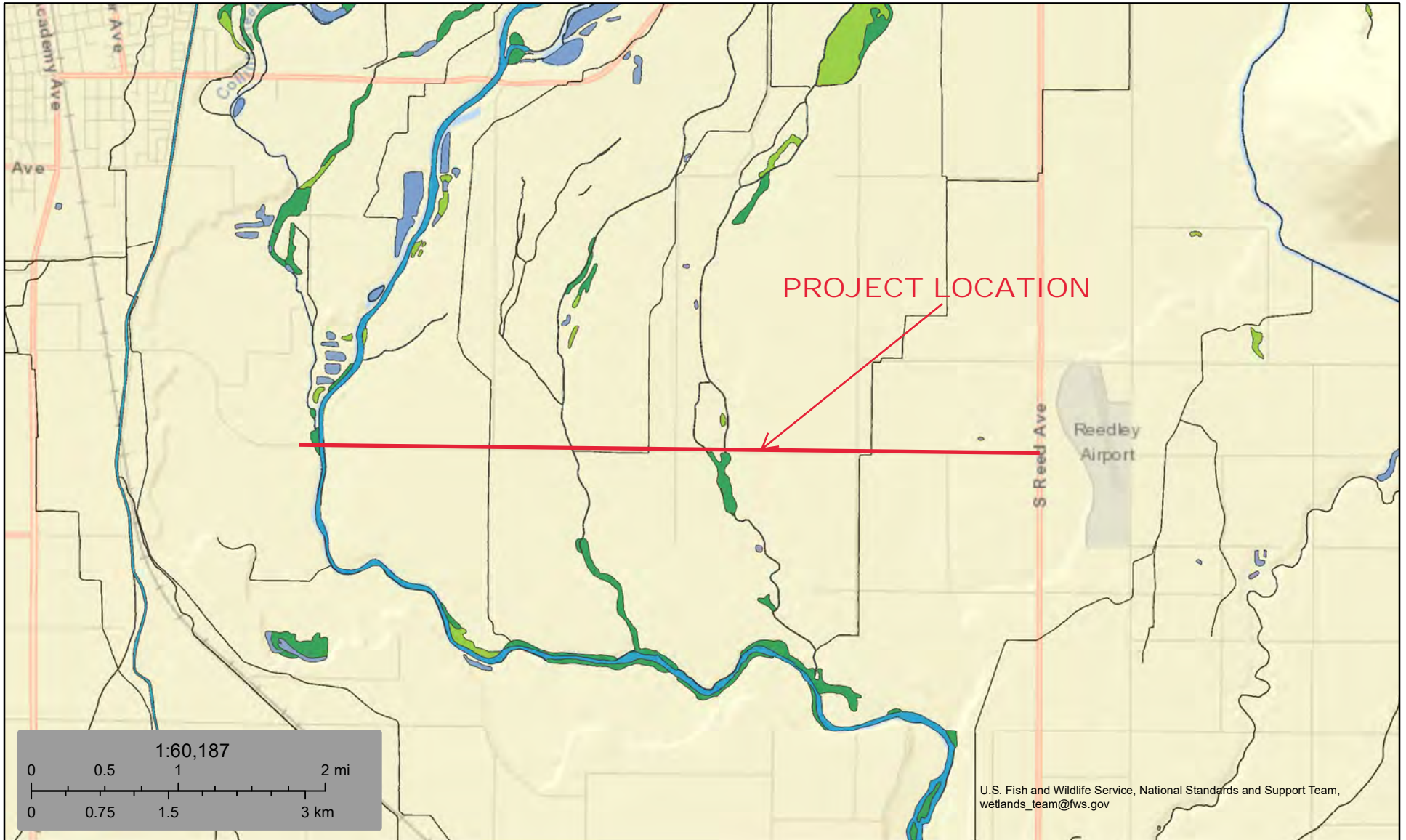
Panel Contains:

COMMUNITY	NUMBER	PANEL
CITY OF REEDLEY CALIFORNIA	060053	2190
FRESNO COUNTY UNINCORPORATED AREAS CALIFORNIA	065029	2190

MAP NUMBER
06019C2190H
EFFECTIVE DATE
02/18/2009



CMAQ - Goodfellow Ave Shoulder Improvements



March 19, 2020

Wetlands

- | | | |
|--------------------------------|-----------------------------------|----------|
| Estuarine and Marine Deepwater | Freshwater Emergent Wetland | Lake |
| Estuarine and Marine Wetland | Freshwater Forested/Shrub Wetland | Other |
| | Freshwater Pond | Riverine |

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

IPaC

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Fresno County, California



Local office

Sacramento Fish And Wildlife Office

☎ (916) 414-6600

📅 (916) 414-6713

Federal Building

2800 Cottage Way, Room W-2605

Sacramento, CA 95825-1846

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population, even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species¹ and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries²).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information.
2. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Mammals

NAME

STATUS

Fresno Kangaroo Rat *Dipodomys nitratoides exilis* Endangered
 There is **final** critical habitat for this species. Your location is outside the critical habitat.
<https://ecos.fws.gov/ecp/species/5150>

San Joaquin Kit Fox *Vulpes macrotis mutica* Endangered
 No critical habitat has been designated for this species.
<https://ecos.fws.gov/ecp/species/2873>

Birds

NAME	STATUS
Yellow-billed Cuckoo <i>Coccyzus americanus</i> There is proposed critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/3911	Threatened

Reptiles

NAME	STATUS
Blunt-nosed Leopard Lizard <i>Gambelia silus</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/625	Endangered
Giant Garter Snake <i>Thamnophis gigas</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/4482	Threatened

Amphibians

NAME	STATUS
California Red-legged Frog <i>Rana draytonii</i> There is final critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/2891	Threatened
California Tiger Salamander <i>Ambystoma californiense</i> There is final critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/2076	Threatened

Fishes

NAME	STATUS
------	--------

Delta Smelt *Hypomesus transpacificus*

Threatened

There is **final** critical habitat for this species. Your location is outside the critical habitat.

<https://ecos.fws.gov/ecp/species/321>

Crustaceans

NAME

STATUS

Vernal Pool Fairy Shrimp *Branchinecta lynchi*

Threatened

There is **final** critical habitat for this species. Your location is outside the critical habitat.

<https://ecos.fws.gov/ecp/species/498>

Flowering Plants

NAME

STATUS

Greene's Tuctoria *Tuctoria greenei*

Endangered

There is **final** critical habitat for this species. Your location is outside the critical habitat.

<https://ecos.fws.gov/ecp/species/1573>

San Joaquin Adobe Sunburst *Pseudobahia peirsonii*

Threatened

No critical habitat has been designated for this species.

<https://ecos.fws.gov/ecp/species/2931>

San Joaquin Orcutt Grass *Orcuttia inaequalis*

Threatened

There is **final** critical habitat for this species. Your location is outside the critical habitat.

<https://ecos.fws.gov/ecp/species/5506>

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern <http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>
- Measures for avoiding and minimizing impacts to birds <http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Nationwide conservation measures for birds <http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf>

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern](#) (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ [below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME

BREEDING SEASON (IF A BREEDING SEASON IS INDICATED FOR A BIRD ON YOUR LIST, THE BIRD MAY BREED IN YOUR PROJECT AREA SOMETIME WITHIN THE TIMEFRAME SPECIFIED, WHICH IS A VERY LIBERAL ESTIMATE OF THE DATES INSIDE WHICH THE BIRD BREEDS ACROSS ITS ENTIRE RANGE. "BREEDS ELSEWHERE" INDICATES THAT THE BIRD DOES NOT LIKELY BREED IN YOUR PROJECT AREA.)

Common Yellowthroat <i>Geothlypis trichas sinuosa</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/2084	Breeds May 20 to Jul 31
Lawrence's Goldfinch <i>Carduelis lawrencei</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9464	Breeds Mar 20 to Sep 20
Lewis's Woodpecker <i>Melanerpes lewis</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9408	Breeds Apr 20 to Sep 30
Nuttall's Woodpecker <i>Picoides nuttallii</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9410	Breeds Apr 1 to Jul 20
Oak Titmouse <i>Baeolophus inornatus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9656	Breeds Mar 15 to Jul 15
Song Sparrow <i>Melospiza melodia</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds Feb 20 to Sep 5
Spotted Towhee <i>Pipilo maculatus clementae</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/4243	Breeds Apr 15 to Jul 20
Tricolored Blackbird <i>Agelaius tricolor</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/3910	Breeds Mar 15 to Aug 10
Wrentit <i>Chamaea fasciata</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Mar 15 to Aug 10

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ “Proper Interpretation and Use of Your Migratory Bird Report” before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

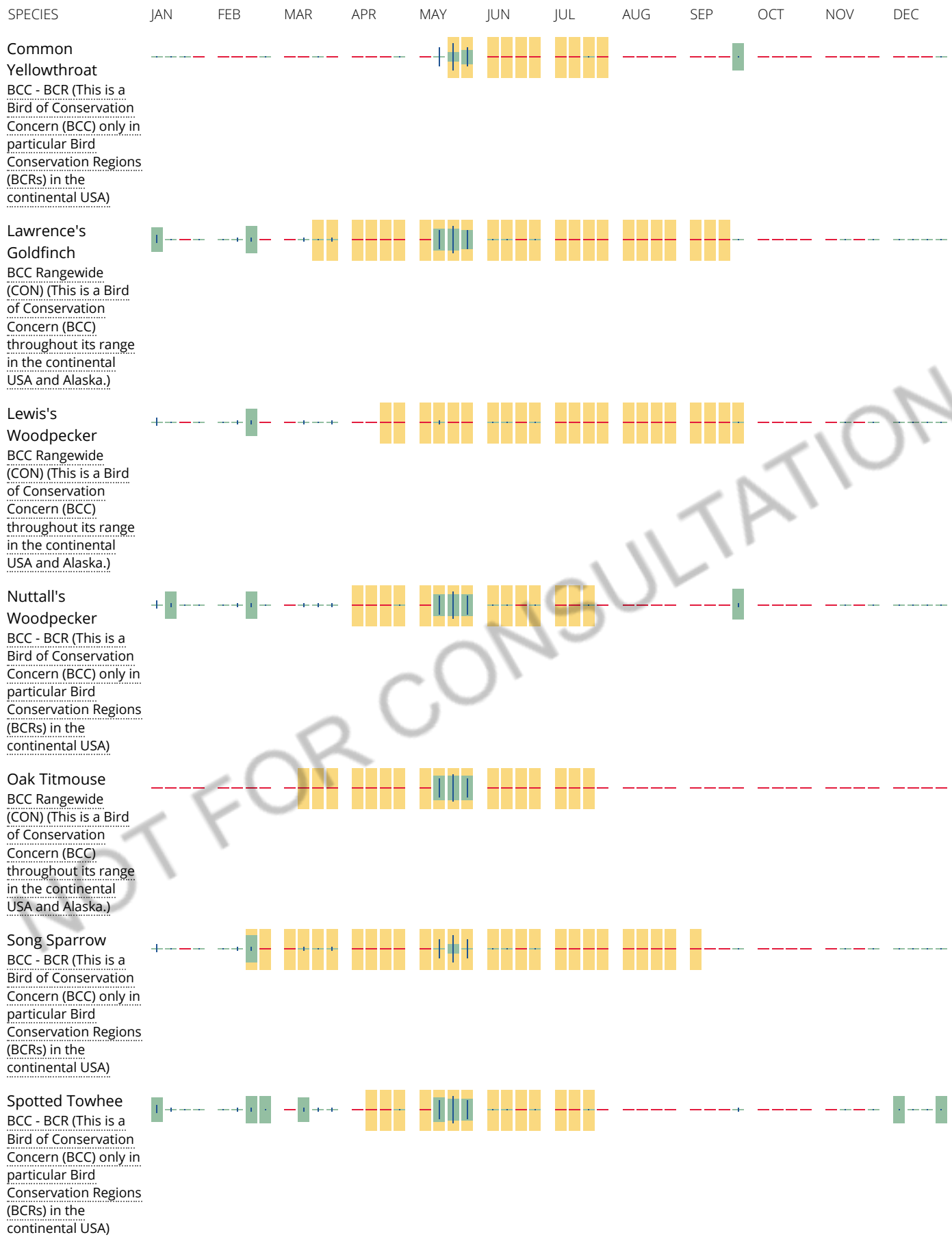
No Data (—)

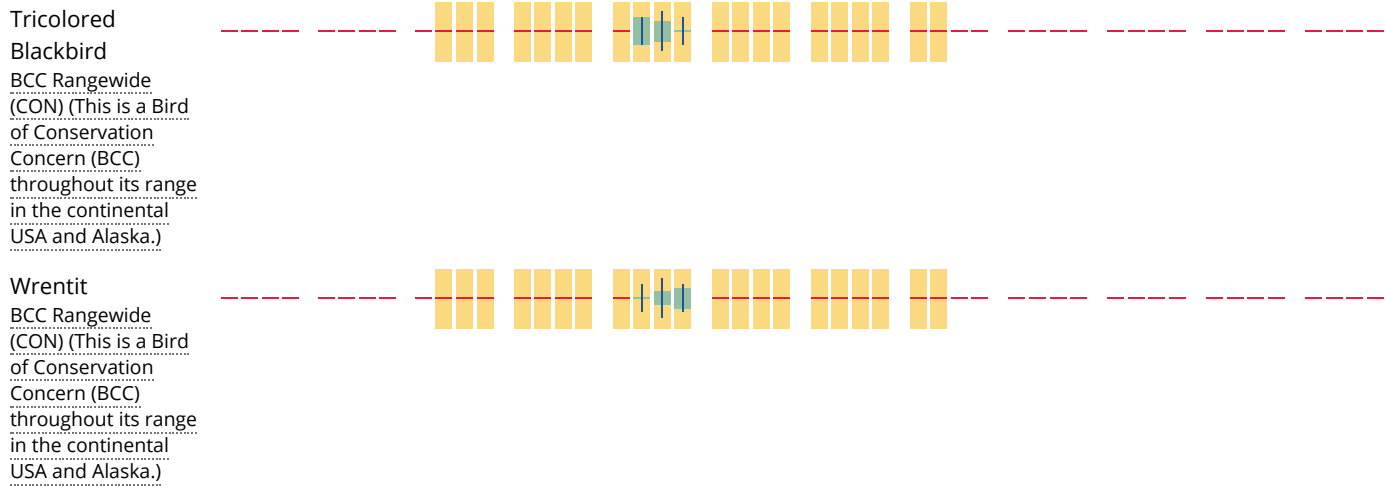
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

■ probability of presence ■ breeding season | survey effort — no data





Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) and/or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [AKN Phenology Tool](#).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: [The Cornell Lab of Ornithology All About Birds Bird Guide](#), or (if you are unsuccessful in locating the bird of interest there), the [Cornell Lab of Ornithology Neotropical Birds guide](#). If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to

confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS AT THIS LOCATION.

Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

Wetlands in the National Wetlands Inventory

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

This location overlaps the following wetlands:

FRESHWATER FORESTED/SHRUB WETLAND

[Palustrine](#)

RIVERINE

[Riverine](#)

A full description for each wetland code can be found at the [National Wetlands Inventory website](#)

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

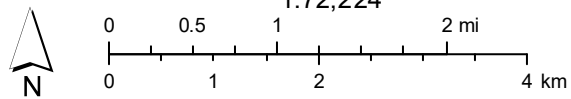
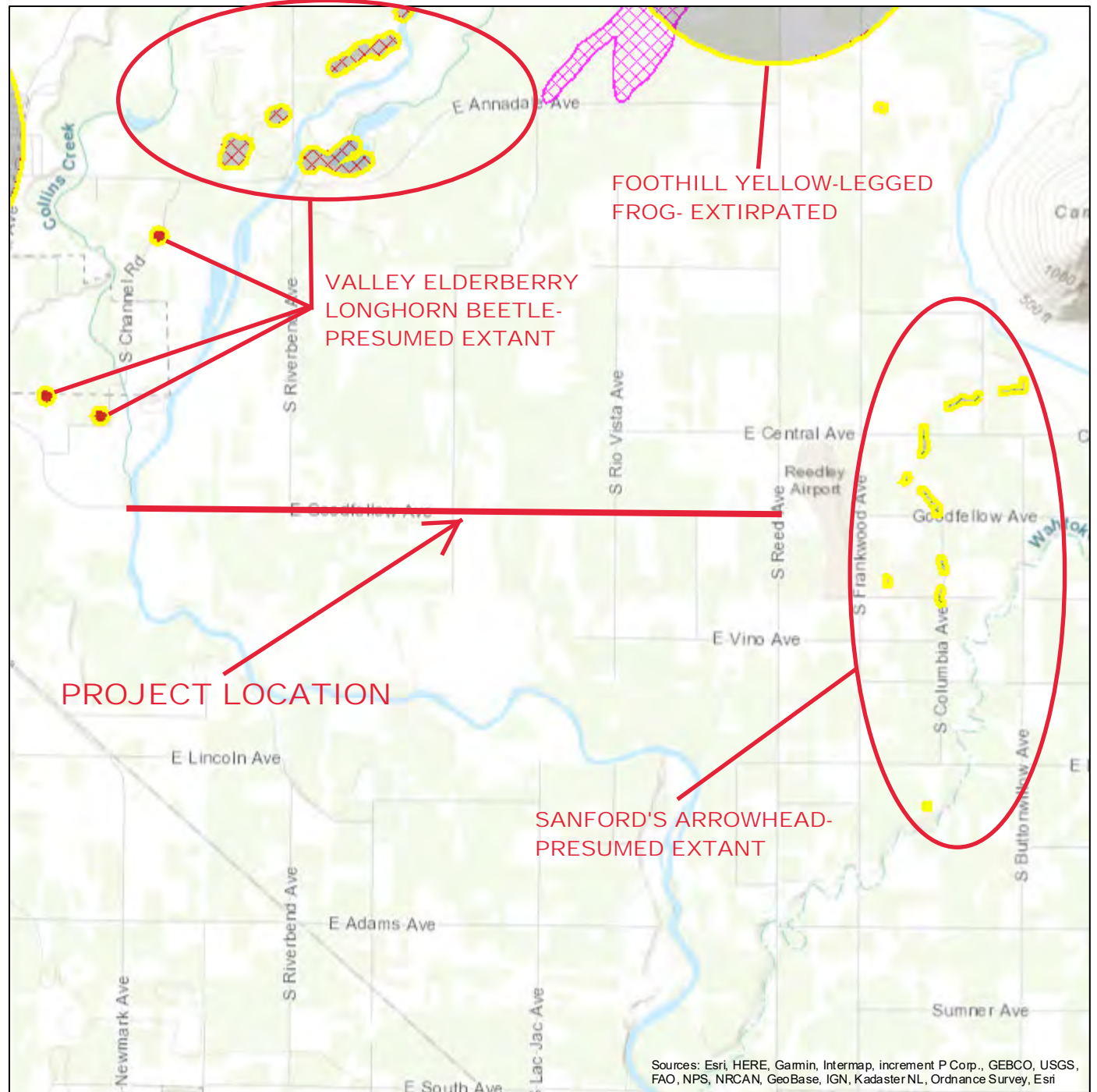
Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

ATTACHMENT I

CNDDDB Map of Plant and Animal Occurrences

California Natural Diversity Database (CNDDDB) Government [ds45]

- Plant (80m)
- Plant (specific)
- Plant (non-specific)
- Plant (circular)
- Animal (80m)
- Animal (specific)
- Animal (non-specific)
- Animal (circular)
- Terrestrial Comm. (80m)
- Terrestrial Comm. (specific)
- Terrestrial Comm. (non-specific)
- Terrestrial Comm. (circular)
- Aquatic Comm. (80m)
- Aquatic Comm. (specific)
- Aquatic Comm. (non-specific)
- Aquatic Comm. (circular)
- Multiple (80m)
- Multiple (specific)
- Multiple (non-specific)
- Multiple (circular)



March 19, 2020

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri

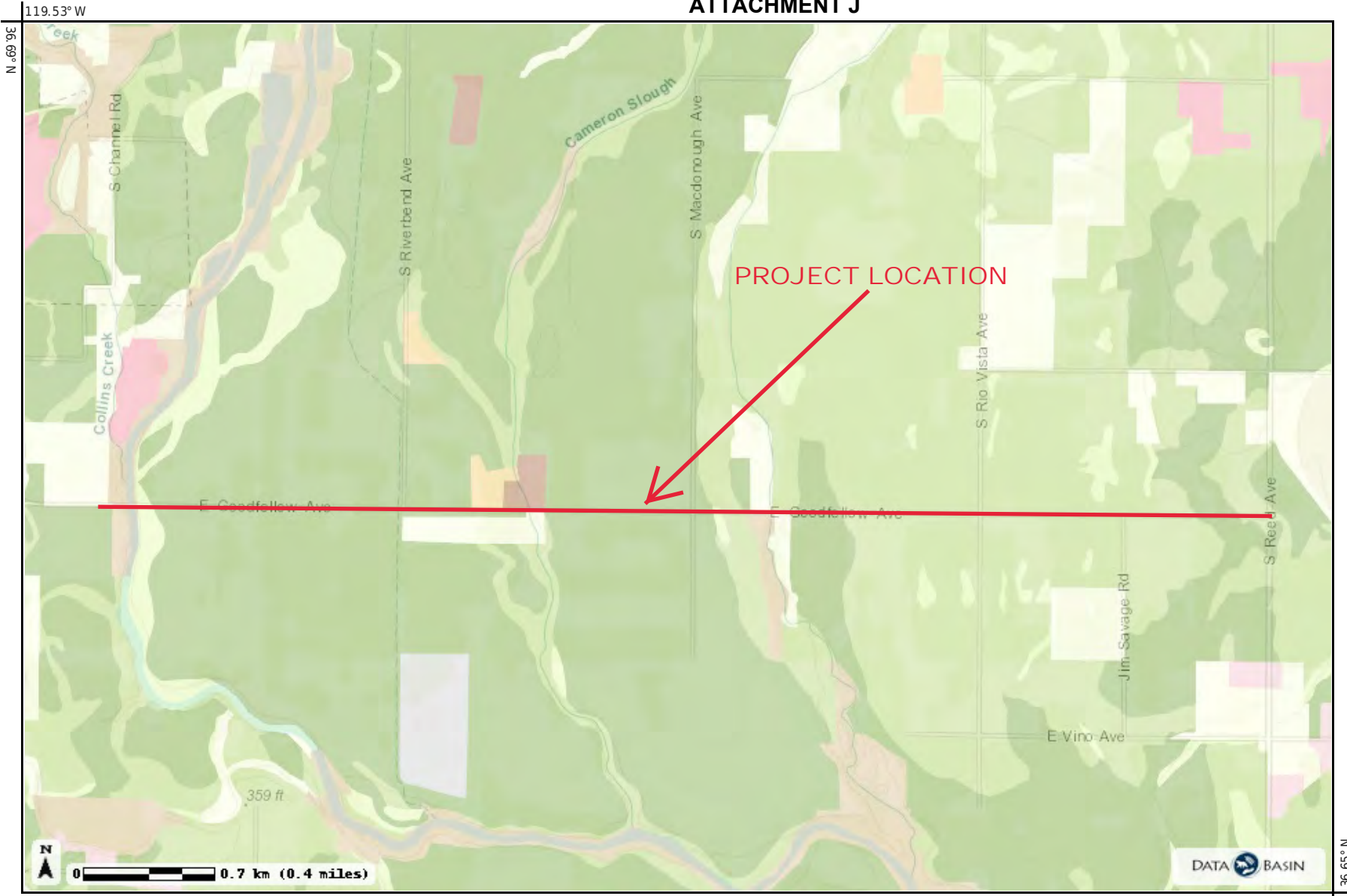
ATTACHMENT J

Legend

California - Farmland Mapping and Monitoring Program (FMMP), 2014/2016

Displaying:
polygon_type

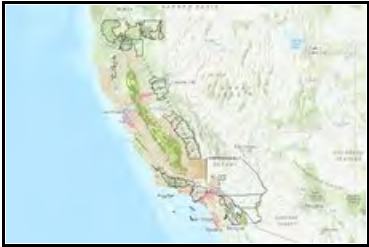
- Prime Farmland
- Farmland of Statewide Importance
- Unique Farmland
- Farmland of Local Importance
- Grazing Land
- Confined Animal Agriculture
- NonAgricultural and Natural Vegetation
- Semi-Agricultural and Rural Commercial Land
- Vacant or Disturbed Land
- Rural Residential Land
- Urban and Built-Up Land
- Water
- Area Not Mapped



Map Details

ATTACHMENT J

Datasets



California - Farmland Mapping and Monitoring Program (FMMP), 2014/2016

<https://databasin.org/datasets/b83ea1952fea44ac9fc62c60dd57fe48>

Credits: California Department of Conservation, Division of Land Resource Protection, Farmland Mapping and Monitoring Program

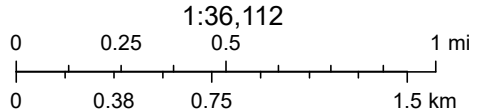
Layers: ● California - Farmland Mapping and Monitoring Program (FMMP), 2014/2016

ATTACHMENT K Zoning Map | CMAQ - Goodfellow Ave Shoulder Improvements



3/19/2020, 1:58:47 PM

Zoning



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri

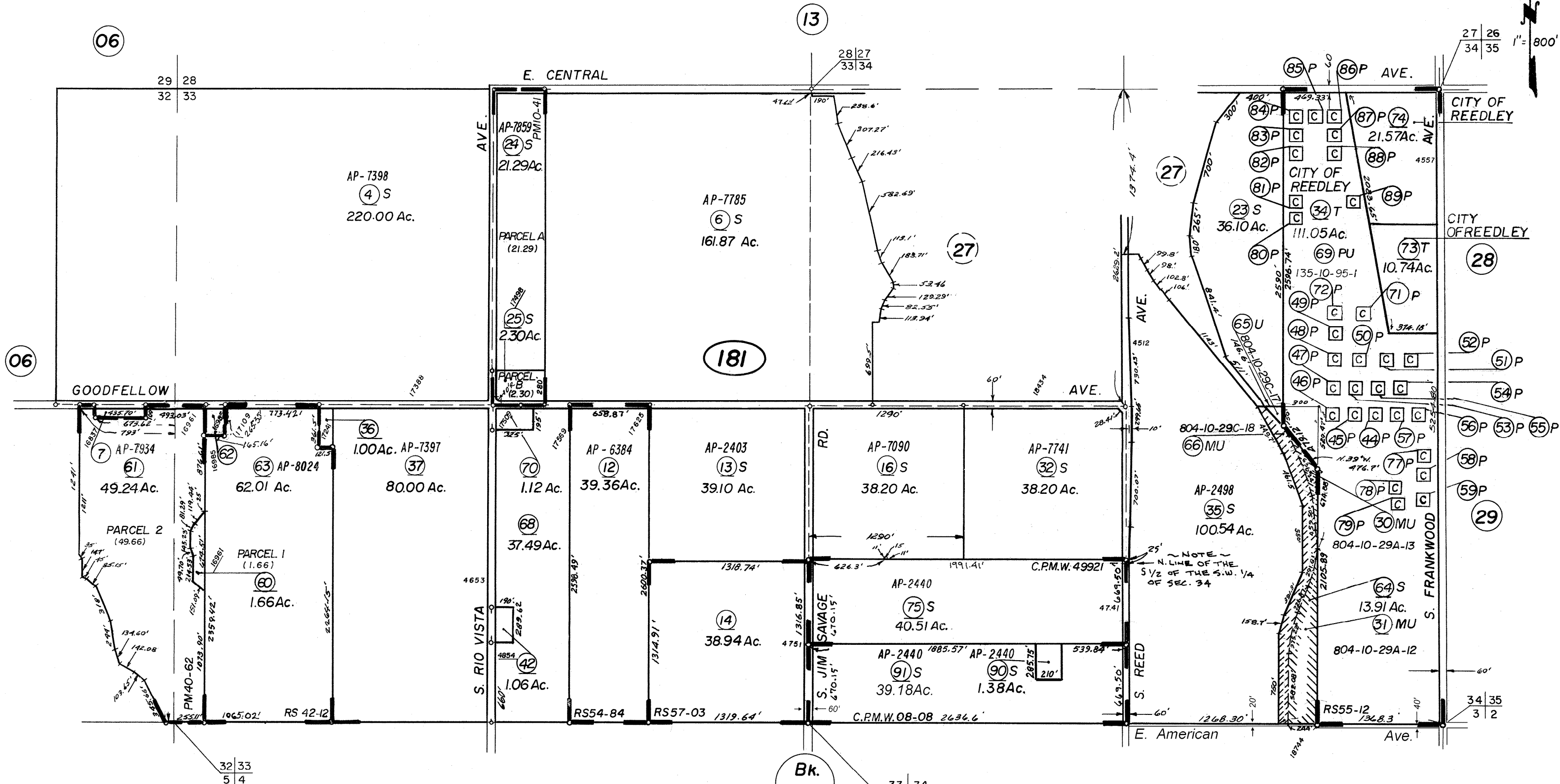
— NOTE —
This map is for Assessment purposes only.
It is not to be construed as portraying legal
ownership or divisions of land for purposes
of zoning or subdivision law.

POR. SECS. 32, 33, & 34, T. 14S., R. 23E. M.D.B. & M.

ATTACHMENT L

Tax Area
8-031
8-056
169-001
169-041

333-18



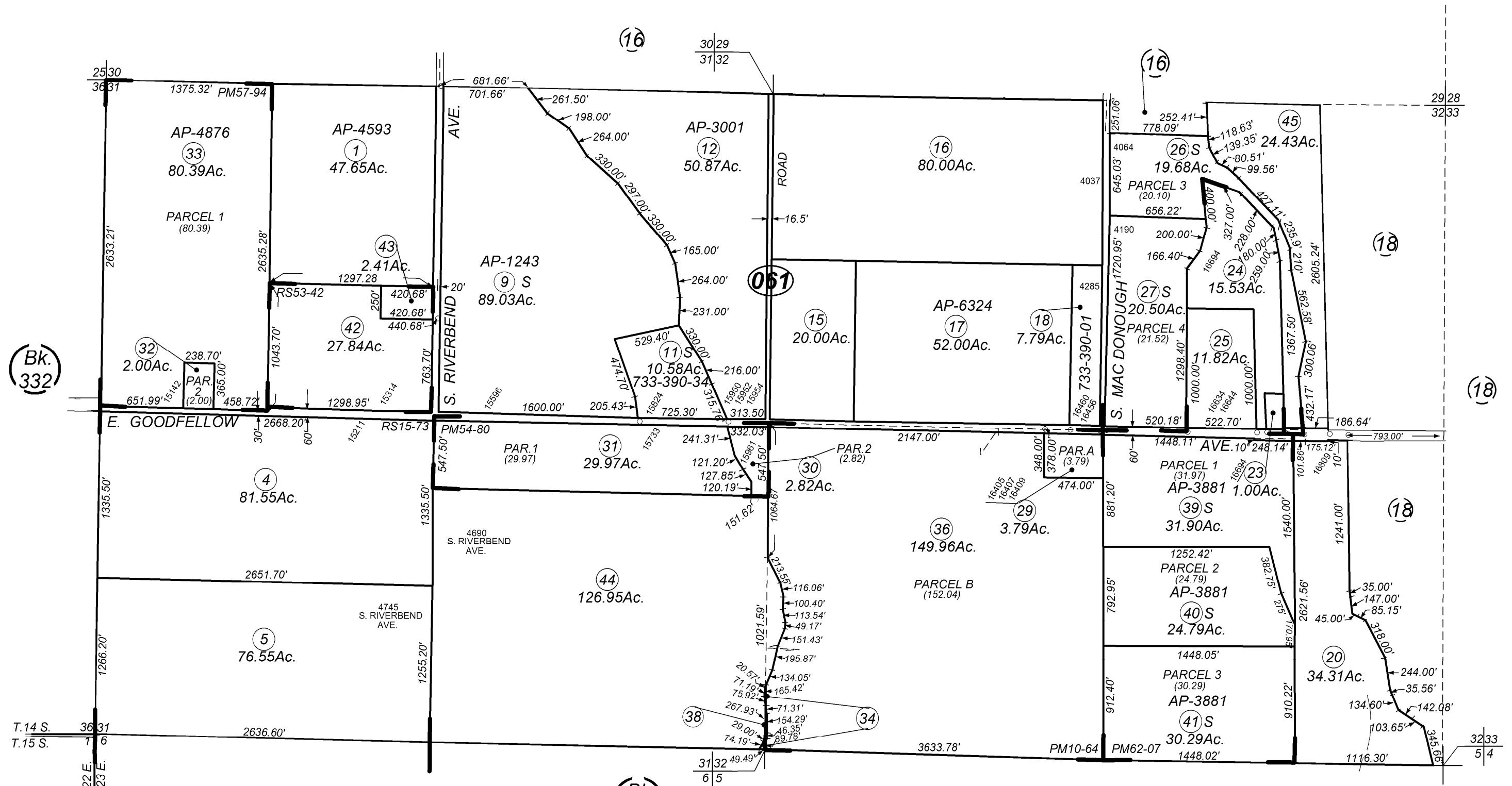
Agricultural Preserve
Parcel Map No. 1763 - Bk. 10, Pg. 41
Parcel Map No. 6223 - Bk. 40, Pg. 62
Record of Survey - Bk. 42, Pg. 12
Certificate of Parcel Map Waiver - Doc. No. 98049921, 4-10-98
Certificate of Parcel Map Waiver - Doc. No. 6719, 1-21-09

Record of Survey - Bk. 54, Pg. 84
Record of Survey - Bk. 55, Pg. 12
Record of Survey - Bk. 57, Pg. 03
NOTE - Assessor's Block Numbers Shown in Ellipses.
Assessor's Parcel Numbers Shown in Circles.

Assessor's Map Bk. 333 - Pg. 18
County of Fresno, Calif.

-NOTE- This map is for Assessment purposes only. It is not to be construed as portraying legal ownership or divisions of land for purposes of zoning or subdivision. law.

ATTACHMENT L



Agricultural Preserve
Parcel Map No.1296 - Bk.10, Pg.64
Parcel Map No.2185 - Bk.13, Pg.64
Parcel Map No.7531 - Bk.54, Pgs.80 & 81

Parcel Map No.7686 - Bk.57, Pgs.94 & 95
Parcel Map No.7843 - Bk.62, Pgs.7 & 8
Record of Survey - Bk. 15, Pg. 73
Record of Survey - Bk. 53, Pg. 42

Assessor's Map Bk.333 - Pg.06
County of Fresno, Calif.

Note - Assessor's Block Numbers Shown in Ellipses
Assessor's Parcel Numbers Shown in Circles

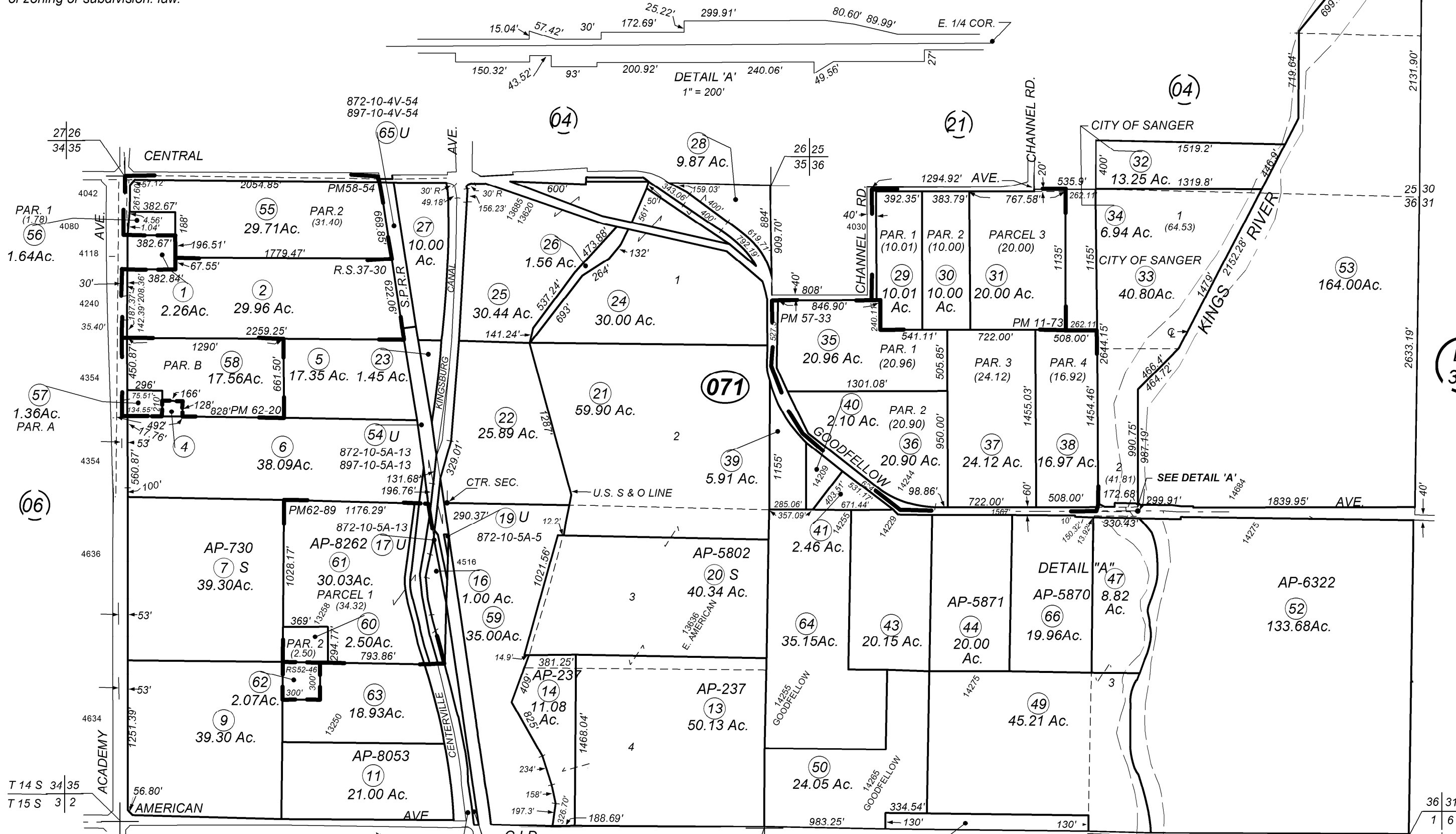
-NOTE-
This map is for Assessment purposes only.
It is not to be construed as portraying legal
ownership or divisions of land for purposes
of zoning or subdivision. law.

POR. SEC. 25 & SEC'S. 35 & 36 T.14S., R.22E., M.D.B.&M.

ATTACHMENT L

Tax Rate Area
71-000
156-002
169-001

332-07



Agricultural Preserve
Parcel Map No. 1921 - Bk. 11, Pg. 73
Parcel Map No. 7661 - Bk. 57, Pgs. 33 - 35
Parcel Map No. 7689-Bk. 58, Pg.54
Parcel Map No. 7837-Bk. 62, Pg.20

Parcel Map No. 7863-Bk. 62, Pgs. 89-90
Record of Survey - Bk.37, Pg. 30
Record of Survey - Bk.52, Pg. 46

Note - Assessor's Block Numbers Shown in Ellipses
Assessor's Parcel Numbers Shown in Circles

Assessor's Map Bk.332 - Pg.07
County of Fresno, Calif.



Cal-IPC Rating: Moderate

Other ratings: CDFA B, Bay Area (BAEDN) priority target

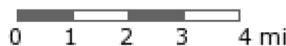
Species Description: *Acrotilon repens* (Russian knapweed) is a perennial forb (family *Asteraceae*) found heavily through out California. It may have allelopathic properties. This plant is toxic to horses and crowds out native species.

Additional information: See Cal-IPC's [Plant Profiles](#) or Calflora's [Taxon Report](#)



Photo courtesy of David Chang

Abundance	Trend	Verification Needed
low	Spreading	Verify Quad
medium	Managed, spreading	Verify Species
high	Managed, decreasing	
	Eradicated	



Abundance and trend by USGS 7.5-minute quadrangle. See ? on Maps for additional information on map legend.





How To Use This Report

This report provides distribution and suitability maps that can be used in conjunction with the Report on Management Opportunities as a starting place for setting regional priorities. The maps show the spatial factors that determine surveillance, eradication, and containment opportunities.

Suitability maps can be used to further assess the potential for an invasive plant species to spread into a new area. Predicted change in future suitability allow natural resource managers to prepare for new conditions, and may be used to elevate or demote the priority of a particular species in a particular area.

For current distribution, we interviewed local experts to determine abundance, spread and management by USGS 7.5-minute quadrangle (approximately 8 mi x 6 mi). We also incorporated occurrence data from Calflora, the Consortium of California Herbaria, and other collected datasets.

CalWeedMapper displays projected suitable range in 2010, projected suitable range in 2050, and the change (expansion or reduction) in range between those dates. Suitable range for 2050 shows areas where at least four of the 17 GCMs agreed. Our projections are based on climate only and do not consider factors such as soil, vegetation communities, and methods of spread. For more detailed information on our methods, [click here](#).

Change in Suitable Range, 2010 - 2050



- Suitable range** indicates area where suitability for this species is unchanged from 2010-2050.
- Expanded range** indicates area which is unsuitable in 2010 but is projected to be suitable in 2050.
- Reduced range** indicates area which is suitable in 2010 but is projected to be unsuitable in 2050.

Climate change scenario: A2
 Occurrence points used: 193
 Minimum distance between occurrences:
 0.008300
 Area under the curve (AUC): 0.882000
 Applied threshold (specificity equals sensitivity):
 0.218000

ATTACHMENT N

