

CHAPTER 5.0 – CUMULATIVE IMPACTS

5.1 Introduction

The State CEQA Guidelines (Section 15355) indicate that a cumulative impact is “the change in the environment which results from the incremental impact of the Project when added to other closely related past, present and reasonably foreseeable probable future projects.” Sections 15065 and 15130 of the State CEQA Guidelines require that an EIR address cumulative impacts of a project when the project’s incremental effects would be cumulatively considerable; i.e., the incremental effects of the Proposed Project would be “considerable when viewed in connection with the effects of past projects, the effects of other current projects and the effects of probable future projects.” This section provides information regarding past, present and reasonably anticipated future projects that could potentially combine with the Proposed Project to result in cumulatively considerable impacts. The projects considered in the cumulative analysis are outlined below in Section 5.2, *Evaluation Methodology*, followed by analyses of potential cumulative impacts for each of the environmental resources discussed in this EIR.

Where a lead agency determines the project’s incremental effect would not be cumulatively considerable, a brief description of the basis for such a conclusion must be included. In addition, the State CEQA Guidelines allow for a project’s contribution to be rendered less than cumulatively considerable with implementation of appropriate mitigation.

5.2 Evaluation Methodology

Projects in the vicinity of the Proposed Project considered for the analysis of localized cumulative impacts (i.e., aesthetics, air quality, transportation/circulation, biological resources, noise and public services/utilities), are mapped on Figure 5-1, *Cumulative Projects*, with summary descriptions provided in Table 5-1, *Cumulative Projects*. Projects listed in Table 5-1 include industrial, commercial, and residential projects filed for processing at the County and the City of San Diego. Table 5-2, *Cumulative Project Impacts Summary*, summarizes the environmental impacts of the identified projects based on research of applicable environmental documents at County and City offices.

Geographic areas encompassed in the cumulative impact analysis vary by environmental issue based on the anticipated extent of the Proposed Project’s potential contribution to cumulative impacts. For example, for the purpose of evaluating aesthetics, the Project viewshed was utilized, while public services and utilities analyses encompassed the jurisdictional areas of the various service providers. For the purposes of cumulative traffic analysis, the near-term analysis relies on information provided by the County, City of San Diego and California Department of Transportation (Caltrans) on local improvements, whereas the SANDAG Series 12 Model Base Forecasts were used to predict future (2050) traffic conditions (see Subsection 4.7.3.2). The area of consideration for cumulative biological projects was restricted to sites within the County, generally east of SR 125 and west of the Project site, given that BLM land occurs to the north and east of the Project site. Cumulative analysis for biological resources was based on the BTR, dated January 2017 (see Appendix E). A total of 50 projects (including the Proposed Project) were reviewed for this cumulative analysis (Figure 5-2, *Cumulative Projects for Biological Resources*, and Table 5-3, *Cumulative Biological Resources Impacts*). Of these 42 cumulative projects,

25 would result in significant or potentially significant cumulative impacts to sensitive biological resources. The remaining 17 projects either would not result in impacts to sensitive biological resources or information on impacts is not available.

The analysis of cumulative impacts associated with regional issues (i.e., air quality and water quality) is based on regional plans and policies, such as the RAQS and SIP for air quality and the Basin Plan for water quality. Cumulative air quality impacts are addressed through reviewing individual projects and determining whether they are in compliance with regional air quality emissions standards. The RAQS and SIP and projected emissions and thresholds are based upon planned regional growth such as the growth anticipated in the adopted County General Plan. The RAQS and SIP are available for public review at the APCD.

Cumulative water quality impacts are addressed through the criteria and standards in the Basin Plan and related NPDES criteria, which are applied on a project-by-project basis. The Basin Plan, which provides guidelines for all of San Diego County, incorporates local land use and growth assumptions, particularly in relationship to impervious surfaces (i.e., development) and planned drainage systems. The adopted County General Plan is the local land use plan assumed in the Basin Plan. The Basin Plan can be viewed on the CalEPA website (http://www.waterboards.ca.gov/sandiego/water_issues/programs/basin_plan/) and also is available for public review at the RWQCB (Region 9) office in San Diego. Specific NPDES requirements, which are applicable to regional water quality issues, include the General Permit for Storm Water Discharges Associated with Industrial Activities.

As the Project site is located in the County's MSCP Subarea Plan, cumulative biological resource impacts (e.g., to sensitive habitats and plant and animal species, and wildlife movement corridors) are addressed through individual project compliance with the MSCP Subarea Plan, as well as the County BMO. The MSCP Subarea Plan takes into consideration the San Diego County General Plan (along with four other general plans in southern California) for determining where and how regional biological resources are protected from impacts. The MSCP Subarea Plan is available for public review at the County PDS and at the regional CDFW and USFWS offices.

Cumulative impacts associated with vehicular trips for traffic, air quality and noise are addressed in Chapter 4 for each of these issue areas since these types of traffic-related impacts are inherently cumulative by nature.

5.3 Cumulative Analysis

5.3.1 Geological Resources

5.3.1.1 *Proposed Project*

As described in Subchapter 4.1, *Geological Resources*, potential Project-specific (direct) geological resource impacts would be avoided or reduced to less than significant levels through adherence to recommendations provided in the associated geotechnical analyses and reclamation plan, conformance with established regulatory requirements, and implementation of identified mitigation. Potential impacts related to geologic hazards including landslides/slope stability, settlement and liquefaction are inherently restricted to the Project impact footprint due to existing and proposed physical conditions (e.g., slope locations and orientations), and would not contribute

to related cumulative impacts associated with other planned or proposed development. That is, all Project-related manufactured (cut and fill) slopes would be located within the Otay Hills property and would be oriented to grade down into (rather than away from) the Project impact footprint (refer to Figure 2-1, *Extraction Impact Footprint*). Identified landslide/slope stability hazards would therefore involve potential effects to (and not from) the Project impact footprint. Similarly, potential Project-related settlement and liquefaction impacts would be limited to native materials or fill placed on site in association with the IDEFO and would not contribute to any related off-site settlement or liquefaction potential. Addressing the described conditions for proposed development would involve measures to conform to existing regulatory requirements, adhere to site-specific design and construction recommendations, and implement identified mitigation measures that would not affect off-site areas. Specifically, measures such as limiting slope/bench grades and heights; using appropriate engineered fill, revegetation, drainage facilities, and erosion control efforts; conducting construction/ post-construction geotechnical monitoring and implementing associated slope design recommendations; and implementing a settlement monitoring program to address identified hazards for the described on-site manufactured slopes and fill would have no relationship to, or impact on, off-site areas. Because of the site-specific nature of potential landslide/slope stability, settlement and liquefaction hazards, and the measures to address them, there would be no connection to similar potential issues or cumulative effects to or from other properties.

5.3.1.2 *Extraction to Natural Grade Alternative*

As noted above for the Proposed Project, potential direct geological resource impacts under this alternative would be avoided or reduced to less than significant levels through adherence to recommendations provided in the associated geotechnical analyses and reclamation plan, conformance with established regulatory requirements, and implementation of identified mitigation. Potential impacts related to landslide/slope stability, settlement and liquefaction would be inherently restricted to the Project site, for the same reasons as described above for the Proposed Project and would, therefore, not contribute to related cumulative impacts associated with other planned or proposed development. Specifically, because of the site-specific nature of potential geological resource impacts and the measures to address them, there is no connection to similar potential issues or cumulative effects to or from other properties.

5.3.1.3 *Extraction to Varying Depth Alternative*

As noted above, potential direct geological resource impacts under this alternative would be avoided or reduced to less than significant levels through adherence to recommendations provided in the associated geotechnical analyses and reclamation plan, conformance with established regulatory requirements, and implementation of identified mitigation measures. Potential impacts related to landslide/slope stability, settlement and liquefaction under the Extraction to Varying Depth Alternative would be inherently restricted to the Project site, for the same reasons as described above for the Proposed Project and would, therefore, not contribute to related cumulative impacts associated with other planned or proposed development. Specifically, because of the site-specific nature of potential geological resource impacts and the measures to address them, there is no connection to similar potential issues or cumulative effects to or from other properties.

5.3.1.4 No Project/Existing Plan Alternative

As noted above, potential geotechnical impacts for this alternative would be avoided or reduced below identified significance thresholds through conformance with geotechnical report recommendations and established regulatory requirements, as well as implementation of identified mitigation. Potential impacts related to landslide/slope stability, settlement and liquefaction are inherently restricted to the Project site, for similar reasons as described for the Proposed Project, and would not contribute to related cumulative impacts associated with other planned or proposed development. Specifically, because of the site-specific nature of these potential hazards and the measures to address them, there is no connection to similar potential issues or cumulative effects to or from other properties.

5.3.1.5 No Project Alternative

This alternative would not involve any Project-specific impacts related to landslide/slope stability, settlement or liquefaction and, therefore, would not result in any associated cumulative impacts.

5.3.2 Hydrology/Water Quality

5.3.2.1 Proposed Project

As described in Subchapter 4.2, *Hydrology/Water Quality*, implementation of the Proposed Project would require conformance with a number of regulatory requirements related to hydrology and water quality, including applicable elements of the IBWC, CWA, NPDES, SMARA, and RWQCB Basin Plan standards. Based on this conformance, all identified Project-level hydrology and water quality impacts from the Proposed Project would be less than significant. Due to the described retention of overall drainage patterns and the overall reduction and regulation of runoff from the impact footprint, Project-related cumulative impacts related to hydrological considerations would also be less than significant.

Development of the projects listed below in Tables 5-1 and 5-2 (including the Proposed Project) could potentially result in significant cumulative water quality impacts, from effects such as increased erosion/sedimentation and the downstream transport of water-borne contaminants. Specifically, implementation of the Proposed Project (and other cumulative projects) would result in the generation of short- and long-term contaminants and would contribute to cumulative water quality impacts in downstream waters including the Tijuana River, Tijuana Estuary, and Pacific Ocean. Because the described Project-level efforts would not (and cannot) completely eliminate the generation of contaminants, the Project would incrementally contribute to cumulative water quality impacts. These cumulative impacts are considered less than significant, however, based on the following considerations:

- All identified Project-level water quality impacts would be less than significant based on site-specific Project design features and conformance with existing regulatory requirements.
- Applicable past, current, and future developments within the Project cumulative study area would also be subject to appropriate water quality standards. Depending on the nature and location of the cumulative projects, these requirements may entail applicable elements of

the IBWC; NPDES (including the Industrial General Permit as described for the Proposed Project, as well as the Construction General and/or Municipal permits for applicable developments); SMARA; the County Watershed Protection, Storm Water Management and Discharge Control Ordinance; and Basin Plan water quality objectives/beneficial uses.

These requirements are intended to address both site-specific and regional (i.e., cumulative) water quality impacts. All of the noted NPDES permits, for example, are required to consider Section 303(d) receiving water impairments, which are associated with surface waters that often extend across jurisdictional boundaries. Similarly, the referenced County Storm Water Standards and NPDES Municipal Permit are intended to protect environmentally sensitive areas and provide conformance with applicable water quality standards, including the CWA and RWQCB Basin Plan, on a watershed-wide basis. Specific measures identified to meet these goals include (among other criteria) a number of numeric and qualitative standards related to water quality and runoff discharge. In addition to these site-specific elements, the noted regulatory requirements recognize both the regional nature of contaminant generation and the contribution of existing development to cumulative water quality effects. With respect to these points, the current Municipal Permit (NPDES No. CAS0109266, Order No. R9-2013-0001, as amended by Order Nos. R9-2015-0001 and R9-2015-0100) “[f]ocuses on monitoring and management practices necessary to improve each watershed rather than political boundaries...” and requires that “[l]and use practices and the amount of impervious surfaces in areas of existing development must change to reduce the various impacts caused by hydromodification and pollutants from storm water runoff generated in developed areas.”

5.3.2.2 *Extraction to Natural Grade Alternative*

As described for the Proposed Project, implementation of the Extraction to Natural Grade Alternative would require conformance with a number of regulatory requirements related to hydrology and water quality, including applicable elements of the IBWC, NPDES Industrial General Permit, SMARA, and RWQCB Basin Plan standards. Based on such conformance, all identified Project-level hydrology and water quality impacts from this alternative would be avoided or reduced below a level of significance. Potential cumulative impacts related to hydrology and water quality for the Extraction to Natural Grade Alternative would also be less than significant, based on the same reasons as described above for the Proposed Project.

5.3.2.3 *Extraction to Varying Depth Alternative*

As noted above for the Proposed Project, implementation of the Extraction to Varying Depth Alternative would require conformance with a number of regulatory requirements related to hydrology and water quality, including applicable elements of the IBWC, NPDES Industrial General Permit, SMARA, and RWQCB Basin Plan standards. Based on such conformance, all identified Project-level hydrology and water quality impacts from this alternative would be avoided or reduced below a level of significance. Potential cumulative impacts related to hydrology and water quality for the Extraction to Varying Depth Alternative would also be less than significant, based on the same reasons as described above for the Proposed Project.

5.3.2.4 No Project/Existing Plan Alternative

As noted above for the Proposed Project, implementation of the No Project/Existing Plan Alternative would require conformance with a number of regulatory requirements related to hydrology and water quality. Based on such conformance, all identified Project-level hydrology and water quality impacts from this alternative would be avoided or reduced below a level of significance. Potential cumulative impacts related to hydrology and water quality for the No Project/Existing Plan Alternative would also be less than significant, based on similar reasons as described above for the Proposed Project.

5.3.2.5 No Project Alternative

Because this alternative would not involve any Project-specific hydrology/water quality impacts, no associated cumulative impacts would occur.

5.3.3 Biological Resources

5.3.3.1 Proposed Project

A total of 45 projects (including the Proposed Project) were reviewed for this cumulative analysis. 29 of these projects would result in significant or potentially significant cumulative impacts to sensitive biological resources (refer to Table 5-3). The remaining 16 projects either would not result in impacts to sensitive species, or information on impacts is not available. The MSCP Subarea Plan is a regional plan with mitigation ratios and guidelines designed to mitigate all direct, indirect, and cumulative impacts resulting from projects within the MSCP Subarea. Cumulative projects, including the Proposed Project, are required to be in compliance with the applicable MSCP subarea plan (County, City of San Diego, or City of Chula Vista), and such compliance ensures the future viability of sensitive vegetation communities and plant and animal species through measures such as preservation of species and appropriate habitat on site, acquisition of appropriate habitat off site, and restoration and/or translocation of individuals.

Sensitive Habitats

The 44 cumulative projects with available data (including the Proposed Project) would result in impacts to 20.17 acres of riparian/wetland habitats, 98.09 acres of native grassland, 679.16 acres of Diegan coastal sage scrub, 114 acres of chamise chaparral and 2,036.43 acres of non-native grassland. The 44 cumulative projects with available data (including the Proposed Project) would preserve at least 1,829 acres of sensitive vegetation communities (37.62 acres of riparian/wetland habitats, 10.49 acres of native grassland, 430.63 acres of Diegan coastal sage scrub, and 1,350.40 acres of non-native grassland) as mitigation for significant project-level impacts.

The Proposed Project's impacts to 0.34 acre of riparian/wetland habitat, while significant at the project level are fully mitigated by on- or off-site restoration in accordance with the County and resource agencies. Given that mitigation would occur at ratios of 1:1 and 3:1, there would be no net loss of riparian/wetland habitat, and therefore, no cumulatively significant impact to riparian/wetland habitats would occur. The Proposed Project's impacts to native grassland (0.5 acre), while significant at the project level, are fully mitigated with preservation within the Project site or off-site acquisition of suitable habitat. Cumulative projects, including the Proposed

Project would be required to be in conformance with the MSCP; therefore, no cumulatively significant impact to native grassland would occur. The Proposed Project's direct and indirect impacts to 87.3 acres of Diegan coastal sage scrub and 31.1 acres of non-native grassland, while significant at the project level, are fully mitigated by preservation of appropriate habitat within the Project site. Cumulative projects, including the Proposed Project, would be required to be in conformance with the MSCP; therefore, a less than significant cumulative impact to Diegan coastal sage scrub or non-native grassland would occur. In addition, the Proposed Project would not impact chamise chaparral; therefore, the Proposed Project would not contribute to any significant cumulative impacts to chamise chaparral.

Sensitive Plant Species

The 44 cumulative projects with available data (including the Proposed Project), would result in impacts to 7,030 Otay tarplant, 4,510 variegated dudleya, 2,711 San Diego goldenstar, 513 San Diego barrel cactus and 332 San Diego marsh-elder. The Proposed Project would result in impacts to 30 Otay tarplant, 120 variegated dudleya, 1,214 San Diego goldenstar, 196 San Diego barrel cactus, and 142 San Diego marsh-elder. Mitigation for impacts to sensitive plant species from cumulative projects (including the Proposed Project) would occur at ratios of 1:1 to 3:1 in accordance with Section 86.507 of the BMO, which requires that "in-kind preservation shall be required at a 1:1 to 3:1 ratio [of listed or County Group A or B plant species]." The Proposed Project and the 44 cumulative projects with available data would preserve at least 510 Otay tarplant, 13,240 variegated dudleya, 12,223 San Diego goldenstar, 717 San Diego barrel cactus and 571 San Diego marsh-elder. Therefore, the Proposed Project's impacts to sensitive plant species, while significant at the project level, are fully mitigated with preservation of species and appropriate habitat within the Project site, acquisition of appropriate habitat off site, and restoration and/or translocation of individuals, as appropriate. As the cumulative projects, including the Proposed Project, would be required to be in conformance with the MSCP, cumulative impacts associated with sensitive plant species would be less than significant.

Cumulative impacts to County List D species San Diego needlegrass, western dichondra, southwestern spiny rush, San Diego sunflower, and ashy spike-moss were not considered for the cumulative impact analysis because these species are all known from numerous locations in the area, including in preserved habitat to the north and east of the site, which allow their local long-term survival regardless of the impacts to these species from the cumulative projects.

Sensitive Animal Species

The 44 cumulative projects (excluding the Proposed Project) with available data would result in impacts to 27 locations where QCB was observed, 38 locations where CAGN were observed/detected, 21 locations where burrowing owls were observed/detected and approximately 2,695 acres of raptor foraging habitat (grasslands and Diegan coastal sage scrub [including disturbed]). In addition, the Proposed Project would result in impacts to five locations where QCB were observed, one pair of CAGN which were observed/detected, one location where burrowing owl was observed/detected and 118.9 acres of raptor foraging habitat (grasslands and Diegan coastal sage scrub [including disturbed]); 20.6 acres of Project impacts would be from indirect noise. Mitigation for impacted species resulting from cumulative projects (including the Proposed Project) includes the preservation of species and appropriate habitat on site, acquisition of

appropriate habitat off site, and restoration and/or translocation of individuals, as required by the MSCP. The Proposed Project's cumulative impacts to sensitive animal species would therefore be less than significant.

Cumulative impacts to County Group 2 animal species coastal whiptail, California horned lark, and San Diego black-tailed jackrabbit were not considered in the cumulative analysis because adequate habitat for these species occurs in the region such that the cumulative projects would not impact their regional long-term survival.

5.3.3.2 *Extraction to Natural Grade Alternative*

The cumulative analysis presented above for the Proposed Project would also apply to the Extraction to Natural Grade Alternative.

5.3.3.3 *Extraction to Varying Depth Alternative*

The cumulative analysis presented above for the Proposed Project would also apply to the Extraction to Varying Depth Alternative.

5.3.3.4 *No Project/Existing Plan Alternative*

Although no specific development plan exists for this alternative, the cumulative impact analysis for the No Project/Existing Plan Alternative would be similar to the analysis presented above for the Proposed Project, except that the No Project/Existing Plan Alternative would impact 14.6 acres more than the Proposed Project.

5.3.3.5 *No Project Alternative*

Because there would be no Project-related impacts to biological resources under this alternative, there also would be no Project contribution to cumulative impacts.

5.3.4 Cultural Resources

5.3.4.1 *Proposed Project*

There is abundant evidence that prehistoric cultural activity was widespread, both within and adjacent to the Project impact footprint, exploiting the natural abundance of lithic resources and the water and food sources in the Otay Mesa area. The sites within the Major Use Permit footprint are connected geographically, temporally, and culturally to related sites within a short distance of the Project. Together, these sites form a recognizable collection of habitation and processing sites that are associated with major Kumeyaay and Archaic La Jolla Complex encampments in Otay Valley and Salt Creek to the north.

Many of the individual sites, however, are not considered significant, and have little or no research potential. The *Management Plan for Otay Mesa Prehistoric Resources, San Diego, California* (Gallegos et al. 1998) that was prepared for Otay Mesa in conjunction with the archaeological program for the construction of SR 905 provides a better understanding of past cultural resources work and recommendations for future work throughout Otay Mesa. This management plan states

that extensive research, including survey and testing programs, have been conducted on the sparse lithic scatters throughout the area, and has concluded that they constitute:

a surface manifestation that contains no subsurface deposition, no ecofacts, no diagnostic artifacts, and no artifact diversity. Given this, tests of this site type have repeatedly shown this resource to lack research potential, lack Native American concerns, and lack the qualities that would make it eligible for the National Register of Historic Places or the California Register of Historical Resources. Because of the agricultural activity over the past 100 years and the absence of temporal placement and an intact subsurface deposit, these sites simply represent a smear or background noise, as opposed to the significant sites which provide information to address important research questions (Gallegos et al. 1998).

In other words, the management plan concludes that, although significant sites found on Otay Mesa can yield important information, the majority of the cultural resources found on Otay Mesa are sparse lithic scatters with no cultural or archaeological research potential.

The cumulative projects in the vicinity of the Major Use Permit footprint include all the projects listed in Table 5-1 and depicted on Figure 5-1. As noted in Table 5-2, none of the other projects would result in known significant archaeological or historic impacts. If any new, as yet unknown development projects in the area result in potential impacts to cultural resources, the importance of individual resources comes from the research value and the information they can provide to the archaeologist. The information gained from test excavations and data recovery programs at other locations within the County would be presented in reports and filed with the County and the SCIC. The artifact collections from any potentially significant site would be curated at a San Diego curation facility, tribal curation center, or would be repatriated to a tribe of appropriate affiliation. Due to the lack of impacts to cultural or historic resources resulting from other nearby projects, and because impacts to significant cultural resources associated with the Proposed Project would be mitigated to a less than significant level, the Proposed Project would not contribute to a known significant cumulative impact to archaeological or historical resources.

5.3.4.2 *Extraction to Natural Grade Alternative*

The cumulative analysis presented above for the Proposed Project would also apply to the Extraction to Natural Grade Alternative. Due to the lack of impacts to cultural or historic resources resulting from other nearby projects, and because impacts to significant cultural resources associated with the Extraction to Natural Grade Alternative would be mitigated to a less-than-significant level, the Extraction to Natural Grade Alternative would not contribute to a known significant cumulative impact to archaeological or historical resources.

5.3.4.3 *Extraction to Varying Depth Alternative*

The cumulative analysis presented above for the Proposed Project would also apply to the Extraction to Varying Depth Alternative. Due to the lack of impacts to cultural or historic resources resulting from other nearby projects, and because impacts to significant cultural resources associated with the Extraction to Varying Depth Alternative would be mitigated to a less-than-

significant level, the Extraction to Varying Depth Alternative would not contribute to a known significant cumulative impact to archaeological or historical resources.

5.3.4.4 No Project/Existing Plan Alternative

The cumulative analysis presented for the Proposed Project would also apply to the No Project/Existing Plan Alternative. Due to the lack of impacts to cultural or historic resources resulting from other nearby projects, and because impacts to significant cultural resources associated with the No Project/Existing Plan Alternative would be mitigated to a less than significant level, the No Project/Existing Plan Alternative would not contribute to a known significant cumulative impact to archaeological or historical resources.

5.3.4.5 No Project Alternative

Since there would be no Project-related impacts to cultural resources under this alternative, there also would be no Project contribution to cumulative impacts.

5.3.5 Noise (non-traffic generated)

5.3.5.1 Proposed Project

Based on the size and type of construction, no cumulative noise impacts associated with construction would occur. The addition of the Project construction noise at any location beyond the immediately adjacent properties would not contribute to a significant cumulative impact, as no other concurrent construction activities in the immediate area are known or planned. Cumulative construction noises would be less than significant.

5.3.5.2 Extraction to Natural Grade Alternative

Based on the size and type of construction, no cumulative noise impacts associated with construction would occur. The addition of the Extraction to Natural Grade Alternative construction noise at any location beyond the immediately adjacent properties would not contribute to a significant cumulative impact, as no other concurrent construction activities in the immediate area are known or planned. Cumulative construction noises would be less than significant.

5.3.5.3 Extraction to Varying Depth Alternative

Based on the size and type of construction, no cumulative noise impacts associated with construction would occur. The addition of the Extraction to Varying Depth Alternative construction noise at any location beyond the immediately adjacent properties would not contribute to a significant cumulative impact, as no other concurrent construction activities in the immediate area are known or planned. Cumulative construction noises would be less than significant.

5.3.5.4 No Project/Existing Plan Alternative

Construction noise associated with the No Project/Existing Plan Alternative would be substantially greater than the Proposed Project; however, the addition of No Project/Existing Plan Alternative

construction noise at any location beyond the immediately adjacent properties would not contribute to a significant cumulative impact, as no other concurrent construction activities in the immediate area are known or planned. Cumulative construction noises would be less than significant.

Non-Transportation related noise generated on-site would be from the planned Mixed Industrial and Rural Residential land use, which would typically be substantially less than that generated by the Proposed Project. Non-transportation-related operational impacts associated with noise from this alternative are expected to be less than significant.

5.3.5.5 No Project Alternative

With this alternative, no development would take place, and therefore, no cumulative noise impacts would occur.

5.3.6 Air Quality

5.3.6.1 Proposed Project

Cumulatively Considerable Net Increase of Criteria Pollutants (Guideline No. 3)

Although the environmental effects of an individual project may not be significant when that project is considered independently, the combined effects of several projects may be significant when considered collectively.

Construction Impacts

As discussed in Subchapter 4.6, *Air Quality*, Project emissions of VOC, NO_x, CO, PM₁₀ and PM_{2.5} during construction would be below the screening-level thresholds and would result in a less than significant air quality impact.

The SDAB has been designated as a Federal nonattainment area for ozone, and a State nonattainment area for ozone, PM₁₀ and PM_{2.5}. PM₁₀ and PM_{2.5} emissions associated with construction generally result in near-field impacts. The nonattainment status is the result of cumulative emissions from all sources of these air pollutants and their precursors within the SDAB. As discussed in Subchapter 4.6, the emissions of all criteria pollutants, including PM₁₀ and PM_{2.5}, would be well below the significance levels. Construction would be temporary and consistent with the size and scale of the Proposed Project. Construction activities required for the implementation of the Proposed Project would not result in significant impacts to air quality. While it is likely that construction associated with several other projects would occur in the general vicinity of the Proposed Project, the Project's contribution to the net cumulative emissions would be minimal due to construction practices that would keep emissions well below the significance thresholds for these pollutants. Therefore, the Project's contribution to cumulative construction emissions would be less than significant.

Operational Impacts

As stated in Subchapter 4.6, the RAQS relies on SANDAG's growth projections based on population, vehicle trends, and land use plans developed by the cities and by the County as part of the development of their general plans. While potential conflicts with the RAQS may occur when a proposed Project seeks to change the land use designations, the effect of project-related emissions on anticipated population also is important. One of the main air pollution control strategies contained in the RAQS and the Regional Plan is the reduction of VMT and the creation of more jobs-producing land uses to create a better jobs-to-housing balance and to reduce commute times and VMT. The Project is consistent with this goal since, as identified in Section 4.14, it would create job opportunities in an area in need of them. Furthermore, because aggregate supply will be consumed with or without the proposed Project, the Project would not have an effect on overall demand. However, the Project has an effect on the distance that trucks delivering aggregates travel within the region. Project aggregate from the proposed facility would replace materials hauled from farther distances to the south San Diego County region. This rationale is supported by Dr. Peter Berk's – *Working Paper No. 994 – A Note on the Environmental Costs of Aggregate* (Department of Agricultural and Resource Economics and Policy, Division of Agricultural and Natural Resources, University of California Berkley, January 2005).

Emissions projections used to establish SDAPCD attainment objectives reflect adopted regional and local land use plans. Therefore, the emissions associated with the Project are within the amounts already accounted for in the RAQS, and no significant inconsistency with the RAQS would occur.

With regard to past and present projects, the background ambient air quality, as measured at the monitoring stations maintained and operated by the APCD, measures the concentrations of pollutants from existing sources. Past and present project impacts are, therefore, included in the background ambient air quality data. The projects listed in Table 5-1 are planned or reasonably foreseeable, and, as such, are subject to CEQA. The locations of all cumulative projects are provided in Figure 5-1. For the purpose of nonattainment pollutants, the cumulative study area would be the entire air basin; however, contributions from individual projects on basin-wide nonattainment pollutants cannot be determined through modeling analyses.

In analyzing cumulative impacts for air quality, specific evaluation must occur regarding a project's contribution to the cumulative increase in pollutants for which the SDAB is listed as "nonattainment" for the CAAQS and/or NAAQS. A project that has a significant impact on air quality with regard to emissions of PM₁₀, PM_{2.5}, NO_x, and/or VOCs, as determined by the screening criteria outlined in Subchapter 4.6, would have a significant cumulative effect. In the event direct impacts from the project are less than significant, a project still may have a cumulatively considerable impact on air quality if the emissions from the project, in combination with the emissions from other proposed, or reasonably foreseeable, future projects are in excess of identified screening levels. The text below addresses each of the thresholds relative to cumulative contribution.

A CO "hotspot" analysis was conducted to determine whether the Proposed Project would contribute to a violation of the ambient air quality standards for CO at one intersection for which a significant traffic impact was identified. As shown in Table 4.6-12, the predicted CO

concentrations at the Otay Mesa Road and Alta Road intersection would be substantially below the one-hour and eight-hour CAAQS for CO. As such, no exceedance of the CO standard at any intersections is predicted to occur, and the Project would not have a cumulatively considerable impact related to CO hot spots. Based on the CO hot spots evaluation, cumulative impacts associated with CO hot spots would be less than significant.

As discussed in Subchapter 4.6, Phase 2 operational NO_x emissions would exceed the screening-level threshold. The Project would be consistent with the RAQS and SIP. It was demonstrated that operational emissions would result in a significant and unavoidable impact and that the Proposed Project would cease operation by year 2128. Therefore, the Proposed Project would contribute to a cumulatively considerable net increase in emissions. The majority of the Phase 2 emissions are a direct result of off-site truck trips. As described previously, the aggregate produced by the Proposed Project would reduce demand on other aggregate operations currently supplying materials over a longer distance. A market analysis has estimated that the total distance from more distant quarries in San Diego County to the Otay Hills Quarry market area is approximately 29 miles per trip. The average distance to the market area from the Proposed Project site is 10 miles per trip. The difference in the trip length between the local and regional trips would help reduce the emissions from the truck trips. Nevertheless, the Project would result in a significant and unavoidable cumulatively considerable impact to related to emissions of NO_x during Phase 2.

The effects of objectionable odors are typically localized to the immediate surrounding area specific to each Project site. Because odor-producing operations would be monitored, impacts to adjacent sensitive receptors, the nearest of which is located approximately two miles away, are not anticipated.

5.3.6.2 Extraction to Natural Grade Alternative

Cumulative air quality impacts associated with the Extraction to Natural Grade Alternative would be similar to those described above for the Proposed Project and would result in a significant and unavoidable cumulatively considerable impact related to emissions of NO_x during Phase 2.

5.3.6.3 Extraction to Varying Depth Alternative

Cumulative air quality impacts associated with the Extraction to Varying Depth Alternative would be similar to those described above for the Proposed Project and would result in a significant and unavoidable cumulatively considerable impact related to emissions of NO_x during Phase 2. Cumulative air quality impacts *would* be less than significant under the Extraction to Varying Depth Alternative.

5.3.6.4 No Project/Existing Plan Alternative

Because the No Project/Existing Plan Alternative does not propose a change in land use from the project evaluated in the EOMSP and the EOMSP Final EIR, the Proposed Project would be consistent with the RAQS and SIP. Emissions associated with the No Project/Existing Plan Alternative are accounted for and considered in the emissions budget for the EOMSP Area. The No Project/Existing Plan Alternative would, therefore, not result in a cumulatively considerable impact on the ambient air quality.

5.3.6.5 No Project Alternative

Because it would not result in additional criteria pollutant emissions from construction or operations, the No Project/No Action Alternative would not contribute to cumulative impacts in the Project area.

5.3.7 Hazardous Materials, Public Health and Safety

5.3.7.1 Proposed Project

As noted in Subchapter 4.8, *Hazardous Materials, Public Health and Safety*, potential Project-specific hazardous materials impacts would be avoided or reduced below identified significance guidelines through conformance with established regulatory requirements and the review and approval of a HMBP with DEH HMD. Based on this conformance and the nature and scale of proposed hazardous material use/storage on site, the Proposed Project would not contribute to related cumulative impacts associated with other planned or proposed development. Specifically, the Project would involve the on-site use and storage of approximately 2,000 gallons of diesel, 1,000 gallons of gasoline, and relatively small quantities of materials such as solvents, coolants and lubricants, with no underground storage or potential release to local groundwater. In addition, proposed blasting would conform to all associated regulatory requirements regarding blasting operations, use/transport of explosives, and the qualifications of the Project blaster. These conditions, coupled with the use of containment and control measures pursuant to applicable regulatory requirements, would avoid related potential cumulative effects to, or in association with, other properties. Therefore, cumulative impacts associated with hazards and hazardous substances would be less than significant.

The Project would not result in any significant impacts related to vector hazards because the Project would include design measures to reduce the possibility of vector attraction and breeding on the Project site. The cumulative projects also would be subject to ongoing Project vector control measures; therefore, cumulative impacts associated with vector hazards would be less than significant.

Conditions in many parts of the Otay Mesa area are similar to those found within the Project impact footprint; that is, chaparral vegetation, erratic winds, and potential drought conditions. As a result, most, if not all, cumulative projects would have a similar potential to represent a significant wildland fire hazard. Similar to the Proposed Project, however, these projects would be subject to the provisions of the California Fire Code, and would be required to avoid or reduce their potential for fire danger through use of defensible space and vegetation management zones, conformance to fire-resistant building requirements, installation of fire hydrants and access roads, and similar measures. Because the Proposed Project and all the cumulative projects in the area would mitigate avoid or reduce potential wildland fire hazard impacts, cumulative impacts to public health and safety would be less than significant.

5.3.7.2 Extraction to Natural Grade Alternative

Potential Project-specific hazardous materials impacts under this alternative would be avoided or reduced below identified significance thresholds through conformance with established regulatory requirements. Based on this conformance and the nature and scale of proposed hazardous material

use/storage onsite, the Extraction to Natural Grade Alternative would not contribute to related cumulative impacts associated with other planned or proposed development. Specifically, this conclusion is based on similar considerations as noted above for the Proposed Project.

The Extraction to Natural Grade Alternative would not result in any significant impacts related to vector hazards because this alternative would include design measures to reduce the possibility of vector attraction and breeding on the Project site. The cumulative projects also would be subject to vector control measures; therefore, cumulative impacts associated with vector hazards would be less than significant.

Cumulative projects in the Project vicinity could represent a significant wildland fire hazard. These cumulative projects, however, as well as the Extraction to Natural Grade Alternative, would be subject to the provisions of the California Fire Code and would be required to avoid or reduce their potential for fire danger through use of defensible space and vegetation management zones, conformance to fire-resistant building requirements, installation of fire hydrants and access roads, and similar measures. Because the Extraction to Natural Grade Alternative and all the cumulative projects in the area would be required to avoid or reduce potential wildland fire hazard impacts, cumulative impacts to public health and safety would be less than significant.

5.3.7.3 Extraction to Varying Depth Alternative

Potential Project-specific hazardous materials impacts under this alternative would be avoided or reduced below identified significance thresholds through conformance with established regulatory requirements. Based on this conformance and the nature and scale of proposed hazardous material use/storage on site, the Extraction to Varying Depth Alternative would not contribute to related cumulative impacts associated with other planned or proposed development. Specifically, this conclusion is based on similar considerations as noted above for the Proposed Project.

The Extraction to Varying Depth Alternative would not result in any significant impacts related to vector hazards because this alternative would include design measures to reduce the possibility of vector attraction and breeding on the Project site. The cumulative projects also would be subject to vector control measures; therefore, cumulative impacts associated with vector hazards would be less than significant.

Cumulative projects in the Project vicinity could represent a significant wildland fire hazard. These cumulative projects, however, as well as the Extraction to Varying Depth Alternative, would be subject to the provisions of the California Fire Code and would be required to avoid or reduce their potential for fire danger through use of defensible space and vegetation management zones, conformance to fire-resistant building requirements, installation of fire hydrants and access roads, and similar measures. Because the Extraction to Varying Depth Alternative and all the cumulative projects in the area would be required to avoid or reduce potential wildland fire hazard impacts, cumulative impacts to public health and safety would be less than significant.

5.3.7.4 No Project/Existing Plan Alternative

Potential Project-specific hazardous materials impacts under this alternative would be avoided or reduced below identified significance thresholds through conformance with established regulatory requirements. Based on this conformance, the No Project/Existing Plan Alternative would not

contribute to related cumulative impacts associated with other planned or proposed development. Specifically, this conclusion is based on similar considerations as noted above for the Proposed Project.

The No Project/Existing Plan Alternative would not result in any significant impacts related to vector hazards because this alternative would include design measures to reduce the possibility of vector attraction and breeding on the Project site. The cumulative projects also would be subject to vector control measures; therefore, cumulative impacts associated with vector hazards would be less than significant.

Cumulative projects in the Project vicinity could represent a significant wildland fire hazard. These cumulative projects, however, as well as the No Project/Existing Plan Alternative, would be subject to the provisions of the California Fire Code and would be required to avoid or reduce their potential for fire danger through use of defensible space and vegetation management zones, conformance to fire-resistant building requirements, installation of fire hydrants and access roads, and similar measures. Because the No Project/Existing Plan Alternative and all the cumulative projects in the area would be required to avoid or reduce potential wildland fire hazard impacts, cumulative impacts to public health and safety would be less than significant.

5.3.7.5 No Project Alternative

Under this alternative, no development of the site would occur. Therefore, no associated cumulative effects would occur.

5.3.8 Land Use and Planning

5.3.8.1 Proposed Project

Significant cumulative land use and planning impacts occur as a result of the combined effects of several independent actions which, when examined individually, might not be considered to be significant. Completion of the various residential and industrial projects listed in Table 5-1 is anticipated to increase the density and urban intensity of the area, which may alter the overall character of the area over the long term.

As discussed in Subchapter 4.9, *Land Use and Planning*, the Proposed Project would be compatible with adjacent land uses and surrounding densities. The applicable General Plan and zoning designations for the Project site and surrounding areas call for mixed industrial and rural residential development. As part of the Proposed Project, the EOMSP would be amended to designate the Project impact footprint as Mixed Industrial. It would also remove the Mixed Industrial designation from those portions of the Project site that would not be affected by extractive operations and designate those areas as Conservation/Limited Use. The SPA would change the designation of approximately 33 acres of Mixed Industrial land to Conservation/Limited Use. In addition, approximately 78 acres of land currently designated as Rural Residential would be designated as Mixed Industrial and 189 acres of Rural Residential would be designated as Conservation/Limited Use. In concert with the Proposed Project, the projects listed in Table 5-1 would continue a pattern of land conversion from undeveloped or underdeveloped land to urban use. This land use change has been considered in the City and County General Plans, City of San Diego Otay Mesa Community Plan, and the County's Otay Subregional Plan. Thus, the primary

effect of this cumulative land use change has been anticipated. Project implementation would result in a significant cumulative land use impact due to inconsistency with the County General Plan Noise Element, related to Project-generated transportation noise levels at three identified residences on Otay Mesa Road. Therefore, significant cumulative impacts related to land use would occur as a result of development of the Proposed Project due to inconsistency with the Noise Element in the County General Plan. (Impact LU-3)

5.3.8.2 Extraction to Natural Grade Alternative

As noted for the Proposed Project, the Extraction to Natural Grade Alternative, in combination with other cumulative projects in the area, would not be consistent with the Noise Element of the County General Plan, and would contribute to significant cumulative land use impacts. Significant cumulative impacts related to land use would occur as a result of development of the Extraction to Natural Grade Alternative due to inconsistency with the Noise Element in the County General Plan. (Impact LU-3)

5.3.8.3 Extraction to Varying Depth Alternative

As noted for the Proposed Project, the Extraction to Varying Depth Alternative, in combination with other cumulative projects in the area, would not be consistent with the Noise Element of the County General Plan, and would contribute to significant cumulative land use impacts. Significant cumulative impacts related to land use would occur as a result of development of the Extraction to Varying Depth Alternative due to inconsistency with the Noise Element in the County General Plan. (Impact LU-3).

5.3.8.4 No Project/Existing Plan Alternative

The No Project/Existing Plan Alternative, in combination with other cumulative projects in the area, would be consistent with the County General Plan and EOMSP, and would not contribute to significant cumulative land use impacts.

5.3.8.5 No Project Alternative

Under this alternative, there would be no development and, therefore, no cumulative land use impacts would occur.

5.3.9 Aesthetics

5.3.9.1 Proposed Project

Most of the cumulative projects identified in Table 5-1 would include landscaping, either within parking lots, along the perimeter of a lot, and/or as streetscaping that includes both trees and shrubs. Clear examples of such planting are shown along the north side of Calzada de la Fuente in Section 3.10 View 5, and along Paseo de la Fuente or Access Road in Section 3.10 Views 7 and 8. The proposed landscaping would add more vegetation within the viewshed, but the vegetation would be similar to the trees currently visible in developed portions of the mesa. Generally, the landscaping would not block views of the mountains in the background. Several of the cumulative projects, such as the power plant, Pio Pico Energy Center and Vulcan Batching Plant, would

include large-scale structures. The Otay Crossings Project would create flat pad areas visually similar to the mostly flat topography currently visible in the simulation photograph. The Proposed Project would extend the flat topography of the surrounding area eastward. Based on the generally flat nature of the mesa overall (see Section 3.10 Views 2, 10, and 11 for views showing the mesa, as well as Figure 5-1 which includes reference to underlying topography) development associated with the cumulative projects list is not expected to result in substantial alteration of landforms – modifications from existing elevations would be relatively minimal and incursions into more rugged terrain would be relatively limited. As development nears the base of the foothills (see Section 3.10 Views 3, 4, 7 and 8) the Project and other cumulative projects would create flatter pads on slightly more varied terrain, and, in the case of the Project, also cut into lower slopes in the foothills while extending mesa floor to the east. None of the mesa is identified an area of special scenic beauty, and the “visually prominent” landform associated with it is generally flat. Nearer the foothills and mountains, the Project would excavate into the lower foothills. This does not combine with any other cumulative project as it is the only project excavating into the western foothills. It is also noted that neither Johnson Canyon nor O’Neal Canyon (the two areas identified in EOMSP Policy UD-1 as being primarily applicable) would be impacted. Given the scale (both horizontal and vertical) of the foothills and mountains east of the mesa, grading would occur within a relatively small portion of the foothills (see Figure 4.10-8, which depicts only part of the view easterly as seen by the human eye (a cone of vision), in accordance with County guidelines for simulations). It is notable that the Project would not modify ridgelines/hilltops or views to the mountains beyond. As such, neither the Proposed Project nor any of the cumulative projects in the immediate vicinity would substantially alter landforms or visual quality in a way that would be inconsistent with the pattern of development that has been established in the eastern Otay Mesa area.

Currently, large areas within the eastern portions of the mesa still appear to consist of open space, with a few large-scale developed uses. The continuity provided by miles of visually uniform open fields covered by non-irrigated native and non-native vegetation with few vertical features is being replaced by (alternatively continuous) one- to two-story structures of uniform construction surrounded by irrigated vegetation. The changes in increased scale and mass, as well as the change in the transition (flow) between elements observed associated with implementation of the identified cumulative projects, would result in a substantial cumulative change to the visual environment of eastern Otay Mesa.

These uses are located within industrial or commercial zones, however, in an area planned to have minimal impacts on sensitive viewing groups (residential neighborhoods, parks, schools, etc.). The change is not adverse effect, and is therefore not significant under CEQA and County guidelines. The anticipated development of buildings that are relatively low in height surrounded by landscaping and roadways edged with street trees and shrubs would provide a different, but equally viable, continuity. Conservation/Limited Use Areas so designated by the area’s specific plans, such as Johnson and O’Neal Canyons, would be preserved, as would the RCA-identified Otay Mountain. Even with the Proposed Project and abutting power plants alterations, the San Ysidro Mountains and foothills would remain dominant visual features that would not entirely be blocked by the proposed developments and would continue to contribute to visual diversity when the mesa is viewed overall.

If all anticipated development in the area is constructed, the visual character and quality of eastern Otay Mesa would undergo a high level of change and the resulting visual environment would be more urban, as well as more industrial. Consistent with the EOMSP, immediately adjacent additional industrial uses (by others), are planned for lots south of the power plant and east of Alta Road, and would screen Project activities. Development of the Proposed Project would visually contribute to the change. The new development would bring more viewers to the area, exposing them to the high level of change to the visual environment of eastern Otay Mesa. In large part, however, these viewers would be new to the area – coming in response to the new built businesses, and also would be coming for employment. Such viewers are not considered as sensitive as recreational or residential viewers who are already in place prior to development (see Sections 3.10 and 4.10 of this EIR for additional discussion).

The Proposed Project would contribute to existing diversity, and slightly interrupt the continuity of overall views from limited viewpoints. Mining is a heavy industrial use and that would be consistent with surrounding heavy industrial uses, providing visual continuity between the Project site and the surrounding area during operations and post-reclamation. Additionally, continuing development on the mesa would tend to obscure portions of the Project identified as visible in Section 4.10. This would be due to: (1) by structural or landscaping shielding along roadways further to the west that would block views from to the east altogether; and (2) where viewers are closer to the eastern mesa edge, direct shielding of mined areas by other industrial uses located immediately west of the modified slopes and east of the closest street. Accordingly, the Project would result in a less than considerable contribution to a less than significant cumulative visual impact.

5.3.9.2 *Extraction to Natural Grade Alternative*

The Project site is on the edge of the cumulative study area. The Extraction to Natural Grade Alternative would, to a lesser extent than the Proposed Project, extend the flat topography of the surrounding area eastward; however, as with the Proposed Project, neither this alternative nor any of the cumulative projects in the immediate vicinity would substantially alter landforms or visual quality in a way that would be inconsistent with the pattern of development that has been established in the Otay Mesa area. Therefore, cumulative aesthetics impacts would be less than significant, and the Extraction to Natural Grade Alternative would not create cumulatively significant visual effects.

5.3.9.3 *Extraction to Varying Depth Alternative*

The Project site is on the edge of the cumulative study area. The Extraction to Varying Depth Alternative would, to a lesser extent than the Proposed Project, extend the flat topography of the surrounding area eastward; however, as with the Proposed Project, neither this alternative nor any of the cumulative projects in the immediate vicinity would substantially alter landforms or visual quality in a way that would be inconsistent with the pattern of development that has been established in the Otay Mesa area. Therefore, cumulative aesthetics impacts would be less than significant, and the Extraction to Varying Depth Alternative would not create cumulatively significant visual effects.

5.3.9.4 No Project/Existing Plan Alternative

Cumulative landform alteration and visual quality impacts of implementing the EOMSP were discussed in Section 7.2 of the EOMSP Final EIR. Based on that prior analysis, it was determined that some of the projects within the cumulative study area would require significant amounts of landform alteration while other projects on Otay Mesa would require very little landform alteration. It was also further noted that none of the projects in the cumulative study area would alter the basic landforms of the three major features in the area: Otay River Valley, Otay Mesa and San Ysidro Mountains. Therefore, it was concluded that cumulative visual impacts would be less than significant.

5.3.9.5 No Project Alternative

As mentioned above for other alternatives, none of the projects within the cumulative study area would substantially alter landforms or visual quality in a way that would be inconsistent with the pattern of development that has been established in the Otay Mesa area. Additionally, with no development occurring on the Project site, the No Project/No Action Alternative would not contribute to cumulative visual impacts in the area. Therefore, cumulative aesthetics impacts would be less than significant, and the No Project/No Action Alternative would not create cumulatively significant visual effects.

5.3.10 Public Services and Utilities

5.3.10.1 Proposed Project

Significant cumulative impacts relating to public services and utilities occur as a result of several independent actions which, when examined individually, may not be considered to be significant. While the projects listed in Tables 5-1 and 5-2 generally are compatible with long-range planning goals for development, completion of these various projects are anticipated to increase the demand for public services and utilities, which could have potentially significant, long-term impacts.

Public Services

It is anticipated that expanded fire and police protection services would be funded from increased property taxes and other revenues to the County resulting from development of the Proposed Project as well as other cumulative projects in the East Otay Mesa area that would contribute to increased demands on public services, including fire and police protection. For example, the Otay 250 Sunroad project (Map Key 4 in Tables 5-1 and 5-2 below) is required to pay a fair share contribution towards the cost of the future Sheriff's Substation in East Otay Mesa (County 2017). Therefore, no cumulative impact is assessed for fire and police protection services.

Because the Proposed Project would not include the development of any residences, and therefore, would not increase the population in the area, the Proposed Project would not contribute to cumulative impacts associated with schools or other public facilities (e.g., libraries, parks, health centers).

Gas and Electric Facilities

Proposed Project construction and operations would use only minimal amounts of electricity and gas and would not require new gas or electric facilities or expansion of existing facilities. Accordingly, the Proposed Project's cumulative contribution to impacts associated with gas and electric facilities would be less than significant.

Storm Water Drainage Facilities

Drainage structures proposed for the Project would include a series of swales, brow ditches, and/or berms to collect and convey runoff into appropriate areas, including detention basins and existing drainage outlet points. Accordingly, the Proposed Project's cumulative contribution to impacts related to the capacity of existing or planned storm drain systems would be less than significant. Refer to Subchapter 4.2 for a more detailed discussion.

Water Supply

According to the Urban Water Management Plan Update for the OWD (2016), water demand associated with projected growth in the Project vicinity is expected to be within the demand anticipated for this region by the year 2030 of approximately 50,891 acre-feet per year for a normal year. Total cumulative impacts to water utilities would be significant since expanded regional and local water supply facilities would be necessary, paid for at least in part by the projects they are designed to serve. The Proposed Project's contribution to the cumulative impact would not, however, be cumulatively considerable because (1) the Proposed Project's estimated water consumption would be 75 acre-feet per year, which allows for 50,816 acre-feet per year for anticipated cumulative demand; and (2) the Proposed Project would be expected to pay its share of the cost of construction of expanded facilities through water service fees, fair share contributions, and developer impact fees. For these reasons, the cumulative impacts on water services of the Proposed Project and related cumulative development would be considered less than significant.

Solid Waste

Potential cumulative impacts to solid waste management would be paid for, at least in part, by the projects they are designed to serve. The Proposed Project's contribution to the cumulative impact would not be cumulatively considerable because (1) the Proposed Project would be expected to pay for its fair share contribution to solid waste impacts through developer impact fees; (2) it would generate only a minimal amount of waste; and (3) the IDEFO proposed as part of Phase 4 would result in a beneficial impact as it would provide an additional receiver site for inert material that would otherwise be hauled to local landfills. For these reasons, the cumulative impacts on solid waste services of the Proposed Project and related cumulative development would be considered less than significant.

5.3.10.2 *Extraction to Natural Grade Alternative*

Similar to the Proposed Project, it is assumed that impacts to public services or utilities anticipated for the Extraction to Natural Grade Alternative would not be cumulatively considerable. Any anticipated cumulative impacts associated with the Extraction to Natural Grade Alternative would

be the same or somewhat less than those for the Proposed Project, and since less than significant impacts would be anticipated for the Proposed Project, it can also be concluded that less than significant cumulative impacts relating to public services and utilities would be anticipated for the Extraction to Natural Grade Alternative.

5.3.10.3 *Extraction to Varying Depth Alternative*

Similar to the Proposed Project, it is assumed that impacts to public services or utilities anticipated for the Extraction to Varying Depth Alternative would not be cumulatively considerable. Any anticipated cumulative impacts associated with the Extraction to Varying Depth Alternative would be the same as those for the Proposed Project, and since no significant impacts would be anticipated for the Proposed Project, it can also be concluded that less than significant cumulative impacts relating to public services and utilities would be anticipated for the Extraction to Varying Depth Alternative.

5.3.10.4 *No Project/Existing Plan Alternative*

Cumulative public services and utilities impacts from implementing the EOMSP were discussed in Section 7.11 of the EOMSP Final EIR. That prior analysis determined that the cumulative development proposed for the East Otay Mesa area is generally planned to occur in conjunction with the expansion or extension of the necessary services and infrastructure, so that in most cases, significant cumulative impacts would not occur. It was noted that exceptions to this statement would be related to the provision of school facilities, regional water demand and solid waste disposal. It was concluded that impacts to schools and regional water demands would be cumulatively significant as development continues both on the Project site and in the subregion.

The EOMSP Final EIR noted that cumulative impacts to regional demand for potable and recycled water are potentially significant because of the region's reliance on imported water and future uncertainties regarding the reliability of imported water supplies and infrastructure. This potentially significant cumulative impact was considered mitigable to below a level of significance by the implementation of mitigation measures at an individual project level involving BMP water conservation measures, and preparation of a Water Conservation Plan for the EOMSP area as a condition of tentative map approvals. The No Project/Existing Plan Alternative would comply with the Water Conservation Plan that was developed for the EOMSP area and would implement the BMP water conservation measures. Similarly, all other cumulative development in the Project vicinity would also be required to comply with the Water Conservation Plan and implement the BMP measures. As a result, cumulative impacts to water demand would be considered less than significant.

In conclusion, cumulative impacts to public services and utilities are anticipated to be less than significant; however, any discretionary projects within the area would be required to go through detailed review of environmental impacts before any development is approved. Therefore, mitigation measures would be required for any significant impact associated with public services and/or utilities.

5.3.10.5 No Project Alternative

There would be no development associated with this alternative, and, therefore, no cumulative impacts upon public services or utilities would be expected.

5.3.11 Climate Change

5.3.11.1 Proposed Project

As described in Subchapter 4.12, *Climate Change*, global climate change is inherently a cumulative issue. In that chapter's analysis the Proposed Project was determined to result in GHG emissions in the amount of no more than 9,837 MT CO₂e per year from 2020 to 2110, which is less than the significance threshold of 10,000 MT CO₂e per year. After 2110 emissions would amount to 2,337 MT CO₂e per year, which is also less than the significance threshold of 10,000 MT CO₂e per year. No impacts were identified in Chapter 4.12; therefore, the Proposed Project would not result in a significant contribution to a cumulative climate change impact.

5.3.11.2 Extraction to Natural Grade Alternative

The Extraction to Natural Grade Alternative would involve the same mining operations and the same footprint as the Proposed Project but would only extract to natural grade elevation and would not have a Phase 4 or backfill operation. In addition the timeframe of operation would be much shorter (20 years versus 120 years for the Proposed Project). Due to these factors, impacts related to GHG emissions would be less than the Proposed Project. Because the Proposed Project would result in less than significant impacts, this alternative would not result in a significant contribution to a cumulative climate change impact.

5.3.11.3 Extraction to Varying Depth Alternative

The Extraction to Varying Depth Alternative would involve the same operations and the same footprint as the Proposed Project and would consist of four phases which would be consistent with the four phases of the Proposed Project. Because the Proposed Project would result in less than significant impacts, this alternative would not result in a significant contribution to a cumulative climate change impact.

5.3.11.4 No Project/Existing Plan Alternative

As described above for the Proposed Project (and in Subchapter 4.12), global climate change is inherently a cumulative issue. As a result, additional discussion is not required.

5.3.11.5 No Project Alternative

Because it would not result in additional GHG emissions from construction or operations, the No Project/No Action Alternative would not contribute to cumulative impacts in the Project area.

5.3.12 Paleontological Resources

5.3.12.1 *Proposed Project*

The importance of individual paleontological resources comes from the research value and the information they can provide to the scientific community. The information gained from salvage operations at other locations having paleontological resource impacts within the County would be presented in reports and filed with the County, as well as a scientific institution with permanent paleontological collections such as the San Diego Natural History Museum. The fossil collections from any other potentially significant sites also would be curated at such a scientific institution and would be available to paleontologists for further study. All paleontological resource impacts associated with the Proposed Project and applicable cumulative projects would be less than significant or fully mitigable. Cumulative projects in the vicinity of the Proposed Project site include all the projects listed in Table 5-1. All of the listed projects would be subject to similar analysis and (if applicable) mitigation requirements for paleontological resources as described for the Proposed Project in Subchapter 4.13, Paleontological Resources (and pursuant to appropriate CEQA standards). If any additional development projects in the area (i.e., beyond those listed in Table 5-1) result in potential impacts to such resources, they also would be subject to similar requirements for assessing and mitigating impacts to paleontological resources.

Based on the required compliance of both the Proposed Project and applicable cumulative projects with the described analysis and mitigation requirements for paleontological resources, **the** cumulative impacts associated with paleontological resources contributed by the Proposed Project would be less than significant.

5.3.12.2 *Extraction to Natural Grade Alternative*

All paleontological resource impacts associated with the Extraction to Natural Grade Alternative and applicable cumulative projects would be less than significant or fully mitigable. Cumulative projects in the vicinity of the alternative site include all the projects listed in Table 5-1. All of these projects would be subject to similar analysis and (if applicable) mitigation requirements for paleontological resources as described in Subchapter 4.13 (and pursuant to appropriate CEQA/NEPA standards). If any additional development projects in the area (i.e., beyond those listed in Table 5-1) result in potential impacts to such resources, they would also be subject to similar requirements for assessing and mitigating impacts to paleontological resources.

The importance of individual paleontological resources comes from the research value and the information they can provide to the scientific community, as described above for the Proposed Project. Based on the required compliance of both the Extraction to Natural Grade Alternative and applicable cumulative projects with analysis and mitigation requirements for paleontological resources, this alternative would not significantly contribute to associated cumulative impacts to paleontological resources.

5.3.12.3 *Extraction to Varying Depth Alternative*

All paleontological resource impacts associated with the Extraction to Varying Depth Alternative and applicable cumulative projects would be less than significant or fully mitigable. Cumulative projects in the vicinity of the alternative site include all the projects listed in Table 5-1. All of these

projects would be subject to similar analysis and (if applicable) mitigation requirements for paleontological resources as described in Subchapter 4.13 (and pursuant to appropriate CEQA/NEPA standards). If any additional development projects in the area (i.e., beyond those listed in Table 5-1) result in potential impacts to such resources, they would also be subject to similar requirements for assessing and mitigating impacts to paleontological resources.

The importance of individual paleontological resources comes from the research value and the information they can provide to the scientific community, as described above for the Proposed Project. Based on the required compliance of both the Extraction to Varying Depth Alternative and applicable cumulative projects with analysis and mitigation requirements for paleontological resources, this alternative would not significantly contribute to associated cumulative impacts to paleontological resources.

5.3.12.4 No Project/Existing Plan Alternative

All paleontological resource impacts associated with the No Project/Existing Plan Alternative and applicable cumulative projects would be less than significant or fully mitigable. Potential cumulative impacts to paleontological resources from this alternative would also be less than significant, for similar reasons as described above for the Proposed Project.

5.3.12.5 No Project Alternative

Since there would be no Project-related impacts to paleontological resources under this alternative, there also would be no Project contribution to cumulative impacts.

Table 5-1 CUMULATIVE PROJECTS							
Map Key	Identifying Project Number	Project Name	Location	Acres	Proposed Improvements	CEQA/NEPA Document	Potential Impacts
County of San Diego PDS							
1	TM 5549	International Industrial Park	Alta Road at Lone Star Road	170.59	Subdivide vacant land into 24 parcels for technology/business. 118.43 acres to be developed; 35.90 acres placed in open space; 16.26 acres used for internal circulation streets. Development would include 3 acres for the future permanent fire and sheriff station.	Pending	Potential impacts to biological resources, air quality, climate change, cultural resources, geology, mineral resources, and visual resources
2	TM 5304R/S08-018	Airway Business Center/FedEx	Northeast corner of Airway Road and Paseo De Las Americas	35.69	Subdivision into 12 lots (minimum 2 acres each) for light industrial uses.	EIR Addendum	Biological survey identified impacts to 38.52 acres of non-native grassland, to be mitigated by purchase of 19.26 acres of mitigation bank habitat. Sensitive species included foraging raptors only. Produces 4,200 ADT.
3	TM 5405 SPA 04-006 MUP 00-024	Otay Crossings Commerce Park	Southeast of the intersection of Otay Mesa Road and Alta Road	311.5	Subdivision consists of 42 mixed industrial lots, three open space lots, and two lots for temporary uses pending acquisition and construction of SR-11 and the future port-of-entry.	Supplemental EIR	Potential impacts to aesthetics/visual quality, air quality, biological resources, cultural resources, geology/soils, hydrology/drainage/water quality, noise, public services and utilities, and traffic.

<p>Table 5-1 CUMULATIVE PROJECTS</p>							
Map Key	Identifying Project Number	Project Name	Location	Acres	Proposed Improvements	CEQA/NEPA Document	Potential Impacts
County of San Diego PDS (cont.)							
4	SPA 15 001 GPA 15 008 TM 5607 REZ 15 007 ER 15 98 190 13G	Otay-250 Sunroad East Otay Mesa Business Park Specific Plan Amendment	Northeastern corner of Otay Mesa Road and Harvest Road/SR 125	253.13	Specific Plan Amendment to the East Otay Business Park Specific Plan to establish a new Mixed-Use Village Core area within the Specific Plan Area. Maximum of 3,158 dwelling units, 84,942 sf of employment uses, and approximately 51.3 acres of permanent biological open space.	Supplemental EIR	Potentially significant impacts include air quality, biological resources, cultural and paleontological resources, hazards and hazardous materials, noise, and transportation and traffic.
5	TPM 20701RPL1 ZAP 99-029 STP 05-018 SPA 05-005	Burke Minor Subdivision/ Otay Logistics Center	Eastern side of Enrico Fermi Drive between Siempre Viva Road and Airway Road	39.31/ 14.91	Subdivision into 4 parcels of 8.80, 9.37, 9.48 and 11.66 acres. Grading and improvement of a commercial road traversing the site. Truck parking and storage on site. Construction of approximately 270,000 sf of buildings and warehouse in the northern part of the site, along with 404 parking spaces and 73 loading spaces.	MND	Potential impacts related to biological resources, with proposed mitigation of the purchase of 20 off-site acres of non-native grassland. Potential impacts related to traffic include 635 ADT in Phase I and 715 ADT in Phase II, with proposed mitigation of fair share traffic contributions. Additional potential impacts related to land use and cultural resources. Mitigation measures would reduce impacts to a level of below significance.

<p>Table 5-1 CUMULATIVE PROJECTS</p>							
Map Key	Identifying Project Number	Project Name	Location	Acres	Proposed Improvements	CEQA/NEPA Document	Potential Impacts
County of San Diego PDS (cont.)							
6	MUP 98-001; SP93-004; GPA 94-02; P98-001W1	National Enterprises Storage and Recycling Facility	East and west sides of Alta Road, north of Calzada de la Fuente	161.2	Develop areas for interim use including automobile storage, scrap and recycling operations, and wood and green material recycling, and would include temporary office trailers of 720 sf each and 200 employee parking spaces. Project would provide space for approximately 11,000 vehicles.	EIR Addendum	Impacts to 0.76 acre of coastal sage scrub and 103.61 acres of non-native grassland. Mitigation included 67.94 acres of coastal sage scrub and 24.29 acres of non-native grassland for a total of 117.66 impacted areas and 91.28 acres of mitigation (mitigation was of higher habitat value than impacts, resulting in less mitigation area). Buildout conditions would result in 2,403 ADT.
7	TM 5505	Otay Business Park (Paragon)	Southeast of future intersection of Alta Road and Airway Road	161.6	Subdivision into 61 industrial lots, from west to east. No specific uses identified. Water, sewer and storm drain lines would be extended into the project site. Off-site improvements include extensions of Alta Road, Airway Road and Siempre Viva Road. The future alignment of SR-11 may traverse a portion of the site.	Supplemental EIR	Buildout conditions would result in 33,486 ADT and project would impact 176.1 acres of grassland, as well as burrowing owl, fairy shrimp, and Quino checkerspot butterfly. Project also would impact air quality, cultural and paleontological resources, hydrology and air quality, and noise.

Table 5-1 CUMULATIVE PROJECTS							
Map Key	Identifying Project Number	Project Name	Location	Acres	Proposed Improvements	CEQA/NEPA Document	Potential Impacts
County of San Diego PDS (cont.)							
8a	P06-074 (MUP 06-074) SPA 05-005	Corrections Corporation of America	Northwest corner of Lone Star Road and Alta Road	40	Construction of a 32-acre detention facility in two phases. Includes associated administrative, housing, parking, program space and ancillary support services with a total of 2,880 beds at buildout and an extension of Lone Star Road along project frontage.	Supplemental EIR	Potential impacts to biology (36.7 acres of non-native grassland and 3.7 acres of disturbed habitat), visual resources, hazards and hazardous materials, hydrology and water quality, public utilities and services, and transportation. Determined no additional impact to agricultural resources, air quality, cultural resources, geology and soils, land use and planning, mineral resources, noise, population and housing, and recreation.

Table 5-1 CUMULATIVE PROJECTS							
Map Key	Identifying Project Number	Project Name	Location	Acres	Proposed Improvements	CEQA/NEPA Document	Potential Impacts
County of San Diego PDS (cont.)							
8b	MUP06-074W1	Corrections Corporation of America	665 Alta Road	79	Original permit (MUP 06-074) was approved by the Planning Commission on April 10, 2009. The main purpose of the Major Use Permit Modification is to move the location of the facility approximately 400 feet away from the previously approved site. Other changes include the relocation of the parking lot, an increase in capacity by 20 beds, minor changes to the layout of the buildings, and additional design features to accommodate the new location. Modification Approved by County Planning Commission on July 20, 2012.	CEQA 15162	No new impacts from the previously certified EIR dated July 27, 1994 and subsequent Addendum dated September 20, 2010 were identified.
9	TM 5527	Piper Otay Park	West of SR-125, north of Otay Mesa Road/SR-905 and east of Piper Rancho Road	24.84	Subdivision into 13 industrial lots ranging in size from 1.03 to 2.61 acres.	EIR Addendum	Environmental Review Update Checklist Form identified potential new impacts to biological resources, hazards, hydrology, and traffic.

Table 5-1 CUMULATIVE PROJECTS							
Map Key	Identifying Project Number	Project Name	Location	Acres	Proposed Improvements	CEQA/NEPA Document	Potential Impacts
County of San Diego PDS (cont.)							
10	MUP 04-004 RP 04-001	Otay Hills Construction Aggregate and IDEFO (Proposed Project)	Approximately 0.5 mile east of the intersection of Otay Mesa Road and Alta Road	410	Construction aggregate extraction operation, including materials processing (primary and secondary plants), concrete batch plant, cement-treated base plant, asphalt batch plant, and recycling of asphalt and concrete products.	EIR	Impacts would be as analyzed in this EIR.
11	STP 14-004	Via De La Amistad Truck Parking(Rapid Transfer Express)	South side of Via de la Amistad, between the CHP Commercial Vehicle Enforcement Facility and the U.S.-Mexico border.	14	Proposed lot for storage of tractor-trailers and containers. No proposed structures or project phasing.	IS/MND	Project impacts include the following: 15.9 acres of non-native grassland habitat including potentially significant impacts to eagle and raptor foraging habitat and short term-noise impacts to ground-nesting raptors during the breeding season; potential impacts to one MSCP narrow endemic animal species – burrowing owl; storm water pollutants including sediments, heavy metals, organic compounds, trash & debris, and oil & grease; The project will pay TIF fees for cumulative traffic impacts.

**Table 5-1
CUMULATIVE PROJECTS**

Map Key	Identifying Project Number	Project Name	Location	Acres	Proposed Improvements	CEQA/NEPA Document	Potential Impacts
County of San Diego PDS (cont.)							
12	TPM 21046 MUP06-102 93-19- 006AA	California Crossings	On the 9200 block of Otay Mesa Road, east of SR-125 and west of Heritage Road	26.94	325,502-sf retail commercial center.	Supplemental EIR	Potentially significant impacts to air quality; traffic/circulation; biological resources (direct loss of 23.4 acres of sensitive non-native grassland habitat, loss to raptor foraging and nesting habitat, impacts to migratory birds); and cultural and paleontological resources. Impacts determined not to be significant are associated with geology/soils, hazards/hazardous materials, hydrology/water quality, noise, aesthetics, agriculture, land use and planning, mineral resources, population and housing, public services and utilities, and recreation. Mitigation includes acquisition of a 15.4-acre conservation easement and distance restriction of construction during raptor nesting season.
13	TM 5568	Rabago Business Technology Park	North of Otay Mesa Road and south of Lone Star Road between Vann Center and Enrico Fermi Drive	71.1	Technology business park with 19 lots. All adjacent roads to be improved to half width.	EIR Addendum	Environmental Review Update Checklist Form identified potential new impacts to air quality, biological resources, cultural resources, geology and soils, GHG, hazards and hazardous materials, noise, public services, transportation and traffic, and utilities and service systems.

Table 5-1 CUMULATIVE PROJECTS							
Map Key	Identifying Project Number	Project Name	Location	Acres	Proposed Improvements	CEQA/NEPA Document	Potential Impacts
County of San Diego PDS (cont.)							
14	TM 5566 MPA 3992-10-006	Hawano Industrial Development	East of Airway Place, west of Alta Road, south of Airway Road, and north of Via de La Amistad	79.6	Subdivision of 23 industrial lots on 65.62 acres and one detention basin lot on 2.47 acres. The TM would allow for the construction of up to 852,426 sf of industrial land uses.	EIR	The site is currently vacant and vegetated in non-native grassland. Potential impacts to biological resources and traffic/circulation.
15	GPA 04-003; SP 04-002; REZ 04-009; TM 5316A and B	Otay Ranch Village 13	North of Otay Lakes Road and Lower Otay Reservoir, east of Wueste Road	1,869	Development of 1,938 residences, including 1,881 single-family lots, a mixed-use area with 57 multi-family residences, a 17.4-acre resort hotel with 200 guest rooms, 1,089 acres of preserved open space, and approximately 144 acres of other open space.	Draft Supplemental EIR	Potential impacts to aesthetics and visual resources, transportation and traffic, air quality, biological resources, cultural resources, geology and soils, hazards and hazardous materials, and noise.
Otay Water District Capital Improvement Projects							
16	P2083, SCH No. 2016091019	PS 870-2 Potable Water Pump Station Replacement	Alta Road, northeast of the Donovan Correctional Facility	N/A	New pump station to replace existing 571-1 and 870-1 pump stations	MND	Potential impacts related to biological resources, cultural resources, and geology and soils. Mitigation measures were proposed that would reduce impacts to below a level of significance.

Table 5-1 CUMULATIVE PROJECTS							
Map Key	Identifying Project Number	Project Name	Location	Acres	Proposed Improvements	CEQA/NEPA Document	Potential Impacts
Otay Water District Capital Improvement Projects (cont.)							
17	P2451	Otay Mesa Conveyance and Disinfection System	Proposed linear alignment from the Mexico border along Paseo de La Fuente and Alta Road, terminating at the 571-1 reservoir northwest of the G.F. Baily Detention Facility	N/A	Approximately 22,000-foot pipeline to bring desalinated water from the planned reverse osmosis plant in Rosarito, Mexico to potential delivery points within the Otay Water District service area.	Joint NEPA/CEQA document to be completed at a later date	Potential impacts have not been identified at this time.
18	P2482	Otay Mesa Lot 7 Groundwater Well	Southwest of the terminus of SR 125 and the SR 11/SR 905 interchange	N/A	Installation of two wells and associated water treatment systems within an industrial area in south Otay Mesa	PEIR	Potential impacts related to biological resources, cultural and archaeological resources, energy, and paleontological resources.
19	R2034	Res 860-1 Reservoir	North of Kuebler Ranch Road and east of the East Mesa Reentry Facility	N/A	Construction of a 4.0 million-gallon (MG) reservoir for recycled water storage.	PEIR	Potential impacts related to air quality, biological resources, archaeological resources, paleontological resources, landform alteration and visual aesthetics, land use and planning, noise, and hazardous materials.

Table 5-1 CUMULATIVE PROJECTS							
Map Key	Identifying Project Number	Project Name	Location	Acres	Proposed Improvements	CEQA/NEPA Document	Potential Impacts
Otay Water District Capital Improvement Projects (cont.)							
20	P2228	Res 870-2 Reservoir	North of Kuebler Ranch Road and east of the East Mesa Reentry Facility	N/A	Construction of a 10.0 MG reservoir for potable water storage.	PEIR	Potential impacts related to air quality, biological resources, archaeological resources, paleontological resources, landform alteration and visual aesthetics, land use and planning, noise, and hazardous materials.
21	R2058	Reclaimed Water Pipeline Placement (RecPL)– Airway Road	Airway Road from Otay Mesa to Alta Road	N/A	Construction of a 10,700-foot, 16-inch recycled water pipeline in Airway Road	Part of Project P2048 (Otay Mesa Recycled Water System Link), to be evaluated in future CEQA compliance document.	Potential impacts have not been identified at this time.
22	NR2077	RecPL – Alta Road	Alta Road from Alta Gate to Airway Road	N/A	Construction of a 7,900-foot, 24-inch recycled water pipeline in Alta Road.	Part of Project P2048 (Otay Mesa Recycled Water System Link), to be evaluated in future CEQA compliance document.	Potential impacts have not been identified at this time.

Table 5-1 CUMULATIVE PROJECTS							
Map Key	Identifying Project Number	Project Name	Location	Acres	Proposed Improvements	CEQA/NEPA Document	Potential Impacts
Otay Water District Capital Improvement Projects (cont.)							
23	R2087	RecPL – Wueste Road	Wueste Road from Olympic to Otay Water Treatment Plant	N/A	Construction of a 13,500-foot, 24-inch recycled water pipeline in Wueste Road	Part of Project P2048 (Otay Mesa Recycled Water System Link), to be evaluated in future CEQA compliance document.	Potential impacts have not been identified at this time.
24	P2390	Siempre Viva Bridge Pipeline Crossings	Siempre Viva Road, west of SR 905	N/A	Installation of pipelines and appurtenances within a future bridge crossing	PEIR	Potential impacts related to paleontological resources, landform alteration, and visual aesthetics.
25	P2589	Potable Water Pipeline – Donovan Prison	From Alta Road to the Donovan Correctional Facility to the west	N/A	Construction of a 600-foot, 24-inch pipeline from the proposed P2451 pipeline to the Donovan Correctional Facility	PEIR	Potential impacts related to air quality, biological resources, paleontological resources, GHG, and hazardous materials.
Caltrans							
26	N/A	SR 905/SR 125/SR 11 Southbound Connectors Project	Near the SR 905/SR 125/SR 11 interchange, south of Otay Mesa Road	N/A	Construction of southbound connectors from the SR 905/SR 125/SR 11 interchange, currently being designed with construction expected to begin in 2018.	Pending	Potential impacts have not been identified at this time.

Table 5-1 CUMULATIVE PROJECTS							
Map Key	Identifying Project Number	Project Name	Location	Acres	Proposed Improvements	CEQA/NEPA Document	Potential Impacts
Caltrans / GSA							
27	PM 0.0/2.7 EA 056300	SR-11 Segment 2 (toll segment from Enrico Fermi Drive to Siempre Viva Road) and Segment 3 (Otay Mesa East Port of Entry [POE])	NEast of the SR-905/ SR-125 interchange, extending east and south to a new POE at the U.S.-Mexico border.	212-236	The SR 11 Project would consist of constructing approximately two miles of a new 4-lane freeway from the SR 905/SR 125 junction to the future Federal POE at East Otay Mesa in San Diego County. Segment 1 from SR 905 east to Enrico Fermi Drive was completed and opened to traffic in November 2016.	EIR	Potential impacts related to paleontological resources, hazardous materials, air quality, and biological resources. Environmental consequences remaining substantial after mitigation include impacts related to traffic, visual, and noise.
GSA / CBP Capital Improvement Projects							
28	N/A	U.S. Cargo Import Facility	Directly east of the existing Otay Mesa POE at the U.S.-Mexico border	N/A	Project consists of adding lanes to a connector roadway, modifying approaches and fences for booths and other infrastructure improvements to enhance goods movement at the U.S. Cargo Import Facility.	N/A	N/A

Table 5-1 CUMULATIVE PROJECTS							
Map Key	Identifying Project Number	Project Name	Location	Acres	Proposed Improvements	CEQA/NEPA Document	Potential Impacts
GSA / CBP Capital Improvement Projects (cont.)							
29	N/A	Reconfiguration and Expansion of the Existing San Ysidro POE (Phase 2 and Phase 3)	5.0 San Ysidro POE, 720 East San Ysidro Boulevard	N50	Three-phase project includes demolition and new construction of most of the POE. Phase 1 has been completed. Phase 2 would involve construction of a 120,000-sf Administration and Pedestrian Building (planned completion Summer 2019) and Phase 3 would include north and southbound inspection facilities (planned completion Summer 2019).	EIS	Potential impacts to traffic, historical resources, paleontological resources, hazardous waste/materials, biological resources. Additionally, short-term, construction related impacts associated with utilities, emergency services, and energy.
City of San Diego							
30	Project No. 310690/ SCH No. 2015111012	San Ysidro Community Plan Update and San Ysidro Historic Village Specific Plan	The San Ysidro planning area, south of SR 905 and north of the U.S./Mexico border	1,863	Updated community plan, creation of a Local Coastal Plan, provision of site-specific policies, amendments to the Land Development Code for adoption of a rezone, rescission of the San Ysidro Planned District ordinances, and comprehensive updates to both existing Public Facilities Financing Plans resulting in new Impact Fee Studies.	PEIR	Potential significant impacts, with proposed mitigation to reduce impacts to less than significant, include biological resources, geology and soils, archaeological and cultural resources, noise, and paleontological resources. Significant and unavoidable impacts were identified for transportation circulation, air quality, and historical resources.

Table 5-1 CUMULATIVE PROJECTS							
Map Key	Identifying Project Number	Project Name	Location	Acres	Proposed Improvements	CEQA/NEPA Document	Potential Impacts
City of San Diego (cont.)							
31	Project No. 208889	Metropolitan Airpark – Brown Field Redevelopment	Within Brown Field Municipal Airport	331	Approximately 810,000 sf of aviation uses; an 8- to 10-megawatt solar photovoltaic energy generation facility; an industrial park with a maximum of 1.4 million square feet of development; relocation of the San Diego Air and Space Museum from Balboa Park (approximately 480,000 sf); and a commercial center that would include a hotel, alternative fuel station, bus transit station, and approximately 201,700 sf of commercial uses.	EIR	Impacts to 0.275 acre of vernal pool habitat and associated San Diego fairy shrimp and San Diego button celery on site. Additionally, direct impacts related to land use, transportation/circulation, visual effects and neighborhood character, air quality, biological resources, historical resources, human health and public safety, and paleontological resources. With the exception of impacts related to land use, visual effects and neighborhood character, and air quality, mitigation measures are proposed that would reduce impacts to below significance.

Table 5-1 CUMULATIVE PROJECTS							
Map Key	Identifying Project Number	Project Name	Location	Acres	Proposed Improvements	CEQA/NEPA Document	Potential Impacts
City of San Diego (cont.)							
32	Project No. 30330/304032 SCH No. 2004651076	Otay Mesa Community Plan Update	The Otay Mesa Community planning area east of I-805 and north of the U.S./Mexico border	9,302	Update to the 1981 plan, amendment to the General Plan, rezone ordinance to replace the Otay Mesa Development District with citywide zoning, LDC amendments and approval of an updated Public Facilities Financing Plan.	PEIR	Potential impacts related to land use, air quality, biological resources, transportation/circulation, geology/soils, historical resources, hydrology/water quality, paleontological resources, human health/public safety/hazardous materials, noise, utilities, and GHG. With the exception of impacts related to air quality (criteria pollutants, stationary sources/collocation), transportation/circulation, noise (traffic/stationary sources and construction), utilities (solid waste), and GHG, mitigation measures are proposed that would reduce impacts to below a level of significance.
33	408329	Otay Mesa Central Village Specific Plan	Otay Mesa Central Village Specific Plan Area-(see Otay Mesa Community Plan)	229.2	Implementation of the City of Villages strategy through site-specific land use policies and design guidelines.	Addendum to the Otay Mesa Community Plan EIR	Potential impacts related to transportation/circulation, air quality, noise, biological resources, historical resources, geology and soils, and paleontological resources.

Table 5-1 CUMULATIVE PROJECTS							
Map Key	Identifying Project Number	Project Name	Location	Acres	Proposed Improvements	CEQA/NEPA Document	Potential Impacts
City of San Diego (cont.)							
34	371807	Southview East	East side of Caliente Avenue at the intersection with Airway Road bisected development located north and south of Airway Road	21.2	86 Multifamily condominiums on a vacant 21.2-acre site, leaving 12.9 acres as open space	Addendum to PEIR (Report No. 30330/304032/ SCH No. 2004651076	Project-level analysis revealed no new impacts from the previously certified PEIR.
35	412529	Southwind	Southwest of Caliente Avenue, where Caliente Avenue ends	4.96	75 condominiums	N/A	N/A
36	4925	Playa Del Sol	South of Ocean View Hills Parkway, North of State Route 905 and west of A Street	45.97	1,578 unit condominium project consisting of six three story buildings and ten four story buildings with two levels of underground parking, three approximately 9,608 sf recreational buildings	Addendum to EIR (SCH No. 85022015)	Potential impacts related to land use, transportation/circulation, biology, historical resources, landform alteration/visual quality, geology soils, water quality, noise, paleontology, human health and public safety, air quality, water supply, waste management, public services, and utilities

<p>Table 5-1 CUMULATIVE PROJECTS</p>							
Map Key	Identifying Project Number	Project Name	Location	Acres	Proposed Improvements	CEQA/NEPA Document	Potential Impacts
City of San Diego (cont.)							
37	438188/SCH No. 2014111068	PURE Water Program	Southwest of the I-5/805 split, with the proposed pipeline alignment north of the Otay Mesa planning area to the Otay Reservoir east of SR 125	N/A	Proposed South Bay facilities include expansion of the existing SBWRP and new facilities to produce and transport purified water, including a pipeline connecting the SBWRP to the Otay Reservoir.	PEIR	Potential impacts related to land use, air quality/odor, health and safety, biological resources, noise, historical resources, hydrology and water quality, paleontological resources, public utilities, visual effects and neighborhood character, geology/soils, and transportation, circulation, and parking.
38	2246	Airway 18 Truck Terminal/Air way Auto Park Storage	Southeast of the intersection of Airway Road and Britannia Blvd.	19.7	Truck terminal.	N/A	N/A
39	SCH No. 2015051020	Otay Truck Route Phase IV	Fronts a portion of the U.S./Mexico border, cross streets include Britannia Blvd and La Media Rd	N/A	Approximately 1.9 miles of improvements along an existing paved/gravel road and some cross-street intersections, to include a combination of asphalt roadway, concrete curb, retaining wall, and structure elements.	MND	Potential impacts to biological resources.

<p>Table 5-1 CUMULATIVE PROJECTS</p>							
Map Key	Identifying Project Number	Project Name	Location	Acres	Proposed Improvements	CEQA/NEPA Document	Potential Impacts
City of San Diego (cont.)							
40	4987	California Terraces: Planning Areas 13 & 14 Phase I	5213 Otay Mesa Road. Northeast corner of Ocean View Hills Parkway and Otay Mesa Road	45.1	644 MFR and 2.4 acres for a commercial center (24,000 s.f.)	N/A	N/A
41	N/A	Rivera Del Sol: Neighborhood Park	Between Del Sol Blvd. and Rivera Shores Street	4.9	4.9-acre neighborhood park.	N/A	N/A
42	6738	Hidden Trails: Neighborhood Park	East of Ocean View Hills Parkway	43.7	4.1-acre neighborhood park.	N/A	N/A
43	N/A	St. Jerome Catholic Church	Northwest corner of the SR-905 and Ocean View Hills Parkway intersection	17	Phase I of this project consists of the construction of a 23,000-sf, 1,500-seat church with an outdoor gathering area, two drop-off zones and 532 parking spaces. Phase II includes a 48,000-s.f. education center that includes a preschool, elementary school, parish hall/gymnasium, outdoor amphitheatre, play fields and administration building.	N/A	N/A

Table 5-1 CUMULATIVE PROJECTS							
Map Key	Identifying Project Number	Project Name	Location	Acres	Proposed Improvements	CEQA/NEPA Document	Potential Impacts
City of San Diego (cont.)							
44	50591/4032 9/SCH No. 2013101036	Candlelight Villas	Southeast of Caliente Avenue and Airway Road	44.19	Proposed subdivision into three multi-family residential lots totaling 26.33 acres, and two open space lots totaling 15.76 acres, as well as trail and trail access improvements.	EIR	N/A
44	4281	Las Californias Center	8077 Siempre Viva Road. South of Siempre Viva Road and west of Britannia Blvd.	68.5	TM to create 31 lots. Two industrial parks, one of 374,300 sf and one of 305,900 sf	N/A	N/A
46	5751	Just Rite	Northeast corner of Siempre Viva Road and Britannia Blvd.	34.44	12 lots for industrial development.	N/A	N/A
47	88422/88430	Brown Field Tech Park/Otay Mesa Business Park	South of Otay Mesa Road and west of Britannia Blvd.	73	Business park.	N/A	N/A
48	147108	Britannia 40	Northwest of the Siempre Viva Road and Cactus Road	39.3	Construction of a 10,000 sf building on a vacant site.	N/A	N/A

Table 5-1 CUMULATIVE PROJECTS							
Map Key	Identifying Project Number	Project Name	Location	Acres	Proposed Improvements	CEQA/NEPA Document	Potential Impacts
California Prison Health Care Receivership Corporation (CPR)							
49	N/A	Level II Infill Correctional Facilities Project	R.J. Donovan Correctional Facility at Rock Mountain, 480 Alta Road	70-105	Construction of a new 317,000-sf housing facility.	EIR	Potential impacts related to air quality during construction, biological resources, paleontological resources, hazardous materials, hydrology, and traffic/transportation. Significant, unavoidable impacts were identified related to traffic during project construction. Mitigation measures were identified for the remaining potential impacts which would reduce impacts to less than significant.
County of San Diego DEH							
50	N/A	East Otay Mesa Recycling Center and Landfill	Located two miles east of Siempre Viva Rd. exit from I-905	450	Recycling collection center and Class II solid waste landfill	IS Checklist, EIR pending	Potential impacts related to aesthetics, biological resources, hazards and hazardous materials, mineral resources, public services, utilities and service systems, agricultural resources, cultural resources, hydrology and water quality, noise, recreation, air quality, geology and soils, and transportation/traffic

Notes:

SFR = Single-family residences; MFR = Multi-family residences; DU = Dwelling units; TM = Tentative Map; TPM = Tentative Parcel Map; VTM = Vesting Tentative Map; SDP = Site Development Permit; STP = Site Plan; MUP = Major Use Permit; RP = Reclamation Plan; ZAP = Minor Use Permit; RPL = Replacement; SPA = Specific Plan Amendment; N/A = Not Available or Not Applicable.

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Table 5-2 CUMULATIVE PROJECT IMPACTS SUMMARY																
Map Key	Identifying Project Numbers	Project Name	Land Use and Planning	Geologic Issues	Hydrology/ Water Quality	Air Quality	Transportation/ Circulation	Biological Resources	Cultural Resources	Noise	Paleontological Resources	Utilities	Public Services	Aesthetics	Hazardous Materials	Notes
County of San Diego PDS																
1	TM 5549	International Industrial Park	LS	LS	LS	SM	SM	SM	SM	PS	SM	LS	LS	LS	LS	Project in processing. May impact 129 acres NNG and 0.93 acres jurisdictional waters/wetlands that will be mitigated at 0.5:1 and 3:1, respectively. Project may generate over 10,000 ADT that would be mitigated with road improvements and payment of TIF.
2	TM 5304/ S08-018	Airway Business Center/FedEx	LS	PS	PS	LS	PS	PS	PS	LS	NA	LS	LS	LS	LS	April 2, 2004 biological survey identified impacts to 38.52 acres of NNG, to be mitigated by purchase of 19.26 acres of mitigation bank habitat. Only sensitive species are foraging raptors. 4,200 average daily trips (ADT).
3	TM 5405 SPA 04-006 MUP 00-024	Otay Crossings Commerce Park	LS	LS	LS	SU	SU	SM	SM	SM	NA	SM	SM	LS	LS	<p>The project would impact 1.9 acres of Diego coastal sage scrub (DCSS; including disturbed), 263.1 acres of non-native grassland, 0.1 acre of native grassland, 0.21 acre to Corps jurisdictional non-wetland Waters of the U.S., 0.99 acre of CDFW jurisdictional areas, 37 percent of the San Diego barrel cacti on site, 100 percent of the marsh-elder plants on site, and five of the San Diego button-celery on site.</p> <p>Mitigation would be at a 1.5:1 ratio for DCSS, 1:1 for non-native grassland, 2:1 for native grassland, 1:1 for non-wetland Waters of the U.S./CDFW streambeds, 2:1 for San Diego barrel cacti, 2:1 for San Diego marsh-elder, and 3:1 for San Diego button-celery.</p> <p>In addition, the Project would impact San Diego and Riverside fairy shrimp, burrowing owl pair territories, QCB locations, and other MSCP covered species. These impacts would be mitigated by on- and off-site preservation of the species' respective habitats.</p>
4	SPA 15 001 GPA 15 008 TM 5607 REZ 15 007 ER 15 98 190 13G	Otay-250 Sunroad - East Otay Mesa Business Park Specific Plan Amendment	LS	LS	LS	SU	SM	SM	SM	SM	SM	LS	LS	LS	SM	The project would impact 195.99 acres of NNG, to be mitigated at a ratio of 0.5:1 through preservation of 48.72 acres of NNG and the purchase of 49.28 acres in an approved off-site mitigation bank (Hollenbeck Canyon). Impacts to 0.11 acre of disturbed wetland would be mitigated on site at a 2:1 ratio.
5	TPM 20701 ZAP 99-029 STP 05-018 SPA 05-005	Burke Minor Subdivision/Otay Logistics Center	LS	LS	LS	LS	LS	SM	LS	LS	LS	LS	LS	LS	LS	Mitigation consists of off-site purchase of 20 acres of NNG to mitigate for 40 acres (entire site) of NNG at 0.5:1 ratio. Fair share traffic contributions required to mitigate traffic impacts for 635 (Phase I) and 715 (Phase II) ADT. Changes from mixed industrial (LU) to LE and Heavy Industrial. Potential impacts to cultural resources.

Table 5-2 CUMULATIVE PROJECT IMPACTS SUMMARY																
Map Key	Identifying Project Numbers	Project Name	Land Use and Planning	Geologic Issues	Hydrology/ Water Quality	Air Quality	Transportation/ Circulation	Biological Resources	Cultural Resources	Noise	Paleontological Resources	Utilities	Public Services	Aesthetics	Hazardous Materials	Notes
County of San Diego PDS (cont.)																
6	MUP 98-001; SP93-004; GPA 94-02; P98-001W1	National Enterprises Storage and Recycling Facility	LS	LS	PS	PS	PS	PS	PS	LS	LS	LS	LS	LS	LS	MSCP Findings of Conformance determined impacts to 0.76 acre of DCSS and 103.61 acres of NNG. Mitigation included 67.94 acres of DCSS and 24.29 acres of NNG, for a total of 117.66 impacted acres and 91.28 acres of mitigation (mitigation was of higher habitat value than impacts, resulting in less mitigation area). Buildout conditions would result in 2,408 ADT.
7	TM 5505	Otay Business Park (Paragon)	PS	LS	PS	LS	PS	PS	PS	LS	LS	LS	LS	LS	PS	No RPO wetlands identified. Final SEIR impacts to vernal pools (0.24 acres), freshwater marsh (0.01 acres), Saltgrass grassland (0.19 acres), NNG (163.4 acres), and disturbed habitat (10.19 acres); sensitive species such as burrowing owls, fairy shrimp, QCB and rare plants. Significant and unmitigable impacts related to operational emissions of VOCs, NOx, CO, PM ₁₀ , PM _{2.5} , and increased cancer risk to maximum exposed individual (MEI) resident and MEI worker. Significant and unmitigable traffic impacts at Siempre Viva Road/Michael Faraday Drive intersection, and Airway Road/Sanyo Ave. intersection. Overall, project would generate 33,000 ADT. Mitigation for impacts to burrowing owls/NNG habitat at a ratio of 1:1, with 0.5:1 on East Otay Mesa and the other 0.5:1 off East Otay Mesa in an area with the potential to support burrowing owls.
8a	P06-074 (MUP 06-074) SPA 06-005	Corrections Corporation of America	LS	LS	PS	NA	PS	PS	NA	NA	NA	PS	NA	PS	PS	Potential impacts to biological resources (36.7 acres of NNG and 3.7 acres of disturbed habitat), visual resources, hazards and hazardous materials, hydrology and water quality, public utilities and services and transportation. Determined no additional impact to agricultural resources, air quality, cultural resources, geology and soils, land use and planning, mineral resources, noise, population and housing or recreation.
8b	MUP06-074W1	Corrections Corporation of America	SM	SM	SM	SM	SM	SU	SM	SU	NA	SM	SM	SM	NA	Potential impacts to biological resources (72 acres of annual grassland habitat), visual resources, hazards and hazardous materials, hydrology and water quality, public utilities and services and transportation. Determined no additional impact to agricultural resources, air quality, cultural resources, geology and soils, land use and planning, mineral resources, noise, population and housing or recreation.
9	TM 5527	Piper Otay Park	NA	LS	LS	LS	SM	SM	SM	LS	NA	LS	SM	NA	LS	Potential impacts to biological resources, hazards, hydrology and traffic.
10	MUP 04-004 RP 04-001	Otay Hills Construction Aggregate and IDEFO (Proposed Project)	Impacts would be as analyzed in this EIR.													

Table 5-2 CUMULATIVE PROJECT IMPACTS SUMMARY																
Map Key	Identifying Project Numbers	Project Name	Land Use and Planning	Geologic Issues	Hydrology/ Water Quality	Air Quality	Transportation/ Circulation	Biological Resources	Cultural Resources	Noise	Paleontological Resources	Utilities	Public Services	Aesthetics	Hazardous Materials	Notes
County of San Diego PDS (cont.)																
11	STP 14-004	Via De La Amistad Truck Parking (Rapid Transfer Express)	NA	NA	NA	NA	SM	SM	NA	NA	NA	NA	NA	NA	NA	Project impacts include the following: 15.9 acres of non-native grassland habitat including potentially significant impacts to eagle and raptor foraging habitat and short term-noise impacts to ground-nesting raptors during the breeding season; potential impacts to one MSCP narrow endemic animal species – burrowing owl; storm water pollutants including sediments, heavy metals, organic compounds, trash & debris, and oil & grease; The project will pay TIF fees for cumulative traffic impacts.
12	TPM 21046 MUP06-102 6.0 93-19-006AA	California Crossings	NA	NA	LS	SM	SU	SM	SM	LS	SM	LS	LS	NA	LS	Potentially significant impacts to air quality; traffic/circulation; biological resources (direct loss of 22 acres of sensitive non-native grassland habitat, loss to raptor foraging and nesting habitat, impacts to migratory birds); and cultural and paleontological resources. Impacts determined not to be significant are associated with geology/soils, hazards/hazardous materials, hydrology/water quality, noise, aesthetics, agriculture, land use and planning, mineral resources, population and housing, public services and utilities, and recreation. Mitigation includes acquisition of a 15.4-acre conservation easement and distance restriction of construction during raptor nesting season.
13	TM 5568	Rabago Business Technology Park	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Environmental Review Update Checklist Form identified potential new impacts to air quality, biological resources, cultural resources, geology and soils, GHG, hazards and hazardous materials, noise, public services, transportation and traffic, and utilities and service systems.
14	TM 5566 MPA 3992-10-006	Hawano Industrial Development	LS	NA	LS	SU	SU	SM	SM	LS	NA	LS	LS	LS	LS	82.0 total acres of vegetation would be impacted by the project, including 83.1 acres of non-native grassland, 0.06 acres of road pool with fairy shrimp, and 0.08 acres of southern willow scrub. Mitigation would include off-site mitigation of 83.1 acres for non-native grassland, 0.30 acres for road pool with fairy shrimp, and 0.08 acres for southern willow scrub.
15	GPA04-003;SP04-002; REZ04-009; TM5361; ER LOG 04-19-0005	Otay Village 13	LS	NA	LS	SU	SM	SM	SM	SM	NA	NA	SU	SU	LS	The total project proposes total biological impacts affecting coastal sage scrub (293 acres), disturbed coastal sage scrub (217 acres), chamise chaparral (114 acres), scrub oak chaparral (22 acres), southern mixed chaparral (3 acres), Non-native Grassland (61 acres), Disturbed Valley Needle Grass (77 acres). Project would generate 22,000 external ADT, with 86% going west into Chula Vista on Otay Lakes Rd. and 14% going east to SR-94.
Otay Water District Capital Improvement Projects																
16	P2083, SCH No. 2016091019	PS 870-2 Potable Water Pump Station Replacement	NA	SM	NA	NA	NA	SM	SM	NA	NA	NA	NA	NA	NA	Potential impacts related to biological resources, cultural resources, and geology and soils. Mitigation measures were proposed that would reduce impacts to below a level of significance.
17	P2451	Otay Mesa Conveyance and Disinfection System	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Potential impacts have not been identified at this time.

Table 5-2 CUMULATIVE PROJECT IMPACTS SUMMARY																
Map Key	Identifying Project Numbers	Project Name	Land Use and Planning	Geologic Issues	Hydrology/ Water Quality	Air Quality	Transportation/ Circulation	Biological Resources	Cultural Resources	Noise	Paleontological Resources	Utilities	Public Services	Aesthetics	Hazardous Materials	Notes
Otay Water District Capital Improvement Projects (cont.)																
18	NP2482	Otay Mesa Lot 7 Groundwater Well	NA	NA	NA	NA	NA	NPS	NPS	NA	PS	NA	NA	NA	NA	Potential impacts related to biological resources, cultural and archaeological resources, energy, and paleontological resources.
19	NR2034	Res 860-1 4 MG Reservoir	NPS	NA	NA	NPS	NA	NPS	NPS	NPS	PS	NA	NA	NPS	NPS	Potential impacts related to air quality, biological resources, archaeological resources, paleontological resources, landform alteration and visual aesthetics, land use and planning, noise, and hazardous materials.
20	R2228	Res 870-2 10 MG Reservoir	PS	NA	NA	PS	NA	PS	PS	PS	PS	NA	NA	PS	PS	Potential impacts related to air quality, biological resources, archaeological resources, paleontological resources, landform alteration and visual aesthetics, land use and planning, noise, and hazardous materials.
21	R2058	Reclaimed Water Pipeline Placement (RecPL)– Airway Road	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Potential impacts have not been identified at this time.
22	NR2077	RecPL - Alta Road	LNA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Potential impacts have not been identified at this time
23	R2087	RecPL – Wueste Road	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Potential impacts have not been identified at this time.
24	P2390	Siempre Viva Bridge Pipeline Crossings	NA	NA	NA	NA	NA	NA	NA	NA	PS	NA	NA	PS	NA	Potential impacts related to paleontological resources, landform alteration, and visual aesthetics.
25	P2589	Potable Water Pipeline – Donovan Prison	NA	NA	NA	NA	NA	NA	NA	NA	PS	NA	NA	PS	NA	Potential impacts related to paleontological resources, landform alteration, and visual aesthetics.
Caltrans																
26	N/A	SR-905/SR 125/SR 11 Southbound Connectors Project	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Potential impacts have not been identified at this time.
Caltrans/GSA																
27	PM 0.0/2.7 EA 056300	SR-11 Segment 2 (toll segment from Enrico Fermi Drive to Siempre Viva Road) and Segment 3 (Otay Mesa East Port of Entry [POE])	NA	LS	LS	LS	SU	SM	SM	LS	PS	LS	LS	PS	LS	Potential impacts related to paleontological resources, hazardous materials, air quality, and biological resources. Environmental consequences remaining substantial after mitigation include impacts related to traffic, visual, and noise.
GSA/CBP Capital Improvement Projects																
28	N/A	U.S. Cargo Import Facility	NA	NA	NA	NA	NA	PS	NA	NA	NA	NA	NA	NA	NA	Known biological constraints to expansion/redevelopment of the site are limited to the drainage/wetlands area between the international border and the commercial truck inspection inbound queuing road.
29	N/A	Reconfiguration and Expansion of the Existing San Ysidro POE	NA	NA	NA	NA	PS	PS	PS	NA	PS	PS	PS	NA	PS	Potential impacts to utilities and emergency services, traffic and transportation, cultural and historical resources, paleontological resources, hazardous materials, energy and biological resources (0.07acre non-wetland waters of the U.S.).

<p>Table 5-2 CUMULATIVE PROJECT IMPACTS SUMMARY</p>																
<i>Map Key</i>	Identifying Project Numbers	Project Name	Land Use and Planning	Geologic Issues	Hydrology/ Water Quality	Air Quality	Transportation/ Circulation	Biological Resources	Cultural Resources	Noise	Paleontological Resources	Utilities	Public Services	Aesthetics	Hazardous Materials	Notes
City of San Diego																
30	Project No. 310690/ SCH No. 2015111012	San Ysidro Community Plan Update and San Ysidro Historic Village Specific Plan	LS	SM	LS	SU	SU	SM	SM	SM	SM	LS	LS	LS	LS	Potential significant impacts, with proposed mitigation to reduce impacts to less than significant, include biological resources, geology and soils, archaeological and cultural resources, noise, and paleontological resources. Significant and unavoidable impacts were identified for transportation circulation, air quality, and historical resources.
31	Project No. 208889	Metropolitan Airpark – Brown Field Redevelopment	SU	NA	NA	SU	SM	SM	SM	NA	SM	NA	NA	SU	NA	Impacts to 0.275 acre of vernal pool habitat and associated San Diego fairy shrimp and San Diego button celery on site. Additionally, direct impacts related to land use, transportation/circulation, visual effects and neighborhood character, air quality, biological resources, historical resources, human health and public safety, and paleontological resources. With the exception of impacts related to land use, visual effects and neighborhood character, and air quality, mitigation measures are proposed that would reduce impacts to below significance.
32	Project No. 30330/30403 2 SCH No. 2004651076	Otay Mesa Community Plan Update	SM	SM	SM	SU	SU	SM	SM	SU	SM	SU	SM	LS	SM	Potential impacts related to land use, air quality, biological resources, transportation/circulation, geology/soils, historical resources, hydrology/water quality, paleontological resources, human health/public safety/hazardous materials, noise, utilities, and GHG. With the exception of impacts related to air quality (criteria pollutants, stationary sources/collocation), transportation/circulation, noise (traffic/stationary sources and construction), utilities (solid waste), and GHG, mitigation measures are proposed that would reduce impacts to below a level of significance.
33	408329	Otay Mesa Central Village Specific Plan	NA	PS	NA	PS	PS	PS	PS	PS	PS	NA	NA	NA	NA	Potential impacts related to transportation/circulation, air quality, noise, biological resources, historical resources, geology and soils, and paleontological resources.
34	371807	Southview East	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	Project-level analysis revealed no new impacts from the previously certified PEIR.
35	412529	Southwind	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	No specific environmental analysis available to review.
36	4925	Playa Del Sol	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	NA	Potential impacts related to land use, transportation/circulation, biology, historical resources, landform alteration/visual quality, geology soils, water quality, noise, paleontology, human health and public safety, air quality, water supply, waste management, public services, and utilities
37	438188/SCH No. 2014111068	PURE Water Program	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	NA	PS	NA	Potential impacts related to land use, air quality/odor, health and safety, biological resources, noise, historical resources, hydrology and water quality, paleontological resources, public utilities, visual effects and neighborhood character, geology/soils, and transportation, circulation, and parking.
38	2246	Airway 18 Truck Terminal/Airway Auto Park Storage	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	No specific environmental analysis available to review.
39	SCH No. 2015051020	Otay Truck Route Phase IV	NA	NA	NA	NA	NA	PS	NA	NA	NA	NA	NA	NA	NA	Potential impacts to biological resources.

Table 5-2 CUMULATIVE PROJECT IMPACTS SUMMARY																
Map Key	Identifying Project Numbers	Project Name	Land Use and Planning	Geologic Issues	Hydrology/ Water Quality	Air Quality	Transportation/ Circulation	Biological Resources	Cultural Resources	Noise	Paleontological Resources	Utilities	Public Services	Aesthetics	Hazardous Materials	Notes
City of San Diego (cont.)																
40	4987	California Terraces: Planning Areas 13 & 14 Phase I	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	No specific environmental analysis available to review.
41	N/A	Rivera Del Sol: Neighborhood Park	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	No specific environmental analysis available to review.
42	6738	Hidden Trails: Neighborhood Park	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	No specific environmental analysis available to review.
43	N/A	St. Jerome Catholic Church	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	No specific environmental analysis available to review.
44	50591/40329	Candlelight Villas	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	No specific environmental analysis available to review.
45	4281	Las Californias Center	NA	NA	NPS	NA	NPS	NPS	NA	NPS	NA	NA	NA	NA	NA	The Las Californias project identified impacts to traffic circulation and biological resources (1.4 acres of NNG). Potential impacts from the current application include noise, water supply, traffic and hydrology/drainage.
46	5751	Just Rite	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	No specific environmental analysis available to review.
47	88422/88430	Brown Field Tech Park/Otay Mesa Business Park	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	LNA	No specific environmental analysis available to review.
48	147108	Britannia 40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	No specific environmental analysis available to review.
California Prison Health Care Receivership Corporation (CPR)																
49	N/A	Level II Infill Correctional Facilities Project	LS	LS	SM	SM	SU	SM	LS	LS	SM	LS	LS	LS	SM	Potential impacts related to air quality during construction, biological resources, paleontological resources, hazardous materials, hydrology, and traffic/transportation. Significant, unavoidable impacts were identified related to traffic during project construction. Mitigation measures were identified for the remaining potential impacts which would reduce impacts to less than significant.
County of San Diego Department of Environmental Health (DEH)																
50	N/A	East Otay Mesa Recycling Collection Center and Landfill	NA	NPS	NPS	NPS	NPS	NPS	NPS	NPS	NA	NPS	NPS	NPS	NPS	Potential impacts related to aesthetics, biological resources, hazards and hazardous materials, mineral resources, public services, utilities and service systems, agricultural resources, cultural resources, hydrology and water quality, noise, recreation, air quality, geology and soils, and transportation/traffic

SFR = Single-family residences; MFR = Multi-family residences; DU = Dwelling units; TM = Tentative Map; TPM = Tentative Parcel Map; STP = Site Plan; MUP = Major Use Permit; RP = Reclamation Plan; ZAP = Minor Use Permit; RPL = Replacement; SPA = Specific Plan Amendment; NA = Not Available or Not Applicable; PS = Potentially Significant; NPS = Not Potentially Significant; LS = Less Than Significant; NI = No Impact; SM = Significant and Mitigable; SU = Significant and Unmitigable; EIR = Environmental Impact Report; MND = Mitigated Negative Declaration; IS = Initial Study; EOMSP = East Otay Mesa Specific Plan; SWMP = Storm Water Management Plan; NNG = non-native grassland; DCSS = Diegan coastal sage scrub; QCB = Quino checkerspot butterfly; BMO = Biological Mitigation Ordinance; HCP = Habitat Conservation Plan; DEH = Department of Environmental Health

Table 5-3
CUMULATIVE BIOLOGICAL RESOURCES IMPACTS

Figure Reference No.	Project Number	Project Name	Riparian/ Wetland Habitats		Native Grassland		Diegan Coastal Sage Scrub		Chamise Chaparral		Non-native Grassland		Otay Tarplant		Variegated Dudleya		San Diego Goldenstar		San Diego Barrel Cactus		San Diego Marsh-elder		Quino Checkerspot Butterfly		Coastal California Gnatcatcher		Burrowing Owl	
			Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation
1	TM 5139 MUP 98-020 STP 02-05139-1	Otay Tech Center	0.52	0.64	4.2	8.5	3.1	3.3	0	0	171	54	0	0	Yes*	20% T	0	0	Yes*	47 T	0	0	0	0	0	0	0	0
2	TM 5304	Saeed TM/Airway Business Center	0	0	0	0	0	0	0	0	38.5	19.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	TM 5394	Dillard and Judd Roll County LLC/Enrico Fermi Industrial Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	TM 5405 SPA 04-006 MUP 00-024	Otay Crossings Commerce Park	0.73	0.73	0.1	0.2	1.9	2.9	0	0	263.1	263.1	0	0	0	0	0	0	72	144	138	276	2	7	0	0	4	5
5	TPM 20414 MUP 98-024 MUP Modification 98-024-01 L14632 AD 04-025	Otay Mesa Travel Plaza	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	73.5	73.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	TPM 20701RPL1 ZAP 99-029 STP 05-018 SPA 05-005	Burke Minor Subdivision/Otay Logistics Center	0	0	0	0	0	0	0	0	40.0	20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	TPM 20894 STP 05-021	Pilot Travel Center	0	0	0	0	0	0	0	0	12.9	6.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	MUP 00-012 Minor Deviation 00-012-02	East Otay Mesa Auto Storage/Aaron Construction Auto Auction Park	0	0	0	0	0	0	0	0	33.4	16.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	STP 00-070	East Otay Temporary Fire Facility	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	MUP 03-001	Otay Mesa Auto Transfer/Rowland	0	0	0	0	0	0	0	0	8.0	4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	MUP 98-001 RPL1	National Enterprises Storage and Recycling Facility	0	0	0	0	0.8	67.9	0	0	103.6	24.3	0	0	0	0	0	0	Yes*	N/A	0	0	N/A	N/A	0	0	N/A	N/A
12	TPM 20570	Otay Mesa Generating Project (Calpine)	0	0	0	0	0	0	0	0	63.5	35.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	TM 5505	Otay Business Park	0.25	0.97	0.19	0.39	0	0	0	0	163.34	163.34	0	0	3,465	3,465	0	0	31	31	11	11	1	Yes	0	0	7	Yes
14	CG 4530	Paseo de la Fuente	0.34	0.68	0	0	0.08	0.12	0	0	12.0	6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	L 14456	Border Patrol Site Grading Plan	0	0	0	0	0.7	0.7	0	0	17.7	8.86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	L 14208	Power Plant Laydown Site	0	0	0	0	0	0	0	0	13.5	6.8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	L 14625 S07-038	Vulcan Batching Plant	0	0	0	0	2.06	3.09	0	0	10.9	5.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18a	P06-074 (MUP 06-074) SPA 05-005	Corrections Corporation of America	0	0	0	0	0	0	0	0	36.7	36.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18b	MUP06-074W1	Corrections Corporation of America	0	0	0	0	0	0	0	0	72	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
19	TM 5527	Maple Leaf Industrial/Piper Otay Park	0	0	0	0	0	0	0	0	23.4	23.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 5-3 CUMULATIVE BIOLOGICAL RESOURCES IMPACTS																												
Figure Reference No.	Project Number	Project Name	Riparian/ Wetland Habitats		Native Grassland		Diegan Coastal Sage Scrub		Chamise Chaparral		Non-native Grassland		Otay Tarplant		Variegated Dudleya		San Diego Goldenstar		San Diego Barrel Cactus		San Diego Marsh-elder		Quino Checkerspot Butterfly		Coastal California Gnatcatcher		Burrowing Owl	
			Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation
20 (Proposed Project)	MUP 04-004 RP 04-001	Otay Hills Construction Aggregate Extraction Operation (<i>see bottom of table</i>)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
21	S08-0/22	Rapid Transfer Express (RTX)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14.6	15.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0
22	TPM 21046 MUP06-102 93-19-006AA	California Crossings	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	22.2	15.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	Yes
23	TM 5568	Rabago Business Technology Park	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
24	TM 5566 MPA 3992-10-006	Hawano Industrial Development	0.08	0.08	0	0	0	0	0	0	83.1	83.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	MUP 88-018W3	East Mesa Detention Re-entry and Rehabilitation	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
26	GPA 04-003; SP 04-002; REZ 04-009; TM 5361; ER LOG 04-19-0005	Otay Village 13	0	0	77	N/A	510	N/A	114	N/A	61	N/A	0	0	925	4,908	1,497	1,049	115	102	2.9 acres	2.5 acres	20	107	14 locations	18 locations	1	Yes
27	N/A	OWD Pressure-reducing Station	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes*	Yes
28	N/A	OWD Otay Mountain Groundwater Well	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
29	N/A	OWD #860-1 4MG Reservoir	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
30	N/A	OWD Alta Road Pipe Replacement	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
31	N/A	OWD Roll Reservoir Pipeline	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
32	N/A	SR 905	8.6	14.2	0	0	12.3	12.3	0	0	134.1	67.1	0	0	0	0	N/A	N/A	98	T*	N/A	N/A	0	0	0	0	0	0
33	N/A	SR 125	5.26	15.78	0	0	60.5	121	0	0	0	0	7,000	Yes	0	0	0	0	0	0	0	0	1	Yes	24 locations	20+ pairs and 10 individuals	0	0
34	PM 0.0/2.7 EA 056300	SR 11 and Otay Mesa East Port of Entry	0.5	0.84	0.2	0.4	0	0	0	0	171.9	171.9	0	0	0	0	0	N/A	1	1 T	41	Yes	3	Yes	0	0	9	Yes
35	N/A	U.S. Cargo Import Facility	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
36	77518	Street/La Media Truck Park III	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
37	SCH 2008061086	California Health Care Facility (for R.J. Donovan Correctional Facility)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
38	N/A	Pio Pico Energy Center	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
39	N/A	East Otay Mesa Recycling Collection Center and Landfill	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
40	N/A	Interstate Industrial Center	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Table 5-3 CUMULATIVE BIOLOGICAL RESOURCES IMPACTS																												
Figure Reference No.	Project Number	Project Name	Riparian/ Wetland Habitats		Native Grassland		Diegan Coastal Sage Scrub		Chamise Chaparral		Non-native Grassland		Otay Tarplant		Variegated Dudleya		San Diego Goldenstar		San Diego Barrel Cactus		San Diego Marsh-elder		Quino Checkerspot Butterfly		Coastal California Gnatcatcher		Burrowing Owl	
			Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation	Impacts	Mitigation
41	SPA 15 001 GPA 15 008 TM 5607 REZ 15 007 ER 15 98 190 13G	Otay-250 Sunroad - East Otay Mesa Business Park Specific Plan Amendment	0.11	0.22	0	0	0	0	0	0	195.99	98.00	0	0	Yes*	1:1	0	0	0	0	0	0	0	0	0	0	No	No
42	TM 5549	International Industrial Park	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	129.00	64.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
43	Project No. 208889	Metropolitan Airpark – Brown Field Redevelopment	3.44	2.76	0	0	0.42	0.42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Yes*	Yes	
44	STP 14-004	Via De La Amistad Truck Parking (Rapid Transfer Express)	0	0	15.9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	Yes	
Subtotal			19.83	36.9	97.59	9.49	591.86	211.73	114	N/A	2005.33	1319.30	7,000	0	4,390	8,373	1,497	1,049	317	325	190	287	27	114	38 locations	48 locations	21	5
20 (Proposed Project)	0.34	0.72	0.34	0.88	0.5	1.0	87.3**	218.9 ***	0	0	31.1	31.1	30	510	120	4,867	1,214	11,174	196	392	142	284	5	52	1 pair	4 pair	1	Yes
TOTAL			20.17	37.78	98.09	10.49	679.16	430.63	114	N/A	2036.43	1350.4	7,030	510	4,510	13,240	2,711	12,223	513	717	332	571	32	166	39 locations	52 locations	22	5

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County of San Diego¹

1 International Industrial Park

2 Airway Business Center/FedEx

3 Otay Crossings Commerce Park

4 Otay-250 East Otay Mesa Business Park Specific Plan Amendment

5 Burke Minor Subdivision/Otay Logistics Center

6 National Enterprises Storage and Recycling Facility

7 Otay Business Park (Paragon)

8a Corrections Corporation of America

8b Corrections Corporation of America

9 Piper Otay Park

10 Otay Hills

11 Via De La Amistad Truck Parking (Rapid Transfer Express)

12 California Crossings

13 Rabago Business Technology Park

14 Hawano Industrial Development

15 Otay Village 13

OWD²

16 PS 870-2 Potable Water Pump Station Replacement

17 Otay Mesa Conveyance and Disinfection System

18 Otay Mesa Lot 7 Groundwater Well

19 Res 860-1 Reservoir

20 Res 870-2 Reservoir

21 Reclaimed Water Pipeline Placement (RecPL)

22 Alta Road Pipe Placement

23 RecPL - Wueste Road

24 Siempre Viva Bridge Pipeline Crossings

25 Potable Water Pipeline Donovan Prison

Caltrans²

26 SR-905/SR-125/SR-11 Southbound Connectors Project

Caltrans/USGSA²

27 SR-11 Segment 2

USGSA/USCBP Capital Improvement Projects²

28 U.S. Cargo Import Facility

29 Reconfiguration and Expansion of the Existing San Ysidro POE

City of San Diego¹

30 San Ysidro Community Plan Update and San Ysidro Historic Village Specific Plan

31 Metropolitan Airpark - Brown Field Redevelopment

32 Otay Mesa Community Plan Update

33 Otay Mesa Central Village Specific Plan

34 Southview

35 Southwind

36 Playa Del Sol

37 PURE Water Program

38 Airway 18 Truck Terminal/Airway Auto Park Storage

39 Otay Truck Route Phase IV

40 California Terraces Planning Areas 13 & 14 Phase I

41 Rivera Del Sol: Neighborhood Park

42 Hidden Trails: Neighborhood Park

43 St. Jerome Catholic Church

44 Candlelight Villas

45 Las Californias Center

46 Just Rite

47 Brown Field Tech Park/Otay Mesa Business Park

48 Britannia

CPR³

49 Level II Infill Correctional Facilities Project

County of San Diego DEH

50 East Otay Mesa Recycling and Collection Center Landfill

1 Indicates Lead Agency

2 Indicates Combined Lead Agency and Project Proponent

3 Indicates Project Proponent

Caltrans = California Department of Transportation

CPR = California Prison Health Care Receivership Corporation

CV = Chula Vista

DPLU = Department of Planning and Land Use

DEH = Department of Environmental Health

OWD = Otay Water District

SD = San Diego

USCBP = U.S. Customs and Border Protection

USGSA = U.S. General Services Administration

Note: Color of dot corresponds with the Lead Agency/Project Proponent

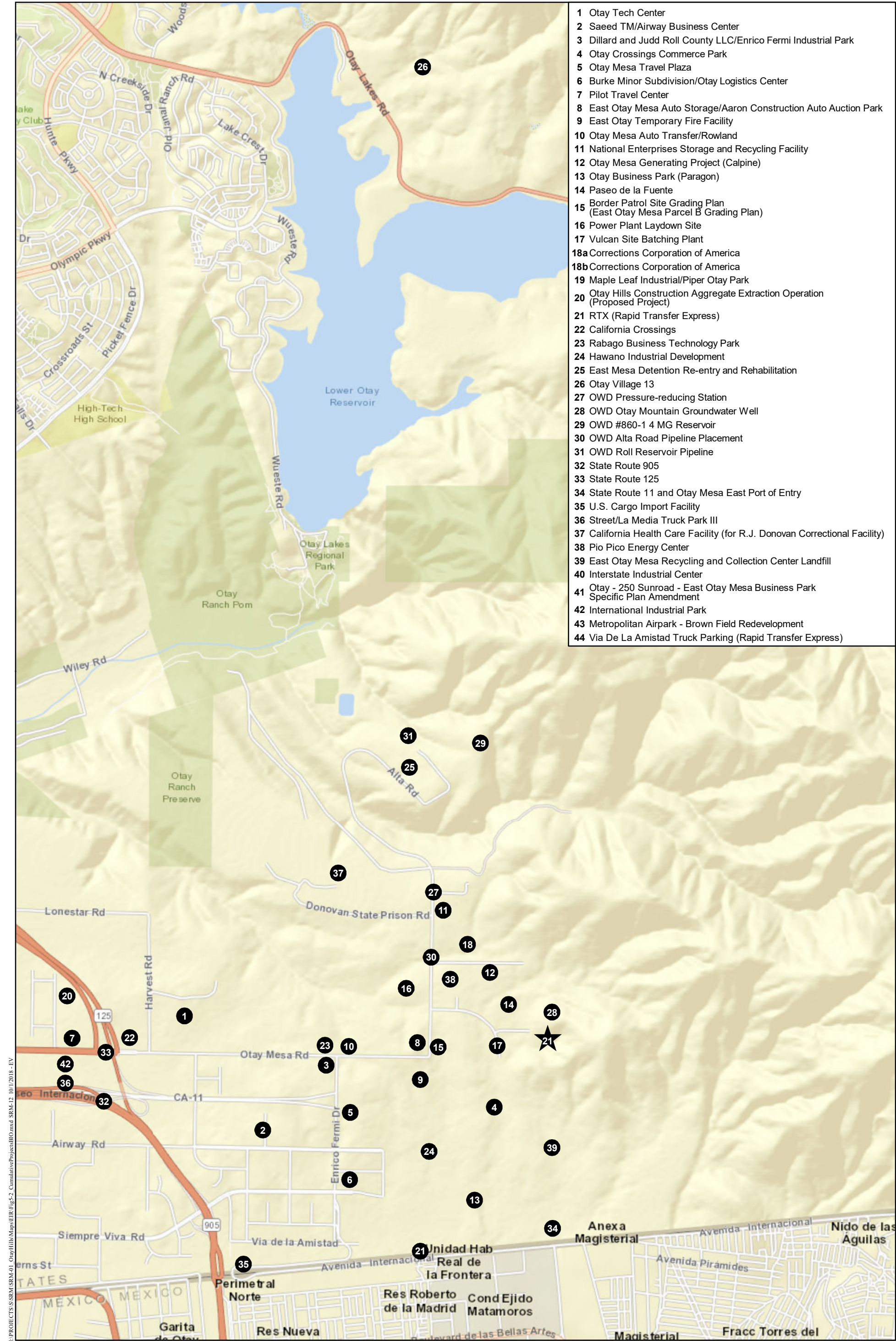
Cumulative Projects

OTAY HILLS EIR

Figure 5-1

HELIX

Environmental Planning



Cumulative Projects for Biological Resources