

Addendum to the Environmental Impact
Report for the Crows Landing Industrial
Business Park Specific Plan
State Clearinghouse No. 2014102035



CROWS LANDING
INDUSTRIAL BUSINESS
PARK & AIRFIELD

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- Appendix A. Mitigation Monitoring and Reporting Plan
- Appendix B. CLIBP Phase 1A Water Supply Emissions Estimates
- Appendix C. Aquatic Resources Delineation Report and Special-Status Plant Survey Memorandum
- Appendix D. Representative Photos for Biological Survey of the Relocated Water Well Site
- Appendix E. EDR Report
- Appendix F. Figures from the Del Puerto Canyon Reservoir Final EIR – Dam Inundation

Reference Documents

(Under separate cover and available for review on file with the County Planning and Community Development Department)

- Crows Landing Industrial Business Park Water Study (May 2020)
- Crows Landing Industrial Business Park Well 1 – Well Design Report (August 2020)
- Crows Landing Industrial Business Park Phase 1A Wastewater System Infrastructure Design Study (May 2020)
- Crows Landing Industrial Park Drainage Study (November 2020)

Confidential Reference Documents

(Under separate cover and on file with the County Planning and Community Development Department because of the confidential nature of records and maps)

- Cultural Resources Inventory and Integrity Assessment for the Proposed Modified Project Well Site and Pipeline Alignment (September 2020)

1 INTRODUCTION

1.1 Project Background and Overview

As Lead Agency, the County of Stanislaus (County) prepared an Environmental Impact Report (EIR) for the Crows Landing Industrial Business (CLIBP) Specific Plan and Associated Update to the Airport Land Use Compatibility Plan (ALUCP) (State Clearinghouse No. 2014102035). The EIR evaluated the potential environmental consequences of approval and implementation of the CLIBP Specific Plan (referred to herein as the “Approved Project”). In compliance with the California Environmental Quality Act (CEQA), a Notice of Preparation (NOP) was issued by the County on October 13, 2014 for a 30-day public review period ending November 13, 2014. During the NOP public review period, the County held two public scoping meetings on October 23 and 30, 2014. Thereafter, the County prepared a Draft Environmental Impact Report (Draft EIR). The Draft EIR was circulated for a 90-day public review period from January 22, 2018 through April 26, 2018. Written responses to comments on environmental issues that were received during the comment period were prepared and included in the Final EIR. The Final EIR also included text revisions to the Draft EIR in response to the public comments and to clarify Approved Project details. The Final EIR was certified by the County Board of Supervisors (County Board) on October 30, 2018.

The Approved Project included approval by the Stanislaus Airport Land Use Commission (ALUC) of the Airport Layout Plan and adoption of an ALUCP Amendment. The ALUCP Amendment added a new public-use, general aviation airport by refurbishing one of the former military runways to create the new airport to serve Crows Landing. The Approved Project also included adoption by the County Board of the CLIBP Specific Plan, a General Plan Amendment (GPA), and a Rezone Application. The GPA changed the Land Use Designation from Agriculture to Specific Plan, and the Rezone changed the Zone Classification from A-2 (General Agriculture) to S-P2 (Specific Plan). The Stanislaus ALUC approved the ALUCP Amendment for the Crows Landing Airport on November 15, 2018. The County Board approved the CLIBP Specific Plan, GPA, and Rezone on December 4, 2018.

The supporting infrastructure for the Phase 1A portion of the Approved Project analyzed in the Final EIR included an internal roadway network and a water supply system, wastewater system, drainage system, and utilities. As the engineering details progressed for Phase 1A, the County identified infrastructure modifications, resulting in adjustments to the water, wastewater, and drainage systems that were originally analyzed within the Final EIR. The proposed modifications to the approved water, wastewater, and drainage systems, described in Section 2, below, are referred to herein as the “Proposed Modified Project.” **Table 1-1** provides a comparison of the Proposed Modified Project and the Approved Project.

Table 1-1. Comparison of Supporting Infrastructure for Phase 1A CLIBP Specific Plan Features

Phase 1A Features	CLIBP Specific Plan (Approved Project)	2020 Proposed Modified Project
Water System	<ul style="list-style-type: none">• One (1) well located within the CLIBP Specific Plan footprint• Separate potable and non-potable systems	<ul style="list-style-type: none">• One (1) well located off-site (Bonita Road, north of Bonita Elementary School)• One (1) potable water system
Wastewater System	<ul style="list-style-type: none">• Dispersal System for each individual building• Gravity Trunk Main	<ul style="list-style-type: none">• Combined dispersal system for all buildings located in one area

Phase 1A Features	CLIBP Specific Plan (Approved Project)	2020 Proposed Modified Project
		<ul style="list-style-type: none"> • Adjustment to alignments of wastewater pipelines to follow internal roadway network • Gravity Trunk Main
Drainage	<ul style="list-style-type: none"> • Linear detention basin to parallel eastern site boundary or multiple detention basins • Convey on and off-site runoff • Pre- and post-Project runoff will have no net increase 	<ul style="list-style-type: none"> • Linear detention/infiltration basin to parallel the Delta-Mendota Canal • Convey on and off-site runoff • Pre- and post-Project runoff would have no net increase

This Addendum to the EIR (Addendum) evaluates whether the proposed modifications to the Approved Project would result in new or substantially more severe significant environmental impacts disclosed in the Final EIR.

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1.2 Basis for an EIR Addendum

An agency may prepare an addendum to a certified EIR pursuant to CEQA Guidelines Section 15164 which states, in pertinent part, that an addendum may be prepared “if some changes or additions are necessary but none of the conditions described in Section 15162 calling for the preparation of a subsequent EIR have occurred.” Section 15162 states that a subsequent EIR is required if any of the following conditions exist:

1. Substantial changes are proposed in the project which will require major revisions to the previous EIR or negative declaration due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified effects;
2. Substantial changes occur with respect to the circumstances under which the project is undertaken which will require major revisions of the previous EIR or negative declaration due to the involvement of new significant environmental effects or a substantial increase in the severity of previously identified significant effects; or
3. New information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the previous EIR was certified as complete of the negative declaration was adopted, shows any of the following:
 - a. The project will have one or more significant effects not discussed in the previous EIR;
 - b. Significant effects previously examined will be substantially more severe than shown in the previous EIR;
 - c. Mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects of the project, but the project proponents decline to adopt the mitigation measure or alternative; or

- d. Mitigation measures or alternatives which are considerably different from those analyzed in the previous EIR would substantially reduce one or more significant effects on the environment, but the project proponents decline to adopt the mitigation measure or alternative.

Based on the evaluation provided in this Addendum, no new significant impacts would occur as a result of the Proposed Modified Project, nor would there be a substantial increase in the severity of any previously identified significant environmental impacts. In addition, no new information of substantial importance shows that mitigation measures or alternatives that were previously found not to be feasible or that are considerably different from those analyzed in the certified EIR would substantially reduce one or more significant effects on the environment. Therefore, none of the conditions described in CEQA Guidelines Section 15162 have occurred. For this reason, an Addendum to the Final EIR is the appropriate document to comply with CEQA requirements for the Proposed Modified Project.

1.3 Addendum Organization

This Addendum is organized as follows pursuant to the requirements of the CEQA Guidelines:

- *Chapter 1, Introduction and Overview:* This chapter describes the background of the Proposed Modified Project, explains the rationale for preparing an Addendum as the appropriate form of environmental review pursuant to CEQA, and explains the purpose, scope, and content of the Addendum.
- *Chapter 2, Modified Project Description:* This chapter provides a description of the Proposed Modified Project.
- *Chapter 3, Environmental Analysis:* This chapter evaluates whether the changes to the CLIBP Specific Plan Phase 1A infrastructure would result in new or substantially more severe significant environmental impacts as compared to the impacts disclosed in the certified EIR.
- *Chapter 4, List of Preparer:* This chapter lists the individuals involved with the preparation of the Addendum.
- *Chapter 5, References:* This chapter provides a list of references consulted to complete the Addendum.

1.4 Evaluation of Alternatives

The Final EIR addressed a reasonable range of alternatives for the Approved Project. There is no new information indicating that an alternative that was previously rejected as infeasible is in fact feasible, or that a considerably different alternative than those previously studied would substantially reduce one or more significant effects on the environment.

1.5 Adoption and Availability of Addendum

In accordance with CEQA Guidelines Section 15164(c), an addendum to an EIR need not be circulated for public review but can be included in or attached to the certified EIR. The decision-making body must consider the addendum with the certified EIR prior to making a decision on the project (CEQA Guidelines Section 15164(d)).

2 MODIFIED PROJECT DESCRIPTION

2.1 Project Location

The Crows Landing Industrial Business Park (CLIBP) is a planned industrial business park located at the site of the former National Aeronautics and Space Administration (NASA) Crows Landing Flight Facility/Ames Research Center in Stanislaus County (County), California. The Proposed Modified Project site includes the CLIBP Specific Plan (Approved Project) site Phase 1A and a new one-acre site located outside the Approved Project site. The Approved Project site encompasses approximately 1,528 acres located approximately 1.5 miles east of Interstate 5 (I-5). It is bordered by Bell Road to the east, West Marshall Road to the north, Davis Road to the west, and Fink Road to the south. The proposed off-site one-acre well site is located approximately two (2) miles to the east of the Approved Project site and approximately 3.3 miles east of I-5. This water well location is immediately north of the Bonita Elementary School baseball fields, which is bounded by Bonita Avenue/property boundaries on the east and existing agricultural fields to the north and west. A water pipeline would run from the well site along an easement south to Bonita Avenue, continue within the existing right-of-way on Bonita Avenue to Fink Road, at which point the pipeline would turn west and continue within the right-of-way for Fink Road to the CLIBP Specific Plan (Approved Project) site and the approved water and wastewater facility at the northwest corner of Fink Road and Bell Road (**Figures 2-1 and 2-2**).

2.2 Surrounding Land Uses

The Proposed Modified Project is generally surrounded by agricultural land uses, with some rural residences in the vicinity. The Delta-Mendota Canal traverses the CLIBP Specific Plan (Approved Project) site in a northwest-to-southeast direction. The Proposed Modified Project's off-site water well is adjacent to the community of Crows Landing and Bonita Elementary School; it is surrounded by agricultural land use designations to the north and west and low density residential land use designations to the south and east.

2.3 Project Objectives

Project objectives remain the same as those identified for the Approved Project in the Final EIR (Stanislaus County, 2018a and 2018b). Specific project-related objectives include the following:

- Create a regional employment center on the former Crows Landing Air Facility property that provides locally based, sustainable-wage employment, and promotes work force development through on-the-job training and support for locally based small businesses.
- Create an attractive location for industrial, manufacturing, distribution, and other aviation-compatible uses within the site boundaries that can capitalize on the site's proximity to Interstate (I) 5, I 580, State Route (SR) 33, and other regional, national, and international transportation facilities, while reducing commuter traffic/vehicle miles traveled (VMT) on regional roads.
- Offer a mix of land use classifications to accommodate aviation-compatible uses while remaining flexible in terms of the size and configuration of available parcels, vertical development, and compatibility with surrounding uses and infrastructure.
- Provide services for site workers, such as: transit and alternative transportation options, on-site food service, appropriately located day care facilities, and automated banking opportunities.

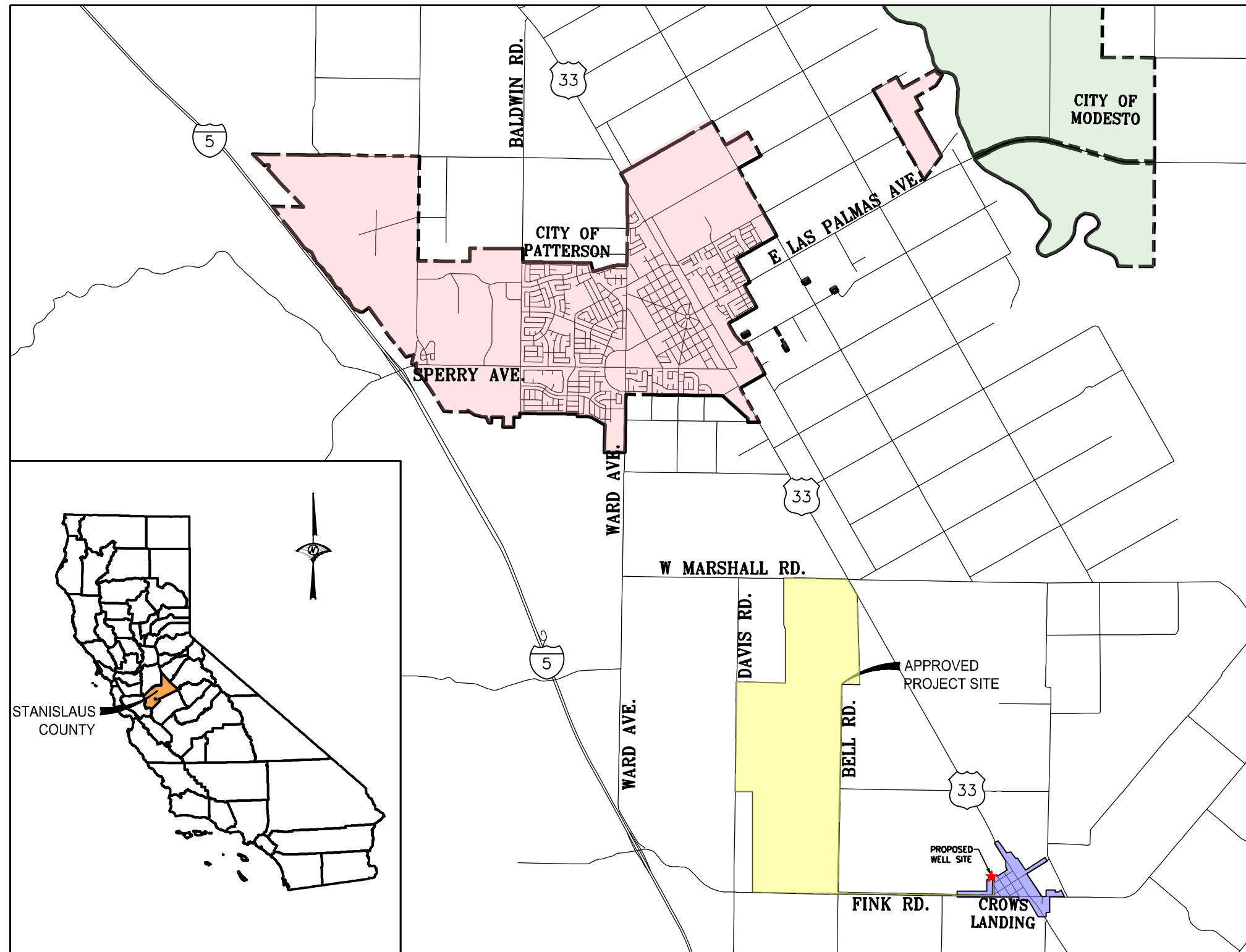


FIGURE 2-1
 ADDENDUM TO CLIBP SPECIFIC PLAN EIR
 PROJECT VICINITY



CROWS LANDING
 INDUSTRIAL BUSINESS
 PARK & AIRFIELD



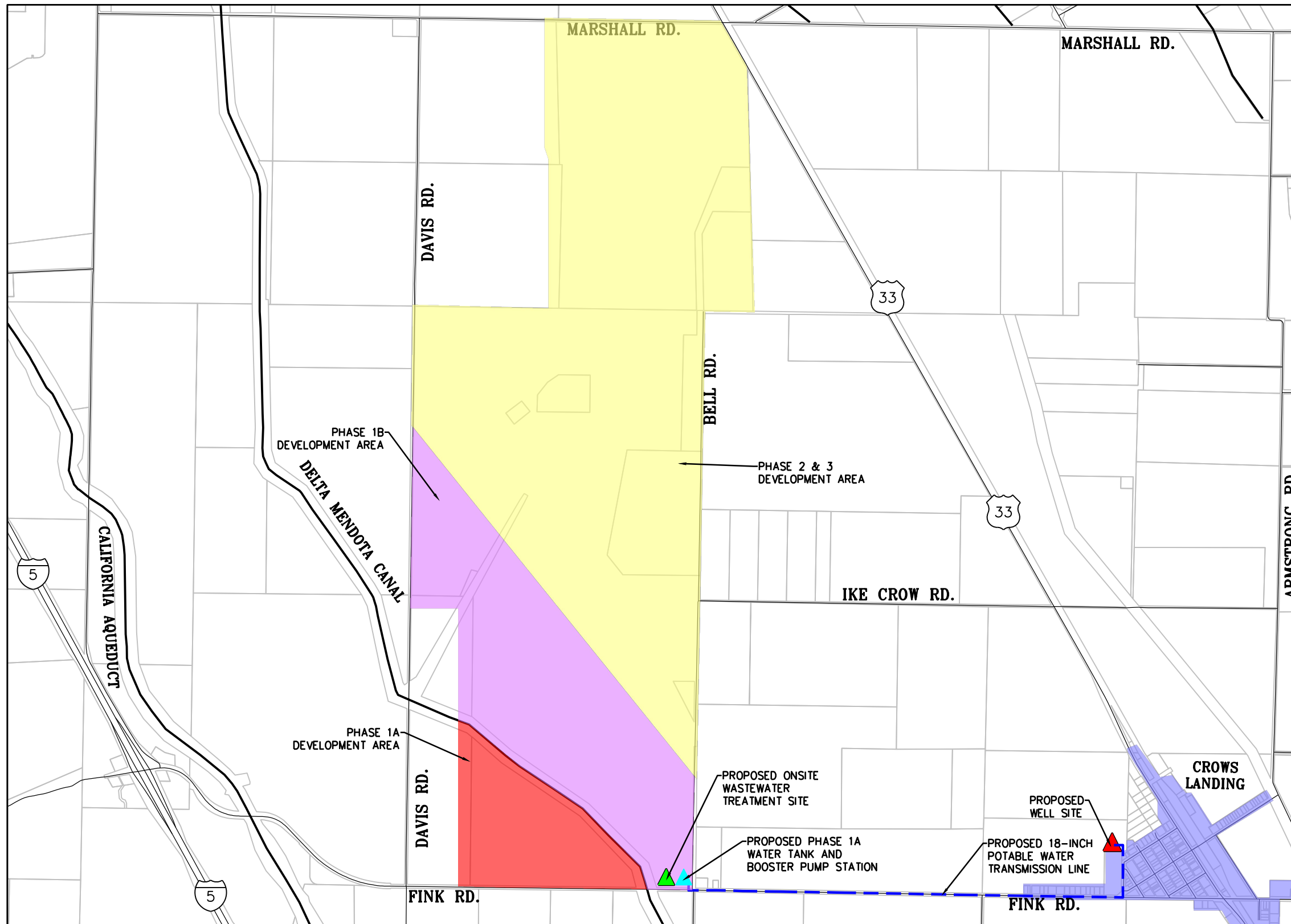


FIGURE 2-2
 ADDENDUM TO CLIBP SPECIFIC PLAN EIR
 PROJECT LOCATION MAP



L11041 - Crow's Landing BP - Wood Rodgers/03 Project Design Phase/15/16/17/18/19/20/21/22/23/24/25/26/27/28/29/30/31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58/59/60/61/62/63/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81/82/83/84/85/86/87/88/89/90/91/92/93/94/95/96/97/98/99/100/101/102/103/104/105/106/107/108/109/110/111/112/113/114/115/116/117/118/119/120/121/122/123/124/125/126/127/128/129/130/131/132/133/134/135/136/137/138/139/140/141/142/143/144/145/146/147/148/149/150/151/152/153/154/155/156/157/158/159/160/161/162/163/164/165/166/167/168/169/170/171/172/173/174/175/176/177/178/179/180/181/182/183/184/185/186/187/188/189/190/191/192/193/194/195/196/197/198/199/200/201/202/203/204/205/206/207/208/209/210/211/212/213/214/215/216/217/218/219/220/221/222/223/224/225/226/227/228/229/230/231/232/233/234/235/236/237/238/239/240/241/242/243/244/245/246/247/248/249/250/251/252/253/254/255/256/257/258/259/260/261/262/263/264/265/266/267/268/269/270/271/272/273/274/275/276/277/278/279/280/281/282/283/284/285/286/287/288/289/290/291/292/293/294/295/296/297/298/299/300/301/302/303/304/305/306/307/308/309/310/311/312/313/314/315/316/317/318/319/320/321/322/323/324/325/326/327/328/329/330/331/332/333/334/335/336/337/338/339/340/341/342/343/344/345/346/347/348/349/350/351/352/353/354/355/356/357/358/359/360/361/362/363/364/365/366/367/368/369/370/371/372/373/374/375/376/377/378/379/380/381/382/383/384/385/386/387/388/389/390/391/392/393/394/395/396/397/398/399/400/401/402/403/404/405/406/407/408/409/410/411/412/413/414/415/416/417/418/419/420/421/422/423/424/425/426/427/428/429/430/431/432/433/434/435/436/437/438/439/440/441/442/443/444/445/446/447/448/449/450/451/452/453/454/455/456/457/458/459/460/461/462/463/464/465/466/467/468/469/470/471/472/473/474/475/476/477/478/479/480/481/482/483/484/485/486/487/488/489/490/491/492/493/494/495/496/497/498/499/500/501/502/503/504/505/506/507/508/509/510/511/512/513/514/515/516/517/518/519/520/521/522/523/524/525/526/527/528/529/530/531/532/533/534/535/536/537/538/539/540/541/542/543/544/545/546/547/548/549/550/551/552/553/554/555/556/557/558/559/560/561/562/563/564/565/566/567/568/569/570/571/572/573/574/575/576/577/578/579/580/581/582/583/584/585/586/587/588/589/590/591/592/593/594/595/596/597/598/599/600/601/602/603/604/605/606/607/608/609/610/611/612/613/614/615/616/617/618/619/620/621/622/623/624/625/626/627/628/629/630/631/632/633/634/635/636/637/638/639/640/641/642/643/644/645/646/647/648/649/650/651/652/653/654/655/656/657/658/659/660/661/662/663/664/665/666/667/668/669/670/671/672/673/674/675/676/677/678/679/680/681/682/683/684/685/686/687/688/689/690/691/692/693/694/695/696/697/698/699/700/701/702/703/704/705/706/707/708/709/710/711/712/713/714/715/716/717/718/719/720/721/722/723/724/725/726/727/728/729/730/731/732/733/734/735/736/737/738/739/740/741/742/743/744/745/746/747/748/749/750/751/752/753/754/755/756/757/758/759/760/761/762/763/764/765/766/767/768/769/770/771/772/773/774/775/776/777/778/779/780/781/782/783/784/785/786/787/788/789/790/791/792/793/794/795/796/797/798/799/800/801/802/803/804/805/806/807/808/809/810/811/812/813/814/815/816/817/818/819/820/821/822/823/824/825/826/827/828/829/830/831/832/833/834/835/836/837/838/839/840/841/842/843/844/845/846/847/848/849/850/851/852/853/854/855/856/857/858/859/860/861/862/863/864/865/866/867/868/869/870/871/872/873/874/875/876/877/878/879/880/881/882/883/884/885/886/887/888/889/890/891/892/893/894/895/896/897/898/899/900/901/902/903/904/905/906/907/908/909/910/911/912/913/914/915/916/917/918/919/920/921/922/923/924/925/926/927/928/929/930/931/932/933/934/935/936/937/938/939/940/941/942/943/944/945/946/947/948/949/950/951/952/953/954/955/956/957/958/959/960/961/962/963/964/965/966/967/968/969/970/971/972/973/974/975/976/977/978/979/980/981/982/983/984/985/986/987/988/989/990/991/992/993/994/995/996/997/998/999/1000

- Provide sufficient site infrastructure to enable shovel-ready development opportunities. Such infrastructure includes potable and non-potable water, sewer, stormwater management, dry utilities, and circulation improvements (i.e., “backbone development”).
- Repurpose former military runway 12-20 for the development of a public-use, general aviation airport to complement CLIBP and the terms of the property conveyance.
- Provide for an attractive, walkable industrial business park campus that makes a positive statement for the area and for Stanislaus County and respects the needs of its neighbors, adjacent landowners, and the agricultural character of the County’s West Side.
- Honor the unique contributions of the former Crows Landing Air Facility and Stanislaus County to our nation’s history, while looking ahead to improve the lives of current and future residents.

2.4 Description of Modified Project

The supporting infrastructure for the Phase 1A portion of the Approved Project analyzed in the Final CLIBP Specific Plan EIR (Final EIR) included an internal roadway network and water supply, wastewater, and drainage systems. Proposed infrastructure modifications have been identified that would require modifications to the water, wastewater, and drainage systems that were originally analyzed within the Final EIR (Proposed Modified Project). **Table 1-1**, above, provides a comparison of the Approved Project to the Proposed Modified Project for infrastructure to support Phase 1A, and **Figure 2-2**, above, and **Figure 2-3** provides a depiction of the Proposed Modified Project.

2.4.1 Water Systems

The Proposed Modified Project would include one backbone water infrastructure system for Phase 1A of the Approved Project. In assessing the underlying groundwater basin for the design phase, it was determined that the water quality of the groundwater generally improved to the east of the CLIBP site. Groundwater underlying the CLIBP property would require treatment prior to use; however, the groundwater at the proposed off-site well site is of sufficient quantity and quality for Phase 1A and does not require treatment to meet current State of California Division of Drinking Water standards. The off-site well site for Phase 1A would be located within an approximately one-acre site, east of the Approved Project site, north of Bonita Elementary School on Bonita Avenue (**Figure 2-4**). The well site would be enclosed within a chain link fence with an access gate. The well and control equipment would be housed within a masonry block building. The well site would include a permanent generator to provide back-up power. A monitoring well would be installed approximately 50 feet southeast of the supply well, within the one-acre well site. Data from the monitoring well would be used to monitor both groundwater quality and groundwater elevation.

Access to the well site would be by a paved road and a parking spot/turn around area would be provided at the well site. Pavement would be kept to the minimum needed for proper operations and maintenance of the well facility. Any areas without improvements would be covered in gravel with weed abatement fabric below the gravel to prevent weed growth while still allowing for infiltration of precipitation.

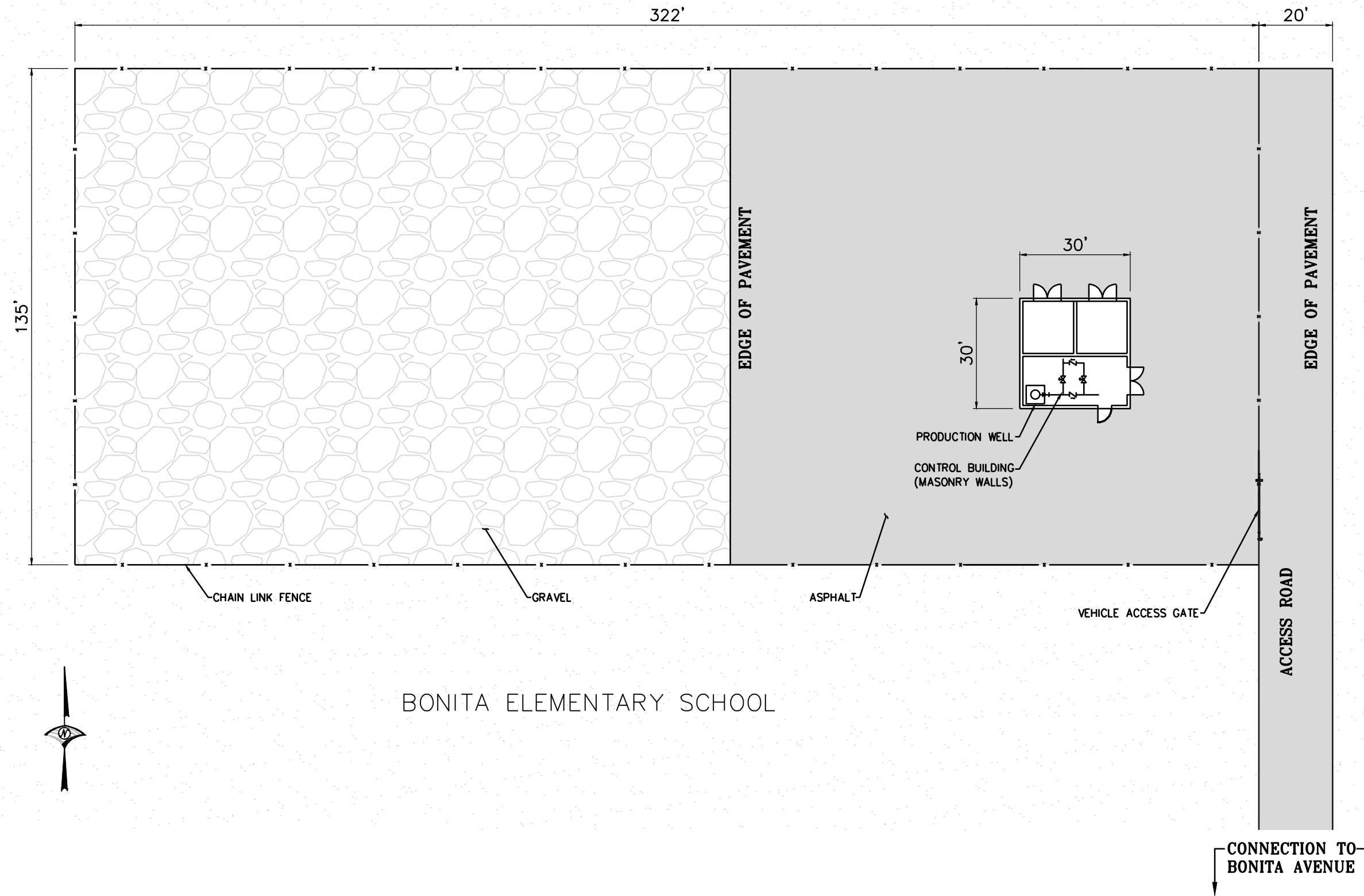


FIGURE 2-4
 ADDENDUM TO CLIBP SPECIFIC PLAN EIR
 CONCEPTUAL WELL SITE PLAN
 OUTSIDE APPROVED PROJECT LIMITS

The well design would be a maximum of 750 feet below ground surface (bgs) and have a 30-inch outside diameter. The 30-inch outside diameter mild steel conductor casing would be grouted in place to a depth of 50 feet bgs. The conductor casing would serve to stabilize the upper formations during borehole drilling and would also provide the DDW-required sanitary seal. A 26-inch diameter borehole would be drilled to a total depth of 750 feet, and the well structure would consist of a 12.75-inch outside diameter mild steel casing to a depth of 525 feet, and a 12.75-inch outside diameter Type 304L stainless steel well casing assembly from 525 feet to 750 feet. The portion of the well structure which is not encapsulated in cement would use Type 304L stainless steel. The transition between the mild steel and stainless-steel well casings would be a thick-walled section of stainless steel to accommodate for both galvanic attraction as well as to accommodate for collapse pressures based on the deep sand/cement annular seal. The perforated interval would be stainless steel "Ful-Flo" louvered well screen from 605 to 670 feet, and 710 to 745 feet. A 3-inch diameter mild steel gravel fill pipe would extend to a depth of 550 feet bgs, and a 2-inch diameter mild steel sounding pipe would extend to and enter the well casing at a depth of 363 feet bgs.

The annular space between the borehole and the well casing would have an 8-foot by 16-foot graded gravel envelope that extends from the bottom of the borehole to 537 feet bgs. A 2-foot fine sand transition seal would be placed between the gravel envelope and the annular seal from 535 feet to 537 feet bgs. An annular seal consisting of sand/cement grout would extend from 535 feet bgs to ground surface and would effectively seal off the shallower aquifers that contain relatively poorer water quality. Based upon the sieve analysis, a graded gravel envelope measuring 8 feet by 16 feet and 0.055-inch screen slot size opening would provide acceptable inlet velocities and sand control. The well structure has been designed with a 1-to-3 aquifer-to-gravel envelope size ratio and an inlet velocity of 0.01 feet per second at the design capacity of 350 gallons per minute (gpm).

The 12-inch diameter well discharge pipeline would run from the well site to an easement at the east of the property, south along the easement to Bonita Avenue, south within Bonita Avenue right-of-way to Fink Road. At Fink Road, the water transmission line (pipeline) would increase to 18 inches in diameter and would continue west within Fink Road right-of-way to the approved water and wastewater facility at the northwest corner of Fink Road and Bell Road. The 18-inch pipeline would connect to a 1.2 million-gallon (MG) storage tank and a pump station before continuing south within the Bell Road right-of-way. The 18-inch water pipeline would continue west on Fink Road to the internal north/south trending roadway alignment through Phase 1A to the Delta-Mendota Canal. A 12-inch pipeline would extend along Fink Road from the intersection with the internal CLIBP Specific Plan roadway west to the CLIBP Specific Plan boundary; this could result in parallel water pipelines in Fink Road between Bell Road and Davis Road. The depths required for the backbone water system would typically allow for a minimum of 3-feet of cover and would be a maximum of approximately 15 feet bgs.

An inter-tie would be provided at the north end of Bonita Avenue to connect the CLIBP water infrastructure with the Crows Landing Community Services District (CSD) water system. The well would not provide a new source of water for land development beyond its intended use for the CLIBP Specific Plan Phase 1A. The Proposed Modified Project would not rely on water supplies from the City of Patterson's current water service area. The Proposed Modified Project would also not rely on the current Crows Landing CSD water supply and infrastructure except in the event the new CLIBP well was not operational.

2.4.2 Wastewater System

The Proposed Modified Project's onsite wastewater backbone system, referred to as the onsite wastewater treatment system (OWTS), would include wastewater pipelines that would flow into one centralized wastewater dispersal area. Wastewater pipelines would be located within the right-of-way for the internal roadway system of the Approved Project site. The wastewater pipeline would go under the detention/infiltration basin (see Section 2.4.3, Drainage System, below, for details) and the Delta Mendota Canal and continue north into Phase 1B. The wastewater pipelines would range from 8 inches to 18 inches in diameter and the depths would be no more than approximately 15 feet bgs. The wastewater pipelines would lead to one centralized wastewater treatment and dispersal area, approximately 17.2 acres, immediately northeast of the Delta-Mendota Canal, within Phase 1B (**Figure 2-5**). The depth of the dispersal system is dependent on the groundwater levels and would maintain a minimum of 5 feet between the bottom of the dispersal system and the groundwater level.

The OWTS would serve the initial development, including Phase 1A, until such time as the ultimate wastewater system infrastructure is constructed, as identified within the Approved Project. Once the ultimate improvements are completed and wastewater is transported off-site, as identified in the Approved Project, the wastewater treatment and dispersal area are anticipated to be decommissioned and utilized in a manner consistent with the Approved Project.

2.4.3 Drainage System

The Proposed Modified Project also would be required to retain on-site flows for storms up to and including the 100-year storm and, based on the presence of a nearby airport, all on-site drainage facilities must comply with Federal Aviation Administration (FAA) guidance, Specific Plan, and Airport Land Use Compatibility Plan (ALUCP) policies pertaining to open water within the airport influence area. The proposed drainage system has been reviewed by Mead & Hunt, the County's Airport Consultant. They indicated that the linear nature of the basin, mimicking the Delta-Mendota Canal, is the preferred configuration. Steep side slopes would be utilized for the interior slopes of the basin to prevent nesting birds. Vegetation would also be selected so that it would not be an attractant to birds.

The Final EIR indicated that a 1,200-foot portion of Davis Road would be raised at least 4 feet to serve as a levee to prevent 100-year flood flows from encroaching on the area west/southwest of the Delta-Mendota Canal. However, during the preparation of the CLIBP Drainage Study (Wood Rodgers, 2020), it was determined that the proposed modifications to the detention/infiltration basin layout (**Figure 2-6**) would adequately address stormwater runoff and drainage for Phase 1A. Therefore, the Proposed Modified Project would no longer require Davis Road to be raised and the detention/infiltration basin layout for Phase 1A would be modified to parallel the Delta-Mendota Canal within the Approved Project boundaries. The Proposed Modified Project detention/infiltration basin would be approximately 20 feet in depth, which is approximately 5 feet deeper than what was identified in the Final EIR. The detention/infiltration basin would total 20 acres. The soil excavated from the modified detention/infiltration basin would be used within the development area of Phase 1A as fill to contour the site for positive drainage; therefore, off-site disposal of the excavated soil would not be required. The basin would be landscaped and designed to prevent entry into the basin. An access ramp would also be included within the design to allow access for maintenance of the landscaping and for cleaning of any built-up sediment.

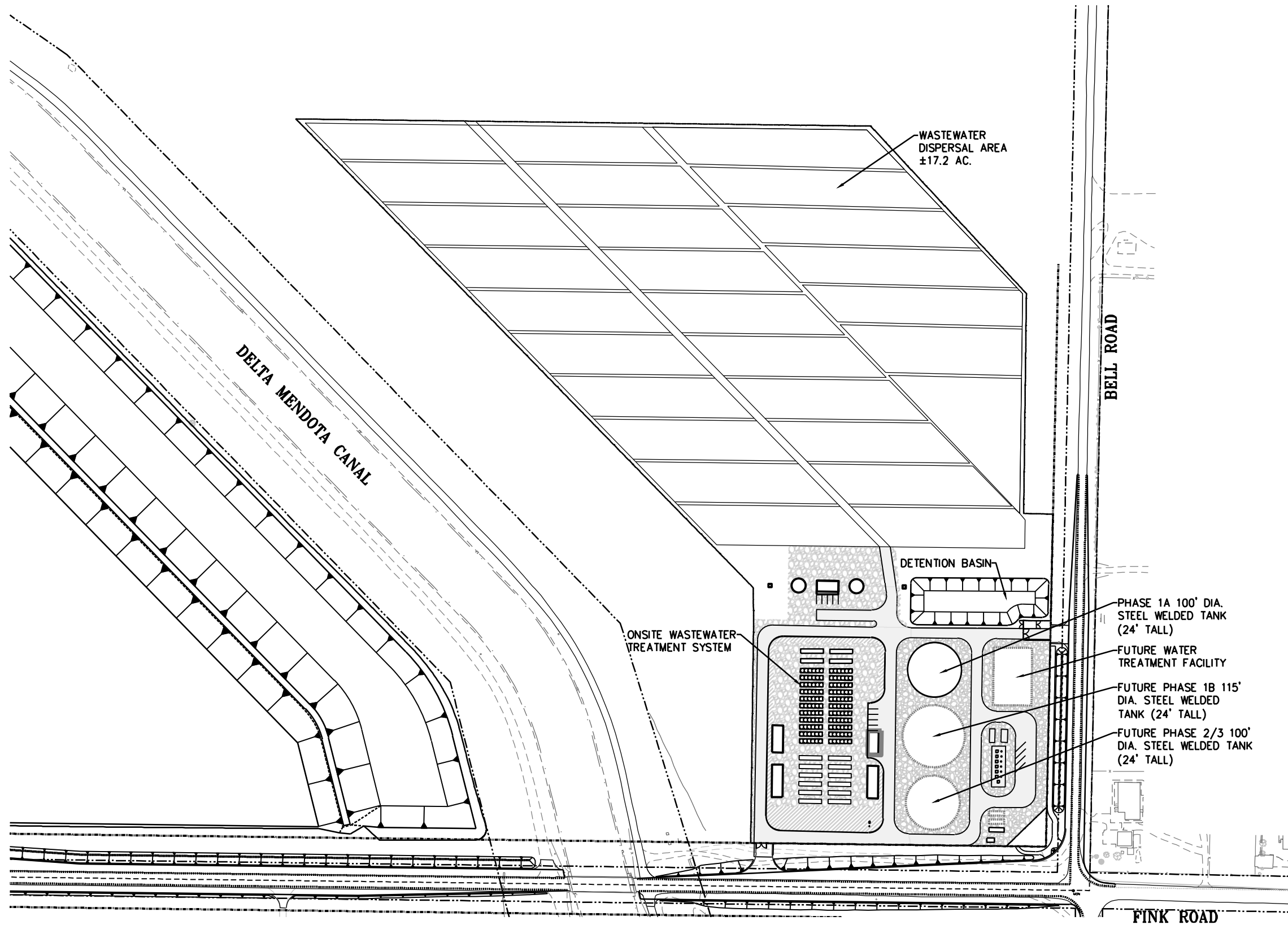


FIGURE 2-5

ADDENDUM TO CLIBP SPECIFIC PLAN EIR
 WATER AND WASTEWATER FACILITIES SITE PLAN



WOOD RODGERS
 BUILDING RELATIONSHIPS ONE PROJECT AT A TIME



CROWS LANDING
 INDUSTRIAL BUSINESS
 PARK & AIRFIELD

Dewberry | drake haglan

2.4.4 Construction Schedule and Timing

Construction for of the backbone infrastructure for Phase 1A is currently scheduled to begin in spring/summer 2021.

2.5 Discretionary Actions Required by Stanislaus County and Responsible Agencies

The required discretionary approvals needed for the Proposed Modified Project from the County, and responsible agencies, include the following:

- County Planning Commission General Plan Conformity determination for acquisition of the well site
- County Planning Commission approval of the Addendum to the CLIBP Specific Plan EIR for the well site use permit
- County Planning Commission approval of the water well site use permit
- County Board of Supervisors approval of Engineering Plans and Specifications for CLIBP Phase 1A
- Stanislaus County Local Agency Formation Commission (LAFCO) approval of Community Service Area to manage the provisions of services and maintenance of infrastructure for the Proposed Modified Project (i.e., the relocated well site)
- State Water Resources Control Board's Division of Drinking Water for permit approval of the Proposed Modified Project (i.e., Proposed Modified Project's water well site and pipeline)

3 ENVIRONMENTAL ANALYSIS

This section of the Addendum evaluates the potential effects on the physical environment from implementation of the Proposed Modified Project. This analysis has been prepared to determine whether any of the conditions in CEQA Guidelines Section 15162 (described in Section 1.2, above) would occur as a result of the Proposed Modified Project. The information used in this evaluation includes the CLIBP Specific Plan, Final EIR, County General Plan, Proposed Modified Project description, updated technical studies, literature reviews, field reconnaissance, and other applicable plans and policies.

3.1 Resources not Discussed Further

The Proposed Modified Project described in this Addendum provides: (1) additional details on the activities that are described in the Final EIR as part of the water, wastewater, and drainage systems for supporting the buildout of CLIBP Specific Plan Phase 1A; and (2) provides changes to the location of the water well described in the Final EIR. For the Proposed Modified Project elements within the Approved Project site, the overall water, wastewater, and drainage systems and construction activities were analyzed in the Final EIR; the construction and operation of these facilities within the Approved Project site remains unchanged. While the location of the footprint of the water well and associated infrastructure would be outside of the Approved Project site (i.e., off-site), the construction activities and operation of the well and water pipeline remain unchanged from that identified within the Final EIR. Therefore, Proposed Modified Project would have negligible additional physical effects on certain resources. Resources that are not discussed further because of negligible effects are described below, separated between the effects within the Approved Project site and effects that would occur outside of the Approved Project site (i.e., off-site).

3.1.1 Within the Approved Project Site

The Proposed Modified Project's modifications within the Approved Project site would result in negligible additional physical effects and would not cause any new significant or potentially significant impacts or a substantial increase in the intensity or severity of previously identified significant effects analyzed and disclosed in the Final EIR. Therefore, the below listed topics are not discussed further in this Addendum.

- Agricultural and Forestry Resources – The Approved Project site has a zone classification to S-P(2) and a land use designation of Specific Plan. No new or substantially more severe impacts would occur due to the Proposed Modified Project within the Approved Project site.
- Air Quality – The Proposed Modified Project would not change the construction or operation activities identified by the Final EIR within the Approved Project site. Construction of the Proposed Modified Project would continue to implement Mitigation Measures 3.2-1a and 3.2-1b (refer to **Appendix A** for the MMRP). Therefore, no new emission sources would occur within the Approved Project site as a result of the Proposed Modified Project. No new or substantially more severe impacts would occur due to the Proposed Modified Project.
- Biological Resources – No new resources were identified within the Approved Project site (ECORP, 2020a and 2020b); however, during implementation of Mitigation Measures 3.4-1 (special-status plant survey) and 3.4-5 (obtaining appropriate permits), wetlands were delineated near the Delta-Mendota Canal (ECORP, 2020a and 2020b) and are evaluated further in Section 3.6, below. For the remaining biological resources within the Approved Project site, the Proposed Modified Project would not change the construction or operation activities identified in the Final EIR. The Proposed Modified Project would continue to implement Mitigation Measures 3.4-2a through

3.4-2c, 3.4-3, 3.4-4 (refer to **Appendix A** for the MMRP). No new or substantially more severe impacts would occur due to the Proposed Modified Project.

- Cultural and Tribal Cultural Resources – The Proposed Modified Project would not change the construction or operation activities by the Final EIR within the Approved Project site. There have been no changes to existing cultural resources within the Approved Project site. The Proposed Modified Project would continue to implement Mitigation Measure 3.5-2 (refer to **Appendix A** for the MMRP). No new or substantially more severe impacts would occur due to the Proposed Modified Project.
- Energy – The Proposed Modified Project would not change the construction or operation activities identified by the Final EIR within the Approved Project site. No new energy uses would occur within the Approved Project site as a result of the Proposed Modified Project. No new or substantially more severe impacts would occur due to the Proposed Modified Project.
- Geology, Soils, Minerals, and Paleontological Resources – The Proposed Modified Project would not change the construction or operation activities identified by the Final EIR within the Approved Project site. There have been no changes to existing geology, soils, minerals, and paleontological resources within the Approved Project site. The Proposed Modified Project would continue to implement Mitigation Measure 3.8-1a, 3.8-1b, 3.8-2c, 3.8-3a, and 3.8-7 (refer to **Appendix A** for the MMRP). No new or substantially more severe impacts would occur due to the Proposed Modified Project.
- Greenhouse Gas Emissions (GHG) – The Proposed Modified Project would not change the construction or operation activities identified by the Final EIR within the Approved Project site. Therefore, no new GHG emission sources would occur within the Approved Project site as a result of the Proposed Modified Project. Construction of the Proposed Modified Project would continue to implement Mitigation Measure 3.7-1a (refer to **Appendix A** for the MMRP). No new or substantially more severe impacts would occur due to the Proposed Modified Project.
- Hazards and Hazardous Materials – The Proposed Modified Project would not change the construction or operation activities identified by the Final EIR within the Approved Project site. There have been no changes to existing hazards and hazardous materials within the Approved Project site. The Proposed Modified Project would continue to implement Mitigation Measures 3.9-1, 3.9-2a, 3.9-2b, and 3.9-4 (refer to **Appendix A** for the MMRP). No new or substantially more severe impacts would occur due to the Proposed Modified Project.
- Land Use and Planning – The Approved Project site has a zone classification to S-P(2) and a land use designation of Specific Plan. No new or substantially more severe impacts would occur due to the Proposed Modified Project within the Approved Project site.
- Noise – The Proposed Modified Project would not change the construction or operation activities identified by the Final EIR within the Approved Project site. Therefore, no new noise sources would occur within the Approved Project site as a result of the Proposed Modified Project. The Proposed Modified Project would continue to implement Mitigation Measures 3.12-1, 3.12-2, and 3.12-4 (refer to **Appendix A** for the MMRP). No new or substantially more severe impacts would occur due to the Proposed Modified Project.
- Population and Housing – The Proposed Modified Project would not result in new housing units and would not result in the relocation of people within the Approved Project site. No new or substantially more severe impacts would occur due to the Proposed Modified Project.
- Public Services and Recreation – The Proposed Modified Project would not change the construction or operation activities identified by the Final EIR within the Approved Project site. No new or substantially more severe impacts would occur due to the Proposed Modified Project.

- Transportation –The Proposed Modified Project would not change the construction or operation traffic volumes or patterns identified by the Final EIR for implementation of CLIBP Specific Plan Phase 1A. No new or substantially more severe impacts would occur due to the Proposed Modified Project.
- Wildfire – The Approved Project site is located within an area of federal responsibility that is not rated for fire hazard severity and the Approved Project site is considered to have very low wildfire hazard risk levels (Stanislaus County, 2018a and 2018b). The Proposed Modified Project would not change the construction or operation activities identified by the Final EIR within the Approved Project site. No new or substantially more severe impacts would occur due to the Proposed Modified Project.

3.1.2 Outside the Approved Project Site

The Proposed Modified Project’s modifications outside of the Approved Project site (off-site) would result in negligible additional physical effects and would not cause any new significant or potentially significant impacts or a substantial increase in the intensity or severity of previously identified significant effects analyzed and disclosed in the Final EIR. Therefore, the below listed topics are not discussed further in this Addendum.

- Forestry Resources – There are no designated forestry resources within the Proposed Modified Project’s water well site and pipeline alignment. Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.
- Air Quality related to construction – The Proposed Modified Project changes the location of the water well site; however, the construction activities disclosed in the Final EIR for the well(s) intended to support Phase 1A would remain the same. Construction of the Proposed Modified Project would continue to implement Mitigation Measures 3.2-1a and 3.2-1b (refer to **Appendix A** for the MMRP). Therefore, no new construction emission sources would occur as a result of the Proposed Modified Project. No new or substantially more severe impacts would occur due to the Proposed Modified Project construction.
- Energy – The Proposed Modified Project would not change the construction or operation activities identified by the Final EIR. The Proposed Modified Project changes the location of the water well site; however, the construction and operation activities disclosed in the Final EIR for the well(s) intended to support Phase 1A would remain the same. No new or substantially more severe impacts would occur due to the Proposed Modified Project.
- Mineral Resources – There are no known mineral resources within the Proposed Modified Project’s water well site and pipeline alignment. No new or substantially more severe impacts would occur due to the Proposed Modified Project.
- Greenhouse Gas Emissions related to construction – The Proposed Modified Project changes the location of the water well site; however, the construction activities identified in Final EIR for the well(s) intended to support Phase 1A would remain the same. Construction of the Proposed Modified Project would continue to implement Mitigation Measure 3.7-1a (refer to **Appendix A** for the MMRP). Therefore, no new construction GHGs emission sources would occur as a result of the Proposed Modified Project. No new or substantially more severe impacts would occur due to the Proposed Modified Project construction.
- Population and Housing – The Proposed Modified Project does not include the development of residential units and would not result in the relocation of people within the Proposed Modified Project’s water well site or pipeline alignment. No new or substantially more severe impacts would occur due to the Proposed Modified Project.

- Public Services and Recreation – The Proposed Modified Project would not directly increase the population because no new residential units would occur. The Proposed Modified Project would relocate the water well site to a one-acre parcel approximately two miles east of the Approved Project site. The water well site would continue to be used for the implementation of CLIBP Specific Plan Phase 1A. No new source of water for land development would occur because of the Proposed Modified Project. Thus, the Proposed Modified Project would not result in the need for new recreation facilities, library facilities, or schools. No new or substantially more severe impacts would occur due to the Proposed Modified Project.
- Transportation – The Proposed Modified Project would relocate the water well site to a one-acre parcel approximately two miles east of the Approved Project site. The Proposed Modified Project would not change the construction traffic volumes identified by the Final EIR for the construction of CLIBP Specific Plan Phase 1A and associated infrastructure. The construction equipment required for the installation of the water well would travel to the off-site location instead of the on-site location; however, the number of construction vehicles required for the development of the water well site remains unchanged. The operation of the Proposed Modified Project would include occasional maintenance at the water well site or along the pipeline alignment. Maintenance crews generally include one to two vehicles. Thus the Proposed Modified Project would not increase the traffic volumes or substantially change traffic patterns identified by the Final EIR for the implementation of CLIBP Specific Plan Phase 1A. No new or substantially more severe impacts would occur due to the Proposed Modified Project.
- Wildfire – The Proposed Modified Project’s water well site is within a local responsibility area that has not been rated for fire hazard severity zone (FHSZ) (California Department of Forestry and Fire Protection [CalFire], 2020). The water well site and pipeline alignment are surrounded by agricultural land uses and by urban development associated with the community of Crows Landing; therefore, the wildfire hazard is considered very low. In addition, CEQA states that wildfire evaluations should be discussed for projects that are located in or near state responsibility areas or land classified as very high FHSZ.

3.2 Resources Evaluated in this Addendum

This Addendum evaluates the potential for the changes identified by the Proposed Modified Project to result in new or substantially more severe impacts to the below listed topic areas or portions of the topic areas. These topic areas are analyzed in detail in Sections 3.3 through 3.14.

- Aesthetics
- Agricultural Resources related to off-site effects only
- Air Quality related to off-site operation effects only
- Biological Resources related to off-site effects and on-site wetland effects only
- Cultural and Tribal Cultural Resources related to off-site effects only
- Geology, Soils, and Paleontological Resources related to off-site unstable soils and paleontology effects only
- Greenhouse Gas Emissions related to off-site operation effects only
- Hazards and Hazardous Materials related to off-site effects only
- Hydrology and Water Quality
- Land Use and Planning related to off-site effects only
- Noise related to off-site effects only
- Utilities and Service Systems

3.3 Aesthetics

3.3.1 Regulatory Setting

The regulatory setting is unchanged from the Final EIR.

3.3.2 Existing Conditions

The Approved Project site is surrounded primarily by agricultural land uses and contains the Delta-Mendota Canal. The remnants of the former National Aeronautics and Space Administration (NASA) Crows Landing Flight Facility/Ames Research Center are located north of Phase 1A. Existing views of the Approved Project site are the same as those discussed in the Final EIR and include views from West Marshall Road, Fink Road, Bell Road, Ward Avenue, Davis Road, Oak Flat Road, Interstate (I) 5, and State Route (SR) 33.

The Proposed Modified Project's water well site consists of agricultural land adjacent to the community of Crows Landing. It is surrounded by agricultural land use designations to the north and west, and low density residential land use designation to the south and east. Immediately south of the water well site are the Bonita Elementary School baseball fields. Existing views of the water well site include views from Bonita Avenue, I Street, 4th Street, H Street, SR 33, and eastbound Fink Road.

The segment of I-5 that passes through Stanislaus County, from the Merced County line to the San Joaquin County line, is a State-designated scenic highway (Caltrans, 2019). The views of the Approved Project site are unchanged from the Final EIR. The views of the Approved Project site are screened by landscaped road cuts at the edge of the interstate southwest, west, and northwest of the Approved Project site (Stanislaus County, 2018a and 2018b). The proposed water well location is approximately three miles east of I-5 and is not visible from I-5, given the distance, landscaped road cuts, and existing agricultural land uses and structures visible between the Approved Project site and the Proposed Modified Project's water well site.

Scenic vistas are generally interpreted as long-range views of a specific scenic feature (e.g., open space lands, mountain ridges, open water). A scenic vista is an area that is designated, signed, and accessible to the public for the express purposes of viewing and sightseeing (Stanislaus County, 2018a and 2018b). A scenic vista is located on I-5, just beyond the Oak Flat Road exit, approximately two miles northwest of the Approved Project site. The scenic vista point provides views of agricultural land uses, the California Aqueduct, and the Delta-Mendota Canal (Stanislaus County, 2018a and 2018b).

The Proposed Modified Project site does not currently contain light sources. The surrounding light sources for the Approved Project site include nighttime illumination of rural residences. The surrounding light sources for the proposed water well site include nighttime illumination of Bonita Elementary School, commercial area, industrial areas, residences, and streetlights in the community of Crows Landing, as well as nighttime illumination of the rural residences to the south and east of the proposed water well site. Roadways adjacent to the Proposed Modified Project are a source of glare, which is produced by automobile headlights at night and reflections from metal surfaces during the day.

3.3.3 Standards of Significance

The CEQA Statute and Guidelines, including CEQA Guidelines Appendix G (CEQA Environmental Checklist), were updated in December 2018. This update resulted in distinguishing between urbanized and

nonurbanized areas with respect to visual character and quality. The following table shows the standards of significance used in the Final EIR and the updated standards of significance used in this Addendum.

Final EIR Standards of Significance		Changes pursuant to CEQA Update	
a	Have a substantial adverse effect on a scenic vista.	a	No change
b	Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State scenic highway	b	No change
c	Substantially degrade the existing visual character or quality of the site and its surroundings	c	In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings. (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, conflict with applicable zoning and other regulations governing scenic quality
d	Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area	d	No change

3.3.4 Impact Discussion

Impact a: Have a substantial adverse effect on a scenic vista (Final EIR Impact 3.1-1).

Implementation of the Proposed Modified Project would not affect the view from the scenic vista of either the foothills of the Diablo Mountain Range to the west of the foreground views of orchards and other agricultural features to the east. The Proposed Modified Project includes changes to the water, wastewater, and drainage systems analyzed in the Final EIR and approved as part of the Approved Project; however, these changes would not be noticeable from the scenic vista. The CLIBP Specific Plan would continue to be visible only as a thin white line below the horizon to the viewer from this observation point, as discussed in the Final EIR. The proposed water well location is one acre in size and is located east of the Approved Project site; therefore, it would be hard to discern the well pump facilities and fencing from the surrounding agricultural lands from this observation point of the scenic vista. The wastewater system modification would be below ground and not visible from the scenic vista on northbound I-5. The impact to the viewshed from the scenic vista point along I-5 would be minimal based on the distance between the Proposed Modified Project and the scenic vista, the relatively low profile of the Proposed Modified Project, and the post-project consistency of similar urban development that is currently visible from I-5. Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

Development of the Proposed Modified Project could affect existing views of the Diablo Mountain range from the Bell Road corridor east of the Approved Project site; however, there are very few residents and very little traffic along Bell Road (50 trips per day under existing conditions) (County of Stanislaus, 2018a and 2018b). The Proposed Modified Project's above ground modifications include water and drainage systems; however, as viewed from Bell Road, no new or substantially more severe impact would occur as a result of these systems.

No new or substantially more severe environmental effects on a scenic vista would result from the Proposed Modified Project.

Impact b: Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State scenic highway (Final EIR Impact 3.1-2).

I-5 is a State Scenic Highway within Stanislaus County. The views along I-5 have not changed from those analyzed in the Final EIR. The views from I-5 continue to be dominated by relatively flat topography occupied by agricultural fields and interspersed with associated structures for agricultural operations and rural residences (County of Stanislaus, 2018a). Road cuts along the east side of I-5 limit the views of the Proposed Modified Project site.

Viewers from the State Scenic Highway would be motorists and travelers, who would have a low to moderate degree of sensitivity to changes in the visual character. The perspective of some viewers may be desensitized as a result of industrial and other urban developments in the City of Patterson (adjacent to I-5 both east and west) that presently dominate views within the I-5 viewshed. For example, the West Patterson Business Park is located immediately east of I-5 and west of the City of Patterson. The Covanta Energy Corporation's waste-to-energy facility is located immediately southwest of I-5. Both industrial developments are visible from within the I-5 State Scenic Highway corridor (County of Stanislaus, 2018a).

The Proposed Modified Project infrastructure would not dominate views from I-5 and would not impact views available from the State Scenic Highway. The Proposed Modified Project's above ground modifications include the water and drainage systems; however, these systems, as viewed from I-5, would not result in a noticeable change in views. The impact to visual resources from a State Scenic Highway would be minimal based on the distance between the Proposed Modified Project and I-5, the relatively low profile of the Proposed Modified Project, and the post-project consistency of similar urban development that is currently visible from I-5. Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

Impact c: In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings. (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, conflict with applicable zoning and other regulations governing scenic quality (Final EIR Impact 3.1-3).

The General Plan treats agriculture as a source of employment and economic development, and not as a visual resource that should be protected for aesthetic reasons (County of Stanislaus, 2018a and 2018b). The Proposed Modified Project's above-ground modifications include the water and drainage systems. The Proposed Modified Project detention/infiltration basin would parallel the Delta-Mendota Canal within the property boundaries of the Approved Project to convey on- and off-site runoff to the detention/infiltration basin. The basin would include a five-foot berm and would be landscaped and designed to prevent entry into the basin. The berm would be similar in nature to the existing Delta-Mendota Canal and would be approximately the same height (Wood Rodgers, 2020c). The changes in the drainage system on the Approved Project site would not result in a new or substantially more severe impact.

The Proposed Modified Project's water well site would be enclosed within a chain link fence with an access gate. The well and control equipment would be housed within a masonry block building. Access to the well site would be by a paved road and a parking spot/turn around area would be provided at the well

site. Pavement would be kept to the minimum needed for proper operations and maintenance of the well facility. Any areas without improvements would be covered in gravel with weed abatement fabric below the gravel to prevent weed growth while still allowing for infiltration of precipitation. The change in the visual character of the site from agricultural land to a water well and security fencing would be noticeable from the surrounding land uses of the Bonita Elementary School and the residences on Bonita Avenue, I Street, and 4th Street. Within the framework established by the General Plan related to visual resources, the additional change from an agricultural field to a water well site is not considered a substantial adverse change in the visual environment. Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

The Proposed Modified Project would be implemented in accordance with the CLIBP Specific Plan development standards and design standards, the County's General Plan, County Code, and the well use permit to minimize the visual contrast between the Proposed Modified Project and its surrounding area. No new or substantially more severe environmental effects on a visual character or quality would result from the Proposed Modified Project.

Impact d: Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area (Final EIR Impact 3.1-4).

Night Sky

There are six communities within 15 miles of the Proposed Modified Project site that currently contribute to various intensities of nighttime lighting and skyglow. In general, agricultural lands do not generally contribute to substantial nighttime lighting; however, structures used for agricultural production may contribute to nighttime lighting from facility lighting and security lighting (County of Stanislaus, 2018a).

The Proposed Modified Project's above ground modifications include the water and drainage systems. The detention/infiltration basin would parallel the Delta-Mendota Canal within the property boundaries of the CLIBP Specific Plan to convey on and off-site runoff and would not be anticipated to contain water year-round. The modifications to the detention/infiltration basin do not include lighting. In addition, the modifications to the drainage and wastewater systems are not anticipated to require nighttime work. Therefore, no new or substantially more severe impact would occur due to the Proposed Modified Project.

The Proposed Modified Project would add security lighting to the proposed water well site; however, no other changes to nighttime lighting would occur as a result of the Proposed Modified Project. The proposed water well site is not anticipated to require nighttime work. The Proposed Modified Project would be implemented in accordance with the CLIBP Specific Plan development standards and design standards, the County's General Plan, County Code, and the well use permit to minimize impacts to the night sky. Implementation of design standards and guidelines would reduce impacts to nighttime lighting, including equipping the downward-facing shields on lighting fixtures. Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

Glare

Glare is caused by light reflections from vehicles and building materials, such as reflective glass and polished surfaces. During daylight hours, the amount of glare emanated from a direct source is dependent on the intensity and direction of sunlight (County of Stanislaus, 2018a). The Proposed Modified Project's above ground modifications include the water and drainage systems. The detention/infiltration basin

would parallel the Delta-Mendota Canal within the property boundaries of the CLIBP Specific Plan to convey on and off-site runoff and would not be anticipated to contain water year-round. The changes in the drainage system on the Approved Project site would not result in a new or substantially more severe impact.

The Proposed Modified Project's water well site would be enclosed within a chain link fence with an access gate. The well and control equipment would be housed within a masonry block building. Access to the well site would be by a paved road and a parking spot/turn around area would be provided at the well site. The Proposed Modified Project would be implemented in accordance with the CLIBP Specific Plan development standards and design standards, the County's General Plan, County Code, and the well use permit to minimize impacts to glare. Implementation of design standards and guidelines would reduce impacts to glare. Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

3.4 Agricultural Resources

3.4.1 Regulatory Setting

The regulatory setting is unchanged from the Final EIR.

3.4.2 Existing Conditions

Agriculture is a major economic activity throughout Stanislaus County, being the state's fifth largest agricultural county in terms of agricultural production in 2018 (California Department of Food and Agriculture [CDFA], 2020). The top ten commodities for Stanislaus County in 2019 included the following: almonds; milk; chickens; cattle and calves; nursery, fruit and nut trees, and vines; silage; walnuts; almond pollination; turkeys; and melons (Stanislaus County Agricultural Commissioner's Office, 2019).

The Proposed Modified Project's water well site is zoned A-2-40 (General Agriculture) and has a land use designation of Agriculture. The proposed new well site is designated as Prime Farmland (California Department of Conservation [DOC], 2018), and is currently under a Williamson Act contract. The proposed well site is part of an orchard that was removed in Spring 2020 for replanting and the site is not currently being actively cultivated.

3.4.3 Standards of Significance

The standards of significance are the same as those identified in the Final EIR.

3.4.4 Impact Discussion

Impact a: Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (farmlands of concern under CEQA), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use (Final EIR Impact 3.3-1).

The Proposed Modified Project's water well site is one acre in size, zoned A-2-40 (General Agriculture), and is designated Prime Farmland (DOC, 2018). The proposed water well is consistent with the A-2-40 (General Agriculture) zone, which allows for the development of facilities for public utilities, such as water well, through a use permitting process. The Final EIR concluded that the Approved Project would convert approximately 1,178 acres of prime farmland to nonagricultural, urban use. The Proposed Modified

Project would increase previously identified impacts due to conversion of prime farmland by less than 0.01 percent. Thus, the Proposed Modified Project would not substantially increase impacts to prime farmland. Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

Impact b: Conflict with existing zoning for agricultural use, or a Williamson Act contract (Final EIR Impacts 3.3-2 and 3.3-3).

The Proposed Modified Project's water well site is zoned A-2-40 (General Agriculture) and is currently under Williamson Act contract. Pursuant to County Zoning Ordinance 21.20.045(B), water facilities are determined to be consistent with the principles of compatibility with agricultural land and may be approved on Williamson Act contracted land. The proposed water well is consistent with the A-2-40 (General Agriculture) zone, which allows for the development of facilities for public utilities, such as water wells. Thus, the Proposed Modified Project would not conflict with zoning for agricultural use. Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

Impact e: Involve other changes in the existing environment which, due to their location or nature, could result in conversion of farmlands of concern under CEQA to non-agricultural use (Final EIR Impacts 3.3-1 and 3.3-3).

As explained above, the Proposed Modified Project's water well site is currently agricultural land. The proposed water well is consistent with the A-2-40 (General Agriculture) zone, which allows for the development of facilities for public utilities, such as water well. Parcels adjacent to the proposed water well site have land use designations of agriculture and low density residential, and zoning classifications of A-2-40 (General Agriculture) and R-A (Rural Residential). The Proposed Modified Project would be implemented in accordance with the CLIBP Specific Plan development standards and design standards, the County's General Plan, and County Code, to minimize conflicts with agricultural and rural residential land use designations on the surrounding properties. Surrounding land uses would not be converted to non-agricultural land. Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

3.5 Air Quality

3.5.1 Regulatory Setting

The regulatory is unchanged from the Final EIR.

3.5.2 Existing Conditions

The Proposed Modified Project is located within the southern half of the Central Valley, within the San Joaquin Valley Air Basin (SJVAB), which includes Fresno, Kings, Madera, Merced, San Joaquin, Stanislaus, and Tulare counties, and the valley portion of Kern County. The Proposed Modified Project is under the jurisdiction of the San Joaquin Valley Air Pollution Control District (SJVAPCD). The attainment status of the SJVAB for criteria air pollutants remains unchanged from what was identified in the Final EIR (SJVAPCD, 2020).

Sensitive land uses or sensitive receptors are people or facilities that generally house people (e.g., schools, hospitals, residences) that may experience adverse effects from unhealthful concentrations of air pollutants (Stanislaus County, 2018a and 2018b). The Proposed Modified Project's water well site is

approximately 150 feet north of the Bonita Elementary School baseball field and approximately 200 feet northwest of the nearest residence. The Proposed Modified Project’s water pipeline would extend from the water well site south on Bonita Avenue and then west on Fink Road, within the right-of-way, and adjacent to residential and agricultural land.

3.5.3 Standards of Significance

The SJVAPCD’s recommended guidelines and thresholds of significance remain the same as those used in the Final EIR. The CEQA Statute and Guidelines, including CEQA Guidelines Appendix G (CEQA Environmental Checklist), were updated in December 2018. This update resulted in removing the project-specific analysis related to violating air quality standards and providing clarifying text related to cumulative air quality standards and other emissions. The following table shows the standards of significance used in the Final EIR and the updated standards of significance used in this Addendum.

Final EIR Standards of Significance		Changes pursuant to CEQA Update	
a	Conflict with or obstruct implementation of the applicable air quality plan	a	No change
b	Violate any air quality standard or contribute substantially to an existing or projected air quality violation		Deleted
c	Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)	b	Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard
d	Expose sensitive receptors to substantial pollutant concentrations	c	No change
e	Create objectionable odors affecting a substantial number of people	d	Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people

The Final EIR identified thresholds for criteria air pollutants, local carbon monoxide (CO) concentrations, odors, and toxic air contaminants (TACs) based on the SJVAPCD guidance and the 2015 Guide for Assessing and Mitigating Air Quality Impact (GAMAQI). No new thresholds or changes to existing thresholds have occurred. Thus, the thresholds identified within the Final EIR remain relevant for this Addendum.

3.5.4 Impact Discussion

Impact a: Conflict with or obstruct implementation of the applicable air quality plan (Final EIR Impacts 3.2-2).

The Proposed Modified Project includes changes to the water, wastewater, and drainage systems identified in the Final EIR. While the Proposed Modified Project differs from the Approved Project, it does not change the overall construction or function of the CLIBP Specific Plan. The Proposed Modified Project includes a water well on a site located approximately two miles east of the Approved Project site; however, this well is not new to the overall project but would be relocated. Operations of the Proposed Modified Project’s water system for Phase 1A would include on-site backup generators, which would generate emissions from exhaust associated with intermittent testing and maintenance of the generators. It is also conservatively assumed that operations of the Proposed Modified Project’s well site could

generate emissions from area sources, including periodic maintenance of the well-site structures involving the application of architectural coatings and periodic use of landscape maintenance equipment to manage surrounding vegetation. The well was included as part of the Approved Project for Phase 1A but within the original Approved Project site; therefore, the Final EIR included this well in the overall emissions models and analysis for Phase 1 of the CLIBP Specific Plan.

Thus, while the Proposed Modified Project’s water well site would be relocated approximately two miles east of the Approved Project site, well operations would not change from what was identified in the Final EIR. The Proposed Modified Project would comply with the General Plan, County Code, CLIBP Specific Plan, and SJVAPCD rules and regulation. The Proposed Modified Project would not conflict with or obstructing implementation of an applicable air quality plan. Therefore, no new or substantially more severe operation impacts would occur due to the Proposed Modified Project.

Impact b: Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (Final EIR Impact 3.2-1).

The Proposed Modified Project includes the relocation of a water well for Phase 1A. The water well would be located approximately two miles east of the Approved Project site and would be north of the Bonita Elementary School baseball field and west of the residential area of Crows Landing. Operations of the Proposed Modified Project’s water system for Phase 1A would include on-site backup generators, which would generate emissions from exhaust associated with intermittent testing and maintenance of the generators. It is also conservatively assumed that operations of the Proposed Modified Project’s well site could generate emissions from area sources, including periodic maintenance of the well-site structures involving the application of architectural coatings and periodic use of landscape maintenance equipment to manage surrounding vegetation. The Approved Project includes the well for Phase 1A within the original Approved Project site; therefore, the Final EIR included this well in the emissions models and analysis for Phase 1 of the CLIBP Specific Plan.

Because the proposed well would now be adjacent to the Bonita Elementary School baseball field, emissions associated with long-term operations of the Phase 1A water system were modeled and are provided in **Appendix B**, Phase 1A Water Supply Emissions (AECOM, 2020). As shown in **Table 3.3-1**, emissions from the Proposed Modified Project’s water supply system for Phase 1A would not exceed the SJVAPCD thresholds. In addition, the total emissions would be below 0.1 tons per year (tons/year) for the modeled pollutants. Thus, the Proposed Modified Project would not substantially increase the modeled annual emissions for the implementation of the CLIBP Specific Plan that was analyzed in the Final EIR.

Table 3.3-1. Proposed Modified Project Water Supply Emissions for Phase 1A

	ROG	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
	Tons Per Year					
Area	0.02	0.00	0.0003	0.00	0.00	.00
Total Stationary Source Emissions	0.02	0.06	0.06	0.0001	0.003	.0003
Total	0.04	0.06	0.06	0.0001	0.003	0.003
SJVAPCD Thresholds (tons/year)	10	10	100	27	15	15
Exceeds levels?	No	No	No	No	No	No
Notes: ROG = reactive organic gasses; NO _x = nitrogen oxides; CO = carbon monoxide; SO _x = sulfur oxides; PM ₁₀ = suspended particulate matter; PM _{2.5} = fine particulate matter Source: AECOM, 2020. Emissions estimating calculations and modeling files are available in Appendix B .						

The Proposed Modified Project would comply with the SJVAPCD rules and regulations, including Rule 9510 (Indirect Source Rule). The Proposed Modified Project would implement the General Plan, County Code, CLIBP Specific Plan, and SJVAPCD rules and regulation, and would implement best management practices (BMPs) and Mitigation Measures 3.2-1a through 3.2-1d (refer to **Appendix A** for the MMRP). No new or substantially more severe impacts would occur due to the Proposed Modified Project.

Impact c: Expose sensitive receptors to substantial pollutant concentrations (Final EIR Impact 3.2-3).

As stated above, the Proposed Modified Project would include the relocation of a water well for Phase 1A, locating it approximately two miles east of the Approved Project site. As shown in **Table 3.3-1**, emissions from the Proposed Modified Project's water supply system for Phase 1A would not exceed the SJVAPCD thresholds. In addition, the total emissions would be below 0.1 tons per year (tons/year) for the modeled pollutants. Thus, the Proposed Modified Project water system for Phase 1A would not substantially increase the modeled emissions for the implementation of the CLIBP Specific Plan that was analyzed in the Final EIR.

The Proposed Modified Project would comply with the SJVAPCD rules and regulations including Rule 9510 (Indirect Source Rule). The Proposed Modified Project would comply with the General Plan, County Code, CLIBP Specific Plan, SJVAPCD rules and regulation, and California Air Resources Board (CARB) requirements. Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

Impact d: Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people (Final EIR Impact 3.2-4).

The Final EIR identified typical facilities that generate odors include wastewater treatment facilities, sanitary landfills, composting facilities, petroleum refineries, chemical manufacturing plants, and food processing facilities. While the Proposed Modified Project differs from the Approved Project, it does not change the overall function of the CLIBP Specific Plan. None of the Proposed Modified Project changes to the water, wastewater, and drainage systems are anticipated to change the VOC emissions associated with implementing the CLIBP Specific Plan. The relocated well site and modified wastewater and drainage systems would not result in new sources of odors. In addition, the Proposed Modified Project would comply with the General Plan, County Code, SJVAPCD rules and regulations including Regulation IV and Rule 4102 (Nuisance), and CARB requirements. Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

3.6 Biological Resources

3.6.1 Regulatory Setting

The regulatory setting remains similar to the regulatory setting identified within the Final EIR. However, on April 21, 2020, the United States Environmental Protection Agency (U.S. EPA) and the United States Army Corps of Engineers (Corps) published in the Federal Register a rule revising the definition of the term, "Waters of the United States," which is now titled the "Navigable Waters Protection Rule" (Step Two Rule). The Step Two Rule narrows the definition of wetlands and waterways subject to jurisdiction under Section 10 of the Rivers and Harbors Act of 1899 and Sections 401 and 404 of the Clean Water Act (CWA). The State Water Resources Control Board (SWRCB) adopted the State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State (Wetland Riparian Area

Protection Policy) which strengthens the protection of waters of the State that are no longer protected under the CWA due to the Step Two Rule; this policy went into effect on May 28, 2020. The new federal regulation and new state policy would not result in new or substantially more severe impact to biological resources.

3.6.2 Existing Conditions

A special-status species list was run through the California Department of Fish and Wildlife (CDFW) California Natural Diversity Database (CNDDDB) in September 2020. Special status species in the Proposed Modified Project area include: two plant species (Delta button-celery and Sanford's arrowhead) and seven wildlife species (Swainson's hawk, white-tailed kite, northern harrier, burrowing owl, tricolored blackbird, loggerhead shrike, and pallid bat) (Stanislaus County, 2018a; CDFW, 2020). No new species were identified beyond in addition to the species discussed in the Final EIR (CDFW, 2020; Stanislaus County, 2018a and 2018b).

The Final EIR identified various habitat types within the Approved Project site, such as agriculture, developed/disturbed, seasonal stream, ditches, landscaped, willow scrub, sewer treatment basin, saltbush scrub, and other. The Final EIR determined that the Approved Project site contained approximately 4.37 acres of jurisdictional waters of the United States consisting of 3.31 acres of seasonal stream (Little Salado Creek), 0.05 acre of basins, and 1.01 acre of willow scrub wetland. ECORP conducted a special-status plant survey and an aquatic resources delineation survey in September 2019 for CLIBP Specific Plan Phase 1A (**Appendix C**). The area surveyed included Phase 1A and a portion of Phase 1B in order to cover the area of the Proposed Modified Project within the Approved Project site to support permitting required in the Final EIR. These surveys identified no special-status plant species and 0.007 acres of wetland within Phase 1A.

A field survey of the Proposed Modified Project's water well site and pipeline alignment was conducted on September 16, 2020 (representative photos are provided in **Appendix D**). This survey identified agriculture, developed/disturbed, and landscaped as the predominant habitat types. The Proposed Modified Project's one-acre water well site consists of agricultural land. The proposed well site is part of an orchard that was removed in Spring 2020 for replanting and the site is not currently being actively cultivated. It is surrounded by agricultural land use designations to the north and west and low density residential to the south and east. The Proposed Modified Project's water well site and pipeline alignment do not contain suitable habitat to support special status species. Furthermore, there are no natural wetlands, ditches, or other water features within the Proposed Modified Project's water well site and pipeline area. There are trees surrounding the Proposed Modified Project's water well site and pipeline alignment that have the potential to support nesting migratory birds and raptors.

3.6.3 Standards of Significance

The standards of significance remain similar to those identified within the Final EIR. The CEQA Statute and Guidelines, including CEQA Guidelines Appendix G (CEQA Environmental Checklist), were updated in December 2018. This update resulted in clarifying the language regarding state or federally protected wetlands. The following table shows the standards of significance used in the Final EIR and the updated standards of significance used in this Addendum.

Final EIR Standards of Significance		Changes pursuant to CEQA Update	
a	Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations by the CDFW or USFWS	a	No change
b	Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the CDFW	b	No change
c	Have a substantial adverse effect on federally protected waters of the United States, including wetlands, as defined by Section 404 of the CWA through direct removal, filling, hydrological interruption, or other means	c	Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means
d	Interfere substantially with the movement of any native resident or migratory wildlife species, or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites	d	No change
e	Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance	e	No change
f	Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State habitat conservation plan	f	No change
g	Substantially reduce the habitat of a fish or wildlife species; cause a fish or wildlife population to drop below self-sustaining levels; threaten to eliminate a plant or animal community; or substantially reduce the number or restrict the range of an endangered, rare, or threatened species	g	No change

3.6.4 Impacts not Discussed Further

The Proposed Modified Project would not result in new or substantially more severe impacts for the following topics; therefore, they are not discussed further:

- Wildlife movement or migratory routes – The Final EIR determined no impact in this regard to the Approved Project site (Stanislaus County, 2018a and 2018b). The Proposed Modified Project’s water well site and pipeline alignment are located adjacent to, and within, the community of Crows Landing and are not within an established migratory route.
- Habitat conservation plan – The Final EIR determined no impact in this regard to the Approved Project site (Stanislaus County, 2018a and 2018b). The Proposed Modified Project’s water well site and pipeline are not located within a plan area for a habitat conservation plan or a natural community conservation plan.
- Survival of species – The Final EIR determined no impact in this regard to the Approved Project site (Stanislaus County, 2018a and 2018b). The Proposed Modified Project’s water well site provides limited value to most wildlife species due to the high level of agricultural disturbance

and development of the site, thus, the Proposed Modified Project would not eliminate habitat important to the long-term survival of a species or community.

- Conflict with any local policies or ordinances – The County General Plan provides policies regarding the protection of sensitive species and habitats. The Proposed Modified Project would comply with the CLIBP Specific Plan, General Plan, and County Code. In addition, the Proposed Modified Project would implement Mitigation Measures 3.4-1, 3.4-2a, 3.4-2b, 3.4-2c, 3.4-3, 3.4-4, and 3.4-5 (refer to **Appendix A** for the MMRP). Thus, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

3.6.5 Impact Discussion

Impact a: Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations by the CDFW or USFWS (Final EIR Impacts 3.4-1 through 3.4-4).

A special-status plant species survey was conducted by ECORP for the Approved Project site in September 2019 to support permitting required in the Final EIR. No special-status plant species were observed during the survey, including Delta button-celery and Sanford's arrowhead (ECORP, 2020b). Prior to construction of Phase 1A, a State Water Resources Control Board (SWRCB) National Pollutant Discharge Elimination System (NPDES) Construction General Permit Order No. 2009-0009-DWQ (and as amended by most current order[s]) would be obtained. In addition, as required by the Final EIR, other applicable permits, such as a Corps Section 404 Permit, Central Valley RWQCB Section 401 water quality certification, and a CDFW Section 1602 Permit, would be obtained for Phase 1A. The Proposed Modified Project would implement the Mitigation Measures 3.4-1, 3.4-2a, 3.4-2b, 3.4-2c, 3.4-3, and 3.4-4 (refer to **Appendix A** for the MMRP). Therefore, within the boundaries of the Approved Project site, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

The Proposed Modified Project's water well site has been altered by human activities and is subject to ongoing vegetation management and surface soil manipulation. These activities, which include plowing, mowing, dredging, and hydrologic manipulation, preclude the establishment of natural plant communities. The larger, mature trees adjacent to the Proposed Modified Project's water well and pipeline alignment could provide suitable nesting habitat for white-tailed kite and loggerhead shrike. In addition, the Proposed Modified Project's water well site could provide marginally suitable foraging habitat for Swainson's hawk, white-tailed kite, northern harrier, burrowing owl, tricolored blackbird, and loggerhead shrike. There is no suitable roosting habitat for pallid bat within the Proposed Modified Project's water well site or pipeline alignment. The Proposed Modified Project would comply with the CLIBP Specific Plan, General Plan, County Code, construction BMPs, and other regulations applicable to biological resources. The Proposed Modified Project would obtain a State Water Resources Control Board (SWRCB) National Pollutant Discharge Elimination System (NPDES) Construction General Permit Order No. 2009-0009-DWQ (and as amended by most current order[s]) for construction of the well site. The Proposed Modified Project would implement the Mitigation Measures 3.4-1, 3.4-2a, 3.4-2b, 3.4-2c, 3.4-3, and 3.4-4 (refer to **Appendix A** for the MMRP). No new or substantially more severe impacts would occur due to the Proposed Modified Project.

Impact b: Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the CDFW or USFWS (Final EIR Impacts 3.4-1, 3.4-5, and 3.4-6).

The Proposed Modified Project's water well site and pipeline area do not contain any riparian habitat or other sensitive natural communities. For an analysis regarding wetlands, refer to Impact c, below. The Proposed Modified Project would comply with the CLIBP Specific Plan, which includes requiring low-impact development (LID) features, and with the General Plan, County Code, and federal, State, and local regulations pertaining to sensitive habitats. The Proposed Modified Project would comply with construction permits, including the SWRCB NPDES Construction General. Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

Impact c: Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means (Final EIR Impact 3.4-5).

The Final EIR determined that approximately 4.37 acres of jurisdictional waters of the United States consisting of 3.31 acres of seasonal stream (Little Salado Creek), 0.05 acre of basins, and 1.01 acre of willow scrub wetland would be impacted through removal (fill) or dredging activities and alteration of the Approved Project. The survey conducted in February 2020 of the Approved Project site, in support of the wetland avoidance permitting for construction of Phase 1A, confirmed that there are approximately 0.007 acres of seasonal wetland within the Phase 1A boundaries of the Approved Project site (ECORP, 2020a; **Appendix C**). The Proposed Modified Project changes would avoid the 0.007 acres of seasonal wetland within Phase 1A. The Proposed Modified Project would obtain coverage under the SWRCB NPDES Construction General Permit. The Proposed Modified Project would comply with the CLIBP Specific Plan, General Plan, and County Code. In addition, the Proposed Modified Project would implement Mitigation Measure 3.4-5 (refer to **Appendix A** for the MMRP). Therefore, no new or substantially more severe impacts regarding wetlands would occur due to the Proposed Modified Project.

The survey conducted in September 2020 for the Proposed Modified Project's water well site and pipeline area did not identify any potential jurisdictional waters (i.e., state or federally protected wetlands) (representative photos provided in **Appendix D**). Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

Impact d: Impede the use of native wildlife nursery sites (Final EIR Impact 3.4-7).

The survey conducted in September 2020 for the Proposed Modified Project's water well site and pipeline alignment did not identify any potential nursery sites or potential roosting habitat. The Proposed Modified Project would comply with the CLIBP Specific Plan, General Plan, and County Code. In addition, the Proposed Modified Project would implement Mitigation Measures 3.4-2a through 3.4-2c, 3.4-3, and 3.4-4 (refer to **Appendix A** for the MMRP). Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

3.7 Cultural and Tribal Cultural Resources

3.7.1 Regulatory Setting

The regulatory setting is unchanged from the Final EIR.

3.7.2 Existing Conditions

Cultural Resources

The record searches conducted for the Final EIR did not identify archeological resources within the Approved Project site or a 0.25-mile search radius (Stanislaus County, 2018b). The Approved Project site has been disturbed by agricultural cultivation and the construction and operation of military facilities during its more than 50 years of operation. A field survey was conducted in February 2015 for the Final EIR. No archaeological resources were identified; however, three historic-era built environment resources were identified: a former traffic control tower, aircraft runways, and a portion of the Delta-Mendota Canal. In addition, Fink Road was identified as a historic route; historic routes are also considered cultural resources (Stanislaus County, 2018a and 2018b).

The Proposed Modified Project would relocate the water well to a one-acre site located two miles east of the Approved Project site. A Cultural Resources Inventory and Integrity Assessment was prepared for the Proposed Modified Project's well site and pipeline alignment (ECORP, 2020, due to the confidential information within this study, it is on file with the County Planning and Community Development Department). A pedestrian survey was conducted on September 18, 2020 and focused on the Proposed Modified Project's area outside of the Approved Project site, which includes the one-acre water well site and the right-of-way on Fink Road and Bonita Avenue. No new cultural or tribal cultural resources were identified during the preparation of the Cultural Resources Inventory and Integrity Assessment. The existing conditions discussed in the Final EIR remain unchanged.

Native American Tribes and Tribal Consultation

As part of the Final EIR, the County conducted the appropriate outreach to Native American Tribes pursuant to Senate Bill (SB) 18 and Assembly Bill (AB) 52. The County sent letters to the tribes and individuals identified by the Native American Heritage Commission (NAHC) as part of the Final EIR and no formal consultation was requested. The Proposed Modified Project would result in physical effects outside of the areas previously identified; however, the Proposed Modified Project does not change the overall objectives and operations of the CLIBP Specific Plan and, as explained below, would not result in a new or substantially more severe significant impact on tribal cultural resources. Therefore, the County has met its requirement for consultation, and no further consultation is required as part of the Proposed Modified Project.

3.7.3 Standards of Significance

The standards of significance remain similar to those identified within the Final EIR. The CEQA Statute and Guidelines, including CEQA Guidelines Appendix G (CEQA Environmental Checklist), were updated in December 2018. This update resulted in an adjustment in language regarding historical resources pursuant to CEQA Guidelines Section 15064.5 and moved the paleontological resources discussion to Geology and Soils (refer to Section 3.7, below). The following table shows the standards of significance used in the Final EIR and the updated standards of significance used in this Addendum.

Final EIR Standards of Significance		Changes pursuant to CEQA Update	
Cultural Resources			
a	Cause a substantial adverse change in the significance of a historical resource as defined in CEQA Guidelines Section 15064.5	a	Cause a substantial adverse change in the significance of a historical resource pursuant to CEQA Guidelines Section 15064.5

b	Cause a substantial adverse change in the significance of an archaeological resource as pursuant to CEQA Guidelines Section 15064.5	b	No change
c	Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature		Moved to Geology and Soils
d	Disturb any human remains, including those interred outside of formal cemeteries	c	No change
Tribal Cultural Resources			
e	Cause a substantial adverse change in the significance of a tribal cultural resource as defined in PRC Section 21074	d	No change

3.7.4 Impact Discussion

Impacts a and b: Cause a substantial adverse change in the significance of a historical and archaeological resources pursuant to CEQA Guidelines Section 15064.5 (Final EIR Impacts 3.5-1 and 3.5-2).

Both the Final EIR and the Cultural Resources Inventory and Integrity Assessment prepared for this Addendum identified Fink Road as a historic-period resource. Fink Road was evaluated in 1999 and found to be not eligible for the National Register of Historic Places (National Register) or the California Register. The Cultural Resources Inventory and Integrity Assessment concluded that the previous evaluation continues to be accurate and Fink Road continues to be not eligible for inclusion on the National Register or California Register (ECORP, 2020). Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

The Proposed Modified Project’s water well site, located approximately two miles east of the Approved Project site, was surveyed in September 2020 and no prehistoric resources were identified. Record searches were conducted for this Addendum and they did not identify any prehistoric resources within the Proposed Modified Project’s water well site and the pipeline alignment or within the immediate vicinity (ECORP, 2020). As identified in the Cultural Resources Inventory and Integrity Assessment (ECORP, 2020), due to the previous disturbance from agriculture practices (most recently orchard) in the Proposed Modified Project’s water well site and pipeline alignment, the possibility of encountering prehistoric or historic artifacts or sites is low.

The Proposed Modified Project would comply with the CLIBP Specific Plan, General Plan and the County Code. In addition, the Proposed Modified Project would comply with BMPs and other standard construction practices and would implement Mitigation Measure 3.5-2 (refer to **Appendix A** for the MMRP). Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

Impact c: Disturb any human remains, including those interred outside of formal cemeteries (Final EIR Impact 3.5-3).

There is a chance that human remains associated with archaeological sites or within previously unidentified historical cemeteries could be impacted by ground-disturbing activities associated with the Proposed Modified Project. The Proposed Modified Project’s water well site and pipeline alignment would comply with the CLIBP Specific Plan, General Plan, the County Code, and California law protecting historic-era and Native American human burials, skeletal remains, and items associated with Native

American interments. As stated above, the Proposed Modified Project would implement BMPs and other standard construction practices, as well as the Mitigation Measure 3.5-2 (refer to **Appendix A** for the MMRP). The Proposed Modified Project would also comply with laws and regulations regarding discovery of human remains, including contacting the County Coroner, County Planning and Community Development Department, and the most likely descendant. Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

Impact d: Cause a substantial adverse change in the significance of a tribal cultural resource as defined in PRC Section 21074 (Final EIR Impacts 3.5-1 and 3.5-2).

A search of the Sacred Lands File by the NAHC did not indicate the presence of Native American cultural resources in the Proposed Modified Project's well site and pipeline alignment (ECORP, 2020). As discussed above, the County contacted the tribes and individuals identified by the NAHC as part of the Final EIR. The County did not receive a request for consultation from a Native American Tribe or Representatives for the Approved Project. The Proposed Modified Project would comply with the CLIBP Specific Plan, General Plan, and the County Code. In addition, the Proposed Modified Project would comply with BMPs and other standard construction practices and would implement Mitigation Measure 3.5-2 (refer to **Appendix A** for the MMRP). Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

3.8 Geology, Soils, and Paleontological Resources

3.8.1 Regulatory Setting

The regulatory setting remains similar to the regulatory setting identified within the Final EIR; however, one new plan has been adopted by the County.

On December 10, 2019, the County Board of Supervisors (Board) approved and adopted the Groundwater Sustainability Plans (GSPs) for the Northern and Central Delta-Mendota Regions Groundwater Subbasin (Stanislaus County, 2020). As stated in the Final EIR, the GSP includes sustainable management criteria which include measurable objectives and minimum thresholds for land subsidence for each management area. The relevant plan areas for the Proposed Modified Project, as defined in the GSP include: West Stanislaus Irrigation District and Patterson Irrigation District (WSID-PID MA) and Remaining Plan Area. Within the WSID-PID MA, the minimum threshold is set as the acceptable loss of distribution capacity as a result of subsidence resulting from groundwater pumping as based on a future capacity study, where the measurable objectives is no loss in distribution capacity as a result of subsidence related to groundwater pumping (numeric values to be established during the first GSP update). Within the Remaining Plan Area, the minimum threshold is set as the target rate/goal by monitoring subregion based on the average 2014-2016 elevation change from recent Delta-Mendota Canal surveys, where the measurable objective is the target rate/goal by monitoring subregion based on the average 2016-2018 elevation change from recent Delta-Mendota Canal surveys. The GSP also includes monitoring and reporting schedules and standards, which vary by sustainability indicator and management area. For the WSID-PID MMA, land subsidence would be measured twice during the first five years of GSP implementation, following a baseline elevation from 2019. For the Remaining Plan Area, elevations surveys would take place every other year during even numbered years. The GSP dictates when investigation and intervention is required (San Luis and Delta-Mendota Water Authority, 2019). The GSP regulations would not result in new or increased impacts related to geology, soils, seismicity, mineral, and paleontological resources.

3.8.2 Existing Conditions

The Proposed Modified Project includes a one-acre site for a water well approximately two miles east of the Approved Project site. This one-acre site contains the following soil types: Zacharias clay loam, 0-2% slopes and Vernalis clay loam, 0-2% slopes. In addition, the water pipeline associated with the Proposed Modified Project would extend from the water well south along Bonita Avenue and west on Fink Road to the northwest intersection of Fink Road and Bell Road, which traverse three soil types. **Table 3.6-1** provides a summary of the soil types identified in the Final EIR and the soil types within the additional area for the Proposed Modified Project; all soil types in the Proposed Modified Project are identified in the Final EIR. All soil types are discussed in further detail in Final EIR Table 3.8-2, Soil Characteristics.

Table 3.6-1. Soil Types for the Approved Project and Proposed Modified Project

Soil Type	Approved Project	Proposed Modified Project's Additional Area (Water Well and Pipeline)
Capay clay, 0-2% slopes	X	
Capay clay, 0-2% slopes, rarely flooded	X	
Capay clay, loamy substratum, 0-2% slopes	X	
Capay clay, wet, 0-2% slopes	X	
Vernalis loam, 0-2% slopes	X	
Vernalis clay loam, 0-2% slopes	X (off-site improvements ¹)	X (Fink Road)
Vernalis-Zacharias complex, 0-2% slopes	X	
Zacharias clay loam, 0-2% slopes	X	X
Stomar clay loam, 0-2% slopes	X (off-site improvements)	X (Bonita Avenue and Fink Road)
Sources: Final EIR (Stanislaus County, 2018a and 2018b) and Custom Soil Resources Report for Crows Landing Modified Project (USDA NRCS, 2020)		
¹ Off-site improvements for the Approved Project include areas of infrastructure that will be established in order to service the Approved Project site, such as roadway and intersection improvement or installation of wastewater or other dry utilities to connect the Approved Project site to these services.		

The Proposed Modified Project new well site and pipeline alignment contain gentle topography and lack steep slopes. There are no mapped seismically induced liquefaction hazard zones; however, the well site and pipeline alignment may have a potential for liquefaction and seismic settlement during a major event. The majority of the soils have a low soil bearing capacity resulting in the potential for subsidence and settlement. This information is unchanged from the Final EIR.

The existing faults in the Proposed Modified Project's water well site and pipeline alignment are unchanged from those identified in the Final EIR (Stanislaus County, 2018a and 2018b).

The Proposed Modified Project new water well site and pipeline alignment are located within alluvial fan and terrace deposits, within the Holocene age. This geologic formation is not known to contain "unique" paleontological resources. The formation is considered to be of low paleontological sensitivity (Stanislaus County, 2018a and 2018b). This is unchanged from the Final EIR.

3.8.3 Standards of Significance

The standards of significance remain similar to those identified within the Final EIR. The CEQA Statute and Guidelines, including CEQA Guidelines Appendix G (CEQA Environmental Checklist), were updated in December 2018. This update resulted in providing clarifying language related to both direct and indirect impacts, as well as moving the paleontological resources analysis from the cultural resources section to the geology and soils section. The following table shows the standards of significance used in the Final EIR and the updated standards of significance used in this Addendum.

Final EIR Standards of Significance		Changes pursuant to CEQA Update	
a	Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving: <ul style="list-style-type: none"> Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault. Refer to Division of Mines and Geology Special Publication 42. Strong seismic ground shaking. Seismic-related ground failure, including liquefaction Landslides 	a	Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving: <ul style="list-style-type: none"> Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault. Refer to Division of Mines and Geology Special Publication 42. Strong seismic ground shaking Seismic-related ground failure, including liquefaction Landslides
b	Result in substantial soil erosion or the loss of topsoil	b	No Change
c	Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on or off-site landslide, lateral spreading, subsidence, liquefaction or collapse	c	No Change
d	Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property	d	Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property
e	Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater	e	No Change
f	Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature	f	No Change; Final EIR anticipated the move from the Cultural Resources section (Stanislaus County, 2018b)

3.8.4 Impacts not discussed Further

The Proposed Modified Project's water well site and pipeline alignment are underlain with the same geologic formations, soil types, and groundwater levels as those identified in the Final EIR. The Proposed Modified Project would comply with the CLIBP Specific Plan, General Plan, County Code, and state and federal regulations, including the current California Building Code requirements. Thus, the Proposed Modified Project does not result in new or substantially more severe impacts for the following topics; therefore, they are not discussed further:

- Rupture of a known earthquake fault – The Proposed Modified Project’s water well site and pipeline alignment are not located within a designated Alquist-Priolo Earthquake Fault Zone. The Proposed Modified Project would implement Mitigation Measures 3.8-1a and 3.8-1b (refer to **Appendix A** for the MMRP).
- Strong seismic ground shaking – A moderately high level of seismic ground shaking would be expected at Proposed Modified Project’s well site and pipeline alignment, the same level of ground shaking identified by the Final EIR (Final EIR Impact 3.8-1). The Proposed Modified Project would implement Mitigation Measures 3.8-1a and 3.8-1b (refer to **Appendix A** for the MMRP).
- Seismic ground failure, including liquefaction – The Proposed Modified Project’s water well site and pipeline alignment have the same susceptibility to seismic ground failure, including liquefaction, as those identified in the Final EIR. The Proposed Modified Project would implement Mitigation Measures 3.8-1a, 3.8-1b, and 3.8-2c (refer to **Appendix A** for the MMRP).
- Landslides – The Final EIR determine no impact in this regard to the Approved Project site (Stanislaus County, 2018a and 2018b). The Proposed Modified Project’s water well site and pipeline alignment do not contain, nor are they adjacent to, any steep slopes.
- Loss of topsoil – The Proposed Modified Project’s water well site and pipeline alignment are underlain with the same geologic formations and soil types as identified in the Final EIR. Compliance with existing regulatory requirements, such as erosion control measures specified in the California Building Code, the County Code, and the County construction permit process, would reduce soil erosion and loss of topsoil.
- Be located on expansive soils – The Proposed Modified Project’s water well site and pipeline alignment are underlain with the same soil types as identified in the Final EIR. The Proposed Modified Project would implement Mitigation Measures 3.8-1a, 3.8-1b, and 3.8-2c (refer to **Appendix A** for the MMRP).
- Have soils that adequately support the use of septic systems – The Proposed Modified Project’s water well site and pipeline alignment, located outside of the Approved Project site, do not include a septic system.

3.8.5 Impact Discussion

Impact c: Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on or off-site lateral spreading, subsidence, liquefaction or collapse (Final EIR Impact 3.8-2).

The Proposed Modified Project’s water well site and pipeline alignment are underlain with the same geologic formations, soil types, and groundwater levels as those identified in the Final EIR. The Proposed Modified Project’s water well site and pipeline alignment have the same susceptibility to unstable conditions such as soil compression, subsidence, perched groundwater, and liquefaction as those identified in the Final EIR. The Well Design Report prepared by Wood Rodgers for the Proposed Modified Project’s water well found that temporary (elastic) subsidence occurs annually and permanent (inelastic) land subsidence has occurred in the area; approximately 2.4 inches of ground subsidence between the years 2005 and 2020 at a monitoring station approximately three miles north of the Proposed Modified Project’s water well location (Wood Rodgers, 2020a). This amount of documented subsidence is considered minimal and does not warrant special design considerations (such as a compression section within the well casing) for the Proposed Modified Project’s well site (Wood Rodgers, 2020a).

As stated above, the Board approved and adopted the Northern and Central Delta-Mendota Regions GSP. As identified in the Final EIR, the Proposed Modified Project is located within the Delta-Mendota II Groundwater Sustainability Agency (GSA) and the County would continue to coordinate with the GSA for local governance of groundwater conditions under the Sustainable Groundwater Management Act of 2014 and in compliance with the Northern and Central Region Delta-Mendota GSP. This GSP includes monitoring and reporting schedules and standards that dictate when investigation and intervention is required.

The Proposed Modified Project would comply with the CLIBP Specific Plan, General Plan, County Code, Northern and Central Delta Mendota Regions GSP, and state and federal regulations, including the current California Building Code requirements. In addition, the Proposed Modified Project would implement Mitigation Measures 3.8-1a, 3.8-1b, and 3.8-2c (refer to **Appendix A** for the MMRP). Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

Impact f: Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature (Final EIR Impact 3.8-7).

The Proposed Modified Project's water well site and pipeline alignment are generally underlain with Pleistocene-Holocene age of marine and nonmarine sedimentary rocks (California Geological Survey [CGS], 2020). The Final EIR states that Holocene deposits contain only the remains of extant, modern taxa, which are not considered "unique" paleontological resources; however, the older Pleistocene rock formations are located deeper than the Holocene-age deposits and could have the potential to contain paleontological resources. The University of California Museum of Paleontology (UCMP) identifies 235 localities within Stanislaus County; of these, there are 19 known localities found in the Pleistocene epoch which include vertebrates, invertebrates, and plants (UCMP, 2020).

Construction of the Proposed Modified Project could have the potential to encounter geologic formations that could contain previously unidentified fossils. It is possible that ground disturbing construction associated with the Proposed Modified Project's water well site or pipeline alignment could disturb paleontological resources. The Proposed Modified Project would comply with the CLIBP Specific Plan, General Plan, County Code, BMPs, and other standard construction practices regarding unknown buried resources. In addition, the Proposed Modified Project would implement Mitigation Measure 3.8-7 (refer to **Appendix A** for the MMRP). Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

3.9 Greenhouse Gas Emissions

3.9.1 Regulatory Setting

The overall regulatory setting remains similar to the regulatory setting identified within the Final EIR; however, federal regulations have been recently revised and are discussed below. The State or local regulatory setting is unchanged from the Final EIR.

U.S. EPA and NHSTA

As stated in the Final EIR, there are no federal GHG-related requirements that directly apply to the Approved Project. The U.S. EPA is the federal agency responsible for implementing the federal Clean Air Act (CAA). The Final EIR discusses the U.S. EPA CAA findings, mandatory GHG reporting rule, U.S. EPA and National Highway Traffic Safety Administration (NHSTA) standards, renewable fuel standard (RFS)

program, and proposed rulemaking for aircraft engines. These remain the same as in the Final EIR; however, there have been recent changes to the U.S. EPA and NHTSA standards.

The national program for GHG and fuel economy standards for light-duty vehicles (passenger cars and trucks) was developed jointly by U.S. EPA and NHTSA. The standards were established in two phases: (1) Model years 2012-2016; and (2) Model years 2017-2025. The U.S. EPA committed to making a midterm evaluation of the longer-term standards for model years 2022-2025 in coordination with NHTSA and CARB (U.S. EPA, 2020a). In April 2018, the U.S. EPA found that the model year 2022-2025 GHG standards should be revised (U.S. EPA, 2018). Beginning in September 2019, the U.S. EPA and NHTSA have been updating the regulations related to GHG emissions from light-duty passenger cars and trucks. In April 2020, NHTSA and U.S. EPA amended the Corporate Average Fuel Economy (CAFE) and greenhouse gas emissions standards for passenger cars and light trucks and established new less stringent standards, covering model years 2021-2026 (U.S. EPA, 2020a). The regulation changes are not directly related to the Proposed Modified Project; however, in light of the regulatory setting in the Final EIR, the most relevant regulation changes are summarized below to help understand the overall context for GHG emissions impacts and strategies to reduce GHG emissions.

- **September 2019 – Final Rule: One National Program on Federal Preemption of State Fuel Economy Standards (U.S. EPA, 2019).** The U.S. EPA and NHTSA issued a final action to enable the federal government to provide nationwide uniform fuel economy and GHG emission standards for automobile and light duty trucks. This action finalized critical parts of the Safer, Affordable, Fuel-Efficient (SAFE) Vehicles Rule that was first proposed in August 2018. The action clearly states that the federal law preempts state and local tailpipe GHG emissions standards as well as zero emission vehicle (ZEV) mandates. It also withdraws the federal CAA preemption waiver it granted to the State of California in January 2013 as it relates to California’s GHG and ZEV programs (U.S. EPA, 2019).
- **July 2020 – Direct Final Rule: Technical Correction to the Flex-fuel Vehicle Provisions in CAFE Regulations.** This Direct Final Rule corrects an error in the U.S. EPA’s regulations for test procedures used in the CAFE program. The correction clarifies the method for how E85 flex-fuel vehicles (FFVs) are accounted for in manufacturer fuel economy calculations for model years 2020 and later (U.S. EPA, 2020b).
- **August 2020 – E85 Flexible Fuel Vehicle Weighting Factor (F-factor) for Model Years 2021 and Later Vehicles.** The U.S. EPA is currently requesting public input on the weighting factor (F-factor) for E85 flexible fuel vehicles for model years 2021 and later. The current F-factor of 0.14 will be used until it is changed by the U.S. EPA through a new determination (U.S. EPA, 2020c).

These regulatory changes do not directly apply to the Proposed Modified Project; however, as employees commute to the CLIBP Specific Plan, the newer vehicles may have lower GHG emissions. The Proposed Modified Project would comply with the General Plan, County Code, CLIBP Specific Plan, SJVAPCD rules and regulation, and CARB requirements. The Proposed Modified Project would continue to implement the mitigation measures required in the Final EIR. In addition, as discussed in Section 3.3, Air Quality, above, and in Final EIR Section 3.2, Air Quality, implementation of mitigation measures (refer to **Appendix A** for the MMRP) would reduce single occupant vehicle commute by establishing a TDM or similar program and would encourage public transit, further reducing vehicle trips and thus, vehicle miles traveled (VMT). Therefore, the changes to passenger vehicle emissions regulations would not result in a new or substantially more severe impact.

3.9.2 Existing Conditions

The Proposed Modified Project is located within the central portion of the SJVAB and is under the jurisdiction of the SJVAPCD. Attainment status remains unchanged from what was identified in the Final EIR (SJVAPCD, 2020). Climate change is a global problem because GHGs are global pollutants, unlike criteria pollutants and toxic air contaminants (TACs), which are pollutants of regional and local concern (refer to Section 3.3, Air Quality, above, and Final EIR Section 3.2, Air Quality, for more information).

3.9.3 Standards of Significance

The standards of significance are the same as those identified within the Final EIR.

3.9.4 Impact Discussion

Impact a: Generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment (Final EIR Impact 3.7-1).

The Proposed Modified Project would relocate the water well for Phase 1A to a one-acre site approximately two miles east of the Approved Project site, north of the Bonita Elementary School baseball field, and west of the residential area of Crows Landing. Operations of the Proposed Modified Project's water system for Phase 1A would include on-site backup generators, which would generate emissions from exhaust associated with intermittent testing and maintenance of the generators. It is also conservatively assumed that operations could generate emissions from area sources, including intermittent use of landscape equipment to manage surrounding vegetation. The Approved Project includes the well for Phase 1A within the original Approved Project site; therefore, the Final EIR included this well in the emissions models and analysis for Phase 1 of the CLIBP Specific Plan. The Final EIR determined that the GHG emissions for the operations of the CLIBP Specific Plan Phase 1 water supply system would be approximately 4,048 MT CO₂e/yr with or without mitigation measures (Stanislaus County, 2018b).

Because the proposed well would now be adjacent to the Bonita Elementary School baseball field, emissions associated with long-term operations of the Phase 1A water system were modeled and are provided in **Appendix B**, Phase 1A Water Supply Emissions (AECOM, 2020). The annual operational GHG emissions for the Proposed Modified Project's water supply system for Phase 1A would be approximately 232 MT CO₂e per year (AECOM, 2020; **Appendix B**). The emissions of this well were covered in the Final EIR, thus, the Proposed Modified Project would not substantially increase the modeled annual emissions for the implementation of the CLIBP Specific Plan Phase 1A.

The Proposed Modified Project would comply with the General Plan, County Code, CLIBP Specific Plan, SJVAPCD rules and regulations, including the Climate Action Plan (CCAP), and CARB GHG emissions guidance, and would implement Mitigation Measures 3.2-3b and 3.7-1b (refer to **Appendix A** for the MMRP). No new or substantially more severe impacts would occur due to the Proposed Modified Project.

Impact b: Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of GHGs (Final EIR Impact 3.7-2).

The Proposed Modified Project includes changes to the water, wastewater, and drainage systems identified in the Final EIR. While the Proposed Modified Project differs from the Approved Project, it does

not change the overall construction or function of the CLIBP Specific Plan. The Proposed Modified Project would be consistent with the General Plan, County Code, CLIBP Specific Plan, SJVAPCD rules and regulations, including the CCAP, and CARB GHG emissions guidance, CARB Scoping Plan, and the Stanislaus Council of Governments (StanCOG) Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) regarding GHG emissions and transportation-related goals, policies, and actions. Thus, the Proposed Modified Project would be consistent with the goals of the applicable GHG reduction plans. No new or substantially more severe impacts would occur due to the Proposed Modified Project.

3.10 Hazards and Hazardous Materials

3.10.1 Regulatory Setting

The regulatory setting is unchanged from the Final EIR.

3.10.2 Existing Conditions

A database report was obtained from Environmental Database Resources, Inc. (EDR) in September 2020 (refer to **Appendix E**) to determine if hazardous materials occur within or in close proximity to the Proposed Modified Project area, outside of the Approved Project site. The EDR Report consists of information compiled from various government records, such as Geotracker, National Priorities List and Solid Waste Information System (EDR, 2020; see **Appendix E**). In addition, the SWRCB hazards materials database known as Geotracker (SWRCB, 2020). Findings in the County's Certified Unified Program Agency Database (CUPA), Drycleaners, Recycling Facilities in California (SWRCY), Resource Conservation and Recovery Act - Non Generators (RCRA NonGen), CA Bond EXP Plan, Certified Process Database (PROC), EDR US Historic Auto, Emission Inventory Data (EMI), and EDR US Historic Cleaners have a very low potential impact of the listed sites.

Both the Final EIR and the 2020 EDR Report (**Appendix E**) identified the former NASA Crows Landing Flight Facility/Ames Research Center within the Approved Project site, which is addressed within the Final EIR (EDR, 2020; Stanislaus County, 2018a and 2018b). Bonita Elementary School, immediately south of the Proposed Modified Project's water well site, is identified on the Hazardous Waste Materials Facility and Manifest Database (HAZNET), Hazardous Waste Tracking System (HWTS), RCRA NonGen/No Longer Regulated (NLR), because of chemicals kept for cleaning and building renovations that resulted in the release of asbestos containing materials (ACMs) (EDR, 2020). Multiple sites were identified along SR 33 within the community of Crows Landing related to gas stations, mini-marts, and automotive services. One leaking underground storage tank (LUST) case within 0.5 miles of the water well site, Q Plus Automotive at 22160 Highway 33, east of SR 33, was identified and is considered open (EDR, 2020; SWRCB, 2020). Westside Equipment C at 18 Fink Road, is identified as under remediation due to buried drums that were found during installation of new concrete pads during building. This site is on the cleanup program sites (CPS), which is also known as spills, leaks, investigations, and cleanup (SLIC) (EDR, 2020; SWRCB, 2020).

The Proposed Modified Project's water well site and pipeline alignment are within a federal responsibility area (FRA) that has not been rated for fire hazard severity zone (FHSZ). The Proposed Modified Project's water well is within a local responsibility area that has not been rated for FHSZ (California Department of Forestry and Fire Protection [CalFire], 2020). The closest airport to the Proposed Modified Project's water well site and pipeline alignment is the Modesto City-County airport, the same as identified in the Final EIR (Stanislaus County, 2018a and 2018b).

3.10.3 Standards of Significance

The standards of significance remain similar to those identified within the Final EIR. The CEQA Statute and Guidelines, including CEQA Guidelines Appendix G (CEQA Environmental Checklist), were updated in December 2018. This update resulted in combining public and private airport discussions and revising the wildland fire hazard discussion. The following table shows the standards of significance used in the Final EIR and the updated standards of significance used in this Addendum.

Final EIR Standards of Significance		Changes pursuant to CEQA Update	
a	Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials	a	No change
b	Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment	b	No change
c	Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school	c	No change
d	Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, create a significant hazard to the public or the environment	d	No change
e	Result in a safety hazard for people residing or working in a project area that is located within two miles of a public use airport or private airstrip	e	No change
f	Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan	f	No change
g	Expose people or structures to a significant risk of loss, injury, or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands	g	Expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires

3.10.4 Impacts not Discussed Further

The Proposed Modified Project does not result in new or substantially more severe impacts for the following topics; therefore, they are not discussed further:

- Routine transport, use, or disposal of hazardous materials – The Proposed Modified Project’s water well site and pipeline alignment would not require the routine transport, use, or disposal of hazardous materials.
- Emit or handle hazardous materials within one-quarter mile of a school – The Final EIR identified Bonita Elementary School as not within 0.25 mile of the Approved Project site; therefore, did not analyze handling hazardous materials within 0.25 mile of a school. The Proposed Modified Project would relocate the water well to a one-acre site approximately two miles east of the Approved Project site, north of the Bonita Elementary School baseball field, and west of the residential area

of Crows Landing. The Proposed Modified Project's water well site would not handle hazardous materials. While the school is now within 0.25 mile of the Proposed Modified Project's water well site, operations of the proposed water well would not result in the handling of hazardous materials beyond fuel used for on-site generator to provide back-up power. The Proposed Modified Project's water well site is on agricultural land and involved the use of pesticides, fertilizers, and fuel for equipment. The back-up generator would not increase the use of hazardous materials. Hazardous emissions related to air quality and GHGs are discussed in Sections 3.5 and 3.9, respectively, of this Addendum.

- Impair or physically interfere with an adopted emergency response plan or emergency evacuation plan – The Proposed Modified Project's water well site is located on a one-acre site outside of roadway right-of-way. The Proposed Modified Project's water pipeline alignment would result in construction on Bonita Avenue and Fink Road, from the water well site to the Approved Project site. During Construction, the Proposed Modified Project would implement a traffic control plan as required in Mitigation Measure 3.9-4 (refer to **Appendix A** for the MMRP). The Proposed Modified Project would not impair or physically interfere with an emergency response plan or emergency evacuation plan.
- Be located within an ALUCP or within 2 miles of a public or private airport, resulting in a safety hazard or excessive noise – The Approved Project included an update to the ALUCP. The Proposed Modified Project's water well site and pipeline alignment are within the Crows Landing ALUCP Influence Review Area 2, but outside the identified safety zones. The Proposed Modified Project would comply with FAA guidance, CLIBP Specific Plan, and Updated ALUCP.
- Expose people or structures to a significant risk involving wildland fires – The Final EIR determined no impact in this regard to the Approved Project site (Stanislaus County, 2018a and 2018b). The Proposed Modified Project's water well site and pipeline alignment are surrounded by agricultural land uses and urban development associated with the community of Crows Landing. The wildland fire risk is considered very low.

3.10.5 Impact Discussion

Impact b: Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment (Final EIR Impacts 3.9-1 and 3.9-2).

As discussed above, the water well site is not located on land that is known to contain hazardous materials. The Proposed Modified Project's water well site is within an area of agricultural land use, similar to the agricultural land evaluated in the Final EIR. There is a chance that during construction of the new pipeline along Bonita Avenue and Fink Road, that lead based paint, which is often found in roadway striping, may be encountered. The Proposed Modified Project would implement construction BMPs and would comply with the General Plan, County Code, and other applicable regulations to reduce the risk of upset of hazardous materials. The Proposed Modified Project would comply with the SJVAPCD rules and regulations and the CARB requirements which would reduce hazards associated with soil and ground disturbance. The Proposed Modified Project would implement Mitigation Measures 3.9-2a and 3.9-2b (refer to **Appendix A** for the MMRP). Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

Impact d: Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, create a significant hazard to the public or the environment (Final EIR Impact 3.9-2).

Former activities on the NASA Crows Landing Flight Facility/Ames Research Center resulted in soil and groundwater contamination in the Site 17 Administration Area Groundwater Plume. The Navy is the lead agency responsible for cleanup activities, and cleanup actions are occurring in compliance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) (Stanislaus County, 2018a and 2018b). The Proposed Modified Project's water well site and pipeline alignment are not located on land that is known to contain hazardous materials.

The Proposed Modified Project would implement construction BMPs and would comply the General Plan, County Code, and other applicable regulations to reduce the risk of upset of hazardous materials, as well as would comply with SJVAPCD rules and regulations and CARB requirements which would reduce hazards associated with soil and ground disturbance. The Proposed Modified Project would implement Mitigation Measures 3.9-2a, 3.9-2b, and 3.9-2d (refer to **Appendix A** for the MMRP). Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

3.11 Hydrology and Water Quality

3.11.1 Regulatory Setting

The regulatory setting remains similar to the regulatory setting identified within the Final EIR; however, the U.S. EPA and the Corps published in the Federal Register a rule revising the definition of the term "Waters of the United States". In addition, one new plan has been adopted by the County. These changes and new plan are discussed below; however, the new regulations or changes to existing regulations would not result in new or increased impacts related to hydrology and water quality.

As discussed in Section 3.4, above, on April 21, 2020, the U.S. EPA and Corps published in the Federal Register a rule revising the definition of the term "waters of the United States," which is now titled "Navigable Waters Protection Rule" (Step Two Rule). The Step Two Rule narrows the definition of wetlands and waterways subject to jurisdiction under Section 10 of the Rivers and Harbors Act of 1899 and Sections 401 and 404 of the CWA. The SWRCB adopted the State Wetland Definition and Procedures for Discharge of Dredged or Fill Material to Waters of the State (Wetland Riparian Area Protection Policy) which strengthens the protection of waters of the State that are no longer protected under the CWA due to the Step Two Rule; this policy went into effect on May 28, 2020. The new federal regulation and new State policy would not result in new or substantially more severe impacts related to hydrology and water quality.

As discussed in Section 3.6, above, on December 10, 2019, the Board approved and adopted the GSPs for the Northern and Central Delta-Mendota Regions Groundwater Subbasin (Stanislaus County, 2020). As stated in the Final EIR, the GSP includes sustainable management criteria which include measurable objectives and minimum thresholds for land subsidence for each management area. The relevant plan areas for the Proposed Modified Project, as defined in the GSP, include West Stanislaus Irrigation District and Patterson Irrigation District (WSID-PID MA) and Remaining Plan Area. Within the WSID-PID MA, the minimum threshold is set as the acceptable loss of distribution capacity as a result of subsidence resulting from groundwater pumping as based on a future capacity study, where the measurable objective is no loss in distribution capacity as a result of subsidence related to groundwater pumping (numeric values to be established during the first GSP update). Within the Remaining Plan Area, the minimum threshold is

set as the target rate/goal by monitoring subregion based on the average 2014-2016 elevation change from recent Delta-Mendota Canal surveys, where the measurable objective is the target rate/goal by monitoring subregion based on the average 2016-2018 elevation change from recent Delta-Mendota Canal surveys. The GSP also includes monitoring and reporting schedules and standards, which vary by sustainability indicator and management area. For the WSID-PID MMA, land subsidence would be measured twice during the first five years of GSP implementation, following a baseline elevation from 2019. For the Remaining Plan Area, elevations surveys would take place every other year during even years. The GSP dictates when investigation and intervention is required (San Luis and Delta-Mendota Water Authority, 2019).

3.11.2 Existing Conditions

Little Salado Creek flows through the Approved Project site, crossing under the Delta-Mendota Canal through a box culvert into a modified channel through agricultural fields. Two excavated basins comprising a total of 0.05 acres are present at the center of the Approved Project site, where Little Salado Creek meets the edge of a runway. Seven ditches occur on the Approved Project site and are used to convey stormwater runoff and agricultural tailwater to Little Salado Creek. The Delta-Mendota Canal runs in a northwest-southeast direction within the Approved Project site.

Regarding surface water, the Proposed Modified Project is within the San Joaquin River Drainage Province in the Middle San Joaquin-Lower Chowchilla subwatershed and the Little Salado Creek subwatershed. Regarding groundwater, the Proposed Modified Project as is located in the San Joaquin Valley Groundwater Basin, within the Delta-Mendota Subbasin. This subbasin is bounded by the Coast Ranges to the west, approximately the Stanislaus/San Joaquin county line to the north, and the San Joaquin River to the east. The majority of the high-capacity wells in the vicinity of the Proposed Modified Project extend into the confined aquifer system, while domestic wells in the area generally extend into the unconfined aquifer system (Stanislaus County, 2018a and 2018b; Wood Rodgers, 2020a, 2020b, and 2020c).

The Approved Project site is located within Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) as within Zone A (100-year floodplain) and partially within Zone X (500-year or 100-year floodplain with depths less than 1 foot). The County determined that FEMA FIRM Zone A was incorrectly mapped over a larger area than necessary (Stanislaus County, 2018a and 2018b). The Proposed Modified Project would include an additional one-acre site for the water well, located approximately two miles east of the Approved Project site. This site is located in FEMA FIRM flood map panel 06099C0765E in FEMA FIRM Zone X (FEMA, 2008).

The Final EIR identified numerous water bodies in the CLIBP Specific Plan study area listed on the Clean Water Act (CWA) Section 303(d) List of Water Quality Limited Segments. Little Salado Creek was not listed on the CWA Section 303(d) List of Water Quality Limited Segments (303(d) List) at the time of the EIR; however, Little Salado Creek discharges into the Marshall Road Drain and then into the San Joaquin River, which is on the 303(d) list at the time of the Final EIR (Stanislaus County, 2018a and 2018b).

Irrigation water can contain higher concentrations of dissolved solids than water from natural recharge. There is a contaminated groundwater plume, known as the Site 17 Administration Area Plume, that is present underneath the Approved Project site, east of the runways, outside Phases 1A and 1B boundaries (Stanislaus County 2018a and 2018b). The Proposed Modified Project would include an additional one-acre site for a water well, located approximately two miles east of the Approved Project site, and more

than 1.7 miles southeast of the known groundwater plume. The water quality of the groundwater generally improves to the east of the Approved Project site.

The Proposed Modified Project is not located within a dam inundation area. According to the Del Puerto Canyon Reservoir Final EIR (State Clearinghouse Number 2019060254), which was approved in October 2020, the dam failure inundation area preliminary model shows that the Proposed Modified Project is outside of the dam inundation area (Del Puerto Water District, 2020). Refer to **Appendix F** for figures of preliminary dam failure inundation areas related to the main dam and side dam of Del Puerto Canyon Reservoir (Del Puerto Water District, 2020). The Proposed Modified Project is not within an area at risk from seiche, tsunami, or mudflow.

3.11.3 Standards of Significance

The standards of significance remain similar to those identified within the Final EIR. The CEQA Statute and Guidelines, including CEQA Guidelines Appendix G (CEQA Environmental Checklist), were updated in December 2018. This update resulted in revising the language to include effects on drainage patterns from the addition of impervious surfaces, to focus on the release of pollutants due to flood inundation, and to analyze water supply and groundwater management. The changes also deleted standards regarding placing structures within the 100-year floodplain or exposing people or structures to inundation from the failure of a levee or dam. The following table shows the standards of significance used in the Final EIR and the updated standards of significance used in this Addendum.

Final EIR Standards of Significance		Changes pursuant to CEQA Update	
a	Violate any water quality standards or waste discharge requirements, including NPDES waste discharge or stormwater runoff requirements, State or federal anti-degradation policies, enforceable water quality standards contained in the Central Valley RWQCB Basin Plan or statewide water quality control plans, or federal rulemakings to establish water quality standards in California	a	Violate any water quality standards or discharge requirements or otherwise substantially degrade surface or groundwater quality
b	Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level	b	Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin
c	Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site	c	Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would result in substantial erosion or siltation on- or off-site
d	Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site	d	Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site

Final EIR Standards of Significance		Changes pursuant to CEQA Update	
e	Create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff	e	Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff
		f	Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would impede or redirect flood flows
		g	In flood hazard, tsunami or seiche zones, risk release of pollutants due to project inundation
		h	Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan
f	Otherwise substantially degrade water quality		Deleted
g	Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map		Deleted
h	Place within a 100-year flood hazard area structures which would impede or redirect flood flows		Deleted
i	Expose people or structures to a significant risk of loss, injury, or death involving flooding, including flooding as a result of the failure of a levee or dam		Deleted
f	Be subject to inundation by seiche, tsunami, or mudflow		Deleted

3.11.4 Impacts not Discussed Further

The Proposed Modified Project does not result in new or substantially more severe impacts for the following topic; therefore, it is not discussed further:

- Violate water quality standards or discharge requirements or otherwise degrade surface or groundwater quality – The Proposed Modified Project would not change the overall construction or operation activities identified by the Final EIR for the implementation of the CLIBP Specific Plan Phase 1A. The Proposed Modified Project would comply with the CLIBP Specific Plan, which includes LID features, General Plan, County Code, including the Stanislaus County Groundwater Ordinance, and the GPS for the Northern and Central Delta-Mendota Regions Groundwater Subbasin. The Proposed Modified Project would implement Mitigation Measures 3.10-1b and 3.10-3b (refer to **Appendix A** for the MMRP).
- In flood hazard, tsunami or seiche zones, risk release of pollutants due to project inundation – The Proposed Modified Project’s water well site and pipeline alignment are not located in a tsunami or seiche zone. The Proposed Modified Project’s water well site is located in FEMA FIRM flood

map panel 06099C0765E in FEMA FIRM Zone X (FEMA, 2008); therefore, it is not located in a flood hazard zone.

- Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan – The Proposed Modified Project would comply with the CLIBP Specific Plan, which includes LID features, General Plan, County Code, including the Stanislaus County Groundwater Ordinance, and the GPS for the Northern and Central Delta-Mendota Regions Groundwater Subbasin. The Proposed Modified Project would implement Mitigation Measures 3.10-3b, 3.10-3c, 3.10-4a, and 3.10-4b (refer to **Appendix A** for the MMRP).

3.11.5 Impact Discussion

Impact b: Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin (Final EIR Impacts 3.10-3 and 3.10-4).

The Proposed Modified Project would include wastewater pipelines that would flow into one centralized wastewater dispersal area of approximately 17.2 acres, immediately northeast of the Delta-Mendota Canal, within Phase 1B (refer to **Figure 2-5**). While the Proposed Modified Project differs from the Approved Project, it does not change the overall construction or function of the CLIBP Specific Plan. Thus, the Proposed Modified Project's wastewater system would have no change to the impacts identified in the Final EIR regarding groundwater supply and recharge.

The Proposed Modified Project also includes a modification of the water system which involves relocating the water well approximately two miles east of the Approved Project site and a pipeline to deliver water from the well to the Approved Project site. The need for a well to meet the water demand of Phase 1A was included in the Final EIR; however, the location would change as a result of the Proposed Modified Project. Even with the location change, the water well would still be in the same groundwater basin as identified in the Final EIR. A Water Study was prepared for the Proposed Modified Project and found that the maximum day demand for Phase 1A is approximately 198 gallons per minute (gpm), which is approximately 17 percent lower than the demand identified in the Final EIR for Phase 1A; therefore, one well is proposed to serve Phase 1A (Wood Rodgers, 2020b). The Final EIR identified the need for one new potable groundwater well and the use of three existing non-potable wells to meet the Approved Project's potable water supply demands through Phase 1A. The groundwater at the Proposed Modified Project's water well site is of sufficient quantity and quality, and does not require treatment to meet current State of California Division of Drinking Water standards. As with the Approved Project, the Proposed Modified Project would not rely on water supplies from either the City of Patterson's current water service area or the current Crows Landing CSD.

The Proposed Modified Project would provide a detention/infiltration basin parallel to the Delta-Mendota Canal within Approved Project site for Phase 1A instead of a stormwater management pond in the northeast corner of the Approved Project site for Phase 1 that was analyzed in the Final EIR. The Proposed Modified Project's detention/infiltration basin would collect Phase 1A runoff directly, below the Delta-Mendota Canal levels, and safely allow for 100 percent infiltration of local runoff under most conditions (Wood Rodgers, 2020c). The detention/infiltration basin would promote on-site stormwater retention and recharge with an infiltration rate of 1.7 feet per day (Wood Rodgers, 2020c).

The Proposed Modified Project would comply with the CLIBP Specific Plan, which includes LID features, General Plan, County Code, including the Stanislaus County Groundwater Ordinance, and the GPS for the

Northern and Central Delta-Mendota Regions Groundwater Subbasin. The Proposed Modified Project would implement Mitigation Measures 3.10-3b, 3.10-3c, 3.10-4a, and 3.10-4b (refer to **Appendix A** for the MMRP). Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

Impacts c and d: Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would result in substantial erosion or siltation on- or off-site or flooding on- or off-site (Final EIR Impacts 3.10-1, 3.10-2, and 3.10-3).

The Proposed Modified Project includes the relocation of a water well to approximately two miles east of the Approved Project site. The water well is located in an existing agricultural area that has historically been an orchard; however, the site is currently not in cultivation. The water well site would be enclosed within a chain link fence with an access gate. The well and control equipment would be housed within a masonry block building. Access to the well site would be by a paved road and a parking spot/turn around area would be provided at the well site. Pavement would be kept to the minimum needed for proper operations and maintenance of the well facility. Any areas without improvements would be covered in gravel with weed abatement fabric below the gravel to prevent weed growth while still allowing for infiltration of precipitation. Therefore, while the construction of the water well would include the introduction of impervious surfaces for approximately 0.46 acres to allow for the paved access area and masonry block building. The remaining portion of the site, approximately 0.54 acres, would remain pervious (gravel) surface (refer to **Figure 2-5**). Therefore, the Proposed Modified Project would not substantially change the drainage patterns on- or off-site as a result of the water well.

A Drainage Study was prepared to identify the backbone drainage infrastructure required to serve the CLIBP Specific Plan Phase 1A (Wood Rodgers, 2020c). Based on the Drainage Study, the amount of runoff that enters the Approved Project site is greater than what was analyzed in the Final EIR (Wood Rodgers, 2020c). Therefore, the Proposed Modified Project includes a modified detention/infiltration basin that parallels the Delta-Mendota Canal and would convey on and off-site runoff (refer to **Figure 2-6**). While the revised drainage infrastructure would have a different footprint than what was analyzed in the Final EIR, the Proposed Modified Project's drainage system would continue to be within the boundaries of the Approved Project site, specifically Phase 1A. The Proposed Modified Project would result in no net increase in off-site drainage and would not result in increased runoff that would result in substantial erosion or siltation on- or off-site or flooding on- or off-site.

The Proposed Modified Project would comply with the CLIBP Specific Plan, General Plan, County Code, construction BMPs, and other regulations applicable to runoff and erosion and siltation, including the SWRCB NPDES Construction General Permit. The Proposed Modified Project would be consistent with the CLIBP Specific Plan and General Plan and would comply with the County Code and LID requirements, as it would be built to current standards. In addition, the Proposed Modified Project would implement the Mitigation Measures 3.10-1b, 3.10-2, 3.10-3b, and 3.10-3c (refer to **Appendix A** for the MMRP). Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

Impact e: Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff (Final EIR Impacts 3.10-1, 3.10-2, 3.10-3, and 3.10-5).

During construction, the Proposed Modified Project would require water supply, wastewater facilities (typically port-a-potties for construction crews) and would have storm water runoff if rains occur during construction. The water and port-a-potties would be brought to the construction site and the need for these facilities would be temporary in nature. The port-a-potties are operated by private companies that provide cleaning services and are removed from the site upon completion of construction. The storm water runoff would occur if it rains; however, use of BMPs along with compliance with permits, including the NPDES and associated SWPPP, would reduce the amount of runoff during construction, thus minimizing polluted runoff. No new or substantially more severe construction impacts would occur due to the Proposed Modified Project.

As discussed above, under Impacts c and d, the Proposed Modified Project would not result in a net increase in off-site drainage and would not result in increased runoff that would result in substantial erosion or siltation on- or off-site or flooding on- or off-site. Therefore, no new or substantially more severe impacts to planned stormwater drainage systems and drainage patterns would occur due to the Proposed Modified Project.

Based on the Drainage Study, it was determined that the amount of runoff that enters the Approved Project site would be greater than what was analyzed in the Final EIR (Wood Rodgers, 2020c). Therefore, the Proposed Modified Project includes a modified detention/infiltration basin that parallels the Delta-Mendota Canal and would convey on and off-site runoff. While the revised drainage infrastructure would have a different footprint than what was analyzed in the Final EIR, the Proposed Modified Project's drainage system would continue to be within the boundaries of the Approved Project site. The detention/infiltration basin would comply with FAA guidance, CLIBP Specific Plan, and ALUCP policies pertaining to open water within the airport influence area, as analyzed in the Final EIR. The Proposed Modified Project would result in no net increase in off-site drainage.

The Proposed Modified Project would be consistent with the CLIBP Specific Plan and General Plan and would comply with the County Code and LID requirements, because it would be built to current standards. In addition, the Proposed Modified Project would implement the Mitigation Measures 3.10-1b, 3.10-2, 3.10-3b, 3.10-3c, and 3.10-5 (refer to **Appendix A** for the MMRP). Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

Impact f: Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would impede or redirect flood flows (Final EIR Impact 3.10-5).

The Proposed Modified Project would change the water, wastewater, and drainage systems for CLIBP Specific Plan Phase 1A. The change in the water system involves relocating a water well to approximately two miles east of the Approved Project site and introducing a water pipeline along existing roadways to deliver water from the well to Approved Project Phase 1A area. The Proposed Modified Project's water well and pipeline are within flood risk Zone X. Therefore, the relocation of the water well would not substantially alter the existing drainage pattern of the one-acre well site in a manner that would impede

or redirect flood flows. No new or substantially more severe impacts related to flood flows would occur due to the Proposed Modified Project.

The wastewater system would include wastewater pipelines that would flow into one centralized wastewater treatment and dispersal area of approximately 17.2 acres, immediately northeast of the Delta-Mendota Canal, within the Phase 1B boundaries (refer to **Figure 2-5**), to serve Phase 1A. The revised drainage system would provide a detention/infiltration basin parallel to the Delta-Mendota Canal within the boundaries of the Approved Project site to convey on and off-site runoff. The proposed, modified drainage system has been designed to maintain no net increase in runoff from the Proposed Modified Project, as analyzed in the Drainage Study (Wood Rodgers, 2020c). These systems were identified within the Final EIR, and the modifications do not change the function or operation activities required to implement Phase 1A of the CLIBP Specific Plan. They would not substantially alter and existing drainage pattern or alter the course of a stream or river within the Approved Project site.

During construction, the Proposed Modified Project would comply with the CLIBP Specific Plan, General Plan, County Code, construction BMPs, and other regulations applicable to stormwater runoff. Upon completion, the Proposed Modified Project would be consistent with the CLIBP Specific Plan, General Plan, County Code, and LID requirements, as it would be built to current standards. The Proposed Modified Project would implement Mitigation Measures 3.10-1b, 3.10-2, 3.10-3b, and .10-5 (refer to **Appendix A** for the MMRP). Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

3.12 Land Use and Planning

3.12.1 Regulatory Setting

The regulatory setting is unchanged from the Final EIR.

3.12.2 Existing Conditions

The Approved Project site is generally surrounded by agricultural land uses, with some rural residences in the vicinity. The Delta-Mendota Canal traverses the Approved Project site in a northwest-to-southeast direction. The Approved Project site has a zone classification to S-P(2) and a land use designation of Specific Plan

The Proposed Modified Project's water well site is currently agricultural land. This site has a zone classification of A-2-40 (General Agriculture), a land use designation of Agriculture, is designated as Prime Farmland (California Department of Conservation [DOC], 2018), and is currently under a Williamson Act contract.

3.12.3 Standards of Significance

The standards of significance remain similar to those identified within the Final EIR. The CEQA Statute and Guidelines, including CEQA Guidelines Appendix G (CEQA Environmental Checklist), were updated in December 2018. This update resulted in revising language regarding conflicts with land use plans and deleting the redundant question regarding compliance with a habitat conservation plan (refer to Section 3.4, Biological Resources). The following table shows the standards of significance used in the Final EIR and the updated standards of significance used in this Addendum.

Final EIR Standards of Significance		Changes pursuant to CEQA Update	
a	Physically divide an established community	a	No change
b	Conflict with any applicable land use plan, policy or regulation of an agency with jurisdiction over the proposed project adopted for the purpose of avoiding or mitigating and environmental effect	b	Cause a significant environmental impact due to a conflict with any land use plan, policy or regulation adopted for the purpose of avoiding or mitigating and environmental effect
c	Conflict with any applicable habitat conservation plan or natural community conservation plan		Deleted (Refer to Biological Resources)

3.12.4 Impacts not Discussed Further

The Proposed Modified Project does not result in new or substantially more severe impacts for the following topic; therefore, it is not discussed further:

- Physically divide an established community –The Proposed Modified Project would relocate the water well to a one-acre site approximately two miles east of the Approved Project site, north of the Bonita Elementary School baseball field, and west of the residential area of Crows Landing. The Proposed Modified Project’s water well site and pipeline alignment are primarily surrounded by agricultural land, and the well site is adjacent to the community of Crows Landing, an urban area. The pipeline alignment would be located within the Bonita Avenue and Fink Road rights-of-way.

3.12.5 Impact Discussion

Impact b: Cause a significant environmental impact due to a conflict with any land use plan, policy or regulation adopted for the purpose of avoiding or mitigating and environmental effect (Final EIR Impacts 3.11-1 and 3.11-2).

The Proposed Modified Project’s water well site is approximately two miles east of the CLBP Specific Plan site. The Proposed Modified Project’s water well site is zoned A-2-40 (General Agriculture) and is currently under Williamson Act contract. Pursuant to County Zoning Ordinance 21.20.045(B), water facilities are determined to be consistent with the principles of compatibility with agricultural land and may be approved on Williamson Act contracted land. The water well is consistent with the A-2-40 (General Agriculture) zone, which allows for the development of facilities for public utilities, such as water wells. The Proposed Modified Project would be implemented in accordance with the CLIBP Specific Plan development standards and design standards, as well as the County’s General Plan, County Code, and the County’s ALUCP. Thus, the Proposed Modified Project would comply with the County’s land use plans, policies and regulations. Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

3.13 Noise

3.13.1 Regulatory Setting

The regulatory setting is unchanged from the Final EIR.

3.13.2 Existing Conditions

Vehicle traffic noise is associated with I-5, SR 33, Fink Road, West Marshal Road, and Bell Road. Train operation noise is associated with the Union Pacific Railroad (UPRR) which parallels SR 33. Stationary noise sources in the area include agricultural equipment operations and facilities. Near the Proposed

Modified Project’s water well, noise sources also include roads within the community of Crows Landing, the agricultural operations of the surrounding land uses, and Bonita Elementary School.

3.13.3 Standards of Significance

The standards of significance remain similar to those identified within the Final EIR. The CEQA Statute and Guidelines, including CEQA Guidelines Appendix G (CEQA Environmental Checklist), were updated in December 2018. This update resulted in combining temporary and permanent impacts and combining private and public airports and airstrips. The following table shows the standards of significance used in the Final EIR and the updated standards of significance used in this Addendum.

Final EIR Standards of Significance		Changes pursuant to CEQA Update	
a	Expose people to or generate noise levels in excess of standards established in the General Plan or the Code, and/or the applicable standards of other agencies	a	Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies
b	Expose people to generate excessive groundbourne vibration or groundbourne noise levels	b	Generation of excessive groundbourne vibration or groundbourne noise levels
c	Result in a substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project		Deleted
d	Result in a substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project		Deleted
e	Expose people residing or working in the vicinity of the project area to excessive aircraft noise levels, either within an airport land use plan area or within 2 miles of a public airport or public use airport	c	Expose people residing or working in the vicinity of the project area to excessive noise levels when located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airstrip or public use airport
f	Expose people residing or working in the project area to excessive noise levels from a private airstrip		Deleted

3.13.4 Impacts not Discussed Further

The Proposed Modified Project does not result in new or substantially more severe impacts for the following topic; therefore, it is not discussed further:

- Permanent increase in ambient noise levels regarding operation transportation noise – The Proposed Modified Project’s water well site would not require employees to access the site on a daily basis, but rather maintenance crews would access the site periodically. The maintenance crews would be small, resulting in a few vehicles accessing the site at the same time. This would not result in an increase in ambient noise levels regarding operation transportation noise. The Proposed Modified Project would comply with the CLIBP Specific Plan, General Plan, and County Code.
- Excessive groundbourne vibration or groundbourne noise levels during operation – The Proposed Modified Project’s water well site is approximately 200 feet from the nearest residence and approximately 590 feet from the nearest school building. The proposed water well and control

equipment would be housed within a masonry block building. The Proposed Modified Project's water well pump would not result in the creation of groundbourne vibration or groundbourne noise levels. The Proposed Modified Project would comply with the CLIBP Specific Plan, General Plan, and County Code.

- Expose people to excessive noise levels for a project within two miles of a public airstrip or public use airport – The Proposed Modified Project's water well site and pipeline alignment is within the Crows Landing Airport Influence Review Area 2 of the County's ALUCP; however, the Approved Project included an Update to the ALUCP. The Proposed Modified Project's water well site would not expose people to excessive noise levels, because the Proposed Modified Project's water well site is outside of the 55-60 dB CNEL contours.

3.13.5 Impact Discussion

Impact a: Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies (Final EIR Impacts 3.12-2, 3.12-3, and 3.12-4).

Temporary (Construction)

The Proposed Modified Project includes changes to the water, wastewater, and drainage systems identified in the Final EIR. While the Proposed Modified Project differs from the Approved Project, it does not change the overall construction or function of the CLIBP Specific Plan. Noise levels during construction on the Approved Project site would not change as a result of the Proposed Modified Project.

The Proposed Modified Project does include the construction of a water well on a one-acre site approximately two miles east of the Approved Project site, and the construction of a water pipeline along Bonita Avenue and Fink Road to connect the well to the Approved Project site. Noise ranges are generally similar for all construction phases, the grading phase tends to involve the noisiest equipment. The noisiest equipment types operating at construction sites typically range from 88 decibels (dB) to 91 dB maximum noise level (L_{max}) at a distance of 50 feet from the operation equipment (Stanislaus County, 2018a; Final EIR Table 3.12-12). Construction activities at the new well site would last between 9 and 12 months and would generally consist of site grading, well drilling, construction of the well structure, and gravel and pavement installation. These activities would be located more than 200 feet from the nearest residence and approximately 590 feet from the nearest school building. It is generally accepted that noise levels are reduced by 6 dB for every 50 feet away from the source. Therefore, the nearest residence could potentially experience noise levels of approximately 73 dB during the noisiest construction activities, which would be below the County's Daytime Standard of 75 dB L_{max} for stationary noise sources.

Construction of the Proposed Modified Project's water well and pipeline alignment would be temporary in nature and would cease upon completion of construction. In addition, the County restricts the use of construction equipment to the hours between 7AM and 7PM, Monday through Friday, and does not allow construction on weekends and holidays. The Proposed Modified Project would comply with the CLIBP Specific Plan, General Plan and County Code regarding construction noise and vibration. The Proposed Modified Project would implement Mitigation Measures 3.12-2 and 3.12-4 (refer to **Appendix A** for the MMRP). Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

Permanent (Operation) Non-Transportation Noise

The Proposed Modified Project does include the relocation of a proposed water well to a one-acre site approximately two miles east of the Approved Project site, and the construction of a water pipeline along

Bonita Avenue and Fink Road to connect the well to the Approved Project site. The pipeline, once installed, would not generate noise and therefore has no impact. The water well would include a pump and on-site backup generators. The Proposed Modified Project’s water well site would be more than 200 feet from the nearest residence and approximately 590 feet from the school building. The water well and control equipment would be housed within a masonry block building. The Proposed Modified Project would comply with the CLIBP Specific Plan, General Plan, and County Code. Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

Impact b: Generation of excessive groundbourne vibration or groundbourne noise levels during construction (Final EIR Impact 3.12-1).

Construction operations can generate varying degrees of ground vibration, depending on the construction procedures and equipment. Assuming a maximum construction vibration level of 87 vibration decibels (VdB) at 25 feet with an attenuation rate of 9 VdB per doubling of distance from the source, construction activities located within approximately 40 feet of sensitive receptors could result in vibration levels in excess of FTA’s standard of 80 VdB (Stanislaus County 2018a and 2019b). The Proposed Modified Project includes a water well immediately north of Bonita Elementary School and more than 200 feet from the nearest residence. Representative vibration source levels for construction equipment typically used for water wells is provided below in **Table 3.11-1**.

Table 3.11-1. Typical Construction Activity Vibration

Construction Equipment	PPV at 25 feet (in/sec)	Approximate Lv (VdB at 25 feet)
Large Bulldozer	0.089	87
Caisson Drilling	0.089	87
Trucks	0.076	86
Jackhammer	0.035	79
Small Bulldozer	0.003	58
Source: Final CLIBP Specific Plan EIR (Stanislaus County, 2018a and 2018b)		

Construction of the Proposed Modified Project’s water well and pipeline alignment would be temporary in nature and would cease upon construction completion. In addition, the County restricts the use of construction equipment to the hours between 7AM and 7PM, Monday through Friday, and does not allow construction on weekends and holidays. The Proposed Modified Project would comply with the CLIBP Specific Plan, General Plan and County Code regarding construction noise and vibration. The Proposed Modified Project would implement Mitigation Measures 3.12-1 and 3.12-4 (refer to **Appendix A** for the MMRP). Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

3.14 Utilities and Service Systems

3.14.1 Regulatory Setting

The regulatory setting remains similar to the regulatory setting identified within the Final EIR; however, one new plan has been adopted by the County. New regulations or changes to existing regulations would not result in new or increased impacts related to utilities and service systems.

As discussed in Sections 3.6 and 3.9, above, on December 10, 2019, the Board approved and adopted the GSPs for the Northern and Central Delta-Mendota Regions Groundwater Subbasin (Stanislaus County, 2020). As stated in the Final EIR, the GSP contains sustainable management criteria which include measurable objectives and minimum thresholds for land subsidence for each management area. The relevant plan areas for the Proposed Modified Project, as defined in the GSP, include: WSID-PID MA and Remaining Plan Area. Within the WSID-PID MA, the minimum threshold is the acceptable loss of distribution capacity as a result of subsidence resulting from groundwater pumping as based on a future capacity study, where the measurable objective is no loss in distribution capacity as a result of subsidence related to groundwater pumping (numeric values to be established during the first GSP update). Within the Remaining Plan Area, the minimum threshold is the target rate/goal by monitoring subregion based on the average 2014-2016 elevation change from recent Delta-Mendota Canal surveys, where the measurable objective is the target rate/goal by monitoring subregion based on the average 2016-2018 elevation change from recent Delta-Mendota Canal surveys. The GSP also includes monitoring and reporting schedules and standards, which vary by sustainability indicator and management area. For the WSID-PID MMA, land subsidence would be measured twice during the first five years of GSP implementation, following a baseline elevation from 2019. For the Remaining Plan Area, elevations surveys would take place every other year during even years. The GSP dictates when investigation and intervention is required (San Luis and Delta-Mendota Water Authority, 2019).

3.14.2 Existing Conditions

The Proposed Modified Project site is similar to the setting evaluated in the Final EIR. As identified in the Final EIR, utilities and service systems would be provided to the Approved Project site by Stanislaus County, City of Patterson (wastewater treatment), Turlock Irrigation District (TID) (electricity), Pacific Gas and Electric Company (PG&E) (natural gas), AT&T or Global Valley Networks (telecommunications), and Comcast (cable and internet).

Water

The Final EIR identified groundwater as the water supply source for the Approved Project, and identifies three existing wells, two that draw groundwater from the shallow aquifer that overlies the Corcoran Clay and one that is assumed to draw water from the confined aquifer below the Corcoran Clay. The Final EIR identifies the groundwater basin, the Delta-Mendota subbasin, as being in a condition of critical overdraft. The depth of groundwater for municipal and irrigation wells ranges from 50 to 800 feet below ground surface (bgs) with an upper and shallow water bearing zone and a deeper water bearing zone. Final EIR Section 3.10, Hydrology and Water Quality, and Addendum Section 3.10, Hydrology and Water Quality, provide details related to the Delta-Mendota groundwater basin hydrology and water quality.

Wastewater (Sewer)

The Approved Project is not currently served by a municipal wastewater collection and treatment system. As identified in the Final EIR, infrastructure associated with the former wastewater system is located north of the former Runway 16-34 of the Approved Project site, with remnants of the system including approximately 5,400 feet of sewage piping, a processing tank, a sludge drying bed, and three settling ponds, which were connected to former Building 109. As described in the Final EIR, the nearest municipal wastewater conveyance infrastructure is owned by the Western Hills Water District (WHWD), which operates 22 miles of sewer pipeline covering approximately 5,070 acres and serves Diablo Grande's existing golf course, a winery, a clubhouse/restaurant, and residences. As described in the Final EIR, wastewater flows from the WHWD are discharged into the Patterson Trunk Sewer, which conveys sewer flows to the City of Patterson Water Quality Control Facility (WQCF) for treatment.

Stormwater Drainage Systems

There is minimal existing stormwater drainage infrastructure within and adjacent to the Proposed Modified Project. As identified in the Final EIR, Little Salado Creek terminates in the northeastern corner of the Approved Project site, where the water is discharged through a culvert under SR 33 into a single 24-inch-diameter drainpipe. Water flows east in the drainage pipe along Marshall Road for approximately 4.3 miles to its final discharge point at the San Joaquin River. In addition, off-site drainage flows are conveyed under the Delta-Mendota Canal by two 5-foot-square box culverts that have a combined capacity of 700 cubic feet per second (cfs). This crossing is the only direct drainage connection to the Approved Project site from watershed areas west of the Delta-Mendota Canal.

3.14.3 Standards of Significance

The standards of significance remain similar to those identified within the Final EIR. The CEQA Statute and Guidelines, including CEQA Guidelines Appendix G (CEQA Environmental Checklist), were updated in December 2018. This update resulted in combining construction of new or expanded utility facilities and adding electric power, natural gas, and telecommunications facilities to the list of utilities. The changes deleted the exceedance of wastewater treatment requirements by the RWQCB and revised the language regarding solid waste and the generation of solid waste. The following table shows the standards of significance used in the Final EIR and the updated standards of significance used in this Addendum.

Final EIR Standards of Significance		Changes pursuant to CEQA Update	
a	Have sufficient water supplies available to serve the project from existing entitlements and resources, or if new or expanded entitlements were needed	a	Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years
b	It would require or result in the construction of new water facilities or expansion of existing facilities, the construction of which would cause significant environmental effects	b	Require or result in the construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which would cause significant environmental effects
c	Require or result in the construction of new wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects		
d	Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects		
e	Exceed wastewater treatment requirements of the Central Valley Regional Water Quality Control Board (CVRWQCB)		Deleted
f	Result in a determination by the wastewater treatment provider which serves or may serve the project that it does not have adequate capacity to serve the project's projected demand in addition to the provider's existing commitments	c	No change
g	Be served by landfills with sufficient permitted capacity to accommodate the project's solid waste disposal needs	d	Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals

Final EIR Standards of Significance		Changes pursuant to CEQA Update	
h	Comply with federal, State, and local statutes and regulations related to solid waste	e	Comply with federal, State, and local management and reduction statutes and regulations related to solid waste

3.14.4 Impacts not Discussed Further

The Proposed Modified Project does not result in new or substantially more severe impacts for the following topic; therefore, it is not discussed further:

- Have sufficient water supply during construction – The Proposed Modified Project does not change the overall construction activities identified in the Final EIR. The Proposed Modified Project would not change the types and extent of construction activities, thus, it would not increase water demands. The Proposed Modified Project would continue to implement construction BMPs.
- Require or result in the construction of new or expanded utility facilities during construction – The Proposed Modified Project would not change the construction activities identified in the Final EIR. During construction, the Proposed Modified Project would bring water and port-a-potties to the construction site; the need for these facilities would be temporary in nature. The port-a-potties are operated by private companies that provide cleaning services and are removed from the site upon construction completion.
- Require or result in the construction of new or expanded electric power, natural gas, or telecommunications facilities – The Proposed Modified Project includes changes to the water, wastewater, and drainage systems identified for the Approved Project; however, the Proposed Modified Project does not change the overall construction and operation activities identified in the Final EIR. The demand for electrical, natural gas, or telecommunications services remains unchanged.
- Exceed wastewater treatment capacity to serve the project’s projected demand in addition to the provider’s existing commitments – The Final EIR provided an option for individual OWTS systems at each building location for Phase 1A; however, the Wastewater System Infrastructure Design Study prepared by Dewberry | Drake Haglan (2020) for the Proposed Modified Project determined that a central location for the OWTS allows for the selection of a preferred site with superior soils for dispersal. This wastewater system was identified within the Final EIR and the modifications do not change the operational activities required to implement Phase 1A of the CLIBP Specific Plan.
- Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure – The Proposed Modified Project does not change the overall construction activities identified in the Final EIR, nor does it change the anticipated amount of solid waste. The Proposed Modified Project would comply with California Building Code, General Plan, CLIBP Specific Plan, and the County Code, which includes standards for solid waste generation.
- Comply with federal, State, and local management and reduction statutes and regulations related to solid waste – The Proposed Modified Project does not change the overall operation activities anticipated with the implementation of the CLIBP Specific Plan Phase 1A, nor does it change the anticipated amount of solid waste generated from implementing the CLIBP Specific Plan Phase 1A. The Proposed Modified project would comply with California Building Code, General Plan, CLIBP Specific Plan, and the County Code, which includes standards for solid waste generation.

3.14.5 Impact Discussion

Impact a: Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years (Final EIR Impacts 3.15-1, 3.15-2, 3.15-3).

The Proposed Modified Project includes changes to the water, wastewater, and drainage systems identified in the Final EIR. While the Proposed Modified Project differs from the Approved Project, it does not change the overall construction or function of the CLIBP Specific Plan. A Water Study prepared in 2020 by Wood Rodgers found that the overall water supply demands are projected to be 17 percent lower than what was identified in the Final EIR (Wood Rodgers, 2020b). Specifically, the Water Study found that the maximum day demand for Phase 1A is approximately 198 gallons per minute (gpm). The Water Study concluded that one potable water supply system would be sufficient for the buildout of CLIBP Specific Plan Phase 1A (Wood Rodgers, 2020b), which is different from the Final EIR assumption of two systems (potable and non-potable). In addition, in assessing the underlying groundwater basin for the design phase, it was determined that the water quality of the groundwater generally improved to the east of the Approved Project site at the site of the proposed well. Groundwater underlying the Approved Project site would require treatment prior to use; however, the groundwater at the Proposed Modified Project's water well site is of sufficient quantity and quality for Phase 1A and does not require treatment to meet current State of California Division of Drinking Water standards. As with the Approved Project, the Proposed Modified Project would not rely on water supplies from either the City of Patterson's current water service area or the current Crows Landing CSD.

The Proposed Modified Project would comply with the General Plan, County Code, including the Stanislaus County Groundwater Ordinance, and the GPS for the Northern and Central Delta-Mendota Regions Groundwater Subbasin. The Proposed Modified Project would implement the CLIBP Specific Plan, including the low impact design (LID) features that promote water conservation. Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

Impact b: It would require or result in the construction of new or expanded water, wastewater treatment, or storm water drainage, the construction or relocation of which would cause significant environmental effects (Final EIR Impacts 3.15-2, 3.15-3, 3.15-4, 3.15-5, 3.15-7).

The Proposed Modified Project includes changes to the water, wastewater, and drainage systems identified in the Final EIR. The Proposed Modified Project would relocate the water well for Phase 1A to a one-acre site approximately two miles east of the Approved Project site. The wastewater system would include wastewater pipelines that would flow into one centralized wastewater treatment and dispersal area of approximately 17.2 acres, immediately northeast of the Delta-Mendota Canal, within Phase 1B (refer to **Figure 2-5**). The Proposed Modified Project includes a modified detention/infiltration basin that parallels the Delta-Mendota Canal and would convey on and off-site runoff.

Water Facilities

As explained above, the Water Study concluded that one potable water supply system would be sufficient for the buildout of CLIBP Specific Plan Phase 1A (Wood Rodgers, 2020b), which is different from the Final EIR assumption of two systems (potable and non-potable). Due to the change in water demand and the need for only one backbone water infrastructure system, the footprint of the water supply system for the Proposed Modified Project would be reduced within the Approved Project site. Depths required for the water system would remain the same as those assumed in the Final EIR.

In assessing the underlying groundwater basin for the design phase, it was determined that the water quality of the groundwater generally improved to the east of the Approved Project site at the site of the proposed well. Groundwater underlying the Approved Project site would require treatment prior to use; however, the groundwater at the Proposed Modified Project's water well site is of sufficient quantity and quality for Phase 1A and does not require treatment to meet current State of California Division of Drinking Water standards. As with the Approved Project, the Proposed Modified Project would not rely on water supplies from either the City of Patterson's current water service area or the current Crows Landing CSD.

The physical effects of the Proposed Modified Project water infrastructure on the environment have been considered throughout this Addendum in the other resource analysis sections (refer to Sections 3.1 through 3.11). The Proposed Modified Project would comply with the CLIBP Specific Plan, General Plan, County Code, including the Stanislaus County Groundwater Ordinance, and the GPS for the Northern and Central Delta-Mendota Regions Groundwater Subbasin. The Proposed Modified Project would implement CLIBP Specific Plan design standards and LID features. Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

Wastewater Facilities

The Final EIR provided an option for individual OWTS systems at each building location for Phase 1A; however, the Wastewater System Infrastructure Design Study prepared by Dewberry | Drake Haglan (2020) for the Proposed Modified Project determined that a central location for the OWTS allows for the selection of a preferred site with superior soils for dispersal. This central location would have the potential to streamline permitting with regulatory agencies. Thus, the wastewater system would include wastewater pipelines that would flow into one centralized wastewater treatment and dispersal area of approximately 17.2 acres, immediately northeast of the Delta-Mendota Canal, within Phase 1B (refer to **Figure 2-5**). This wastewater system was identified within the Final EIR and the modifications do not change the operational activities required to implement Phase 1A of the CLIBP Specific Plan. The depth of the dispersal system is dependent on the groundwater levels and would maintain a minimum of 5 feet between the bottom of the dispersal system and the groundwater level.

The physical effects of the Proposed Modified Project wastewater infrastructure on the environment have been considered throughout this Addendum in the other resource analysis sections (refer to Sections 3.1 through 3.11). The Proposed Modified Project would comply with California Building Code, County General Plan, CLIBP Specific Plan, and the County Code, which includes standards for effectively treating wastewater to secondary standards. The Proposed Modified Project would continue to implement Mitigation Measure 3.15-5 (refer to **Appendix A** for the MMRP). Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

Stormwater Drainage Facilities

During the preparation of the CLIBP Drainage Study (Wood Rodgers, 2020), it was determined that the modifications to the detention/infiltration basin layout (refer to **Figure 2-6**) would adequately address stormwater runoff and drainage for Phase 1A. Therefore, the Proposed Modified Project would no longer require Davis Road to be raised and the detention/infiltration basin layout for Phase 1A would be modified to parallel the Delta-Mendota Canal within the Approved Project site (Wood Rodgers, 2020c). The detention/infiltration basin would be approximately 20 feet in depth, which is approximately 5 feet deeper than what was identified in the Final EIR. The detention/infiltration basin would total 20 acres. While the revised drainage infrastructure would have a different footprint than what was analyzed in the

Final EIR, the Proposed Modified Project's drainage system would continue to be within the boundaries of the Approved Project site. The Proposed Modified Project would safely allow for 100 percent infiltration of local runoff under most conditions (Wood Rodgers, 2020c). The detention/infiltration basin would promote on-site stormwater retention and recharge with an infiltration rate of 1.7 feet per day (Wood Rodgers, 2020c). Therefore, no net increase in off-site drainage would occur and no increase in erosion or siltation would result from the Proposed Modified Project.

The physical effects of the Proposed Modified Project stormwater drainage infrastructure have been considered throughout this Addendum in the other resource analysis sections (refer to Sections 3.1 through 3.11). The Proposed Modified Project would be consistent with the CLIBP Specific Plan and General Plan and would be built in compliance with all applicable County standards, including LID requirements. Therefore, no new or substantially more severe impacts would occur due to the Proposed Modified Project.

4 CONCLUSION

Based on the Final EIR and the analysis in this Addendum, the Proposed Modified Project would not result in any of the conditions described in Sections 15162 or 15163 of the CEQA Guidelines calling for preparation of a subsequent or supplemental EIR. In summary, the Proposed Modified Project would:

- not result in any new significant environmental effects,
- not substantially increase the severity of previously identified significant effects,
- not result in mitigation measures or alternatives previously found to be infeasible becoming feasible, and
- not result in availability/implementation of mitigation measures or alternatives which are considerably different from those analyzed in the previous document that would substantially reduce one or more significant effects on the environment.

These conclusions confirm that a subsequent or supplemental EIR is not required, and this Addendum to the Final EIR is the appropriate pursuant to CEQA Guidelines Section 15164 to evaluate the Proposed Modified Project.

5 LIST OF PREPARERS AND REVIEWERS

This Addendum to the Crows Landing Industrial Business Park Specific Plan Final Environmental Impact Report was prepared by the following agency representatives and consultants.

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Appendix A

Mitigation Monitoring and Reporting Plan

Adopted by the Board of Supervisors

October 30, 2020

(Appendix L of the Final EIR for the CLIBP Specific Plan)

APPENDIX L

As Adopted by the Board of Supervisors
on October 30, 2018

MITIGATION MONITORING AND REPORTING PROGRAM

CALIFORNIA ENVIRONMENTAL QUALITY ACT REQUIREMENT

Where a California Environmental Quality Act (CEQA) document has identified significant environmental effects, Public Resources Code Section 21081.6 requires adoption of a “reporting or monitoring program for the changes to the project which it has adopted or made a condition of a project approval to mitigate or avoid significant effects on the environment.”

This Environmental Mitigation Monitoring and Reporting Program (MMRP) has been prepared to provide for the monitoring of mitigation measures required of the Crows Landing Industrial Business Park Specific Plan (proposed project or “CLIBP”), as set forth in the Final Environmental Impact Report (EIR). The County of Stanislaus is the Lead Agency that must adopt the MMRP for development and operation of the project.

The CEQA Statutes and Guidelines provide direction for clarifying and managing the complex relationships between a lead agency and other agencies with implementing and monitoring mitigation measures. In accordance with CEQA Guidelines Section 15097(d), “each agency has the discretion to choose its own approach to monitoring or reporting; and each agency has its own special expertise.” This discretion will be exercised by implementing agencies at the time they undertake any of portion of the project, as identified in the EIR.

PURPOSE OF MITIGATION MONITORING AND REPORTING PROGRAM

The intent of the MMRP is to ensure the effective implementation and enforcement of adopted mitigation measures. The MMRP is intended to be used by County staff and others responsible for project implementation.

This document identifies the individual mitigation measures, the party responsible for monitoring implementation of the measure, the timing of implementation, and space to confirm implementation of the mitigation measures.

ROLES AND RESPONSIBILITIES

Stanislaus County will oversee monitoring and documenting the implementation of mitigation measures. The County or its construction contractor is responsible for fully understanding and effectively implementing all of the mitigation measures contained within this MMRP. Certain mitigation measures also will require that future project applicants coordinate or consult with one or more other public agencies in implementing mitigation measures specified herein.

CHANGES TO MITIGATION MEASURES

Any substantive change in the MMRP is required to be reported in writing. Modifications to the mitigation measures may be made by Stanislaus County, subject to one of the following findings, and documented by evidence included in the public record:

- ▶ The mitigation measure included in the Final EIR and the MMRP is no longer required because the significant environmental impact identified in the Final EIR has been found not to exist, or to occur at a level which makes the impact less than significant as a result of changes in the project, changes in environment conditions, or other factors.

OR,

- ▶ The modified or substitute mitigation measure provides a level of environmental protection equal to, or greater than that afforded by the mitigation measure included in the Final EIR and the MMRP; and,
- ▶ The modified or substitute mitigation measure or measures do not have significant adverse effects on the environment in addition to, or greater than those which were considered by the responsible hearing parties in their decisions on the Final EIR and the proposed project; and,
- ▶ The modified or substitute mitigation measures are feasible, and the County, through measures included in the MMRP or other County procedures, can ensure implementation.

SUPPORT DOCUMENTATION

Findings and related documentation supporting the findings involving modifications to mitigation measures shall be maintained in the project file with this MMRP and shall be made available to the public upon request.

This MMRP will be kept on file at:

Stanislaus County Planning and Community Development Department
1010 10th Street, Suite 3400
Modesto, CA 95354

Impact	Mitigation Measure	Implementation	Timing	Enforcement
3.2 Air Quality				
3.2-1 Generation of short-term construction and long-term operational emissions.	<p>Construction Emissions</p> <p>3.2-1a: Comply with Current ISR.</p> <p>As applicable, based on the project size thresholds specified in Rule 9510 (Indirect Source Review), projects within the Specific Plan Area shall comply with SJVAPCD's Rule 9510 Indirect Source Review (ISR) and reduce criteria air pollutant emissions consistent with SJVAPCD performance standards through feasible on-site strategies and, if necessary, feasible payment of off-site mitigation fees to SJVAPCD through a voluntary emission reduction agreement (VERA) or other appropriate mechanism.</p>	Leaseholders / developers / contractors.	Demonstrate compliance prior to issuance of building permit.	SJVAPCD.
	<p>Operational Emissions</p> <p>3.2-1b: Use Current Phase Equipment for All Construction Equipment.</p> <p>Site developers/leaseholders/project applicants who wish to develop facilities in the Specific Plan Area shall provide for County review and approval a proposed inventory of equipment for development within the Specific Plan Area that demonstrates use of current phase construction equipment (currently Tier 4).</p>	Leaseholders / developers / contractors.	Demonstrate compliance prior to issuance of building permit.	Stanislaus County.
	<p>3.2-1c: Reduce the Single Occupant Vehicle Commute.</p> <p>Policy Six of the Stanislaus County General Plan reads "The County shall strive to reduce motor vehicle emissions and vehicle trips by encouraging the use of alternatives to the single occupant vehicle." The project shall implement Policy Six through the incorporation of the following strategies or alternative strategies determined to be equally or more effective in reducing the rate of single-occupant vehicle commutes to the project site at buildout:</p> <ul style="list-style-type: none"> ▶ Prior to the occupancy of the first building within the Crows Landing Industrial Business Park, a TDM or 	Leaseholders / developers / contractors and Stanislaus County.	<p>Upon operation of employment-generating uses for on-demand transit.</p> <p>Upon completion of Phase 2 for fixed transit service.</p>	Stanislaus County.

Impact	Mitigation Measure	Implementation	Timing	Enforcement
	<p>similar program shall be established or an existing program, such as the Commute Connection program, shall be designated to represent the project. The program will provide a comprehensive strategy to reduce solo occupant vehicle travel by employees, business vehicles including trucks, and visitors. The program shall identify TDM goals for CLIBP, including goals to reduce daily travel and travel during morning and afternoon peak-demand periods. The overall operational air pollutant emissions mitigation performance standard is established by the San Joaquin Valley Air Pollution Control District through Rule 9510, the Indirect Source Rule, requiring applicable projects to achieve a minimum reduction of 33.3 percent of operational baseline NO_x emissions over a period of 10 years and a minimum reduction of 50 percent of operational PM₁₀ emissions over a period of 10 years. TDM goals for CLIBP shall be established, monitored, and adjusted, if necessary, to contribute to this overall operational air pollutant emissions mitigation performance standard.</p> <ul style="list-style-type: none"> ▶ The CLIBP TDM program shall require mandatory annual employee surveys with a response rate of at least 90 percent. The surveys will include, as a minimum, mode and time of travel by employees. The CLIBP TDM program shall prepare an annual report indicating status of compliance with the TDM goals established by the County. ▶ The individual companies and the CLIBP TDM program shall consider the following items or other measures to reduce travel demand and achieve TDM goals: <ul style="list-style-type: none"> • Encourage employers to use flex-time • Carpool matching programs • Preferred parking for carpoolers • Van pool programs • On-site facilities such as break rooms and shower facilities • Establishment of employer sponsored shuttles from Turlock and Modesto • On-site secure bicycle racks 			

Impact	Mitigation Measure	Implementation	Timing	Enforcement
	<ul style="list-style-type: none"> • Bike share programs for employee usage at lunchtime • Other measures <ul style="list-style-type: none"> ▶ All employers operating within the Specific Plan Area shall participate in the TDM or Commute Connection program or future program providing the same services to allow employees to conveniently identify non-single occupancy vehicle methods to reach the proposed project site. Employers should not be considered as separate entities, but rather the entire site shall be considered collectively as a participating entity. The requirement to participate in the Commute Connection program shall be included in leases for Specific Plan developments. A person(s) shall be assigned to represent CLIBP on an ongoing basis to coordinate with individual businesses. ▶ New development projects that anticipate 100 or more full-time equivalent employees shall coordinate participation in the Commute Connection program or similar future program to reduce employee commute trips and to promote transportation other than the single passenger motor vehicle, including, but not limited to carpools, vanpools, buspools, public transit, and bicycling. The employee commute trip reduction program should include incentives, services, and policies. This program shall include preferential parking in relatively more convenient locations for electric vehicles, carpools, vanpools and other vehicles carrying commuter passengers on a regular basis. ▶ The County shall identify and accommodate at least one transit stop or commuter shuttle to serve the project site that would provide feasible commuter service for project employees. 			
	<p>Mitigation Measure 3.2-1d: Provide Transit to the Workplace.</p> <ul style="list-style-type: none"> ▶ The County shall ensure that the placement and design of transit stops can accommodate public transit for employees and patrons. The County shall identify locations to expand services, including park and ride lots, to enable and encourage the use of transit to the workplace within the Crows Landing Specific Plan Area. 	Stanislaus County.	<p>Upon operation of employment-generating uses for on-demand transit.</p> <p>Upon completion of Phase 2 for fixed transit service.</p>	Stanislaus County.

Impact	Mitigation Measure	Implementation	Timing	Enforcement
	<p>The placement and design of transit stops within the Specific Plan Area shall be approved by the Stanislaus County Public Works Department based on generally accepted transit planning principles.</p> <ul style="list-style-type: none"> ▶ The County shall ensure on-demand transit service to the Specific Plan Area once employment generating uses are established within the Specific Plan Area and fixed transit service upon completion of Phase 2. ▶ The overall operational air pollutant emissions mitigation performance standard is established by the San Joaquin Valley Air Pollution Control District through Rule 9510, the Indirect Source Rule, requiring applicable projects to achieve a minimum reduction of 33.3 percent of operational baseline NOX emissions over a period of 10 years and a minimum reduction of 50 percent of operational PM10 emissions over a period of 10 years. Transit to the Specific Plan Area shall be established, monitored, and adjusted, if necessary, to contribute to this overall operational air pollutant emissions mitigation performance standard. 			
<p>3.2-3 Exposure of sensitive receptors to emissions of toxic air contaminants.</p>	<p>Operational Emissions</p> <p>3.2-3b: Assess TAC Emissions and Health Risks Associated with Operations.</p> <p>Projects proposed within 1,000 feet of an existing daycare or an off-site residence shall be required to analyze and report on potential health risk impacts of PM2.5 and TAC concentrations from long-term operations in accordance with SJVAPCD-recommended methods prior to the issuance of a building permit for new construction, tenant improvement, or change of use. Factors that would affect the need for health risk analysis include, but are not limited to the proposed land use; types, intensity, and frequency of TAC emissions generated by operational activities; and other project parameters, such as heavy-duty truck traffic, number of loading docks, and manufacturing throughput. If health risk impacts are determined to exceed SJVAPCD thresholds of significance under any potential operational</p>	<p>Leaseholders / developers / contractors.</p>	<p>Prior to issuance of building permit, tenant improvement, or change in use.</p>	<p>Stanislaus County.</p>

Impact	Mitigation Measure	Implementation	Timing	Enforcement
	<p>exposure scenario, projects shall implement Mitigation Measure 3.2-3c. The requirement to conduct health risk analysis may be waived if determined by the County's Planning Director that the proposed use has already been assessed and shown to have no health risk impacts necessitating a project-specific health risk analysis or if the SJVAPCD determines that there is no further need for health risk analysis.</p>			
	<p>3.2-3c: Reduce Exposure to Substantial Pollutant Concentrations from Operations.</p> <p>If it is determined that a proposed use could potentially generate health risk impacts that exceed SJVAPCD thresholds of significance, the proposed project shall identify and implement strategies to reduce impacts below applicable SJVAPCD thresholds of significance.</p> <p>A range of potential strategies is available to avoid exposure to substantial pollutant concentrations for sensitive receptors (daycare) and to avoid significant impacts. However, new technologies or methods for avoiding exposure to pollutant concentrations may emerge or become feasible in the future, and those technologies and methods would be implemented in addition to or instead of those identified in the EIR to reduce any potential health risk impacts below applicable SJVAPCD thresholds of significance.</p> <p>Strategies could include, but are not limited to placement of on-site daycare uses at a sufficient distance to avoid impacts associated with potential sources of TAC emissions, such as manufacturing facilities, loading docks, and distribution centers. Building space to be used for daycare could incorporate High Efficiency Particle Arresting (HEPA) filter systems at mechanical air intake points to the building to reduce the levels of PM that enter buildings and/or orient air intake away from areas generating emissions. Uses that generate TAC emissions could also use orientation away from sensitive receptors or controls on emissions concentrations. Commercial and industrial land uses that would host diesel trucks could incorporate technologies such as IdleAire, electrification of truck parking, and/or</p>	<p>Leaseholders / developers / contractors.</p>	<p>Identify strategies to reduce pollutant concentrations prior to issuance of building permit, tenant improvement, or change in use and implement strategies during operations.</p>	<p>Stanislaus County.</p>

Impact	Mitigation Measure	Implementation	Timing	Enforcement
	alternative energy sources for TRUs to allow diesel engines to reduce or avoid idling.			
3.4 Biological Resources				
3.4-1 Loss of special-status plants	<p>3.4-1: Conduct Special-status Plant Surveys; Implement Compensatory Mitigation for Special-status Plants.</p> <p>The following measures shall be implemented:</p> <ul style="list-style-type: none"> ▶ Retain a qualified botanist to conduct protocol-level preconstruction special-status plant surveys for potentially occurring species for each phase of construction. All plant species encountered on the project site shall be identified to the taxonomic level necessary to determine species status. The surveys shall be conducted no more than 5 years prior and no later than the blooming period immediately preceding the approval of a grading or improvement plan or any ground disturbing activities, including grubbing or clearing. ▶ Notify CDFW, as required by the California Native Plant Protection Act, if any special-status plants are found on the project site. Notify the USFWS if any plant species listed under the Endangered Species Act are found. ▶ Develop a mitigation and monitoring plan to compensate for the loss of any special-status plant species found during preconstruction surveys. The mitigation and monitoring plan shall be submitted to CDFW or USFWS, as appropriate depending on species status, for review and approval. The County shall consult with these entities, as appropriate depending on species status, before approval of the plan to determine the appropriate mitigation measures for impacts on any special-status plant population. On-site mitigation measures may include the creation of off-site populations on project mitigation sites through seed collection or transplantation, and/or restoring or creating occupied habitat in sufficient quantities to achieve no net loss of occupied habitat or individuals. Mitigation could also include purchase of an existing off-site area in Stanislaus County that is known to support the special-status species to be affected, as well as preserving the site in perpetuity. The preservation and 	Leaseholders / developers / contractors.	Before any ground disturbing activities, including grubbing or clearing.	Stanislaus County, USFWS, and CDFW, as appropriate, depending on species status.

Impact	Mitigation Measure	Implementation	Timing	Enforcement
	<p>enhancing of existing on-site populations shall not be considered as mitigation.</p> <ul style="list-style-type: none"> ▶ If transplantation is a proven method for a species (i.e., information exists demonstrating that the affected species has been successfully transplanted or established from seed using a methodology that can be repeated) and relocation efforts are part of the mitigation plan approved by the County and CDFW or USFWS, as appropriate depending on species status,, the plan shall include a description and map of mitigation sites, details on the methods to be used, including collection, storage, propagation, receptor site preparation, installation, long-term protection and management, monitoring and reporting requirements, remedial action responsibilities should the initial effort fail to meet long-term monitoring requirements, and sources of funding to purchase, manage, and preserve the sites. The following performance standards shall be applied: <ul style="list-style-type: none"> • The extent of occupied area and the flower density in compensatory reestablished populations shall be equal to or greater than the affected occupied habitat and shall be self-producing. • Reestablished populations shall be considered self-producing when: <ul style="list-style-type: none"> • plants re-establish annually for a minimum of 5 years with no human intervention, such as supplemental seeding; and • re-established habitats contain an occupied area and flower density comparable to existing occupied habitat areas in similar habitat types. ▶ If off-site mitigation includes dedication of conservation easements, purchase of mitigation credits, or other off-site conservation measures, the details of these measures shall be included in the mitigation plan, including information on responsible parties for long-term management, conservation easement holders, long-term management requirements, and other details, as appropriate to target the preservation of long term viable populations. 			

Impact	Mitigation Measure	Implementation	Timing	Enforcement
<p>3.4-2 Special-status raptors and other nesting raptors.</p>	<p>3.4-2a: Avoid Direct Loss of Swainson’s Hawk and Other Raptors</p> <p>The following measures shall be implemented:</p> <ul style="list-style-type: none"> ▶ Tree and vegetation removal shall be completed during the nonbreeding season for raptors (September 1– February 28). ▶ To avoid, minimize, and mitigate potential impacts on Swainson’s hawk and other raptors (not including burrowing owl) nesting on or adjacent to the project site and off-site improvement areas, retain a qualified biologist to conduct preconstruction surveys and identify active nests on and within 0.5 mile of the project site and off-site improvement areas for construction activities conducted during the breeding season (March 1–August 31). The surveys shall be conducted before the approval of grading and/or improvement plans (as applicable) and no less than 14 days and no more than 30 days before the beginning of construction. Guidelines provided in <i>Recommended Timing and Methodology for Swainson’s Hawk Nesting Surveys in the Central Valley</i> (Swainson’s Hawk Technical Advisory Committee 2000) or updated, current guidance shall be followed for surveys for Swainson’s hawk. If no nests are found, no further mitigation will be required. ▶ Impacts on nesting Swainson’s hawks and other raptors shall be avoided by establishing appropriate buffers around active nest sites identified during preconstruction raptor surveys. No project activity shall commence within the buffer areas until a qualified biologist has determined, in coordination with CDFW, the young have fledged, the nest is no longer active, or reducing the buffer would not result in nest abandonment. CDFW guidelines recommend implementation of 0.25- or 0.5-mile-wide buffers for Swainson’s hawk nests, but the size of the buffer may be decreased if a qualified biologist and the County, in consultation with CDFW, determine that such an adjustment would not be likely to adversely affect the nest. 	<p>Leaseholders / developers / contractors.</p>	<p>Before any vegetation removal, grading, and on an ongoing basis throughout construction, as applicable.</p>	<p>Stanislaus County and CDFW.</p>

Impact	Mitigation Measure	Implementation	Timing	Enforcement
	<ul style="list-style-type: none"> ▶ The appropriate no-disturbance buffer for other raptor nests (<i>i.e.</i>, species other than Swainson’s hawk) shall be determined by a qualified biologist based on site-specific conditions, the species of nesting bird, nature of the project activity, visibility of the disturbance from the nest site, and other relevant circumstances. ▶ Monitoring of all active raptor nests by a qualified biologist during construction activities will be required if the activity has potential to adversely affect the nest. If construction activities cause the nesting bird to vocalize, make defensive flights at intruders, get up from a brooding position, or fly off the nest, then the no-disturbance buffer shall be increased until the agitated behavior ceases. The exclusionary buffer will remain in place until the chicks have fledged or as otherwise determined appropriate by a qualified biologist. 			
	<p>3.4-2b: Avoid Loss of Burrowing Owl</p> <p>The following measures shall be implemented:</p> <ul style="list-style-type: none"> ▶ To avoid, minimize, and mitigate potential impacts on burrowing owl, a qualified biologist shall be retained to conduct focused breeding and nonbreeding season surveys for burrowing owls in areas of suitable habitat on and within 1,500 feet of the project site and off-site improvement areas. Surveys will be conducted prior to the start of construction activities for each project phase and in accordance with Appendix D of CDFW’s Staff Report on Burrowing Owl Mitigation (2012) or updated, current guidance. ▶ If no occupied burrows are found, a letter report documenting the survey methods and results will be submitted to the County and CDFW and no further mitigation will be required. ▶ If an active burrow is found during the nonbreeding season (September 1 through January 31), owls will be relocated outside of the Specific Plan Area using passive or active methodologies developed in consultation with CDFW and may include active relocation to preserve areas if approved by CDFW and the preserve managers. 	Leaseholders / developers / contractors.	Before any vegetation removal, grading, and on an ongoing basis throughout construction, as applicable.	Stanislaus County and CDFW.

Impact	Mitigation Measure	Implementation	Timing	Enforcement
	<p>No burrowing owls will be excluded from occupied burrows until a burrowing owl exclusion and relocation plan is developed by the project applicant and approved by CDFW.</p> <ul style="list-style-type: none"> ▶ If an active burrow is found during the breeding season (February 1 through August 31), occupied burrows will not be disturbed and will be provided with a 150- to 1,500-foot protective buffer unless a qualified biologist verifies through noninvasive means that either: (1) the birds have not begun egg laying, or (2) juveniles from the occupied burrows are foraging independently and are capable of independent survival. The size of the buffer will depend on the time of year and level of disturbance, as outlined in the CDFW Staff Report (2012, pg. 9). Once the fledglings are capable of independent survival, the owls will be relocated outside the Airport Influence Area in accordance with a burrowing owl exclusion and relocation plan developed in consultation with CDFW and the burrow will be destroyed to prevent owls from reoccupying it. No burrowing owls will be excluded from occupied burrows until a burrowing owl exclusion and relocation plan is approved by CDFW. Following owl exclusion and burrow demolition, the site shall be monitored by a qualified biologist to ensure burrowing owls do not recolonize the site prior to construction. ▶ If active burrowing owl nests are found on the project site or off-site improvement areas and these nest sites are lost as a result of implementing the project, the loss shall be mitigated through preservation of other known nest sites in Stanislaus County, at a minimum ratio of 1:1. A mitigation and monitoring plan shall be developed for the compensatory mitigation areas. ▶ The mitigation and monitoring plan will include detailed information on the habitats present within the preservation areas, the long-term management and monitoring of these habitats, legal protection for the preservation areas (<i>e.g.</i>, conservation easement, declaration of restrictions), and funding mechanism information (<i>e.g.</i>, endowment). All burrowing owl mitigation lands shall be preserved in perpetuity and 			

Impact	Mitigation Measure	Implementation	Timing	Enforcement
	<p>incompatible land uses shall be prohibited in habitat conservation areas.</p> <ul style="list-style-type: none"> ▶ Burrowing owl mitigation land shall be transferred through either conservation easement or fee title, to a third-party, nonprofit conservation organization (Conservation Operator), with the CDFW named as third-party beneficiaries. The Conservation Operator shall be a qualified conservation easement land manager that manages land as its primary function. Additionally, the Conservation Operator shall be a tax-exempt nonprofit conservation organization that meets the criteria of Civil Code Section 815.3(a). CDFW and the Conservation Operator shall each have the power to enforce the terms of the conservation easement. The Conservation Operator shall monitor the easement in perpetuity to ensure compliance with the terms of the easement. 			
	<p>3.4-2c: Prepare and Implement a Swainson’s Hawk Foraging Habitat Mitigation Plan</p> <p>The following measures shall be implemented:</p> <ul style="list-style-type: none"> ▶ Before any ground-disturbing activities, suitable Swainson’s hawk foraging habitat shall be preserved to ensure replacement of foraging habitat lost as a result of the project, as determined by a qualified biologist, in consultation with CDFW. ▶ The habitat value shall be based on Swainson’s hawk nesting distribution and an assessment of habitat quality, availability, and use within the County. The mitigation ratio shall be consistent with the 1994 DFG Swainson’s Hawk Guidelines included in the <i>Staff Report Regarding Mitigation for Impacts to Swainson’s Hawks (Buteo swainsoni) in the Central Valley of California</i>. These guidelines specify that the mitigation ratio shall be 1:1 if there is an active nest within 1 mile of the project site, 0.75:1 if there is an active nest within 5 miles but greater than 1 mile away, and 0.5:1 if there is an active nest within 10 miles but greater than 5 miles away. If there is an active nest within 1 mile of the project site, the mitigation ratio can be reduced to 0.5:1 if all of the 	Leaseholders / developers / contractors.	Before any vegetation removal, grading, and on an ongoing basis throughout construction, as applicable.	Stanislaus County and CDFW.

Impact	Mitigation Measure	Implementation	Timing	Enforcement
	<p>mitigation land can be actively managed for prey production. Such mitigation shall be accomplished through either the transfer of fee title or perpetual conservation easement. The mitigation land shall be located within the known foraging area within Stanislaus County.</p> <ul style="list-style-type: none"> ▶ Before acceptance of such proposed mitigation, the County shall consult with CDFW regarding the appropriateness of the mitigation. If mitigation is accomplished through a conservation easement, then such an easement shall ensure the continued management of the land to maintain Swainson’s hawk foraging values, including but not limited to, ongoing agricultural uses and the maintenance of all existing water rights associated with the land. The conservation easement shall be recordable and shall prohibit any activity that substantially impairs or diminishes the land’s capacity as suitable Swainson’s hawk foraging habitat. The conservation easement should not be located within 5 miles of the proposed on-site airport. ▶ Swainson’s hawk mitigation land shall be transferred, through either conservation easement or fee title, to a third-party, nonprofit conservation organization (Conservation Operator), with the CDFW named as third-party beneficiaries. The Conservation Operator shall be a qualified conservation easement land manager that manages land as its primary function. Additionally, the Conservation Operator shall be a tax-exempt nonprofit conservation organization that meets the criteria of Civil Code Section 815.3(a). CDFW and the Conservation Operator shall approve the content and form of the conservation easement. CDFW and the Conservation Operator shall each have the power to enforce the terms of the conservation easement. The Conservation Operator shall monitor the easement in perpetuity to assure compliance with the terms of the easement. 			

Impact	Mitigation Measure	Implementation	Timing	Enforcement
<p>3.4-3 Disturbance of tricolored blackbird, loggerhead shrike, and common nesting birds.</p>	<p>3.4-3: Avoid Direct Loss of Tricolored Blackbird and Loggerhead Shrike and Protected Bird Nests</p> <p>The following measures shall be implemented:</p> <ul style="list-style-type: none"> ▶ To the extent feasible, vegetation removal, grading, and other ground disturbing activities will be carried out during the nonbreeding season for protected bird species in this region (generally September 1–January 31). ▶ For any project activity that would occur during the nesting season (February 1–August 31), the project applicant shall conduct a preconstruction survey. The preconstruction survey shall be conducted by a qualified biologist before any activity occurring within 300 feet of suitable nesting habitat for any protected bird species. The survey shall be conducted within 14 days before project activity begins. ▶ If an active nest of loggerhead shrike, tricolored blackbird, or common bird species protected by the Migratory Bird Treaty Act or California Fish and Game Code is found, the qualified biologist shall establish a buffer around the nest. No construction activity shall commence within the buffer area until a qualified biologist confirms that the nest is no longer active. The appropriate no-disturbance buffer shall be based on site-specific conditions, the species of bird, nature of the project activity, the extent of existing disturbance in the area, and other relevant circumstances, as determined by a qualified biologist in consultation with CDFW. ▶ Monitoring of all protected nests by a qualified biologist during construction activities will be required if the activity has potential to adversely affect the nest. If construction activities cause the nesting bird to vocalize, make defensive flights at intruders, get up from a brooding position, or fly off the nest, then the no-disturbance buffer shall be increased until the agitated behavior ceases. The exclusionary buffer will remain in place until the chicks have fledged or as otherwise determined by a qualified biologist. 	<p>Leaseholders / developers / contractors.</p>	<p>Before approval of any ground-disturbing activity within 300 feet of suitable nesting habitat, as applicable.</p>	<p>Stanislaus County and CDFW.</p>

Impact	Mitigation Measure	Implementation	Timing	Enforcement
3.4-4 Pallid bat.	<p>3.4-4: Avoid, Minimize, and Mitigate Loss of Bat Roosts.</p> <p>The following measures shall be implemented:</p> <ul style="list-style-type: none"> ▶ Before rehabilitation of the former air traffic control tower, or any work on the East Las Palmas Avenue bridge over the San Joaquin River, the County shall have a qualified biologist conduct focused surveys for roosting bats in said structure. Surveys shall be conducted in the fall to determine if structures are used as hibernacula and in spring and/or summer to determine if they are used as maternity or day roosts. Surveys shall consist of evening emergence surveys to note the presence or absence of bats and could consist of visual surveys at the time of emergence. If evidence of bat use is observed, the number and species of bats using the roost shall be determined. Bat detectors may be used to supplement survey efforts, but are not required. If no bat roosts are found, then no further study is required. ▶ If bat roosts are determined to be present, the bats shall be excluded from the roosting site before the roost structure is removed. If roosts must be removed, a detailed mitigation program addressing compensation, exclusion methods, and roost removal procedures shall be developed, in consultation with CDFW, before implementation. Exclusion methods may include use of one-way doors at roost entrances (bats may leave but not reenter), or sealing roost entrances when the site can be confirmed to contain no bats. Exclusion efforts will be restricted during periods of sensitive activity (<i>e.g.</i>, during hibernation or while females in maternity colonies are nursing young). ▶ Compensatory mitigation for the loss of each roost (if any) shall be developed, in consultation with CDFW, and may include construction and installation of bat boxes suitable to the bat species and colony size excluded from the original roosting site. Roost replacement will be implemented before bats are excluded from the original roost site. Once compensation is implemented and it is confirmed that bats are not present in the roost site, the roost structure may be removed. 	Stanislaus County.	Before rehabilitation of the former air traffic control tower.	Stanislaus County and CDFW.

Impact	Mitigation Measure	Implementation	Timing	Enforcement
<p>3.4-5 Loss of federally protected waters of the United States.</p>	<p>3.4-5: Compensate for Loss of Wetlands and Other Waters.</p> <p>The following measures shall be implemented:</p> <ul style="list-style-type: none"> ▶ The County shall obtain a USACE Section 404 Individual Permit and Central Valley RWQCB Section 401 water quality certification before any groundbreaking activity within 50 feet of waters or discharge of fill or dredge material into any water of the United States. ▶ The County shall replace or restore on a “no-net-loss” basis the function of all wetlands and other waters that would be removed as a result of implementing backbone infrastructure to support project development. Wetland habitat will be restored or replaced at an acreage and location and by methods agreeable to USACE and the Central Valley RWQCB, depending on agency jurisdiction, and as determined during the Section 401 and Section 404 permitting processes. ▶ Based on the presence of an on-site airport, all mitigation that has the potential to attract potentially hazardous wildlife must occur at an off-site location that is 10,000 feet or more from aircraft movement areas. Off-site mitigation methods may consist of the establishment of aquatic resources in upland habitats where they did not exist previously, reestablishment (restoration) of natural historic functions to a former aquatic resource, enhancement of an existing aquatic resource to heighten, intensify, or improve aquatic resource functions, or a combination thereof. The compensatory mitigation may be accomplished through purchase of credits from a USACE-approved mitigation bank, payment into a USACE-approved in-lieu fee fund, or through permittee-responsible off-site establishment, reestablishment, or enhancement, depending on availability of mitigation credits. ▶ Permittee-responsible mitigation shall be monitored for a minimum of 5 years from completion of mitigation, or human intervention (including recontouring and grading), or until the success criteria identified in the approved mitigation plan have been met, whichever is longer. 	<p>Stanislaus County.</p>	<p>Before any ground-disturbing activities for any project development in areas containing wetland features or other waters of the United States and on an ongoing basis, as appropriate.</p>	<p>Stanislaus County, USACE, and/or Central Valley RWQCB, as appropriate.</p>

Impact	Mitigation Measure	Implementation	Timing	Enforcement
3.5 Cultural Resources				
<p>3.5-2 Substantial adverse change in the significance of an archaeological resource as defined in CEQA Guidelines Section 15064.5.</p>	<p>3.5-2: Avoid Potential Effects on Previously Undiscovered Resources, and Stop Work if Any Prehistoric or Historic Subsurface Cultural Resources are Discovered</p> <p>In the event that any prehistoric or historic subsurface archaeological features or deposits, including locally darkened soil (“midden”), are discovered during construction-related earth-moving activities, all ground-disturbing activity within 150 feet of the resources shall be halted.</p> <p>The County shall consult with a qualified archeologist to assess the significance of the find. If the feature is determined to be significant by the qualified archaeologist (i.e., because it is determined to constitute either an historical resource or a unique archaeological resource), representatives of the County and the qualified archaeologist shall meet to determine the appropriate course of action.</p> <p>If the archaeologist determines that some or all of the affected resource qualifies as a historical resource or a Native American Cultural Place, including a Native American sanctified cemetery, place of worship, religious or ceremonial site, sacred shrine (California Public Resources Code Section 5097.9), or a Native American historic, cultural, or sacred site that is listed or may be eligible for listing in the California Register of Historical Resources pursuant to California Public Resources Code Section 5024.1, including any historic or prehistoric ruins, any burial ground, or any archaeological or historic site (California Public Resources Code Section 5097.993), the archaeologist shall recommend to the County potentially feasible mitigation measures that would preserve the integrity of the site or minimize impacts on it, including any or a combination of the following:</p> <ul style="list-style-type: none"> ▶ Avoidance, preservation, and/or enhancement of all or a portion of the Native American Cultural Place as open space or habitat, with a conservation easement dedicated to the most interested and appropriate tribal organization. If such an organization is willing to accept and maintain 	<p>Stanislaus County and leaseholders / developers / contractors.</p>	<p>During the construction of any on-site developments and off-site infrastructure improvements and ongoing, as applicable.</p>	<p>Stanislaus County.</p>

Impact	Mitigation Measure	Implementation	Timing	Enforcement
	<p>such an easement, or alternatively, a cultural resource organization that holds conservation easements;</p> <ul style="list-style-type: none"> ▶ An agreement with any such tribal or cultural resource organization to maintain the confidentiality of the location of the site so as to minimize the danger of vandalism to the site or other damage to its integrity; or ▶ Other measures, short of full or partial avoidance or preservation, intended to minimize impacts on the Native American Cultural Place consistent with land use assumptions and the proposed design and footprint of the development project for which the requested grading permit has been approved. <p>After receiving such recommendations, the County shall assess the feasibility of the recommendations and impose the most protective mitigation feasible in light of land use assumptions and the proposed design and footprint of the development project. The County shall, in reaching conclusions with respect to these recommendations, consult with the most appropriate and interested tribal organization.</p>			
3.7 Greenhouse Gas Emissions				
3.7-1 Increases in greenhouse gas emissions.	<p>3.7-1a: Reduce Construction-Related GHG Emissions</p> <p>Development of the project shall incorporate measures to reduce GHG emissions associated with construction activities including, but not limited to construction equipment, haul trucks, material delivery trucks, and construction worker vehicles. Measures can include, but should not be limited to the following:</p> <ul style="list-style-type: none"> ▶ Contractor shall use alternative-fuel (e.g., compressed natural gas) or electric equipment, when feasible. ▶ Procure materials from providers from the closest feasible sources. 	Leaseholders / developers / contractors for projects under the Specific Plan and Stanislaus County for infrastructure improvements directed by the County.	During all construction activities.	Stanislaus County.
	<p>3.7-1b: Reduce Operational GHG Emissions</p> <p>Projects proposed under the Specific Plan shall incorporate energy efficiency, conservation, and other GHG reduction strategies. The performance standard is to incorporate</p>	Leaseholders / developers / contractors and Stanislaus County.	Identify strategies to reduce emissions prior to issuance of building permit and implement strategies during operations.	Stanislaus County.

Impact	Mitigation Measure	Implementation	Timing	Enforcement
	<p>reduction strategies at a sufficient level to contribute each project's proportional share of the overall greenhouse gas reductions necessary to meet State GHG reduction targets. The following mitigation measures shall be implemented by the project applicant(s) of all project phases to reduce GHG emissions:</p> <ul style="list-style-type: none"> ▶ Provide electric vehicle charging stations and priority parking nearest to buildings. ▶ Design roof top areas for proposed buildings to minimize the area occupied by heating, ventilation, and air conditioning (HVAC) systems and maximum the efficiency and area for solar PV systems that would be compatible with the proposed aviation facilities. ▶ Orient and design buildings to maximize natural lighting and install passive energy efficiency features such as louvres and shade structures to minimize the amount of air conditioning needed during summer months. ▶ Building indoor lighting shall be automatically switched to motion sensor and area lighting after normal working hours. ▶ Provide all businesses with separate recycling containers for daily paper, plastic, cans, and glass generation and recycling pick up in coordination with general solid waste pick up. ▶ Provide monthly e-waste collection services for all business. <p>Projects that do not incorporate the measures listed above, shall propose alternative measures that demonstrate an equal or greater decrease in annual operational GHG emissions and achieve the performance standard.</p>			
3.8 Geology, Soils, Minerals, and Paleontological Resources				
3.8-1 Potential damage to proposed facilities from seismic hazards.	<p>3.8-1a: Prepare Site-Specific Geotechnical Report(s) per CBC Requirements and Implement Associated Recommendations.</p> <p>Prior to issuance of grading/building permits and prior to the construction of any off-site infrastructure improvements, a qualified civil engineer shall be retained to prepare a final geotechnical report for the proposed facilities, which shall</p>	Leaseholders / developers / contractors.	Prior to issuance of a grading/building permit.	Stanislaus County.

Impact	Mitigation Measure	Implementation	Timing	Enforcement
	<p>be submitted for review and approval to the appropriate Stanislaus County Department(s). The final geotechnical engineering report may require site-specific subsurface soil borings and shall address and make recommendations on the following, as applicable:</p> <ul style="list-style-type: none"> ▶ seismic design parameters; ▶ seismic ground shaking; ▶ surface fault rupture related to the proposed I-5 interchange improvements; ▶ liquefaction; ▶ expansive/unstable soils; ▶ site preparation; ▶ soil bearing capacity; ▶ structural foundations, including retaining-wall design; ▶ grading practices; and ▶ soil corrosion of concrete and steel. <p>In addition to the recommendations for the conditions listed above, the geotechnical investigation shall determine appropriate foundation designs that are consistent with the version of the California Building Code (CBC) that is in force at the time of permit application. Building plans shall demonstrate that they incorporate all applicable recommendations of the geotechnical study and comply with all applicable requirements of the latest adopted version of the CBC.</p> <p>3.8-1b: Monitor Earthwork during Earthmoving Activities.</p> <p>All earthwork, such as excavation, placement of fill, and disposal of materials removed from and deposited on both on-and off-site construction areas, shall be monitored by a qualified geotechnical or civil engineer.</p>	Leaseholders / developers / contractors.	During excavation or other earthwork.	Stanislaus County.
3.8-2 Potential geologic hazards related to construction in unstable soils.	<p>3.8-2c: Conduct Subsidence Monitoring.</p> <p>Subsidence monitoring shall be conducted and appropriate actions taken to prevent subsidence associated with the project. The County shall coordinate with the Groundwater</p>	Stanislaus County and the Groundwater Sustainability Agency.	Ongoing.	Stanislaus County and the Groundwater Sustainability Agency.

Impact	Mitigation Measure	Implementation	Timing	Enforcement
	<p>Sustainability Agency on any monitoring of subsidence monuments conducted to implement the Groundwater Sustainability Plan for the vicinity of the Specific Plan Area. The exact construction, placement, and monitoring methodology will be defined in a subsidence monitoring program in the Groundwater Sustainability Plan. Subsidence monitoring activities, findings, and reporting schedule will also be defined in the Groundwater Sustainability Plan, along with standards that dictate when investigation and intervention is required and what actions will be a part of intervention, if required, in order to avoid damage to infrastructure.</p>			
<p>3.8-3 Potential temporary, short-term construction-related erosion.</p>	<p>3.8-3a: Prepare and Implement a Grading and Erosion Control Plan.</p> <p>Before grading permits are issued or earthmoving activities are conducted, a California Registered Civil Engineer shall be retained to prepare a grading and erosion control plan. The grading and erosion control plan shall be submitted to the Stanislaus County Public Works Department for review and approval. The plan shall be consistent with the County's NPDES permit, and shall include site-specific grading proposals. The plan shall include the location, implementation schedule, and maintenance schedule of all erosion and sediment control measures, a description of measures designed to control dust and stabilize the construction-site road and entrance, and a description of the location and methods of storage and disposal of construction materials. Temporary construction-related erosion and sediment control measures could include the use of detention basins, berms, swales, wattles, and silt fencing, and covering or watering of stockpiled soils to reduce wind erosion. Stabilization of construction entrances to minimize trackout (control dust) is commonly achieved by installing filter fabric and crushed rock to a depth of approximately 1 foot.</p>	<p>Leaseholders / developers / contractors.</p>	<p>Prior to issuance of a grading permit.</p>	<p>Stanislaus County.</p>

Impact	Mitigation Measure	Implementation	Timing	Enforcement
3.8-7 Possible damage to or destruction of unique paleontological resources.	<p>3.8-7: Avoid Paleontological Resources Impacts.</p> <p>If paleontological resources (e.g., fossils) are discovered during earthmoving activities, the construction crew shall immediately cease work in the vicinity of the find and notify the Stanislaus County Planning & Community Development Department. A qualified paleontologist shall be retained to evaluate the resource and prepare a recovery plan in accordance with Society of Vertebrate Paleontology Guidelines (1996). The recovery plan may include, but is not limited to, a field survey, construction monitoring, sampling and data recovery procedures, museum storage coordination for any specimen recovered, and a report of findings. Recommendations in the recovery plan that are determined by the Stanislaus County Planning & Community Development Department to be necessary and feasible shall be implemented before construction activities can resume at the site where the paleontological resources were discovered.</p>	Stanislaus County.	During excavation and other earth disturbance.	Stanislaus County.
3.9 Hazards and Hazardous Materials				
3.9-1 Accidental spills and routine use and transport of hazardous materials used during construction activities.	<p>3.9-1: Designate Official Trucking Route.</p> <p>The County shall designate the official trucking terminal access route for the Specific Plan from the Fink Road/Interstate 5 interchange directly to the Specific Plan Area. This trucking route shall apply to large trucks regulated by the Surface Transportation Assistance Act, referred to as "STAA" trucks.</p>	Leaseholders / developers / contractors.	Establish prior to construction and enforce during construction and operation of projects implemented within the Specific Plan Area.	Stanislaus County.
3.9-2 Exposure of people and the environment to existing hazardous materials, including Cortese-listed sites.	<p>3.9-2a: Prepare and Implement a Worker Health and Safety Plan, and Implement Appropriate Measures to Minimize Potential Exposure to Hazardous Materials.</p> <p>The following shall be implemented before and during construction to reduce potentially significant impacts associated with exposure to hazardous materials:</p> <ul style="list-style-type: none"> ▶ Prepare and implement a worker health and safety plan before the start of construction activities that identifies, at 	Leaseholders / developers / contractors.	Before the start of earthmoving activities.	Stanislaus County.

Impact	Mitigation Measure	Implementation	Timing	Enforcement
	<p>a minimum, the potential types of contaminants that could be encountered during construction activity; all appropriate worker, public health, and environmental protection equipment and procedures to be used during project activities; emergency response procedures; the most direct route to the nearest hospitals; and a Site Safety Officer. The plan shall describe actions to be taken should hazardous materials be encountered on site, including the telephone numbers of local and state emergency hazmat response agencies.</p> <ul style="list-style-type: none"> ▶ If, during site preparation and construction activities, evidence of hazardous materials contamination is observed or suspected (<i>e.g.</i>, stained or odorous soil or groundwater), construction activities shall cease immediately in the area of the find. If such contamination is observed or suspected, the developer/contractor shall retain a qualified hazardous materials specialist to assess the site and collect and analyze soil and/or water samples, as necessary. If contaminants are identified in the samples, the developer/contractor shall notify and consult with the appropriate federal, State, and/or local agencies. Measures to remediate contamination and protect worker health and the environment shall be implemented in accordance with federal, State, and local regulations before construction activities may resume at the site where contamination is encountered. Such measures could include, but are not limited to, preparation of a Phase I and/or Phase II Environmental Site Assessment, removal of contaminated soil, and pumping and treating of groundwater. ▶ Properly abandon and remove the existing agricultural ASTs in accordance with Stanislaus County Department of Environmental Resources regulations. 			
	<p>3.9-2b: Remove Asbestos-Containing Material and Lead-Based Paint in Accordance with Federal, State, and Local Regulations.</p> <p>The County shall retain a Cal-OSHA certified asbestos consultant before reuse, remodeling, or demolition of the</p>	Stanislaus County.	During construction activities at the control tower (building C101) and the airfield lighting vault (building C103).	Stanislaus County.

Impact	Mitigation Measure	Implementation	Timing	Enforcement
	<p>control tower (building C101) and the airfield lighting vault (building C103) to investigate whether any asbestos-containing materials or lead-based paints are present, and could become friable or mobile during rehabilitation or demolition activities. If any materials containing asbestos or lead-based paints are found, they shall be removed by an accredited contractor in accordance with EPA, Cal-OSHA, and SJVAPCD standards. In addition, all activities (construction or demolition) in the vicinity of these materials shall comply with Cal-OSHA asbestos and lead worker construction standards. The materials containing lead shall be disposed of properly at an appropriate off-site disposal facility.</p>			
	<p>3.9-2c: Design the I-5/Fink Road Interchange Improvements to Avoid Contact with Landfill Materials.</p> <p>Interchange improvements shall be designed to avoid all contact with landfill materials. The boundaries of existing landfill materials shall be clearly marked as an avoidance area prior to the start of construction activities at the interchange.</p>	Stanislaus County.	Prior to, and during construction activities associated with the I-5/Fink Road interchange improvements.	Stanislaus County.
	<p>3.9-2d: Perform an Environmental Site Assessment of the AL Castle Site, and Implement Remediation if Necessary.</p> <p>Prior to the start of construction activities associated with the sewer pipeline along West Marshall Road, a licensed environmental professional shall be retained to perform a Phase I Environmental Site Assessment (ESA) of the AL Castle site. The Phase I ESA shall include consultation with the Stanislaus County Department of Environmental Resources, and DTSC and/or SWRCB, regarding the status and nature of contamination of the AL Castle site. If necessary, a Phase II ESA shall be performed to obtain soil and groundwater samples for laboratory analysis. The Phase I ESA (and Phase II ESA, if necessary) shall be submitted to the Stanislaus County Department of Environmental Resources for review. Any necessary remedial activities shall be performed, prior to the start of any construction activities within 0.25 mile of the AL Castle property.</p>	Stanislaus County.	Prior to, and during construction activities associated with sewer pipeline.	Stanislaus County.

Impact	Mitigation Measure	Implementation	Timing	Enforcement
	Remedial activities shall be coordinated with the Stanislaus County Department of Environmental Resources (and DTSC and/or SWRCB, as necessary).			
3.9-4 Interference with emergency access or adopted emergency response plans.	<p>3.9-4: Prepare and Implement a Construction Traffic Control Plan.</p> <p>A traffic control plan shall be implemented for construction activities that may affect road rights-of-way, in order to facilitate travel of emergency vehicles on affected roadways. The traffic control plan must follow the applicable and current Stanislaus County <i>Standards and Specifications</i>, and must be approved and signed by a professional engineer. Measures typically used in traffic control plans include advertising of planned lane closures, warning signage, a flag person to direct traffic flows when needed, and methods to ensure continued access by emergency vehicles. During project construction, access to the existing surrounding land uses shall be maintained at all times, with detours used, as necessary, during road closures. The traffic control plan shall be submitted to the Stanislaus County Public Works Department for review and approval before the approval of all project plans or permits.</p>	Leaseholders / developers / contractors.	Prior to any construction activity that may affect road rights-of-way on- and off-site.	Stanislaus County.
3.10 Hydrology and Water Quality				
3.10-1 Potential temporary, short-term construction-related drainage and water quality effects.	<p>3.10-1b: Prepare and Implement a Stormwater Pollution Prevention Plan and Associated Best Management Practices.</p> <p>Prior to the start of earth-moving activities, leaseholders/developers/contractors for each project within the Specific Plan Area and for each off-site infrastructure improvement required to serve development under the Specific Plan shall obtain coverage under any applicable State or local stormwater permit for general construction activity, including the preparation and submittal of a project-specific storm water pollution prevention plan (SWPPP). The leaseholders/developers/contractors shall also prepare and submit erosion and sediment control and engineering plans and specifications for pollution</p>	Leaseholders / developers / contractors.	Prior to any earth-moving activities.	Stanislaus County.

Impact	Mitigation Measure	Implementation	Timing	Enforcement
	<p>prevention and control to the Stanislaus County Public Works Department.</p> <p>The SWPPP shall identify and specify an effective combination of robust erosion and sediment control Best Management Practices (BMPs) and construction techniques accepted by the County for use at the time of construction that would reduce the potential for runoff and the release, mobilization, and exposure of pollutants from project-related construction sites. Where applicable, BMPs identified in the SWPPP shall be in place throughout all site work and construction activities and shall be used in all subsequent site development activities.</p>			
<p>3.10-2 Potential increased risk of flooding and hydromodification from increased stormwater runoff</p>	<p>3.10-2: Prepare and Implement Drainage Plan Demonstrating Compliance with the County's Drainage Plan.</p> <p>All development shall implement all applicable design details within the County's approved drainage plan and shall provide project-specific details showing design measures to (1) protect long-term water quality; (2) ensure that future development continues to contain the 100-year (0.01 AEP) flood flows to avoid risk to people or structures within or down gradient of the project site; and (3) avoid an increase in hydromodification compared to pre-development levels that could change existing stream geomorphology. Plans demonstrating compliance with County drainage standards and project-specific details meeting the County's requirements and performance standards of this mitigation measure shall be submitted to and approved by the Stanislaus County Public Works Department. Plans shall contain supporting calculations, as determined necessary by the Public Works Director.</p>	<p>Leaseholders / developers / contractors.</p>	<p>Prior to issuance of grading or building permits and/or implementation of project construction.</p>	<p>Stanislaus County.</p>
<p>3.10-3 Create long-term operational water quality and hydrology effects as a result of agricultural and urban runoff.</p>	<p>3.10-3b: Prepare and Implement a Long-Term Site-Specific Operational Stormwater Quality Management Plan.</p> <p>The County shall implement a site-specific long-term operational stormwater quality/drainage management plan and incorporate procedures into all leases, contracts, and/or permits. The plan shall be designed to meet the</p>	<p>Stanislaus County and leaseholders / developers / contractors.</p>	<p>Prior to issuance of grading or building permits.</p>	<p>Stanislaus County.</p>

Impact	Mitigation Measure	Implementation	Timing	Enforcement
	<p>requirements of relevant permitting requirements, while acknowledging site-specific conditions and the presence of a nearby public-use airport. The plan shall outline the water quality improvements developed for the backbone infrastructure and provide detailed information about the structural and nonstructural BMPs proposed for phased project development. The plan shall include:</p> <ul style="list-style-type: none"> ▶ A quantitative hydrologic and water quality analysis of proposed conditions incorporating the site-specific drainage design features (including LID features). ▶ Pre-development and post-development calculations demonstrating that the proposed water quality BMPs meet or exceed requirements established by Stanislaus County. <p>The operational stormwater quality management plan shall contain a list of long-term operational BMPs that would be implemented throughout the project site to:</p> <ul style="list-style-type: none"> ▶ eliminate non-stormwater discharges; ▶ educate future on-site employees about the stormwater program requirements and the penalties for non-stormwater discharges; ▶ reduce the amount of pollutants carried by on-site stormwater; and ▶ treat on-site stormwater prior to off-site discharge. <p>Vegetation will be incorporated in to individual development plans, in accordance with Specific Plan policies. In addition, the project site shall be developed to include stormwater management facilities that promote evapotranspiration, infiltration, harvest/use, and biotreatment of stormwater and it shall include provisions to maintain these facilities in perpetuity. The facilities shall be designed using either volumetric or flow-based criteria as follows:</p> <p>Volumetric Hydraulic Sizing Design Criteria</p> <ul style="list-style-type: none"> ▶ The maximized capture stormwater volume for the tributary area, on the basis of historical rainfall records, determined using the formula and volume capture coefficients as required by Stanislaus County (i.e., 			

Impact	Mitigation Measure	Implementation	Timing	Enforcement
	<p>approximately the 85th percentile 24-hour storm runoff event); or</p> <ul style="list-style-type: none"> ▶ The volume of annual runoff required to achieve 80 percent or more capture, determined in accordance with the methodology in Section 5 of the California Stormwater Quality Association (CASQA's) <i>Stormwater Best Management Practice Handbook, New Development and Redevelopment</i> (2003), using local rainfall data. <p>Flow-Based Hydraulic Sizing Design Criteria</p> <ul style="list-style-type: none"> ▶ The flow of runoff produced from a rain event equal to at least 0.2 inches per hour intensity; or ▶ The flow of runoff produced from a rain event equal to at least 2 times the 85th percentile hourly rainfall intensity as determined from local rainfall records. <p>In addition, any future land use within the project site that includes a high-risk pollutant discharge source shall provide additional site-specific treatment to address pollutants of concern prior to the flow reaching the infiltration facility. The adequacy of site-specific source treatment shall be determined by the County, and may include facilities, such as oil and grease separators and settling tanks.</p> <p>The operational stormwater quality management plan for each proposed leasehold development shall be submitted to the County for review and approval.</p>			
	<p>3.10-3c: Implement an Agreement between Project Leaseholders and Stanislaus County to Provide Maintenance, Monitoring, and Funding for Long-Term Operational Stormwater Quality Control.</p> <p>Prior to issuance of building permits for proposed development in the Specific Plan Area, leaseholders shall be required to enter into an agreement with the County that specifies the long-term maintenance, monitoring, and funding for operational stormwater quality controls at the project site.</p>	Leaseholders / developers / contractors.	Prior to issuance of grading or building permits.	Stanislaus County.

Impact	Mitigation Measure	Implementation	Timing	Enforcement
<p>3.10-4 Potential impacts on groundwater recharge and aquifer volume.</p>	<p>3.10-4a: Provide Setbacks for New Shallow Wells</p> <p>New shallow groundwater extraction wells shall be located at least 250 feet from project site boundaries to minimize potential drawdown effects on shallow aquifer wells located on nearby properties.</p>	<p>Stanislaus County.</p>	<p>Ongoing.</p>	<p>Stanislaus County.</p>
	<p>3.10-4b: Conduct and Report Groundwater Level Monitoring</p> <p>The County shall coordinate with the Groundwater Sustainability Agency to conduct groundwater monitoring as a part of implementation of the Groundwater Sustainability Plan for the vicinity of the Specific Plan Area. The exact construction, placement, and monitoring methodology will be defined in a groundwater level monitoring program in the Groundwater Sustainability Plan. Groundwater level monitoring activities, findings, and reporting schedule will also be defined in the Groundwater Sustainability Plan, along with the Minimum Thresholds and Measurable Objectives required in a Groundwater Sustainability Plan that govern when investigation and intervention is required and what adjustments to well field operation or other actions are required to avoid effects to existing off-site wells. Groundwater level monitoring shall commence prior to project implementation to establish baseline conditions.</p>	<p>Stanislaus County and the Groundwater Sustainability Agency.</p>	<p>Ongoing.</p>	<p>Stanislaus County and the Groundwater Sustainability Agency.</p>
<p>3.10-5 Placement of structures that would impede or redirect flood flows within a 100-year flood hazard area.</p>	<p>3.10-5: Prepare Site-Specific Hydraulic Studies to Appropriately Design Water Crossings to Pass 100-Year Flood Flows.</p> <p>Prior to construction of any roadway crossings over any waterbodies (e.g., Little Salado Creek, or the Delta-Mendota Canal, a licensed civil engineer shall be retained to prepare a site-specific hydraulic analysis investigating the channel capacity of the waterbody above and below the proposed crossing structure. The report shall determine site-specific streamflow volume and velocity under 100-year flood stage conditions at the proposed stream crossing locations, as required by the <i>Stanislaus County Standards and</i></p>	<p>Stanislaus County.</p>	<p>Prior to construction of any roadway crossing over Little Salado Creek or the Delta-Mendota Canal.</p>	<p>Stanislaus County.</p>

Impact	Mitigation Measure	Implementation	Timing	Enforcement
	<p><i>Specifications</i> (Stanislaus County 2014). Overcrossings over the Delta-Mendota Canal shall be coordinated with the Delta-Mendota Water Authority and/or DWR, respectively. The analysis shall include runoff calculations for any upstream development that may have occurred between preparation of this EIR and the time of the site-specific hydraulic analysis, either off or on-site. The hydraulic analysis shall be used to determine the appropriate bridge or culverted crossing design, and the results of the hydraulic analysis shall demonstrate that the proposed creek crossing structure will not impair 100-year flood flows associated with the waterbody. The hydraulic report, along with the proposed bridge or culverted crossing design, shall be submitted to the Stanislaus County Departments of Public Works for review and approval. All bridge and culvert designs shall be in accordance with the California Department of Transportation’s Bridge Design Specifications and <i>Stanislaus County Standards and Specifications</i> (Stanislaus County 2015). For example, current county specifications require that for pipe culverts, all headwalls or other appurtenant structures must be located adjacent to the right-of-way and the maximum fill slope over culverts must be 4 to 1 or flatter. The County also requires all fill placed within 2 feet above the 100-year flood (Q₁₀₀) elevation be protected from erosion by slope protection.</p>			
<p>3.10-6 Potential exposure of people or structures to a significant risk of flooding as a result of the failure of a levee or dam, including flooding from a seismic seiche.</p>	<p>3.10-6: Prepare a Site-Specific Levee Design Report and Incorporate Appropriate Design and Engineering Recommendations.</p> <p>Depending on the height of the Davis Road Levee, the project could be subject to Division of Safety of Dams (DSOD) jurisdiction. If so, the levee shall be designed, operated, and maintained according to applicable DSOD criteria. If not, the levee shall be designed according to standard geotechnical and civil engineering criteria by a California-licensed engineer, which may include specifications such as those contained in USACE Engineering Manual 1110-2-1913 <i>Design and Construction of Levees</i> (USACE 2000), Engineering Technical Letter</p>	<p>Stanislaus County.</p>	<p>Prior to construction of Davis Road Levee.</p>	<p>Stanislaus County.</p>

Impact	Mitigation Measure	Implementation	Timing	Enforcement
	(ETL) 1110-2-569, <i>Design Guidance for Levee Underseepage</i> (USACE 2005), and ETL 1110-2-555, <i>Design Guidance on Levees</i> (USACE 1997).			
3.12 Noise and Vibration				
3.12-1 Potential exposure of noise-sensitive receptors to groundborne noise and vibration.	<p>3.12-1: Implement Noise and Vibration Measures from Construction Traffic.</p> <p>For construction traffic that could affect sensitive receptors:</p> <ul style="list-style-type: none"> ▶ Prepare a truck route plan. For vibration impacts, the truck route plan will route heavily loaded trucks away from roads where residences are within 50 feet of the edge of the roadway. Heavily loaded trucks will not be routed on West Marshall Road and any other roads that are located within 50 feet of residential or any other vibration-sensitive buildings. For noise impacts, the truck route plan will route trucks away from residential streets where residences or noise-sensitive uses are within 640 feet of the roadway. ▶ Operate earthmoving equipment on the construction lot as far away from vibration-sensitive sites as possible. ▶ Phase earthmoving and other construction activities that would affect the ground surface so as not to occur in the same time period. ▶ Large bulldozers and other construction equipment that would produce vibration levels at or above 86 VdB shall not be operated within 50 feet of adjacent, occupied residences. Small bulldozers shall be used instead of large bulldozers in these areas, if construction activities are required. For any other equipment types that would produce vibration levels at or above 86 VdB, smaller versions or different types of equipment shall be substituted for construction areas within 50 feet of adjacent, occupied residences. ▶ Construction activities shall not occur on weekends or federal holidays and shall not occur on weekdays between the hours of 7 p.m. and 7 a.m. 	Leaseholders / developers / contractors and Stanislaus County.	During all construction phases.	Stanislaus County.

Impact	Mitigation Measure	Implementation	Timing	Enforcement
3.12-2 Increase traffic noise levels at noise-sensitive receptors.	<p>3.12-2: Surfacing the Pavement along the Impacted Roadway Segment with Rubberized Asphalt Material</p> <p>Resurfacing of Bell Road from Fink Road to Ike Crow Road, and Fink Road from Bell Road to SR 33 shall use rubberized asphalt, in accordance with Chapter 1100 of the California Highway Design Manual.</p>	Stanislaus County.	Prior to completion of Phase 1.	Stanislaus County.
3.12-3 Long-term exposure of sensitive receptors to non-transportation noise sources.	<p>3.12-3: Placement and Orientation of Day Care Uses.</p> <p>Future day care uses shall be located and/or oriented so that noise-sensitive outdoor activity areas are not exposed to noise levels exceeding 65dB CNEL, the level of noise deemed acceptable in the vicinity of an airport according to the California Code of Regulations.</p>	Leaseholders / developers / contractors.	Ongoing.	Stanislaus County.
3.12-4 Short-Term Exposure of Sensitive Receptors to Construction Noise.	<p>3.12-4: Implement Construction Equipment Noise Reduction Measures.</p> <p>The following measures shall be implemented to minimize construction noise impacts for powered construction equipment operating within 500 feet of existing noise-sensitive uses:</p> <ul style="list-style-type: none"> ▶ Construction activities shall not occur on weekends, federal holidays, or on weekdays between the hours of 7 p.m. and 7 a.m. ▶ Locate fixed/stationary equipment (e.g., generators, compressors) as far as possible from noise-sensitive receptors. Shroud or shield all impact tools, and muffle or shield all in-take and exhaust ports on powered construction equipment. ▶ Store and maintain equipment as far as possible from noise-sensitive receptors. ▶ Properly maintain and equip all construction equipment with noise-reduction intake and exhaust mufflers and engine shrouds, in accordance with manufacturers' recommendations. Equipment engine shrouds shall be closed during equipment operation. 	Leaseholders / developers / contractors for future developments and Stanislaus County for County-led infrastructure improvements.	During all construction phases.	Stanislaus County.

Impact	Mitigation Measure	Implementation	Timing	Enforcement
	<ul style="list-style-type: none"> ▶ Shut down all motorized construction equipment when not in use to prevent excessive idling noise. 			
3.14 Traffic and Transportation				
<p>3.14-1 Existing plus project – intersection operations.</p>	<p>3.14-1: Off-site Traffic Signal or Roundabout Installations and Intersection Improvements.</p> <p>The following intersections are expected to meet signal warrants during peak-hour periods when the project is in place. The impact can be alleviated by installing traffic signals at the intersections where LOS would be degraded in exceedance of relevant thresholds. The affected jurisdictions can consider roundabouts as an alternative to traffic signals. The project shall contribute on a fair-share basis to the following improvements.</p> <p><u>Phase 1</u></p> <ul style="list-style-type: none"> ▶ Signalize Intersection 14. Sperry Avenue / SR 33 (Caltrans) ▶ Signalize Intersection 24. West Ike Crow Road / SR 33 (Stanislaus County) ▶ Signalize Intersection 26. Fink Road / Bell Road (Stanislaus County) ▶ Signalize Project Entrance / Fink Road (Stanislaus County) <p>Fink Road Interchange – Contribute on a fair-share basis to the improvement of the Fink Road interchange. Improvements recommended for the Fink Road interchange include signalizing the northbound ramps prior to completion of Phase 1 and widening the roadway beneath the freeway to create a westbound left turn lane at the southbound ramps intersection.</p> <p><u>Phase 2</u></p> <ul style="list-style-type: none"> ▶ Signalize Intersection 20. Marshall Road / SR 33 (Caltrans) ▶ Signalize Intersection 22. Marshall Road / Ward Avenue (Stanislaus County) ▶ Signalize Intersection 25. Fink Road / SR 33 (Stanislaus County) 	<p>Leaseholders / developers / contractors will contribute on a fair-share basis to fee to reimburse for off-site improvements and implementation will be directed by Stanislaus County.</p>	<p>Prior to completion of Phase 1 and Phase 2, as specified.</p>	<p>Stanislaus County.</p>

Impact	Mitigation Measure	Implementation	Timing	Enforcement
3.14-2 Existing plus project – roadway segment operations.	<p>3.14-2: Off-site Street Widening to Four Lanes on Marshall Road from Project Entrance to SR 33.</p> <p>Marshall Road between the project entrance and SR 33 shall be widened from two to four lanes to accommodate project-generated daily traffic.</p>	Leaseholders / developers / contractors will contribute on a fair-share basis to fee to reimburse for off-site improvements and implementation will be directed by Stanislaus County.	Prior to completion of Phase 2.	Stanislaus County and Caltrans.
3.15 Utilities and Service Systems				
3.15-5 Increased demand at City of Patterson Water Quality Control Facility (WQCF).	<p>3.15-5: Demonstrate Adequate Wastewater Treatment Capacity.</p> <p>Before the County will issue any building permit for a use proposing to connect to public sewer or construction of backbone sewer infrastructure connecting to the WHWD sewer line, the project applicant shall be required to provide written documentation to verify that existing treatment capacity is, or will be, available at the WQCF to support the proposed development. If treatment capacity is provided at the City of Patterson WQCF, projects within the Specific Plan Area shall contribute on a fair-share basis to the cost associated with such treatment capacity. Written documentation may include proof of executions of all financing agreements and/or other mechanisms, to the satisfaction of the City of Patterson, to ensure that any physical improvements required to treat wastewater associated with the proposed development will be in place prior to occupancy.</p>	Leaseholders / developers / contractors.	Prior to issuance of any building permits for a use proposing to connect to public sewer or construction of backbone sewer infrastructure connecting to the WHWD sewer line.	Stanislaus County.
Cumulative Impacts				
TRANSPORTATION AND TRAFFIC – Cumulative with Project Conditions – Intersection Operations	<p>Mitigation Measure – Cumulative with Project Transportation 1: Traffic Signal Installation</p> <p>The project shall contribute on a cumulative fair-share basis to the signalizations for Intersections 1, 2, 10, 11, 14, 17, 18, 19, 20, and 25. The project shall also contribute on a cumulative fair-share basis, in coordination with the City of Newman, to the signalization of the following intersections:</p> <ul style="list-style-type: none"> ▶ Fink Road / Davis Road (Stanislaus County) 	Stanislaus County and Caltrans.	Prior to completion of Phase 3.	Stanislaus County and Caltrans.

Impact	Mitigation Measure	Implementation	Timing	Enforcement
	<ul style="list-style-type: none"> ▶ Fink Road / Ward Avenue (Stanislaus County) ▶ I-5 NB Ramps/ Fink Road (Caltrans) ▶ I-5 SB Ramps/ Fink Road (Caltrans) ▶ SR 33 intersections with Stuhr Road, Jensen Road, Yolo Street, and Inyo Street. 			
<p>TRANSPORTATION AND TRAFFIC – Cumulative with Project Conditions – Roadway Segment Operations</p>	<p>Mitigation Measure – Cumulative with Project Transportation 2: Roadway Widening</p> <p>The project shall contribute on a cumulative fair-share basis to the improvement to Roadway Segment 16, West Main Street west of Carpenter Road: from two to four lanes, and the improvement to Roadway Segment 19, I-5 north of Sperry Avenue: from four to six lanes. The project shall also contribute on a cumulative fair-share basis to the following roadway widening improvements:</p> <ul style="list-style-type: none"> ▶ Roadway Segment 4. SR 33 south of Stuhr Road to Inyo Street: from two to four lanes ▶ Roadway Segment 8. SR 33 between Marshall Road and Sperry Avenue: from two to four lanes ▶ Roadway Segment 20. I-5 between Fink Road and Sperry Avenue: from four to six lanes 	<p>Stanislaus County and Caltrans.</p>	<p>Prior to completion of Phase 3.</p>	<p>Stanislaus County and Caltrans.</p>

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Appendix B

CLIBP Phase 1A Water Supply Emissions Estimates

CLIBP Phase 1A Water Supply - Stanislaus County, Annual

**CLIBP Phase 1A Water Supply
Stanislaus County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	31.80	1000sqft	8.60	31,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	46
Climate Zone	3			Operational Year	2022
Utility Company					
CO2 Intensity (lb/MWhr)	0	CH4 Intensity (lb/MWhr)	0	N2O Intensity (lb/MWhr)	0

1.3 User Entered Comments & Non-Default Data

CLIBP Phase 1A Water Supply - Stanislaus County, Annual

Project Characteristics - Construction only model run.

Land Use - Square feet represents structural square footage. Lot acreage represents total land disturbance.

Construction Phase - Construction would occur over 8 to 12 months. Default construction phases and duration, except reduce building construction and architectural coating duration due to small size of structures.

Off-road Equipment - Project-specific anticipated construction equipment.

Off-road Equipment - Project-specific anticipated construction equipment.

Off-road Equipment - Project-specific anticipated construction equipment.

Off-road Equipment - Default paving equipment.

Off-road Equipment - Default architectural coating equipment.

Trips and VMT - Default worker trips. Water truck included with vendor trips.

Vehicle Trips - Construcion only model run - zeroed out operations.

Consumer Products - Construcion only model run - zeroed out operations.

Area Coating - Construcion only model run - zeroed out operations.

Landscape Equipment - Construcion only model run - zeroed out operations.

Energy Use - Construction only model run - zeroed out operational inputs.

Water And Wastewater - Construcion only model run - zeroed out operations.

Solid Waste - Construcion only model run - zeroed out operations.

Stationary Sources - Emergency Generators and Fire Pumps - Backup generator.

Construction Off-road Equipment Mitigation - Watering of exposed area to comply with District Rule VIII.

Off-road Equipment - Project-specific anticipated construction equipment.

Off-road Equipment - Project-specific anticipated construction equipment.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	15900	0
tblAreaCoating	Area_Nonresidential_Interior	47700	0
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	230.00	200.00
tblConstructionPhase	PhaseEndDate	2/24/2022	12/29/2021

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tblConstructionPhase	PhaseEndDate	12/30/2021	11/18/2021
tblConstructionPhase	PhaseEndDate	1/27/2022	12/16/2021
tblConstructionPhase	PhaseEndDate	2/11/2021	2/25/2021
tblConstructionPhase	PhaseStartDate	1/28/2022	12/16/2021
tblConstructionPhase	PhaseStartDate	12/31/2021	11/19/2021
tblEnergyUse	LightingElect	2.70	0.00
tblEnergyUse	NT24E	4.16	0.00
tblEnergyUse	NT24NG	3.84	0.00
tblEnergyUse	T24E	1.96	0.00
tblEnergyUse	T24NG	17.03	0.00
tblLandUse	LotAcreage	0.73	8.60
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Graders
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Scrapers
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Pumps
tblOffRoadEquipment	OffRoadEquipmentType		Crushing/Proc. Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Other Construction Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Crushing/Proc. Equipment
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00

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tblOffRoadEquipment	PhaseName		Trenching & Well Drilling
tblOffRoadEquipment	PhaseName		Facility Construction
tblOffRoadEquipment	PhaseName		Grading
tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	PhaseName		Facility Construction
tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	PhaseName		Facility Construction
tblOffRoadEquipment	PhaseName		Trenching & Well Drilling
tblOffRoadEquipment	PhaseName		Trenching & Well Drilling
tblSolidWaste	SolidWasteGenerationRate	39.43	0.00
tblStationaryGeneratorsPumpsUse	HorsePowerValue	0.00	400.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	50.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	1.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	4.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblVehicleTrips	ST_TR	1.32	0.00
tblVehicleTrips	SU_TR	0.68	0.00
tblVehicleTrips	WD_TR	6.97	0.00
tblWater	IndoorWaterUseRate	7,353,750.00	0.00

2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2021	3-31-2021	1.4271	1.4271
2	4-1-2021	6-30-2021	1.4363	1.4363
3	7-1-2021	9-30-2021	1.4521	1.4521
		Highest	1.4521	1.4521

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1242					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.0164	0.0459	0.0418	8.0000e-005		2.4100e-003	2.4100e-003		2.4100e-003	2.4100e-003	0.0000	7.6159	7.6159	1.0700e-003	0.0000	7.6426
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1406	0.0459	0.0418	8.0000e-005	0.0000	2.4100e-003	2.4100e-003	0.0000	2.4100e-003	2.4100e-003	0.0000	7.6159	7.6159	1.0700e-003	0.0000	7.6426

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1242					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Stationary	0.0164	0.0459	0.0418	8.0000e-005		2.4100e-003	2.4100e-003		2.4100e-003	2.4100e-003	0.0000	7.6159	7.6159	1.0700e-003	0.0000	7.6426
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1406	0.0459	0.0418	8.0000e-005	0.0000	2.4100e-003	2.4100e-003	0.0000	2.4100e-003	2.4100e-003	0.0000	7.6159	7.6159	1.0700e-003	0.0000	7.6426

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2021	1/14/2021	5	10	
2	Grading	Grading	1/15/2021	2/11/2021	5	20	
3	Facility Construction	Building Construction	2/12/2021	11/18/2021	5	200	
4	Trenching & Well Drilling	Trenching	2/12/2021	2/25/2021	5	10	
5	Paving	Paving	11/19/2021	12/16/2021	5	20	
6	Architectural Coating	Architectural Coating	12/16/2021	12/29/2021	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 47,700; Non-Residential Outdoor: 15,900; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Trenching & Well Drilling	Cranes	1	2.00	231	0.29
Trenching & Well Drilling	Excavators	1	8.00	158	0.38
Grading	Excavators	1	8.00	158	0.38
Facility Construction	Cranes	1	7.00	231	0.29
Facility Construction	Forklifts	1	8.00	89	0.20
Facility Construction	Generator Sets	2	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Trenching & Well Drilling	Graders	1	8.00	187	0.41

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Grading	Rubber Tired Dozers	1	8.00	247	0.40
Facility Construction	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	2	8.00	247	0.40
Facility Construction	Welders	2	8.00	46	0.45
Trenching & Well Drilling	Off-Highway Trucks	1	4.00	402	0.38
Trenching & Well Drilling	Scrapers	1	8.00	367	0.48
Trenching & Well Drilling	Bore/Drill Rigs	1	8.00	221	0.50
Trenching & Well Drilling	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Facility Construction	Off-Highway Trucks	1	4.00	402	0.38
Grading	Off-Highway Trucks	1	4.00	402	0.38
Site Preparation	Off-Highway Trucks	1	4.00	402	0.38
Facility Construction	Pumps	1	24.00	84	0.74
Site Preparation	Crushing/Proc. Equipment	1	8.00	85	0.78
Facility Construction	Other Construction Equipment	2	8.00	172	0.42
Trenching & Well Drilling	Concrete/Industrial Saws	2	8.00	81	0.73
Trenching & Well Drilling	Crushing/Proc. Equipment	1	8.00	85	0.78

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Trenching & Well Drilling	10	25.00	2.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	6	15.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	4.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Facility Construction	12	13.00	5.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	2.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	3.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0602	0.0000	0.0602	0.0331	0.0000	0.0331	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0164	0.1593	0.0937	1.8000e-004		7.9700e-003	7.9700e-003		7.4100e-003	7.4100e-003	0.0000	16.1492	16.1492	4.4500e-003	0.0000	16.2606
Total	0.0164	0.1593	0.0937	1.8000e-004	0.0602	7.9700e-003	0.0682	0.0331	7.4100e-003	0.0405	0.0000	16.1492	16.1492	4.4500e-003	0.0000	16.2606

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3.2 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	2.2200e-003	3.6000e-004	1.0000e-005	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5298	0.5298	4.0000e-005	0.0000	0.5309
Worker	3.1000e-004	2.0000e-004	2.2000e-003	1.0000e-005	6.0000e-004	0.0000	6.0000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5340	0.5340	2.0000e-005	0.0000	0.5344
Total	3.7000e-004	2.4200e-003	2.5600e-003	2.0000e-005	7.3000e-004	1.0000e-005	7.4000e-004	2.0000e-004	1.0000e-005	2.0000e-004	0.0000	1.0638	1.0638	6.0000e-005	0.0000	1.0652

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0271	0.0000	0.0271	0.0149	0.0000	0.0149	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0164	0.1593	0.0937	1.8000e-004		7.9700e-003	7.9700e-003		7.4100e-003	7.4100e-003	0.0000	16.1492	16.1492	4.4500e-003	0.0000	16.2606
Total	0.0164	0.1593	0.0937	1.8000e-004	0.0271	7.9700e-003	0.0351	0.0149	7.4100e-003	0.0223	0.0000	16.1492	16.1492	4.4500e-003	0.0000	16.2606

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3.2 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	2.2200e-003	3.6000e-004	1.0000e-005	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5298	0.5298	4.0000e-005	0.0000	0.5309
Worker	3.1000e-004	2.0000e-004	2.2000e-003	1.0000e-005	6.0000e-004	0.0000	6.0000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5340	0.5340	2.0000e-005	0.0000	0.5344
Total	3.7000e-004	2.4200e-003	2.5600e-003	2.0000e-005	7.3000e-004	1.0000e-005	7.4000e-004	2.0000e-004	1.0000e-005	2.0000e-004	0.0000	1.0638	1.0638	6.0000e-005	0.0000	1.0652

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0241	0.2547	0.1540	3.3000e-004		0.0115	0.0115		0.0105	0.0105	0.0000	29.1233	29.1233	9.4200e-003	0.0000	29.3587
Total	0.0241	0.2547	0.1540	3.3000e-004	0.0655	0.0115	0.0770	0.0337	0.0105	0.0442	0.0000	29.1233	29.1233	9.4200e-003	0.0000	29.3587

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3.3 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2000e-004	4.4400e-003	7.3000e-004	1.0000e-005	2.6000e-004	1.0000e-005	2.8000e-004	8.0000e-005	1.0000e-005	9.0000e-005	0.0000	1.0596	1.0596	9.0000e-005	0.0000	1.0618
Worker	6.2000e-004	4.1000e-004	4.4000e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0680	1.0680	3.0000e-005	0.0000	1.0687
Total	7.4000e-004	4.8500e-003	5.1300e-003	2.0000e-005	1.4600e-003	2.0000e-005	1.4900e-003	4.0000e-004	2.0000e-005	4.2000e-004	0.0000	2.1275	2.1275	1.2000e-004	0.0000	2.1305

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0295	0.0000	0.0295	0.0152	0.0000	0.0152	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0241	0.2547	0.1540	3.3000e-004		0.0115	0.0115		0.0105	0.0105	0.0000	29.1232	29.1232	9.4200e-003	0.0000	29.3587
Total	0.0241	0.2547	0.1540	3.3000e-004	0.0295	0.0115	0.0409	0.0152	0.0105	0.0257	0.0000	29.1232	29.1232	9.4200e-003	0.0000	29.3587

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3.3 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2000e-004	4.4400e-003	7.3000e-004	1.0000e-005	2.6000e-004	1.0000e-005	2.8000e-004	8.0000e-005	1.0000e-005	9.0000e-005	0.0000	1.0596	1.0596	9.0000e-005	0.0000	1.0618
Worker	6.2000e-004	4.1000e-004	4.4000e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0680	1.0680	3.0000e-005	0.0000	1.0687
Total	7.4000e-004	4.8500e-003	5.1300e-003	2.0000e-005	1.4600e-003	2.0000e-005	1.4900e-003	4.0000e-004	2.0000e-005	4.2000e-004	0.0000	2.1275	2.1275	1.2000e-004	0.0000	2.1305

3.4 Facility Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4422	3.9114	3.8800	6.9000e-003		0.2023	0.2023		0.1942	0.1942	0.0000	592.3866	592.3866	0.1079	0.0000	595.0850
Total	0.4422	3.9114	3.8800	6.9000e-003		0.2023	0.2023		0.1942	0.1942	0.0000	592.3866	592.3866	0.1079	0.0000	595.0850

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3.4 Facility Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5300e-003	0.0555	9.1200e-003	1.4000e-004	3.3100e-003	1.5000e-004	3.4600e-003	9.6000e-004	1.4000e-004	1.1000e-003	0.0000	13.2445	13.2445	1.0900e-003	0.0000	13.2719
Worker	5.3900e-003	3.5300e-003	0.0381	1.0000e-004	0.0104	8.0000e-005	0.0105	2.7600e-003	7.0000e-005	2.8300e-003	0.0000	9.2556	9.2556	2.7000e-004	0.0000	9.2623
Total	6.9200e-003	0.0591	0.0472	2.4000e-004	0.0137	2.3000e-004	0.0139	3.7200e-003	2.1000e-004	3.9300e-003	0.0000	22.5001	22.5001	1.3600e-003	0.0000	22.5341

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4422	3.9114	3.8800	6.9000e-003		0.2023	0.2023		0.1942	0.1942	0.0000	592.3859	592.3859	0.1079	0.0000	595.0843
Total	0.4422	3.9114	3.8800	6.9000e-003		0.2023	0.2023		0.1942	0.1942	0.0000	592.3859	592.3859	0.1079	0.0000	595.0843

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3.4 Facility Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5300e-003	0.0555	9.1200e-003	1.4000e-004	3.3100e-003	1.5000e-004	3.4600e-003	9.6000e-004	1.4000e-004	1.1000e-003	0.0000	13.2445	13.2445	1.0900e-003	0.0000	13.2719
Worker	5.3900e-003	3.5300e-003	0.0381	1.0000e-004	0.0104	8.0000e-005	0.0105	2.7600e-003	7.0000e-005	2.8300e-003	0.0000	9.2556	9.2556	2.7000e-004	0.0000	9.2623
Total	6.9200e-003	0.0591	0.0472	2.4000e-004	0.0137	2.3000e-004	0.0139	3.7200e-003	2.1000e-004	3.9300e-003	0.0000	22.5001	22.5001	1.3600e-003	0.0000	22.5341

3.5 Trenching & Well Drilling - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0187	0.1856	0.1518	3.4000e-004		8.0600e-003	8.0600e-003		7.6400e-003	7.6400e-003	0.0000	29.2638	29.2638	7.2700e-003	0.0000	29.4455
Total	0.0187	0.1856	0.1518	3.4000e-004		8.0600e-003	8.0600e-003		7.6400e-003	7.6400e-003	0.0000	29.2638	29.2638	7.2700e-003	0.0000	29.4455

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3.5 Trenching & Well Drilling - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	1.1100e-003	1.8000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2649	0.2649	2.0000e-005	0.0000	0.2654
Worker	5.2000e-004	3.4000e-004	3.6600e-003	1.0000e-005	1.0000e-003	1.0000e-005	1.0100e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.8900	0.8900	3.0000e-005	0.0000	0.8906
Total	5.5000e-004	1.4500e-003	3.8400e-003	1.0000e-005	1.0700e-003	1.0000e-005	1.0800e-003	2.9000e-004	1.0000e-005	2.9000e-004	0.0000	1.1549	1.1549	5.0000e-005	0.0000	1.1560

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0187	0.1856	0.1518	3.4000e-004		8.0600e-003	8.0600e-003		7.6400e-003	7.6400e-003	0.0000	29.2637	29.2637	7.2700e-003	0.0000	29.4455
Total	0.0187	0.1856	0.1518	3.4000e-004		8.0600e-003	8.0600e-003		7.6400e-003	7.6400e-003	0.0000	29.2637	29.2637	7.2700e-003	0.0000	29.4455

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3.5 Trenching & Well Drilling - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-005	1.1100e-003	1.8000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2649	0.2649	2.0000e-005	0.0000	0.2654
Worker	5.2000e-004	3.4000e-004	3.6600e-003	1.0000e-005	1.0000e-003	1.0000e-005	1.0100e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.8900	0.8900	3.0000e-005	0.0000	0.8906
Total	5.5000e-004	1.4500e-003	3.8400e-003	1.0000e-005	1.0700e-003	1.0000e-005	1.0800e-003	2.9000e-004	1.0000e-005	2.9000e-004	0.0000	1.1549	1.1549	5.0000e-005	0.0000	1.1560

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854

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3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	2.2200e-003	3.6000e-004	1.0000e-005	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5298	0.5298	4.0000e-005	0.0000	0.5309
Worker	6.2000e-004	4.1000e-004	4.4000e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0680	1.0680	3.0000e-005	0.0000	1.0687
Total	6.8000e-004	2.6300e-003	4.7600e-003	2.0000e-005	1.3300e-003	2.0000e-005	1.3500e-003	3.6000e-004	2.0000e-005	3.7000e-004	0.0000	1.5977	1.5977	7.0000e-005	0.0000	1.5996

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854

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3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	2.2200e-003	3.6000e-004	1.0000e-005	1.3000e-004	1.0000e-005	1.4000e-004	4.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5298	0.5298	4.0000e-005	0.0000	0.5309
Worker	6.2000e-004	4.1000e-004	4.4000e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	3.2000e-004	1.0000e-005	3.3000e-004	0.0000	1.0680	1.0680	3.0000e-005	0.0000	1.0687
Total	6.8000e-004	2.6300e-003	4.7600e-003	2.0000e-005	1.3300e-003	2.0000e-005	1.3500e-003	3.6000e-004	2.0000e-005	3.7000e-004	0.0000	1.5977	1.5977	7.0000e-005	0.0000	1.5996

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2211					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0900e-003	7.6300e-003	9.0900e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	1.2766	1.2766	9.0000e-005	0.0000	1.2788
Total	0.2222	7.6300e-003	9.0900e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	1.2766	1.2766	9.0000e-005	0.0000	1.2788

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3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	4.4000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1068	0.1068	0.0000	0.0000	0.1069
Total	6.0000e-005	4.0000e-005	4.4000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1068	0.1068	0.0000	0.0000	0.1069

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2211					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0900e-003	7.6300e-003	9.0900e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	1.2766	1.2766	9.0000e-005	0.0000	1.2788
Total	0.2222	7.6300e-003	9.0900e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	1.2766	1.2766	9.0000e-005	0.0000	1.2788

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3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	4.0000e-005	4.4000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1068	0.1068	0.0000	0.0000	0.1069
Total	6.0000e-005	4.0000e-005	4.4000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1068	0.1068	0.0000	0.0000	0.1069

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.516452	0.033212	0.173817	0.123150	0.022816	0.005352	0.027555	0.088301	0.001837	0.001119	0.004633	0.000845	0.000911

5.0 Energy Detail

Historical Energy Use: N

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5.2 Energy by Land Use - Natural Gas

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1242					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1242					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1242					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1242					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

7.0 Water Detail

CLIBP Phase 1A Water Supply - Stanislaus County, Annual

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

CLIBP Phase 1A Water Supply - Stanislaus County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

CLIBP Phase 1A Water Supply - Stanislaus County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

CLIBP Phase 1A Water Supply - Stanislaus County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	0	50	400	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (300 - 600 HP)	0.0164	0.0459	0.0418	8.0000e-005		2.4100e-003	2.4100e-003		2.4100e-003	2.4100e-003	0.0000	7.6159	7.6159	1.0700e-003	0.0000	7.6426
Total	0.0164	0.0459	0.0418	8.0000e-005		2.4100e-003	2.4100e-003		2.4100e-003	2.4100e-003	0.0000	7.6159	7.6159	1.0700e-003	0.0000	7.6426

11.0 Vegetation

Crows Landing Groundwater Extraction and Monitoring Wells, Pipeline & Booster Pump Station - NEPA Narrative
Operational GHG Emissions

Facility/Component	Fuel/Type	Horsepower	kW	Quantity	Hrs/yr/pump	kWh/yr	MWh/yr	MT CO ₂ e
Pump	Electric	150	111.86	2	8,760	1,959,700	1,959.70	183.11
Pump	Electric	50	37.29	1	8,760	326,617	326.62	30.52

Facility/Component	MT CO ₂ e
Backup Generator	10.24
Energy (on-site lighting)	8.12
Area Sources	0.00061

Total Annual GHG Emissions (MT CO ₂ e)	232
---------------------------------------------------	-----

Notes:

kW = kilowatts; yr = year; kWh = kilowatt-hours; MWh = megawatt-hours; MT CO₂e = metric tons carbon dioxide equivalents

Pumps assumed to operate 24 hours per day; pump sizes based on Phase 1A design criteria. Standby pumps assumed to not operate concurrently with primary pumps. Small pump is equipped with motor to accomodate future phase flows.

Backup generator, on-site energy, and area sources estimated using CalEEMod.

PG&E Carbon Intensity 0.093 metric tons CO₂e per MWh

Assumes pumps operate 24 hrs/day, 365 days/year 8,760

Source: PG&E 2019 Corporate Responsibility and Sustainability Report: 206 lbs CO₂e/MWh. Available at:

http://www.pgecorp.com/corp_responsibility/reports/2019/assets/PGE_CRSR_2019.pdf

Unit Conversions	
hp	kW
1	0.7457
MWh	kWh
1	1000
MT	ton
1	1.102311
ton	pounds
1	2000
yr	days
1	365

Appendix C

Aquatic Resources Delineation Report and
Special-Status Plant Survey Memorandum

Aquatic Resources Delineation

Crows Landing Industrial Business Park Phase 1A Fink Road Corridor Project

Stanislaus County, California

Prepared For:

County of Stanislaus
Department of Public Works

February 18, 2020

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LIST OF ACRONYMS AND ABBREVIATIONS

CARI	California Aquatic Resource Inventory
CDEC	California Data Exchange Center
CFR	Code of Federal Regulations
CWA	Clean Water Act
CWR	Clean Water Rule
FR	Federal Register
GPS	Global Positioning System
NRCS	Natural Resources Conservation Service
OHWM	Ordinary high-water mark
ORM	USACE Operations and Maintenance Business Information Link Regulatory Module
PJD	Preliminary Jurisdictional Determination
SFEI	San Francisco Estuary Institute
Study Area	Crows Landing Industrial Business Park Project
TNW	Traditional Navigable Waters
USACE	U.S. Army Corps of Engineers
USEPA	U.S. Environmental Protection Agency
USGS	U.S. Geological Survey
WRCC	Western Regional Climate Center

1.0 INTRODUCTION

On behalf of the Stanislaus County Department of Public Works, ECORP Consulting, Inc. conducted an aquatic resources delineation for the ±149-acre Phase 1A Fink Road Corridor portion of the Crows Landing Industrial Business Park Project (Study Area) located in Stanislaus County, California. The Study Area is located east of Interstate 5, east of Davis Road, north of Fink Road, west of Bell Road, and south of West Ike Crow Road. The Study Area consists of the ±103-acre portion southwest of the Delta-Mendota Canal, the ±29-acre portion northeast of the canal, and a ±2.1-mile stretch of Fink Road (Figure 1. *Study Area Location and Vicinity*). The Delta-Mendota Canal was not included in this Study Area.

The Study Area corresponds to portions of Section 20, 21, and 22, Township 6 South, and Range 8 East (Mount Diablo Base and Meridian) of the "Crows Landing, California" 7.5-minute quadrangle (U.S. Geological Survey [USGS] 1952, photorevised 1980). The approximate center of the Study Area is located at 30.393976° latitude and -121.111395° longitude within the Lower San Joaquin Watershed (Hydrologic Unit Code #18020002, Natural Resources Conservation Service [NRCS], USGS, and U.S. Environmental Protection Agency [USEPA] 2016).

Driving directions to the Study Area are included as Attachment A.

This report describes aquatic resources identified within the Study Area that may be regulated by the U.S. Army Corps of Engineers (USACE) pursuant to Section 404 of the federal Clean Water Act (CWA). The information presented in this report provides data required by the USACE Sacramento District's Minimum Standards for Acceptance of Aquatic Resources Delineation Reports (USACE 2016a). The aquatic resource boundaries depicted in this report represent a calculated estimation of the jurisdictional area within the Study Area and are subject to modification following the USACE verification process.

The purpose of this report is to provide adequate information to USACE for the issuance of a Preliminary Jurisdictional Determination (PJD).

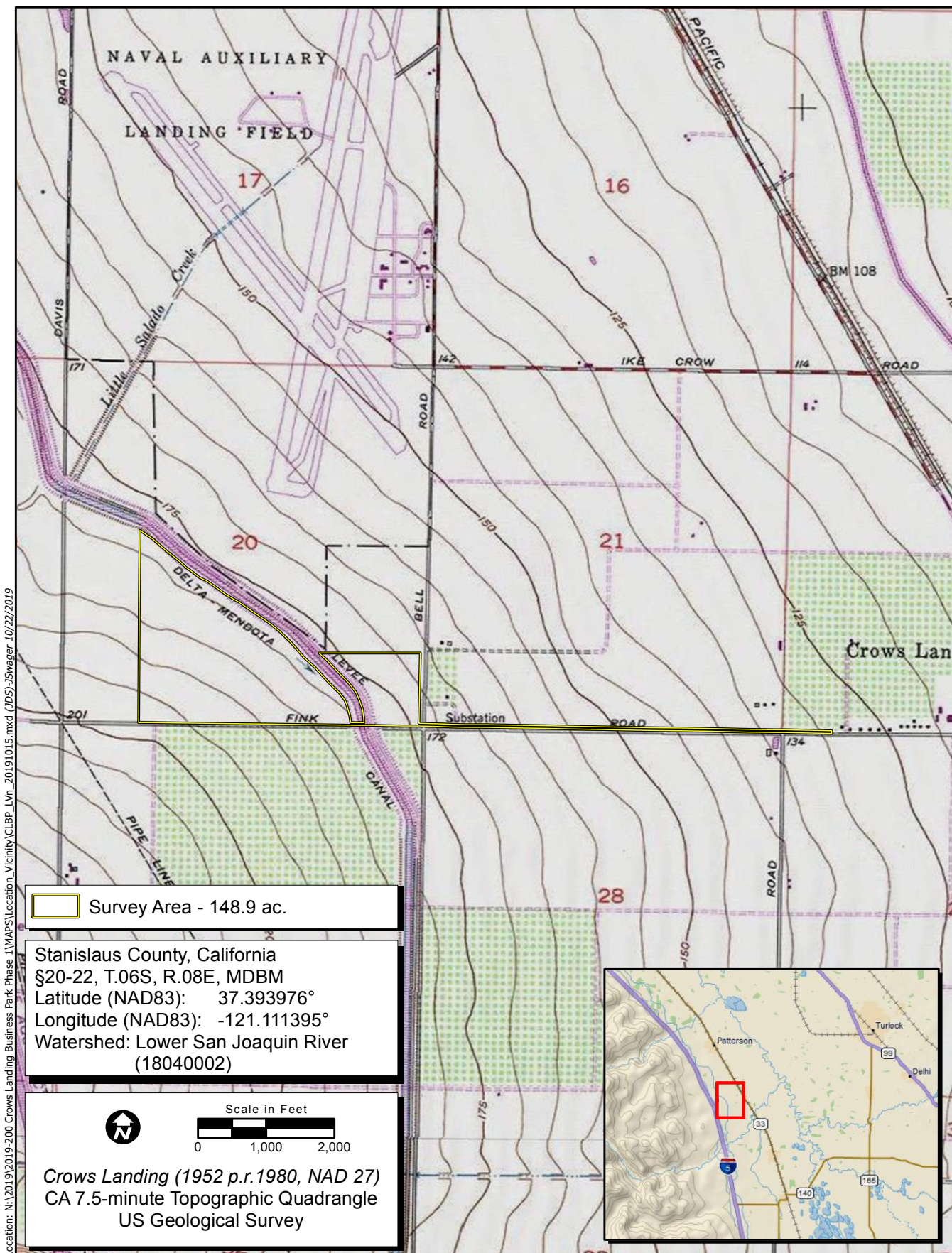
2.0 REGULATORY SETTING

2.1 Waters of the United States

This report describes aquatic resources, including wetlands, that may be regulated by USACE under Section 404 of the federal CWA. The following sections define these regulations.

2.1.1 Wetlands

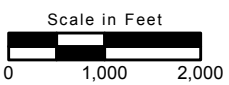
Wetlands are "those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions" (51 Federal Register [FR] 41250, Nov. 13, 1986, as amended at 58 FR 45036, Aug. 25, 1993). Wetlands can be perennial or intermittent.



Location: N:\2019\2019-200 Crows Landing Business Park Phase 1\MAPS\Location_Vicinity\CLBP_Lvn_20191015.mxd (JDS)\Svager 10/22/2019

Survey Area - 148.9 ac.

Stanislaus County, California
 §20-22, T.06S, R.08E, MDBM
 Latitude (NAD83): 37.393976°
 Longitude (NAD83): -121.111395°
 Watershed: Lower San Joaquin River
 (18040002)



Crows Landing (1952 p.r. 1980, NAD 27)
 CA 7.5-minute Topographic Quadrangle
 US Geological Survey

Map Date: 10/22/2019
 Sources: ESRI, USGS, Wood Rodgers

Figure 1. Study Area Location and Vicinity

2019-200 Crows Landing Business Park Phase 1

2.1.2 Other Waters

Other waters are nontidal, perennial, and intermittent watercourses and tributaries to such watercourses (51 FR 41250, Nov. 13, 1986, as amended at 58 FR 45036, August 25, 1993). The limit of USACE jurisdiction for nontidal watercourses (without adjacent wetlands) is defined in 33 Code of Federal Regulations (CFR) 328.4(c)(1) as the "ordinary high-water mark" (OHWM). The OHWM is defined as the "line on the shore established by the fluctuations of water and indicated by physical characteristics such as clear, natural line impressed on the bank, shelving, changes in the character of soil, destruction of terrestrial vegetation, the presence of litter and debris, or other appropriate means that consider the characteristics of the surrounding areas" approximation of the lateral limit of USACE jurisdiction. The upstream limits of other waters are defined as the point where the OHWM is no longer perceptible.

2.2 Clean Water Act

The USACE regulates discharge of dredged or fill material into Waters of the U.S. under Section 404 of the CWA. "Discharges of fill material" is defined as the addition of fill material into Waters of the U.S., including, but not limited to, the following: placement of fill necessary for the construction of any structure, or impoundment requiring rock, sand, dirt, or other material for its construction; site-development fills for recreational, industrial, commercial, residential, and other uses; causeways or road fills; and fill for intake and outfall pipes, and subaqueous utility lines (33 CFR § 328.2(f)). In addition, Section 401 of the CWA (33 U.S. Code 1341) requires any applicant for a federal license or permit to conduct any activity that may result in a discharge of a pollutant into Waters of the U.S. to obtain a certification that the discharge will comply with the applicable effluent limitations and water quality standards.

Substantial impacts to wetlands (over 0.5 acre of impact) may require an individual permit. Projects that only minimally affect wetlands (less than 0.5 acre of impact) may meet the conditions of one of the existing Nationwide Permits. A Water Quality Certification or waiver pursuant to Section 401 of the CWA is required for Section 404 permit actions; this certification or waiver is issued by the Regional Water Quality Control Board.

2.3 Jurisdictional Assessment

The Clean Water Rule (CWR) was published in June 2015, but implementation of the rule was stayed until September 2018. As of 2018 the CWR is in effect for 22 states, including California, the District of Columbia, and the U.S. territories. The CWR establishes categories of waters that are jurisdictional, waters that are excluded, and waters that require a case-specific significant nexus evaluation to determine if they are Waters of the U.S. By rule, the CWR defines Waters of the U.S. to include Traditional Navigable Waters (TNW), interstate waters, and territorial seas; impoundments of jurisdictional waters; and tributaries and adjacent (i.e., bordering, contiguous, or neighboring) waters to TNW, interstate waters, or territorial seas (USACE and USEPA 2015).

According to the CWR, neighboring is defined as waters located within 100 feet of the OHWM of a jurisdictional feature, within the 100-year floodplain of a jurisdictional feature, and within 1,500 feet of the

feature, or within 1,500 feet of the high tide line of TNW, interstate water, or territorial sea. Western vernal pools in California and several other location-specific aquatic feature types are evaluated on a case-by-case basis to determine whether they have a significant nexus to TNW, interstate waters, or territorial seas (USACE and USEPA 2015).

Feature types that are categorically excluded from CWA jurisdiction include waste treatment systems; prior converted cropland; ditches with intermittent or ephemeral flow that are not relocated tributaries or excavated in a tributary; ditches that do not flow, directly or indirectly, into a jurisdictional water; artificially irrigated areas that would revert to dry land in the absence of irrigation, artificial, constructed lakes or ponds created by excavating and/or diking dry land; small ornamental waters; artificial reflecting or swimming pools created by excavating and/or diking dry land; water-filled depressions created in dry land incidental to mining or construction activities; erosional features such as gullies, rills, and other ephemeral features that do not meet the definition of tributary; non-wetland swales; lawfully constructed grassed waterways; and puddles (USACE and USEPA 2015).

At this time (October 2019), the Final Rule repealing the CWR has been published with an effective date of December 23, 2019 (USACE and USEPA 2019). Until that effective date, the CWR remains in effect.

3.0 METHODS

This aquatic resources delineation was conducted in accordance with the *Corps of Engineers Wetlands Delineation Manual* (Environmental Laboratory 1987) and the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region* (Arid West Region Supplement) (USACE 2008a). The boundaries of aquatic resources were delineated through standard field methods (e.g., paired sample set analyses) and aerial photograph interpretation. Field data were recorded on Wetland Determination Data Forms - Arid West Region (Attachment B). A color aerial Google Earth® imagery (photo date: September 20, 2018) was used to assist with mapping and ground-truthing. *Munsell Soil Color Charts* (Munsell Color 2009) and the Web Soil Survey (NRCS 2019a) were used to aid in identifying hydric soils in the field. The Jepson Manual, 2nd Edition (Baldwin et al. 2012) was used for plant nomenclature and identification.

The field survey was conducted on September 24, 2019 by ECORP biologist Keith Kwan. Mr. Kwan walked meandering transects through the Study Area to determine the location and extent of aquatic resources. Paired locations were sampled to evaluate whether or not the vegetation, hydrology, and soils data supported an aquatic resource determination. At each paired location, one point was located such that it was within the estimated aquatic resource area, and the other point was situated outside the limits of the estimated aquatic resource area. Aquatic resources within the Study Area were recorded in the field using a post-processing capable Global Positioning System (GPS) unit with sub-meter accuracy (Apple iPad, Collector for ArcGIS app with EOS Arrow 100 submeter GPS unit with real-time correction).

3.1 Routine Determinations for Wetlands

To be determined a wetland, the following three criteria must be met:

- A majority of dominant vegetation species are wetland-associated species.
- Hydrologic conditions exist that result in periods of flooding, ponding, or saturation during the growing season.
- Hydric soils are present.

3.1.1 Vegetation

Hydrophytic vegetation is defined as the sum total of macrophytic plant life that occurs in areas where the frequency and duration of inundation or soil saturation produce permanent or periodically saturated soils of sufficient duration to exert a controlling influence on the plant species present (Environmental Laboratory 1987). The definition of wetlands includes the phrase "*a prevalence of vegetation typically adapted for life in saturated soil conditions.*" Prevalent vegetation is characterized by the dominant plant species comprising the plant community (Environmental Laboratory 1987). The dominance test is the basic hydrophytic vegetation indicator and was applied at each sampling point location. The "50/20 rule" was used to select the dominant plant species from each stratum of the community. The rule states that for each stratum in the plant community, dominant species are the most abundant plant species (when ranked in descending order of coverage and cumulatively totaled) that immediately exceed 50 percent of the total coverage for the stratum, plus any additional species that individually comprise 20 percent or more of the total cover in the stratum (USACE 1992, 2008a).

Dominant plant species observed at each sampling point were then classified according to their indicator status (probability of occurrence in wetlands, Table 1), *North American Digital Flora: National Wetland Plant List* (Lichvar et al. 2016; Lichvar et al. 2018). If the majority (more than 50 percent) of the dominant vegetation on a site are classified as obligate (OBL), facultative wetland (FACW), or facultative (FAC), the site was considered to be dominated by hydrophytic vegetation.

Plant Species Classification	Abbreviation	Probability of Occurring in Wetland
Obligate	OBL	Almost always occur in wetlands
Facultative Wetland	FACW	Usually occur in wetlands, but may occur in non-wetlands
Facultative	FAC	Occur in wetlands and non-wetlands
Facultative Upland	FACU	Usually occur in non-wetlands, but may occur in wetlands
Upland	UPL	Almost never occur in wetlands
Plants That Are Not Listed (assumed upland species)	N/L	Does not occur in wetlands in any region.

¹Source: Lichvar et al. 2016

In instances where indicators of hydric soil and wetland hydrology were present, but the plant community failed the dominance test, the vegetation was re-evaluated using the Prevalence Index. The Prevalence Index is a weighted-average wetland indicator status of all plant species in the sampling plot, where each

indicator status category is given a numeric code (OBL=1, FACW=2, FAC=3, FACU=4, and UPL=5) and weighting is by abundance (percent cover). If the plant community failed the Prevalence Index, the presence/absence of plant morphological adaptations to prolonged inundation or saturation in the root zone was evaluated.

3.1.2 Soils

A hydric soil is defined as a soil that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (NRCS 2003). Indicators that a hydric soil is present include, but are not limited to, histosols, histic epipedon, hydrogen sulfide, depleted below dark surface, sandy redox, loamy gleyed matrix, depleted matrix, redox dark surface, redox depressions, and vernal pools.

At each sampling point a soil pit was excavated to the depth needed to document an indicator, to confirm the absence of indicators, or until refusal at each sampling point. The soil was then examined for hydric soil indicators. Soil colors were determined while the soil was moist using the *Munsell Soil Color Charts* (Munsell Color 2009). Hydric soils are formed predominantly by the accumulation or loss of iron, manganese, sulfur, or carbon compounds in a saturated and anaerobic environment. These processes and the features in the soil that develop can be identified by looking at the color and texture of the soils.

3.1.3 Hydrology

Wetlands, by definition, are seasonally or perennially inundated or saturated at or near (within 12 inches of) the soil surface. Primary indicators of wetland hydrology include, but are not limited to, visual observation of saturated soils, visual observation of inundation, surface soil cracks, inundation visible on aerial imagery, water-stained leaves, oxidized rhizospheres along living roots, aquatic invertebrates, water marks (secondary indicator in riverine environments), drift lines (secondary indicator in riverine environments), and sediment deposits (secondary indicator in riverine environments). The occurrence of one primary indicator is sufficient to conclude that wetland hydrology is present. If no primary indicators are observed, two or more secondary indicators are required to conclude wetland hydrology is present. Secondary indicators include, but are not limited to, drainage patterns, crayfish burrows, FAC-neutral test, and shallow aquitard.

3.2 Ordinary High-Water Mark/Non-Wetland Waters

The discussion in this section briefly summarizes *A Field Guide to the Identification of the Ordinary High-Water Mark (OHWM) in the Arid West Region of the Western United States* (USACE 2008b). OHWM indicators commonly found in the Arid West include a clear natural scour line impressed on the bank, recent bank erosion, destruction of native terrestrial vegetation, and the present of litter and debris. Resources needed to delineate OHWM include aerial photography and other imagery, topographic maps and other maps (e.g., geological, soil, vegetation), rainfall data, stream gage data, and existing delineations (if present). Field identification of the OHWM includes noting general impression of the vegetation species and distribution, geomorphic features present, surrounding upland land use, and hydrologic alterations and in-stream and floodplain structures. In the field, the process of delineating the

OHWB includes the identification of a low-flow channel (if present), a transition to an active floodplain, and an active floodplain through the presence of geomorphic features (e.g., presence of an active floodplain, benches, break in bank slope, staining of rocks, litter, or drift) and vegetation indicators (e.g., presence of sparse/low vegetation, annual herbs, hydromesic ruderals, pioneer tree seedlings and saplings, xeroriparian species).

3.3 Weather Conditions During Survey

Weather conditions for the survey were ideal, with clear skies, wind from 0 to 10 miles per hour and temperatures ranging from 80 to 90 degrees Fahrenheit (°F).

3.4 Limitations of the Survey

None

4.0 RESULTS

4.1 Existing Site Conditions

The Study Area is located in a relatively flat agricultural setting and is situated at an elevational range of approximately 125 to 200 feet above mean sea level on the west side of the San Joaquin Valley Subregion of the Great Central Valley floristic region of California (Baldwin et. al. 2012). For the Modesto City Co Ap, California (045738) reporting station approximately 15 miles northeast of the Study Area, the average minimum low temperature is 37.6°F in January, and the average maximum high temperature is 94.3°F in July. Average annual precipitation is 12.21 inches of rain for the period from 1906 to 2016 (Western Regional Climate Center [WRCC] 2019).

The farmed portions of the Study Area are leveled fields and appear to have been planted for grain or hay crops. The western field appears to have been fallow and is made up of weedy native and non-native plants including shortpod mustard (*Hirschfeldia incana*), yellow star-thistle (*Centaurea solstitialis*), Canada horseweed (*Erigeron canadensis*), oats (*Avena* sp.), and prickly lettuce (*Lactuca serriola*). The Delta-Mendota Canal, with elevated levee banks, bisects the farmed fields within the Study Area. The canal was not included in this survey. The eastern farm field appears to have been recently farmed for wheat (*Triticum aestivum*) as stubble is prevalent throughout the eastern field but is also dominated by shortpod mustard, prickly lettuce, and oats.

One wetland was delineated in the western field and two problematic wet areas, one in each field, were identified. These areas are discussed in detail in the section describing potential Waters of the U.S.

The surrounding lands include leveled farmland, orchards, fallow pastures, a non-operational airport runway, and scattered rural residences. The community of Crows Landing is located approximately 1.5 miles east of the Study Area.

This aquatic resources delineation was conducted in the summer, towards the end of the blooming season for most plant species. The survey was conducted at an acceptable time of the year to observe

wetland hydrology, and a few wetland plant species were in bloom at the time of the survey. Most plants were identifiable to species based upon flowers, vegetative, and/or fruit morphology. For the 2018-2019 water year-to-date leading up to the field survey (October 1, 2019-September 24, 2019), a total of 13.62 inches of precipitation was recorded at the Westley (WWS) reporting station (California Data Exchange Center [CDEC] 2019), located approximately 11 miles north of the Study Area. The last recorded precipitation event for this region prior to the field survey was 0.15 inch on September 16, 2019 (CDEC 2019).

4.1.1 California Aquatic Resource Inventory

The California Aquatic Resource Inventory (CARI, San Francisco Estuary Institute [SFEI] 2017) is a statewide map of surface waters and related habitats combining multiple national and regional datasets, including the National Wetlands Inventory and the National Hydrography Dataset. CARI includes aquatic resource features mapped using a variety of remote sensing and modeling techniques. As such, these aquatic features may or may not exist as represented. In addition, CARI data varies in detail, accuracy, and age, and is meant to be used as a tool to assist with an aquatic resource delineation but not as the only source of information (SFEI 2017).

A Depressional Seasonal Unnatural Non-vegetated features was mapped south of Fink Road in the western portion of the Survey Area (Figure 2. *California Aquatic Resources Inventory*). This feature appears to have been an agricultural detention pond but is no longer present. This area is now part of an orchard, with no evidence of a pond. There are no other previously mapped aquatic features in the CARI database (SFEI 2017).

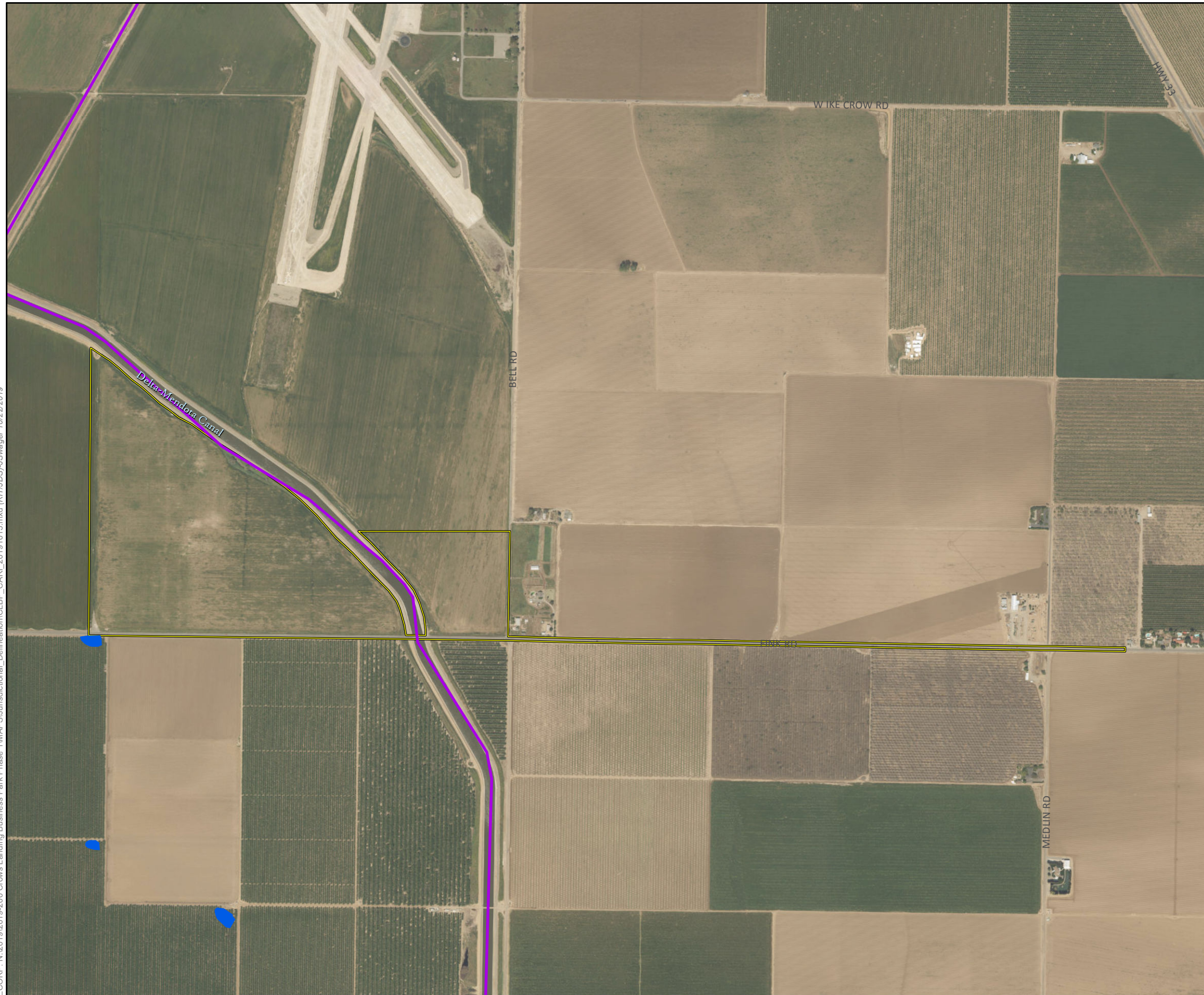
4.1.2 Soils

According to the Web Soil Survey (NRCS 2019a), five soil units, or types, have been mapped within the Study Area (Figure 3. *Natural Resources Conservation Service Soil Types*):

- 102 – Capay clay, 0 to 1 percent slopes, loamy substratum, MLRA 17.
- 120 – Vernalis-Zacharias complex, 0 to 2 percent slopes.
- 122 – Vernalis loam, 0 to 2 percent slopes.
- 125 – Vernalis clay loam, 0 to 2 percent slopes.
- 130 – Stomar clay loam, 0 to 2 percent slopes.

None of these soil units contain hydric components and none are considered hydric (NRCS 2019b).

ECORP: N:\2019\2019-200 Crows Landing Business Park Phase 1\MAPS\Jurisdictional_Delineation\CLBP_CARI_20191015.mxd (KIT/UDS)-Jswager 10/22/2019



Map Features

Survey Area - 148.9 ac.

CARI Features

Fluvial Unnatural

Depressional Seasonal Unnatural Non-vegetated

California Aquatic Resources Inventory (CARI)
Version 0.3, December 2017

Sources: ESRI/Stanislaus County 2017, Wood Rodgers, CARI

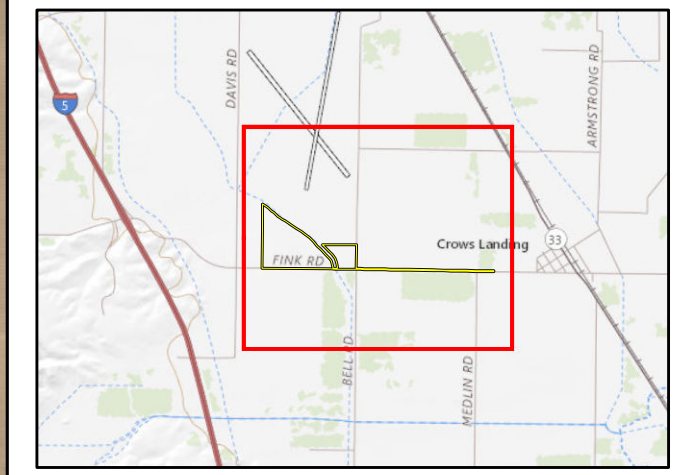


Figure 2. California Aquatic Resources Inventory
 2019-200 Crows Landing Business Park Phase 1

ECORP: N:\2019\2019-200 Crows Landing Business Park Phase 1\MAPS\Soils_and_Geology\CLBP_Soils_gSSURGO_20191015.mxd (KIT/UDS)-Jswager 10/22/2019



Map Features

Survey Area - 148.9 ac.

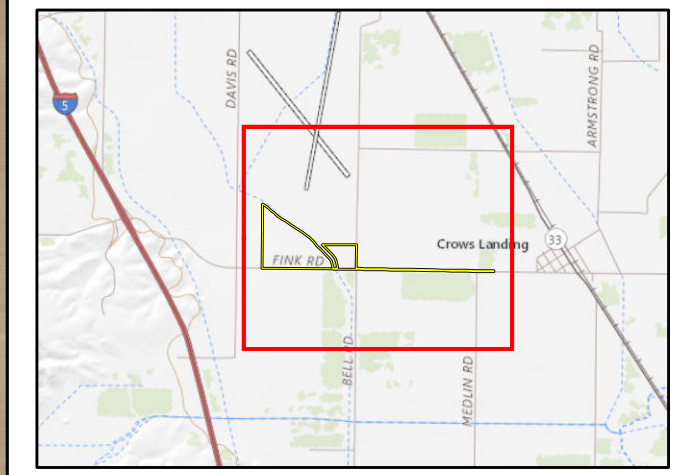
NRCS Soil Types within Survey Area

Series Code - Series Name

- 102 - Capay clay, 0 to 1 percent slopes, loamy substratum, MLRA 17
- 120 - Vernalis-Zacharias complex, 0 to 2 percent slopes
- 122 - Vernalis loam, 0 to 2 percent slopes
- 125 - Vernalis clay loam, 0 to 2 percent slopes
- 130 - Stomar clay loam, 0 to 2 percent slopes

Natural Resources Conservation Service (NRCS) Soil Survey Geographic (gSSURGO) Database for Stanislaus County, CA

Sources: ESRI/Stanislaus County 2017, Wood Rodgers, NRCS



4.2 Aquatic Resources

A total of 0.007 acre of aquatic resources have been mapped within the Study Area (Table 2). The wetland determination data forms are included as Attachment B, and a list of plant species observed within the Study Area is included as Attachment C. A discussion of the aquatic resources is presented below, and the aquatic resources delineation map is presented on Figure 4. *Aquatic Resources Delineation Overview* and Figure 5. *Aquatic Resources Delineation*.

Representative site photographs are included as Attachment D. The USACE Operations and Maintenance Business Information Link Regulatory Module (ORM) aquatic resources table of potential Waters of the U.S. is included in Attachment E.

Table 2. Aquatic Resources	
Type	Acreage ¹
Wetlands	
Seasonal Marsh	0.007
Other Waters	
none	-
Total	0.007

¹Acreages represent a calculated estimation and are subject to modification following the USACE verification process.

4.2.1 Wetlands

Seasonal Marsh

A seasonal marsh was mapped along the northern edge of the Study Area abutting the Delta-Mendota Canal. At the time of the field survey, a small trickle of water was flowing into this area through a culvert from an unknown sources. There was almost no surface flow as the water immediately percolated into the farmed field once daylighting from the culvert. Sample point 1 was taken within this wetland.

The dominant plant species found within this wetland was smartweed (FACW; *Persicaria* spp.). The hydrophytic vegetation criterion was met through passage of the dominance test. The soil matrix color within this wetland was 10YR3/2 with redox features colored 7.5YR4/6. The soil was considered hydric based on the presence of the redox dark surface indicator. Hydrologic indicators found within the wetland included surface water and soil saturation to the surface.

4.2.2 Problematic Areas

There are two areas within the Study Area that support wetland vegetation and hydrology but did not have hydric soil; as such, they were not considered wetlands. Field conditions at these locations have been documented in sample points 3, 4, 5, and 6.



Map Features

- Survey Area - 148.9 ac.
- Reference Coordinate (NAD83)

Sample Points

- Upland Point
- Waters Point

Aquatic Resources (0.007 ac.)¹ *

Other Waters (0.007 ac.)

- Seasonal Marsh (0.007 ac.)

Photo Source: ESRI/Stanislaus County 2017
 Boundary Source: Wood Rodgers
 Delineator(s): K.Kwan
 Coordinate System: NAD 1983 StatePlane California III FIPS 0403 Feet

¹ Subject to U.S. Army Corps of Engineers verification. This exhibit depicts information and data produced in accord with the wetland delineation methods described in the 1987 Corps of Engineers Wetland Delineation Manual and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region Version 2.0 as well as the Updated Map and Drawing Standards for the South Pacific Division Regulatory Program as amended on February 10, 2016, and conforms to Sacramento District specifications. However, feature boundaries have not been legally surveyed and may be subject to minor adjustments if more accurate locations are required.
 * The acreage value for each feature has been rounded to the nearest 1/1000 decimal. Summation of these values may not equal the total potential Waters of the U.S. acreage reported.

ECORP: N:\2019\2019-200 Crows Landing Business Park Phase 1\MAPS\Jurisdictional_Delineation\CLBP_ARL_20191015_Overview.mxd (KIT/JDS)-Jswager 10/21/2019

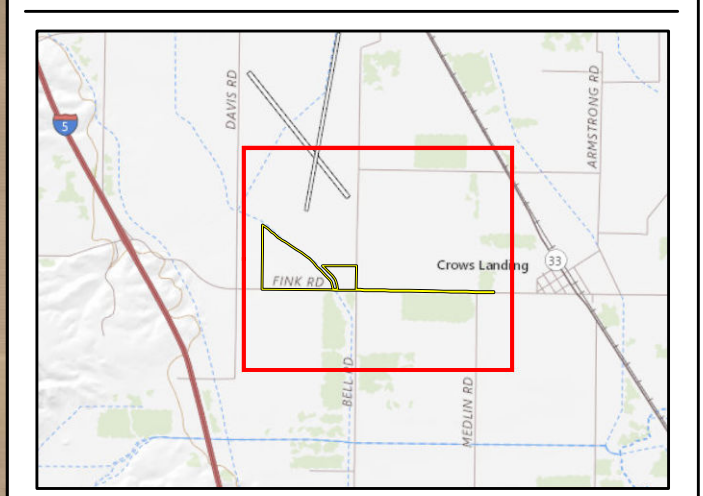


Figure 4. Aquatic Resources Delineation Overview
 2019-200 Crows Landing Business Park Phase 1



Map Features

Survey Area - 148.9 ac.

Sample Points

Upland Point

Waters Point

Aquatic Resources (0.007 ac.) ¹ *

Other Waters (0.007 ac.)

Seasonal Marsh (0.007 ac.)

Photo Source: ESRI/Stanislaus County 2017

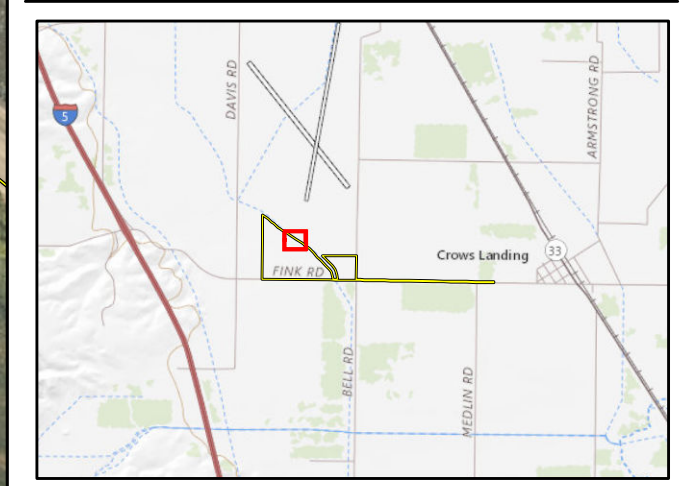
Boundary Source: Wood Rodgers

Delineator(s): K.Kwan

Coordinate System: NAD 1983 StatePlane California III FIPS 0403 Feet

¹ Subject to U.S. Army Corps of Engineers verification. This exhibit depicts information and data produced in accord with the wetland delineation methods described in the 1987 Corps of Engineers Wetland Delineation Manual and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region Version 2.0 as well as the Updated Map and Drawing Standards for the South Pacific Division Regulatory Program as amended on February 10, 2016, and conforms to Sacramento District specifications. However, feature boundaries have not been legally surveyed and may be subject to minor adjustments if more accurate locations are required.

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ECORP: N:\2019\2019-200 Crows Landing Business Park Phase 1\MAPS\Jurisdictional_Delineation\CLBP_ARC_20191015_Detail.mxd (KIT/IDS)-Jswager 10/21/2019

Map Date: 10/21/2019

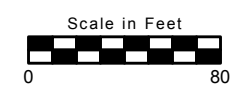


Figure 5. Aquatic Resources Delineation Detail

The site conditions at sample points 3 and 4 appear to be the direct result of seepage from the Delta-Mendota Canal. This location clearly shows the dominance of hydrophytic vegetation and the presence of wetland hydrology. However, the absence of hydric soil could be an indication that the seepage is a relatively recent development or an irregular/intermittent occurrence. In addition, sample point 3 is not located in a topographic low or concave landscape that would be expected of a "natural" wetland feature. Further, natural seeps or springs are typically not found in this landscape.

Sample points 5 and 6 were taken in a location where an irrigation standpipe valve is leaking water. This location supported a dominance of wetland vegetation and exhibits wetland hydrology but does not have hydric soils. The hydrology of this area is the direct result of leaks in the irrigation pipes. The absence of hydric soil indicates that the wet conditions are a recent development or an intermittent sporadic event and not a permanent condition that has persisted for a long period.

5.0 JURISDICTIONAL ASSESSMENT

As per Regulatory Guidance Letter 16-01, an applicant may request a PJD "in order to move ahead expeditiously to obtain a Corps permit authorization where the requestor determines *that it is in his or her best interest to do so ... even where initial indications are that the aquatic resources on a parcel may not be jurisdictional*" (USACE 2016b). A significant nexus evaluation is not necessary to obtain a PJD.

The seasonal marsh delineated within the Study Area abuts the Delta-Mendota Canal but does not appear to have a surface connection with an existing TNW. TNWs in this region include the San Joaquin River. A significant nexus evaluation may need to be conducted in order to determine if this wetland is a water of the U.S.

6.0 CONCLUSION

A total of 0.007 acre of aquatic resources have been mapped within the Study Area. This acreage represents a calculated estimation of the extent of aquatic resources within the Study Area and is subject to modification following USACE review and/or the verification process. The placement of dredged or fill material into jurisdictional features would require a permit pursuant to Section 404 of the CWA and certification or waiver in compliance with Section 401 of the CWA.

7.0 REFERENCES

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LIST OF ATTACHMENTS

Attachment A – Driving Directions to Study Area

Attachment B – Wetland Determination Data Forms - Arid West Region

Attachment C – Plants Observed Onsite

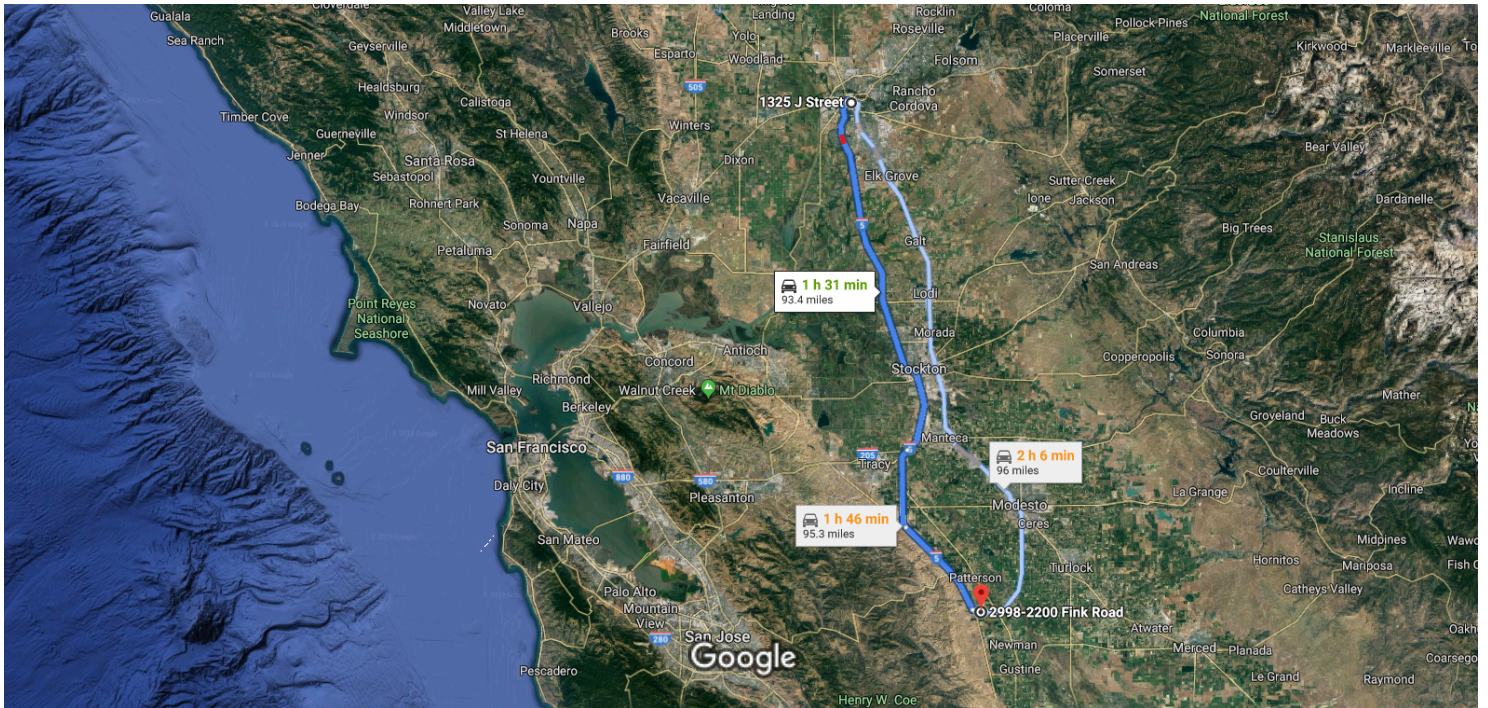
Attachment D – Representative Site Photographs

Attachment E – USACE ORM Aquatic Resources Table

Attachment F – Wetland Delineation Shape File (to be included with USACE submittal only)

ATTACHMENT A

Driving Directions to Study Area



Imagery ©2019 Landsat / Copernicus, Data MBARI, Data SIO, NOAA, U.S. Navy, NGA, GEBCO, Data LDEO-Columbia, NSF, NOAA, Imagery ©2019 TerraMetrics, Map data ©2019 Google 10 mi

1325 J St


Sacramento, CA 95814



Get on I-5 S from I St

- 4 min (1.1 mi)
- ↑ 1. Head west on Improv Alley toward 13th St
- 197 ft
- 2. Turn right onto 13th St
- 200 ft
- ↶ 3. Turn left at the 1st cross street onto I St
- 0.7 mi
- 4. Use the middle lane to follow signs for CA-99 S/I-80 BUS S/W Sacramento/I-5 S
- 295 ft
- ⤴ 5. Use the left lane to take the CA-99 S/I-5 S ramp to I-80 BUS S
- 0.2 mi

Follow I-5 S to Fink Rd in Stanislaus County. Take exit 428 from I-5 S

- 1 h 21 min (90.8 mi)
- ⤴ 6. Merge onto I-5 S
- 60.6 mi
- ↶ 7. Keep left at the fork to stay on I-5 S
- 12.9 mi
- 8. I-5 S turns slightly right and becomes I-5 S
- 17.1 mi

 9. Take exit 428 toward Crows Landing
0.2 mi

 10. Turn left onto Fink Rd
 Destination will be on the right
2 min (1.5 mi)

2998-2200 Fink Rd

Newman, CA 95360

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

ATTACHMENT B

Wetland Determination Data Forms - Arid West Region

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Crows Landing/Phase 1A Fink Road Corridor City/County: Stanislaus Sampling Date: 9/24/2019
 Applicant/Owner: County of Stanislaus State: CA Sampling Point: 1
 Investigator(s): K. Kwan Section, Township, Range: sec. 20, T. 6 S., R. 8 E.
 Landform (hillslope, terrace, etc.): excavated ag ditch Local relief (concave, convex, none): concave Slope (%): 1
 Subregion (LRR): C Lat: 37.3962927 Long: -121.1126213 Datum: NAD83
 Soil Map Unit Name: 102 Capay clay, 0 to 1 percent slopes, loamy substratum, MLRA 17 NWI classification: _____
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____ Hydric Soil Present? Yes <input checked="" type="checkbox"/> No _____ Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No _____
Remarks: excavated ditch with water flowing in through a culvert, could be a siphon or from Delta Mendota Canal	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status																																																																																																						
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)																																																																																																					
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SOIL

Sampling Point: 1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-12	10YR3/2	80	7.5YR4/6	20	c	m	silty clay	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5) (**LRR C**)
- 1 cm Muck (A9) (**LRR D**)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- Sandy Gleyed Matrix (S4)

- Sandy Redox (S5)
- Stripped Matrix (S6)
- Loamy Mucky Mineral (F1)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)
- Vernal Pools (F9)

Indicators for Problematic Hydric Soils³:

- 1 cm Muck (A9) (**LRR C**)
- 2 cm Muck (A10) (**LRR B**)
- Reduced Vertic (F18)
- Red Parent Material (TF2)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):

Type: _____
 Depth (inches): _____

Hydric Soil Present? Yes No

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- Surface Water (A1)
- High Water Table (A2)
- Saturation (A3)
- Water Marks (B1) (**Nonriverine**)
- Sediment Deposits (B2) (**Nonriverine**)
- Drift Deposits (B3) (**Nonriverine**)
- Surface Soil Cracks (B6)
- Inundation Visible on Aerial Imagery (B7)
- Water-Stained Leaves (B9)

- Salt Crust (B11)
- Biotic Crust (B12)
- Aquatic Invertebrates (B13)
- Hydrogen Sulfide Odor (C1)
- Oxidized Rhizospheres along Living Roots (C3)
- Presence of Reduced Iron (C4)
- Recent Iron Reduction in Tilled Soils (C6)
- Thin Muck Surface (C7)
- Other (Explain in Remarks)

Secondary Indicators (2 or more required)

- Water Marks (B1) (**Riverine**)
- Sediment Deposits (B2) (**Riverine**)
- Drift Deposits (B3) (**Riverine**)
- Drainage Patterns (B10)
- Dry-Season Water Table (C2)
- Crayfish Burrows (C8)
- Saturation Visible on Aerial Imagery (C9)
- Shallow Aquitard (D3)
- FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes No Depth (inches): 10
 Water Table Present? Yes No Depth (inches): _____
 Saturation Present? Yes No Depth (inches): to surface
 (includes capillary fringe)

Wetland Hydrology Present? Yes No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Crows Landing/Phase 1A Fink Road Corridor City/County: Stanislaus Sampling Date: 9/24/2019
 Applicant/Owner: County of Stanislaus State: CA Sampling Point: 2
 Investigator(s): K. Kwan Section, Township, Range: sec. 20, T. 6 S., R. 8 E.
 Landform (hillslope, terrace, etc.): hillslope Local relief (concave, convex, none): none Slope (%): 50
 Subregion (LRR): C Lat: 37.3963386 Long: -121.1125859 Datum: NAD83
 Soil Map Unit Name: 102 Capay clay, 0 to 1 percent slopes, loamy substratum, MLRA 17 NWI classification: _____
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes _____ No <input checked="" type="checkbox"/> Hydric Soil Present? Yes _____ No <input checked="" type="checkbox"/> Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes _____ No <input checked="" type="checkbox"/>
Remarks: upland adjacent to sample point 1	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B)
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
_____ = Total Cover				Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____
Sapling/Shrub Stratum (Plot size: _____)				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	Hydrophytic Vegetation Indicators: ___ Dominance Test is >50% ___ Prevalence Index is ≤3.0 ¹ ___ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
_____ = Total Cover				
Herb Stratum (Plot size: <u>10'x10'</u>)				
1. <u>Silybum marianum</u>	75	yes	N/L	
2. <u>Hirschfeldia incana</u>	15	no	N/L	
3. <u>Bromus diandrus</u>	15	no	N/L	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
_____ = Total Cover				
Woody Vine Stratum (Plot size: _____)				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
_____ = Total Cover				
% Bare Ground in Herb Stratum <u>0</u>		% Cover of Biotic Crust <u>0</u>		

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Crows Landing/Phase 1A Fink Road Corridor City/County: Stanislaus Sampling Date: 9/24/2019
 Applicant/Owner: County of Stanislaus State: CA Sampling Point: 3
 Investigator(s): K. Kwan Section, Township, Range: sec. 20, T. 6., R 8 E.
 Landform (hillslope, terrace, etc.): leveled agricultural field Local relief (concave, convex, none): none Slope (%): 0
 Subregion (LRR): C Lat: 37.3939302 Long: -121.109118 Datum: NAD83
 Soil Map Unit Name: 122 Vernalis loam, 0 to 2 percent slopes NWI classification: _____

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes No _____
 Are Vegetation _____, Soil _____, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____ Hydric Soil Present? Yes _____ No <input checked="" type="checkbox"/> Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland? Yes _____ No <input checked="" type="checkbox"/>
Remarks: this area appears to be wet from seepage from Delta Mendota Canal; the absence of hydric soils could indicate that this condition is relatively recent development.	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
_____ = Total Cover				Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____
Sapling/Shrub Stratum (Plot size: _____)				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> Dominance Test is >50% <input type="checkbox"/> Prevalence Index is ≤3.0 ¹ <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
_____ = Total Cover				
Herb Stratum (Plot size: <u>10'x10'</u>)				
1. <u>Typha latifolia</u>	<u>50</u>	<u>yes</u>	<u>OBL</u>	
2. <u>Epilobium torreyi</u>	<u>10</u>	<u>no</u>	<u>FACW</u>	
3. <u>Epilobium brachycarpum</u>	<u>5</u>	<u>no</u>	<u>N/L</u>	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
_____ = Total Cover				
Woody Vine Stratum (Plot size: _____)				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
_____ = Total Cover				
% Bare Ground in Herb Stratum <u>35</u>		% Cover of Biotic Crust <u>0</u>		

Remarks:

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Crows Landing/Phase 1A Fink Road Corridor City/County: Stanislaus Sampling Date: 9/24/2019
 Applicant/Owner: County of Stanislaus State: CA Sampling Point: 4
 Investigator(s): K. Kwan Section, Township, Range: sec. 20, T. 6 S., R. 8 E.
 Landform (hillslope, terrace, etc.): leveled ag field Local relief (concave, convex, none): convex Slope (%): 1
 Subregion (LRR): C Lat: 37.3938987 Long: -121.1091525 Datum: NAD83
 Soil Map Unit Name: 122 Vernalis loam, 0 to 2 percent slopes NWI classification: _____

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes _____ No <input checked="" type="checkbox"/> Hydric Soil Present? Yes _____ No <input checked="" type="checkbox"/> Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes _____ No <input checked="" type="checkbox"/>
Remarks:	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B)
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
_____ = Total Cover				
Sapling/Shrub Stratum (Plot size: _____)				
1. _____	_____	_____	_____	Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
_____ = Total Cover				
Herb Stratum (Plot size: <u>10'x10'</u>)				
1. <u>Centaurea solstitialis</u>	<u>50</u>	<u>yes</u>	<u>N/L</u>	Hydrophytic Vegetation Indicators: ___ Dominance Test is >50% ___ Prevalence Index is ≤3.0 ¹ ___ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. <u>Hirschfeldia incana</u>	<u>20</u>	<u>yes</u>	<u>N/L</u>	
3. <u>Sorghum halepense</u>	<u>5</u>	<u>no</u>	<u>FACU</u>	
4. <u>Erigeron canadensis</u>	<u>5</u>	<u>no</u>	<u>FACU</u>	
5. <u>Bromus diandrus</u>	<u>25</u>	<u>yes</u>	<u>N/L</u>	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
_____ = Total Cover				
Woody Vine Stratum (Plot size: _____)				
1. _____	_____	_____	_____	Hydrophytic Vegetation Present? Yes _____ No <input checked="" type="checkbox"/>
2. _____	_____	_____	_____	
_____ = Total Cover				
% Bare Ground in Herb Stratum <u>0</u> % Cover of Biotic Crust <u>0</u>				

Remarks:

SOIL

Sampling Point: 4

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-16	10YR3/3	100					silt loam	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils ³ :
<input type="checkbox"/> Histosol (A1) <input type="checkbox"/> Histic Epipedon (A2) <input type="checkbox"/> Black Histic (A3) <input type="checkbox"/> Hydrogen Sulfide (A4) <input type="checkbox"/> Stratified Layers (A5) (LRR C) <input type="checkbox"/> 1 cm Muck (A9) (LRR D) <input type="checkbox"/> Depleted Below Dark Surface (A11) <input type="checkbox"/> Thick Dark Surface (A12) <input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depressions (F8) <input type="checkbox"/> Vernal Pools (F9)
	<input type="checkbox"/> 1 cm Muck (A9) (LRR C) <input type="checkbox"/> 2 cm Muck (A10) (LRR B) <input type="checkbox"/> Reduced Vertic (F18) <input type="checkbox"/> Red Parent Material (TF2) <input type="checkbox"/> Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present): Type: _____ Depth (inches): _____	Hydric Soil Present? Yes _____ No <input checked="" type="checkbox"/>
Remarks:	

HYDROLOGY

Wetland Hydrology Indicators:		
Primary Indicators (minimum of one required; check all that apply)		Secondary Indicators (2 or more required)
<input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Water Marks (B1) (Nonriverine) <input type="checkbox"/> Sediment Deposits (B2) (Nonriverine) <input type="checkbox"/> Drift Deposits (B3) (Nonriverine) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Salt Crust (B11) <input type="checkbox"/> Biotic Crust (B12) <input type="checkbox"/> Aquatic Invertebrates (B13) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Water Marks (B1) (Riverine) <input type="checkbox"/> Sediment Deposits (B2) (Riverine) <input type="checkbox"/> Drift Deposits (B3) (Riverine) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)		Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Crows Landing/Phase 1A Fink Road Corridor City/County: Stanislaus Sampling Date: 9/24/2019
 Applicant/Owner: County of Stanislaus State: CA Sampling Point: 5
 Investigator(s): K. Kwan Section, Township, Range: sec. 20, T. 6 S., R. 8 E.
 Landform (hillslope, terrace, etc.): leveled ag field Local relief (concave, convex, none): convex Slope (%): 0
 Subregion (LRR): C Lat: 37.3923059 Long: -121.106098 Datum: NAD83
 Soil Map Unit Name: 122-Vernalis loam, 0 to 2 percent slopes NWI classification: _____

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes _____ No
 Are Vegetation _____, Soil _____, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____ Hydric Soil Present? Yes _____ No <input checked="" type="checkbox"/> Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland? Yes _____ No <input checked="" type="checkbox"/>
Remarks: upper reach of a shallow ditch that receives water from a leaky irrigation standpipe/well; absence of hydric soil indicates that this condition is a relatively recent development.	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
_____ = Total Cover				
Sapling/Shrub Stratum (Plot size: _____)				
1. _____	_____	_____	_____	Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
_____ = Total Cover				
Herb Stratum (Plot size: <u>10'x10'</u>)				
1. <u>Cyperus eragrostis</u>	50	yes	FACW	Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> Dominance Test is >50% <input type="checkbox"/> Prevalence Index is ≤3.0 ¹ <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
2. <u>Helminthotheca echioides</u>	5	no	FAC	
3. <u>Sonchus asper</u>	2	no	FAC	
4. <u>Amaranthus albus</u>	5	no	FACU	
5. <u>Lythrum portula</u>	5	no	OBL	
6. <u>Epilobium ciliatum</u>	5	no	FACW	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
72 = Total Cover				
Woody Vine Stratum (Plot size: _____)				
1. _____	_____	_____	_____	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. _____	_____	_____	_____	
_____ = Total Cover				
% Bare Ground in Herb Stratum <u>30</u> % Cover of Biotic Crust <u>0</u>				
Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____				
Remarks:				

SOIL

Sampling Point: 5

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-16	10YR3/3	100					silt loam	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils ³ :
<input type="checkbox"/> Histosol (A1) <input type="checkbox"/> Histic Epipedon (A2) <input type="checkbox"/> Black Histic (A3) <input type="checkbox"/> Hydrogen Sulfide (A4) <input type="checkbox"/> Stratified Layers (A5) (LRR C) <input type="checkbox"/> 1 cm Muck (A9) (LRR D) <input type="checkbox"/> Depleted Below Dark Surface (A11) <input type="checkbox"/> Thick Dark Surface (A12) <input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depressions (F8) <input type="checkbox"/> Vernal Pools (F9)
	<input type="checkbox"/> 1 cm Muck (A9) (LRR C) <input type="checkbox"/> 2 cm Muck (A10) (LRR B) <input type="checkbox"/> Reduced Vertic (F18) <input type="checkbox"/> Red Parent Material (TF2) <input type="checkbox"/> Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):
 Type: _____
 Depth (inches): _____

Hydric Soil Present? Yes _____ No

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:	
Primary Indicators (minimum of one required; check all that apply)	Secondary Indicators (2 or more required)
<input checked="" type="checkbox"/> Surface Water (A1) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Water Marks (B1) (Nonriverine) <input type="checkbox"/> Sediment Deposits (B2) (Nonriverine) <input type="checkbox"/> Drift Deposits (B3) (Nonriverine) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Salt Crust (B11) <input type="checkbox"/> Biotic Crust (B12) <input type="checkbox"/> Aquatic Invertebrates (B13) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)
	<input type="checkbox"/> Water Marks (B1) (Riverine) <input type="checkbox"/> Sediment Deposits (B2) (Riverine) <input type="checkbox"/> Drift Deposits (B3) (Riverine) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> FAC-Neutral Test (D5)

Field Observations:		Wetland Hydrology Present?
Surface Water Present?	Yes <input checked="" type="checkbox"/> No _____ Depth (inches): <u>4</u>	Yes _____ No <input checked="" type="checkbox"/>
Water Table Present?	Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____	
Saturation Present? (includes capillary fringe)	Yes <input checked="" type="checkbox"/> No _____ Depth (inches): <u>to surface</u>	

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
 soils saturation is the direct result of leaky irrigation runoff

WETLAND DETERMINATION DATA FORM – Arid West Region

Project/Site: Crows Landing/Phase 1A Fink Road Corridor City/County: Stanislaus Sampling Date: 9/24/2019
 Applicant/Owner: _____ State: CA Sampling Point: 6
 Investigator(s): K. Kwan Section, Township, Range: sec. 20, T. 6 S., R. 8 E.
 Landform (hillslope, terrace, etc.): excavated ditch Local relief (concave, convex, none): concave Slope (%): 0
 Subregion (LRR): C Lat: 37.392188 Long: -121.1060328 Datum: NAD83
 Soil Map Unit Name: 122 Vernalis loam, 0 to 2 percent slopes NWI classification: _____

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____ Hydric Soil Present? Yes <input checked="" type="checkbox"/> No _____ Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No _____
Remarks: excavated ditch with water flowing from irrigation stand pipe/well.	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
_____ = Total Cover				Prevalence Index worksheet: Total % Cover of: _____ Multiply by: _____ OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____
Sapling/Shrub Stratum (Plot size: _____)				
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
_____ = Total Cover				
Herb Stratum (Plot size: <u>6'x10'</u>)				
1. <u>Sorghum halepense</u>	<u>25</u>	<u>yes</u>	<u>FACU</u>	Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> Dominance Test is >50% <input type="checkbox"/> Prevalence Index is ≤3.0 ¹ <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
2. <u>Cyperus eragrostis</u>	<u>25</u>	<u>yes</u>	<u>FACW</u>	
3. <u>Lemna sp.</u>	<u>30</u>	<u>yes</u>	<u>OBL</u>	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
_____ = Total Cover				
Woody Vine Stratum (Plot size: _____)				
1. _____	_____	_____	_____	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. _____	_____	_____	_____	
_____ = Total Cover				
% Bare Ground in Herb Stratum <u>0</u>		% Cover of Biotic Crust <u>0</u>		Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____
Remarks: open water 20%				

SOIL

Sampling Point: 6

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-12	10YR3/2	90	7.5YR5/6	10	C	M	silty clay	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils ³ :
<input type="checkbox"/> Histosol (A1) <input type="checkbox"/> Histic Epipedon (A2) <input type="checkbox"/> Black Histic (A3) <input type="checkbox"/> Hydrogen Sulfide (A4) <input type="checkbox"/> Stratified Layers (A5) (LRR C) <input type="checkbox"/> 1 cm Muck (A9) (LRR D) <input type="checkbox"/> Depleted Below Dark Surface (A11) <input type="checkbox"/> Thick Dark Surface (A12) <input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Depleted Matrix (F3) <input checked="" type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depressions (F8) <input type="checkbox"/> Vernal Pools (F9)

<input type="checkbox"/> 1 cm Muck (A9) (LRR C) <input type="checkbox"/> 2 cm Muck (A10) (LRR B) <input type="checkbox"/> Reduced Vertic (F18) <input type="checkbox"/> Red Parent Material (TF2) <input type="checkbox"/> Other (Explain in Remarks)	³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
Restrictive Layer (if present): Type: _____ Depth (inches): _____	

Hydric Soil Present? Yes No

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)	Secondary Indicators (2 or more required)
<input checked="" type="checkbox"/> Surface Water (A1) <input type="checkbox"/> High Water Table (A2) <input checked="" type="checkbox"/> Saturation (A3) <input type="checkbox"/> Water Marks (B1) (Nonriverine) <input type="checkbox"/> Sediment Deposits (B2) (Nonriverine) <input type="checkbox"/> Drift Deposits (B3) (Nonriverine) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Salt Crust (B11) <input type="checkbox"/> Biotic Crust (B12) <input type="checkbox"/> Aquatic Invertebrates (B13) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)

<input type="checkbox"/> Water Marks (B1) (Riverine) <input type="checkbox"/> Sediment Deposits (B2) (Riverine) <input type="checkbox"/> Drift Deposits (B3) (Riverine) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> FAC-Neutral Test (D5)	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Field Observations: Surface Water Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>4"</u> Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? (includes capillary fringe) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): _____	

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

water is flowing directly from an irrigated stand pipe/well

ATTACHMENT C

Plants Observed Onsite

ATTACHMENT C

Plant List

Scientific Name	Common Name	Wetland Indicator Status
<i>Amaranthus albus</i>	Tumbleweed	FACU
<i>Amsinckia menziesii</i>	Rancher's fireweed	N/L
<i>Anthemis cotula</i> *	Mayweed	FACU
<i>Avena</i> sp.	Oats (cultivated)	N/L
<i>Bromus diandrus</i> *	Rippgut brome	N/L
<i>Bromus madritensis</i> ssp. <i>rubens</i> *	Red brome	UPL
<i>Capsella bursa-pastoris</i> *	Shepherd common purse	FACU
<i>Carduus pycnocephalus</i> *	Italian thistle	N/L
<i>Centaurea solstitialis</i> *	Yellow star-thistle	N/L
<i>Convolvulus arvensis</i> *	Morning glory	N/L
<i>Cuscuta</i> sp.	Dodder	N/L
<i>Cynara cardunculus</i>	Artichoke thistle	N/L
<i>Cyperus eragrostis</i>	Tall flatsedge	FACW
<i>Epilobium brachycarpum</i>	Panicled willow-herb	N/L
<i>Epilobium ciliatum</i>	Hairy willow-herb	FACW
<i>Epilobium torreyi</i>	Brook spike primrose	FACW
<i>Erigeron canadensis</i>	Canada horseweed	FACU
<i>Erodium cicutarium</i> *	Filaree	N/L
<i>Helianthus annuus</i>	Common sunflower	FACU
<i>Helminthotheca echioides</i> *	Bristly oxtongue	FAC
<i>Hirschfeldia incana</i> *	Shortpod mustard	N/L
<i>Lactuca serriola</i> *	Prickly lettuce	FACU
<i>Lemna</i> sp.	Duckweed	OBL
<i>Lythrum portula</i> *	Broad-leaved loosestrife	OBL
<i>Madia exigua</i>	Little tarweed	N/L
<i>Malva parviflora</i> *	Cheeseweed	N/L

Scientific Name	Common Name	Wetland Indicator Status
<i>Persicaria</i> sp.	Smartweed	OBL
<i>Plantago lanceolata</i> *	English plantain	FAC
<i>Polygonum aviculare</i> ssp. <i>depressum</i>	Prostrate knotweed	FAC
<i>Polypogon monspeliensis</i> *	Annual rabbit-foot grass	FACW
<i>Portulaca oleracea</i> *	Common purslane	FAC
<i>Pseudognaphalium californicum</i>	Everlasting	N/L
<i>Rumex crispus</i> *	Curly dock	FAC
<i>Salix gooddingii</i>	Goodding's black willow	FACW
<i>Silybum marianum</i> *	Milk thistle	N/L
<i>Solanum americanum</i>	Nightshade	FACU
<i>Sonchus asper</i> *	Prickly sowthistle	FAC
<i>Sorghum halepense</i> *	Johnson grass	FACU
<i>Tribulus terrestris</i> *	Puncture vine	N/L
<i>Triticum aestivum</i> *	Cultivated wheat	N/L
<i>Typha latifolia</i>	Broad-leaf cattail	OBL
<i>Urtica dioica</i>	Stinging nettle	FAC
<i>Zea mays</i> *	Corn (cultivated)	N/L

ATTACHMENT D

Representative Site Photographs



Central Portion of Project Site, Looking West, September 24, 2019



Seasonal Marsh, Looking West, September 24, 2019



Sample Points 3 and 4, Looking South, September 24, 2019



Leaky Pipe Near Sample Point 5, September 24, 2019





Sample Points 5 and 6, Looking Southeast, September 24, 2019



Fink Road Between Bell Road and Medlin Road, Looking East, September 24, 2019



Fink Road East of Bell Road, Looking West, September 24, 2019



Fink Road Near Medlin Road, Looking West, September 24, 2019

ATTACHMENT E

USACE ORM Aquatic Resources Table

Waters_Name	State	Cowardin_Code	HGM_Code	Meas_Type	Amount	Units	Waters_Type	Latitude	Longitude
SM-1	CALIFORNIA	PEM	DEPRESS	Area	0.007	ACRE	DELINPJD	37.39631590	-121.11263576

ATTACHMENT F

Wetland Delineation Shape File (to be included with USACE submittal only)



MEMORANDUM

TO: County of Stanislaus Department of Public Works

FROM: Mr. Jeff Tupen, Senior Biologist/Project Manager; ECORP Consulting, Inc.

DATE: February 18, 2020

RE: Crows Landing Industrial Business Park Phase 1A Fink Road Corridor Project,
Stanislaus, California –Special-Status Plant Survey

INTRODUCTION

On behalf of the Stanislaus County Department of Public Works, ECORP Consulting, Inc. conducted a special-status plant survey for the ±149-acre Phase 1A Fink Road Corridor portion of the Crows Landing Industrial Business Park Project (Project; Study Area) located in Stanislaus County, California.

Study Area Location

The Study Area is located east of Interstate 5, east of Davis Road, north of Fink Road, west of Bell Road, and south of West Ike Crow Road. The Study Area consists of the ±103-acre portion southwest of the Delta-Mendota Canal, the ±29-acre portion northeast of the canal, and an approximately 2.1-mile stretch of Fink Road (Figure 1. *Study Area Location and Vicinity*). The Delta-Mendota Canal was not included in this Study Area.

The Study Area corresponds to portions of Section 20, 21, and 22, Township 6 South, and Range 8 East (Mount Diablo Base and Meridian) of the "Crows Landing, California" 7.5-minute quadrangle (U.S. Geological Survey [USGS] 1980). The approximate center of the Study Area is located at 37.393976° latitude and -121.111395° longitude within the Lower San Joaquin River Watershed (Hydrologic Unit Code #18020002, Natural Resources Conservation Service [NRCS], et al. 2016).

EXISTING CONDITIONS

The Study Area is located in a relatively flat agricultural setting and is situated at an elevational range of approximately 125 to 200 feet above mean sea level on the west side of the San Joaquin Valley Subregion of the Great Central Valley floristic region of California (Baldwin et. al. 2012).

The farmed portions of the Study Area are leveled fields and appear to have been planted for grain or hay crops. The western field appears to have been fallow and is made up of weedy native and nonnative plants including shortpod mustard (*Hirschfeldia incana*), yellow star-thistle (*Centaurea solstitialis*), Canada horseweed (*Erigeron canadensis*), oats (*Avena* sp.), and prickly lettuce (*Lactuca serriola*). The Delta-Mendota Canal, and its associated elevated levee banks, bisects the farmed fields within the Study Area. The canal was not included in this survey. The eastern farm field appears to have been recently farmed for

wheat (*Triticum aestivum*) as stubble is prevalent throughout the eastern field but is also dominated by shortpod mustard, prickly lettuce, and oats.

An aquatic resource delineation was conducted by ECORP (ECORP 2019). There is one seasonal marsh along the northern edge of the Study Area abutting the Delta-Mendota Canal. There are two additional areas that do not meet all criteria necessary to qualify as aquatic resources but do support hydrophytic vegetation. One of these areas appears to be created by seepage from the Delta-Mendota Canal. The other is the result of an irrigation standpipe valve that is leaking water east of the Delta-Mendota Canal and north of Fink Road.

The surrounding lands include leveled farmland, orchards, fallow pastures, a non-operational airport runway, and scattered rural residences. The community of Crows Landing is located approximately 1.5 miles east of the Study Area.

Target Species

The final Environmental Impact Report for the Project (AECOM 2018) identifies two special-status plant species as having the potential to occur within the Study Area: Delta button-celery (*Eryngium racemosum*) and Sanford's Arrowhead (*Sagittaria sanfordii*). These were considered the target species for the survey.

METHODS

The special-status plant survey was conducted on September 24, 2019. The survey was conducted in accordance with guidelines promulgated by USFWS (2000), CDFW (2018), and California Native Plant Society (CNPS 2001). The survey occurred within the optimal bloom period for the target species. ECORP botanists Casey Peters and Hannah Stone surveyed all suitable habitat for the target species. A list of field personnel qualifications is included as Attachment A.

The suitable habitat included the perennial marsh and the two other areas with hydrophytic vegetation as described above. Forays into the center of the agricultural fields were made to ensure that no additional suitable habitat exists within the Study Area.

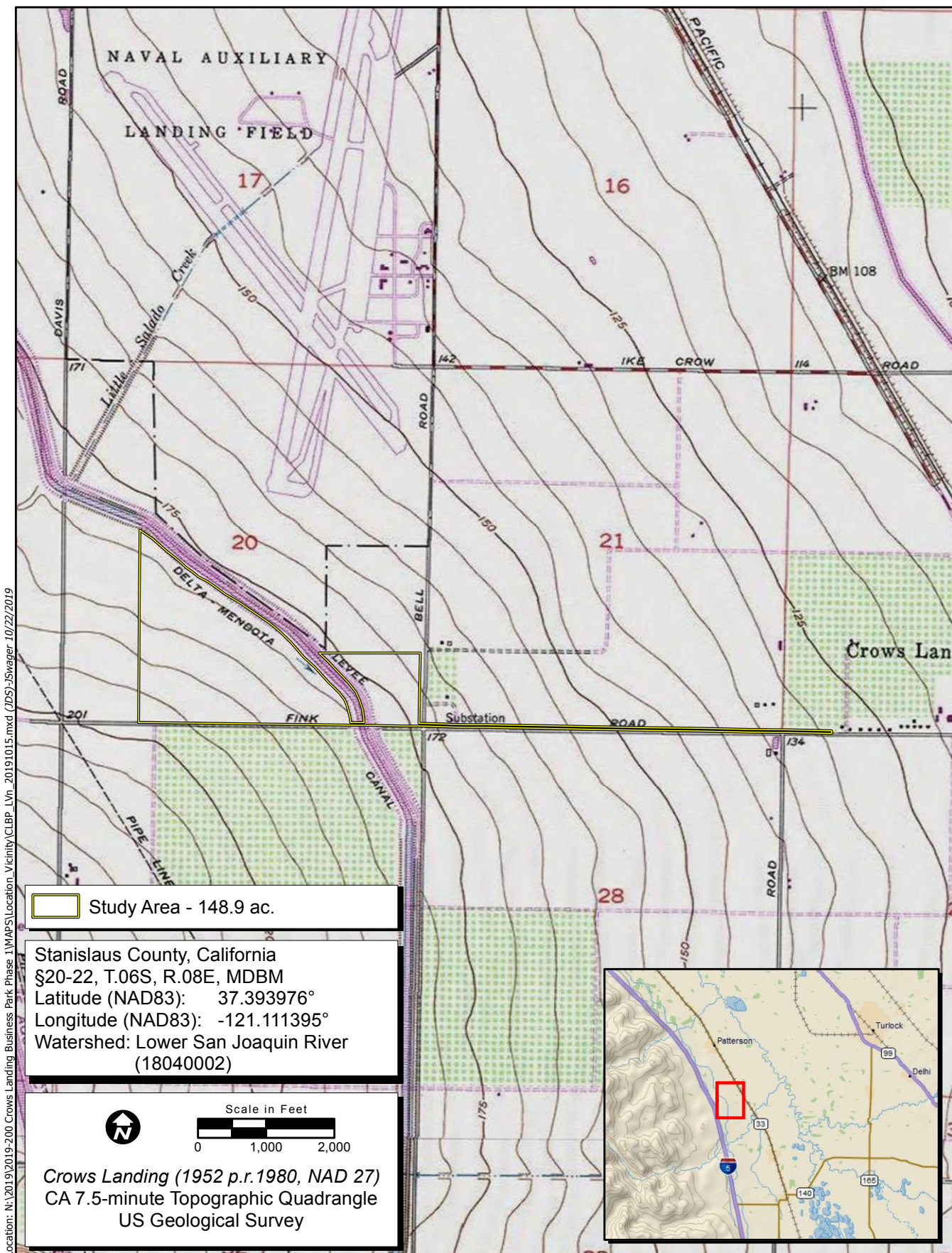
All plant species observed within the Study Area were identified to the lowest taxonomic level necessary to assess rarity. A list of all observed plant species included in Attachment B.

RESULTS

ECORP conducted a special-status plant survey for the Phase 1A Fink Road Corridor portion of the Crows Landing Industrial Business Park Project on September 24, 2019. No special-status plant species were observed during this survey including Delta button-celery and Sanford's arrowhead.

REFERENCES

- AECOM. 2018. *Crows Landing Industrial Business Park Specific Plan Environmental Impact Report*. Sacramento, CA. January 2018.
- Baldwin, et al., editors. 2012. *The Jepson Manual: Vascular Plants of California*. Second Edition. University of California Press, Berkeley, CA.
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- CNPS. 2001. CNPS Botanical Survey Guidelines. California Native Plant Society. Sacramento, CA. December 9, 1983; Revised June 2, 2001.
- ECORP Consulting, Inc. 2019. *Aquatic Resources Delineation for Crows Landing Industrial Business Park Phase 1A Project*. Stanislaus County, California. Prepared for the Stanislaus County Department of Public Works.
- NRCS, USGS, U.S. Environmental Protection Agency. 2016. Watershed Boundary Dataset for California. <http://datagateway.nrcs.usda.gov>.
- USFWS. 2000. Guidelines for Conducting and Reporting Botanical Inventories for Federally Listed, Proposed and Candidate Plants. United States Department of the Interior, USFWS. Sacramento, California.
- USGS. 1980. "Crows Landing, California" 7.5-minute Quadrangle. Geological Survey. Denver, Colorado.



Map Date: 10/22/2019
 Sources: ESRI, USGS, Wood Rodgers



Figure 1. Study Area Location and Vicinity
 2019-200 Crows Landing Business Park Phase 1

LIST OF ATTACHMENTS

Attachment A – Statement of Qualifications

Attachment B – Plants Observed on September 24, 2019 at the
Crows Landing Industrial Business Park
Phase 1A Fink Road Corridor Project

ATTACHMENT A

Statement of Qualifications

Attachment A

Statement of Qualifications

Casey Peters

Associate Biologist, ECORP Consulting, Inc.

Casey Peters is a botanist/biologist with experience in general floristic surveys, special-status plant surveys, and restoration planning, implementation, and monitoring. Dr. Peters holds a PhD in Ecology with an emphasis in plant communities and a certificate in conservation management. He has conducted scientific research in plant communities throughout California including annual grassland, oak savannah, mixed-conifer forest, sub-alpine forest, coastal dune, coastal prairie, annual forbland, and desert plant communities. He has also taught courses in California floristics and plant ecology. Dr. Peters has extensive experience conducting special-status plant surveys.

Hannah Stone

Staff Biologist, ECORP Consulting, Inc.

Hannah Stone is a biologist experienced in forest and ecological data collection, determining project effects to special-status plant species, leading interdisciplinary teams tasked with ensuring National Environmental Policy Act compliance and documentation, GIS mapping and analysis, and planning/implementation of restoration projects. Ms. Stone has also conducted floristic surveys, special-status plant surveys, construction monitoring for biological resources, and has assisted with arborist surveys.

ATTACHMENT B

Plants Observed on September 24, 2019 at the
Crows Landing Industrial Business Park
Phase 1A Fink Road Corridor Project

Crows Landing Industrial Business Park Phase 1A Fink Road Corridor Project
 Plant Species Observed (September 24, 2019)

SCIENTIFIC NAME	COMMON NAME
AMARANTHACEAE	AMARANTH FAMILY
<i>Amaranthus albus*</i>	Pigweed amaranth
ARACEAE	ARUM FAMILY
<i>Lemna sp.</i>	Duckweed
ASTERACEAE	SUNFLOWER FAMILY
<i>Carduus pycnocephalus*</i>	Italian thistle
<i>Centaurea solstitialis*</i>	Yellow star-thistle
<i>Cynara cardunculus</i>	Artichoke thistle
<i>Erigeron canadensis</i>	Canada horseweed
<i>Helianthus annuus</i>	Common sunflower
<i>Helminthotheca echioides*</i>	Bristly oxtongue
<i>Lactuca serriola*</i>	Prickly lettuce
<i>Madia exigua</i>	Little tarweed
<i>Pseudognaphalium luteoalbum*</i>	Jersey cudweed
<i>Silybum marianum*</i>	Milk thistle
<i>Sonchus asper*</i>	Prickly sowthistle
BORAGINACEAE	BORAGE FAMILY
<i>Amsinckia sp.</i>	Fiddleneck
BRASSICACEAE	MUSTARD FAMILY
<i>Capsella bursa-pastoris*</i>	Shepherd purse
<i>Hirschfeldia incana*</i>	Shortpod mustard
CONVOLVULACEAE	MORNING-GLORY FAMILY
<i>Convolvulus arvensis*</i>	Field bindweed
<i>Cuscuta sp.</i>	Dodder
CYPERACEAE	SEDGE FAMILY
<i>Cyperus eragrostis</i>	Tall flatsedge
GERANIACEAE	GERANIUM FAMILY
<i>Erodium cicutarium*</i>	Red-stemmed filaree
MALVACEAE	MALLOW FAMILY
<i>Malva sp.*</i>	Mallow

An asterisk (*) indicates a non-native species.

Crows Landing Industrial Business Park Phase 1A Fink Road Corridor Project
 Plant Species Observed (September 24, 2019)

SCIENTIFIC NAME	COMMON NAME
ONAGRACEAE	EVENING PRIMROSE FAMILY
<i>Epilobium brachycarpum</i>	Panicked willow-herb
<i>Epilobium ciliatum</i>	Hairy willow-herb
PLANTAGINACEAE	PLANTAIN FAMILY
<i>Plantago lanceolata*</i>	English plantain
POACEAE	GRASS FAMILY
<i>Avena sp.*</i>	Wild oat
<i>Bromus diandrus*</i>	Ripgut brome
<i>Bromus madritensis ssp. rubens*</i>	Red brome
<i>Polypogon monspeliensis*</i>	Annual rabbit-foot grass
<i>Sorghum halepense*</i>	Johnson grass
<i>Triticum aestivum*</i>	Cultivated wheat
POLYGONACEAE	BUCKWHEAT FAMILY
<i>Persicaria sp.</i>	Smartweed
<i>Polygonum aviculare*</i>	Prostrate knotweed
<i>Rumex crispus*</i>	Curly dock
PORTULACAEAE	PURSLANE FAMILY
<i>Portulaca oleracea*</i>	Common purslane
SALICACEAE	WILLOW FAMILY
<i>Salix gooddingii</i>	Goodding's black willow
SOLANACEAE	NIGHTSHADE FAMILY
<i>Solanum americanum</i>	Comon nightshade
TYPHACEAE	CATTAIL FAMILY
<i>Typha latifolia</i>	Broad-leaf cattail
URTICACEAE	NETTLE FAMILY
<i>Urtica dioica</i>	Stinging nettle
ZYGOPHYLLACEAE	CALTROP FAMILY
<i>Tribulus terrestris*</i>	Puncture vine

An asterisk (*) indicates a non-native species.

Appendix D

Representative Photos for Biological Survey of the
Relocated Water Well Site



Photo 1. Southeast corner of well site facing west



Photo 2. Well Site facing west



Photo 3. Access Easement for well site facing north toward the well site



Photo 4. Access Easement facing south toward Bonita Avenue and Bonita Elementary School



Photo 5. Bonita Avenue facing south

Appendix E

EDR Report

Crows Landing New Well Site

425 Fink Road

Crows Landing, CA 95313

Inquiry Number: 6201381.2s

September 22, 2020

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

425 FINK ROAD
CROWS LANDING, CA 95313

COORDINATES

Latitude (North): 37.3914150 - 37° 23' 29.09"
Longitude (West): 121.0764510 - 121° 4' 35.22"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 670281.2
UTM Y (Meters): 4139826.8
Elevation: 121 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5640380 CROWS LANDING, CA
Version Date: 2012

South Map: 5640406 NEWMAN, CA
Version Date: 2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140628, 20140627
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
 425 FINK ROAD
 CROWS LANDING, CA 95360

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	NEWMAN-CROWS LANDING	425 FINK ROAD	HAZNET, HWTS		TP
A2	1X NEWMAN-CROWS LAND	425 FINK RD.	HAZNET, HWTS		TP
A3	BONITA ELEMENTARY SC	425 FINK RD	HAZNET, HWTS		TP
A4	NEWMAN-CROWS LANDING	425 FINK ROAD	FINDS, ECHO		TP
A5	NEWMAN-CROWS LANDING	425 FINK ROAD	RCRA NonGen / NLR		TP
B6	DOMPE BROS. INC.	21900 MEDLIN RD	FINDS	Higher	1 ft.
B7	PEREZ FARMS	1019 FINK RD	RCRA NonGen / NLR	Higher	1 ft.
A8		4040 SINK RD.	CHMIRS	Higher	1 ft.
B9	DOMPE BROS. INC. AND	21900 MEDLIN RD	CUPA Listings	Higher	17, 0.003, West
10	CROW'S LANDING NAVAL	BELL ROAD	DEED	Higher	80, 0.015, West
C11	THIRTY 33 MINI MART	21943 G ST	HIST UST	Lower	745, 0.141, NE
C12	PACIFIC BELL	G STREET	RCRA-LQG	Lower	805, 0.152, ENE
D13	THIRTY THREE MINI MA	21813 33	LUST, SWRCY, HIST CORTESE	Lower	874, 0.166, NNE
D14	THIRTY THREE MINI MA	21813 HWY 33	LUST, HIST UST, Cortese, CERS	Lower	874, 0.166, NNE
D15	THIRTY THREE MINI MA	21813 HIGHWAY 33	SWEEPS UST	Lower	874, 0.166, NNE
C16	VAS TRANSPORT	21943 HWY 33	RCRA NonGen / NLR	Lower	1055, 0.200, NE
C17	VAS TRANSPORT	21943 HWY 33	HWT	Lower	1055, 0.200, NE
C18	QWIK SERV #2	22015 STATE HIGHWAY	UST	Lower	1240, 0.235, ENE
C19	QWIK SERVE MARKET	22015 HWY 33	LUST, Cortese, HIST CORTESE, CERS	Lower	1240, 0.235, ENE
C20	QWIK-SERV MARKET	22025 S HIGHWAY 33	CUPA Listings	Lower	1272, 0.241, ENE
C21	QWIK STOP MARKET	22025 HW 33	UST	Lower	1272, 0.241, ENE
C22	QWIK-SERV MARKET	22025 S HIGHWAY 33	UST	Lower	1272, 0.241, ENE
E23	AT&T CALIFORNIA - UG	22118 G ST	CERS HAZ WASTE, CUPA Listings, CERS	Lower	1276, 0.242, East
E24	MOHAMED OBEID	22031 HIGHWAY 33	RCRA NonGen / NLR	Lower	1306, 0.247, ENE
E25	WESTSIDE EQUIPMENT C	18 FINK	LUST, CPS-SLIC, Cortese, HIST CORTESE, CERS	Lower	1408, 0.267, East
E26	Q PLUS AUTOMOTIVE	22160 33	LUST, Cortese, HIST CORTESE, CERS	Lower	1825, 0.346, East
27	NAVAL AIR LOGISTICS	CROWS LANDING	SEMS-ARCHIVE	Higher	2011, 0.381, NNW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
NEWMAN-CROWS LANDING 425 FINK ROAD CROWS LANDING, CA 95360	HAZNET GEPaid: CAC002965056 HWTS	N/A
1X NEWMAN-CROWS LAND 425 FINK RD. CROWS LANDING, CA 95313	HAZNET GEPaid: CAC000781816 HWTS	N/A
BONITA ELEMENTARY SC 425 FINK RD CROWS LANDING, CA 95313	HAZNET GEPaid: CAC002816370 HWTS	N/A
NEWMAN-CROWS LANDING 425 FINK ROAD CROWS LANDING, CA 95313	FINDS Registry ID:: 110070399588 ECHO Registry ID: 110070399588	N/A
NEWMAN-CROWS LANDING 425 FINK ROAD CROWS LANDING, CA 95313	RCRA NonGen / NLR EPA ID:: CAC002965056	CAC002965056

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

EXECUTIVE SUMMARY

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE..... State Response Sites

State- and tribal - equivalent CERCLIS

ENVIROSTOR..... EnviroStor Database

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Information System

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
AST..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

VCP..... Voluntary Cleanup Program Properties

EXECUTIVE SUMMARY

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Considered Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT..... Waste Management Unit Database
HAULERS..... Registered Waste Tire Haulers Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register
HIST Cal-Sites..... Historical Calsites Database
SCH..... School Property Evaluation Program
CDL..... Clandestine Drug Labs
Toxic Pits..... Toxic Pits Cleanup Act Sites
US CDL..... National Clandestine Laboratory Register
PFAS..... PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

CERS TANKS..... California Environmental Reporting System (CERS) Tanks
CA FID UST..... Facility Inventory Database

Local Land Records

LIENS..... Environmental Liens Listing
LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
LDS..... Land Disposal Sites Listing
MCS..... Military Cleanup Sites Listing
SPILLS 90..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS..... Formerly Used Defense Sites
DOD..... Department of Defense Sites
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information

EXECUTIVE SUMMARY

EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
UXO.....	Unexploded Ordnance Sites
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN.....	Bond Expenditure Plan
DRYCLEANERS.....	Cleaner Facilities
EML.....	Emissions Inventory Data
ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
ICE.....	ICE
HWP.....	EnviroStor Permitted Facilities Listing
MINES.....	Mines Site Location Listing
MWMP.....	Medical Waste Management Program Listing
NPDES.....	NPDES Permits Listing
PEST LIC.....	Pesticide Regulation Licenses Listing
PROC.....	Certified Processors Database
Notify 65.....	Proposition 65 Records
UIC.....	UIC Listing
UIC GEO.....	UIC GEO (GEOTRACKER)
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
WIP.....	Well Investigation Program Case List
MILITARY PRIV SITES.....	MILITARY PRIV SITES (GEOTRACKER)
PROJECT.....	PROJECT (GEOTRACKER)
WDR.....	Waste Discharge Requirements Listing
CIWQS.....	California Integrated Water Quality System
CERS.....	CERS
NON-CASE INFO.....	NON-CASE INFO (GEOTRACKER)

EXECUTIVE SUMMARY

OTHER OIL GAS..... OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS..... PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT..... SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ..... Well Stimulation Project (GEOTRACKER)
MINES MRDS..... Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants
EDR Hist Auto..... EDR Exclusive Historical Auto Stations
EDR Hist Cleaner..... EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF..... Recovered Government Archive Solid Waste Facilities List
RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 07/29/2020 has revealed that there

EXECUTIVE SUMMARY

is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NAVAL AIR LOGISTICS Site ID: 0903442 EPA Id: CA3170090192	CROWS LANDING	NNW 1/4 - 1/2 (0.381 mi.)	27	60

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 06/15/2020 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PACIFIC BELL EPA ID:: CAT080017379	G STREET	ENE 1/8 - 1/4 (0.152 mi.)	C12	22

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 5 LUST sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
THIRTY THREE MINI MA Database: LUST, Date of Government Version: 06/08/2020 Status: Completed - Case Closed Global Id: T0609900015	21813 33	NNE 1/8 - 1/4 (0.166 mi.)	D13	24
THIRTY THREE MINI MA Database: LUST REG 5, Date of Government Version: 07/01/2008 Status: Case Closed	21813 HWY 33	NNE 1/8 - 1/4 (0.166 mi.)	D14	29
QWIK SERVE MARKET Database: LUST REG 5, Date of Government Version: 07/01/2008 Database: LUST, Date of Government Version: 06/08/2020 Status: Completed - Case Closed Status: Case Closed Global Id: T0609900413	22015 HWY 33	ENE 1/8 - 1/4 (0.235 mi.)	C19	35
WESTSIDE EQUIPMENT C Database: LUST REG 5, Date of Government Version: 07/01/2008 Database: LUST, Date of Government Version: 06/08/2020	18 FINK	E 1/4 - 1/2 (0.267 mi.)	E25	46

EXECUTIVE SUMMARY

Status: Completed - Case Closed
 Status: Case Closed
 Global Id: T0609900258

Q PLUS AUTOMOTIVE	22160 33	E 1/4 - 1/2 (0.346 mi.)	E26	50
Database: LUST REG 5, Date of Government Version: 07/01/2008				
Database: LUST, Date of Government Version: 06/08/2020				
Status: Open - Verification Monitoring				
Status: Preliminary site assessment workplan submitted				
Global Id: T0609900113				

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there is 1 CPS-SLIC site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WESTSIDE EQUIPMENT C	18 FINK	E 1/4 - 1/2 (0.267 mi.)	E25	46
Database: SLIC REG 5, Date of Government Version: 04/01/2005				
Database: CPS-SLIC, Date of Government Version: 06/08/2020				
Facility Status: Completed - Case Closed				
Facility Status: Open - Remediation				
Global Id: SLT5S3193355				
Global Id: T10000013684				

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 3 UST sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
QWIK SERV #2	22015 STATE HIGHWAY	ENE 1/8 - 1/4 (0.235 mi.)	C18	35
Database: UST, Date of Government Version: 06/08/2020				
Facility Id: 05				
QWIK STOP MARKET	22025 HW 33	ENE 1/8 - 1/4 (0.241 mi.)	C21	39
Database: UST, Date of Government Version: 06/08/2020				
Facility Id: 50--71072				
QWIK-SERV MARKET	22025 S HIGHWAY 33	ENE 1/8 - 1/4 (0.241 mi.)	C22	40
Database: UST, Date of Government Version: 06/08/2020				
Facility Id: Inactive				
Facility Id: 05				

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 06/08/2020 has revealed that there is 1 SWRCY site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
THIRTY THREE MINI MA Cert Id: RC13554	21813 33	NNE 1/8 - 1/4 (0.166 mi.)	D13	24

Local Lists of Hazardous waste / Contaminated Sites

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 04/20/2020 has revealed that there is 1 CERS HAZ WASTE site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AT&T CALIFORNIA - UG	22118 G ST	E 1/8 - 1/4 (0.242 mi.)	E23	40

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there is 1 SWEEPS UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
THIRTY THREE MINI MA Status: A Tank Status: A Comp Number: 51270	21813 HIGHWAY 33	NNE 1/8 - 1/4 (0.166 mi.)	D15	31

EXECUTIVE SUMMARY

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 2 HIST UST sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
THIRTY 33 MINI MART Facility Id: 00000000086	21943 G ST	NE 1/8 - 1/4 (0.141 mi.)	C11	21
THIRTY THREE MINI MA Facility Id: 00000051270	21813 HWY 33	NNE 1/8 - 1/4 (0.166 mi.)	D14	29

Local Land Records

DEED: The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes .

A review of the DEED list, as provided by EDR, and dated 06/01/2020 has revealed that there is 1 DEED site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
CROW'S LANDING NAVAL Status: COMPLETED - CASE CLOSED Envirostor ID: T0609963119	BELL ROAD	W 0 - 1/8 (0.015 mi.)	10	21

Records of Emergency Release Reports

CHMIRS: The California Hazardous Material Incident Report System contains information on reported hazardous material incidents, i.e., accidental releases or spills. The source is the California Office of Emergency Services.

A review of the CHMIRS list, as provided by EDR, and dated 03/31/2020 has revealed that there is 1 CHMIRS site within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported OES Incident Number: 1-3859	4040 SINK RD.	0 - 1/8 (0.000 mi.)	A8	18

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 06/15/2020 has revealed that

EXECUTIVE SUMMARY

there are 3 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PEREZ FARMS	1019 FINK RD	0 - 1/8 (0.000 mi.)	B7	16

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
VAS TRANSPORT EPA ID:: CAL000425333	21943 HWY 33	NE 1/8 - 1/4 (0.200 mi.)	C16	32
MOHAMED OBEID EPA ID:: CAC003059939	22031 HIGHWAY 33	ENE 1/8 - 1/4 (0.247 mi.)	E24	44

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 02/03/2020 has revealed that there is 1 FINDS site within approximately 0.001 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DOMPE BROS. INC. Registry ID:: 110055696929	21900 MEDLIN RD	0 - 1/8 (0.000 mi.)	B6	15

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 06/22/2020 has revealed that there are 4 Cortese sites within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
THIRTY THREE MINI MA Cleanup Status: COMPLETED - CASE CLOSED	21813 HWY 33	NNE 1/8 - 1/4 (0.166 mi.)	D14	29
QWIK SERVE MARKET Cleanup Status: COMPLETED - CASE CLOSED	22015 HWY 33	ENE 1/8 - 1/4 (0.235 mi.)	C19	35
WESTSIDE EQUIPMENT C Cleanup Status: COMPLETED - CASE CLOSED	18 FINK	E 1/4 - 1/2 (0.267 mi.)	E25	46
Q PLUS AUTOMOTIVE Cleanup Status: OPEN - VERIFICATION MONITORING	22160 33	E 1/4 - 1/2 (0.346 mi.)	E26	50

EXECUTIVE SUMMARY

CUPA Listings: A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

A review of the CUPA Listings list, as provided by EDR, has revealed that there are 3 CUPA Listings sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DOMPE BROS. INC. AND Database: CUPA STANISLAUS, Date of Government Version: 02/04/2020	21900 MEDLIN RD	W 0 - 1/8 (0.003 mi.)	B9	19

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
QWIK-SERV MARKET Database: CUPA STANISLAUS, Date of Government Version: 02/04/2020	22025 S HIGHWAY 33	ENE 1/8 - 1/4 (0.241 mi.)	C20	37
AT&T CALIFORNIA - UG Database: CUPA STANISLAUS, Date of Government Version: 02/04/2020	22118 G ST	E 1/8 - 1/4 (0.242 mi.)	E23	40

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSTITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 4 HIST CORTESE sites within approximately 0.5 miles of the target property.

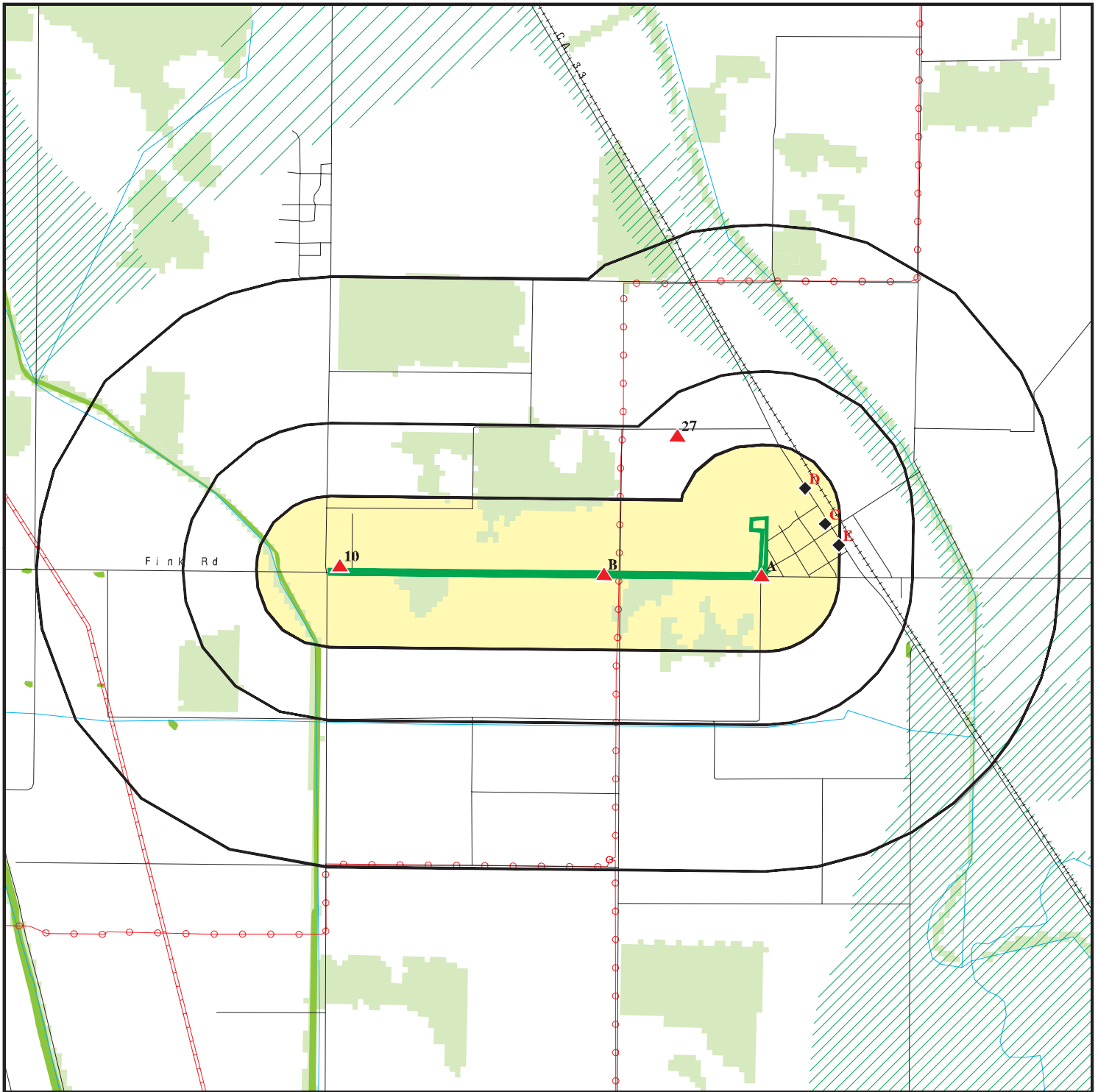
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
THIRTY THREE MINI MA Reg Id: 500016	21813 33	NNE 1/8 - 1/4 (0.166 mi.)	D13	24
QWIK SERVE MARKET Reg Id: 500478	22015 HWY 33	ENE 1/8 - 1/4 (0.235 mi.)	C19	35
WESTSIDE EQUIPMENT C Reg Id: 500317	18 FINK	E 1/4 - 1/2 (0.267 mi.)	E25	46
Q PLUS AUTOMOTIVE Reg Id: 500130	22160 33	E 1/4 - 1/2 (0.346 mi.)	E26	50

HWT: A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

A review of the HWT list, as provided by EDR, and dated 07/06/2020 has revealed that there is 1 HWT site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
VAS TRANSPORT Reg Num: 6538	21943 HWY 33	NE 1/8 - 1/4 (0.200 mi.)	C17	35

OVERVIEW MAP - 6201381.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles



Indian Reservations BIA

Power transmission lines

Pipelines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

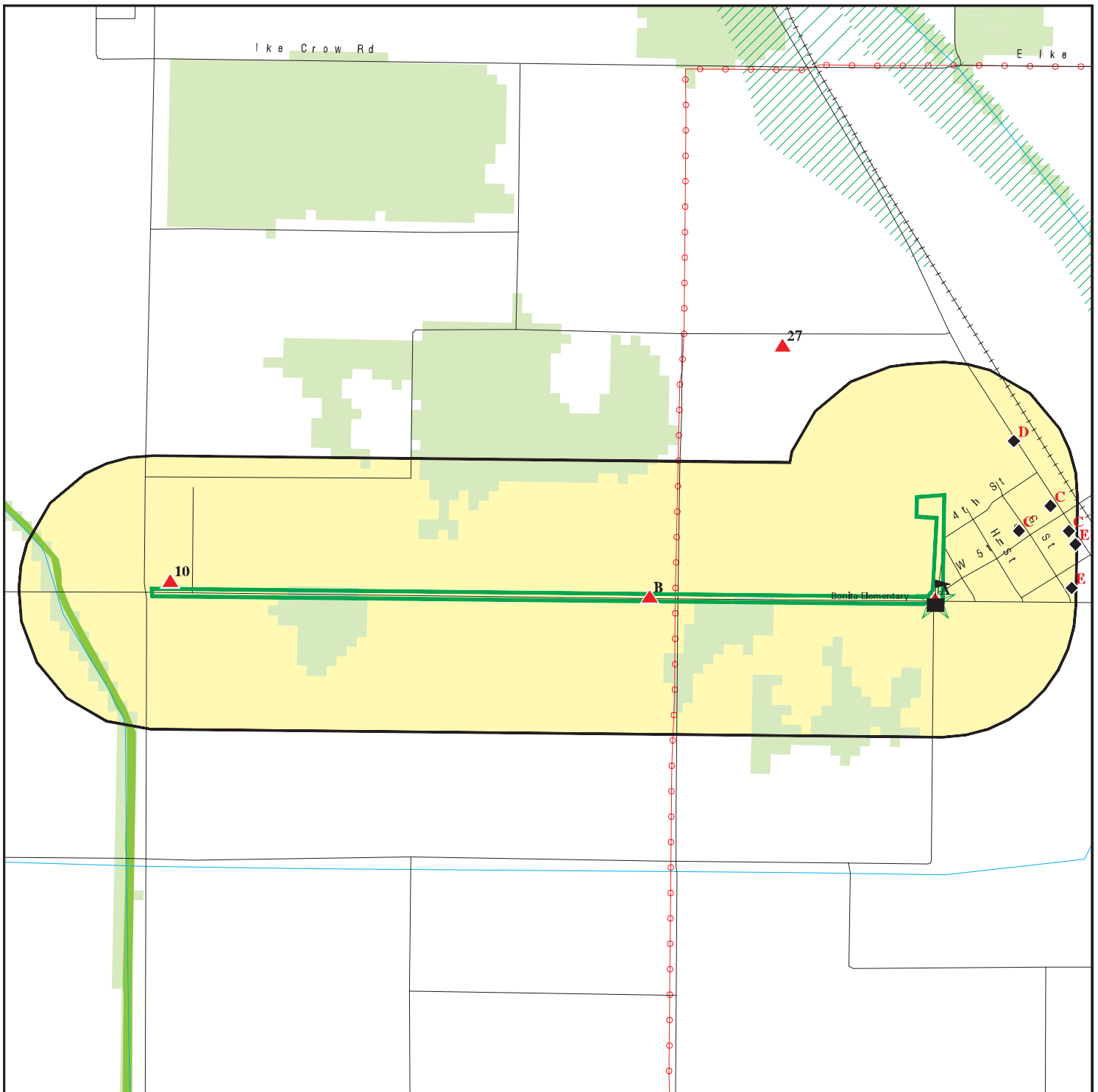
















This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Crows Landing New Well Site
 ADDRESS: 425 Fink Road
 Crows Landing CA 95313
 LAT/LONG: 37.391415 / 121.076451

CLIENT: Drake Haglan and Associates
 CONTACT: Zachary Cornejo
 INQUIRY #: 6201381.2s
 DATE: September 22, 2020 8:35 pm

DETAIL MAP - 6201381.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA
-  Power transmission lines
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  National Wetland Inventory
-  State Wetlands
-  Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Crows Landing New Well Site
 ADDRESS: 425 Fink Road
 Crows Landing CA 95313
 LAT/LONG: 37.391415 / 121.076451

CLIENT: Drake Haglan and Associates
 CONTACT: Zachary Cornejo
 INQUIRY #: 6201381.2s
 DATE: September 22, 2020 8:36 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	1	NR	NR	1
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	1	NR	NR	NR	1
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	0.001		0	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL RESPONSE</i>								
RESPONSE	1.000		0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS ENVIROSTOR</i>								
ENVIROSTOR	1.000		0	0	0	0	NR	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		0	3	2	NR	NR	5

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	1	NR	NR	1
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	3	NR	NR	NR	3
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	1	0	NR	NR	1
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250		0	1	NR	NR	NR	1
US CDL	0.001		0	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	1	NR	NR	NR	1
HIST UST	0.250		0	2	NR	NR	NR	2
CERS TANKS	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		1	0	0	NR	NR	1
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		1	NR	NR	NR	NR	1
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250	1	1	2	NR	NR	NR	4
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001	1	1	NR	NR	NR	NR	2
UXO	1.000		0	0	0	0	NR	0
ECHO	0.001	1	0	NR	NR	NR	NR	1
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	2	2	NR	NR	4
CUPA Listings	0.250		1	2	NR	NR	NR	3

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001	3	0	NR	NR	NR	NR	3
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	2	2	NR	NR	4
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	1	NR	NR	NR	1
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
HWTS	TP	3	NR	NR	NR	NR	NR	3

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0

- Totals --		9	5	21	8	0	0	43
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MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
-----------------	----------------------------------------	----------------------------	-----------------	------------------	------------------	----------------	---------------	--------------------------

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1 **NEWMAN-CROWS LANDING SCHOOL DISTRIC**
Target **425 FINK ROAD**
Property **CROWS LANDING, CA 95360**

HAZNET **S124683980**
HWTS **N/A**

Site 1 of 6 in cluster A

Actual:
121 ft.

HAZNET:
Name: NEWMAN-CROWS LANDING SCHOOL DISTRIC
Address: 425 FINK ROAD
Address 2: Not reported
City,State,Zip: CROWS LANDING, CA 95360
Contact: MATT VARGAS
Telephone: 2094844395
Mailing Name: Not reported
Mailing Address: 1223 MAIN STREET

Year: 2018
Gepaid: CAC002965056
TSD EPA ID: CAD982042475
CA Waste Code: 151 - Asbestos containing waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As
Landfill(To Include On-Site Treatment And/Or Stabilization)

Tons: 2.30000

HWTS:
Name: NEWMAN-CROWS LANDING SCHOOL DISTRIC
Address: 425 FINK ROAD
Address 2: Not reported
City,State,Zip: CROWS LANDING, CA 95313
EPA ID: CAC002965056
Inactive Date: 09/04/2018
Create Date: 06/05/2018
Last Act Date: 09/05/2018
Mailing Name: Not reported
Mailing Address: 1223 MAIN STREET
Mailing Address 2: Not reported
Mailing City,State,Zip: NEWMAN, CA 95360
Owner Name: NEWMAN CROWS LANDING
Owner Address: 1223 MAIN STREET
Owner Address 2: Not reported
Owner City,State,Zip: NEWMAN, CA 95360
Contact Name: MATT VARGAS
Contact Address: 1223 MAIN STREET
Contact Address 2: Not reported
City,State,Zip: NEWMAN, CA 95360

NAICS:
EPA ID: CAC002965056
Create Date: 2018-06-05 22:42:59
NAICS Code: 562910
NAICS Description: Remediation Services
Issued EPA ID Date: 2018-06-05 22:42:59
Inactive Date: 2018-09-04 22:42:59
Facility Name: NEWMAN-CROWS LANDING SCHOOL DISTRIC
Facility Address: 425 FINK ROAD
Facility Address 2: Not reported
Facility City: CROWS LANDING
Facility County: 50

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

NEWMAN-CROWS LANDING SCHOOL DISTRIC (Continued)

S124683980

Facility State: CA
 Facility Zip: 95313

A2 **1X NEWMAN-CROWS LANDING UNIF. SCHOOL DIS**
Target **425 FINK RD.**
Property **CROWS LANDING, CA 95313**

HAZNET **S123746743**
HWTS **N/A**

Site 2 of 6 in cluster A

Actual:
121 ft.

HAZNET:
 Name: 1X NEWMAN-CROWS LANDING UNIF. SCHOOL DIS
 Address: 425 FINK RD.
 Address 2: Not reported
 City,State,Zip: CROWS LANDING, CA 953130000
 Contact: DONNA RIDENHOUR/BKPR
 Telephone: 2098622933
 Mailing Name: Not reported
 Mailing Address: 425 FINK RD.

Year: 1992
 Gepaid: CAC000781816
 TSD EPA ID: CAD990794133
 CA Waste Code: 151 - Asbestos containing waste
 Disposal Method: 03 -
 Tons: 0

Year: 1992
 Gepaid: CAC000781816
 TSD EPA ID: CAD990794133
 CA Waste Code: -
 Disposal Method: -
 Tons: 4.214

HWTS:
 Name: 1X NEWMAN-CROWS LANDING UNIF. SCHOOL DIS
 Address: 425 FINK RD.
 Address 2: Not reported
 City,State,Zip: CROWS LANDING, CA 953130000
 EPA ID: CAC000781816
 Inactive Date: 10/25/2000
 Create Date: 12/03/1992
 Last Act Date: 10/25/2000
 Mailing Name: Not reported
 Mailing Address: 425 FINK RD.
 Mailing Address 2: Not reported
 Mailing City,State,Zip: CROWS LANDING, CA 953130000
 Owner Name: NEWMAN-CROWS LANDING SCHOOL
 Owner Address: --
 Owner Address 2: Not reported
 Owner City,State,Zip: --, 99 --
 Contact Name: DONNA RIDENHOUR/BKPR
 Contact Address: --
 Contact Address 2: Not reported
 City,State,Zip: --, 99 --

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A3 **BONITA ELEMENTARY SCHOOL**
Target **425 FINK RD**
Property **CROWS LANDING, CA 95313**

HAZNET **S118919932**
HWTS **N/A**

Site 3 of 6 in cluster A

Actual:
121 ft.

HAZNET:
Name: BONITA ELEMENTARY SCHOOL
Address: 425 FINK RD
Address 2: Not reported
City,State,Zip: CROWS LANDING, CA 953139771
Contact: MATT VARGAS
Telephone: 2098622362
Mailing Name: Not reported
Mailing Address: 890 MAIN ST

Year: 2015
Gepaid: CAC002816370
TSD EPA ID: CAD981382732
CA Waste Code: 151 - Asbestos containing waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 5.76102

Additional Info:

Year: 2015
Gen EPA ID: CAC002816370

Shipment Date: 20150608
Creation Date: 7/16/2015 22:15:18
Receipt Date: 20150608
Manifest ID: 009193873JJK
Trans EPA ID: CA000349369
Trans Name: FERMA CORPORATION
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSD EPA ID: CAD981382732
Trans Name: ALTAMONT LANDFILL
TSD Alt EPA ID: Not reported
TSD Alt Name: Not reported
Waste Code Description: 151 - Asbestos-containing waste
RCRA Code: Not reported
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)

Quantity Tons: 0.01102
Waste Quantity: 10
Quantity Unit: K
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150608
Creation Date: 7/16/2015 22:15:31
Receipt Date: 20150608
Manifest ID: 009193872JJK
Trans EPA ID: CA000349369

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BONITA ELEMENTARY SCHOOL (Continued)

S118919932

Trans Name: FERMA CORPORATION
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDf EPA ID: CAD981382732
Trans Name: ALTAMONT LANDFILL
TSDf Alt EPA ID: Not reported
TSDf Alt Name: Not reported
Waste Code Description: 151 - Asbestos-containing waste
RCRA Code: Not reported
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)

Quantity Tons: 5.75
Waste Quantity: 25
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:

Name: BONITA ELEMENTARY SCHOOL
Address: 425 FINK RD
Address 2: Not reported
City,State,Zip: CROWS LANDING, CA 953139771
EPA ID: CAC002816370
Inactive Date: 08/28/2015
Create Date: 05/29/2015
Last Act Date: 08/29/2015
Mailing Name: Not reported
Mailing Address: 890 MAIN ST
Mailing Address 2: Not reported
Mailing City,State,Zip: NEWMAN, CA 953601119
Owner Name: NEWMAN CROWS LANDING UNIFIED SCHOOL
Owner Address: 890 MAIN ST
Owner Address 2: Not reported
Owner City,State,Zip: NEWMAN, CA 953601119
Contact Name: MATT VARGAS
Contact Address: 890 MAIN ST
Contact Address 2: Not reported
City,State,Zip: NEWMAN, CA 953601119

NAICS:

EPA ID: CAC002816370
Create Date: 2015-05-29 16:37:44
NAICS Code: 327999
NAICS Description: All Other Miscellaneous Nonmetallic Mineral Product Manufacturing
Issued EPA ID Date: 2015-05-29 16:37:44
Inactive Date: 2015-08-28 16:37:44
Facility Name: BONITA ELEMENTARY SCHOOL
Facility Address: 425 FINK RD
Facility Address 2: Not reported
Facility City: CROWS LANDING
Facility County: 50
Facility State: CA
Facility Zip: 953139771

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

NEWMAN-CROWS LANDING SCHOOL DISTRICT (Continued)

1024745290

Owner Type:	Other
Operator Name:	MATT VARGAS
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSD Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2018-08-31 17:12:11.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEWMAN-CROWS LANDING SCHOOL DISTRIC (Continued)

1024745290

Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator: Operator

Owner/Operator Name: MATT VARGAS

Legal Status: Other

Date Became Current: Not reported

Date Ended Current: Not reported

Owner/Operator Address: 1223 MAIN STREET

Owner/Operator City,State,Zip: NEWMAN, CA 95360

Owner/Operator Telephone: 209-484-4395

Owner/Operator Telephone Ext: Not reported

Owner/Operator Fax: Not reported

Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

Owner/Operator Name: NEWMAN CROWS LANDING

Legal Status: Other

Date Became Current: Not reported

Date Ended Current: Not reported

Owner/Operator Address: 1223 MAIN STREET

Owner/Operator City,State,Zip: NEWMAN, CA 95360

Owner/Operator Telephone: 209-495-0731

Owner/Operator Telephone Ext: Not reported

Owner/Operator Fax: Not reported

Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2018-06-05 00:00:00.0

Handler Name: NEWMAN-CROWS LANDING SCHOOL DISTRIC

Federal Waste Generator Description: Not a generator, verified

State District Owner: Not reported

Large Quantity Handler of Universal Waste: No

Recognized Trader Importer: No

Recognized Trader Exporter: No

Spent Lead Acid Battery Importer: No

Spent Lead Acid Battery Exporter: No

Current Record: Yes

Non Storage Recycler Activity: Not reported

Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 562910

NAICS Description: REMEDIATION SERVICES

B6

**DOMPE BROS. INC. ANDERSON RANCH
21900 MEDLIN RD
CROWS LANDING, CA 95313**

**FINDS 1016421897
N/A**

**< 1/8
1 ft.**

Site 1 of 3 in cluster B

**Relative:
Higher
Actual:
136 ft.**

FINDS:
Registry ID: 110055696929

Click Here:

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

EDR ID Number
 EPA ID Number

DOMPE BROS. INC. ANDERSON RANCH (Continued)

1016421897

Environmental Interest/Information System:
 STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access
 additional FINDS: detail in the EDR Site Report.

B7
 < 1/8
 1 ft.

PEREZ FARMS
1019 FINK RD
CROWS LANDING, CA 95313

RCRA NonGen / NLR

1026169352
CAC003069400

Site 2 of 3 in cluster B

Relative:
Higher
Actual:
137 ft.

RCRA-LQG:	
Date Form Received by Agency:	2020-06-03 00:00:00.0
Handler Name:	PEREZ FARMS
Handler Address:	1019 FINK RD
Handler City,State,Zip:	CROWS LANDING, CA 95313
EPA ID:	CAC003069400
Contact Name:	PEREZ FARMS
Contact Address:	P.O. BOX 97
Contact City,State,Zip:	CROWS LANDING, CA 95313
Contact Telephone:	209-837-4701
Contact Fax:	Not reported
Contact Email:	INAVARRO@PEREZFARMS.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	P.O. BOX 97
Mailing City,State,Zip:	CROWS LANDING, CA 95313
Owner Name:	RAY PEREZ
Owner Type:	Other
Operator Name:	PEREZ FARMS
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PEREZ FARMS (Continued)

1026169352

Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-06-08 20:36:49.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No
Handler - Owner Operator:	
Owner/Operator Indicator:	Owner
Owner/Operator Name:	RAY PEREZ
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 97
Owner/Operator City,State,Zip:	CROWS LANDING, CA 95313
Owner/Operator Telephone:	209-837-4701
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	PEREZ FARMS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 97
Owner/Operator City,State,Zip:	CROWS LANDING, CA 95313

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PEREZ FARMS (Continued)

1026169352

Owner/Operator Telephone: 209-837-4701
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2020-06-03 00:00:00.0
Handler Name: PEREZ FARMS
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 112519
NAICS Description: OTHER AQUACULTURE

A8

**CHMIRS S105673506
N/A**

**< 1/8
1 ft.**

**4040 SINK RD.
CROWS LANDING, CA**

Site 6 of 6 in cluster A

**Relative:
Higher
Actual:
121 ft.**

CHMIRS:
Name: Not reported
Address: 4040 SINK RD.
City,State,Zip: CROWS LANDING, CA
OES Incident Number: 1-3859
OES notification: 07/05/2001
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

(Continued)

S105673506

Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	N/A
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2001
Agency:	Covanta Waste Facility
Incident Date:	7/5/2001 12:00:00 AM
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	High radiation levels
Unknown:	300
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Medical waste truck arrived at the facility, 300 Micro rads per hour reading, truck is currently sitting on tipping floor.

B9
West
< 1/8
0.003 mi.
17 ft.

DOMPE BROS. INC. ANDERSON RANCH
21900 MEDLIN RD
CROWS LANDING, CA 95313
Site 3 of 3 in cluster B

CUPA Listings S119105553
N/A

Relative:
Higher
Actual:
136 ft.

CUPA STANISLAUS:	
Name:	DOMPE BROS. INC. ANDERSON RANCH
Address:	21900 MEDLIN RD
Address2:	21900 MEDLIN RD
City,State,Zip:	CROWS LANDING, CA 95313
Region:	STANISLAUS
Facility ID:	FA0000678

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOMPE BROS. INC. ANDERSON RANCH (Continued)

S119105553

CERS ID: 10179319
Facility Status: Inactive
Program/Element: 4001 - APSA - SURCHARGE FOR 1320 - 9999 GAL
Mailing Address: Po Box 247
Mailing City: Crows Landing
Mailing State: CA
Mailing Zip: 95313
Latitude: 0
Longitude: 0

Name: DOMPE BROS. INC. ANDERSON RANCH
Address: 21900 MEDLIN RD
Address2: 21900 MEDLIN RD
City,State,Zip: CROWS LANDING, CA 95313
Region: STANISLAUS
Facility ID: FA0000678
CERS ID: 10179319
Facility Status: Inactive
Program/Element: 4001 - APSA - SURCHARGE FOR 1320 - 9999 GAL
Mailing Address: Po Box 247
Mailing City: Crows Landing
Mailing State: CA
Mailing Zip: 95313
Latitude: 0
Longitude: 0

Name: DOMPE BROS. INC. ANDERSON RANCH
Address: 21900 MEDLIN RD
Address2: 21900 MEDLIN RD
City,State,Zip: CROWS LANDING, CA 95313
Region: STANISLAUS
Facility ID: FA0000678
CERS ID: 10179319
Facility Status: Inactive
Program/Element: 5015 - CUPA OVERSIGHT STATE SURCHARGE
Mailing Address: Po Box 247
Mailing City: Crows Landing
Mailing State: CA
Mailing Zip: 95313
Latitude: 0
Longitude: 0

Name: DOMPE BROS. INC. ANDERSON RANCH
Address: 21900 MEDLIN RD
Address2: 21900 MEDLIN RD
City,State,Zip: CROWS LANDING, CA 95313
Region: STANISLAUS
Facility ID: FA0000678
CERS ID: 10179319
Facility Status: Inactive
Program/Element: 4213 - INSPECTION-FARM DISCLOSURE PRG.
Mailing Address: Po Box 247
Mailing City: Crows Landing
Mailing State: CA
Mailing Zip: 95313
Latitude: 0
Longitude: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

10
West
< 1/8
0.015 mi.
80 ft.

**CROW'S LANDING NAVAL AUXILIARY LANDING FIELD - CRO
BELL ROAD
CROWS LANDING, CA**

**DEED S109289781
N/A**

**Relative:
Higher
Actual:
172 ft.**

DEED:
Name: CROW'S LANDING NAVAL AUXILIARY LANDING FIELD - CROWS LANDING NAVAL
AUXILLARY LANDING FIELD - UST SITE 109
Address: BELL ROAD
City,State,Zip: CROWS LANDING, CA
Envirostor ID: T0609963119
Area: Not reported
Sub Area: Not reported
Site Type: DODUST
Status: COMPLETED - CASE CLOSED
Agency: SWRCB
Covenant Uploaded: Y
Deed Date(s): 10/26/2004
File Name: Geotracker Land Use/Deed Restrictions

C11
NE
1/8-1/4
0.141 mi.
745 ft.

**THIRTY 33 MINI MART
21943 G ST
CROWS LANDING, CA 95313**

**HIST UST U001605062
N/A**

Site 1 of 9 in cluster C

**Relative:
Lower
Actual:
116 ft.**

HIST UST:
Name: THIRTY 33 MINI MART
Address: 21943 G ST
City,State,Zip: CROWS LANDING, CA 95313
File Number: 0002214A
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002214A.pdf>
Region: STATE
Facility ID: 00000000086
Facility Type: Gas Station
Other Type: Not reported
Contact Name: SAME
Telephone: 2098374753
Owner Name: HANK ROBERTS
Owner Address: 213 E. 5TH ST PO BOX 65
Owner City,St,Zip: CROWS LANDING, CA 95313
Total Tanks: 0005

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THIRTY 33 MINI MART (Continued)

U001605062

Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00002000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 005
Container Num: 5
Year Installed: Not reported
Tank Capacity: 00000550
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: None

[Click here for Geo Tracker PDF:](#)

C12
ENE
1/8-1/4
0.152 mi.
805 ft.

PACIFIC BELL
G STREET
CROWS LANDING, CA 95313

RCRA-LQG **1000250959**
CAT080017379

Site 2 of 9 in cluster C

Relative:
Lower
Actual:
116 ft.

RCRA-LQG:
Date Form Received by Agency: 1981-01-13 00:00:00.0
Handler Name: PACIFIC BELL
Handler Address: G STREET
Handler City,State,Zip: CROWS LANDING, CA 95313
EPA ID: CAT080017379
Contact Name: ENVIRONMENTAL MANAGER
Contact Address: G STREET
Contact City,State,Zip: CROWS LANDING, CA 95313
Contact Telephone: 916-485-0997
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Other
Federal Waste Generator Description: Large Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: CA

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PACIFIC BELL (Continued)

1000250959

State District:	1
Mailing Address:	3707 KINGS WAY SEC A-6
Mailing City, State, Zip:	SACRAMENTO, CA 95821
Owner Name:	THE PACIFIC TELEPHONE AND TELEGRAPH CO
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2002-06-27 03:55:38.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

PACIFIC BELL (Continued)

1000250959

Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No
Handler - Owner Operator:	
Owner/Operator Indicator:	Owner
Owner/Operator Name:	THE PACIFIC TELEPHONE AND TELEGRAPH CO
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Historic Generators:	
Receive Date:	1981-01-13 00:00:00.0
Handler Name:	PACIFIC BELL
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

D13
NNE
1/8-1/4
0.166 mi.
874 ft.

THIRTY THREE MINI MART
21813 33
CROWS LANDING, CA 95313
Site 1 of 3 in cluster D

LUST **S104163030**
SWRCY **N/A**
HIST CORTESE

Relative:
Lower
Actual:
114 ft.

LUST:	
Name:	THIRTY THREE MINI MART
Address:	21813 HWY 33
City,State,Zip:	CROWS LANDING, CA 95313
Lead Agency:	STANISLAUS COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609900015
Global Id:	T0609900015
Latitude:	37.3956035
Longitude:	-121.0734821
Status:	Completed - Case Closed
Status Date:	04/19/2005
Case Worker:	Not reported
RB Case Number:	500016
Local Agency:	Not reported
File Location:	Local Agency
Local Case Number:	5
Potential Media Affect:	Soil

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THIRTY THREE MINI MART (Continued)

S104163030

Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0609900015
Contact Type: Regional Board Caseworker
Contact Name: VERA J. FISCHER
Organization Name: CENTRAL VALLEY RWQCB (REGION 5S)
Address: 11020 SUN CENTER DRIVE #200
City: RANCHO CORDOVA
Email: vera.fischer@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0609900015
Action Type: ENFORCEMENT
Date: 12/11/2003
Action: Notice of Violation - #on file

Global Id: T0609900015
Action Type: ENFORCEMENT
Date: 01/25/2005
Action: LOP Case Closure Summary to RB - #ON FILE

Global Id: T0609900015
Action Type: ENFORCEMENT
Date: 01/08/2004
Action: 13308 Time Schedule Order - #on file

Global Id: T0609900015
Action Type: ENFORCEMENT
Date: 08/27/2003
Action: Staff Letter - #on file

Global Id: T0609900015
Action Type: ENFORCEMENT
Date: 02/01/2005
Action: Technical Correspondence / Assistance / Other - #ON FILE

Global Id: T0609900015
Action Type: ENFORCEMENT
Date: 03/08/2005
Action: * Historical Enforcement - #ON FILE

Global Id: T0609900015
Action Type: ENFORCEMENT
Date: 08/26/2004
Action: * Historical Enforcement - #on file

Global Id: T0609900015
Action Type: ENFORCEMENT
Date: 02/08/2005
Action: Notification - Preclosure - #ON FILE

Global Id: T0609900015
Action Type: Other
Date: 04/29/1987

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THIRTY THREE MINI MART (Continued)

S104163030

Action: Leak Discovery

Global Id: T0609900015
Action Type: ENFORCEMENT
Date: 04/19/2005
Action: Closure/No Further Action Letter - #ON FILE

Global Id: T0609900015
Action Type: ENFORCEMENT
Date: 12/22/1994
Action: Staff Letter - #on file

Global Id: T0609900015
Action Type: ENFORCEMENT
Date: 07/31/2002
Action: Meeting - #on file

Global Id: T0609900015
Action Type: ENFORCEMENT
Date: 08/27/2003
Action: * Historical Enforcement - #on file

Global Id: T0609900015
Action Type: Other
Date: 01/01/1987
Action: Leak Stopped

Global Id: T0609900015
Action Type: Other
Date: 04/29/1987
Action: Leak Reported

Global Id: T0609900015
Action Type: ENFORCEMENT
Date: 02/01/1989
Action: File review - #on file

Global Id: T0609900015
Action Type: ENFORCEMENT
Date: 04/23/1991
Action: Notice of Reimbursement - #on file

Global Id: T0609900015
Action Type: ENFORCEMENT
Date: 01/30/1995
Action: Meeting - #on file

Global Id: T0609900015
Action Type: ENFORCEMENT
Date: 02/02/1998
Action: Staff Letter - #on file

Global Id: T0609900015
Action Type: ENFORCEMENT
Date: 04/03/2002
Action: Staff Letter - #on file

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THIRTY THREE MINI MART (Continued)

S104163030

Global Id: T0609900015
Action Type: ENFORCEMENT
Date: 03/04/1996
Action: Staff Letter - #on file

Global Id: T0609900015
Action Type: ENFORCEMENT
Date: 04/17/1997
Action: Staff Letter - #on file

Global Id: T0609900015
Action Type: ENFORCEMENT
Date: 05/11/1988
Action: Notice of Responsibility - #on file

Global Id: T0609900015
Action Type: ENFORCEMENT
Date: 01/08/2004
Action: Staff Letter - #on file

Global Id: T0609900015
Action Type: ENFORCEMENT
Date: 12/11/2003
Action: File review - #on file

Global Id: T0609900015
Action Type: ENFORCEMENT
Date: 05/03/2004
Action: Staff Letter - #on file

Global Id: T0609900015
Action Type: ENFORCEMENT
Date: 07/31/2002
Action: Staff Letter - #on file

Global Id: T0609900015
Action Type: ENFORCEMENT
Date: 09/25/2001
Action: Staff Letter - #on file

LUST:

Global Id: T0609900015
Status: Open - Case Begin Date
Status Date: 11/20/1986

Global Id: T0609900015
Status: Open - Site Assessment
Status Date: 04/29/1987

Global Id: T0609900015
Status: Open - Site Assessment
Status Date: 11/21/1996

Global Id: T0609900015
Status: Open - Site Assessment
Status Date: 10/02/2002

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THIRTY THREE MINI MART (Continued)

S104163030

Global Id: T0609900015
Status: Open - Site Assessment
Status Date: 08/12/2003

Global Id: T0609900015
Status: Open - Site Assessment
Status Date: 02/06/2004

Global Id: T0609900015
Status: Open - Site Assessment
Status Date: 09/08/2004

Global Id: T0609900015
Status: Open - Site Assessment
Status Date: 02/25/2005

Global Id: T0609900015
Status: Completed - Case Closed
Status Date: 04/19/2005

SWRCY:

Name: MARIAS RECYCLING CENTER
Address: 21813 HIGHWAY 33
City,State,Zip: CROWS LANDING, CA 95313
Reg Id: 19204
Cert Id: RC13554
Mailing Address: P O Box 182
Mailing City: Crows Landing
Mailing State: CA
Mailing Zip Code: 95313
Website: Not reported
Email: Not reported
Phone Number: Not reported
Rural: Y
Operation Begin Date: 11/20/2007
Aluminium: Y
Glass: Y
Plastic: Y
Bimetal: Y
Hours of Operation: Mon - Sat 9:00 am - 5:00 pm; Sun 9:00 am - 2:00 pm
Organization ID: 19204
Organization Name: Marias Recycling Center

HIST CORTESE:

edr_fname: THIRTY THREE MINI MART
edr_fadd1: 21813 33
City,State,Zip: CROWS LANDING, CA 95313
Region: CORTESE
Facility County Code: 50
Reg By: LTNKA
Reg Id: 500016

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

D14 **THIRTY THREE MINI MART**
NNE **21813 HWY 33**
1/8-1/4 **CROWS LANDING, CA 95313**
0.166 mi.
874 ft. **Site 2 of 3 in cluster D**

LUST **U001605063**
HIST UST **N/A**
Cortese
CERS

Relative: LUST REG 5:
Lower Name: THIRTY THREE MINI MART
 Address: 21813 HWY 33
Actual: City: CROWS LANDING
114 ft. Region: 5
 Status: Case Closed
 Case Number: 500016
 Case Type: Soil only
 Substance: GASOLINE
 Staff Initials: MTS
 Lead Agency: Local
 Program: LUST
 MTBE Code: N/A

HIST UST:
 Name: THIRTY THREE MINI MART
 Address: 21813 HWY 33
 City,State,Zip: CROWS LANDING, CA 95313
 File Number: 000221A1
 URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000221A1.pdf>
 Region: STATE
 Facility ID: 00000051270
 Facility Type: Not reported
 Other Type: Not reported
 Contact Name: HANK ROBERTS
 Telephone: 2098374753
 Owner Name: HELEN & FRED LOD
 Owner Address: 42 FINK RD.
 Owner City,St,Zip: CROWS LANDING, CA 95313
 Total Tanks: 0004

Tank Num: 001
 Container Num: 4
 Year Installed: Not reported
 Tank Capacity: 00002000
 Tank Used for: PRODUCT
 Type of Fuel: PREMIUM
 Container Construction Thickness: Not reported
 Leak Detection: Stock Inventor

Tank Num: 002
 Container Num: 3
 Year Installed: Not reported
 Tank Capacity: 00002000
 Tank Used for: PRODUCT
 Type of Fuel: UNLEADED
 Container Construction Thickness: Not reported
 Leak Detection: Stock Inventor

Tank Num: 003
 Container Num: 2
 Year Installed: Not reported
 Tank Capacity: 00002000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THIRTY THREE MINI MART (Continued)

U001605063

Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 004
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00002000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

[Click here for Geo Tracker PDF:](#)

CORTESE:

Name: THIRTY THREE MINI MART
Address: 21813 HWY 33
City,State,Zip: CROWS LANDING, CA 95313
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0609900015
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:

Name: THIRTY THREE MINI MART
Address: 21813 HWY 33
City,State,Zip: CROWS LANDING, CA 95313
Site ID: 237610
CERS ID: T0609900015
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: VERA J. FISCHER - CENTRAL VALLEY RWQCB (REGION 5S)
Entity Title: Not reported
Affiliation Address: 11020 SUN CENTER DRIVE #200
Affiliation City: RANCHO CORDOVA
Affiliation State: CA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THIRTY THREE MINI MART (Continued)

U001605063

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

D15
NNE
1/8-1/4
0.166 mi.
874 ft.

THIRTY THREE MINI MART
21813 HIGHWAY 33
CROWS LANDING, CA 95313

SWEEPS UST **S106932957**
N/A

Site 3 of 3 in cluster D

Relative:
Lower
Actual:
114 ft.

SWEEPS UST:
Name: THIRTY THREE MINI MART
Address: 21813 HIGHWAY 33
City: CROWS LANDING
Status: Active
Comp Number: 51270
Number: 3
Board Of Equalization: 44-028894
Referral Date: 08-26-93
Action Date: 08-26-93
Created Date: 02-29-88
Owner Tank Id: 1
SWRCB Tank Id: 50-000-051270-000001
Tank Status: A
Capacity: 4000
Active Date: 08-26-93
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: 3

Name: THIRTY THREE MINI MART
Address: 21813 HIGHWAY 33
City: CROWS LANDING
Status: Active
Comp Number: 51270
Number: 3
Board Of Equalization: 44-028894
Referral Date: 08-26-93
Action Date: 08-26-93
Created Date: 02-29-88
Owner Tank Id: 3
SWRCB Tank Id: 50-000-051270-000002
Tank Status: A
Capacity: 2000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: THIRTY THREE MINI MART
Address: 21813 HIGHWAY 33
City: CROWS LANDING
Status: Active
Comp Number: 51270
Number: 3

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

THIRTY THREE MINI MART (Continued)

S106932957

Board Of Equalization: 44-028894
Referral Date: 08-26-93
Action Date: 08-26-93
Created Date: 02-29-88
Owner Tank Id: 2
SWRCB Tank Id: 50-000-051270-000003
Tank Status: A
Capacity: 2000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Name: THIRTY THREE MINI MART
Address: 21813 HIGHWAY 33
City: CROWS LANDING
Status: Not reported
Comp Number: 51270
Number: Not reported
Board Of Equalization: 44-028894
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 50-000-051270-000004
Tank Status: Not reported
Capacity: 2000
Active Date: Not reported
Tank Use: OIL
STG: WASTE
Content: WASTE OIL
Number Of Tanks: 1

C16
NE
1/8-1/4
0.200 mi.
1055 ft.

VAS TRANSPORT
21943 HWY 33
CROWS LANDING, CA 95322
Site 3 of 9 in cluster C

RCRA NonGen / NLR **1024858819**
CAL000425333

Relative:
Lower
Actual:
114 ft.

RCRA-LQG:
Date Form Received by Agency: 2017-03-02 00:00:00.0
Handler Name: VAS TRANSPORT
Handler Address: 21943 HWY 33
Handler City,State,Zip: CROWS LANDING, CA 95322
EPA ID: CAL000425333
Contact Name: MAXIMINO MENDOZA MADRIGAL
Contact Address: 470 WEST AVE
Contact City,State,Zip: GUSTINE, CA 95322
Contact Telephone: 209-675-1613
Contact Fax: Not reported
Contact Email: MAX_MEN01@YAHOO.COM
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

VAS TRANSPORT (Continued)

1024858819

Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	470 WEST AVE
Mailing City,State,Zip:	GUSTINE, CA 95322
Owner Name:	MAXIMINO MENDOZA MADRIGAL
Owner Type:	Other
Operator Name:	MAXIMINO MENDOZA MADRIGAL
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	Yes
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VAS TRANSPORT (Continued)

1024858819

Handler Date of Last Change: 2018-09-07 19:35:41.0
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Handler - Owner Operator:

Owner/Operator Indicator: Operator
Owner/Operator Name: MAXIMINO MENDOZA MADRIGAL
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 470 WEST AVE
Owner/Operator City,State,Zip: GUSTINE, CA 95322
Owner/Operator Telephone: 209-675-1613
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MAXIMINO MENDOZA MADRIGAL
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 470 WEST AVE
Owner/Operator City,State,Zip: GUSTINE, CA 95322
Owner/Operator Telephone: 209-675-1613
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2017-03-02 00:00:00.0
Handler Name: VAS TRANSPORT
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 48423
NAICS Description: SPECIALIZED FREIGHT (EXCEPT USED GOODS) TRUCKING, LONG-DISTANCE

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

C17 NE 1/8-1/4 0.200 mi. 1055 ft.	VAS TRANSPORT 21943 HWY 33 CROWS LANDING, CA 95313 Site 4 of 9 in cluster C	HWT	S125346695 N/A
----------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------	------------	---------------------------------

Relative: Lower Actual: 114 ft.	HWT: Name: VAS TRANSPORT Address: 21943 HWY 33 City,State,Zip: CROWS LANDING, CA 95313 Reg Num: 6538 Expiration Date: 08/31/2020
--------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------

C18 ENE 1/8-1/4 0.235 mi. 1240 ft.	QWIK SERV #2 22015 STATE HIGHWAY 33 CROWS LANDING, CA 95313 Site 5 of 9 in cluster C	UST	U004261436 N/A
-----------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------	------------	---------------------------------

Relative: Lower Actual: 114 ft.	UST: Name: QWIK SERV #2 Address: 22015 STATE HIGHWAY 33 City,State,Zip: CROWS LANDING, CA 95313 Facility ID: 05 Permitting Agency: Stanislaus County Environmental Resource Latitude: 37.39346 Longitude: -121.07195
--------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

C19 ENE 1/8-1/4 0.235 mi. 1240 ft.	QWIK SERVE MARKET 22015 HWY 33 CROWS LANDING, CA 95313 Site 6 of 9 in cluster C	LUST Cortese HIST CORTESE CERS	S105023463 N/A
-----------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------	---------------------------------

Relative: Lower Actual: 114 ft.	LUST: Name: QWIK SERVE MARKET Address: 22015 HWY 33 City,State,Zip: CROWS LANDING, CA 95313 Lead Agency: STANISLAUS COUNTY Case Type: LUST Cleanup Site Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609900413 Global Id: T0609900413 Latitude: 37.3934596 Longitude: -121.072091 Status: Completed - Case Closed Status Date: 09/20/1999 Case Worker: Not reported RB Case Number: 500478 Local Agency: Not reported File Location: Not reported Local Case Number: 268 Potential Media Affect: Aquifer used for drinking water supply Potential Contaminants of Concern: Gasoline Site History: Not reported LUST: Global Id: T0609900413 Contact Type: Regional Board Caseworker Contact Name: VERA J. FISCHER
--------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

QWIK SERVE MARKET (Continued)

S105023463

Organization Name: CENTRAL VALLEY RWQCB (REGION 5S)
Address: 11020 SUN CENTER DRIVE #200
City: RANCHO CORDOVA
Email: vera.fischer@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0609900413
Action Type: REMEDIATION
Date: 07/27/1999
Action: Not reported

Global Id: T0609900413
Action Type: ENFORCEMENT
Date: 06/25/1999
Action: Notice of Responsibility

Global Id: T0609900413
Action Type: Other
Date: 06/24/1999
Action: Leak Reported

LUST:

Global Id: T0609900413
Status: Open - Case Begin Date
Status Date: 06/24/1999

Global Id: T0609900413
Status: Completed - Case Closed
Status Date: 09/20/1999

LUST REG 5:

Name: QWIK SERVE MARKET
Address: 22015 HWY 33
City: CROWS LANDING
Region: 5
Status: Case Closed
Case Number: 500478
Case Type: Drinking Water Aquifer affected
Substance: GASOLINE
Staff Initials: MTS
Lead Agency: Local
Program: LUST
MTBE Code: N/A

CORTESE:

Name: QWIK SERVE MARKET
Address: 22015 HWY 33
City,State,Zip: CROWS LANDING, CA 95313
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0609900413
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

QWIK SERVE MARKET (Continued)

S105023463

Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:

edr_fname: QWIK SERVE MARKET #2
edr_fadd1: 22015 33
City,State,Zip: CROWS LANDING, CA 95313
Region: CORTESE
Facility County Code: 50
Reg By: LTNKA
Reg Id: 500478

CERS:

Name: QWIK SERVE MARKET
Address: 22015 HWY 33
City,State,Zip: CROWS LANDING, CA 95313
Site ID: 246355
CERS ID: T0609900413
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: VERA J. FISCHER - CENTRAL VALLEY RWQCB (REGION 5S)
Entity Title: Not reported
Affiliation Address: 11020 SUN CENTER DRIVE #200
Affiliation City: RANCHO CORDOVA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

C20 **QWIK-SERV MARKET**
ENE **22025 S HIGHWAY 33**
1/8-1/4 **CROWS LANDING, CA 95313**
0.241 mi.
1272 ft. **Site 7 of 9 in cluster C**

CUPA Listings **S119107036**
N/A

Relative: CUPA STANISLAUS:
Lower Name: QWIK-SERV MARKET
Actual: Address: 22025 S HIGHWAY 33
114 ft. Address2: S
City,State,Zip: CROWS LANDING, CA 95313

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

QWIK-SERV MARKET (Continued)

S119107036

Region: STANISLAUS
Facility ID: FA0002211
CERS ID: 10178227
Facility Status: Inactive
Program/Element: 4115 - UST - UST FACILITY ANNUAL FEE
Mailing Address: Po Box 7
Mailing City: Crows Landing
Mailing State: CA
Mailing Zip: 95313
Latitude: Not reported
Longitude: Not reported

Name: QWIK-SERV MARKET
Address: 22025 S HIGHWAY 33
Address2: S
City,State,Zip: CROWS LANDING, CA 95313
Region: STANISLAUS
Facility ID: FA0002211
CERS ID: 10178227
Facility Status: Inactive
Program/Element: 4201 - BUSINESS PLAN FEE 1-4 CHEMICAL
Mailing Address: Po Box 7
Mailing City: Crows Landing
Mailing State: CA
Mailing Zip: 95313
Latitude: Not reported
Longitude: Not reported

Name: QWIK-SERV MARKET
Address: 22025 S HIGHWAY 33
Address2: S
City,State,Zip: CROWS LANDING, CA 95313
Region: STANISLAUS
Facility ID: FA0002211
CERS ID: 10178227
Facility Status: Inactive
Program/Element: 9101 - CERS - CA ELECTRONIC REPORTING SYSTEM FEE
Mailing Address: Po Box 7
Mailing City: Crows Landing
Mailing State: CA
Mailing Zip: 95313
Latitude: 0
Longitude: 0

Name: QWIK-SERV MARKET
Address: 22025 S HIGHWAY 33
Address2: S
City,State,Zip: CROWS LANDING, CA 95313
Region: STANISLAUS
Facility ID: FA0002211
CERS ID: 10178227
Facility Status: Inactive
Program/Element: 5015 - CUPA OVERSIGHT STATE SURCHARGE
Mailing Address: Po Box 7
Mailing City: Crows Landing
Mailing State: CA
Mailing Zip: 95313

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

QWIK-SERV MARKET (Continued)

S119107036

Latitude: 0
Longitude: 0

Name: QWIK-SERV MARKET
Address: 22025 S HIGHWAY 33
Address2: S
City,State,Zip: CROWS LANDING, CA 95313
Region: STANISLAUS
Facility ID: FA0002211
CERS ID: 10178227
Facility Status: Inactive
Program/Element: 4201 - BUSINESS PLAN FEE 1-4 CHEMICAL
Mailing Address: Po Box 7
Mailing City: Crows Landing
Mailing State: CA
Mailing Zip: 95313
Latitude: 0
Longitude: 0

Name: QWIK-SERV MARKET
Address: 22025 S HIGHWAY 33
Address2: S
City,State,Zip: CROWS LANDING, CA 95313
Region: STANISLAUS
Facility ID: FA0002211
CERS ID: 10178227
Facility Status: Inactive
Program/Element: 4115 - UST - UST FACILITY ANNUAL FEE
Mailing Address: Po Box 7
Mailing City: Crows Landing
Mailing State: CA
Mailing Zip: 95313
Latitude: 0
Longitude: 0

C21 **QWIK STOP MARKET**
ENE **22025 HW 33**
1/8-1/4 **CROWS LANDING, CA 95313**
0.241 mi.
1272 ft. **Site 8 of 9 in cluster C**

UST **U003783181**
 N/A

Relative: **UST:**
Lower Name: QWIK STOP MARKET
Actual: Address: 22025 HW 33
114 ft. City,State,Zip: CROWS LANDING, CA 95313
 Facility ID: 50--71072
 Permitting Agency: STANISLAUS COUNTY
 Latitude: 37.39336
 Longitude: -121.07182

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

C22 **QWIK-SERV MARKET**
ENE **22025 S HIGHWAY 33**
1/8-1/4 **CROWS LANDING, CA 95313**
0.241 mi.
1272 ft. **Site 9 of 9 in cluster C**

UST **U004261437**
 N/A

Relative: **UST:**
Lower Name: QWIK-SERV MARKET
 Address: 22025 S HIGHWAY 33
Actual: City,State,Zip: CROWS LANDING, CA 95313
114 ft. Facility ID: Inactive
 Permitting Agency: Stanislaus County Environmental Resources
 Latitude: 37.39297
 Longitude: -121.07193

 Name: QWIK-SERV MARKET
 Address: 22025 S HIGHWAY 33
 City,State,Zip: CROWS LANDING, CA 95313
 Facility ID: 05
 Permitting Agency: Stanislaus County Environmental Resource
 Latitude: 37.39297
 Longitude: -121.07193

E23 **AT&T CALIFORNIA - UG109**
East **22118 G ST**
1/8-1/4 **CROWS LANDING, CA 95313**
0.242 mi.
1276 ft. **Site 1 of 4 in cluster E**

CERS HAZ WASTE **S119106735**
CUPA Listings **N/A**
CERS

Relative: **CERS HAZ WASTE:**
Lower Name: AT&T CALIFORNIA - UG109
 Address: 22118 G ST
Actual: City,State,Zip: CROWS LANDING, CA 95313
115 ft. Site ID: 438458
 CERS ID: 10178401
 CERS Description: Hazardous Waste Generator

CUPA STANISLAUS:
Name: AT&T CALIFORNIA - UG109
Address: 22118 G ST
Address2: 22118 G ST
City,State,Zip: CROWS LANDING, CA 95313
Region: STANISLAUS
Facility ID: FA0001898
CERS ID: 10178401
Facility Status: Active
Program/Element: 4401 - GEN - CESQG
Mailing Address: 308 S. Akard St., 17th Floor
Mailing City: Dallas
Mailing State: TX
Mailing Zip: 75202
Latitude: 37.3917799
Longitude: -121.071659

Name: AT&T CALIFORNIA - UG109
Address: 22118 G ST
Address2: 22118 G ST
City,State,Zip: CROWS LANDING, CA 95313
Region: STANISLAUS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AT&T CALIFORNIA - UG109 (Continued)

S119106735

Facility ID: FA0001898
CERS ID: 10178401
Facility Status: Active
Program/Element: 9101 - CERS - CA ELECTRONIC REPORTING SYSTEM FEE
Mailing Address: 308 S. Akard St., 17th Floor
Mailing City: Dallas
Mailing State: TX
Mailing Zip: 75202
Latitude: 37.3917799
Longitude: -121.071659

Name: AT&T CALIFORNIA - UG109
Address: 22118 G ST
Address2: 22118 G ST
City,State,Zip: CROWS LANDING, CA 95313
Region: STANISLAUS
Facility ID: FA0001898
CERS ID: 10178401
Facility Status: Active
Program/Element: 5015 - CUPA OVERSIGHT STATE SURCHARGE
Mailing Address: 308 S. Akard St., 17th Floor
Mailing City: Dallas
Mailing State: TX
Mailing Zip: 75202
Latitude: 37.3917799
Longitude: -121.071659

Name: AT&T CALIFORNIA - UG109
Address: 22118 G ST
Address2: 22118 G ST
City,State,Zip: CROWS LANDING, CA 95313
Region: STANISLAUS
Facility ID: FA0001898
CERS ID: 10178401
Facility Status: Active
Program/Element: 4201 - BUSINESS PLAN FEE 1-4 CHEMICAL
Mailing Address: 308 S. Akard St., 17th Floor
Mailing City: Dallas
Mailing State: TX
Mailing Zip: 75202
Latitude: 37.3917799
Longitude: -121.071659

CERS:
Name: AT&T CALIFORNIA - UG109
Address: 22118 G ST
City,State,Zip: CROWS LANDING, CA 95313
Site ID: 438458
CERS ID: 10178401
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-05-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AT&T CALIFORNIA - UG109 (Continued)

S119106735

Eval Division: Stanislaus County Environmental Resources
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-19-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Stanislaus County Environmental Resources
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-13-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: inspection
Eval Division: Stanislaus County Environmental Resources
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-16-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Routine inspection.
Eval Division: Stanislaus County Environmental Resources
Eval Program: HMRRP
Eval Source: CERS

Coordinates:

Site ID: 438458
Facility Name: AT&T California - UG109
Env Int Type Code: HMBP
Program ID: 10178401
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 37.391780
Longitude: -121.071660

Affiliation:

Affiliation Type Desc: Parent Corporation
Entity Name: Pacific Bell Telephone Company dba AT&T California
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: Pacific Bell Telephone Company dba AT&T California
Entity Title: Not reported
Affiliation Address: 308 S. Akard St., 17th Floor

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AT&T CALIFORNIA - UG109 (Continued)

S119106735

Affiliation City: Dallas
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 75202
Affiliation Phone: (214) 464-1712

Affiliation Type Desc: Environmental Contact
Entity Name: AT&T EH&S Hotline - Option #1
Entity Title: Not reported
Affiliation Address: 308 S. Akard St., 17th Floor
Affiliation City: Dallas
Affiliation State: TX
Affiliation Country: Not reported
Affiliation Zip: 75202
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 308 S. Akard St., 17th Floor
Affiliation City: Dallas
Affiliation State: TX
Affiliation Country: Not reported
Affiliation Zip: 75202
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Jeremy McGrue
Entity Title: National EPCRA Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: AT&T California
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (800) 566-9347

Affiliation Type Desc: Legal Owner
Entity Name: Pacific Bell Telephone Company dba AT&T California
Entity Title: Not reported
Affiliation Address: 308 S. Akard St., 17th Floor
Affiliation City: Dallas
Affiliation State: TX
Affiliation Country: United States
Affiliation Zip: 75202
Affiliation Phone: (214) 464-1712

Affiliation Type Desc: CUPA District

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

AT&T CALIFORNIA - UG109 (Continued)

S119106735

Entity Name:	Stanislaus Cnty Env Res.
Entity Title:	Not reported
Affiliation Address:	3800 Cornucopia Way, Suite C
Affiliation City:	Modesto
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95358-9494
Affiliation Phone:	(209) 525-6700
Affiliation Type Desc:	Document Preparer
Entity Name:	Peter Burnell, Sigma Consultants, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

E24 **MOHAMED OBEID**
ENE **22031 HIGHWAY 33**
1/8-1/4 **CROWS LANDING, CA 95363**
0.247 mi.
1306 ft.

RCRA NonGen / NLR **1026053040**
CAC003059939

Site 2 of 4 in cluster E

Relative:	RCRA-LQG:	
Lower	Date Form Received by Agency:	2020-03-13 00:00:00.0
Actual:	Handler Name:	MOHAMED OBEID
114 ft.	Handler Address:	22031 HIGHWAY 33
	Handler City,State,Zip:	CROWS LANDING, CA 95363
	EPA ID:	CAC003059939
	Contact Name:	JIMMY OBEID
	Contact Address:	1320 SAMANTHA CREEK DR
	Contact City,State,Zip:	PATTERSON, CA 95363-8749
	Contact Telephone:	209-596-0218
	Contact Fax:	Not reported
	Contact Email:	PROJECT@ETABATEMENT.COM
	Contact Title:	Not reported
	EPA Region:	09
	Land Type:	Not reported
	Federal Waste Generator Description:	Not a generator, verified
	Non-Notifier:	Not reported
	Biennial Report Cycle:	Not reported
	Accessibility:	Not reported
	Active Site Indicator:	Not reported
	State District Owner:	Not reported
	State District:	Not reported
	Mailing Address:	1320 SAMANTHA CREEK DR
	Mailing City,State,Zip:	PATTERSON, CA 95363-8749
	Owner Name:	MOHAMED OBEID
	Owner Type:	Other
	Operator Name:	JIMMY OBEID
	Operator Type:	Other
	Short-Term Generator Activity:	No
	Importer Activity:	No
	Mixed Waste Generator:	No
	Transporter Activity:	No

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MOHAMED OBEID (Continued)

1026053040

Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRC Permit Baseline:	Not on the Baseline
2018 GPRC Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRC Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDs Where RCRA CA has Been Imposed Universe:	No
TSDs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSD Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2020-03-13 17:51:54.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No
Handler - Owner Operator:	
Owner/Operator Indicator:	Owner
Owner/Operator Name:	MOHAMED OBEID
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

MOHAMED OBEID (Continued)

1026053040

Owner/Operator Address: 1320 SAMANTHA CREEK DR
 Owner/Operator City,State,Zip: PATTERSON, CA 95363-8749
 Owner/Operator Telephone: 209-596-0218
 Owner/Operator Telephone Ext: Not reported
 Owner/Operator Fax: Not reported
 Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
 Owner/Operator Name: JIMMY OBEID
 Legal Status: Other
 Date Became Current: Not reported
 Date Ended Current: Not reported
 Owner/Operator Address: 1320 SAMANTHA CREEK DR
 Owner/Operator City,State,Zip: PATTERSON, CA 95363-8749
 Owner/Operator Telephone: 209-596-0218
 Owner/Operator Telephone Ext: Not reported
 Owner/Operator Fax: Not reported
 Owner/Operator Email: Not reported

Historic Generators:

Receive Date: 2020-03-13 00:00:00.0
 Handler Name: MOHAMED OBEID
 Federal Waste Generator Description: Not a generator, verified
 State District Owner: Not reported
 Large Quantity Handler of Universal Waste: No
 Recognized Trader Importer: No
 Recognized Trader Exporter: No
 Spent Lead Acid Battery Importer: No
 Spent Lead Acid Battery Exporter: No
 Current Record: Yes
 Non Storage Recycler Activity: Not reported
 Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 56299
 NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

E25
East
1/4-1/2
0.267 mi.
1408 ft.

WESTSIDE EQUIPMENT CO
18 FINK
CROWS LANDING, CA 95313
Site 3 of 4 in cluster E

LUST **S101309895**
CPS-SLIC **N/A**
Cortese
HIST CORTESE
CERS

Relative:
Lower
Actual:
115 ft.

LUST:
 Name: WESTSIDE EQUIPMENT CO
 Address: 18 FINK
 City,State,Zip: CROWS LANDING, CA 95313
 Lead Agency: STANISLAUS COUNTY
 Case Type: LUST Cleanup Site
 Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609900258
 Global Id: T0609900258
 Latitude: 37.390779
 Longitude: -121.070085
 Status: Completed - Case Closed
 Status Date: 03/05/1996
 Case Worker: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTSIDE EQUIPMENT CO (Continued)

S101309895

RB Case Number: 500317
Local Agency: Not reported
File Location: Local Agency
Local Case Number: 1060
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel, Xylene
Site History: Not reported

LUST:

Global Id: T0609900258
Contact Type: Regional Board Caseworker
Contact Name: VERA J. FISCHER
Organization Name: CENTRAL VALLEY RWQCB (REGION 5S)
Address: 11020 SUN CENTER DRIVE #200
City: RANCHO CORDOVA
Email: vera.fischer@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0609900258
Action Type: REMEDIATION
Date: 02/01/1993
Action: Excavation

Global Id: T0609900258
Action Type: ENFORCEMENT
Date: 02/01/1993
Action: Notice of Responsibility

Global Id: T0609900258
Action Type: Other
Date: 02/01/1993
Action: Leak Reported

LUST:

Global Id: T0609900258
Status: Open - Case Begin Date
Status Date: 02/01/1993

Global Id: T0609900258
Status: Completed - Case Closed
Status Date: 03/05/1996

LUST REG 5:

Name: WESTSIDE EQUIPMENT CO
Address: 18 FINK
City: CROWS LANDING
Region: 5
Status: Case Closed
Case Number: 500317
Case Type: Soil only
Substance: Not reported
Staff Initials: MTS
Lead Agency: Local
Program: LUFT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTSIDE EQUIPMENT CO (Continued)

S101309895

MTBE Code: N/A

SLIC REG 5:

Name: Westside Equipment Company
Address: 18 Fink Rd
City: Crows Landing
Region: 5
Facility Status: Remediation Underway
Unit: Facility is a Spill or site
Pollutant: TPH - d
Lead Agency: Not reported
Date Filed: 03/05/96
Report Date: 08/05/93
Date Added: Not reported
Date Closed: Not reported

CPS-SLIC:

Name: WESTSIDE EQUIPMENT COMPANY
Address: 18 FINK ROAD
City,State,Zip: CROWS LANDING, CA
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 03/05/1996
Global Id: SLT5S3193355
Lead Agency: CENTRAL VALLEY RWQCB (REGION 5S)
Lead Agency Case Number: Not reported
Latitude: 37.390479506
Longitude: -121.07218214
Case Type: Cleanup Program Site
Case Worker: ZZZ
Local Agency: Not reported
RB Case Number: SLT5S319
File Location: Not reported
Potential Media Affected: Under Investigation
Potential Contaminants of Concern: Diesel
Site History: This project is duplicative with T0609900258. Diesel fuel leaked from an aboveground storage tank. Soil was excavated and treated. Project closed by the County.

Click here to access the California GeoTracker records for this facility:

Name: WSP COMMERCIAL INVESTMENTS LLC - WESTSIDE EQUIPMENT COMPANY SITE
Address: 18 FINK ROAD
City,State,Zip: CROWS LANDING, CA 95313
Region: STATE
Facility Status: Open - Remediation
Status Date: 10/07/2019
Global Id: T10000013684
Lead Agency: CENTRAL VALLEY RWQCB (REGION 5S)
Lead Agency Case Number: Not reported
Latitude: 37.39055
Longitude: -121.06979
Case Type: Cleanup Program Site
Case Worker: WLB
Local Agency: Not reported
RB Case Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTSIDE EQUIPMENT CO (Continued)

S101309895

File Location: All Files are on GeoTracker or in the Local Agency Database
Potential Media Affected: Soil, Under Investigation
Potential Contaminants of Concern: DDD / DDE / DDT, Other Insecticides / Pesticide / Fumigants / Herbicides, Arsenic, Polynuclear aromatic hydrocarbons (PAHs), Total Petroleum Hydrocarbons (TPH)
Site History: Buried drums found during installation of new concrete pad behind site building. Property previously owned by chemical supply company named Chem-Air in 1960s*1970s then Joe Smith in 1970s-1980s. Purchased by Westside Equipment in late 19801s or early 1990s. Approximately twenty 30-gallon steel drums, several 1-gallon steel drums, and several 1-gallon glass containers discovered. One drum labeled "DOW Selective Weed Killer: A Dinitro Weed Killer". Others labeled "Stauffer Chemicals". No other legible container labels observed.

[Click here to access the California GeoTracker records for this facility:](#)

CORTESE:

Name: WESTSIDE EQUIPMENT CO
Address: 18 FINK
City,State,Zip: CROWS LANDING, CA 95313
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0609900258
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:

edr_fname: WESTERN EQUIPMENT
edr_fadd1: 18 FINK
City,State,Zip: CROWS LANDING, CA
Region: CORTESE
Facility County Code: 50
Reg By: LTNKA
Reg Id: 500317

CERS:

Name: WSP COMMERCIAL INVESTMENTS LLC - WESTSIDE EQUIPMENT COMPANY SITE
Address: 18 FINK ROAD
City,State,Zip: CROWS LANDING, CA 95313

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

WESTSIDE EQUIPMENT CO (Continued)

S101309895

Site ID: 558328
 CERS ID: T10000013684
 CERS Description: Cleanup Program Site

Affiliation:
 Affiliation Type Desc: Regional Board Caseworker
 Entity Name: MARK PAUL BARE - CENTRAL VALLEY RWQCB (REGION 5S)
 Entity Title: Not reported
 Affiliation Address: 11020 SUN CENTER DRIVE #200
 Affiliation City: RANCHO CORDOVA
 Affiliation State: CA
 Affiliation Country: Not reported
 Affiliation Zip: Not reported
 Affiliation Phone: Not reported

Name: WESTSIDE EQUIPMENT COMPANY
 Address: 18 FINK ROAD
 City,State,Zip: CROWS LANDING, CA
 Site ID: 216035
 CERS ID: SLT5S3193355
 CERS Description: Cleanup Program Site

Affiliation:
 Affiliation Type Desc: Regional Board Caseworker
 Entity Name: zzz - CENTRAL VALLEY RWQCB (REGION 5S)
 Entity Title: Not reported
 Affiliation Address: 11020 SUN CENTER DRIVE #200
 Affiliation City: RANCHO CORDOVA
 Affiliation State: CA
 Affiliation Country: Not reported
 Affiliation Zip: Not reported
 Affiliation Phone: Not reported

E26 **Q PLUS AUTOMOTIVE**
East **22160 33**
1/4-1/2 **CROWS LANDING, CA 95313**
0.346 mi.
1825 ft. **Site 4 of 4 in cluster E**

LUST **S104163029**
Cortese **N/A**
HIST CORTESE
CERS

Relative: **LUST:**
Lower Name: Q PLUS
 Address: 22160 HWY 33
 City,State,Zip: CROWS LANDING, CA 95313
 Lead Agency: CENTRAL VALLEY RWQCB (REGION 5S)
 Case Type: LUST Cleanup Site
 Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0609900113
 Global Id: T0609900113
 Latitude: 37.391522265
 Longitude: -121.06990131
 Status: Open - Verification Monitoring
 Status Date: 07/26/2016
 Case Worker: BJL
 RB Case Number: 500130
 Local Agency: Not reported
 File Location: Local Agency
 Local Case Number: Not reported
 Potential Media Affect: Aquifer used for drinking water supply

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

Q PLUS AUTOMOTIVE (Continued)

S104163029

Potential Contaminants of Concern: Gasoline
Site History: Closure documents and public participation docs have been completed and submitted for comment. No comments regarding the proposed closure of the site under the SWRCB UST LTCP. Agency has requested well destruction workplan from RP. Upon well destruction completion the RACC will be issued and closure completed.

LUST:

Global Id: T0609900113
Contact Type: Regional Board Caseworker
Contact Name: BENJAMIN LEHMANN
Organization Name: CENTRAL VALLEY RWQCB (REGION 5S)
Address: 11020 Sun Center Drive #200
City: RANCHO CORDOVA
Email: benjamin.lehmann@waterboards.ca.gov
Phone Number: 9164644760

LUST:

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 09/15/2004
Action: File review

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 07/30/2004
Action: Staff Letter

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 07/21/2004
Action: Staff Letter

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 06/18/2003
Action: Staff Letter

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 10/07/2003
Action: Staff Letter

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 08/30/2005
Action: Notice to Comply

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 03/09/1998
Action: Staff Letter

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 06/18/1998
Action: Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

Q PLUS AUTOMOTIVE (Continued)

S104163029

Global Id:	T0609900113
Action Type:	ENFORCEMENT
Date:	01/11/2002
Action:	Staff Letter
Global Id:	T0609900113
Action Type:	ENFORCEMENT
Date:	07/08/2014
Action:	Staff Letter
Global Id:	T0609900113
Action Type:	ENFORCEMENT
Date:	09/20/2019
Action:	Staff Letter
Global Id:	T0609900113
Action Type:	RESPONSE
Date:	11/01/2009
Action:	Monitoring Report - Quarterly
Global Id:	T0609900113
Action Type:	RESPONSE
Date:	02/06/2005
Action:	Soil and Water Investigation Report
Global Id:	T0609900113
Action Type:	RESPONSE
Date:	03/13/1989
Action:	Other Report / Document
Global Id:	T0609900113
Action Type:	RESPONSE
Date:	08/31/1998
Action:	Soil and Water Investigation Report
Global Id:	T0609900113
Action Type:	RESPONSE
Date:	01/21/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0609900113
Action Type:	ENFORCEMENT
Date:	03/10/2006
Action:	Notice of Responsibility
Global Id:	T0609900113
Action Type:	ENFORCEMENT
Date:	04/02/2008
Action:	Staff Letter
Global Id:	T0609900113
Action Type:	ENFORCEMENT
Date:	08/11/2011
Action:	Staff Letter
Global Id:	T0609900113
Action Type:	ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

Q PLUS AUTOMOTIVE (Continued)

S104163029

Date: 08/09/2010
Action: Staff Letter

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 01/11/2017
Action: Staff Letter

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 06/28/2011
Action: Staff Letter

Global Id: T0609900113
Action Type: Other
Date: 11/16/1988
Action: Leak Discovery

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 12/03/2007
Action: Staff Letter

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 01/23/2017
Action: Technical Correspondence / Assistance / Other

Global Id: T0609900113
Action Type: REMEDIATION
Date: 07/11/2008
Action: Soil Vapor Extraction (SVE)

Global Id: T0609900113
Action Type: REMEDIATION
Date: 08/12/2008
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 04/22/2004
Action: Staff Letter

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 10/04/2013
Action: Notification - Public Participation Document

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 08/20/2012
Action: Site Visit / Inspection / Sampling

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 10/04/2013
Action: Notification - Fee Title Owners Notice

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

Q PLUS AUTOMOTIVE (Continued)

S104163029

Global Id:	T0609900113
Action Type:	ENFORCEMENT
Date:	02/03/2017
Action:	Staff Letter
Global Id:	T0609900113
Action Type:	RESPONSE
Date:	02/01/2012
Action:	Monitoring Report - Semi-Annually
Global Id:	T0609900113
Action Type:	RESPONSE
Date:	08/30/2011
Action:	Site Assessment Report
Global Id:	T0609900113
Action Type:	ENFORCEMENT
Date:	07/15/2008
Action:	Staff Letter
Global Id:	T0609900113
Action Type:	ENFORCEMENT
Date:	10/11/2013
Action:	Notification - Public Participation Document
Global Id:	T0609900113
Action Type:	ENFORCEMENT
Date:	11/05/2008
Action:	Staff Letter
Global Id:	T0609900113
Action Type:	ENFORCEMENT
Date:	11/20/2013
Action:	LOP Case Closure Summary to RB
Global Id:	T0609900113
Action Type:	Other
Date:	11/16/1988
Action:	Leak Reported
Global Id:	T0609900113
Action Type:	ENFORCEMENT
Date:	06/17/2009
Action:	Staff Letter
Global Id:	T0609900113
Action Type:	ENFORCEMENT
Date:	12/04/2013
Action:	Staff Letter
Global Id:	T0609900113
Action Type:	ENFORCEMENT
Date:	04/23/1990
Action:	Staff Letter
Global Id:	T0609900113
Action Type:	ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

Q PLUS AUTOMOTIVE (Continued)

S104163029

Date: 05/19/1991
Action: * Historical Enforcement - #on file

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 11/24/2009
Action: Staff Letter

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 04/23/1991
Action: Staff Letter

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 12/28/1994
Action: Staff Letter

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 01/09/1995
Action: Staff Letter

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 02/08/2007
Action: Staff Letter

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 06/21/1989
Action: Staff Letter

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 09/22/1993
Action: Staff Letter

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 09/04/1996
Action: Staff Letter

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 11/22/1996
Action: Staff Letter

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 10/27/1999
Action: Staff Letter

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 03/13/2015
Action: Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

Q PLUS AUTOMOTIVE (Continued)

S104163029

Global Id:	T0609900113
Action Type:	ENFORCEMENT
Date:	12/12/1988
Action:	Staff Letter
Global Id:	T0609900113
Action Type:	ENFORCEMENT
Date:	02/21/1989
Action:	Staff Letter
Global Id:	T0609900113
Action Type:	ENFORCEMENT
Date:	04/04/1996
Action:	Staff Letter
Global Id:	T0609900113
Action Type:	ENFORCEMENT
Date:	10/05/2007
Action:	Staff Letter
Global Id:	T0609900113
Action Type:	RESPONSE
Date:	08/01/2009
Action:	Monitoring Report - Semi-Annually
Global Id:	T0609900113
Action Type:	RESPONSE
Date:	08/01/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0609900113
Action Type:	RESPONSE
Date:	08/01/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0609900113
Action Type:	RESPONSE
Date:	02/01/2011
Action:	Monitoring Report - Semi-Annually
Global Id:	T0609900113
Action Type:	RESPONSE
Date:	09/23/2002
Action:	Soil and Water Investigation Workplan
Global Id:	T0609900113
Action Type:	RESPONSE
Date:	10/20/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0609900113
Action Type:	RESPONSE
Date:	06/07/2004
Action:	Soil and Water Investigation Workplan
Global Id:	T0609900113
Action Type:	ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

Q PLUS AUTOMOTIVE (Continued)

S104163029

Date: 10/02/2002
Action: * Historical Enforcement

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 10/12/2005
Action: Meeting

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 02/09/2010
Action: Staff Letter

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 10/17/2006
Action: Staff Letter

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 03/23/2007
Action: Staff Letter

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 11/16/1998
Action: Staff Letter

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 06/23/2004
Action: Staff Letter

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 12/08/2004
Action: Staff Letter

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 09/14/2005
Action: Staff Letter

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 02/15/2006
Action: Staff Letter

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 03/22/1989
Action: Unauthorized Release Form

Global Id: T0609900113
Action Type: ENFORCEMENT
Date: 02/10/2000
Action: Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

Q PLUS AUTOMOTIVE (Continued)

S104163029

Global Id:	T0609900113
Action Type:	ENFORCEMENT
Date:	08/06/2004
Action:	Staff Letter
Global Id:	T0609900113
Action Type:	ENFORCEMENT
Date:	09/22/2004
Action:	Staff Letter
Global Id:	T0609900113
Action Type:	ENFORCEMENT
Date:	02/28/2005
Action:	Staff Letter
Global Id:	T0609900113
Action Type:	ENFORCEMENT
Date:	03/22/1989
Action:	Staff Letter
Global Id:	T0609900113
Action Type:	RESPONSE
Date:	02/01/2010
Action:	Monitoring Report - Semi-Annually
Global Id:	T0609900113
Action Type:	RESPONSE
Date:	11/18/2003
Action:	Soil and Water Investigation Report
Global Id:	T0609900113
Action Type:	RESPONSE
Date:	01/27/1989
Action:	Other Report / Document
Global Id:	T0609900113
Action Type:	RESPONSE
Date:	06/04/1998
Action:	Soil and Water Investigation Workplan
Global Id:	T0609900113
Action Type:	RESPONSE
Date:	09/20/2007
Action:	Other Report / Document
Global Id:	T0609900113
Action Type:	RESPONSE
Date:	04/23/2004
Action:	Monitoring Report - Quarterly
Global Id:	T0609900113
Action Type:	RESPONSE
Date:	07/14/2004
Action:	Monitoring Report - Quarterly
LUST:	
Global Id:	T0609900113

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

Q PLUS AUTOMOTIVE (Continued)

S104163029

Status: Open - Case Begin Date
Status Date: 11/16/1988

Global Id: T0609900113
Status: Open - Site Assessment
Status Date: 09/23/2002

Global Id: T0609900113
Status: Open - Verification Monitoring
Status Date: 07/26/2016

LUST REG 5:

Name: Q PLUS
Address: 22160 HWY 33
City: CROWS LANDING
Region: 5
Status: Preliminary site assessment workplan submitted
Case Number: 500130
Case Type: Drinking Water Aquifer affected
Substance: GASOLINE
Staff Initials: MTS
Lead Agency: Local
Program: LUST
MTBE Code: 1

CORTESE:

Name: Q PLUS
Address: 22160 HWY 33
City,State,Zip: CROWS LANDING, CA 95313
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0609900113
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: OPEN - VERIFICATION MONITORING
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:

edr_fname: Q PLUS AUTOMOTIVE
edr_fadd1: 22160 33
City,State,Zip: CROWS LANDING, CA 95313

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

Q PLUS AUTOMOTIVE (Continued)

S104163029

Region: CORTESE
Facility County Code: 50
Reg By: LTNKA
Reg Id: 500130

CERS:

Name: Q PLUS
Address: 22160 HWY 33
City,State,Zip: CROWS LANDING, CA 95313
Site ID: 208928
CERS ID: T0609900113
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker
Entity Name: BENJAMIN LEHMANN - CENTRAL VALLEY RWQCB (REGION 5S)
Entity Title: Not reported
Affiliation Address: 11020 Sun Center Drive #200
Affiliation City: RANCHO CORDOVA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 9164644760

27
NNW
1/4-1/2
0.381 mi.
2011 ft.

**NAVAL AIR LOGISTICS FORCE
CROWS LANDING
CROWS LANDING, CA 95313**

**SEMS-ARCHIVE 1015732574
CA3170090192**

**Relative:
Higher
Actual:
122 ft.**

SEMS Archive:
Site ID: 0903442
EPA ID: CA3170090192
Name: NAVAL AIR LOGISTICS FORCE
Address: CROWS LANDING
Address 2: Not reported
City,State,Zip: CROWS LANDING, CA 95313
Cong District: 12
FIPS Code: 06099
FF: Y
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region: 09
Site ID: 0903442
EPA ID: CA3170090192
Site Name: NAVAL AIR LOGISTICS FORCE
NPL: N
FF: Y
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1990-07-13 04:00:00
Qual: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NAVAL AIR LOGISTICS FORCE (Continued)

1015732574

Current Action Lead:	EPA Perf In-Hse
Region:	09
Site ID:	0903442
EPA ID:	CA3170090192
Site Name:	NAVAL AIR LOGISTICS FORCE
NPL:	N
FF:	Y
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	1990-07-13 04:00:00
Qual:	H
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0903442
EPA ID:	CA3170090192
Site Name:	NAVAL AIR LOGISTICS FORCE
NPL:	N
FF:	Y
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1988-05-01 04:00:00
Finish Date:	1988-05-01 04:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0903442
EPA ID:	CA3170090192
Site Name:	NAVAL AIR LOGISTICS FORCE
NPL:	N
FF:	Y
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	Not reported
Finish Date:	1990-07-13 04:00:00
Qual:	N
Current Action Lead:	Fed Fac

Count: 49 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CROWS LANDING	S109291632	CROW'S LANDING NAVAL AUXILIARY LAN	BELL ROAD		MCS
CROWS LANDING	S109291627	CROW'S LANDING NAVAL AUXILIARY LAN	BELL ROAD		MCS
CROWS LANDING	S109291621	CROW'S LANDING NAVAL AUXILIARY LAN	BELL ROAD		MCS
CROWS LANDING	S108277134	CROWS LANDING NAVAL AUXILLARY LAND	BELL ROAD		LUST
CROWS LANDING	S112285005	CROWS LANDING NAVAL AUXILLARY LAND	BELL ROAD		SPILLS 90
CROWS LANDING	S112285004	CROWS LANDING NAVAL AUXILLARY FIEL	BELL ROAD		SPILLS 90
CROWS LANDING	S112285003	CROWS LANDING NAVAL AUXILLARY LAND	BELL ROAD		SPILLS 90
CROWS LANDING	S112285002	CROWS LANDING NAVAL AUXILLARY LAND	BELL ROAD		SPILLS 90
CROWS LANDING	S112285000	CROWS LANDING NAVAL AUXILLARY LAND	BELL ROAD		SPILLS 90
CROWS LANDING	S112284999	CROWS LANDING NAVAL AUXILLARY LAND	BELL ROAD		SPILLS 90
CROWS LANDING	U004269280	CROW'S LANDING NAVAL AUXILIARY LAN	BELL ROAD		UST
CROWS LANDING	U004269287	CROW'S LANDING NAVAL AUXILIARY LAN	BELL ROAD		UST
CROWS LANDING	U004269282	CROW'S LANDING NAVAL AUXILIARY LAN	BELL ROAD		UST
CROWS LANDING	U004269278	CROW'S LANDING NAVAL AUXILIARY LAN	BELL ROAD		UST
CROWS LANDING	U004269283	CROW'S LANDING NAVAL AUXILIARY LAN	BELL ROAD		UST
CROWS LANDING	U004269279	CROW'S LANDING NAVAL AUXILIARY LAN	BELL ROAD		UST
CROWS LANDING	U004269290	CROW'S LANDING NAVAL AUXILIARY LAN	BELL ROAD		UST
CROWS LANDING	U004269286	CROW'S LANDING NAVAL AUXILIARY LAN	BELL ROAD		UST
CROWS LANDING	U004269285	CROW'S LANDING NAVAL AUXILIARY LAN	BELL ROAD		UST
CROWS LANDING	U004269281	CROW'S LANDING NAVAL AUXILIARY LAN	BELL ROAD		UST
CROWS LANDING	U004269284	CROW'S LANDING NAVAL AUXILIARY LAN	BELL ROAD		UST
CROWS LANDING	U004269289	CROW'S LANDING NAVAL AUXILIARY LAN	BELL ROAD		UST
CROWS LANDING	S114608098	CROWS LANDING NAVAL AUXILLARY LAND	BELL ROAD		RGA LUST
CROWS LANDING	S114608097	CROWS LANDING NAVAL AUXILLARY LAND	BELL ROAD		RGA LUST
CROWS LANDING	S114608096	CROWS LANDING NAVAL AUXILLARY LAND	BELL ROAD		RGA LUST
CROWS LANDING	S114608095	CROWS LANDING NAVAL AUXILLARY LAND	BELL ROAD		RGA LUST
CROWS LANDING	S114608094	CROWS LANDING NAVAL AUXILLARY LAND	BELL ROAD		RGA LUST
CROWS LANDING	S114608093	CROWS LANDING NAVAL AUXILLARY LAND	BELL ROAD		RGA LUST
CROWS LANDING	S114608092	CROWS LANDING NAVAL AUXILLARY LAND	BELL ROAD		RGA LUST
CROWS LANDING	S114608091	CROWS LANDING NAVAL AUXILLARY LAND	BELL ROAD		RGA LUST
CROWS LANDING	S114608090	CROWS LANDING NAVAL AUXILLARY LAND	BELL ROAD		RGA LUST
CROWS LANDING	S114608089	CROWS LANDING NAVAL AUXILLARY LAND	BELL ROAD		RGA LUST
CROWS LANDING	S114608088	CROWS LANDING NAVAL AUXILLARY LAND	BELL ROAD		RGA LUST
CROWS LANDING	S114608087	CROWS LANDING NAVAL AUXILLARY LAND	BELL ROAD		RGA LUST
CROWS LANDING	S114608086	CROWS LANDING NAVAL AUXILLARY LAND	BELL ROAD		RGA LUST
CROWS LANDING	S114608085	CROWS LANDING NAVAL AUXILIARY LAND	BELL ROAD		RGA LUST
CROWS LANDING	S114608084	CROWS LANDING NAVAL AUXILIARY LAND	BELL ROAD		RGA LUST
CROWS LANDING	S114608082	CROWS LANDING NAVAL AUX ILLARY LAN	BELL ROAD		RGA LUST
CROWS LANDING	1023368163	CROW'S LANDING NAVAL AUXILIARY LAN	BELL ROAD	95313	FINDS
CROWS LANDING	1023347367	CROW'S LANDING NAVAL AUXILIARY LAN	BELL ROAD	95313	FINDS
CROWS LANDING	1023258087	CROW'S LANDING NAVAL AUXILIARY LAN	BELL ROAD	95313	FINDS
CROWS LANDING	S104403847	NALF UST-117	CROWS LANDING RD	95313	LUST, HIST CORTESE
CROWS LANDING	S107538506		FINK RD, 1/2 MI W OF I-5	95313	CDL

Count: 49 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CROWS LANDING	S107538505		FINK RD (X-0.5 MI W OF I-5)	95313	CDL
CROWS LANDING	S107538503		FINK RD (1/4 MI W OF I-5)	95313	CDL
NEWMAN	S107540741		SOUTH I-5, SE OF NEWMAN	95360	CDL
NEWMAN	S107538896		I-5, SOUTH BOUND VISTA POINT @	95360	CDL
PATTERSON	S107538507		FINK RD, STANISLAUS COUNTY LAN	95363	CDL
PATTERSON	S107527143		11.5 MLES W OF I-5 DEL PUERTO		CDL

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/29/2020	Source: EPA
Date Data Arrived at EDR: 08/03/2020	Telephone: N/A
Date Made Active in Reports: 08/25/2020	Last EDR Contact: 09/03/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/12/2020
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 07/29/2020	Source: EPA
Date Data Arrived at EDR: 08/03/2020	Telephone: N/A
Date Made Active in Reports: 08/25/2020	Last EDR Contact: 09/03/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/12/2020
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/29/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 08/25/2020
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 09/03/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/02/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/29/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 08/25/2020
Number of Days to Update: 22

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/03/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 07/29/2020	Source: EPA
Date Data Arrived at EDR: 08/03/2020	Telephone: 800-424-9346
Date Made Active in Reports: 08/25/2020	Last EDR Contact: 09/03/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/26/2020
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/15/2020	Source: EPA
Date Data Arrived at EDR: 06/22/2020	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 87	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/15/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/22/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 09/18/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 88	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/15/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/22/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 09/18/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 88	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/15/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/22/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 09/18/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 88	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/15/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/22/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 09/18/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 88	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/15/2020	Source: Department of the Navy
Date Data Arrived at EDR: 05/19/2020	Telephone: 843-820-7326
Date Made Active in Reports: 06/18/2020	Last EDR Contact: 08/04/2020
Number of Days to Update: 30	Next Scheduled EDR Contact: 11/23/2020
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/20/2020	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 08/24/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 12/07/2020
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/20/2020	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 08/24/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 12/07/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/15/2020

Date Data Arrived at EDR: 06/22/2020

Date Made Active in Reports: 09/17/2020

Number of Days to Update: 87

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 06/22/2020

Next Scheduled EDR Contact: 10/05/2020

Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 04/27/2020

Date Data Arrived at EDR: 04/28/2020

Date Made Active in Reports: 07/13/2020

Number of Days to Update: 76

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 07/27/2020

Next Scheduled EDR Contact: 11/09/2020

Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 04/27/2020

Date Data Arrived at EDR: 04/28/2020

Date Made Active in Reports: 07/13/2020

Number of Days to Update: 76

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 07/27/2020

Next Scheduled EDR Contact: 11/09/2020

Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/11/2020

Date Data Arrived at EDR: 05/12/2020

Date Made Active in Reports: 07/27/2020

Number of Days to Update: 76

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 08/10/2020

Next Scheduled EDR Contact: 11/23/2020

Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Quarterly

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005	Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Date Data Arrived at EDR: 06/07/2005	Telephone: 760-241-7365
Date Made Active in Reports: 06/29/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001	Source: California Regional Water Quality Control Board North Coast (1)
Date Data Arrived at EDR: 02/28/2001	Telephone: 707-570-3769
Date Made Active in Reports: 03/29/2001	Last EDR Contact: 08/01/2011
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005	Source: California Regional Water Quality Control Board Santa Ana Region (8)
Date Data Arrived at EDR: 02/15/2005	Telephone: 909-782-4496
Date Made Active in Reports: 03/28/2005	Last EDR Contact: 08/15/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004	Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Date Data Arrived at EDR: 02/26/2004	Telephone: 760-776-8943
Date Made Active in Reports: 03/24/2004	Last EDR Contact: 08/01/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003	Source: California Regional Water Quality Control Board Lahontan Region (6)
Date Data Arrived at EDR: 09/10/2003	Telephone: 530-542-5572
Date Made Active in Reports: 10/07/2003	Last EDR Contact: 09/12/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/14/2020	Source: EPA Region 10
Date Data Arrived at EDR: 05/20/2020	Telephone: 206-553-2857
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 04/14/2020	Source: EPA Region 4
Date Data Arrived at EDR: 05/26/2020	Telephone: 404-562-8677
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/14/2020	Source: EPA, Region 5
Date Data Arrived at EDR: 05/20/2020	Telephone: 312-886-7439
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/29/2020	Source: EPA Region 1
Date Data Arrived at EDR: 05/20/2020	Telephone: 617-918-1313
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/08/2020	Source: EPA Region 6
Date Data Arrived at EDR: 05/20/2020	Telephone: 214-665-6597
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/15/2020	Source: EPA Region 7
Date Data Arrived at EDR: 05/20/2020	Telephone: 913-551-7003
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/14/2020	Source: EPA Region 8
Date Data Arrived at EDR: 05/20/2020	Telephone: 303-312-6271
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/20/2020	Telephone: 415-972-3372
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/08/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/09/2020	Telephone: 866-480-1028
Date Made Active in Reports: 08/19/2020	Last EDR Contact: 09/08/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 12/21/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 02/01/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/06/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/20/2020
Number of Days to Update: 72

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 05/26/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/20/2020
Number of Days to Update: 72

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 09/15/2020
Next Scheduled EDR Contact: 12/28/2020
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/26/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 78

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/03/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/08/2020	Source: EPA Region 9
Date Data Arrived at EDR: 05/20/2020	Telephone: 415-972-3368
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/01/2020
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/08/2020	Source: EPA Region 6
Date Data Arrived at EDR: 05/20/2020	Telephone: 214-665-7591
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/14/2020	Source: EPA Region 5
Date Data Arrived at EDR: 05/20/2020	Telephone: 312-886-6136
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/29/2020	Source: EPA, Region 1
Date Data Arrived at EDR: 05/20/2020	Telephone: 617-918-1313
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/14/2020	Source: EPA Region 8
Date Data Arrived at EDR: 05/20/2020	Telephone: 303-312-6137
Date Made Active in Reports: 08/13/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 04/27/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 04/28/2020	Telephone: 916-323-3400
Date Made Active in Reports: 07/13/2020	Last EDR Contact: 07/27/2020
Number of Days to Update: 76	Next Scheduled EDR Contact: 11/09/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 09/16/2020
Number of Days to Update: 142	Next Scheduled EDR Contact: 01/04/2021
	Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfields Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 06/22/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/22/2020	Telephone: 916-323-7905
Date Made Active in Reports: 09/04/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 74	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/01/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/02/2020	Telephone: 202-566-2777
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 09/15/2020
Number of Days to Update: 7	Next Scheduled EDR Contact: 12/28/2020
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 05/28/2020
Date Data Arrived at EDR: 05/29/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 75

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/04/2020
Next Scheduled EDR Contact: 11/23/2020
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 07/31/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 03/18/2020	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 03/19/2020	Telephone: 202-307-1000
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 08/19/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/07/2020
	Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 04/27/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 04/28/2020	Telephone: 916-323-3400
Date Made Active in Reports: 07/13/2020	Last EDR Contact: 07/27/2020
Number of Days to Update: 76	Next Scheduled EDR Contact: 11/09/2020
	Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 06/30/2019	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/28/2020	Telephone: 916-255-6504
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 07/09/2020
Number of Days to Update: 76	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Varies

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 04/20/2020	Source: CalEPA
Date Data Arrived at EDR: 04/21/2020	Telephone: 916-323-2514
Date Made Active in Reports: 07/13/2020	Last EDR Contact: 07/21/2020
Number of Days to Update: 83	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/19/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 05/20/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/06/2020
Number of Days to Update: 78

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 08/17/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 05/04/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 07/17/2020
Number of Days to Update: 72

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 04/20/2020
Date Data Arrived at EDR: 04/21/2020
Date Made Active in Reports: 07/09/2020
Number of Days to Update: 79

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Quarterly

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 05/28/2020
Date Data Arrived at EDR: 05/29/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 75

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/25/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 07/29/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 08/25/2020
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 09/03/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 06/01/2020	Source: DTSC and SWRCB
Date Data Arrived at EDR: 06/02/2020	Telephone: 916-323-3400
Date Made Active in Reports: 08/14/2020	Last EDR Contact: 08/31/2020
Number of Days to Update: 73	Next Scheduled EDR Contact: 12/14/2020
	Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/22/2020	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 06/23/2020	Telephone: 202-366-4555
Date Made Active in Reports: 09/17/2020	Last EDR Contact: 06/23/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 03/31/2020	Source: Office of Emergency Services
Date Data Arrived at EDR: 04/21/2020	Telephone: 916-845-8400
Date Made Active in Reports: 07/09/2020	Last EDR Contact: 07/21/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/08/2020	Source: State Water Quality Control Board
Date Data Arrived at EDR: 06/09/2020	Telephone: 866-480-1028
Date Made Active in Reports: 08/19/2020	Last EDR Contact: 09/08/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 12/21/2020
	Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/08/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/09/2020	Telephone: 866-480-1028
Date Made Active in Reports: 08/19/2020	Last EDR Contact: 09/08/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 12/21/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/15/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/22/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 09/18/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 88	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 05/13/2020	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 05/18/2020	Telephone: 202-528-4285
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 08/13/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 11/30/2020
	Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/09/2020
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 07/06/2020
Number of Days to Update: 574	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/05/2020
Next Scheduled EDR Contact: 11/23/2020
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 06/15/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 07/31/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/06/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/18/2020
Next Scheduled EDR Contact: 12/28/2020
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 79

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/14/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 03/01/2020
Date Data Arrived at EDR: 04/21/2020
Date Made Active in Reports: 07/15/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/29/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 08/25/2020
Number of Days to Update: 22

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/03/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 01/31/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 08/03/2020
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/15/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: 202-564-6023
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 09/03/2020
Number of Days to Update: 34	Next Scheduled EDR Contact: 11/16/2020
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/09/2019	Source: EPA
Date Data Arrived at EDR: 10/11/2019	Telephone: 202-566-0500
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 07/13/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 06/30/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/25/2019	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 10/25/2019	Telephone: 301-415-7169
Date Made Active in Reports: 01/15/2020	Last EDR Contact: 07/20/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2018	Source: Department of Energy
Date Data Arrived at EDR: 12/04/2019	Telephone: 202-586-8719
Date Made Active in Reports: 01/15/2020	Last EDR Contact: 09/04/2020
Number of Days to Update: 42	Next Scheduled EDR Contact: 12/14/2020
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 08/31/2020
Number of Days to Update: 251	Next Scheduled EDR Contact: 12/14/2020
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 08/06/2020
Number of Days to Update: 96	Next Scheduled EDR Contact: 11/16/2020
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 06/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 10/12/2020
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/27/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2020
Date Data Arrived at EDR: 07/15/2020
Date Made Active in Reports: 07/21/2020
Number of Days to Update: 6

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/06/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/07/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/21/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/29/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 08/25/2020
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/03/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/01/2020
Date Data Arrived at EDR: 05/21/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/25/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/28/2020
Date Data Arrived at EDR: 05/28/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 77

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 09/10/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/28/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/28/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 06/22/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 80

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/16/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/03/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 86

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 09/15/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/19/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/04/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/07/2020	Telephone: 202-564-2280
Date Made Active in Reports: 06/26/2020	Last EDR Contact: 07/02/2020
Number of Days to Update: 80	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018	Source: Department of Defense
Date Data Arrived at EDR: 07/02/2020	Telephone: 703-704-1564
Date Made Active in Reports: 09/17/2020	Last EDR Contact: 07/09/2020
Number of Days to Update: 77	Next Scheduled EDR Contact: 10/26/2020
	Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/18/2020	Source: EPA
Date Data Arrived at EDR: 05/19/2020	Telephone: 800-385-6164
Date Made Active in Reports: 08/03/2020	Last EDR Contact: 08/17/2020
Number of Days to Update: 76	Next Scheduled EDR Contact: 11/30/2020
	Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 06/22/2020	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 06/22/2020	Telephone: 916-323-3400
Date Made Active in Reports: 09/04/2020	Last EDR Contact: 06/22/2020
Number of Days to Update: 74	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Quarterly

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 05/04/2020	Source: San Francisco County Department of Environmental Health
Date Data Arrived at EDR: 05/06/2020	Telephone: 415-252-3896
Date Made Active in Reports: 07/17/2020	Last EDR Contact: 07/28/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 11/16/2020
	Data Release Frequency: Varies

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 08/14/2020
Next Scheduled EDR Contact: 11/23/2020
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 06/04/2020
Date Data Arrived at EDR: 06/05/2020
Date Made Active in Reports: 08/17/2020
Number of Days to Update: 73

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 08/24/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Annually

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 08/19/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 09/04/2020
Number of Days to Update: 14

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 08/17/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 05/28/2020
Date Data Arrived at EDR: 05/29/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 75

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 08/25/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Varies

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 06/16/2020
Date Made Active in Reports: 08/28/2020
Number of Days to Update: 73

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 09/18/2020
Next Scheduled EDR Contact: 12/28/2020
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/03/2020
Date Data Arrived at EDR: 04/07/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 8

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/09/2020
Date Data Arrived at EDR: 04/10/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/14/2020	Source: California Integrated Waste Management Board
Date Data Arrived at EDR: 05/15/2020	Telephone: 916-341-6066
Date Made Active in Reports: 07/27/2020	Last EDR Contact: 08/04/2020
Number of Days to Update: 73	Next Scheduled EDR Contact: 11/23/2020
	Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2019	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 04/15/2020	Telephone: 916-255-1136
Date Made Active in Reports: 07/02/2020	Last EDR Contact: 07/06/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 05/18/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/19/2020	Telephone: 877-786-9427
Date Made Active in Reports: 07/31/2020	Last EDR Contact: 08/17/2020
Number of Days to Update: 73	Next Scheduled EDR Contact: 11/30/2020
	Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/18/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/18/2020	Telephone: 916-323-3400
Date Made Active in Reports: 07/31/2020	Last EDR Contact: 08/17/2020
Number of Days to Update: 74	Next Scheduled EDR Contact: 11/30/2020
	Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 07/06/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 07/07/2020	Telephone: 916-440-7145
Date Made Active in Reports: 09/17/2020	Last EDR Contact: 07/07/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 06/08/2020	Source: Department of Conservation
Date Data Arrived at EDR: 06/09/2020	Telephone: 916-322-1080
Date Made Active in Reports: 08/19/2020	Last EDR Contact: 09/08/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 12/21/2020
	Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 05/28/2020	Source: Department of Public Health
Date Data Arrived at EDR: 06/02/2020	Telephone: 916-558-1784
Date Made Active in Reports: 08/14/2020	Last EDR Contact: 08/31/2020
Number of Days to Update: 73	Next Scheduled EDR Contact: 12/14/2020
	Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/12/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/12/2020	Telephone: 916-445-9379
Date Made Active in Reports: 07/28/2020	Last EDR Contact: 08/10/2020
Number of Days to Update: 77	Next Scheduled EDR Contact: 11/23/2020
	Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 06/01/2020	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 06/02/2020	Telephone: 916-445-4038
Date Made Active in Reports: 08/14/2020	Last EDR Contact: 08/31/2020
Number of Days to Update: 73	Next Scheduled EDR Contact: 12/14/2020
	Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 06/08/2020	Source: Department of Conservation
Date Data Arrived at EDR: 06/09/2020	Telephone: 916-323-3836
Date Made Active in Reports: 08/19/2020	Last EDR Contact: 09/08/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 12/21/2020
	Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 08/21/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/21/2020	Telephone: 916-445-3846
Date Made Active in Reports: 08/27/2020	Last EDR Contact: 08/20/2020
Number of Days to Update: 6	Next Scheduled EDR Contact: 12/28/2020
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 06/06/2020	Source: Department of Conservation
Date Data Arrived at EDR: 06/09/2020	Telephone: 916-445-2408
Date Made Active in Reports: 08/20/2020	Last EDR Contact: 09/08/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 12/21/2020
	Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 06/08/2020	Source: State Water Resource Control Board
Date Data Arrived at EDR: 06/09/2020	Telephone: 866-480-1028
Date Made Active in Reports: 08/19/2020	Last EDR Contact: 09/08/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 12/21/2020
	Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 11/19/2019	Source: RWQCB, Central Valley Region
Date Data Arrived at EDR: 01/07/2020	Telephone: 559-445-5577
Date Made Active in Reports: 03/09/2020	Last EDR Contact: 07/09/2020
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 08/11/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 11/30/2020
	Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 09/16/2020
Number of Days to Update: 13	Next Scheduled EDR Contact: 01/04/2021
	Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 06/08/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/09/2020	Telephone: 866-480-1028
Date Made Active in Reports: 08/19/2020	Last EDR Contact: 09/08/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 12/21/2020
	Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)

Projects sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/20/2020
Number of Days to Update: 72

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 06/01/2020
Date Data Arrived at EDR: 06/02/2020
Date Made Active in Reports: 08/14/2020
Number of Days to Update: 73

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 08/31/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 04/20/2020
Date Data Arrived at EDR: 04/21/2020
Date Made Active in Reports: 07/13/2020
Number of Days to Update: 83

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 08/28/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 07/01/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 09/11/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Semi-Annually

HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 04/09/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 08/02/2020
Next Scheduled EDR Contact: 10/18/2020
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 06/30/2020
Date Data Arrived at EDR: 07/01/2020
Date Made Active in Reports: 07/17/2020
Number of Days to Update: 16

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA AMADOR: CUPA Facility List Cupa Facility List

Date of Government Version: 05/18/2020
Date Data Arrived at EDR: 05/19/2020
Date Made Active in Reports: 06/01/2020
Number of Days to Update: 13

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 06/17/2020
Date Data Arrived at EDR: 06/18/2020
Date Made Active in Reports: 09/02/2020
Number of Days to Update: 76

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 09/16/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 04/01/2020
Date Data Arrived at EDR: 04/20/2020
Date Made Active in Reports: 07/06/2020
Number of Days to Update: 77

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA DEL NORTE: CUPA Facility List Cupa Facility list

Date of Government Version: 04/16/2020
Date Data Arrived at EDR: 04/20/2020
Date Made Active in Reports: 07/08/2020
Number of Days to Update: 79

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 08/13/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List CUPA facility list.

Date of Government Version: 05/07/2020
Date Data Arrived at EDR: 05/07/2020
Date Made Active in Reports: 07/23/2020
Number of Days to Update: 77

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 08/13/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/30/2020
Date Data Arrived at EDR: 07/01/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 78

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List CUPA facility list.

Date of Government Version: 05/19/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 26

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA IMPERIAL: CUPA Facility List Cupa facility list.

Date of Government Version: 04/09/2020
Date Data Arrived at EDR: 04/10/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 82

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List

A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 04/29/2020
Date Data Arrived at EDR: 05/05/2020
Date Made Active in Reports: 08/26/2020
Number of Days to Update: 113

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 04/29/2020
Date Data Arrived at EDR: 05/05/2020
Date Made Active in Reports: 07/17/2020
Number of Days to Update: 73

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 05/11/2020
Date Data Arrived at EDR: 05/12/2020
Date Made Active in Reports: 07/27/2020
Number of Days to Update: 76

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/21/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Varies

LAKE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA LAKE: CUPA Facility List Cupa facility list

Date of Government Version: 04/20/2020
Date Data Arrived at EDR: 04/28/2020
Date Made Active in Reports: 07/14/2020
Number of Days to Update: 77

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/08/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List Cupa facility list

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 01/31/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 69

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 09/10/2020
Next Scheduled EDR Contact: 12/28/2020
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 03/26/2020
Date Data Arrived at EDR: 03/26/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 81

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/13/2020
Date Data Arrived at EDR: 04/14/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 78

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/13/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 51

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/08/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LOS ANGELES AST: Active & Inactive AST Inventory

A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 06/25/2020
Number of Days to Update: 58	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/30/2012	Source: Los Angeles County Department of Public Works
Date Data Arrived at EDR: 04/17/2019	Telephone: 626-458-6973
Date Made Active in Reports: 05/29/2019	Last EDR Contact: 08/11/2020
Number of Days to Update: 42	Next Scheduled EDR Contact: 10/26/2020
	Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 06/25/2020
Number of Days to Update: 58	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 06/25/2020
Number of Days to Update: 58	Next Scheduled EDR Contact: 10/05/2020
	Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/25/2020	Source: Community Health Services
Date Data Arrived at EDR: 04/14/2020	Telephone: 323-890-7806
Date Made Active in Reports: 07/01/2020	Last EDR Contact: 07/17/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 10/26/2020
	Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 04/19/2017	Telephone: 310-524-2236
Date Made Active in Reports: 05/10/2017	Last EDR Contact: 07/08/2020
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/26/2020
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 04/23/2019	Telephone: 562-570-2563
Date Made Active in Reports: 06/27/2019	Last EDR Contact: 07/14/2020
Number of Days to Update: 65	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 06/27/2019	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 07/30/2019	Telephone: 310-618-2973
Date Made Active in Reports: 10/02/2019	Last EDR Contact: 07/14/2020
Number of Days to Update: 64	Next Scheduled EDR Contact: 11/02/2020
	Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 02/24/2020	Source: Madera County Environmental Health
Date Data Arrived at EDR: 02/25/2020	Telephone: 559-675-7823
Date Made Active in Reports: 05/07/2020	Last EDR Contact: 08/04/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 11/30/2020
	Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 10/04/2018	Telephone: 415-473-6647
Date Made Active in Reports: 11/02/2018	Last EDR Contact: 06/24/2020
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/12/2020
	Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/28/2020	Source: Merced County Environmental Health
Date Data Arrived at EDR: 07/30/2020	Telephone: 209-381-1094
Date Made Active in Reports: 07/31/2020	Last EDR Contact: 07/24/2020
Number of Days to Update: 1	Next Scheduled EDR Contact: 11/30/2020
	Data Release Frequency: Varies

MONO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA MONO: CUPA Facility List CUPA Facility List

Date of Government Version: 05/15/2020
Date Data Arrived at EDR: 06/02/2020
Date Made Active in Reports: 08/14/2020
Number of Days to Update: 73

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/19/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing CUPA Program listing from the Environmental Health Division.

Date of Government Version: 07/13/2020
Date Data Arrived at EDR: 07/15/2020
Date Made Active in Reports: 07/31/2020
Number of Days to Update: 16

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 07/08/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/19/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/19/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List CUPA facility list.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/07/2020
Date Made Active in Reports: 07/24/2020
Number of Days to Update: 78

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups Petroleum and non-petroleum spills.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/01/2020
Date Data Arrived at EDR: 05/08/2020
Date Made Active in Reports: 07/24/2020
Number of Days to Update: 77

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/31/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2020
Date Data Arrived at EDR: 05/08/2020
Date Made Active in Reports: 07/24/2020
Number of Days to Update: 77

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/31/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/01/2020
Date Data Arrived at EDR: 05/05/2020
Date Made Active in Reports: 07/17/2020
Number of Days to Update: 73

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/03/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/10/2020
Date Made Active in Reports: 08/24/2020
Number of Days to Update: 75

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/25/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List

Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 03/10/2020
Date Data Arrived at EDR: 03/11/2020
Date Made Active in Reports: 05/20/2020
Number of Days to Update: 70

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/15/2020
Next Scheduled EDR Contact: 12/28/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST RIVERSIDE: Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 03/10/2020
Date Data Arrived at EDR: 03/11/2020
Date Made Active in Reports: 05/20/2020
Number of Days to Update: 70

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/10/2020
Next Scheduled EDR Contact: 12/28/2020
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/18/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 76

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/02/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/24/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/17/2020
Number of Days to Update: 78

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/02/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 04/24/2020
Date Data Arrived at EDR: 04/28/2020
Date Made Active in Reports: 07/13/2020
Number of Days to Update: 76

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 02/25/2020
Date Data Arrived at EDR: 02/26/2020
Date Made Active in Reports: 05/07/2020
Number of Days to Update: 71

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 06/01/2020
Date Data Arrived at EDR: 06/02/2020
Date Made Active in Reports: 08/14/2020
Number of Days to Update: 73

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 08/31/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 04/09/2020
Date Data Arrived at EDR: 04/10/2020
Date Made Active in Reports: 06/26/2020
Number of Days to Update: 77

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 08/25/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

LUST SAN FRANCISCO: Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/04/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 07/17/2020
Number of Days to Update: 72

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/10/2020
Next Scheduled EDR Contact: 12/28/2020
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List Cupa Facility List.

Date of Government Version: 05/08/2020
Date Data Arrived at EDR: 05/08/2020
Date Made Active in Reports: 08/03/2020
Number of Days to Update: 87

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/11/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/01/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA SANTA CLARA: Cupa Facility List Cupa facility list

Date of Government Version: 05/08/2020
Date Data Arrived at EDR: 05/12/2020
Date Made Active in Reports: 07/27/2020
Number of Days to Update: 76

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 08/19/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 04/22/2020
Date Data Arrived at EDR: 04/24/2020
Date Made Active in Reports: 05/07/2020
Number of Days to Update: 13

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Varies

SOLANO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST SOLANO: Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/25/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 08/25/2020
Date Data Arrived at EDR: 08/26/2020
Date Made Active in Reports: 09/16/2020
Number of Days to Update: 21

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/25/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List

Cupa Facility list

Date of Government Version: 02/25/2020
Date Data Arrived at EDR: 02/26/2020
Date Made Active in Reports: 03/11/2020
Number of Days to Update: 14

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 09/16/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 07/01/2020
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 09/16/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List

Cupa facility list

Date of Government Version: 02/04/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 70

Source: Stanislaus County Department of Environmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/06/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 05/26/2020
Date Data Arrived at EDR: 05/28/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 77

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 08/25/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA TEHAMA: CUPA Facility List Cupa facilities

Date of Government Version: 05/18/2020
Date Data Arrived at EDR: 05/19/2020
Date Made Active in Reports: 07/31/2020
Number of Days to Update: 73

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List Cupa facility list

Date of Government Version: 04/09/2020
Date Data Arrived at EDR: 04/10/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List Cupa program facilities

Date of Government Version: 05/14/2020
Date Data Arrived at EDR: 05/15/2020
Date Made Active in Reports: 07/27/2020
Number of Days to Update: 73

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 08/06/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 03/26/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/09/2020
Number of Days to Update: 77

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/20/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/24/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/04/2020
Next Scheduled EDR Contact: 11/23/2020
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 03/26/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/09/2020
Number of Days to Update: 77

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/20/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 05/26/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/20/2020
Number of Days to Update: 72

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/08/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 06/23/2020
Date Data Arrived at EDR: 06/29/2020
Date Made Active in Reports: 09/15/2020
Number of Days to Update: 78

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/24/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/17/2020
Number of Days to Update: 79

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 08/04/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/12/2020	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 05/12/2020	Telephone: 860-424-3375
Date Made Active in Reports: 07/27/2020	Last EDR Contact: 08/10/2020
Number of Days to Update: 76	Next Scheduled EDR Contact: 11/23/2020
	Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 04/10/2019	Telephone: N/A
Date Made Active in Reports: 05/16/2019	Last EDR Contact: 07/09/2020
Number of Days to Update: 36	Next Scheduled EDR Contact: 10/19/2020
	Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 04/29/2020	Telephone: 518-402-8651
Date Made Active in Reports: 07/10/2020	Last EDR Contact: 07/31/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 11/09/2020
	Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/19/2019	Telephone: 717-783-8990
Date Made Active in Reports: 09/10/2019	Last EDR Contact: 07/09/2020
Number of Days to Update: 53	Next Scheduled EDR Contact: 10/26/2020
	Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2018	Source: Department of Environmental Management
Date Data Arrived at EDR: 10/02/2019	Telephone: 401-222-2797
Date Made Active in Reports: 12/10/2019	Last EDR Contact: 08/11/2020
Number of Days to Update: 69	Next Scheduled EDR Contact: 11/30/2020
	Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018	Source: Department of Natural Resources
Date Data Arrived at EDR: 06/19/2019	Telephone: N/A
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 09/02/2020
Number of Days to Update: 76	Next Scheduled EDR Contact: 12/21/2020
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

CROWS LANDING NEW WELL SITE
425 FINK ROAD
CROWS LANDING, CA 95313

TARGET PROPERTY COORDINATES

Latitude (North):	37.391415 - 37° 23' 29.09"
Longitude (West):	121.076451 - 121° 4' 35.22"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	670281.2
UTM Y (Meters):	4139826.8
Elevation:	121 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5640380 CROWS LANDING, CA
Version Date:	2012
South Map:	5640406 NEWMAN, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

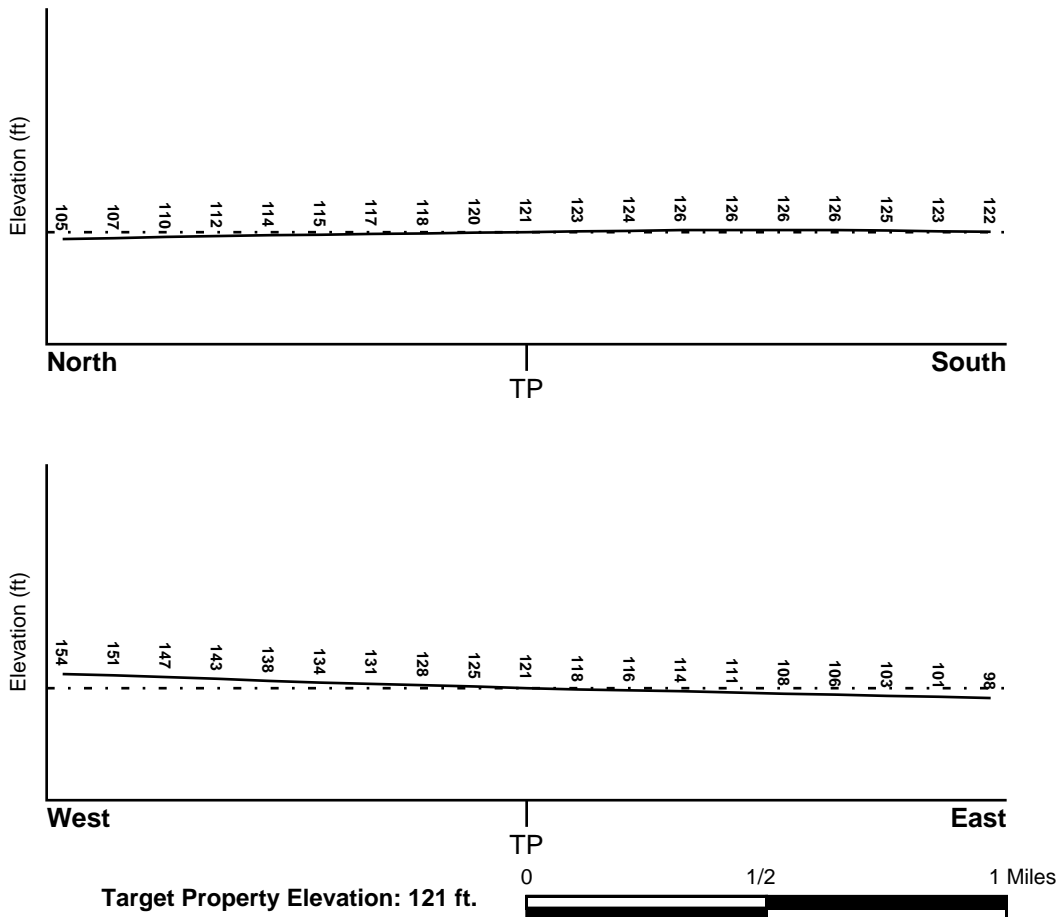
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06099C0765E	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06099C0770E	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
CROWS LANDING	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

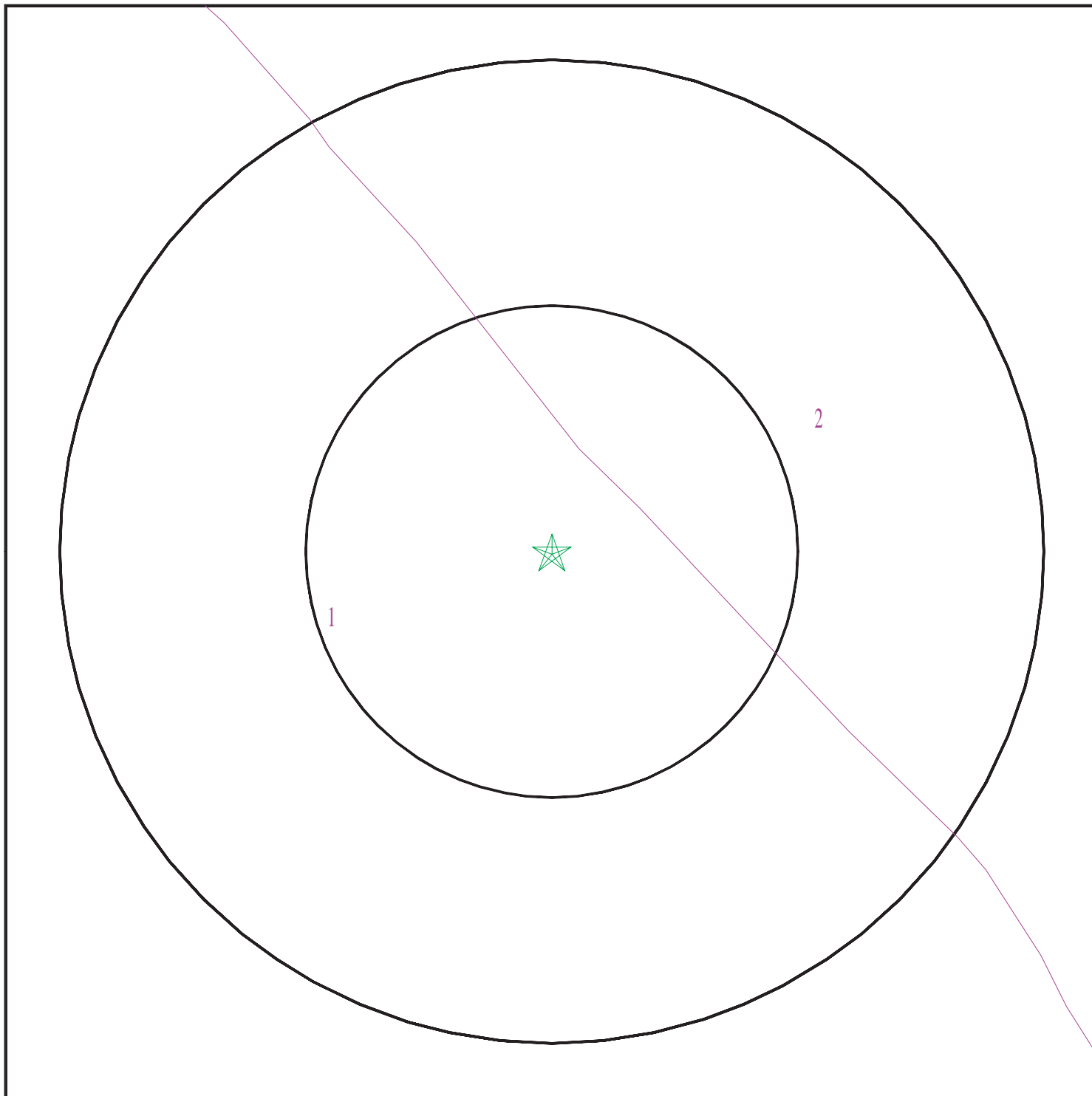
Era: Cenozoic
System: Quaternary
Series: Quaternary
Code: Q (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

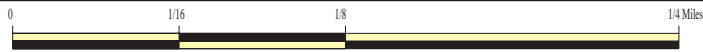
Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 6201381.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Crows Landing New Well Site
ADDRESS: 425 Fink Road
Crows Landing CA 95313
LAT/LONG: 37.391415 / 121.076451

CLIENT: Drake Haglan and Associates
CONTACT: Zachary Cornejo
INQUIRY #: 6201381.2s
DATE: September 22, 2020 8:37 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Vernalis

Soil Surface Texture: clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	20 inches	clay loam	Not reported	Not reported	Max: 14.11 Min: 4.23	Max: 8.4 Min: 6.6
2	20 inches	61 inches	clay loam	Not reported	Not reported	Max: 14.11 Min: 4.23	Max: 8.4 Min: 6.6

Soil Map ID: 2

Soil Component Name: Zacharias

Soil Surface Texture: clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	clay loam	Not reported	Not reported	Max: 4.23 Min: 1.41	Max: 7.8 Min: 6.6
2	14 inches	66 inches	clay loam	Not reported	Not reported	Max: 4.23 Min: 1.41	Max: 7.8 Min: 6.6

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A4	USGS40000182879	1/4 - 1/2 Mile ENE
B10	USGS40000182867	1/2 - 1 Mile West
12	USGS40000182674	1/2 - 1 Mile SW
D16	USGS40000182651	1/2 - 1 Mile SSE
19	USGS40000182673	1/2 - 1 Mile ESE
20	USGS40000182640	1/2 - 1 Mile SW
23	USGS40000182865	1/2 - 1 Mile West

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

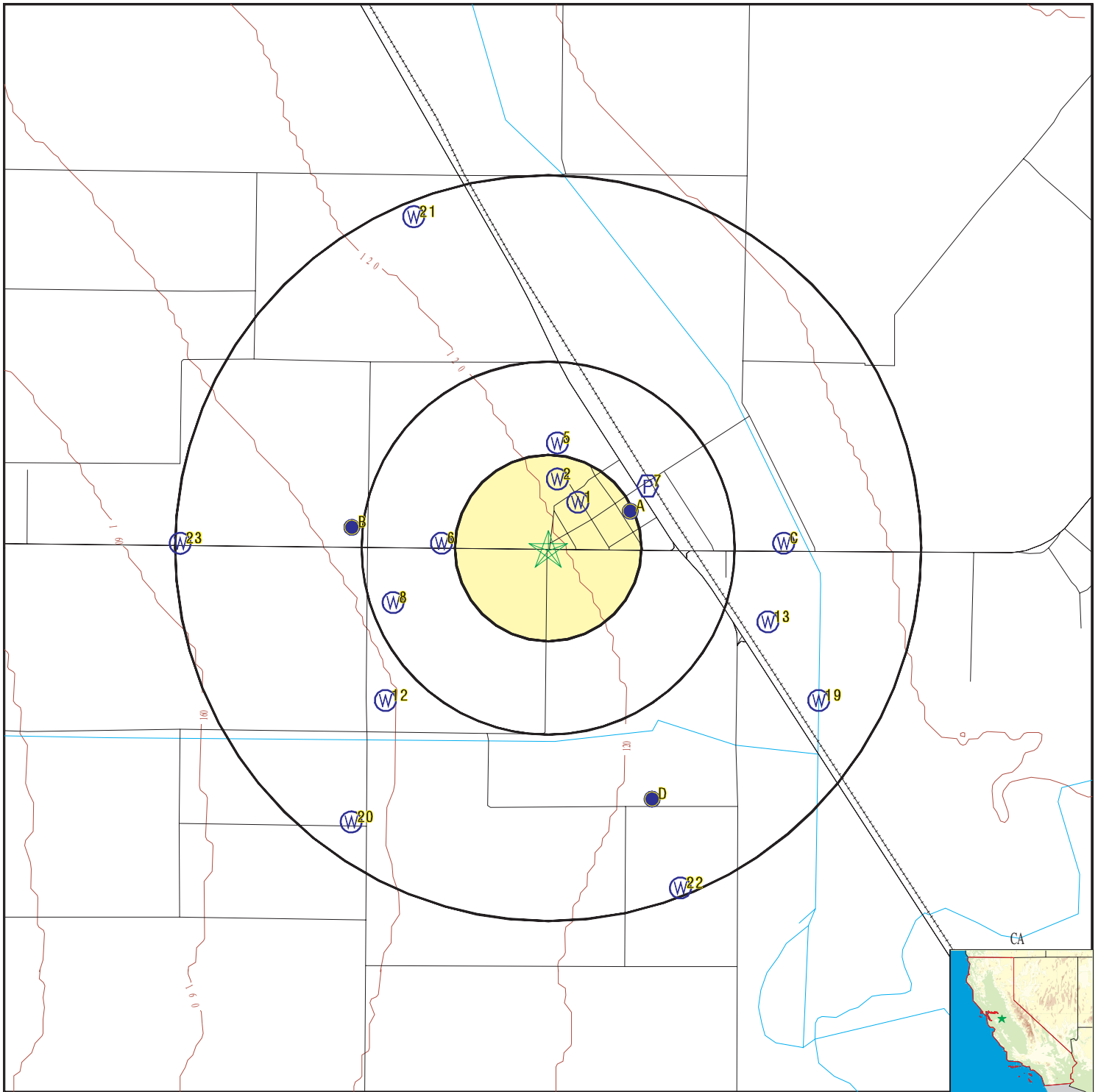
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
7	CA5000427	1/4 - 1/2 Mile ENE

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CADWR8000034374	1/8 - 1/4 Mile NNE
2	CADWR8000034378	1/8 - 1/4 Mile North
A3	7033	1/8 - 1/4 Mile ENE
5	CADWR8000034386	1/4 - 1/2 Mile North
6	7032	1/4 - 1/2 Mile West
8	CADWR8000034346	1/4 - 1/2 Mile WSW
B9	CADWR8000034366	1/2 - 1 Mile West
B11	CADWR8000034369	1/2 - 1 Mile West
13	7039	1/2 - 1 Mile ESE
C14	CADWR8000034365	1/2 - 1 Mile East
C15	7036	1/2 - 1 Mile East
D17	CADWR8000034310	1/2 - 1 Mile SSE
D18	CADWR8000034307	1/2 - 1 Mile SSE
21	CADWR8000034430	1/2 - 1 Mile NNW
22	CADWR8000034294	1/2 - 1 Mile SSE

PHYSICAL SETTING SOURCE MAP - 6201381.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons



- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: Crows Landing New Well Site
 ADDRESS: 425 Fink Road
 Crows Landing CA 95313
 LAT/LONG: 37.391415 / 121.076451

CLIENT: Drake Haglan and Associates
 CONTACT: Zachary Cornejo
 INQUIRY #: 6201381.2s
 DATE: September 22, 2020 8:37 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1
NNE
1/8 - 1/4 Mile
Lower **CA WELLS** **CADWR8000034374**

State Well #:	06S08E22Q002M	Station ID:	5028
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Delta-Mendota	Well Completion Rpt #:	Not Reported

2
North
1/8 - 1/4 Mile
Lower **CA WELLS** **CADWR8000034378**

State Well #:	06S08E22Q001M	Station ID:	5027
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Delta-Mendota	Well Completion Rpt #:	Not Reported

A3
ENE
1/8 - 1/4 Mile
Lower **CA WELLS** **7033**

Seq:	7033	Prim sta c:	06S/08E-22Q03 M
Frds no:	5000005001	County:	50
District:	80	User id:	50C
System no:	5000005	Water type:	G
Source nam:	WELL 01	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	372334.0	Longitude:	1210418.0
Precision:	3	Status:	AR
Comment 1:	CROWS LANDING	15	
Comment 2:	Not Reported	Comment 3:	Not Reported
Comment 4:	Not Reported	Comment 5:	Not Reported
Comment 6:	Not Reported	Comment 7:	Not Reported

System no:	5000005	System nam:	Crows Landing
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	0	Connection:	0
Area serve:	Not Reported		

A4
ENE
1/4 - 1/2 Mile
Lower **FED USGS** **USGS40000182879**

Organization ID:	USGS-CA	Type:	Well
Organization Name:	USGS California Water Science Center	HUC:	18040005
Monitor Location:	006S008E22Q003M	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Drainage Area:	Not Reported		
Contrib Drainage Area:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer:	Central Valley aquifer system		
Formation Type:	Alluvium Above and Below E-Clay (Miocene-Pleistocene)		
Aquifer Type:	Not Reported	Construction Date:	19460101
Well Depth:	595	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1967-07-01
Feet below surface:	51.00	Feet to sea level:	Not Reported
Note:	Not Reported		

5
North
1/4 - 1/2 Mile
Lower

CA WELLS CADWR8000034386

State Well #:	06S08E22L001M	Station ID:	5026
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Delta-Mendota	Well Completion Rpt #:	Not Reported

6
West
1/4 - 1/2 Mile
Higher

CA WELLS 7032

Seq:	7032	Prim sta c:	06S/08E-22N01 M
Frds no:	5000005002	County:	50
District:	80	User id:	50C
System no:	5000005	Water type:	G
Source nam:	WELL 02	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	372330.0	Longitude:	1210450.0
Precision:	3	Status:	AR
Comment 1:	W. 5TH. CROWS LANDING	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	5000005	System nam:	Crows Landing
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	0	Connection:	0
Area serve:	Not Reported		

7
ENE
1/4 - 1/2 Mile
Lower

FRDS PWS CA5000427

Epa region:	09	State:	CA
Pwsid:	CA5000427		
Pwsname:	COVANTA STANISLAUS WASTE ENERGY FACILITY		
Cityserved:	Not Reported	Stateserved:	CA
Ziperved:	Not Reported	Fipscounty:	06099
Status:	Active	Retpopsrvd:	25
Pwsvconn:	6	Psource longname:	Groundwater
Pwstype:	NTNCWS	Owner:	Public/Private

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Contact:	CHESTER LAU		
Contactorgname:	COVANTA STANISLAUS WASTE ENERGY FACILITY		
Contactphone:	2098272208	Contactaddress1:	PO BOX 278
Contactaddress2:	Not Reported	Contactcity:	CROWS LANDING
Contactstate:	CA	Contactzip:	95313
Pwsactivitycode:	A		
Pwsid:	CA5000427	Facid:	3
Facname:	WELLS 1 & 2 TREATED	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	hypochlorination, post	Factypecode:	TP
Pwsid:	CA5000427	Facid:	3
Facname:	WELLS 1 & 2 TREATED	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	softening (hardness removal)
Trtprocess:	reverse osmosis	Factypecode:	TP
Pwsid:	CA5000427	Facid:	CA5000427003
Facname:	WELLS 1 & 2 TREATED	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	hypochlorination, post	Factypecode:	TP
Pwsid:	CA5000427	Facid:	CA5000427003
Facname:	WELLS 1 & 2 TREATED	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	hypochlorination, post	Factypecode:	TP
Pwsid:	CA5000427	Facid:	CA5000427003
Facname:	WELLS 1 & 2 TREATED	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	softening (hardness removal)
Trtprocess:	reverse osmosis	Factypecode:	TP
PWS ID:	CA5000427	PWS type:	System Owner/Responsible Party
PWS name:	KIEWIT INDUSTRIAL CO	PWS address:	Not Reported
PWS city:	CROWS LANDING	PWS state:	CA
PWS zip:	95313		
PWS name:	COVANTA STANISLAUS WASTE ENERGY FACILITY		
PWS type code:	NTNC	Retail population served:	25
Contact:	CHESTER LAU	Contact address:	PO BOX 278
Contact address:	CROWS LANDING	Contact city:	CA
Contact state:	95	Contact zip:	2098272208
Contact telephone:	Not Reported		
PWS ID:	CA5000427	Activity status:	Active
Date system activated:	7706	Date system deactivated:	Not Reported
Retail population:	00000025	System name:	STANISLAUS CTY WASTE TO ENERGY
System address:	KIEWIT INDUSTRIAL CO	System address:	4040 FINK RD
System city:	CROWS LANDING	System state:	CA
System zip:	95313		
Population served:	Under 101 Persons	Treatment:	Untreated
Latitude:	372338	Longitude:	1210414
Violation id:	0380001	Orig code:	S
State:	CA	Violation Year:	2002
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	24	Violation name:	Monitoring, Routine Minor (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	12/01/2002
Cmp edt:	12/31/2002		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Violation id:	0580001	Orig code:	S
State:	CA	Violation Year:	2005
Contamination code:	5000	Contamination Name:	Lead and Copper Rule
Violation code:	52	Violation name:	Follow-up Or Routine LCR Tap M/R
Rule code:	350	Rule name:	LCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2005
Cmp edt:	Not Reported		
Violation id:	0680001	Orig code:	S
State:	CA	Violation Year:	2006
Contamination code:	7000	Contamination Name:	Consumer Confidence Rule
Violation code:	71	Violation name:	CCR Complete Failure to Report
Rule code:	420	Rule name:	CCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	07/01/2006
Cmp edt:	Not Reported		
Violation id:	0680002	Orig code:	S
State:	CA	Violation Year:	2006
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	24	Violation name:	Monitoring, Routine Minor (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	09/01/2006
Cmp edt:	10/01/2006		
Violation ID:	0380001	Orig Code:	S
Enforcemnt FY:	2003	Enforcement Action:	12/16/2002
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	0580001	Orig Code:	S
Enforcemnt FY:	2005	Enforcement Action:	04/01/2005
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	0680001	Orig Code:	S
Enforcemnt FY:	2006	Enforcement Action:	09/01/2006
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
Violation ID:	0680002	Orig Code:	S
Enforcemnt FY:	2006	Enforcement Action:	09/01/2006
Enforcement Detail:	St Violation/Reminder Notice		
Enforcement Category:	Informal		
PWS name:	COVANTA STANISLAUS WASTE ENERGY FACILITY		
Population served:	25	PWS type code:	NTNC
Violation ID:	0380001	Contaminant:	COLIFORM (TCR)
Violation type:	Max Contaminant Level, Acute (TCR)		
Compliance start date:	12/1/2002 0:00:00	Compliance end date:	12/31/2002 0:00:00
Enforcement date:	12/16/2002 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		
PWS name:	COVANTA STANISLAUS WASTE ENERGY FACILITY		
Population served:	25	PWS type code:	NTNC
Violation ID:	0580001	Contaminant:	LEAD & COPPER RULE
Violation type:	Follow-up and Routine Tap Sampling		
Compliance start date:	1/1/2005 0:00:00	Compliance end date:	12/31/2025 0:00:00
Enforcement date:	4/1/2005 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

PWS name:	COVANTA STANISLAUS WASTE ENERGY FACILITY		
Population served:	25	PWS type code:	NTNC
Violation ID:	0680002	Contaminant:	COLIFORM (TCR)
Violation type:	Monitoring, Routine Minor (TCR)		
Compliance start date:	9/1/2006 0:00:00	Compliance end date:	10/1/2006 0:00:00
Enforcement date:	9/1/2006 0:00:00	Enforcement action:	State Violation/Reminder Notice
Violation measurement:	Not Reported		

8

WSW
1/4 - 1/2 Mile
Higher

CA WELLS CADWR8000034346

State Well #:	06S08E27D001M	Station ID:	5167
Well Name:	280	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Delta-Mendota	Well Completion Rpt #:	Not Reported

B9

West
1/2 - 1 Mile
Higher

CA WELLS CADWR8000034366

State Well #:	06S08E21R002M	Station ID:	5023
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Delta-Mendota	Well Completion Rpt #:	Not Reported

B10

West
1/2 - 1 Mile
Higher

FED USGS USGS40000182867

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	006S008E21R001M	Type:	Well
Description:	Not Reported	HUC:	18040005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Alluvium Above E-Clay	Aquifer Type:	Not Reported
Construction Date:	19480101	Well Depth:	212
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1967-07-01
Feet below surface:	52.00	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

B11
West
1/2 - 1 Mile
Higher

CA WELLS CADWR8000034369

State Well #:	06S08E21R001M	Station ID:	39852
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Delta-Mendota	Well Completion Rpt #:	Not Reported

12
SW
1/2 - 1 Mile
Higher

FED USGS USGS40000182674

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	006S008E27E001M	Type:	Well
Description:	Not Reported	HUC:	18040005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19590101	Well Depth:	280
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1967-07-01
Feet below surface:	70.00	Feet to sea level:	Not Reported
Note:	Not Reported		

13
ESE
1/2 - 1 Mile
Lower

CA WELLS 7039

Seq:	7039	Prim sta c:	06S/08E-26D01 M
Frds no:	5000005003	County:	50
District:	80	User id:	50C
System no:	5000005	Water type:	G
Source nam:	WELL 03	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	372319.0	Longitude:	1210353.0
Precision:	3	Status:	AR
Comment 1:	CROWS LANDING	15	
Comment 2:	Not Reported	Comment 3:	Not Reported
Comment 4:	Not Reported	Comment 5:	Not Reported
Comment 6:	Not Reported	Comment 7:	Not Reported

System no:	5000005	System nam:	Crows Landing
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	0	Connection:	0
Area serve:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

C14
East
1/2 - 1 Mile
Lower

CA WELLS CADWR8000034365

State Well #:	06S08E23N001M	Station ID:	24500
Well Name:	281	Well Use:	Not Reported
Well Type:	Unknown	Well Depth:	0
Basin Name:	Delta-Mendota	Well Completion Rpt #:	Not Reported

C15
East
1/2 - 1 Mile
Lower

CA WELLS 7036

Seq:	7036	Prim sta c:	06S/08E-23N01 M
Frds no:	5000096001	County:	50
District:	80	User id:	50C
System no:	5000096	Water type:	G
Source nam:	WELL 01	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	372330.0	Longitude:	1210350.0
Precision:	3	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	5000096	System nam:	L.D.S. Church
Hqname:	Not Reported	Address:	Not Reported
City:	Not Reported	State:	Not Reported
Zip:	Not Reported	Zip ext:	Not Reported
Pop serv:	0	Connection:	0
Area serve:	Not Reported		

D16
SSE
1/2 - 1 Mile
Lower

FED USGS USGS40000182651

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	006S008E27K001M	Type:	Well
Description:	Not Reported	HUC:	18040005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Alluvium Above and Below E-Clay (Miocene-Pleistocene)		
Aquifer Type:	Not Reported	Construction Date:	19430101
Well Depth:	475	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

D17
SSE
1/2 - 1 Mile
Lower

CA WELLS CADWR8000034310

State Well #:	06S08E27J001M	Station ID:	5168
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Delta-Mendota	Well Completion Rpt #:	Not Reported

D18
SSE
1/2 - 1 Mile
Lower

CA WELLS CADWR8000034307

State Well #:	06S08E27K001M	Station ID:	28722
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Delta-Mendota	Well Completion Rpt #:	Not Reported

19
ESE
1/2 - 1 Mile
Lower

FED USGS USGS40000182673

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	006S008E26E001M	Type:	Well
Description:	Not Reported	HUC:	18040005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Alluvium Above and Below E-Clay (Miocene-Pleistocene)		
Aquifer Type:	Not Reported	Construction Date:	19520101
Well Depth:	298	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1967-07-01
Feet below surface:	55.00	Feet to sea level:	Not Reported
Note:	Not Reported		

20
SW
1/2 - 1 Mile
Higher

FED USGS USGS40000182640

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	006S008E28J001M	Type:	Well
Description:	Not Reported	HUC:	18040005
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Construction Date:	19470101	Well Depth:	937
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1967-07-01
Feet below surface:	70.00	Feet to sea level:	Not Reported
Note:	Not Reported		

21
NNW
1/2 - 1 Mile
Lower

CA WELLS CADWR8000034430

State Well #:	06S08E22D001M	Station ID:	5025
Well Name:	Not Reported	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Delta-Mendota	Well Completion Rpt #:	Not Reported

22
SSE
1/2 - 1 Mile
Lower

CA WELLS CADWR8000034294

State Well #:	06S08E27R002M	Station ID:	5169
Well Name:	277	Well Use:	Unknown
Well Type:	Unknown	Well Depth:	0
Basin Name:	Delta-Mendota	Well Completion Rpt #:	Not Reported

23
West
1/2 - 1 Mile
Higher

FED USGS USGS40000182865

Organization ID:	USGS-CA	Type:	Well
Organization Name:	USGS California Water Science Center	HUC:	18040005
Monitor Location:	006S008E21P001M	Drainage Area Units:	Not Reported
Description:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Drainage Area:	Not Reported		
Contrib Drainage Area:	Not Reported		
Aquifer:	Central Valley aquifer system	Aquifer Type:	Not Reported
Formation Type:	Not Reported	Well Depth:	656
Construction Date:	19440101	Well Hole Depth:	Not Reported
Well Depth Units:	ft		
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1967-07-01
Feet below surface:	101.00	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
95360	3	0

Federal EPA Radon Zone for STANISLAUS County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for STANISLAUS COUNTY, CA

Number of sites tested: 12

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.725 pCi/L	92%	8%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	2.250 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Dept of Conservation, Geologic Energy Management Division

Telephone: 916-323-1779

Oil and Gas well locations in the state.

California Earthquake Fault Lines

Source: California Division of Mines and Geology

The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon

Source: Department of Public Health

Telephone: 916-210-8558

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Crows Landing New Well Site

425 Fink Road

Crows Landing, CA 95313

Inquiry Number: 6201381.8

September 23, 2020

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

09/23/20

Site Name:

Crows Landing New Well Site
425 Fink Road
Crows Landing, CA 95313
EDR Inquiry # 6201381.8

Client Name:

Drake Haglan and Associates
11060 White Rock Road, Suite 200
Rancho Cordova, CA 95670
Contact: Zachary Cornejo



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2016	1"=1125'	Flight Year: 2016	USDA/NAIP
2010	1"=1125'	Flight Year: 2010	USDA/NAIP
2006	1"=1125'	Flight Year: 2006	USDA/NAIP
1998	1"=1125'	Acquisition Date: August 16, 1998	USGS/DOQQ
1982	1"=1125'	Flight Date: June 26, 1982	USDA
1971	1"=1125'	Flight Date: July 04, 1971	USGS
1957	1"=1125'	Flight Date: March 23, 1957	USGS
1950	1"=1125'	Flight Date: March 03, 1950	USDA
1937	1"=1125'	Flight Date: August 08, 1937	USDA

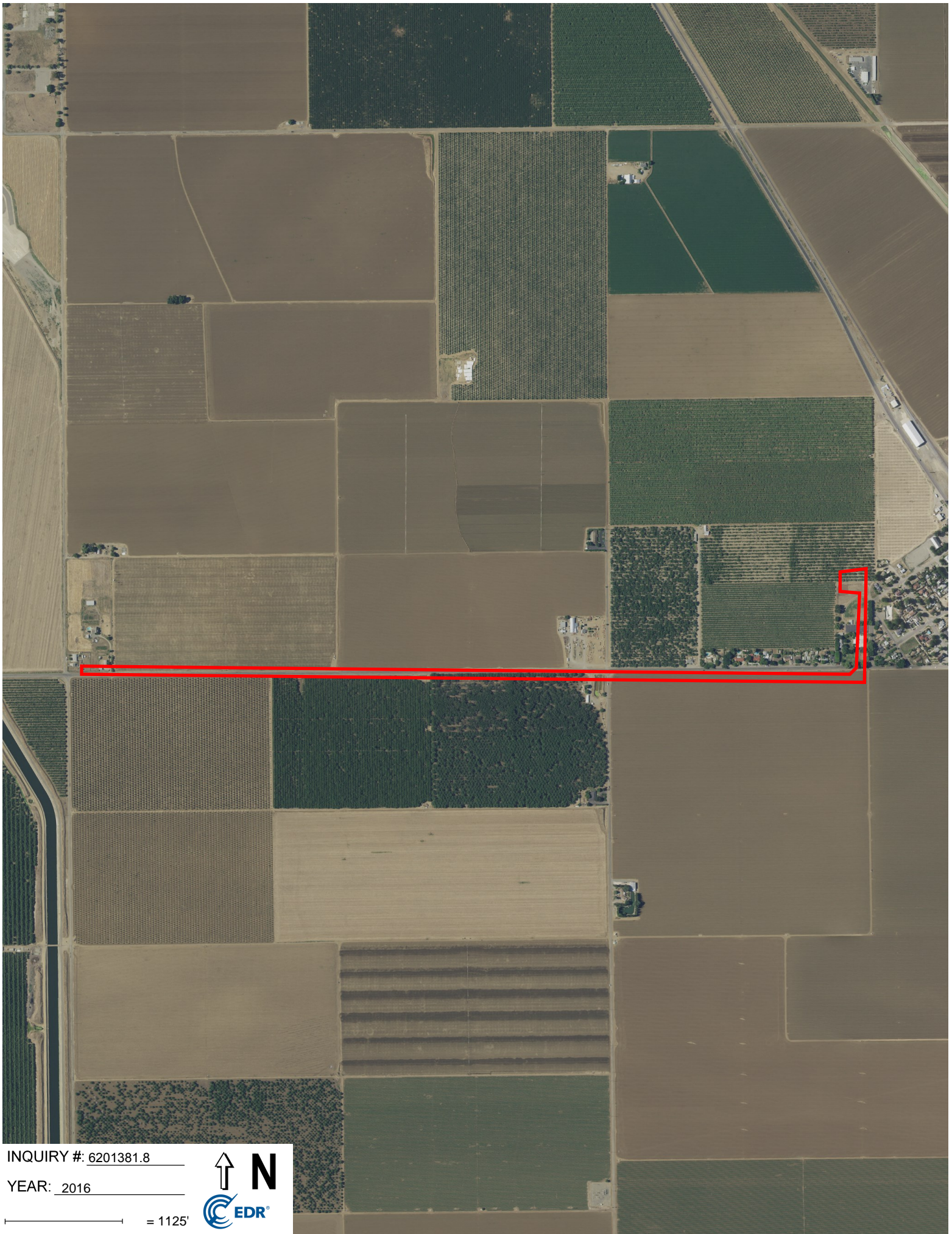
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INQUIRY #: 6201381.8

YEAR: 2016

— = 1125'





INQUIRY #: 6201381.8

YEAR: 2010

— = 1125'





INQUIRY #: 6201381.8

YEAR: 2006

— = 1125'





INQUIRY #: 6201381.8

YEAR: 1998

— = 1125'



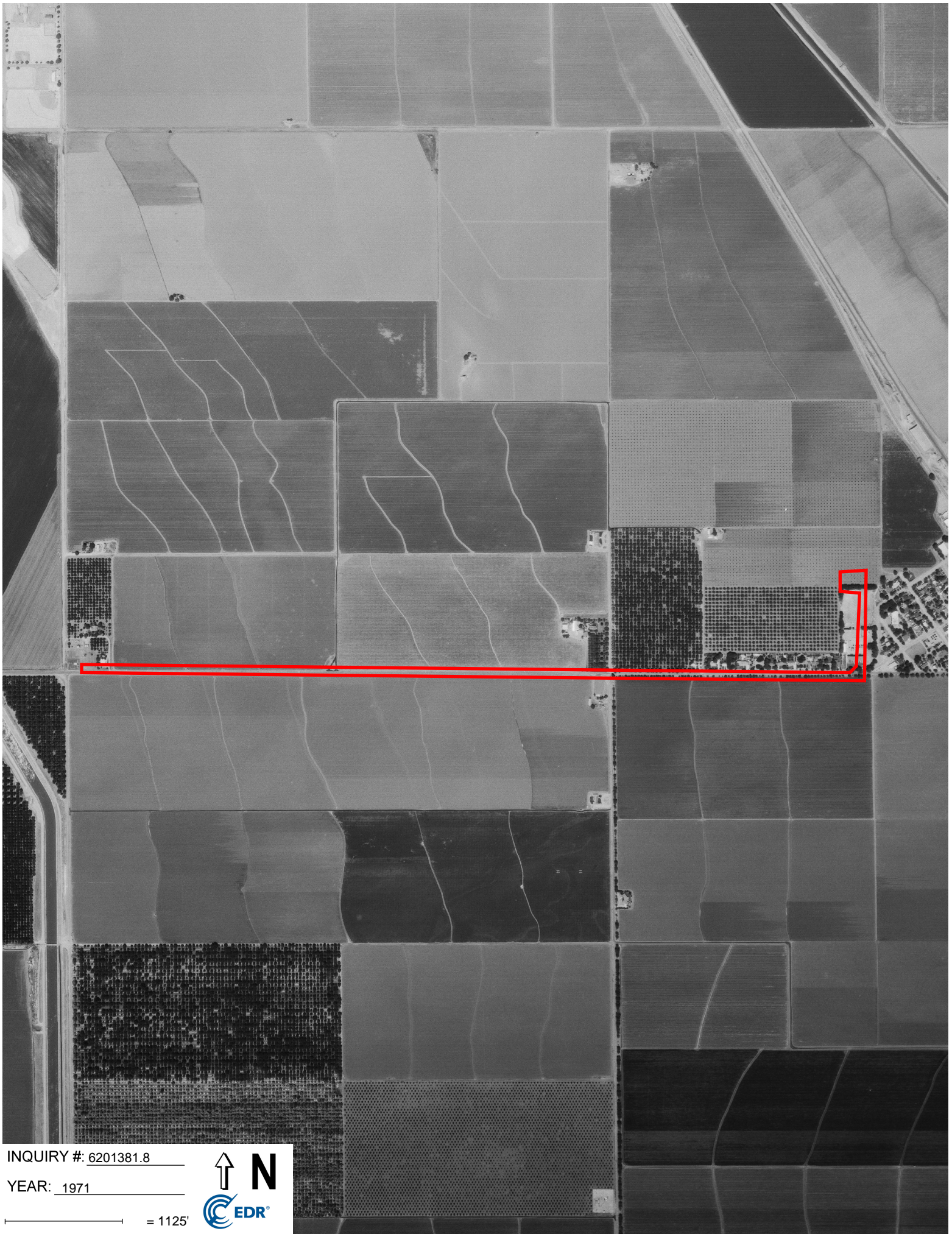


INQUIRY #: 6201381.8

YEAR: 1982

— = 1125'



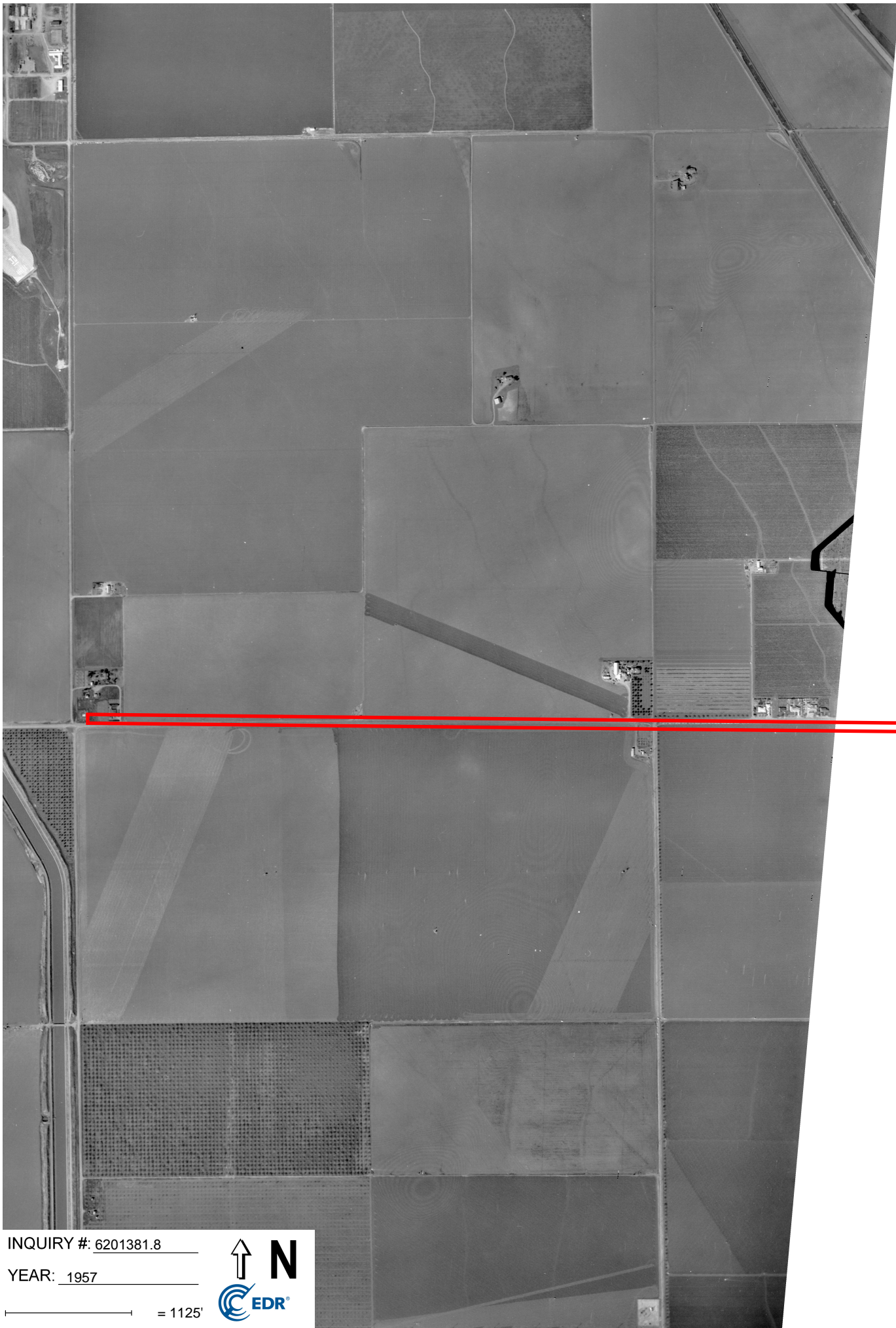


INQUIRY #: 6201381.8

YEAR: 1971

— = 1125'





INQUIRY #: 6201381.8

YEAR: 1957

— = 1125'



ABE-2G-138

3766

KODAK AEROGRAPHIC SAFETY

3767

KODAK AEROGRAPHIC SAFETY



INQUIRY #: 6201381.8

YEAR: 1950

— = 1125'





INQUIRY #: 6201381.8

YEAR: 1937

— = 1125'



Crows Landing New Well Site

425 Fink Road

Crows Landing, CA 95313

Inquiry Number: 6201381.4

September 22, 2020

EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

09/22/20

Site Name:

Crows Landing New Well Site
425 Fink Road
Crows Landing, CA 95313
EDR Inquiry # 6201381.4

Client Name:

Drake Haglan and Associates
11060 White Rock Road, Suite 200
Rancho Cordova, CA 95670
Contact: Zachary Cornejo



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Drake Haglan and Associates were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

P.O.#	NA	Latitude:	37.391415 37° 23' 29" North
Project:	Crows Landing Project	Longitude:	-121.076451 -121° 4' 35" West
		UTM Zone:	Zone 10 North
		UTM X Meters:	670277.01
		UTM Y Meters:	4140030.84
		Elevation:	121.00' above sea level

Maps Provided:

2012
1978, 1980
1971
1952
1947
1941
1919
1915, 1916

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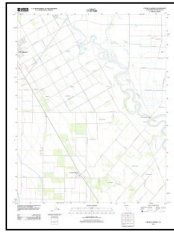
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets

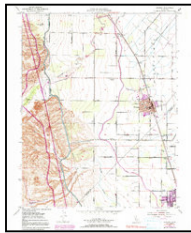


Newman
2012
7.5-minute, 24000



Crows Landing
2012
7.5-minute, 24000

1978, 1980 Source Sheets

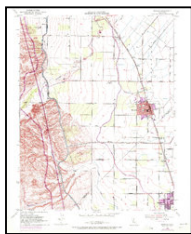


Newman
1978
7.5-minute, 24000
Aerial Photo Revised 1978

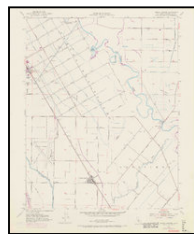


Crows Landing
1980
7.5-minute, 24000
Aerial Photo Revised 1978

1971 Source Sheets



Newman
1971
7.5-minute, 24000
Aerial Photo Revised 1971

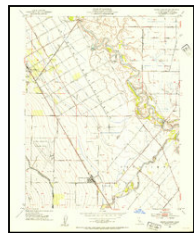


Crows Landing
1971
7.5-minute, 24000
Aerial Photo Revised 1971

1952 Source Sheets



Newman
1952
7.5-minute, 24000
Aerial Photo Revised 1949



Crows Landing
1952
7.5-minute, 24000
Aerial Photo Revised 1949

Topo Sheet Key

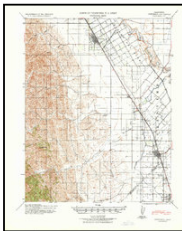
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1947 Source Sheets



ORESTIMBA
1947
15-minute, 50000

1941 Source Sheets



Orestimba
1941
15-minute, 62500
Aerial Photo Revised 1939

1919 Source Sheets



Orestimba
1919
15-minute, 62500

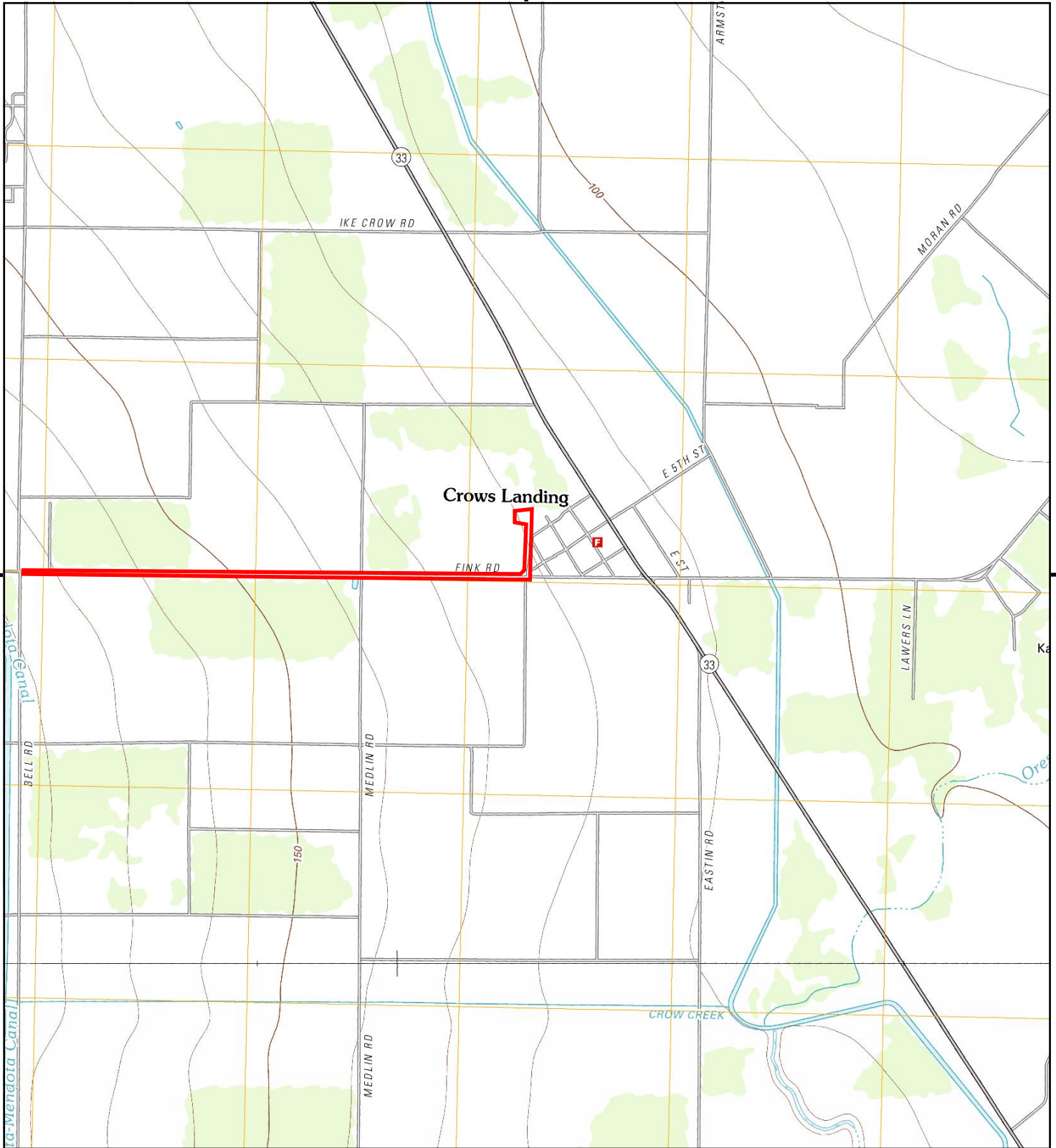
1915, 1916 Source Sheets



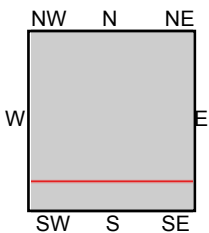
NEWMAN
1915
7.5-minute, 31680



Crows Landing
1916
7.5-minute, 31680



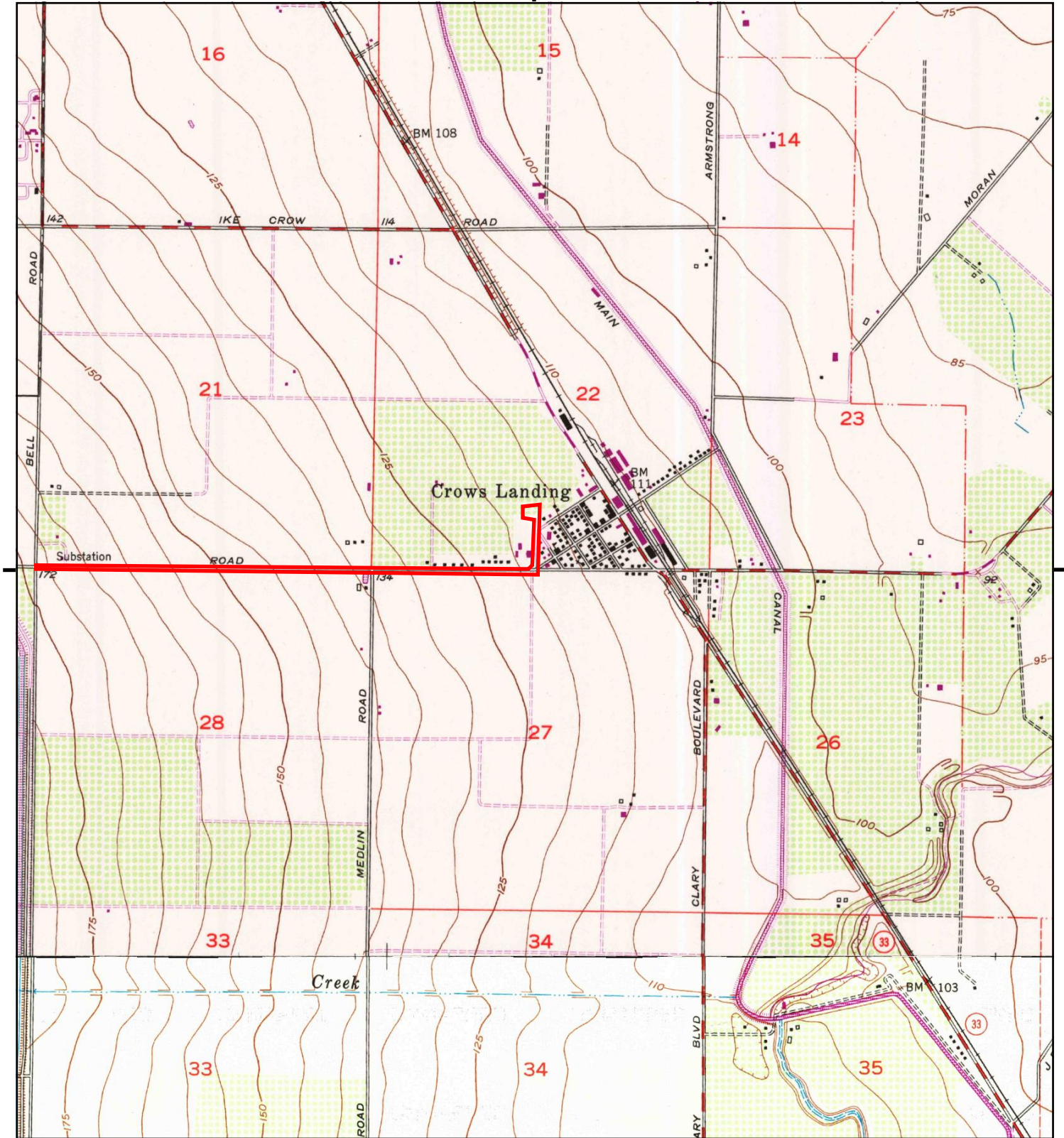
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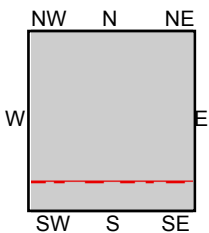
TP, Crows Landing, 2012, 7.5-minute
S, Newman, 2012, 7.5-minute

SITE NAME: Crows Landing New Well Site
ADDRESS: 425 Fink Road
Crows Landing, CA 95313
CLIENT: Drake Haglan and Associates





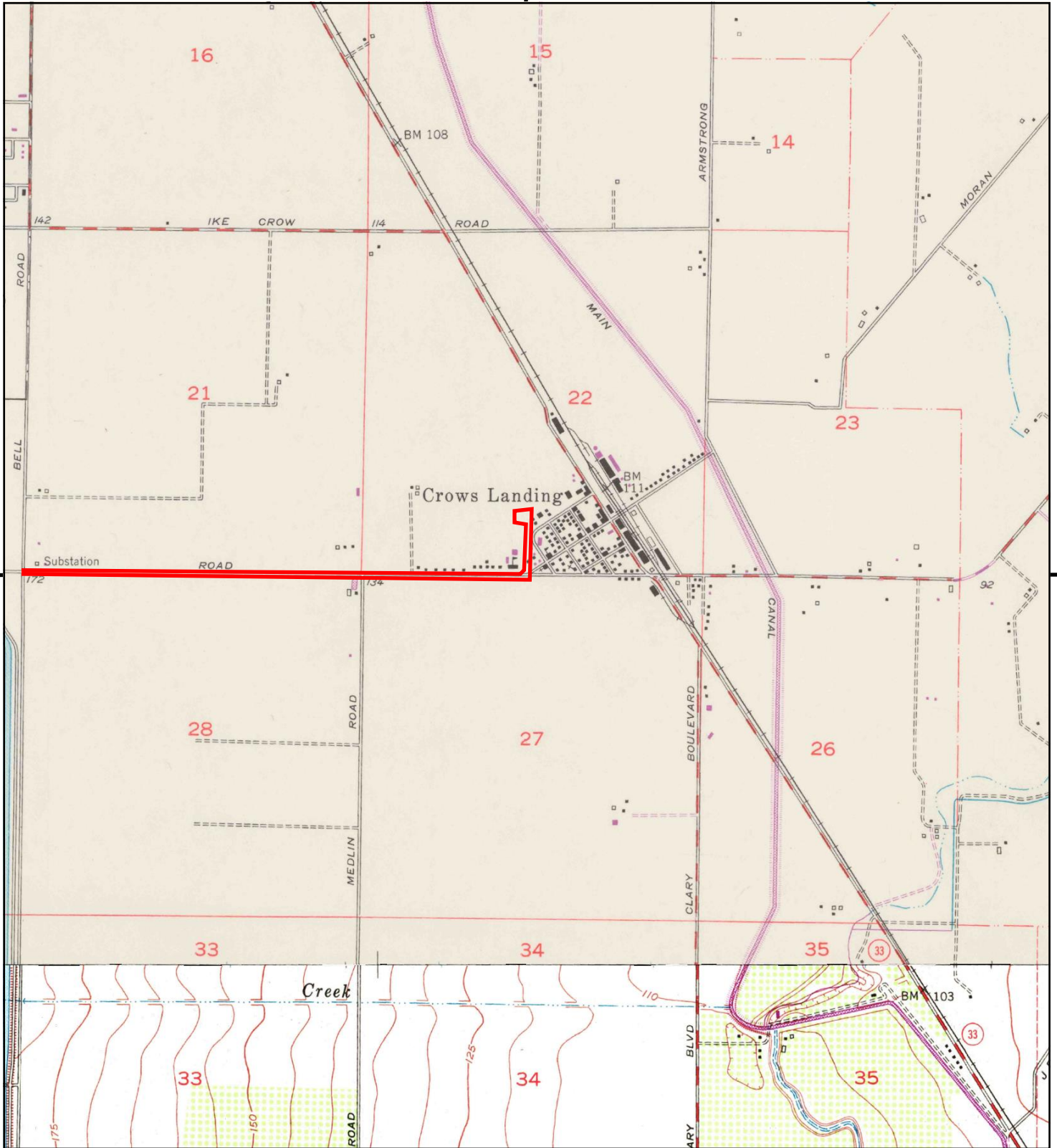
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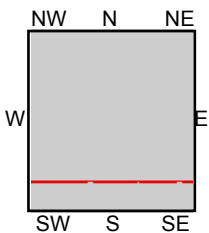
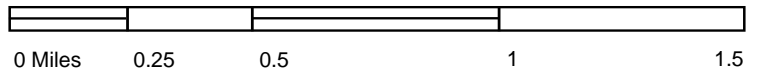
TP, Crows Landing, 1980, 7.5-minute
S, Newman, 1978, 7.5-minute

SITE NAME: Crows Landing New Well Site
ADDRESS: 425 Fink Road
Crows Landing, CA 95313
CLIENT: Drake Haglan and Associates





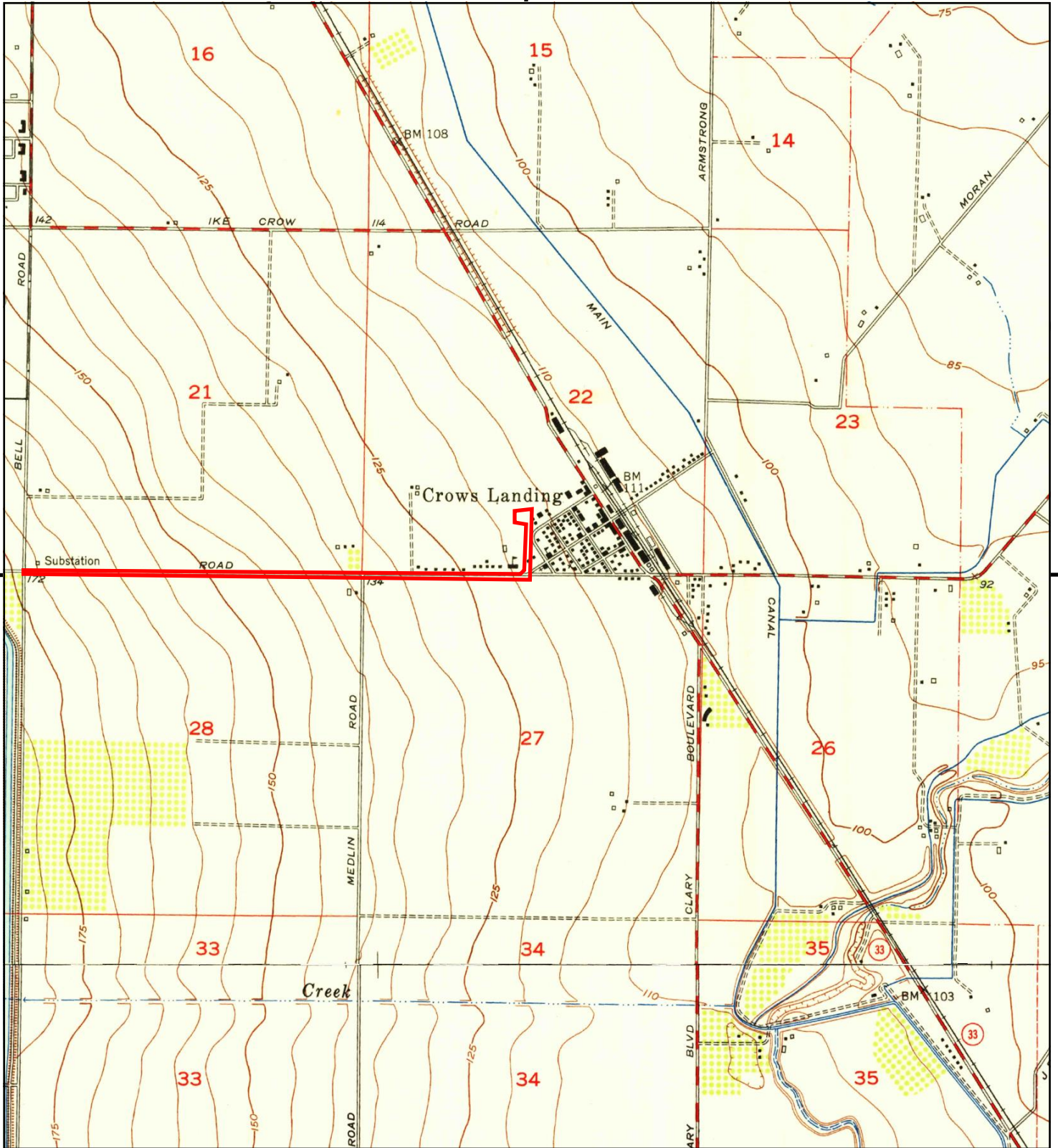
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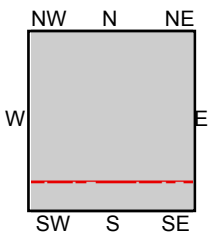
TP, Crows Landing, 1971, 7.5-minute
S, Newman, 1971, 7.5-minute

SITE NAME: Crows Landing New Well Site
ADDRESS: 425 Fink Road
Crows Landing, CA 95313
CLIENT: Drake Haglan and Associates





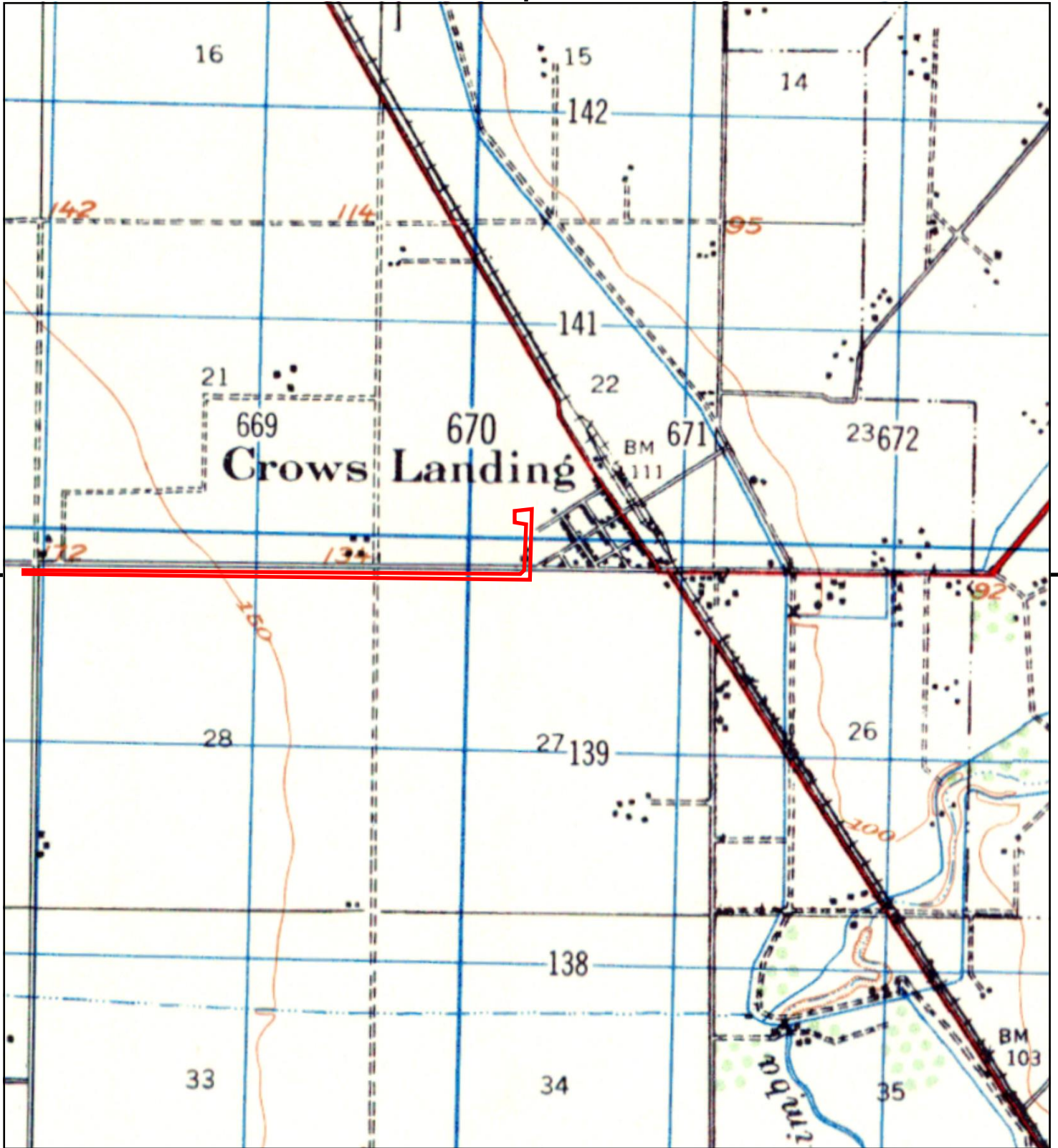
This report includes information from the following map sheet(s).



TP, Crows Landing, 1952, 7.5-minute
S, Newman, 1952, 7.5-minute

SITE NAME: Crows Landing New Well Site
ADDRESS: 425 Fink Road
Crows Landing, CA 95313
CLIENT: Drake Haglan and Associates





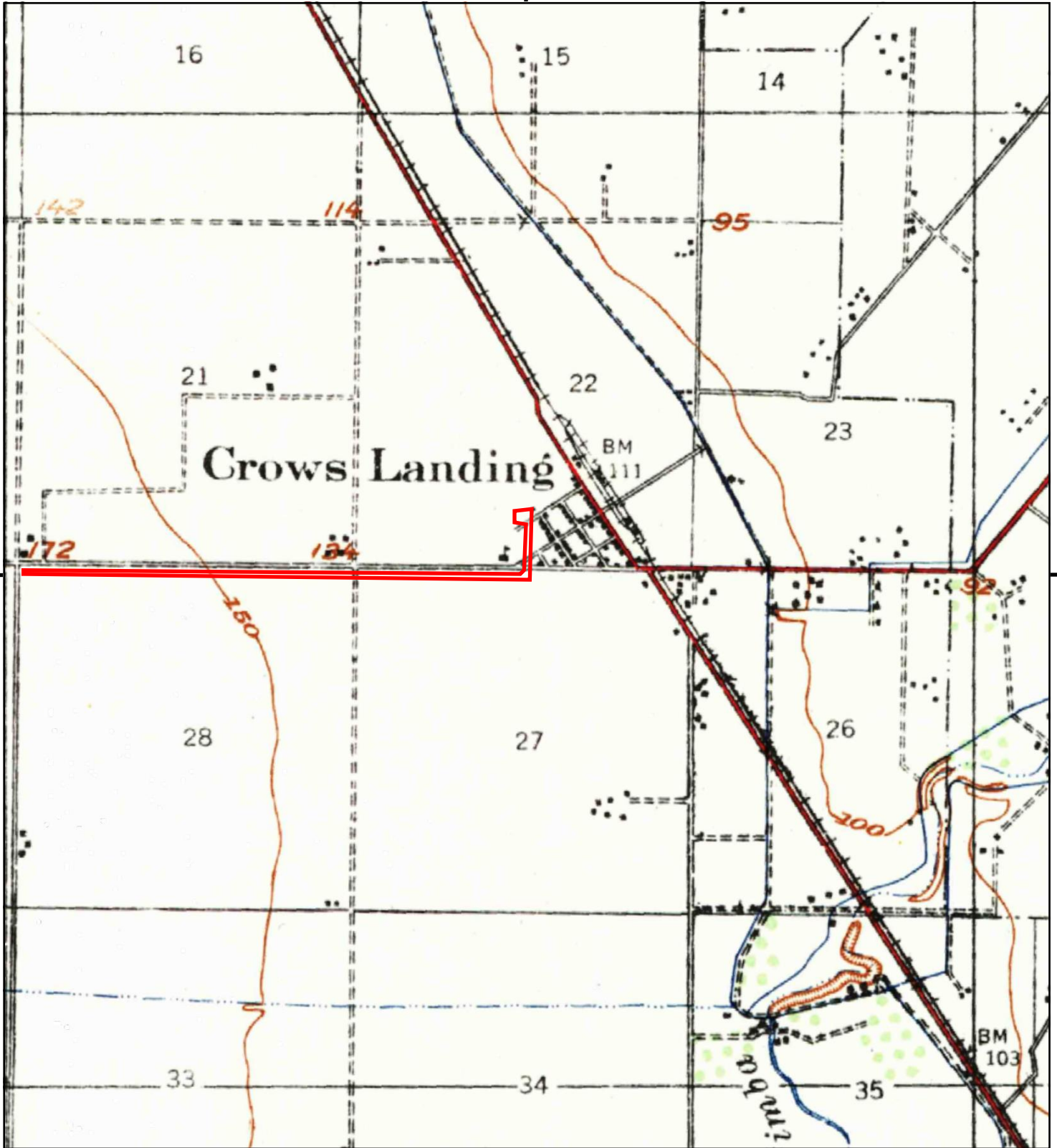
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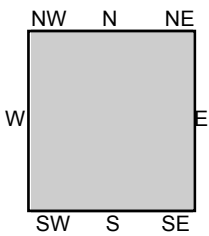
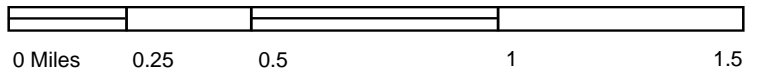
TP, ORESTIMBA, 1947, 15-minute

SITE NAME: Crows Landing New Well Site
 ADDRESS: 425 Fink Road
 Crows Landing, CA 95313
 CLIENT: Drake Haglan and Associates





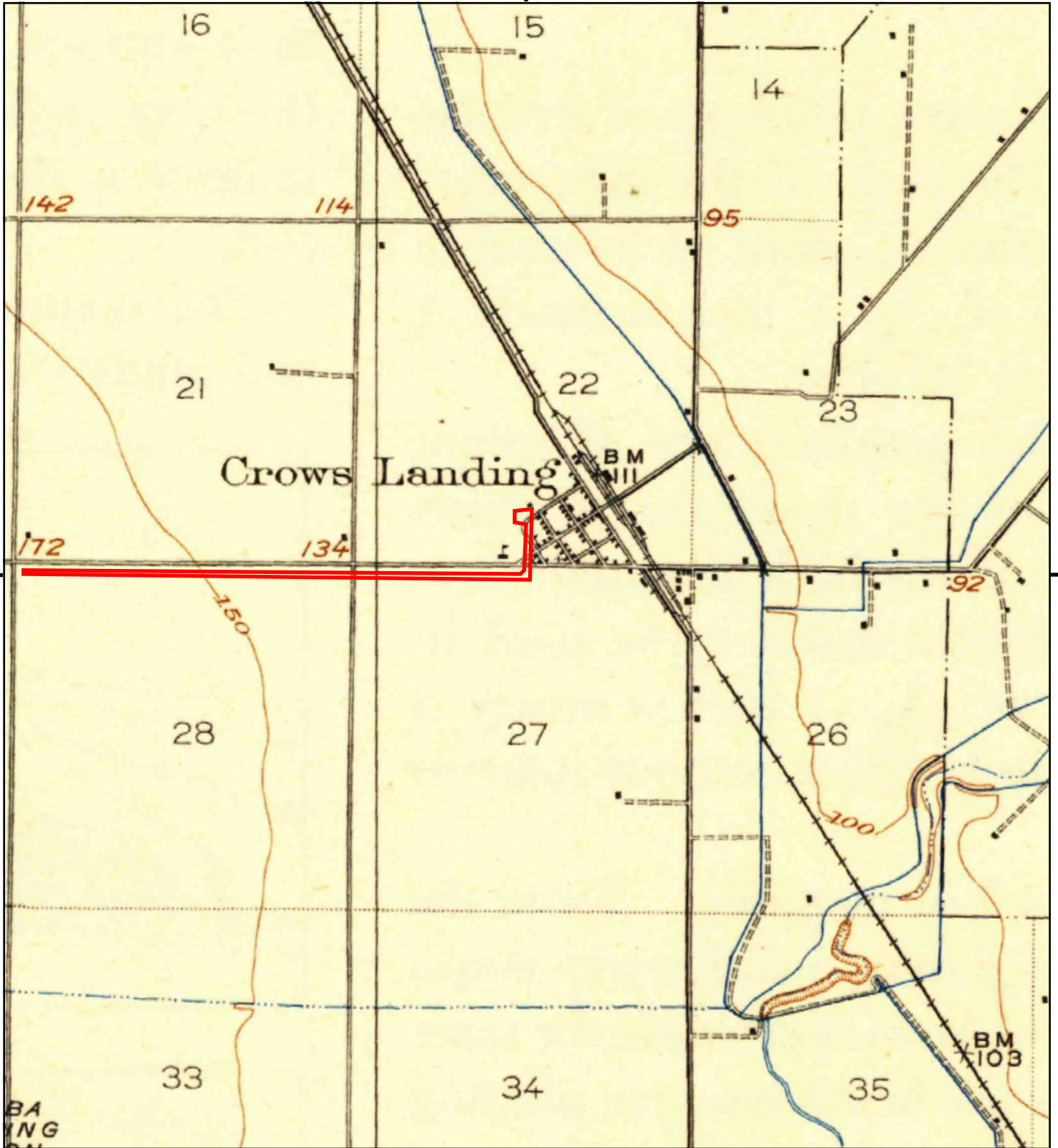
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TP, Orestimba, 1941, 15-minute

SITE NAME: Crows Landing New Well Site
 ADDRESS: 425 Fink Road
 Crows Landing, CA 95313
 CLIENT: Drake Haglan and Associates





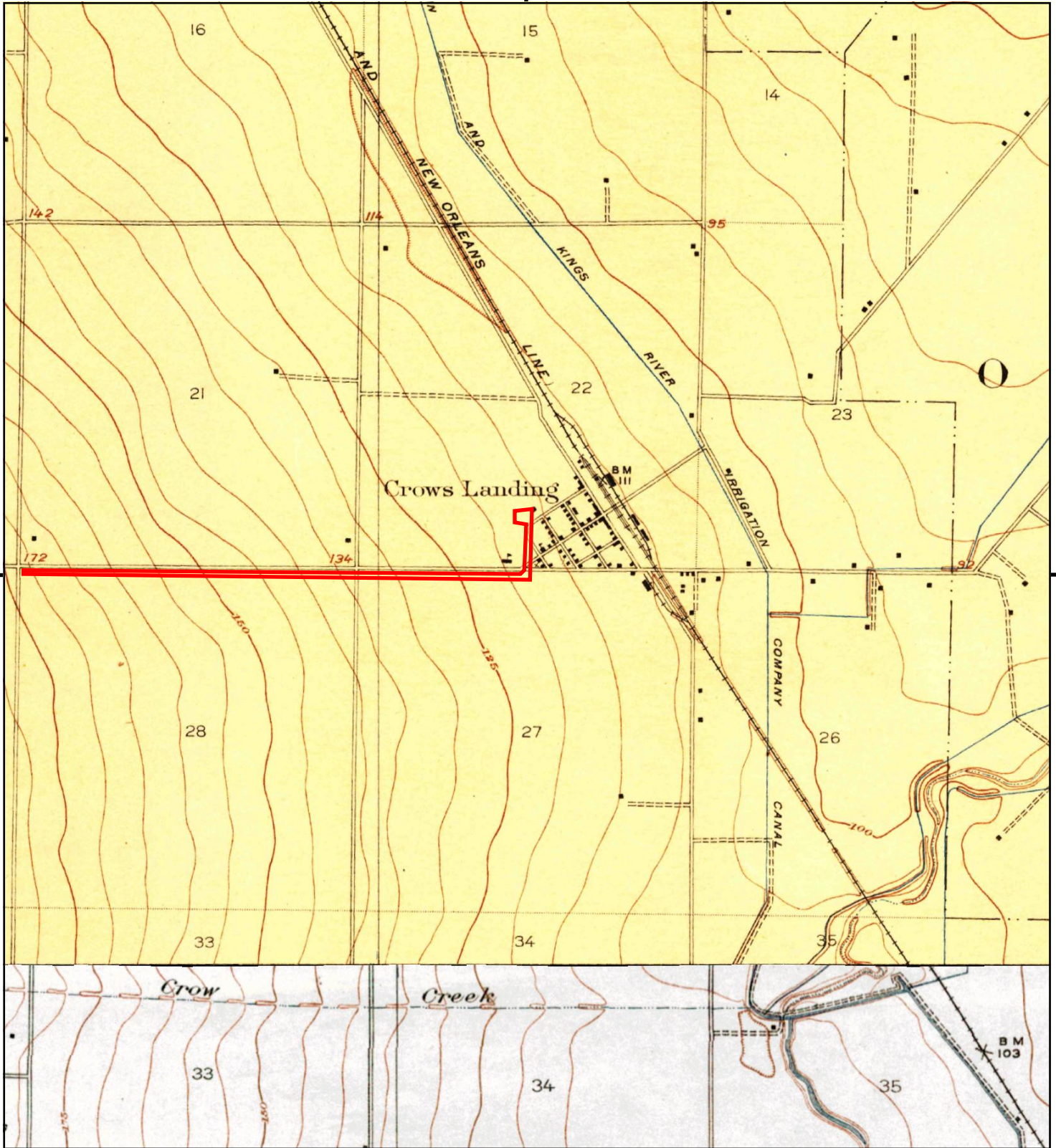
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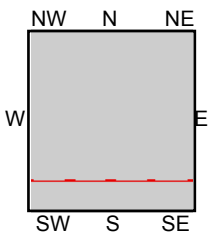
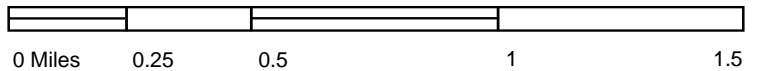
TP, Orestimba, 1919, 15-minute

SITE NAME: Crows Landing New Well Site
ADDRESS: 425 Fink Road
Crows Landing, CA 95313
CLIENT: Drake Haglan and Associates





This report includes information from the following map sheet(s).



TP, Crows Landing, 1916, 7.5-minute
S, NEWMAN, 1915, 7.5-minute

SITE NAME: Crows Landing New Well Site
ADDRESS: 425 Fink Road
Crows Landing, CA 95313
CLIENT: Drake Haglan and Associates



Crows Landing New Well Site

425 Fink Road

Crows Landing, CA 95313

Inquiry Number: 6201381.3

September 22, 2020

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Certified Sanborn® Map Report

09/22/20

Site Name:

Crows Landing New Well Site
425 Fink Road
Crows Landing, CA 95313
EDR Inquiry # 6201381.3

Client Name:

Drake Haglan and Associates
11060 White Rock Road, Suite 200
Rancho Cordova, CA 95670
Contact: Zachary Cornejo



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Maps Provided:
1933
1910



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Sanborn Sheet Key

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1933 Source Sheets



Volume 1, Sheet xxxx
1933

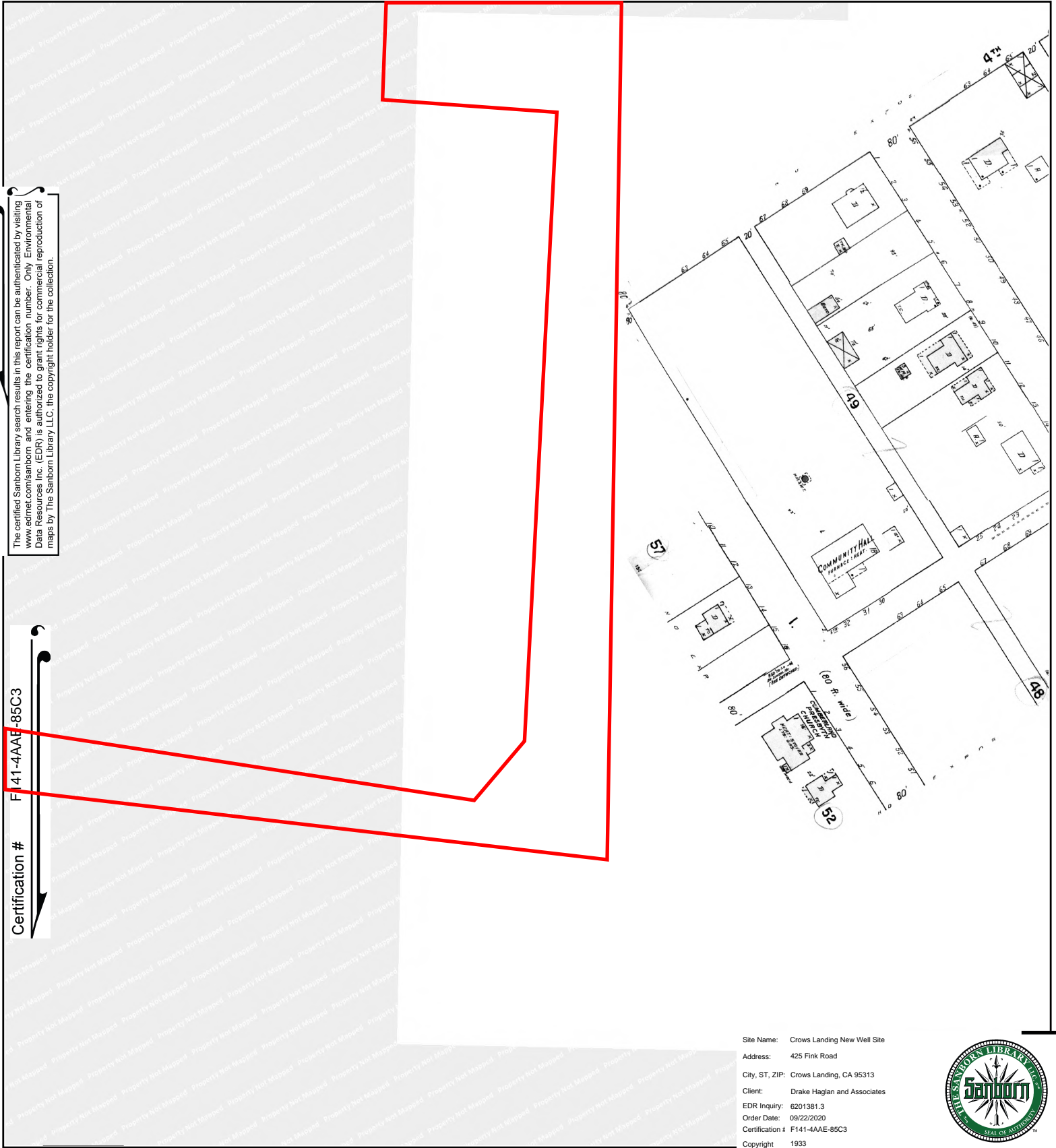
1910 Source Sheets



Volume 1, Sheet xxxx
1910

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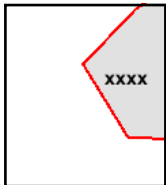
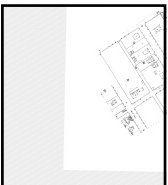
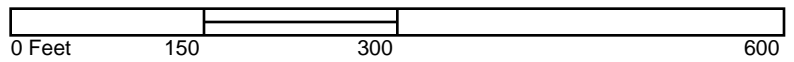
Certification # F141-4AAE-85C3



Site Name: Crows Landing New Well Site
 Address: 425 Fink Road
 City, ST, ZIP: Crows Landing, CA 95313
 Client: Drake Haglan and Associates
 EDR Inquiry: 6201381.3
 Order Date: 09/22/2020
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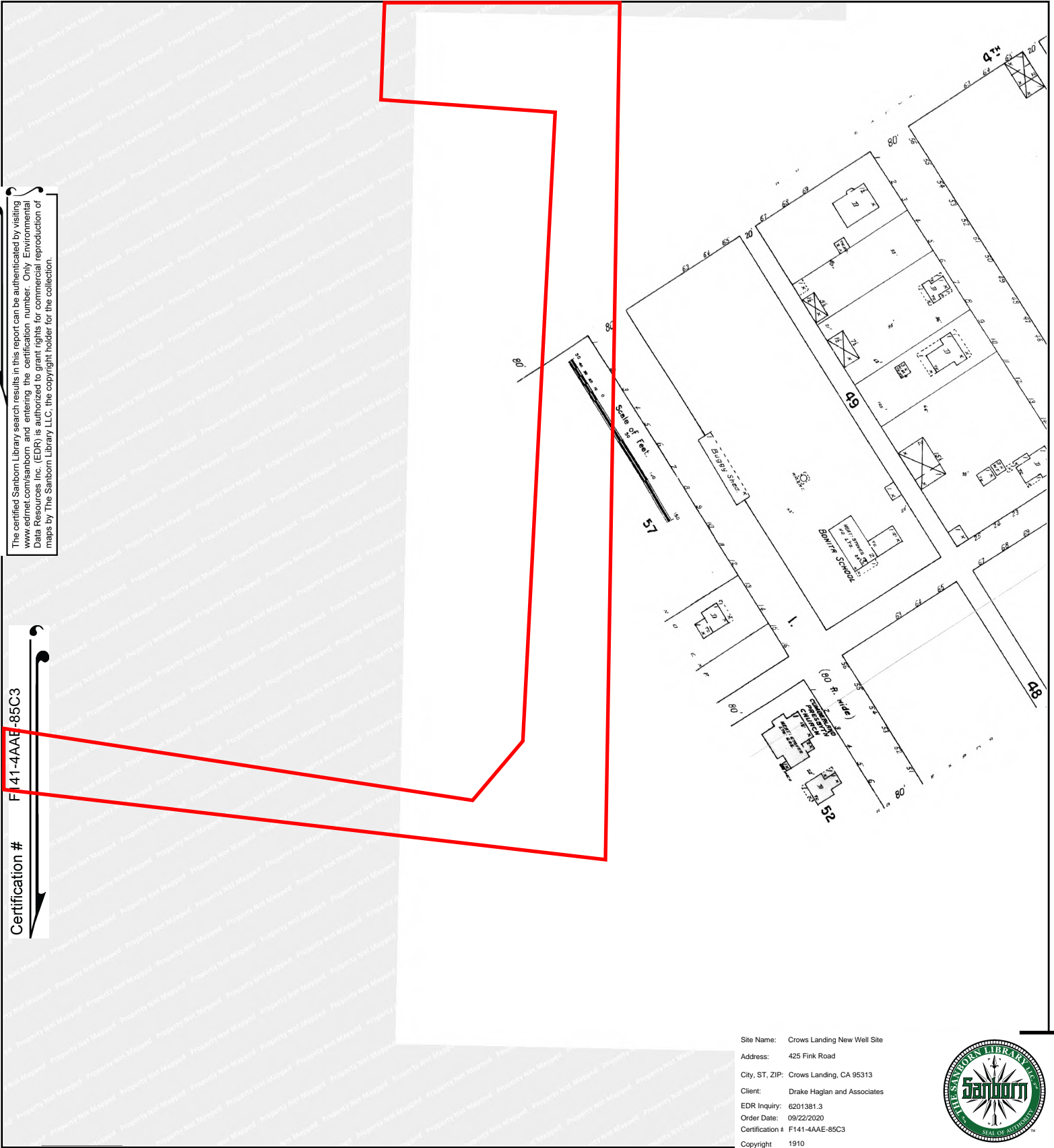


Volume 1, Sheet xxxx



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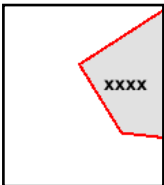
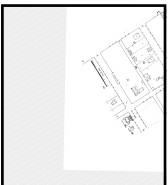
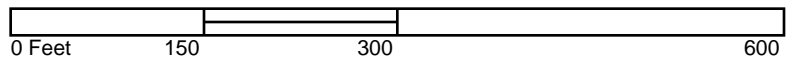
Certification # F141-4AAE-85C3



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Appendix F

Figures from the Del Puerto Canyon Reservoir Final EIR
– Dam Inundation

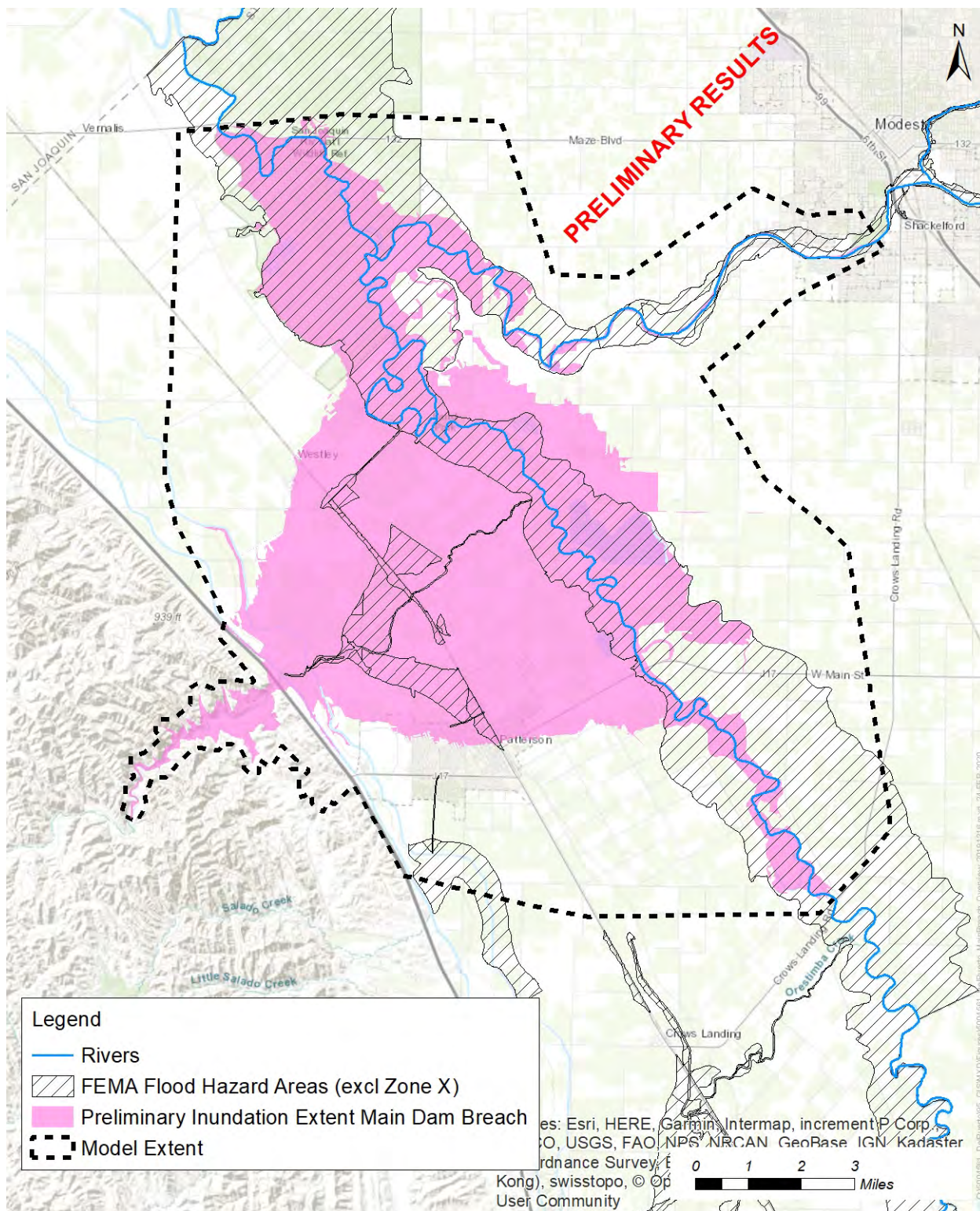


Figure 3: Preliminary inundation extents resulting from hypothetical failure of Del Puerto Main Dam

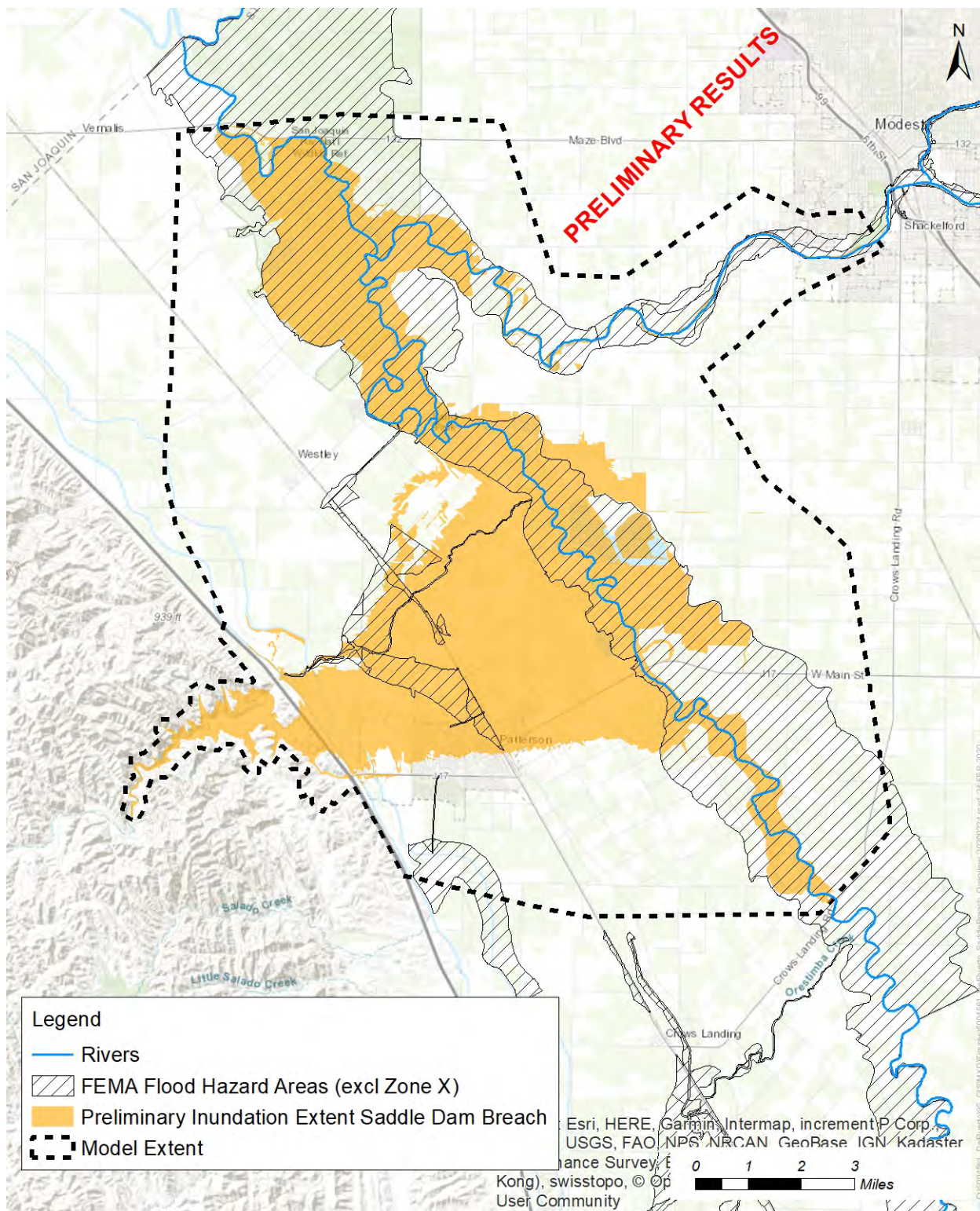


Figure 6: Preliminary inundation extents resulting from hypothetical failure of Del Puerto Saddle Dam 1