

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION**

ORDER No. R2-2019-0013

**AMENDMENT OF SITE CLEANUP REQUIREMENTS ORDER No. R2-2012-0019, and
RESCISSION OF AMENDMENT ORDER R2-2015-0025 for:**

UNITED TECHNOLOGIES CORPORATION

for the property located at:

600 METCALF ROAD
SANTA CLARA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region (hereinafter, the Water Board), finds that:

1. **Site Location and History:** The United Technologies Corporation (UTC) San Jose facility formerly occupied 5,113 acres in an unincorporated area of Santa Clara County, approximately five miles south of San Jose and four miles east of U.S. Highway 101, as shown in Figure 1. UTC operated the site from 1959 until 2004 to develop, manufacture, and test space and missile propulsion systems. All manufacturing operations ceased by December 2004. The developed portion of the site previously housed laboratories, research, testing, manufacturing, storage, and maintenance facilities associated with the production of solid rocket propellants. These propellants consisted primarily of ammonium perchlorate and aluminum suspended in a rubber matrix. Other materials used at the site included epoxies, paints, insulating materials, chlorofluorocarbons, and degreasing agents (primarily chlorinated and non-chlorinated solvents). Operations at the site resulted in extensive chemical contamination of soil and groundwater.
2. **Site Regulation:** The Water Board regulates cleanup of the UTC site under Site Cleanup Requirements Order No. R2-2012-0019, and Amendment Order No. R2-2015-0025 which recognized the transfer of 1,831 acres of the site to the Santa Clara County Open Space Authority. This Order rescinds Order No. R2-2015-0025, and amends Order No. R2-2012-0019 to recognize additional property transfer.

Extensive cleanup of chemical contamination of soil and water at the site has been performed under Water Board oversight, beginning in the mid-1980s. Soil remediation at the site is considered complete, but groundwater cleanup, through operation of an extensive extraction and treatment system, is ongoing.

3. **Basis for Amendment:** UTC is currently in the process of transferring ownership of approximately 1,521 acres of the western portion of the site (the Coyote Ridge Parcel) to the Santa Clara Valley Habitat Agency. The Coyote Ridge Parcel is comprised of several steep, undeveloped canyons on the western portion of the site (Figure 2). Transfer of this portion of the site is expected to be complete by third quarter of 2019.

UTC did not use the Coyote Ridge Parcel for industrial purposes. Due to the steep terrain, it remained undeveloped land surrounding the former active facility. As part of the sitewide characterization, soil sampling was performed in 2004 within the Coyote Ridge Parcel. Soil samples from this parcel were analyzed for contaminants of concern (COC) including perchlorate, total petroleum hydrocarbons (TPH), oil and grease, volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), metals, and explosives.

- Perchlorate was analyzed in 414 samples and detected in 40;
- TPH and oil and grease were analyzed in 11 samples and detected in 2;
- VOCs were analyzed in 18 samples and detected in 12; and
- Metals were analyzed in 14 samples and detected in all 14.
- No SVOCs or explosives were detected in any samples.

While there were detections of COCs in soil, all but one was below risk-based cleanup goals established for the site: arsenic was detected in one sample at 19 mg/kg, above the site-specific background concentration of 17.5 mg/kg.

Groundwater beneath the Coyote Ridge Parcel has not been tested for site COCs. Property boundaries were drawn to ensure that no portion of the transferred land will lie above a known groundwater plume.

4. **Purpose of Amendment:** This Amendment revises the description of "the site" contained in Order Nos. R2-2012-0019 to reflect the reduced size of the UTC site following transfer of the Coyote Ridge Parcel. The UTC site will henceforth consist of 1,768 acres, indicated as the "Retained Property" (outlined in red) in Figure 2. Henceforth, Order No. R2-2012-0019 will apply only to the portion of the site shown as the Retained Property in Figure 2. Removal of the Coyote Ridge Parcel from the site description will have no effect on the site cleanup activities required by Order No. R2-2012-0019 because the Coyote Ridge Parcel was not impacted by chemicals from UTC's site operations at concentrations exceeding the approved risk-based cleanup goals and therefore required no cleanup.
5. **RCRA Regulation:** Some portions of the UTC site are regulated by the California Department of Toxic Substances Control (DTSC) under a Resource Conservation and Recovery Act (RCRA) Part B Permit. These closed RCRA units occur only in the Retained Property. DTSC is modifying their Part B Permit to reflect the property boundary change.
6. **Environmental Benefits:** Preservation of the Coyote Ridge Parcel as open space will protect endangered species and natural habitat for three federally-listed animal species: the Bay Checkerspot Butterfly, California Red-Legged Frog, and California Tiger Salamander. Additionally, three special-status plant species are known to be present in the serpentinite soils of the Coyote Ridge Parcel.
7. **CEQA:** This action is an amendment of an order to revise a property description in Order No. R2-2012-0019. As mentioned above, the revised property description will not affect

implementation of that order, and the environmental impacts of site remediation were previously evaluated in a December 14, 2007 Final EIR (State Clearinghouse Number 2006102114) prepared by the Santa Clara County Planning Department. Editorial revisions are not “projects” as defined in the California Environmental Quality Act (CEQA). There is no reasonable possibility that this action will have a significant effect on the environment (Cal. Code Regs., tit. 14, §§ 15378 and 15061, subd. (b)(3)).

IT IS HEREBY ORDERED that the first sentence of Finding 2 of Order No. R2-2012-0019 is amended to read as follows:

“The UTC San Jose facility (“the site,” as shown in Figure 1) occupies **1,768** acres in an unincorporated area of Santa Clara County, approximately five miles south of San Jose and four miles east of U.S. Highway 101.”

The remainder of Finding 2 remains unchanged.

IT IS FURTHER ORDERED that the area outlined in red in Figure 2 of this Amendment (Revised Site Boundary) replace Figure 1 in Order No. R2-2012-0019 to locate and define the area regulated.

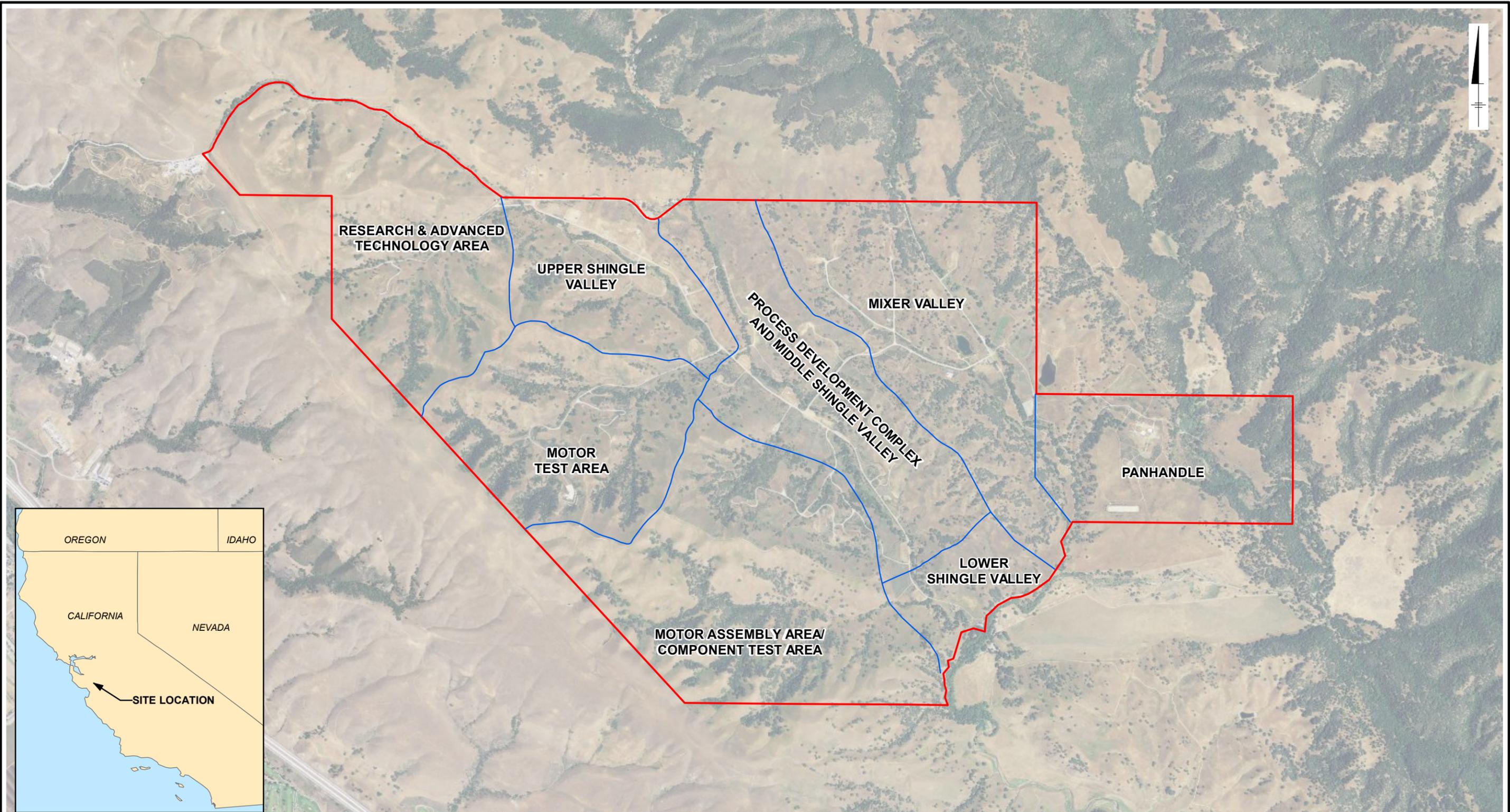
I, Michael Montgomery, Executive Officer, do hereby certify that the foregoing is a full, complete, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on April 10, 2019.

Michael Montgomery
Executive Officer

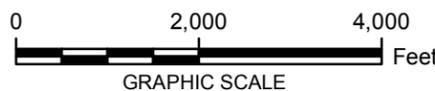
Figure 1 - Site Map

Figure 2 - Revised Site Boundary

CITY: CLE DIV/GROUP:SER/IM DBL.GREENE LD: EAL PIC: PM: TM: TR:
B0039599.0003.00010 Path: Z:\GIS\Projects_ENV\UTC_PandW_Rocketdyne\SanJose\DTSC Permit Update\RegionalSiteMap_F1.mxd Date Saved: 3/4/2019 5:39:03 PM



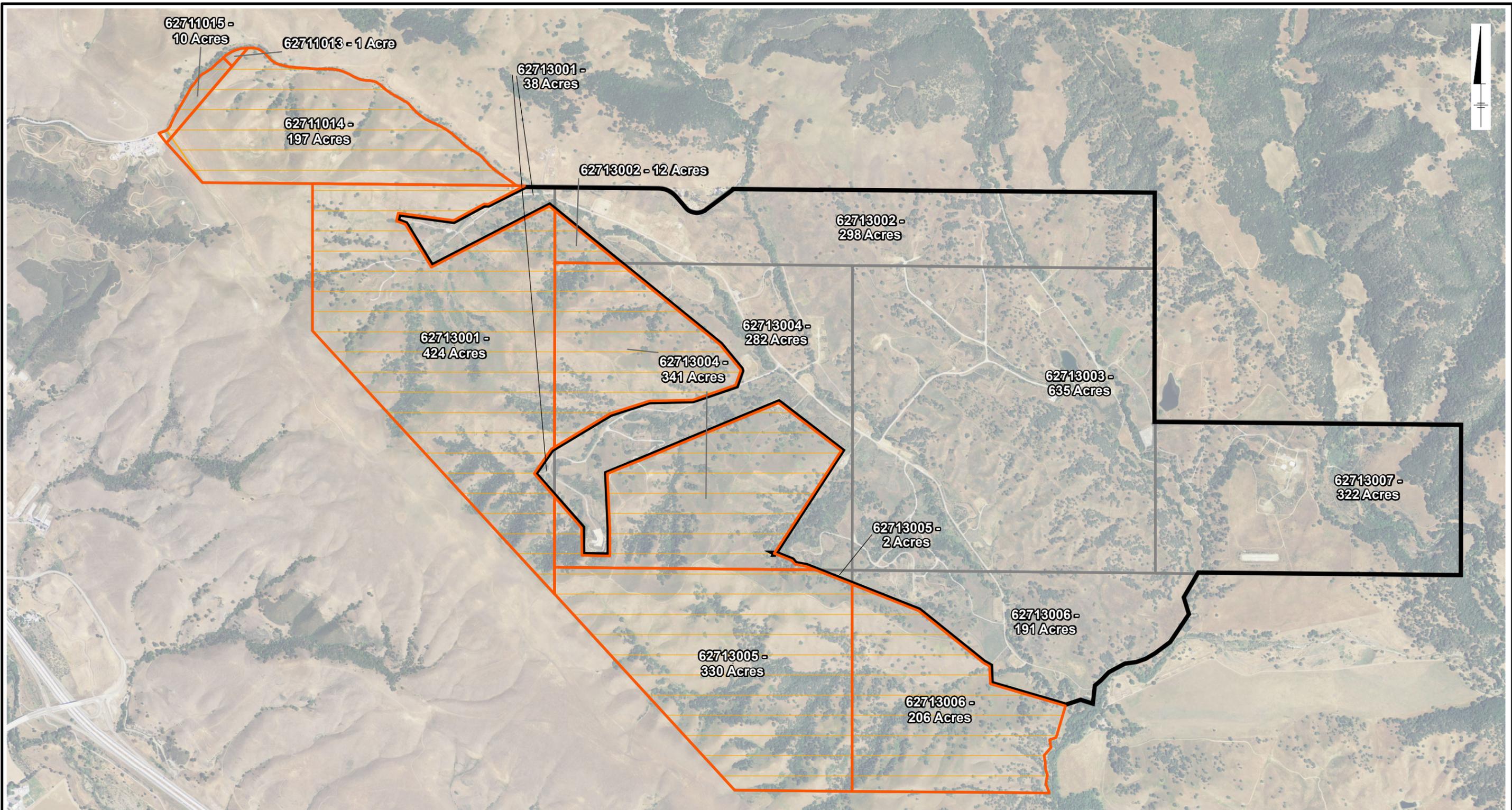
LEGEND:
— FACILITY AREA BOUNDARIES
□ PROPERTY BOUNDARY



NOTE:
1. AERIAL IMAGERY SOURCE: NAIP IMAGERY, USDA, 2012

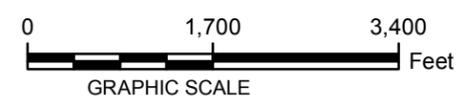
UNITED TECHNOLOGIES CORPORATION PRATT & WHITNEY SAN JOSE, CALIFORNIA	
REGIONAL SITE MAP	
ARCADIS Design & Consultancy for natural and built assets	FIGURE 1

CITY: CLE DIV\GROUP-SER\IM DB1-GREENE.LD: EAL_PIC: PM: TM: TR: Document Path: Z:\GIS\Projects\ENV\UTC_PanorW_Rockedyne\SanJose\DTSC Permit Update\OSA Transfer Update - Access and Parcels v3.mxd



- LEGEND:**
- RETAINED PROPERTY (1768 Acres)
 - PARCELS RETAINED (With Assesors Parcel Numbers - APN)
 - COYOTE RIDGE PROPERTY (1521 Acres)
 - COYOTE RIDGE PARCELS (With APN)

NOTES:
 1. AERIAL PHOTO SOURCE: GOOGLE EARTH PRO, 2013



UNITED TECHNOLOGIES CORPORATION PRATT & WHITNEY SAN JOSE, CALIFORNIA
REVISED SITE BOUNDARY
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="font-size: 8px; line-height: 1;"> ARCADIS Design & Consultancy for natural and built assets </div> </div>
FIGURE 2