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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION IX

75 Hawthorne Street San Francisco, CA 94105

Via Email Delivery

January 26, 2011

Ms. Jenny Marek U.S. Fish and Wildlife Service 2493 Portola Road, Suite B Ventura, CA 93003

Mr. Jeff Humble California Department of Fish and Game PO Box 1179 Ventura, CA 93002

Ms. Mary Meyer California Department of Fish and Game 226 West Ojai Avenue, Suite 101 PMB 501 Ojai, CA 93023

Subject:

EPA Radiological Study of the Santa Susana Field Laboratory Area IV and the Northern Buffer Zone; *Quarterly Biological Montioring Report* #2

Dear Ms. Marek, Mr. Humble, and Ms. Meyer:

The United States Environmental Protection Agency (US EPA) is continuing its radiological study at Area IV and the Northern Buffer Zone of the Santa Susana Field Laboratory (SSFL) located in eastern Ventura County. EPA is conducting this project pursuant to federal legislative mandate HR2764, the Consolidated Appropriations Act of 2008, and the authority granted under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). Attached is EPA's Quarterly Biological Monitoring Report #2 dated January 22, 2011. The purpose of this report is to provide a quarterly monitoring update, which summarizes:

- Project Activities and Operations,
- Biological Surveys, Monitoring, and Impacts to Federally Listed Species and their Critical Habitat, if applicable,

- Biological Surveys, Monitoring, and Impacts to State listed species and Species of Special Concern,
- Riparian Area impacts, and
- Issues Encountered and Adaptive Management.

The attached report covers EPA project activities during the period from October 5, 2010 to January 6, 2011. EPA intends to issue biological monitoring status reports to document our ongoing compliance with the Biological Opinion concerning the subject project issued by the U.S. Fish and Wildlife Service (USFWS) on May 25, 2010 and our compliance with the substantive technical requirements of the California Endangered Species Act and the California Department of Fish and Game Code Section 1602 (riparian protection).

Please give me a call at (415) 947-4148 if you have any questions regarding the information provided herein.

Sincerely,

Craig Cooper

Project Manager

SSFL Site

Cc:

Stephie Jennings, Department of Energy

Mark Malinowski, California Department of Toxic Substances Control

Attachment: Quarterly Biological Monitoring Report #2 dated January 22, 2010.

QUARTERLY BIOLOGICAL MONITORING REPORT #2

RADIOLOGICAL STUDY OF THE SANTA SUSANA FIELD LABORATORY AREA IV AND NORTHERN BUFFER ZONE

Prepared for:

U.S. Environmental Protection Agency Region 9

75 Hawthorne Street San Francisco, CA 94105

Prepared by:

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INTRODUCTION

The U.S. Environmental Protection Agency (EPA) is conducting a radiological characterization of a portion of the Santa Susana Field Laboratory (SSFL), located in the Simi Hills of eastern Ventura County, California (**Figure 1**). The two areas at SSFL being characterized are Area IV, a 290-acre administrative section where the U.S. Department of Energy and its contractors once operated several nuclear reactors and associated fuel facilities and laboratories, and the Northern Buffer Zone (NBZ), a 182-acre area with no history of development that lies adjacent to Area IV. These two areas compose the Area IV study area.

Several activities associated with the radiological study of the Area IV Study Area have the potential to impact federally listed species and their critical habitat, as well as resources protected under California State law. These activities include vegetation cutting, gamma scanning, geophysical survey, surface and subsurface soil sampling, groundwater monitoring well sampling, surface water and sediment sampling. The scope of these project activities is described in further detail in the Biological Assessment (BA) prepared for EPA by HydroGeoLogic, Inc. (HGL), and Envicom Corporation dated February 12, 2010. To minimize the impact to natural resources and riparian habitat within the study area, protection measures were developed and are being implemented as scanning activities progress. These measures are detailed in Appendices E, G, and N of the Site Management Plan (dated September 24, 2010).

EPA is conducting this project pursuant to federal legislative mandate HR2764, the Consolidated Appropriations Act of 2008, and the authority granted under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). Formal consultation under Section 7 of the Endangered Species Act has been conducted with the U.S. Fish and Wildlife Service (USFWS), and a Biological Opinion was issued on May 25, 2010. The USFWS Biological Opinion identified Avoidance and Minimization Measures (AMMs) keyed to each of the proposed activities and Federally listed species with potential to occur within the Action Area. EPA has agreed to implement the various components of the Radiological Survey in compliance with the Biological Opinion and its requirements. Although not under discretionary approval, it is also EPA's goal to comply with the substantive technical requirements of State of California natural resource protection laws, such as the California Endangered Species Act and California Fish and Game Code Section 1602 for impacts to riparian resources. Additional applicable biological resource laws or regulations to which the project is adhering include the Federal Migratory Bird Treaty Act and California Fish and Game Code 3503 and 3503.5 (for protection of nesting birds).

The purpose of this report is to provide a quarterly monitoring update, which summarizes 1) Project Activities and Operations, 2) Biological Surveys, Monitoring, and Impacts to Federally Listed Species and their Critical Habitat, if applicable, 3) Biological Surveys, Monitoring, and Impacts to State listed species and Species of Special Concern, 4) Riparian Area impacts, and 5) Issues Encountered and Adaptive Management. The report covers the period from October 6, 2010, to January 6, 2011.

PROJECT ACTIVITIES AND OPERATIONS

The Area IV Study Area is subdivided into Subareas 3, 5A, 5B, 5C, 5D, 6, 7, 8, NE, and NW (**Figure 2**). The subareas have been divided into 76 Survey Sections (SS). The SSs include roads. To date, EPA has begun conducting all six primary project tasks over portions of the study area: vegetation cutting, gamma scanning, geophysical surveying, surface and subsurface soil sampling, groundwater monitoring well sampling, and surface water and sediment sampling.

Vegetation within the study area is being cut or trimmed to allow access to vehicles and equipment, and to provide clearance for gamma scanning equipment at optimum levels of sensitivity. Vegetation cutting protocols were prepared and are found in Appendix E of the Site Management Plan. Vegetation cutting has been completed in Subareas 5A, 5B, and 5C. Subarea 5D has been cut except for SS-59 (**Plate 1A**). A portion of Subarea 8 has been cut: specifically SS-48, SS-49, SS-50, SS-51, SS-52, and portions of SS-43 and SS-46 (**Plates 1B and 1C**). Standard equipment used during vegetation cutting includes weed whackers, lopping shears, chainsaws, skid steer with mower and fork-lift attachments, chipper, and a front-loading tractor for the safe removal of poison oak (*Toxicodendron diversilobum*) branches (**Plate 1D**).

Gamma scanning is being accomplished using various scanning devices, depending on site conditions. Scanning equipment includes two ERGS off-road forklift vehicles, mule-mounted scanning devices, a handcart scanner, and handheld scanners. Gamma scanning has continued in Subareas 5A, 5B, 5C, and 5D, although scanning has not yet begun in the steep southern portion of 5D (SS-49, SS-51, SS-52, SS-58, SS-59) (**Plates 2A and 2B**). Gamma scanning has also begun in cleared portions of Subarea 8. Some areas will need to be rescanned due to data gaps that occur during gamma scanning.

Geophysical surveys have continued in Subareas 5A, 5B, 5C, and in the portion of 5D outside of the steep southern portion of 5D described above. Geophysical Surveys have also begun in cleared portions of Subarea 8 (**Plate 2C**).

Surface and subsurface soil sampling commenced in November 2010 and has been conducted in Subareas 5B and 5C (**Plate 2D**). Equipment used for this task includes a mobile drilling/coring rig and hand tools. The number of sampling points within each SS varies depending on the findings of the Historical Site Assessment (HSA) and the results of the gamma scanning surveys already conducted. The sampling procedure at each sample point involves retrieving a surface sample of approximately 1 gallon of soil from 0 to 6 inches below ground surface (bgs). A subsurface soil sample consisting of a core sample obtained from a depth of 10 feet bgs is collected at a subset of the surface sampling sites.

Surface water and sediment sampling began in December 2010 (**Plate 3A**). The sampling procedure is similar to the surface soil sampling protocol, with approximately 1-gallon of sediment collected using hand tools at various drainage sites throughout the Area IV Study Area. This activity results in light foot traffic.

No monitoring well sampling was conducted during the monitoring period.

BIOLOGICAL CLEARANCE SURVEYS, MONITORING, AND IMPACTS

Clearance Survey Methodology

Before project activities commenced within each of the subareas, one of the USFWS-approved biologists from Envicom (Scott Werner, Jim Anderson, or Carl Wishner) conducted clearance surveys to document the presence/absence and location of Federal and State special-status biological resources and riparian habitat (**Figure 3**). The locations of the resources were marked in the field with conspicuous flagging and mapped using Global Positioning System (GPS) technology and Geographic Information System (GIS) software. Mapped resources are shown on **Figures 4 through 6**. Clearance survey monitoring forms (Attachment 1) are prepared for each clearance survey to document the resources observed and to identify

which AMMs included in the Biological Opinion are applicable to future activities occurring within the survey area.

Biological Monitoring Methodology

One or more of the approved biological monitors from Envicom are present on a daily basis. The monitors attend the safety meeting with crews and monitor project activities. During this reporting period, the following primary project tasks were conducted: included vegetation cutting, gamma scanning, geophysical surveying, surface and subsurface soil sampling, and surface water and sediment sampling. The biological monitor(s) work alongside the field crews to point out the locations of special-status biological resources and, in some cases, assist the crews in avoiding impacts. Daily biological monitoring forms (Attachment 2) are prepared to document the activities monitored, any special-status biological resources encountered, and impacts resulting from project activities. Any further recommendations on reducing impacts to biological resources also are reported on this form. In compliance with the Biological Opinion, all project-related crews participate in an environmental education program administered by the USFWS approved biologist to inform participants of the sensitive biological resources within the study area and the AMMs to be employed.

Clearance Survey and Monitoring Results for Federally Listed Species

Only one federally listed species addressed in the Biological Opinion has been positively identified in the study area: Braunton's milkvetch. The observed locations of Braunton's milkvetch are illustrated on Figures 4 through 7 and discussed in more detail below. **Table 1** summarizes the locations where the species has been detected during either clearance surveys or monitoring.

Braunton's milkvetch (Astragalus brauntonii); Federally Endangered

This species has been detected in Subareas 5B (SS-10), 5C (SS-7), 5D (SS-51, SS-52, and SS-58), and 8 (SS-51 and SS-52). Sections SS-51, SS-52, and SS-58 contain the greatest densities of Braunton's milkvetch in the study area (**Plates 3B and 3C**). These sections overlap with Braunton's milkvetch Critical Habitat Unit 1d. During the monitoring period, forty-two (42) milkvetch plants were incidentally cut, knocked over, or damaged during vegetation cutting in the Area IV Study Area. **Table 2** provides a description of the plants impacted in each SS. Some preliminary testing of gamma scanning equipment has been conducted in SS-51 and SS-58 but no impacts to Braunton's milkvetch have resulted from this activity. No other project activities have been conducted within the milkvetch Critical Habitat Unit 1d.

Critical Habitat Unit 1d for Braunton's milkvetch covers portions of SS-51, SS-52, SS-55, SS-56, SS-58, and SS-59. The Primary Constituent Elements (PCEs) for Braunton's milkvetch are (1) calcium carbonate soils derived from marine sediment; (2) low proportion (<10%) of shrub cover directly around the plant; and (3) chaparral and coastal sage scrub communities characterized by periodic disturbances that stimulate seed germination (for example, fire, flooding, erosion) and reduce vegetative cover. These PCEs are found in SS-51, SS-52, SS-58, and SS-59 where the greatest density of milkvetch occurs. Within this area, the calcium carbonate soils remain intact, and Vegetation Cutting activities have reduced the cover of shrubs rebounding from the 2005 Topanga Fire such as toyon (*Heteromeles arbutifolia*), chamise (*Adenostoma fasciculatum*), and sugar bush (*Rhus ovata*). This disturbance has not substantially altered the PCEs or the condition of the milkvetch Critical Habitat.

Dudleya species: Conejo dudleya (Dudleya abramsii subsp. parva [=D. parva]), Santa Monica Mountains live-forever (D. cymosa subsp. ovatifolia [inclusive of D. cymosa subsp. agourensis]), and marcescent dudleya (D. cymosa subsp. marcescens); all Federally Threatened

None of the Federal or State listed dudleya species have been encountered. Many individual dudleya that resemble *D. lanceolata* (no protection status) have been documented but were unidentifiable because the monitoring period took place outside of the flowering period for these species. Therefore all unidentifiable dudleya are flagged and protected during project activities. During this monitoring period, species were flagged in Subareas 8 (SS-43, SS-44, SS-46 and SS-48); and 5D (SS-58) (Table 1). No flagged dudleya have been harmed during project activities.

Vernal Pool Branchiopods: Riverside fairy shrimp (Streptocephalus woottoni), Federally Endangered, and vernal pool fairy shrimp (Branchinecta lynchi), Federally Threatened

In Subarea 5C (SS-7), unidentified fairy shrimp were observed in the previously identified seasonal wetland, as well as a much smaller nearby wetland not previously identified as vernal pool branchiopod habitat (Figure 5) (**Plates 3D and 4A**). These pools collected water during the heavy rainfall events of December 2010 and were inspected for fairy shrimp activity by the monitoring biologist on January 5, 2011. A presence/absence survey for Riverside fairy shrimp and vernal pool fairy shrimp has not been conducted, and none is currently planned because no activities resulting in soil disturbance activities are planned during wet phases are planned; sampling in these pools will be conducted only during the dry phase.

California red-legged frog (Rana draytonii); Federally Threatened

Project activities occurred in proximity to four areas identified in the Biological Assessment as potentially suitable habitat for the California red-legged frog. These habitat areas consist of three outfall collection pools in Subareas 6 (SS-38) and 8 (SS-43, SS-46), and an ephemeral drainage in the eastern NBZ. A 300-foot buffer was created around these features using a GIS, and the biological monitor supervised all project activities within the buffer area. During the monitoring period, vegetation cutting and surface water and sediment sampling were conducted in these areas. Water was present in all three areas. Pacific chorus frogs (*Pseudacris regilla*) were observed in the NBZ and SS-46 habitat areas, but no red-legged frogs were observed. A small (0.84 acre [ac]) portion of the Critical Habitat Unit VEN-3, Upper Las Virgenes Canyon, occurs as northern mixed chaparral in Subarea 5D (SS-52 and SS-59). The portion within SS-52 has been subjected to vegetation cutting using hand tools. The majority of California red-legged frog Critical Habitat occurs in Subarea 5D (SS-59), in which no activities have yet occurred.

Least Bell's vireo (Vireo bellii pusillus); Federally Endangered

A riparian habitat strip identified as potential least Bell's vireo habitat in Subarea 5B (SS-12) was surveyed and flagged on August 13, 2010, as off-limits to project activities until the end of the Least Bell's vireo breeding season on October 1. No least Bell's vireo have been observed in the study area during clearance surveys or monitoring. Vegetation cutting, gamma scanning, and geophysical surveys were conducted in the Least Bell's vireo potential habitat after October 1, 2010.

California gnatcatcher (Polioptila californica californica); Federally Threatened

Before project activities commenced, a protocol survey and habitat assessment was conducted (April 9 to June 4, 2010) for California gnatcatcher within the study area. This comprehensive survey was completed in compliance with USFWS protocol guidelines under permissible weather conditions. Though

habitat suitable for the gnatcatcher were observed in Subareas 5D (SS-51, SS-52, and SS-58), and 8 (SS-43, SS-48, SS-49, SS-51, and SS-52), no California gnatcatchers were observed.

Table 1
List of Federally Listed Resources and Critical/Suitable Habitat
Observed in Survey Sections during the Monitoring Period

Species/Resource	Survey Section	Subarea
Braunton's milkvetch	SS-7	5C
Braunton's milkvetch	SS-10	5B
Braunton's milkvetch	SS-51	5D/8
Braunton's milkvetch	SS-52	5D/8
Braunton's milkvetch	SS-58	5D
Dudleya sp.	SS-43	8
Dudleya sp.	SS-44	8
Dudleya sp.	SS-46	8
Dudleya sp.	SS-48	8
Dudleya sp.	SS-58	5D
Vernal pool branchiopod habitat occupied by unidentified branchiopods	SS-7	5C
California Red-legged Frog potentially suitable habitat	SS-38	6
California Red-legged Frog potentially suitable habitat	SS-43	8
California Red-legged Frog potentially suitable habitat	SS-46	8
California Red-legged Frog potentially suitable habitat	n/a	NBZ
California Red-legged Frog Critical Habitat	SS-52	5D
Coastal California Gnatcatcher habitat	SS-43	8
Coastal California Gnatcatcher habitat	SS-48	8
Coastal California Gnatcatcher habitat	SS-49	8
Coastal California Gnatcatcher habitat	SS-51	5D/8
Coastal California Gnatcatcher habitat	SS-52	5D/8
Coastal California Gnatcatcher habitat	SS-58	5D
Least Bell's Vireo habitat	SS-12	5B

Table 2
List of Federally Listed Resources or Critical Habitat Impacted by Project Activities

Species/Resource (# impacted)	Survey Section	Date recorded	Associated project activity	Impact	Description
Braunton's milkvetch (1)	SS-10	12/3/10*	SS or GS*	Damaged	One main branch bent over. *Date and cause of damage not known.
Braunton's milkvetch (25)	SS-51	11/5/10- 11/15/10	VC	Damaged or knocked down	Branches damaged or older brittle plants knocked down.
Braunton's milkvetch (9)	SS-52	11/17/10- 11/22/10	VC	Damaged or knocked down	Branches damaged or older brittle plants knocked down.
Braunton's milkvetch (1)	SS-58	10/12/10	VC	Cut	One plant inadvertently cut at base of stem.
Braunton's milkvetch (6)	SS-58	10/18/10, 11/4/10	VC	Damaged or bent	Plants sustained some branch damage, most are older individuals with little to no fresh leaf growth
Braunton's milkvetch Critical Habitat Unit 1d	SS-51 SS-52 SS-58	October 2010 through January 2011	VC	Trimmed	Most unprotected plant species trimmed to 6" above ground except trees and some large shrubs.

Clearance Surveys and Monitoring Results for State Protected Biological Resources and Nesting Birds

The Santa Susana tarplant is the only State-listed species observed during the clearance surveys and biological monitoring. However, other State-protected biological resources have been observed. The location of Santa Susana Tarplant and other State-protected biological resources within the Action Area are illustrated on Figures 4, 5, and 6. The following is a more detailed description of the observations and impacts associated with State-protected biological resources. A summary of the State-Sensitive resources observed are listed by Subarea and SS in **Table 3**.

Santa Susana tarplant (Deinandra minthornii); State Rare, CNPS List 1B.2

This species is locally common in sections of Area IV with sandstone outcrops. Only one plant was impacted by project activities during the monitoring period (**Table 4**). Most of the vegetation cutting did not take place in tarplant areas; activities that did take place in occupied tarplant habitat successfully avoided the clearly flagged plants.

Plummer's mariposa lily (Calochortus plummerae); CNPS List 1B.2

Unidentified *Calochortus* fruiting structures characteristic of Plummer's mariposa lily were identified in SS-49 and SS-51 in November and December. This perennial bulbiferous herb blooms May-July and is often seen in recently burned areas. Observed locations have been recorded and will be inspected during 2011 for specific identification. The plants will be protected from project activities until the species can be confirmed. Additionally, further protection will be provided if they are confirmed to be the rare Plummer's type.

Malibu baccharis (Baccharis malibuensis); CNPS List 1B.1

Malibu baccharis has been recorded in Subareas 5D and 8 on the hilly terrain at the extreme southern end of the study area (**Plate 4B**). It is the codominant species with chamise in certain areas of the unburned northern mixed chaparral on SS-49. Like Santa Susana tarplant, Malibu baccharis exhibits a growth form where the branches grow from a central base, and the plant is short, compact, and not easily damaged by project equipment when properly marked. Though about 100 plants have been inadvertently trimmed or damaged during vegetation cutting, the majority of these are still alive and well rooted because of the basal growth form.

Southern California black walnut (Juglans californica); CNPS List 4.2

A population of southern California black walnut trees is located along the north-facing slopes of Subarea 5D (SS-50, SS-51, SS-52, and SS-58) and 8 (SS-48, SS-49, SS-50, SS-51, and SS-52). The 2005 Topanga Fire burned most of the mature walnut trunks, but many of the trees have resprouted from the burned trunk bases. To create the clearance required for the scanning equipment, some of the new trunks growing outward required pruning to the standard 6 to 18 inches above ground-level, but many trunks growing vertically have been left intact.

Coast horned lizard (Phrynosoma blainvillii); State Species of Special Concern

Suitable habitat was identified in most of the undeveloped survey sections of the study area, and coast horned lizards were observed in SS-49, SS-51, and SS-58. Some individuals were relocated nearby, out of harm's way, while others were held and released later the same day after it was clear that the vegetation cutting crew was finished working in that particular area (**Plates 4C and 4D**).

Silvery legless lizard (Anniella pulchra pulchra); State Species of Special Concern

Suitable habitat was identified in many of the undeveloped survey sections of the study area. No silvery legless lizards have been observed.

Coast patch-nosed snake (Salvadora hexalepis virgultea); State Species of Special Concern

Suitable habitat was identified in many of the undeveloped survey sections of the study area. No coast patch-nosed snakes have been observed.

Cooper's Hawk (Accipiter cooperii); State Watch List

Cooper's hawks have been observed in the study area, although no nesting has been documented. Suitable nesting habitat likely exists in the oak woodlands located in the northwestern and southwestern portions of the study area.

Golden eagle (Aquila chrysaetos); State Watch List, Fully Protected

Golden eagles were seen soaring over the western portion of the study area. An historical nest site located on the SSFL property boundary in the NBZ was briefly monitored on two separate days in December 2010 and January 2011 but appeared to be inactive. If the nest becomes active in the coming months, an appropriate nesting-bird buffer will be established and the biological monitor will supervise all project activities within the buffer to minimize any disturbances to the eagles.

Loggerhead shrike (Lanius ludovicianus); State Species of Special Concern (Nesting)

One shrike (likely a winter visitor) was observed on August 26, 2010 within Subareas 5A (SS-15) and Subarea 5D (SS-54) and was still in the area at least through October 1, 2010. Loggerhead shrikes inhabit open country with short vegetation and breed in isolated trees or large shrubs. In coastal Ventura County they are mainly found as winter visitors.

Southern California rufous-crowned sparrow (Aimophila ruficeps canescens); State Watch List

Southern California rufous-crowned sparrows are year-round residents in the Simi Hills and Santa Susana Mountains, typically nesting at or near ground-level near rocky outcrops and associated low-growing shrubby and herbaceous cover. This species was observed in NBZ-E while monitoring the surface water and sediment sampling crew.

San Diego desert woodrat (Neotoma lepida intermedia); State Species of Special Concern

Suitable habitat for the woodrat was identified in much of the study area, especially areas that contain shrubby vegetation and rocky outcrops. Incidental sightings of big-eared woodrat (*Neotoma macrotis*) were recorded in SS-49. No San Diego desert woodrats have been found in the project area.

<u>Table 3</u>
List of State-Sensitive Resources Observed during the Monitoring Period, Grouped by Area

Species/Resource	Survey Section	Subarea
Santa Susana tarplant	SS-43	8
Santa Susana tarplant	SS-44	8
Santa Susana tarplant	SS-48	8
Santa Susana tarplant	SS-58	8
Calochortus sp. (likely Plummer's)	SS-49	8
Calochortus sp. (likely Plummer's)	SS-51	5D/8
Malibu baccharis	SS-49	8
Malibu baccharis	SS-51	5D/8

Species/Resource	Survey Section	Subarea
Malibu baccharis	SS-52	5D/8
Malibu baccharis	SS-58	5D
Southern California black walnut	SS-48	8
Southern California black walnut	SS-49	8
Southern California black walnut	SS-50	5D/8
Southern California black walnut	SS-51	5D/8
Southern California black walnut	SS-52	5D/8
Southern California black walnut	SS-58	5D
Coast horned lizard	SS-49	8
Coast horned lizard	SS-51	5D/8
Coast horned lizard	SS-58	5D/8
Loggerhead shrike (non-nesting)	SS-15	5A
Loggerhead shrike (non-nesting)	SS-54	5D
Southern California Rufous-crowned sparrow	n/a	NBZ-E
Riparian area	SS-1	5B, 5C
Riparian area	SS-12	5C

<u>Table 4</u> List of State-sensitive Resources Impacted

Species/Resource (# impacted)	Survey Section	Date recorded	Associated project activity	Impact	Description
Santa Susana tarplant (1)	SS-43	10/22/10	VC	Trampled/ uprooted	Small clump along only footpath into area. 1 plant lost.
Malibu baccharis (13)	SS-58	10/14/10- 10/18/10	VC	Damaged	Plants trimmed and/or uprooted inadvertently.
Malibu baccharis (10)	SS-51	11/9/10- 11/10/10	VC	Damaged	Plants damaged by nearby brush removal.
Malibu baccharis (6)	SS-52	11/17/10- 11/22/10	VC	Trimmed	Plants trimmed inadvertently.
Malibu baccharis (72)	SS-49	12/1/10- 1/4/10	VC	Trimmed/ Damaged	Some plants inadvertently trimmed back or damaged during brush removal. Majority of these plants still alive and well rooted.
Southern California black walnut (3)	SS-48	Oct-Dec	VC	Trimmed	Mature trees trimmed.

Southern	1				
California black	SS-49	Oct-Dec	VC	Trimmed	Mature trees trimmed.
walnut (2)	55-47	GCt-DCC	, ,	Timmicu	water trees triffined.
Southern					D
California black	SS-51	Oct-Dec	VC	Trimmed	Resprouts from 2005 fire
walnut (~20)					trimmed.
Southern					Resprouts from 2005 fire
California black	SS-52	Nov-Dec	VC	Trimmed	trimmed.
walnut (6)					trimined.
Southern	gg 50	0.15	NG	T. 1	Resprouts from 2005 fire
California black	SS-58	Oct-Dec	VC	Trimmed	trimmed.
walnut (~30) Coast horned				Relocated	Adult relocated 30 feet away,
lizard (1)	SS-49	12/8/10	VC	nearby	off SS-49 in similar habitat.
				_	2 juveniles held and then
Coast horned	SS-51	11/5/10	VC	Held	released at end of day in same
lizard (2)				temporarily	location.
Coast horned				Held	1 juvenile held and then
lizard (1)	SS-51	11/9/10	VC	temporarily	released at end of day in same
. ,					location.
Coast horned	SS-58	10/14/10	VC	Relocated	Adult relocated nearby, off
lizard (1)	55 55	10/11/10		nearby	Area IV in similar habitat.
Coast horned	99.50	10/06/10	T.C	Relocated	2 adults and 1 juvenile
lizard (3)	SS-58 10/26/10 VC Reformed nearby	nearby	relocated nearby, in similar		
				· ·	habitat.
Coast horned	SS-58	11/4/10	VC	Relocated	4 juveniles relocated nearby, off Area IV in similar habitat.
lizard (4)				nearby	on Area IV in Similar nabitat.

Clearance Surveys and Monitoring Results for Riparian Habitat

The following project activities associated with the four previously identified ephemeral drainages (SS-1 and SS-12) were conducted during the monitoring period: vegetation cutting, gamma scanning, geophysical surveys, and soil sampling. Shrub species associated with these areas are primarily mule fat (*Baccharis salicifolia*) and willow (Salix sp.), with coast live oak (*Quercus agrifolia*) and coyote brush (*Baccharis pilularis*) growing on the banks. The drainages were not inspected by the biologist during the December rainfall events, but may have contained a small amount of pooled water at that time. Otherwise, no significant flow was observed. Vegetation cutting in these areas was performed using hand tools, and plants located within or on the banks of the drainages were left standing, with some trimming being conducted near ground level to allow for scanning. Additional details on the activities conducted within each of the four drainages is provided in **Table 5**. These riparian areas do not support enough water to be considered suitable habitat for the California red-legged frog. Regardless, activities within the riparian habitat have been conducted under the supervision of a qualified biological monitor with experience identifying California red-legged frog species and habitat.

Project activities have been conducted at or near four additional locations listed in Table 5 that have been identified as potential California red-legged frog habitat with riparian characteristics. One is a manmade impoundment that functions as a small, ephemeral freshwater wetland (SS-38), two are lined collection basins with minimal riparian vegetation (found in SS-43 and SS-46), and the fourth is an ephemeral stream in the eastern NBZ that has a bedrock streambed and contains a significant amount of standing or running water during part of the year. Additional riparian habitat exists in the NBZ and adjacent survey sections, but it has not yet been characterized because major project activities have not yet commenced in these areas. Sediment sampling (SWSS) has been conducted by field crews equipped with hand tools in several drainages in the NBZ and adjacent survey sections under the supervision of the biological monitor. Before the survey, all locations and survey procedures were reviewed by the biologist, and monitoring requirements were satisfied in accordance with the AMMs listed in the Biological Opinion. Due to the relatively small ground disturbance required for the SWSS task, biological monitoring for SWSS was only conducted at those riparian sites (SS-38 and NBZ-E) with potential habitat for California red-legged frog.

Table 5
Activities Conducted with Monitoring within Riparian Habitat

Location		Description	Description of Activities	Significant	
Subarea	SS	Description	Performed	Impacts	
5C	SS-1	500' long by 3-6' wide	GP, SS	None	
5C	SS-1	200' long by 3-6' wide	GP, SS	None	
5C	SS-1	235' long by 3-6' wide	GP, SS	None	
5A/5B	SS-12	450' long by 3-6' wide	VC, GS (mule)	None	
6	SS-38	Ephemeral freshwater wetland (15'long by 15'wide)	swss	None	
8	SS-43	Lined collection basin (30' long by 40' wide)	VC	None	
8	SS-46	Lined collection basin (30' long by 40' wide)	VC	None	
NB	Z-E	Bedrock-lined ephemeral creek	SWSS	None	

GP –geophysical surveying

GS – gamma scanning

SS - soil sampling

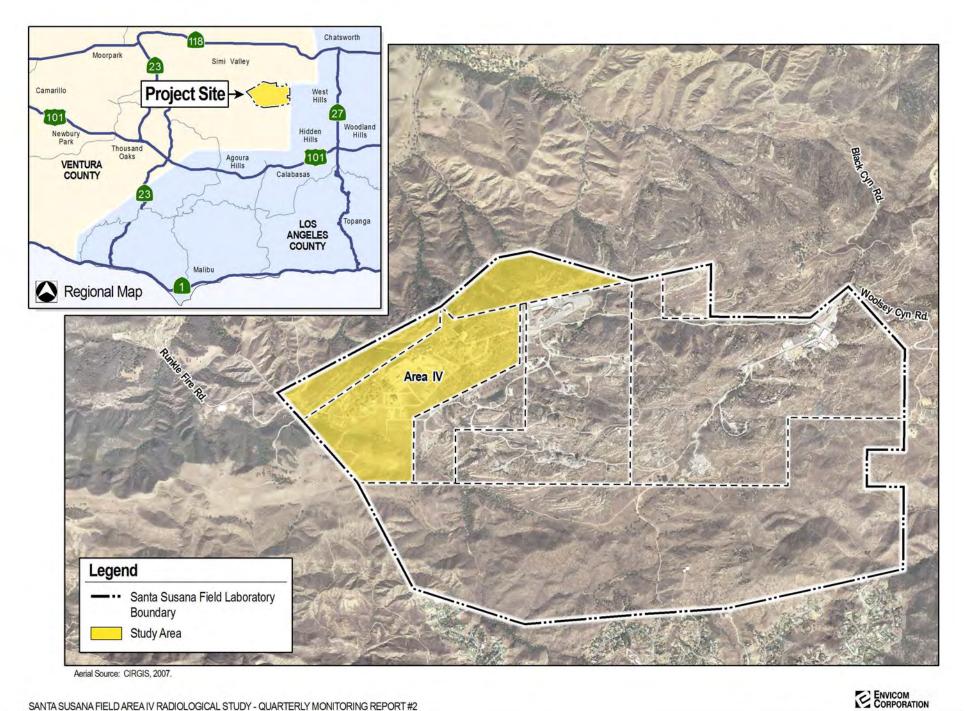
VC – vegetation cutting

SWSS – surface water/sediment sampling

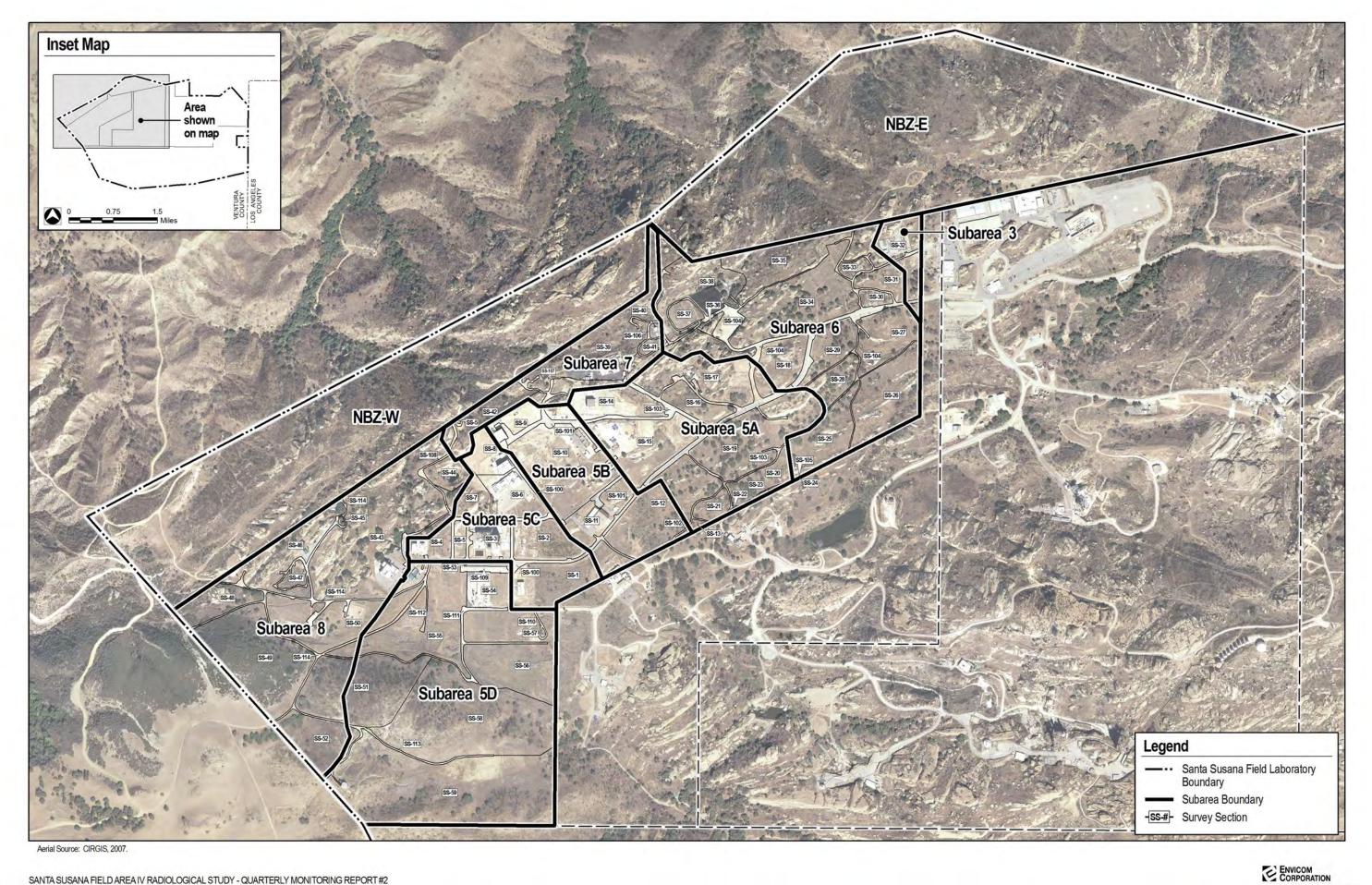
Issues Encountered and Adaptive Management

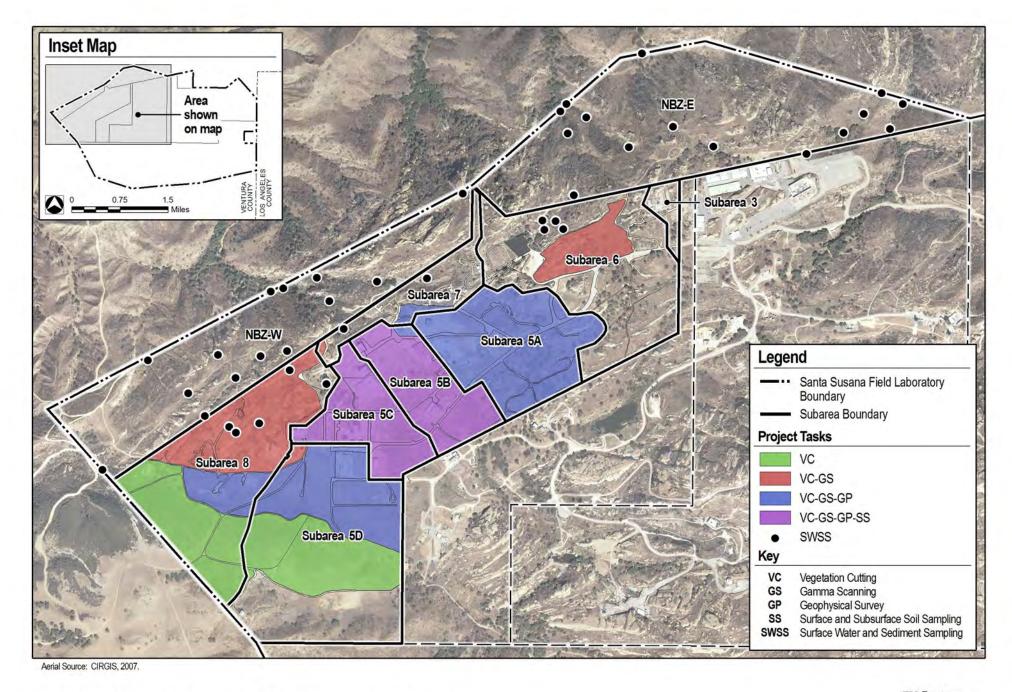
To date there have been no issues with implementing the terms, conditions, AMMs, or other protective measures required by USFWS in the Biological Opinion. At this time we have no recommendations for modifying the terms and conditions to enhance the protection of Federal-listed and State-Listed/Sensitive species.

QUARTERLY BIOLOGICAL MONITORING REPORT #2
JANUARY 22, 2011
Figures

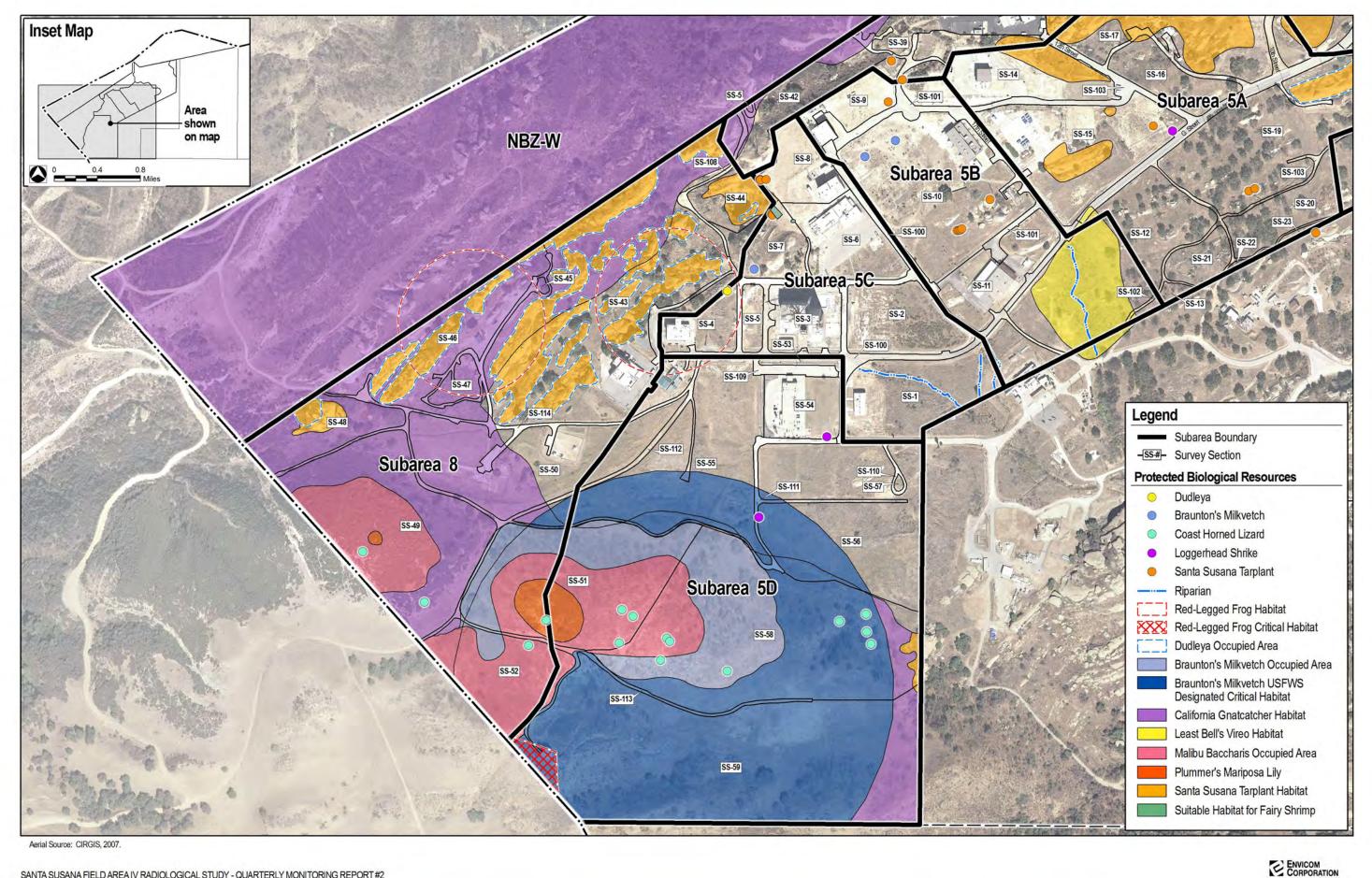




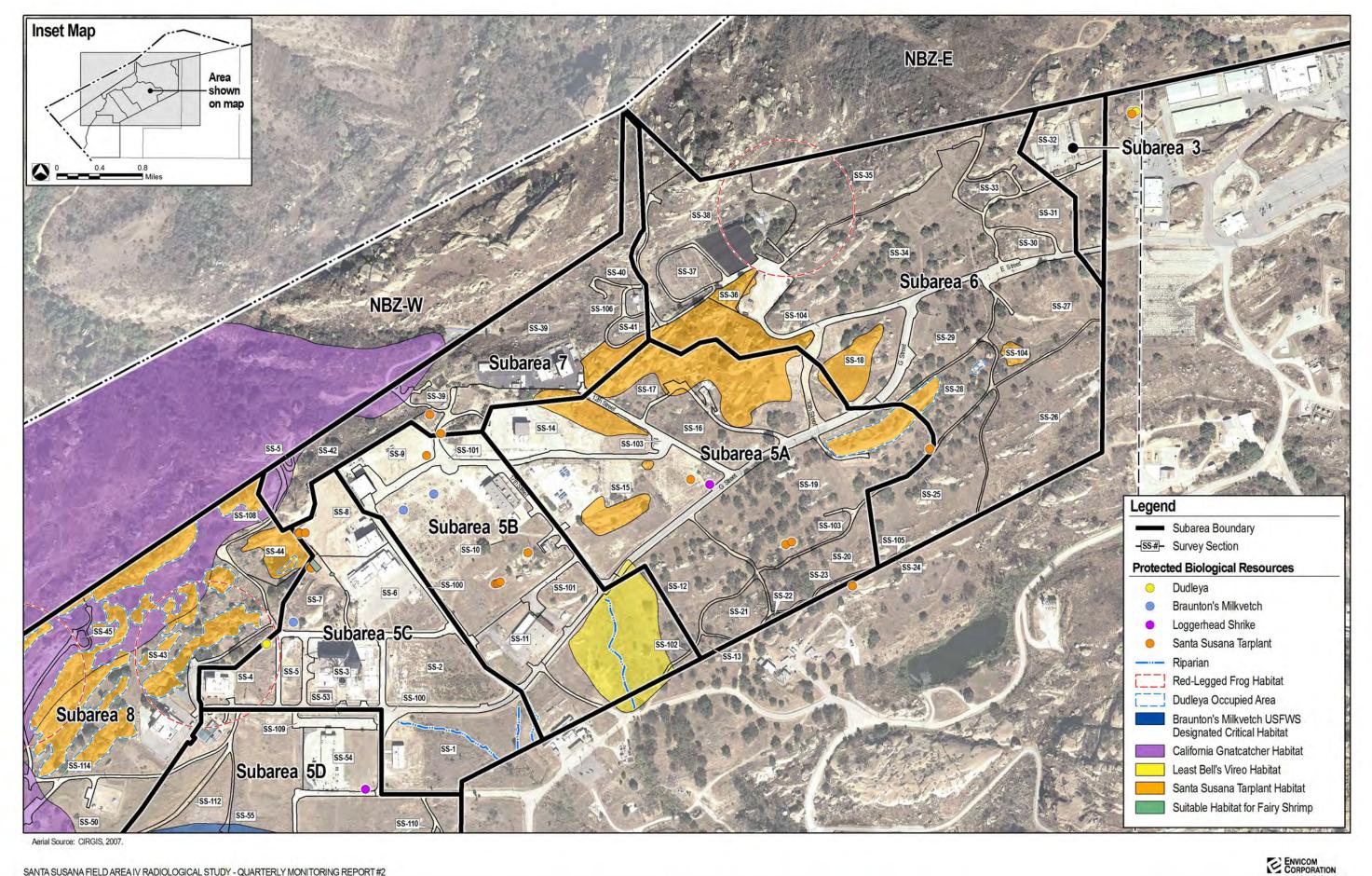


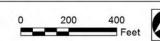


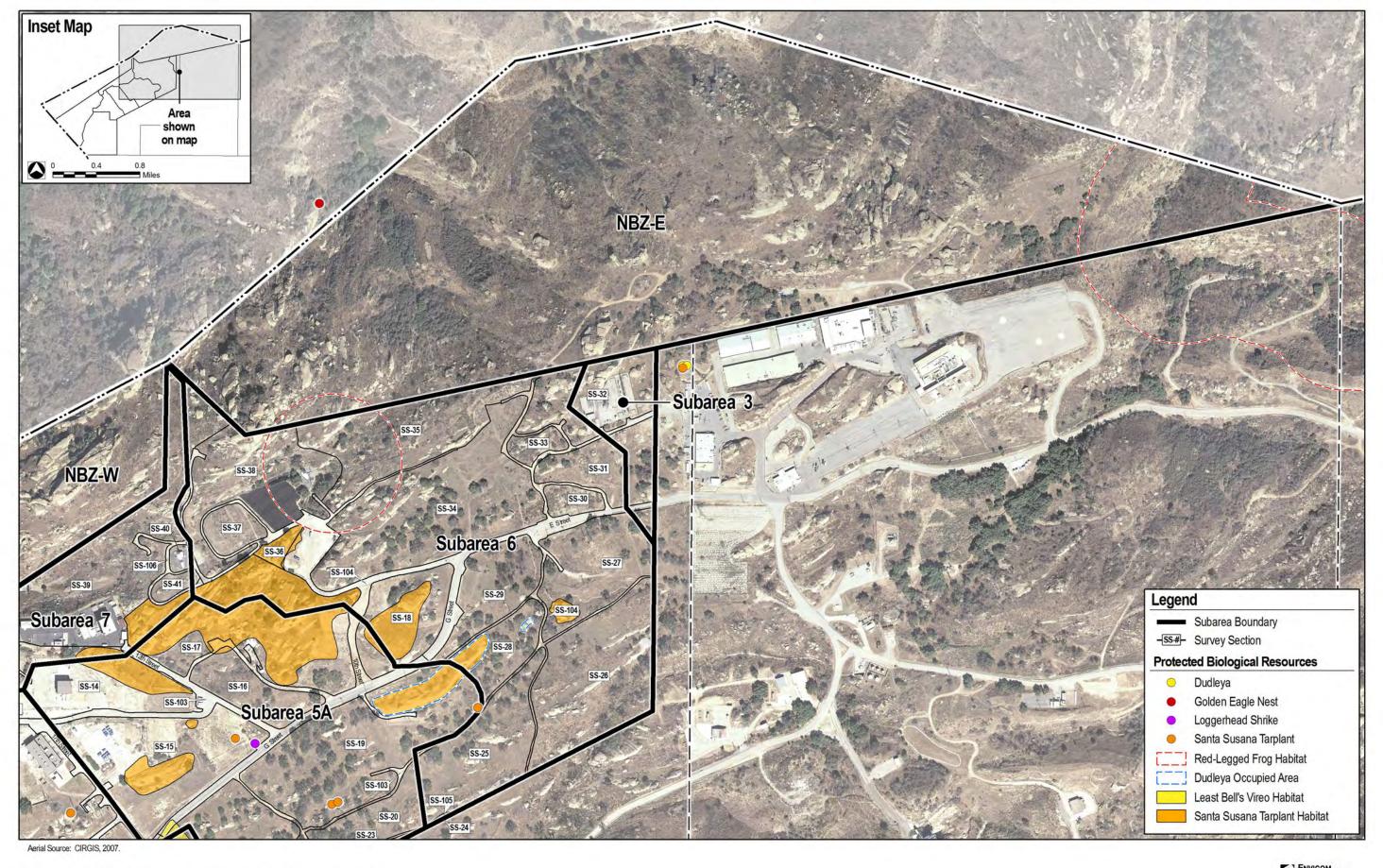
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QUARTERLY BIOL	LOGICAL MONITORING REPORT #2 JANUARY 22, 2011
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Photo Plates	
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Plate 1A – Vegetation cutting in progress in SS-58 (Subarea 5D), with marked Braunton's milkvetch and Malibu baccharis.



Plate 1B - Skid steer with mower attachment cutting vegetation in SS-49 (Subarea 8).

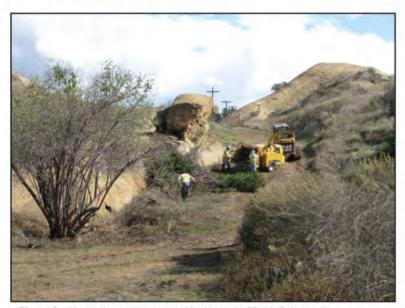


Plate 1C - Vegetation cutting crew with chipper in SS-43 (Subarea 8).



Plate 1D - Front-loading tractor used for the removal of poison oak branches.





Plate 2A - ERGS vehicle conducting gamma scanning in SS-56 (Subarea 5D).



Plate 2B - Gamma scanning with mule-mounted scanner in SS-12 (Subarea 5B).



Plate 2C - Geophysical surveys in SS-12 (Subarea 5B).



Plate 2D - Soil sampling crew with truck-mounted auger in SS-10 (Subarea 5B).





Plate 3A - Sediment sampling (SWSS) crew working in NBZ.



Plate 3B – SS-52 (Subarea 8) during vegetation cutting activities, with Braunton's milkvetch plants in foreground.



Plate 3C – Braunton's milkvetch marked with flagging tape after vegetation cutting in SS-58 (Subarea 5D).



Plate 3D – The larger of two vernal pools containing unidentified fairy shrimp in SS-12 (Subarea 5C).





Plate 4A – View of the second pool in SS-7 (Subarea 5C containing unidentified fairy shrimp,nearly dry after heavy rainfall received in December 2010.



Plate 4B – Malibu baccharis marked with flagging tape after vegetation cutting in SS-58 (Subarea 5D), with chaparral yucca.



Plate 4C - Juvenile coast horned lizard found at SS-58 (Subarea 5D).



Plate 4D - Adult coast horned lizard found at SS-58 (Subarea 5D).



	QUARTERLY BIOLOGICAL MONITORING REPORT #2
	JANUARY 22, 2011
ATTACH	IMENT 1
BIOLOGICAL CLEARA	NCE SURVEY FORMS
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Date: 10/11/10

Sheet 1 of 1

BIOLOGICAL RESOURCE CLEARANCE SURVEY FORM

Work Area: 6-34 (Soil Moisture Test Area)

SURVEYS PERFORMED

ID	Survey Type /	/ Biologist	Expiration
7	Special-status spaces	1 J. Anderson	Feb 15, 2011
	Suitable habitat/		/
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
	\ /		

SURVEY FINDINGS

ID	Protected Resources	Flagged (Y/N)	Applicable Avoidance and Minimization Measures
1	Coast live onks		Avoid or trim lower branches Egenty
			Vatra County out fice or climance
			Vocation Margener Mutuculs
	·		Nocelation Margenes Introcals
			in Ito (smp.

MOTES AND RECOMMENDATIONS: 6 Ver Grand of the days,	
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for soil misture testing and cal bration of soil	
moisture test equipment.	
	<u> </u>
· Munitur required for vegetation charance, Potential	occurrence
of COFF Preact) Spenal Concer coast horned wanted and	coast
watch used snake, particularly in chapanal areas and	resite.
- Arond coast live oak over 3" dbh (draweter at breat hough	t) on
trum lines branches.	
	٥
· Requested cultury of veretation to base. This is geren	Malole
In this area, if necimary.	
· Dead oak thees may be cut.	
Biologist Signature: Date: Date: Date: 10/	/11/10
Diologist digitation.	, l,
HGL Field Supervisor Signature: Mah Jul L Date: 10/	11/10
TIOD FINITE Supervisor Signatures.	

Work Area:

SURVEYS PERFORMED

ID	Survey Type	Biologist	Expiration
1	Special-status species,	J. Anderson	MH21, 2011
	I surlable habitat		

SURVEY FINDINGS

ID	Protected Resources	Flagged	Applicable Avoidance and Minimization Measures
-	Experience of	7 (Y/N)	
1	Santa Susara Handlow	4.4	VC-10; GS-5
1	Dudleya So.	Yt	Vc-9, Gs-1
1	Diversed frees	Λ/	SNIP Via Management Motocols pertain
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	eldeiberry)		grude lines
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	Maparat V		Verified abstract of Siccientialso outsil
1	100-189500 hos habila		VC-5:65-4:66 N-11 BC
1	ES AND RECOMMENDATION	Ps Ale	1 500, Cur
TO	ES AND RECOMMENDATION	<u> </u>	u

HGL Field Supervisor Signature

Continuing,

Santa Susana Field Laboratory Area IV And NBZ Radiological Study US EPA Region 9

Work Area: 8 - 44

SURVEYS PERFORMED

ΙD	Survey Type	Biologist	Expiration	
1/	Suitable hablat and	J. Anderson	Mar1, 2011	
-	speaaf-status species			

SURVEY FINDINGS

ID	Protected Resources	Flagged (Y/N)	Applicable Avoidance and Minimization Measures
1	Santa Susana tam	at YA	VC-10;65-5
//	Dudlena 50	VA	VC-9
1	Coast live bak =	1/	OMN Vigetation Manusament Protoc
£	blue elderberry		Derfaining to nutected trees ar
			Ventura Co. tree trimming
			Andelines. Blue olde
D	Alst all modified unt	· Marc	sed.

Gride Time Co. 15tue clots	
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American montons.	
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butches but a few occur in flat termerly	
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snake, and disent insordinat	
Also Marian Commission of the	
HO MONITURINO REQUIREMENTS:	
Vocatation Marance	
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and individual in officted species will protect hand scanning ex	
21 th buffer of	nay_
and the there of a first and the state of the avoided and impacts of the production of the avoided and impacts of the avoided and impacts of the avoided Date: 10/18/10	scour
71 000 Voad 10 18 10	
Biologist Signature: Date: Date: Date:	
HGL Field Supervisor Signature: Moderan month before Date: 10/19/10	
HGL Field Supervisor Signature: 12 to the continuing.	

Date:	14/11	
		

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Sheet	<i>1.</i>	•	of		٠.

Work Area: 55-46 (5456,64 8)

SURVEYS PERFORMED

ID	Survey Type	Biologist	Expiration
1	Protected bisles cal resources	South Warner	2/15/11
	_ 100 1 =		

SURVEY FINDINGS

ID	Protected Resources	Flagged (Y/N)	Applicable Avoidance and Minimization Measures
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	and riparion habitat		VC-5- Hanteuting only within 300 ft suffer, "pa
62.	Santa Susana toinant		VC-10: monitory (65-5 : manitor atc.
(3)	Protect trees looks elebour	3) N	All tices greater to 3" dish must not be cut
(H)	Durling Sp.	4	VC-90 E Make Cate Make the last of the second of the secon
(5)	Novious wends misont	N	GEN 3. Class VC aguine to after cathing
(6)	Histor for state protected some	5 10	Months required for VC

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(1) CALF habital and 300 four buffer. No moving (hand toils only) for VC within
ZOU CIT LUCKE OF LARD COLLINGE SUS IN ON NE SINE of 55-46. WATE DISSENT SUT
on's People choirs figs (Papanacies visilla) & delected
ranna ann Marain agus ann a' Ghear aige ag an an ann an an ag an Gibhrachta a <u>l ann an Litheach ai</u> ti
(2) Arrax 90 Santa Sissen tarplants on 55-46. Most have been Hagged - many
ore inaccessible on sandstone out cops.
(3) Follow Vertice longer transing and olives for ode and elder severy transing.
(4) Most Dudlegs are located in inaccessible rodre victing locations and many house been
flocard when impacts are possible. Est# = 60.
(5) Most noxins weeds are located along s and E bound of plots where road disturbances
are present. Peromissioned that these areas are trained with 5546 and
which also has weedin species.
(G) Suitable habitat pieces for roast home & lizard Sa- Diego descri woodeal.
Calif haloss lacid coust politicosof space.
Month, required for all actions, although moniter may not be required at all times,
will be up to discord ut the number.
Biologist Signature: Ath A Date: /////
Biologist Signature: Date: /////
HGL Field Supervisor Signature: 1/4/11 Date: 1/4/11

stated boundary, Bislogistal monitor required for quidar a for all project activities within /this area. [Buffer surpounds lined catchment busin in NE side of SS-46.) 2) Noxious useds Centaurea meltins of followers prenuclohal and milk this of (Silvium majorium) require indementation of GEN-3: "Equipment should the connect before moving into notional areas to prevent the spread of these weeds. (Applies to VC equipment only.) SS-47 is a small stand of wyote lough south, with an understood of grasses		Work Area:	55-4-	7 (Subarea 8)	
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weeds species menthand above, and alous coverage of black sage ratifornia state		spread of these weeds	· 1/+0010	os to VC agripmant Unit.)	
weeder species menthand above, and alour course of black some california state	SS	5-47 is a small stand of	coyote 1	loush sound, with an work	risting & grasses
and Caltornia encelia.	we	eden species menthod abou	me and	alour coverage of black so	se ralitornia sager
	Q;	d' Caltornia encella.	<u> </u>	<i>U</i>	
	7	Young ooks bail clearly been	A DIGNICO	A ANY DYONG NOT BY LA	

Biologist Signature:

HGL Field Supervisor Signature: ______

Work Area: 8-48

SURVEYS PERFORMED

ΙĎ	Survey Type	Biologist	Expiration
\overline{I}	Spenalistatus species and	J. Anderson	MAR21, 2011
	Suitable habitat		

SURVEY FINDINGS

		777	1 11 A 13 A 13 A 13 A 14 A 14 A 14 A 14
ID	Protected Resources	Flagged	Applicable Avoidance and Minimization Measures
		(Y/N)	
	Santa Susana tayi'm	- Yt	VC-10; 65-5
	Dudleya SD.	Y#	VC-9; G-5-1
1	Protected trees	N	SMP Ve Management Protuculs pertaining
,	(coartine oak, walnut,		to trees: Ventura Co, tree tramming
,	Plula la man		gudelines
1	Coasta? Calif grat	apple M	GENS (protocol suneys have venjue
	habitat "		Species absence - Currently outsile 11t str
/-	M. backaris	₩	A the species to
A	Notall individuals	Hagged	1. Recommend protect very large Manzanta & toyon b/c.
NOT.	ES AND RECOMMENDATION	<u>NS:</u>	large manzanta & toyon b/c.
- 5	anta Susana tayulan	nts an	d exemplany specimen
7	Judleya 511 along	South	most northwest humandary and
5	avviewed standstor	c ont	cmy s,
ŧ		<u> </u>	
° 100	tental for occumen	ce of	State Frenes d), Specal Concern
	sait hirned liquid.	Coart	patch model snake, desert involvat.
0 5	rall extremeral dran	nages "	- section not purisdictional dinit
	apport manan Vo	<u> </u>	aquatre wildlitte
7 <u>-12-</u>	Bacchans not obser	ved hi	of Expector to a commental
_	INSIVITURING REDUREMI		
<u> </u>	111 vecetation cutting)	Ct Lilly D'y Distantial Magnetical
<u> </u>	Samua Starning unti	ml 25	-ft buffer of protected resources
(hard scanning except	- ol -	of rete) montar roquired it vehicles use
	officer actualism 1 Soul, g	ex mysi	ennices cannt be avided.
	G-ruad or if protes		esurces carnt le avoided.
			, .
			•
)
D: 1	and a second	;	Date: (6/19/10
Riolo	egist Signature:	0 1	Date
TIOI	Field Companies Signatures	MALL	Date: 10/19/10
HGL	Field Supervisor Signature:	· I MOUNT	Date

Work Area: 8-48

SURVEYS PERFORMED

ΙD	Survey Type	Biologist	Expiration
1	Special-status species and	J. Anderson	MAR 1, 2011
, '	Sustable habitat		

SURVEY FINDINGS

ID	Protected Resources	Flagged (Y/N)	Applicable Avoidance and Minimization Measures	
	Malibu bacchans	\mathcal{N}	April speacs; 65-1	
1	Calochortus sp.	N	Avoid Species, GS-1	
1	Divtected trees	N	Sip Vecelation Management Divorals	
	(coast live oaks,		Dertaining to frees, Ventura Co.	
	inalnuts; elderhernes)		tree trimining suidelines	
1	Coastal California	N	SEN-8 (implemented parties there year	
7	grateatcher habitat		Motoral stineys verified absence of	uvent
	V		Frences and also outside Mestry section	

NOTES AND RECOMMENDATIONS:

Note in the beachards apparently common and likely

A is the beachards apparently common and likely

A is the beachards apparently common and likely

Size individuals were flassed along marrians of the apparent

but design of the warnal wakes flasses in backbands

Limital design of the warnal wakes flasses in the control warner of the area of the grand of the control warner of the control warner of the control of the cont

	1.					
Date: _	2/15/10			S	heet of	1_

BIOLOGICAL	RESOURCE	CLEARANCE	SURVEY FORM
	TELLO CITOR	CHARLETT CA	

Work Area:	Suba	1ea 8	- 55	50	

SURVEYS PERFORMED

ID	Survey Type	Biologist	Expiration
7	Special status species and suitable habit	a Scott Weine	3/1/2011

SURVEY FINDINGS

ID	Protected Resources	Flagged (Y/N)	Applicable Avoidance and Minimization Measures
1	Pistocol trees	N	SMP Vogetation Management Portocols
	(coast live onlis warnts		Dortamon to trees. Ventura (o. Tree
	doubernes)	**	Timm Cuidelines
		5.1	
l			

NOTES AND RECOMMENDATIONS:
NOTES AND RECOMMENDATIONS.
Arra unstrated annual grassland anound old building
toundations with parine of name trees they have exceptive
foundations with patiens of native trees (coest live ock blue elderberry, 5: Calturns black walnut) and shows (California pacelia, coyate brush black
sage Californe Sage Linsh.
Italian thistle (cardius py inverptulus) and tocalote (centaurea melitens.s)
a to the control of t
1-> Implement GEN-3: yegetation tooks should be cleaned before entering
natural habitat arras after working in SS-50.
15/101
Biologist Signature: Date: 12/15/10
A MARINE MARINE
HGL Field Supervisor Signature: <u>Au Wan Nolbert Idaman</u> Date: 12/15/10

Work Area: 8-52

SURVEYS PERFORMED

ΙD	Survey Type	Biologist	Expiration
1	Special-status Spocies and	J. Anderson	MAR 1, 2011
· · ·	Suitable habitat		
· · ·			

SURVEY FINDINGS

	Protected Resources	Flagged (Y/N)	Applicable Avoidance and Minimization Measures
1	Braunton's milkvelth	VA	VC-3:65-1
1	Malibio harchans	YA	Avoid impacts to species
1	Intected trees	<u> </u>	HGC-smp Veg Management Protocols
	(coast live Gak.		pertaining to thees! Ventura Co
	walnut, elderberry)	tree trimming guidelines
/	Coastal Calif.	<u> </u>	GFN-8 (insternated Parties to
1	anateatcher habita	<u> </u>	year - verified asserve of snow
	0		VAISO outside nesture season cum
4	Not all individuals	Hassed	1. so no potental impact.
TOL	ES AND RECOMMENDATIO	NS:	그러는 사람들은 아이들은 사람들이 아니라 사람들이 가지 않는데 다른데 없었다.
1	ons of Braunto	n's M	Ikvetil and M. Baccharis in
50	Front. Many Ho	sced 1	The solution of the transfer
M	unitor unll Itlua	in	advance of vescathing cree
		A 10	
	blential occurrer	nce J	7 Calif State Spaces of Concer
		nce J	7 Calif State Spaces of Concer
	blential occurrer	nce J	7 Calif State Spaces of Concer
Ý	ofential occurrent Coant heried li	gard C	7 Calif State Spaces of Concer and coast patch used snat
No.	ofertial occurrer Coart herned II	Tand C	2 Calif State Sixces of Conser and coast patch used snat-
Vo,	otential occurrent Coast herned In NITURING REQUIRED	FNTS /	2 Calif State Sixces of Conser Carel Coast patch used snat- in SECTION:
No.	ofertial occurrer Coart herned IT NITURING REQUIRETTO II VEGETATION CONTE	FNTS /	W SECTION: Wither WI execution OR hard Scar
No.	ofertial occurrer Coart herned IT NITURING REQUIRETTO II VEGETATION CONTE	FNTS /	W SECTION: Wither WI execution OR hard Scar
No.	ofertial occurrer Coart herned IT NITURING REQUIRETTO II VEGETATION CONTE	FNTS /	W SECTION: Wither WI execution OR hard Scar
Mo,	NITURING REDURETION NITURING REDURETION NITURING REDURETION NOTORING NOT	FNTS / rs act / Soul	MSECTION: SECTION: Wither Wexception of hard scar Sampling if were to involve and or Jif occurred are source at occurred are particularly the
Mo,	NITURING REDURENT NITURING REDURENT II Vegetation catholicanna scanning confusional Singers co sh Vehicles Morrigan of he air	FNTS / VS act / Soul	WSECTION: WSECTION: Wither Wexception of Navd Scar Sampling if were to involve and or Jif occionate are a comment The occupied are a comment of the Would consider the more The occupied are a comment of the Would consider the more
Mo,	NITURING REDURETION NITURING REDURETION NITURING REDURETION NOTORING NOT	FNTS / VS act / Soul	WSECTION: WSECTION: Wither Wexception of Navd Scar Sampling if were to involve and or Jif occionate are a comment The occupied are a comment of the Would consider the more The occupied are a comment of the Would consider the more
Mo,	NITURING REDURENT NITURING REDURENT II Vegetation catholicanna scanning confusional Singers co sh Vehicles Morrigan of he air	FNTS / VS act / Soul	WSECTION: WSECTION: Wither Wexception of Navd Scar Sampling if were to involve and or Jif occionate are a comment The occupied are a comment of the Would consider the more The occupied are a comment of the Would consider the more
Mo,	NITURING REDURENT NITURING REDURENT II Vegetation catholicanna scanning confusional Singers co sh Vehicles Morrigan of he air	FNTS / VS act / Soul	Calif State Sizecies of Concertant Coast patch noted frat- wites intro Wexception of hard scar Sampling if were as insolve all of Jif occlosion are a consolve result, considered his mon
Monday G	NITURING REDURENT NITURING REDURENT II Vegetation catholicanna scanning confusional Singers co sh Vehicles Morrigan of he air	FNTS / VS act / Soul	WSECTION: WSECTION: Wither Wexception of Navd Scar Sampling if were to involve and or Jif occionate are a comment The occupied are a comment of the Would consider the more The occupied are a comment of the Would consider the more
Mo, A, G, G, G, L,	ofential occurrent Coast herned In NITURING REQUIRED IN VEGETATION CONTINUES Confusional Singers co st Vehicles Confusional Singers Co st Vehicles Chore continues	FNTS / VS act / Soul	Calif State Sizecies of Concertant Coast patch noted frat- wites intro Wexception of hard scar Sampling if were as insolve all of Jif occlosion are a consolve result, considered his mon

BIOLOGICAL RESOURCE CLEARANCE SURVEY FORM

Work Area:	8-108	

SURVEYS PERFORMED

ΙĎ	Survey Type	Biologist	Expiration
7	Special-status species	J. Anderson	Duration
-(AND Suitable habitat		project
	N V 0 3000 P 10		, ,

SURVEY FINDINGS

ID	Protected Resources	Flagged (Y/N)	Applicable Avoidance and Minimization Measures
	NONE FOUND		
: .			
			

NOTES AND RECOMMENDATIONS:		
Graded, univaved roadhed.		<u> </u>
Mr intested resources tound	· However	Santa Susan
tavillante due over direct	is adjacent	to road hea
in neich voting sections.		
No bio monitor required. H		
		10/06/
Biologist Signature:	Date:	10/18/10
Biologist Signature		1
HGL Field Supervisor Signature: The Mid Mark	Date:	10/19/10
HOL Fleid Supervisor Signature. 18-1 Par March		

			ORING REPORT #2 JANUARY 22, 2011
	CHMENT 2		
BIOLOGICAL MO	ONITORING FO	DRMS	

Date:	10/1/10	

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Sheet		of	٠

BIOLOGICAL RESOURCE MONITORING FORM

ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment	
1	745-1000	5B-12	☑ VC ☐ GS ☐ GP ☐ SS ☐ MWS ☐ SWSS	Chain sans; wo I wlimper:	A COM CA
12	10011-230	50-28	☑ VC □ G\$ □ GP □ SS □ MWS □ SWSS	The state of the s	+0 -15.
	71300 2		$\square VC \square GS \square GP \square SS \square MWS \square SWSS$		CANT.
			□ VC □ GS □ GP □ SS □ MWS □ SWSS		
			□ VC □ GS □ GP □ \$Ş □ MWS □ SWSS		

1 Pytheman drawing 12 P	Hecton Measures By wars yestera Co.	Trinairs orly, no cuting
	3 ware Siret Tour 60	
	Tordinar de	cut only,
1 Blue elderleny 12	mmans	Louist, Intral towardos
Enutrather Scatable 8	ntocal survey S with gotsicle Nestra	souson New impacts
2 millerelate habitat drea	, VC-3	Spence avoidos. No importo
OTES AND RECOMMENDATIONS:	ofocols; Ventura to, tree ordinare frimming studeline	lower, lateral branches
50-58 within constal Culi	turna gnatrat	tcher suitable habitat
Veg cutting outside vertice	tus in illay	Verted Soutcatcher
Vaborce - No potental 1	insact.	U U
50.58 william Braciotom	s milkvelde	critical habitat
area. Monitor sundane	d Graniku	etd in a varie of
Charles that the the	VIAN S PARSON	
Ambrided trees trained per	Ventura 100	nty tree odinance.
anaplines -		
U	· · · · · · · · · · · · · · · · · · ·	al and leaver a David Store
There are very ten than	hules # Com	ancer slope S an European
v 50-50, hill view into	TO CANAL TO THE TANK OF THE TA	1/2 06 50 012
Biologist Signature:		Date: /0 / 7 //0
HGL Field Supervisor Signature:	Samo est	Date: 16/2/20

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

Date: _	10/8/10	
_		

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sneei	<u> </u>	0j	<u>-</u>

ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
7	815-930	33	☑ VC □ GS □ GP □ SS □ MWS □ SWSS	Chain saws: wood Whampex
20	170. 2.30	50-55	□VC □GS □GP □SS □MWS □SWSS	11 Divar hand tools; thingsen
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
180	Coast live oalk	33	Avoided	No impacts
2	Brann tons Crtim	58	14-3	No impacts
2		58	otado notre	No imjocts
2	protected trees	58	Veg harage pert	Undo stry branches
	Eldirlemy)		Ver Co trée vin	

NOTES AND RECOMMENDATIONS:	
Sevaal Braunton's millovelde encounters	d no import,
	*
proposal surers verifed above of coas	I'm Calif grateatche
also veg cutting entire et pestre sea	Ton ho potential ing
- N-an used money on lower shines	to whim (withres -
Exercises as exempled due to only 2 m	Mureld over ladge
adon recorded are willeretch will	ter huller Allo
alow. Regnetted give millerette mile Gudral Slove Pers protestral En moner	to trave un you and
Pane provided	<u> </u>
^	
	Date: /0 /8 /10
Biologist Signature:	Date: / / /
	•
HGL Field Supervisor Signature: Man John State Supervisor Signature:	Date: 16 - 8 - 16
City O Field of section Area IV And ND7 Dadie	alaminal Study

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

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BIOLOGICAL RESOURCE MONITORING FORM

ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment	
1	730-930	10-34	☑ VC □ GS □ GP □ SS □ MWS □ SWSS	Chain saws, weed wheneves,	
)	□ VC □ GS □ GP □ SS □ MWS □ SWSS	Tomers, when hand tools	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	table w mover a lachne	تسدح
2	920-230	50-59	☑VC □GS □GP □SS □MWS □SWSS	VI but faite ul	AJJ.
	1 2 2		□ VC □ GS □ GP □ SS □ MWS □ SWSS	money used for chapping on	ly
		<u> </u>	CC C C C C C C C C C C C C C C C C C C	Communication of Control Communication	J

* VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

MONITORING RESULTS

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
1	(uast live oaks		Avoided	No impacts.
3	grateal cher suitable	5D-53	GEN-8	No impacts
		20-28		No impracts
2	Protected trees.	57-58	Montara Co Iree	time only.
08	be l'elderberry	37-02	avanace minn Avoided	Wes impracts

	vitable
NOTES AND RECOMMENDATIONS:	Ulfava
No potestial insocts as protocole surveys confected scatter in year to venty along also color surveys	habitat.
No outstail insacts as protocols surveys	have been
are tell earlier in year to ventur aloes	ic a) contion
also autick matral der nestive season	
several Braunton milliveld excounte	nd in 50-5.8
as well as a few Molile backaris -	Avadod-No in
on take.	
Biologist Signature:	Date: /> / 1/ / / 2
Biologist Signature: XVV ⁴ V	Date.
HGL Field Supervisor Signature: Mah Musa	Date: 10/11/10
Santa Susana Field Laboratory Area IV And NRZ Radiologic	ool Study
Nonta Nicana Bielo i anoratory Area IV And N.D./. Kadicillyte	

US EPA Region 9

ACTIVITIES MONITORED

3224

ID	Time	Area	Activities Monitored*	Equipment
/	300	50-59		
	, , , , , , , , , , , , , , , , , , , ,		□ VC □ GS □ GP □ SS □ MWS □ SWSS	
		· · · · · · · · ·	□ VC □ GS □ GP □ SS □ MWS □ SWSS	tor chipping.
		·	□ VC □ GS □ GP □ SS □ MWS □ SWSS	
. 		-\	□ VC □ GS □ GP □ SS □ MWS □ SWSS	

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts	
1	Bracinton's ontral milkretch habitat			1 Brawfors milkvetch Cut V	!*
1	Grateather Habla	e 50-58	GEN-8	No impact	
1	Projected trees liever	-1 50-56	Vertura Co.	Lower, Ideal Granches	
/	Nalibu bacchans	50-58	Avoided Avoided	No ingracts	

NOTES AND RECOMMENDATIONS:
ves cutting Outs de Dr. grad catcher nestres senson so no
was cultural outside In snalsatchen nestrice seison so no
10 mars 1 - 12 mars 1721 T
Sove al Brain for of avoiding and identifing plants that were not tagged. One of Brain four milkvetch accidentally but to
Hassed. One A Brain four milkveld accidentally but to
Hagged a Dire to Brain tour malkvetch accidentally and to
FRIERLENING DESCREEN DER. REquist ut Nature American monitor.
10111111
The area were the move of the
at 12 was to the contract of the Change in Contract of Change
hantsvary of chapter inthis wieming of projected plants.
// //
Biologist Signature: Date:
Biologist Signature: Date:
Date: 10/12/16
HGL Field Supervisor Signature: Oktober Millian Date: 16/19/12
Sonto Susana Field Laboratory Area IV And NRZ Radiological Study

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

		1	
Date:	0	17	10
Duve.	``		

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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment	÷ ₁ ,
T	0800-1500	55-58		mower week whather, longers. d	ahsow,
		22-15	□ VC ☑ GS □ GP □ SS □ MWS □ SWSS	1 1 1	fout-lock
	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>		□ VC □ GS □ GP □ SS □ MWS □ SWSS		
			□ VC □ GS □ GP □ SS □ MWS □ SWSS		ing tructor
-			□ VC □ GS □ GP □ SS □ MWS □ SWSS]

* VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

MONITORING RESULTS

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
1	Br. millevetch	55-556	VC1, VC2, VC3, GDM	All plants avided
1	Malilly backers	SS-5%	vcl, vcz	All plants avoided
1	Calf grot catcher habitat	53-58	GENS JET, VCZ	History grality reduced
2	LBV/Rigarian area	55-58	GEN9, APPN	None (NOA-sismificant hout prints)
			•	

NOTES AND RECOMMENDATIONS:

VC crows worked S-central portion of SS-58. Some elderberry Mr septings left intact
and stop Andre American Monitor
MA AL A MALA WILL AND A AL VICE
- Chi cer must be on tend gound which is scare on this 55. So mower is crushing
some brush pilos instead.
501.6 6100 111
(5) on SSIZ performed IN/O monitor until last 15 mins before completion
Annewaix N was required months for ALL work conducted within a pay an
over 5. Uncatistactory adherence to this measure by Hoyamo Significan
Imports though.
TANDO 1 / INO MAIL
Date: 10/13/10
Biologist Signature: Date: 14
Biologist Signature: Date: 10/13/10 HGL Field Supervisor Signature: Moldman Date: 10/13/10
HGL Field Supervisor Signature: /K/ Jol Alban Date: 10/15/10
$oldsymbol{\cdot}$

Date:	10	11:4	110	
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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
	0830,1520	55-58	□ VC □ GS □ GP □ SS □ MWS □ SWSS	MANUEL SELLING VINE CONTRACTOR
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	The state of the s
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	

MONITORING RESULTS

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
anne para	Be wilk veteb	55-58	GENY VELVO VES	All plants avoiled
	Maliku baccharis		Vervez	-5 plants logichaway (Hecky yes
	Call gnatestakes habit	a 55.57	GEN8, VCZ	Habit god by reduced
	Gast horned baid	SS 5%	Ma (relocated off site)	Unharmed relocated (1 adult)

NOTES AND RECOMMENDATIONS:

LM VC can contain coaring on burned chapters I foultweet & I Mid. backers haste
of 38 52 Additional unlingary plants Hage I by Williams
Myperonally 5 Marky houser's lost to used whicher (not flagged) and the
<u> </u>
About the horned heard found unhained on brushed area (UTM 3420755,
STONE THE RELOCATION TO WAS INSTITUTED SE COLOR OF SS-COS ST VITA
24220A 33344405N
Locastrad shile observed humas is in 55-56.
Cooper's house seen Soulismy in 55-55.
and the second of the second o
Biologist Signature: Date: 10/14/10
HGL Field Supervisor Signature: Date:
. Daic.

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

Date:	10/	15/10	
	-	• 7	

NOTES AND RECOMMENDATIONS:

HGL Field Supervisor Signature:



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Sheet _	<u>'</u> of	

BIOLOGICAL RESOURCE MONITORING FORM

ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
1	0500-1500	25-5 <u>8</u>	☑VC □GS □GP □SS □MWS □SWSS<	luppers chainsaw, weed whackers
2	1590-1520	SS-12	□ VC □ GS ☑ GP □ SS □ MWS □ SWSS,	skilster of fork and mower
-		,	\square VC \square GS \square GP \square SS \square MWS \square SWSS\	attachments
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	\
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	pedestrans, magnaturater

MONITORING RESULTS

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
1	Br. Millotch	55-58	GENY, VCI, VCZ, VC3	All plants avoided
1	Malibu bachais	55-58	VC1,VC2	4 plants heavily trimmed, inadverten
1	Calif gnatchthar habitat	SS-58	GENB, VCZ	Habitat quality reduced
2	Ripaier area	35-12	Praice putetion	None

LDI VC Craw continuing to clocy restation in burned (housed /milkyetd/Mahr beccharge hobitat). Additional conflosed plants flogged by biologist. About 4 Mallin Lacihoris cut way back inadvertent (not flagged) adjacent to 55-51. Albort 4 Mallin Lacihoris cut way back inadvertent (not flagged) adjacent to 55-51. There books are fut M: 342022E 3768555 N. Large rather scale removed from this part also! 1500-1520 birethy martered Joe Parist and Cliff Knight's crows in rightion area at 55-12. No inparts, I advised them to avail impathing registation and banks at steam trated of using dispers, LDI is retrieved brush from millowed area by hand and of total affectment on tank, the transporting brush to road, then chipping crushing we mouser affectment (which is all satisfactors). LDI = excellent lob of avoiding posterial plants, over unflagged ones. Date: 1/15/10

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment	
1	080-1300	35-58		logners chainsaw weed who does	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	skill ster wiffork and mower at	ahmut
			□ VC □ GS □ GP □ SS □ MWS □ SWSS		
		:	□ VC □ GS □ GP □ SS □ MWS □ SWSS		
			□ VC □ GS □ GP □ SS □ MWS □ SWSS		

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
	Br. milkuetch	SS- 58	GENY, VCI, VCZ, VC3	I plant damaged
	Malibu bachads	55-58		4 plants inadvertently, tunned
	Calif. gnateather habitat	55-58	GEN8, VCZ	Habitat quality reduced.
				See .

사람은 항공들 교회의 교통 전 비를 보았다고 있다고 있다면 가장 사람들이 들어 살아지지 않는데 하시고 있다.
NOTES AND RECOMMENDATIONS:
LDI VC arew within you clearing on too of hill in milkvetal / Saucha, s area.
IN love excellent tot of awdin militarity and backers, from untigged indivinds
LDI continue to crush brush after removing it from sensitive area (which is okay).
1 W mo wer
구르아 그렇지만 되는 것으로 가장하다 하다. 그는 아이들이 하는 사람들이 가득하는 것이 되는 것이 되었다면 되었다.
One damaged but live milkuth plant (knowled over) at UTM 342005E, 3788581N).
I placed a stake rear stem to avoid twother damace I should Survive based Un
others see in similar condition
4 Malibu baculais inadventing trimmed of VIM 341957 E, 3784594 N (not dagger).
Biologist Signature: Date: 10/18/10
Biologist Signature: Date: 10/18/10 HGL Field Supervisor Signature: 4R 184 d.n.an Date: 10/18/10
HGL Field Supervisor Signature: Kladnan Date: 10/18/10
보는 그 아들이는 그 말이 모든데 하다 하지 않는데 나를 보고 있었다. 그 살아들이 아무네 하나 되었다.
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^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
1	17200-1430	55-43		loners, chairs an weed whaters
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	chiper front waling tractor
-			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
-	Santa Susana tomplant	55-43	VCI, VCZ, VCIO	None.
1	Dudlogasp.	55-43	VC1, VC2, VC-9	None.
1	California red. legged	55-43	VCT, 每,GENII	Cover reduced.
	Oalis	S5-43	Ventura Co. Trimming Guidelines	Trimmed per guidelins.
Ĺ				

NOTES AND RECOMMENDATIONS:
LDI VC can juting NE and of 55-43 today.
2 southern alligator lizards western toud (all gote large) relocated off site.
4 vattlesholds removed from site.
J. Anderson (Envicon) established stakes defined and California Red-10ggal Forg 300-ft buffer within which vehicles are not fermitted. I LDI doing good jub athering to
this.
Biologist Signature: Date: 10/19/19 HGL Field Supervisor Signature: Date: 10/19/10

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
7	800-1440	55-43	☑ VC ☐ GS ☐ GP ☐ SS ☐ MWS ☐ SWSS	charce, longers thancours were
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	Whacken front-locken tractor
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
<u> </u>			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
	-		□ VC □ GS □ GP □ SS □ MWS □ SWSS	

ID	ID Protected Resources Encountered		AMM's Implemented	Residual Impacts
1	Santa Susana tapan	55:43	My verjves, velo	Nore
1	Dud 6 ya	55-43	VC1,VCZ,VC9	None
1	Calif rod-tessed from Landar	55-1/3	VCS GENIL	Cover reduced
1	Odes	55-43	Ventura Co. Trany	Tr.mmed.

LD1 no-1				er i de la companya				-14-		
411	Strate	m 40411 25	avo. Led	inchalin	300fr	buffer.	around	CRIF	pot (still	ponte
habitat.				}						
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Biologist Signa	iture:	1-coll	-h				Dat	e: ///	2/10	·
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IGL Field Sup	ervisor S	ignature: <u> </u>	<u> 11 </u>	<u> </u>	<u> </u>	+1	Dat	e: <u> </u>		
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^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
	0800-430	55-43	▼ VC □ GS □ GP □ SS □ MWS □ SWSS	lowers the saw wed windress.
	0000.,,90		\square VC \square GS \square GP \square SS \square MWS \square SWSS	"front-lucal a tracker . Chine
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	Skaster wenower
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	••
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
	Santa Susana tapast	55-43	VCI, VCZ, VCIO	I plant uproved along foot path.
1	Dudleya sp.		VC1,VC2,VC9	None.
1	California to a special from habrent	55-43	VC5, GENIL	Cover reduced
1	Oales	55-43	Vestura Co. Timing Guidelines	Trimmel

NOTES AND RECOMMENDATIONS:
Frontivoker and skidster stoying outside of CRLF 300 ft buffer
one Sata Susana tou plant inproted along foot path through rocks wer lined outfall nord. This is one of the only ways into the facesite of the site. So the impact was likely unavoidable over the tourse of the project.
wer hard outfall pord. This is one of the only ways into the backside of the site.
so the input was likely unavoidable over the tourse of the enject
Biologist Signature: Date: 10/21/10 HGL Field Supervisor Signature: Your Advance / Date: 10/21/10
HGL Field Supervisor Signature: Yaking Alaka Jahan / Date: 14/15/16
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^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

ENVICOM CORPORATION

Date: 10/22/2010 Friday

Biologist: Scott Werner

ACTIVITIES MONITORED

Sub- area	Survey Section	Time	Activities Monitored*	Equipment Used
8	SS-49	0800-1500	VC	Weed whackers, loppers, chainsaw, skidster with chipper
8	SS-48	0800-1500	VC	Weed whackers, chainsaw
1.7.7.6				

 $^{^*}$ VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

MONITORING RESULTS

Survey Section	Protected Resources Encountered	AMM's Implemented	Residual Impacts
SS-48	Santa Susana tarplant	VC-1, VC-2, VC-10	None
SS-48	Dudleya	VC-1, VC-2, VC-9	None
SS-48, SS-49	Coastal California gnatcatcher habitat	GEN-8	Habitat quality reduced
SS-48, SS-49	Protected Trees (coast live oak, walnut, elderberry)	Ventura County Trimming Guidelines	Trees trimmed, some small individuals not protected under the ordinance were removed.
SS-48, SS-49	Habitat for California Special Concern Species	Monitor present	Habitat quality reduced

moderate appropriate

NOTES AND RECOMMENDATIONS:

Clearance Reports for SS-48, SS-49 dated 10/19/2010 identified suitable habitat for the following California Special Concern species: coast horned lizard (Phrynosoma blainvillii), San Diego desert woodrat (Neotoma lepida intermedia), and coast patch-nosed snake (Salvadora hexalepis virgultea). None detected at site.

LDI crew trimmed vegetation mainly in eastern and southern portion of SS-48 and north-central corner of SS-49.

1 large southern alligator lizard relocated to an area beyond transmission tower at eastern border of SS-48. 2 rattlesnakes removed from site.

Biologist Signature:_

HGL Field Supervisor Signature:

Date: 10/22/10

ENVICOM CORPORATION

Date: 10/25/2010 Monday

Biologist: Scott Werner

ACTIVITIES MONITORED

Sub- area	Survey . Section	Time	Activities Monitored*	
8	SS-49	0800-1500	VC	Weed whackers, loppers, chainsaw, skidster with chipper
- 8	SS-48	0800-1500	VC	Weed whackers
5C	SS-7	1315-1400	SS	Hand trowel

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

MONITORING RESULTS

Survey Section	Protected Resources Encountered	AMM's Implemented	-Residual Impacts
SS-48	Santa Susana tarplant	VC-1, VC-2, VC-10	None
SS-48	Dudleya	VC-1, VC-2, VC-9	None
SS-49	Malibu baccharis	VC-1, VC-2	None. Although some plants were flagged by the biologist, the VC crew did not encounter this species today.
SS-48, SS-49	Coastal California gnatcatcher habitat	GEN-8	Habitat quality reduced
SS-48, SS-49	Protected Trees (coast live oak, walnut, elderberry)	Ventura County Trimming Guidelines	Trees trimmed, some small individuals not protected under the ordinance were removed.
SS-48, SS-49	Habitat for California Special Concern Species	VC-1, VC-2, Monitor present	Habitat quality reduced
SS-7	Vernal pool, habitat for listed fairy shrimp	GEN-10, SS-1, SS-2	None (vernal pool avoided for today)

La Maria Maria

NOTES AND RECOMMENDATIONS:

Clearance Reports for SS-48, SS-49 dated 10/19/2010 identified suitable habitat for the following California Special Concern species: coast horned lizard (*Phrynosoma blainvillii*), San Diego desert woodrat (*Neotoma lepida intermedia*), and coast patch-nosed snake (*Salvadora hexalepis virgultea*). None detected at site.

LDI crew trimmed vegetation in north-central corner of SS-49, and SS-48 is nearly done with VC.

1 big-eared woodrat (Neotoma macrotis) seen in SS-49 near large woodrat house.

SS-7 Vernal Pool: Soil Sampling crew has established a sample point in the center of vernal pool, due to the historical use of this site as a storage yard for radioactive material and the low profile of the pool and unique hydrology for water accumulation compared to the surrounding area. Proposed sampling consists of 1) approximately one gallon of dirt to be removed using a hand-trowel and from a depth of up to 6 inches, to be done as soon as possible, and 2) core sampling down to 10 feet using a small drilling rig. I informed Jim Anderson and Travis Cullen of Envicom of the proposed work in the vernal pool, and Travis called Mark Elvin of U.S. Fish and Wildlife Service. Elvin informed Cullen that damaging the hard pan of the vernal pool through surface and subsurface soil disturbance and potentially compromising the capacity of the pool to accumulate water is not covered under the current FWS Biological Opinion for the current EPA Radiological Study. Elvin indicated a willingness to work with EPA to achieve their sampling goals, but an amendment, along with a focused survey for fairy shrimp, would be required and would likely take at least several months.

I informed Soil Sampling crew leader Cliff Knight and he told me he would consult with his supervisor on potentially moving the sampling point outside of the vernal pool and get back to me the following day.

HGL Field Supervisor Signature Han Rollin Malan

Date: 10/25/10

Date: 10/24//0

ENVICOM CORPORATION

Date: 10/26/2010 Tuesday

Biologist: Scott Werner

ACTIVITIES MONITORED

Sub- area	Survey Section	Time	Activities Monitored*	Equipment Used
5D	SS-58	0800-1430	VC	Weed whackers, loppers, chainsaw, skidster with chipper
5D	SS-58	1300-1415	GS	2 work trucks with winch
5C	SS-7	1415-1430	SS	Hand trowel

 $^{*\} VC = Vegetation\ Clearing, GS = Gamma\ Scanning, GP = Geophysical\ Survey, SS = Soil\ Sampling, MWS = Monitor\ Well\ Sampling, SWSS = Surface\ Water\ and\ Sediment\ Sampling$

Survey Section	Protected Resources Encountered	AMM's:Implemented	Residual Impacts
SS-58	Braunton's milkvetch	VC-1, VC-2, VC-10, GS-1	None
SS-58	Malibu baccharis	VC-1, VC-2	None.
SS-58	Coastal California gnatcatcher habitat	GEN-8	Habitat quality reduced
SS-58	Protected Trees (coast live oak, walnut, elderberry)	Ventura County Trimming Guidelines	Trees trimmed, some small individuals not protected under the ordinance were removed.
SS-58	Coast horned lizards	Relocated offsite by biologist	Relocated (see notes below).
SS-58	Habitat for California Special Concern Species	VC-1, VC-2, Monitor present	Habitat quality reduced
SS-7	Vernal pool, habitat for listed fairy shrimp	GEN-10, SS-1, SS-2	None (sampling point moved outside of vernal pool's marked perimeter)

10/26/2010 Scott Werner

NOTES AND RECOMMENDATIONS:

Clearance Report for SS-58 dated 9/20/2010 identified suitable habitat for the following California Special Concern species: coast horned lizard (*Phrynosoma blainvillii*), coast patch-nosed snake (*Salvadora hexalepis virgultea*), and silvery legless lizard (*Anniella pulchra pulchra*). Coast horned lizards detected and described below.

LDI crew trimmed vegetation on top of hill and along north slope on western side of SS-58 now that the roads are dry after last week's rains.

Loggerhead Shrike (California Special Concern when nesting) heard calling at 0730 hrs from LDI staging area. Bird was located somewhere Building 4015 and is likely the same one seen periodically in the area since August.

3 coast horned lizards found on SS-58 and relocated to suitable habitat area east of SS-58 (and off of Area IV) at UTM 342357E, 3788401N. First was a very young lizard found at 341957E, 3788563N. Second was adult (77mm SVL) found at 341991E, 3788593N. Third was adult (68mm SVL) found at 342001E, 3788586N.

SS-7 Vernal Pool (See 10/25/10 daily monitoring report): Chelsea informed me that they would be moving the proposed vernal pool soil sampling site to just outside the vernal pool. I inspected the sampling point after completion and it was conducted satisfactorily with respect to avoiding the vernal pool.

Gamma scanning crew set up a test area for the handcart and winch operation for steep slopes. Stakes were set up around several Braunton's milkvetch in the area for easy visibility by the scanning crew. Hilltop start point for the 400-foot route is located at UTM 342101E, 3788571N. End point down the slope is at 342131E, 3788676N. Test is scheduled for 10/27/10.

Biologist Signature:

Date: 19/20/10

Date: 10/29/10

ENVICOM CORPORATION

Date: 10/27/2010 Wednesday

Biologist: Scott Werner

ACTIVITIES MONITORED

Sub- area	Survey Section		Activities Monitored*	Equipment Used
5D	SS-58	0800-1430	VC	Weed whackers, loppers, chainsaw, skidster with chipper

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

MONITORING RESULTS

Survey Section	Protected Resources Encountered	AMM's Implemented	Residual Impacts
SS-58	Braunton's milkvetch	VC-1, VC-2, VC-10, GS-1	None
SS-58	Malibu baccharis	VC-1, VC-2	None.
SS-58	Coastal California gnatcatcher habitat	GEN-8	Habitat quality reduced
SS-58	Protected Trees (coast live oak, walnut, elderberry)	Ventura County Trimming Guidelines	Trees trimmed, some small individuals not protected under the ordinance were removed.
SS-58	Habitat for California Special Concern Species	VC-1, VC-2, Monitor present	Habitat quality reduced

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10/27/2010 Scott Werner

NOTES AND RECOMMENDATIONS:

Clearance Report for SS-58 dated 9/20/2010 identified suitable habitat for the following California Special Concern species: coast horned lizard (*Phrynosoma blainvillii*), coast patch-nosed snake (*Salvadora hexalepis virgultea*), and silvery legless lizard (*Anniella pulchra pulchra*). None of these species observed today.

LDI crew trimmed vegetation on along north slope of SS-58.

Loggerhead Shrike (California Special Concern when nesting) heard calling at 0730 hrs from LDI staging area. Bird was located somewhere Building 4015 and is likely the same one seen periodically in the area since August.

One medium-large southern alligator lizard found in SS-58 relocated to oak woodland outside and to the east of SS-58. One young southern pacific rattlesnake (length 13 in) relocated from SS-58 to rattlesnake alley.

Gamma scanning crew did not conduct their scheduled handcart/winch test on SS-58, as described in 10/26/10 daily monitoring report.

Biologist Signature:

HGL Field Supervisor Signaturez

Date: 10/27/10

Date: 10/29/18

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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
1	5922	600	☑ VC □ GS □ GP □ SS □ MWS □ SWSS	Hard from have sure
	1500	355B	□ VC □ GS □ GP □ SS □ MWS □ SWSS	show alfredow,
		, ,	□ VC □ GS □ GP □ SS □ MWS □ SWSS	Bearing the conform
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
. ~			□ VC □ GS □ GP □ SS □ MWS □ SWSS	

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
Č	Programme to the following	53	Avoid municing words	NO supach
	Const Cide Dates	,	1196 Management	No rupach
	Level of Conservation		Profest per Native ' biological regions!	No impact
ļ	Book in Busha Time to option	100	10-10,	No impact
	·			

NOTES AND DECOMMENDATIONS.	•
NOTES AND RECOMMENDATIONS:	close-by No
Mother beachast's in was of the folian, but dose by- s Thought his alder henry, while side, South Susan	our fragged by me.
storen & No offer horns, while sale, South Susan	a far plant
€ 3	\ \
tooklands on rock outcops at eastern bound crows not get working thoro.	ary of west.
grows not not not working there.	
Biologist Signature: Carl Wohner	Date: 2904 2010
HGL Field Supervisor Signature: Man Robbis Mohlvan	Date: 16/24/10
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C' C F' 117 1 A A TV And MDF Dodicles	inal Cander

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
ſ	0800	<i>≾</i> ≤58	Z VC □ GS □ GP □ SS □ MWS □ SWSS	Hand tools chainsaws
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	wheel whicker mower,
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	Chipper tractor
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
1	Coast Live oaks	<i>≤</i> ऽ58	GEN.4, VC-3 avoid, minimize imp	ucts None
1	Blue elderbury White Sage			None
1	Blue elder berny		VC-G	None
1	Santa Susana torplan Bic. eared woodraf N	1-		None
7	False Indigo bysh			None

NOTES AND RECOMMENDATIONS:
Mo Franton's in Irvola or Malibu. baccharis in work area:
Tlagge 1 several santa Susana tauplants blue eldouberry
add white same.
Flaggel small topulation of FALTE Indias Bush in
canyon. This tecies is very uncommon in the se
modutains and is host plant for official state
bufferth california dogface
hut ou
Flaced ca 6 nests of sig-eared woodrat all at
table of oak trees another in poison pak
The state of the s
Flagged Several Lance-leaf Dudlegses (Small population)
in Idecordance with our policy to protect all dudle yeas that
reserble listed species
Biologist Signature: Cal Winner Date: 1 Nov 2010
Biologist Signature: Date.
HGL Field Supervisor Signature: Author Standard Date: 11/1/10
HQL Lieid Subervisor Signature. And Sexual Section Services
Santa Susana Field Laboratory Area IV And NBZ Radiological Study

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
1	0800	5558	☑ VC ☐ GS ☐ GP ☐ SS ☐ MWS ☐ SWSS	Hand Jools pro a sauce
,	1500	5553	□ VC □ GS □ GP □ SS □ MWS □ SWSS	Grad signaling a stronger
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	Charles of the half
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
	toast Live Onks blue olderborry		GEN-4, VC-3	A O Reco
1	Dubling language		140-9	Moral.
1	Bij eard wooded			micor do migo po
1	The Indigo tush Colffonia - Fuchsia			

NOTES AND RECOMMENDATIONS:
No Than tou's milk vetel se Matiba bacchatis in work Area
The fired several blue classifican and white surge months of
We in area.
- Monitored elegrance majo Different lancostate. "no demos
encoured the second of the sec
- Monitored partial elevente pround Talish Indian inalish
still some weeds to be some to immolete E
- Flagged small provide of Calif Fuchston (Epillobrum CORDM)
11 to some as important notion for whiteding humaning builds.
and for site recovery. Mobilohed cleanante most remained
The initial transfer the first of the state
- Romitored elemance at busyoned wooden nosts. Some winou
Louising strait nests left toxposed due to initiated at surrounding
wo coth tron.
Flances base of one oak tree vollow and black tape -
Yellowjacket nest within (Vespula pensylvanica).
Biologist Signature: Car Warner Date: 2 Nov 2018
HGL Field Supervisor Signature: An Man Land Date: 11/2/10
TODII total outport to

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
1	0800 -	5558	ÆVC □GS □GP □SS □MWS □SWSS	Hand fools chainsons,
	1500		□ VC □ GS □ GP □ SS □ MWS □ SWSS	weed whacker monor
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	cuipper, tractor
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
1	blue elderbern			Vone
ı	Big-pared Woodset			Wone
1	Braunton's milkvete	4	GEN-4, VC-3	hone
1	Malibu Baccharis			None
I	False Indigo			

NOTES AND RECOMMENDATIONS:	
Many pre-flagged Bravaton's milkvetch and Maliby baccharis	
in work area toward west Work in area not completed	. ,
on provious days. now returning to complete	
	<u></u>
Small pocket at False Indigo diagged and notated while	
Clearing	
	;
	_
	-
$\mathcal{O}(1000000000000000000000000000000000000$	
Biologist Signature: Caller Date: 3Nov, 201	<u>)</u>
HGL Field Supervisor Signature: Market Date: Date:	
그는 마음을 되는 것이 하는 것이 되었다. 나는 아이들은 <u>하는 것이 나를 하는 것이다.</u>	
Santa Susana Field Laboratory Area IV And NBZ Radiological Study	- 1

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
-	0800 -	5558	▼VC □ GS □ GP □ SS □ MWS □ SWSS	hand tools, chain saws
	1500		□ VC □ GS □ GP □ SS □ MWS □ SWSS	weed whacker, mower
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	chippor, tractor
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
1	Coast live oak blue elder benny			NORE
1	Big-eared woodrat			hone
1	Braunton's milkunte Malibu baccharis	4	GEN4, VC-3	fewer fran 10 damaged
1	Coast horned lizard			4 juveniles relocated

NOTES AND RECOMMENDATIONS:
One ta Hlosnake encountrad, vaable to capture. dove in
hole
Four invente coast horned lizards captured and relocate
Four invente coast horned lizards raptured and relocated to ridgilie to SE of water tank.
VIII a interpretation of the control of the state
Yollow jacket kest was exterminated play.
Biologist Signature: Quality Wov, 20/2
Biologist Signature: 11 1 11 11 11 11 11 11 11 11 11 11 11
HGI, Field Supervisor Signature: Date: 11/1/1/10
HGL Field Supervisor Signature: Date: Date:
C. A. C Dield Laboratory, Area IV And NDZ Padiological Study

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
1	0800 -	355	✓ VC □ GS □ GP □ SS □ MWS □ SWSS	hard tools, chinsans,
	1500		□ VC □ GS □ GP □ SS □ MWS □ SWSS	mower, chippon,
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	tractor, Load -
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
1	Bravaton's milkvetch		Gen-4, Vc-3	<10 ladividuals damaged
1	Malibu taccharis			hone
T.	Coast horned ligard			none
1	Plummers Mariposa			4046

NOTES AND RECOMMENDATIONS:
Two invanile coast horned lizards captured, held safely to
completion of work, released at our Glad location.
Rialogist tolomiends release at original location, vather
tran recognition due to considerations of habitat
Suitability and ospecially 14 VIEW of autilipated
Course scan by me e or by hand has low propality
of causing sightfacant montality of released animals.
Three fruiting Manposa liles, probably flowners, observed
on houte close in milkvetch / Malita baccharis area.
No current crown plants currently dormant below
anound safe from harm from activities. Recommend
Trouble to water for sirst crown of leaves in late
Fall through win fer and sporing, and then protect from
Scanning a ctivity
CONTRACTOR OF THE CONTRACTOR O
Biologist Signature: Cal Wishne Date: 5 Nov 2010
HGL Field Supervisor Signature: Date: 11/5//

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
7	0800-	<i>3</i> 551	IN VC □ GS □ GP □ SS □ MWS □ SWSS	
<u> </u>	1500		□ VC □ GS □ GP □ SS □ MWS □ SWSS	weed whateou to the
	70.0	. ;	□ VC □ GS □ GP □ SS □ MWS □ SWSS	Tractor, Manyorfundas
		· ·	□ VC □ GS □ GP □ SS □ MWS □ SWSS	Loador
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
				11 C 11

ID	Protected Resources	Area	AMM's Implemented	Residual Impacts
	Encountered			
1	Braunfon's milkrefe	5551	VC-3, GEN-4	small numbers of living plants damage in ordental,
1	Malibu Bacchons			Small avantors damaged
1	Mariposa-			uone

NOTES AND RECOMMENDATIONS:	
Area has large numbers of milk vetch and	Baconaris,
Area has large numbers with a society when difficult to completely avoid is society when cut piles to chipping avoid. Workers we	dragging
cut piles to chipping arms. Workers we	re vory kareful
and did little damaic	
mint.	
Flagged and out Poison-Dak, Workers had	Trouble
religaizing plants here on open stopes wit	Mour leaves.
Several stalks of Plummers maripose noted in	a comme
The cost cooks -(10 satell) tes available.	
No domand at this time -dormant, Area	will head
to be closely manifored during scanning.	
· · · · · · · · · · · · · · · · · · ·	
No horned ligards active or evident: 100	cold, air
temp ~650 max, ground temp probably	55-60° F.
Biologist Signature: Carl Wishner	Date: 8 Nov 2010
HGL Field Supervisor Signature: Manager	Date: 11/8/10
HGL Fleid Supervisor Signature,	

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
	0800 -	s5 <i>5</i> 7	VC □GS □GP □SS □MWS □SWSS	hand sols,
	1500		□ VC □ GS □ GP □ SS □ MWS □ SWSS	chair saws, mower
	7.3.		□ VC □ GS □ GP □ SS □ MWS □ SWSS	chipper.
	- 1	,	□ VC □ GS □ GP □ SS □ MWS □ SWSS	tractor loader
	 	,	□ VC □ GS □ GP □ SS □ MWS □ SWSS	
				00 0 10 1

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

MONITORING RESULTS

ID	Protected Resources	Area	AMM's Implemented	Residual Impacts
7	Encountered Braunion's milkula	5551	Gen- 4, VC-3	Many judividuals in area, some judidontal
T.	Malibu backaris			damage vuavadabe
1	Coast horned ligard			
1	Mummors Maripox			

5 plants dameged?

NOTES AND RECOMMENDATIONS:
During hair illy ofth Many hyadreds of plants flagged,
and veg drawed. Difficult to clear who some danage-
and very crossing.
Maligo baccharis - many houseds flagged and cleaved
Some damage - plants will liddly recover
20ml Camare 2 Frants will notify to see
the state of the state of the state of
Coast housed lizard - Due invenile captured, re-veleaged
at end of day in safe over alvesty choosed
Plummen's manposa more truits observed in area-
need to monitor if gamma scan duting
giowing season
Biologist Signature: Out Won Date: 9 Nov 20 10
Biologist Signature.
HGL Field Supervisor Signature: Malan Calta Nachum Date: 11/9/10
HGL Field Supervisor Signature: Mark alm alm Maken Date: 11/9/10

Date:	Nov	10,	2012
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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
1	0800 -	5551	> © VC □ GS □ GP □ SS □ MWS □ SWSS	hand tools, Chain saws
	1500		□ VC □ GS □ GP □ SS □ MWS □ SWSS	mouter, chipper
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	loader tractor
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
1	Braunton's milkvetch	5551	Gen-4, UC-3	Many individuals in Area, some incidental
2	Malibu bacch.			Many judividuals damage.
3	Coasthorned			none
4	Plummor's mariposa			none
5	Blue Elderberry Calif Walnut			houl

NOTES AND RECOMMENDATIONS:
Many flagged and cleared around them. Many are dead, evident
to lack of all in llanguages and ease of disloge from
tase. Workers are very good at a voiding live plants.
Many Malibu traccharis, relatively easy to recognize and avoided by workers
avoided by workers
(oat horned lizard - home observed today on densely
Vocatofed slopes in the west of 555tl. One
Alliquer light control and returned at end of day.
Trummers marrosa - Soveral observed on mid-upper siopes.
last year's first - no leaves - need to monitor during
growin, I flowering season valess scanned early in year
Flue Elduberry/ Calif Walnut - All Individuals flagged
glong wost edge 5551 - how over mowed. 30 me
add's cleanup needed in following days
Biologist Signature: Carl Wishner Date: 10 Nov 2010
HGL Field Supervisor Signature: Leah Spen a Date: 11/10/10
HGL Field Supervisor Signature. 7

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

Date:	11,	11/10	
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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
T	800-1500	55-51	XVC □GS □GP □SS □MWS □SWSS	Langers changaw weed whack
,-			□ VC □ GS □ GP □ SS □ MWS □ SWSS	chimer, skidster without
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	attacl. mount.
•			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts	
١,	Bronaton's milkvetch	55-51	VC1, VC2, VC3	Nearby cover reduced	
2	Oaks, ellerbernes	55-51	Vta timming quild hes		æ
18	Maliby backars	55-51	VC1,VC2	Approx 3 plaints damaged/ temmed on original.	m
14	Plummers manposa lity	55-51	VU,VCZ	None-dormant presently	l
	Calif. gratilitither has	55-51	GEN 8	Habital quality reduced	

1	Southern	allifato	rlizard	moved	#	tow	road	to a	ate a	t edge o	6 5551 /A
•		· · · · · · · · · · · · · · · · · · ·				 					
	<u> </u>		<u></u>	·	·						
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Diologis	i Signature.					-1/0-	 .		24	·	
act E	eld Supervis	or Siana	tura:	il Dun	Lita	May) IGUA		Da	te: <u> ///</u>	110

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
	800-1415	55-5%	VC □ GS □ GP □ SS □ MWS □ SWSS	long, & chanson wheel whade
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	the noise front-loading tenetur
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
·			□ VC □ GS □ GP □ SS □ MWS □ SWSS	

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
	Braunlows mikverely	55-51	1	Nearly lover reduced.
1	Calif walnut	SS-51	Vta timming quidelines	Some elder berries left standing per requisions of in. Amer monitor.
L	Maliny backages	55-51	VCIVCZ	Jon.
1	Calif gnatelyther habita	55-57	GEN8	Habit at quality reduced

NOTES AND RECOMMENDATIONS:	
Veg evenu working in NW corner off SS-51 in one woodlas	nd and edge of chapairal
Sana addational milkertal flagged, avoided	
Biologist Signature:	Date: $\frac{\sqrt{2}}{2}$
HGL Field Supervisor Signature: Man Kally Adhan	Date: 11/12/10

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
1	822-1500	35-51		loppers, chansaws weed whickers, chip
-2	1000-1500	55-52		footbader toppers, weed whater
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	chanson
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	

* VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

MONITORING RESULTS

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
1,2	Braunton's milkuttch	SS-51 SS-52	•	Nearly cove inhead, some mortality
	Vales elderters s Walnuts	55-51	Vta & trimming quidelikes	Finnal some smaller unprite cted walnuts about strikes to make to go und
1	Malibu bachans	The second second	VCI VCZ	None
1,2	Call gratilitation habitat	55-51,52	GENS	Holitat quality reduced, tomain, outside of besting season

NOTES AND RECOMMENDATIONS:

Vog crew work line w/ 55-51 working in NW winer. Poison oak crew starting
on NW corner of 155-52.
공원인 사람들은 사용하는 전환 경우는 실험 문항 경우 기업도 위한다고 한 경환하다. 한 경환 기업은 경 한 대한 경기를 하는 경기를 하는 기업을 하는 기업을 하는
The following Branshis milleutel mortalities were recorded. All were old and brittle but
extlinal report seed pools and published to many miketh that are clicing
seal onsite). All were likely knocked our un accident due to bille stoms dring the past
1-2 meetes. Que stienable whether they would have produced flowers in 2011 (1.0. old).
Port UTM Flogsid?
341791E 3788627N N
2 34/803E 3788638N Y
3 341822E 3788651 N Y
4 34, SOIE 3758680 N N
Also I saw that I milkvetch on E side ut 55-51 is still standing after control as take Interpreted as
0 / Sept. 24 (See report) (UTM 342009 E, 3758687N.)
Biologist Signature: Salah Date: 11/15/10
HGL Field Supervisor Signature: Tullin Kallow Glana. Date: 11/15/10
。

Date:	. 11	16	10	·

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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
	200-1400	55-52	✓ VC □ GS □ GP □ SS □ MWS □ SWSS	longers the saws, weld whethers
	6-0 11-			skild ster whiter front loade
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
	Branton's millowith	55-52	VCI, VCZ, VC3	Nearby wer related
1	Dansalderberrys,	55-5-2	Va Co tamon Total	ns Tomes
1	Malibu bachacis	55-52	VCI,VCZ	None
	Calif snatibilities Naly			Outsite restrict Towns

The same is account that of	lay 5
Silvetor same as pressures ten o	
	Date: 11/16/10 Date: 11/16/10
Biologist Signature:	Date:
The state of the s	Tolthan Date: 11/16/10
HGL Field Supervisor Signature: WUYan Kollud	J. American
	TV A - INDT Dedictories Study

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment	
1	800-1460	55.52	VC □ GS □ GP □ SS □ MWS □ SWSS SWSS	longer than saws weed whater	,
•			□ VC □ GS □ GP □ SS □ MWS □ SWSS	skidster wich mer fant landen	tacto
_			□ VC □ GS □ GP □ SS □ MWS □ SWSS		,
			□ VC □ GS □ GP □ SS □ MWS □ SWSS		
			□ VC □ GS □ GP □ SS □ MWS □ SWSS		

MONITORING RESULTS

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
	Branktons millertich	55-5-2	VCIJVCZJVCZ	~3 plants damaged but not
1	Oales, alderseries	55.52	Ventura Co. trimming guidelin	x Trimmed.
1	Malibu baccheris	55-5Z	, , , , , ,	None A fin pleats trimmed (<5).
	Colf grateather	55.52	GENS	Habital quality reduced. To moved
		*		

NOTES AND RECOMMENDATIONS:

Continuing trimming & in NW corner of SS-52.
사람들은 사람들은 사람들은 사람들이 되었다. 그 사람들은 사람들은 사람들이 가장 사람들이 사람들이 되었다. 그는 사람들이 살아 나는 사람들이 되었다. 그 사람들이 없는 사람들이 살아 나는 사람들이
A few noticed plants damaged Himmed (see above) hur LDV dangersellens job of avoiding flagged (and unflagged) plants.
Job of avoiding flagged (and unflagged) nants.
3, 70
in the second se
iologist Signature: Date: 1//7//0
The Market of the William Market of the Mark
GL Field Supervisor Signature: All an Robbs Adman Date: 11/17/10

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
1	800-1400	55.52		
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	tentor.
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	

MONITORING RESULTS

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
1	Branctur's milkustel	J5-52	VCI, VCZ VC3	1 plant up noted - 5W wines of SS-52:
	Malibu bankars	55-52	Ventura Co. Trimming En 20/105	Nove.
	Oaks olderbearing	C5-52	VCI,VCZ	Timmel
	Calif. gratest the	SS-52	60V8	Hobital grality reduced. Trimmed Dutsile of bud nesting season.
		_		

NOTES AND RECOMMENDATIONS: LDI continual to work on W section of SS-52. That LDI can remove the extra small (unported of) trees that they have left. Many trees less than 9.5 in a jeth have been left standing but these can be fermiously per Water Co. Trimmy Ordnard. Biologist Signature: Lot of they work they work and allow the following the continual of they talknown Date: 11/15/10

Santa Susana Field Laboratory Area IV And NBZ Radiological Study US EPA Region 9

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

Date:	11/19/10	

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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
Ī	900-1430	55-52	☑ VC ☐ GS ☐ GP ☐ SS ☐ MWS ☐ SWSS	
	500-1030	55-51	□ VC □ GS □ GP □ SS □ MWS □ SWSS	
5	1(3)-1050	55 2	□ VC ☑ GS □ GP □ SS □ MWS □ SWSS	ER65
É			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
l -			□ VC □ GS □ GP □ SS □ MWS □ SWSS	

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
1,2	Brownton's milkvetch	55-52	VC1, VC2, VC3	3 plants vameged/upnoted.
1,2	Malibu Bacharis	55-52	VC1 VC2	zelads damagel
		55-51, 55-5-2	Went-in (o. Timming Guidelius	Transed Small unprotected ties
1,2	Call'f Snatcatcher basit	1 5551. 55-52	620%	outside of bull asting season.
3	Righter LBV Lusilat	55-12	GEN9 Arm Ago, N	None ERUS in flat orce uniside

NOTES AN	ND REC	COMMENDA	ATIONS:				
5552	n c, i	, consuter	for VC.	& Eside	still reeds	VC.	
55,51:	Some	tollow-up	+ (m.)	of small, hope	sterte 8 wal	nuts and ale	leiblens.
<u> </u>							
	,						
Dialogist S	ionatura		1			Date:	1/19/10
Biologist S HGL Field	_	isor Signature	: YW) phu	Felli M.	den	Date:	11/14/10

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

Date: 11/21/10		Sheet of
	BIOLOGICAL RESOURCE MONITORING FORM	
	ACTIVITIES MONITORED	

ID	Time	Area	Activities Monitored*	Equipment
١	800-1410	55-52	☑ VC ☐ GS ☐ GP ☐ SS ☐ MWS ☐ SWSS	lopes chansan weed whater.
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
<u> </u>		 	□ VC □ GS □ GP □ SS □ MWS □ SWSS	

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
	Braunton's mlleve tel	55-5-2	Ac1'NG	2 plants upwoted/damaged
1	Maliba bauhans	55-52	VCI	I plant beauty trained
١	Oaks, elder beines.	55-52	Vertura Co trimming	Timmel
1	Calif gnatesteher habitat			Habitut quality reduced. Trimmed Outstake it resting grason.

VC continuina	into SF CO	250 of 55	-52			
VC CARACTERIST) 11.10 - 0					
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		·				
						
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			•		•	
Biologist Signature:	Son A				Date: 11/22/	'O
HGL Field Supervisor	\ / ;/	1 11 - 11	Molman		Date: $1/22/7$) <u> </u>
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Date:	i)	23	/1	Ü	

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SП	eet			UI.		

ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
1.0	500-1440	55-50	☑ VC □ GS □ GP □ SS □ MWS □ SWSS	Lopes charges weed unadors chi
- '	1300-1440		▼ VC □ GS □ GP □ SS □ M ₂ WS □ SWSS	
2	130-1940	23-41	□VC □GS □GP □SS □MWS □SWSS	
1		-	□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
	X7 -4-4-	- Clearin	g, GS = Gamma Scanning, GP = Geophysical S	Survey, SS = Soil Sampling,
* VC	: = Vegetatio	n Clearin	g, GS = Gamma Scanning, Gr = Geophysical C	omplina

MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

MONITORING RESULTS

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
	Bondon's millerafte		ycl,vcz,vcz	I plant out
	Oaks, elderberries,	55-52	Votin Co. Tomming	Trimmed. A silect for this unders a
1,2	Malibu bacahers	55.49 55-52	VCI MA	All bs cared to be intact
1,2	woodiat rosts	55.49 55-52	VCI, MANTE	Surounding Vos cut
1,2	Calif. grateatcher histat		GEN8 In	Habitat quality roused Trimmed outside of nesting season.

NOTES AND RECOMMENDATIONS: and moved on to 55-49. Moures not used on scrub at 55-11 49 due to presence of wood A biggared wood, at (Nostona meint) seen leaving nest State-sensitive restating manager levida intermedia Biologist Signature:___ HGL Field Supervisor Signature: XII

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Date:	11/24/	نازا			
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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment	
	200-1445	CC UG	☑ VC ☐ GS ☐ GP ☐ SS ☐ MWS ☐ SWSS	longers chaisens med wheders M	DINCH
1	800-1000	2. 11	□ VC □ GS □ GP □ SS □ MWS □ SWSS	chiner mower	
	XOU - 1000	3732	□ VC □ GS □ GP □ SS □ MWS □ SWSS	(1 /	
<u> </u>			□ VC □ GS □ GP □ SS □ MWS □ SWSS		
 			□ VC □ GS □ GP □ SS □ MWS □ SWSS]

MONITORING RESULTS

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
12	Mality backons	55-49 55-50	VC	No plants imported timory
1	Wooden nests potential for San Diego Disert Wood	7- 22-49	VCI	None (reduced summary corr)
7	Bien ross milevelida	15-52	VCI VC2	None
_	Protected Trees	55-49,	Venturo Co. Trimming	Trimmed
	Calif gratatches habit			Habital quality reduced Trimming conducted outside of watery season

NOTES AND RECOMMENDATIONS:

LNI tinishing change of 55-52 while action started with hard cutting
of dense let the chamise while so so area on east side of SS-49.

Com Malitubacchers and inpodrat houses Hageedin 55-49,
or and a series of the control of th
(Mower used in SS-49 in grassland area only)
THOMEN TRACK TO AND THE STATE OF THE STATE O
Dielogiet Signature: Signature: 24/10
Biologist Signature:
The first substitution of the I -
HGL Field Supervisor Signature: Millian Kelling Midney Date: 11/30/10
허즈하다면 마스트로 중에 가는 그는 그는 그들은 유민들은 바라 가게 그 살아가게 하셨다. 얼마 얼마는 나는 사

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

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ACTIVITIES MONITORED

Equipment		
-saw weed who dues		
)		
, New 13		
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ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
	Maliby backoris	55-49	VCI	Nore
1	Woodra nests, potentia	J 55-49	VCI	Reduced surpunting habitaty greatity.
	Portotal trees	55-49	In Tempine Ordinance	Tinned
	Calif gratestiles histat		GEN 8	Habitat quality reduced. Trimming working outside of resting season.

OTES AND RECOMMENDATIONS.
Continued trimming on Eside of SS-49, Moro backars and insodict
ests ClarePal
(March)
Ceneral Ceanothus cuneatus, C. crossitulias Actostaphylos glacia Mantanital
Central Ceanothus cuneatus, C. crossifulins Arctostaphylos glacua (Manzanita) [Llasger for preservation por reacest by Native Architect monitor (Pation Turnismait).
Turnamait.
Biologist Signature: Date: 11/29/10 HGL Field Supervisor Signature: Supervisor Signatur

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
	800-200	55:49	▼ VC □ GS □ GP □ SS □ MWS □ SWSS	loppers chainsan mower
	200 ===	<u> </u>	□ VC □ GS □ GP □ SS □ MWS □ SWSS	
		 - ; 	□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
		<u> </u>	□ VC □ GS □ GP □ SS □ MWS □ SWSS	

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
	Malibu barchais	55-49	VCI	None
1	Wooding rests thouses, potential San Diego Describil	25-49 10drat	VCI	Surounting habit at quality reluced
1	Protected trees	55-49	Cardinage	Transol
1	Calif. grateather Labit at	55-49	GEN 8	Habita quality relaced Trimming conducted outside of nesting scason.

M	continu	OMM	Cin	SE 25	5-49.	More	backer	s and	wood	ub hu	14505	Hassed.
		<u> </u>	<u> </u>	<u> </u>						· · ·		
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Oro Proc	2181111111		- i	, /	\sim	1 3	1 100					
~~ T T 1:	l Supervi	oor Sin	noture:	~ 1	1. A.	hhor	- toldm	aa		Date	: 12/6	HO

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

Date:	12/1/10				Sheet 1	of <u>/</u>
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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
	800-1500	55-49		loppers, chainson, whower
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	1
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
•			□ VC □ GS □ GP □ SS □ MWS □ SWSS	

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
)	Maliby buchasts	55-49	VCI	I large plant demaged but
	Wooden't houses, potential	55-49		Rodried Surroundy habitant gocality.
1	Protected trees	55-49	Ventura Co. Trimming Ordinana	Trimed oales.
	Cally gnateatcher	55-49	GEH 8	Has Hat qualton reduced.

NOTES AND RECOMMENDATIONS:	
Chipper being changed outs today die to battery problems. Mou	ver cousting brush piles.
3 woodrat's seen ground woodrathouses. ID'd as Nestons	
(no) at Lyon (encit re).	
Montes action stated on NErdge of 55-49 in purple sage some flagged and avoided.	b. 5+ woodrat houses
flassed and avoirted.	
Biologist Signature:	Date: 12/1/10
	Date: 12/6/10
HQL Lield Subcivisor Signature Transfer and Albertain Strategies	

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

Date:	12/2/10	

NOTES AND RECOMMENDATIONS:

Biologist Signature:_

HGL Field Supervisor Signature:

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BIOLOGICAL RESOURCE MONITORING FORM

ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
	800-1440	55-49	☑ VC □ GS □ GP □ SS □ MWS □ SWSS	looners chansen chiner mower from loney
	1230-1400		☑ VC ☐ GS ☐ GP ☐ SS ☐ MWS ☐ SWSS	longer chansin
	1230-1900	-3 (0,1	□ VC □ GS □ GP □ SS □ MWS □ SWSS	
	-	 	□ VC □ GS □ GP □ SS □ MWS □ SWSS	
	-		□ VC □ GS □ GP □ SS □ MWS □ SWSS	
B .	1			22 2 12 1

MONITORING RESULTS

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
1	Maliby backaris	55-49	VCI	None
1	Wood at houses, potential for Sun Diego Desert Woods	55-49	VCI	Reduced surrounding habitat quality.
	Protected trees	55-49 55-16,55-17	Ventura G. Trimming	Trimmed oaks.
	Calif grateather habital	55-49	GEN8	Hobit at quality volumed:

Morning veg. in black / pupile sage sorns all on N site: Wooded rosts and
Maliha buchas & Flaggerand avoided.
Mally a Parchas & Ling Dry apply marions
Per veguest of Gamma scanning arow and geophysical crew 4 mature wast
Per veging of banna scanning and more appropriation to best above
The pales on 55-16 55 17 (adjacent to 6 st.) were trimmed up to 5-6 feet above
ground and in accordance w/ Ventura County Trimmy Ordinance.
The Variation of the Control of the
Add from unnateded shows (Ceanothus Crassifolius, C. cuneatus, Arctostaphylus glavia
last standing by VC crew per request of Native American Monitor.
1947 SIKACIA NU TO CHOW

Date: 12

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

Date:	12/3/10	
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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
	NO-1430	55 49	☑ VC □ GS □ GP □ SS □ MWS □ SWSS	loppers chausew mount front loss
	<i>50</i>		□ VC □ GS □ GP □ SS □ MWS □ SWSS	TERGOR ChiONER
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	: ""
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts	
1	Malbu beccharis	55-49	VCI	2 plants lost, general travery	
1	wooding nosts / houses, potential Sanding Diser (Wood	st 55-49	VCI	Policied surrounding bobital quality	
1	Potcoed trees		Ventura Co. Trimmy Ordinage	Some additional non-puter of should small trees said for not a Am months	request
1	Calif. gratication habital	55-49	GEN 8	Hobitat quality relaced. Traming conducted outside of nesting session.	
				•	j

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

Date:	12/6/10	
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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
1	800-1345	55-49	▼ VC □ GS □ GP □ SS □ MWS □ SWSS	lames, chairsaw, skiester W/moiner
2	1300-1320	SS-7	□ VC □ GS □ GP ☒ SS □ MWS □ SWSS	nower anger
		,	□ VC □ GS □ GP □ SS □ MWS □ SWSS	t ^B
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	100
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	

* VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
	Molibu bacharis	55-49	VCI	~10 plants trimmed
	Wooding Louses, potential for Sen Diego Desert Wo	55-49 dit	Vei	Reduced surrounding Libital quality
	Posted trees	55-49	Timmy Old House	Coast like oales trimmed.
)	Calt. grateather host at	55-49	GEN8	Habitat quality reduced. Trimming Consider outsite of noting season.
2	Vernal pool	55-7	SS1_	None - reflagged (see below)

NOTES AND RECOMMENDATIONS:
VC crew doing excellent int of avoiding Backers is maliturensis
and moderat Louses! Backer's is gilte dense on plot and so some dema
to plants is acceptable.
10 pax 3 to a pax 3
* Hernal Doub at 55-7 has tire tracks on northern portion. HEL has
stayed and of area w) volicles so it may be Dinkerton Security or other
Rosans contractor. HGL should continue to keep out of are and advice
Others to do the same. Some stakes had fallen over, so Enium biologi st
will monitor more frequently, and keep flagging up.
MILL AMONG THE MAN COLL MAN TO THE
Biologist Signature: State: 12/6/10 Date: 12/6/10
Biologist Signature: Date: 175/10
$\mathcal{L} = \mathcal{L} = $
HGL Field Supervisor Signature: Abola Johns I Aldman Date: 1279/10

Date:	12	17/10	.*	
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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment	
7	800-1400	JS-49		lunpers changew. Skidster wich in	er
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	11 / 1	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	1 2 20	1
			□ VC □ GS □ GP □ SS □ MWS □ SWSS		İ
			□ VC □ GS □ GP □ SS □ MWS □ SWSS		

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
	Malibu bacha, s	55-49	VCI	~5 plants timmed.
	Woodra housey, potention for San D. PRONWOODNA	55.49	l V	Reduced surrounding habitat quality
1	Protected trees	55-49	I OLUNAMAC	Coast the pales trimmed.
1	Calif. gnat cotther hustra	55-49	GEN8	touchutel outside of resting season.

two big	- eared wood	14ti seen ne	ar wooding	houses lite	oryona marrol	37	
110-1440	Corduid	of Empur	vental Edu	ration Page	in todining	for COM	enpo
ologist Signa	ture /	Alm			Date:	12/7/10	
		ure: YuDicino	Lehis M	ldman	Date:	12/10/10	

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
T	815-915	SS- 20		lowers chansaw
Ż	915-1430	55-49	VC □ GS □ GP □ SS □ MWS □ SWSS SWSS	londer's chansons. Ch. noer, sk. 25te
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	I'm money.
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	,
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
1,2	Righted trees	55-ZU 55-49	Vontury Coury Trimming Ordinance	Gast live vales trimmed
2	Maliku bachans	55-49		15 Nants tomal.
2	Mood at houses (San Dieco Desct wood at hab.)	55-49	KI	Surrounding histrat quality reduced
	Calif grateather hob lat		GEN8	Habital quality reduced. Trimming done onto be and the nesting season.
2	Coast horred 1.zard	55-49	Pelocated Flagged, manged	Dutsido of blooming season timmin o

NOTES AND RECOMMENDATIONS:
\sim
Mower being used to break down trast pre-cut brush piles - not used to
The vegetation due to presence of Malibu backars and wast horned
lizard.
Coast homed dizard abut took found at UTM 341579E 3788 709N.
It was relocated Layound SSFL fence or same hill in similar habitat.
3 Calochoctus inflorescenus from previous spring found at 341599E.
3788709F (also see duch 55.49 bio clearance survey but not 6PS'd.)
No restrictions augustly readed because this contained perennial built blooms
ducing Spring (summer. Is potential Plummers Marnoso like (State motional)
DR Set atd.
Some larger hairy consthus (coanothus ollgenthus). Very matire tree-like shrubs
should be able to be avoided turns sighning.
Biologist Signature: Date: 12/8/10
Biologist Signature: Date: ///
HGL Field Supervisor Signature: Mulankola blanca Date: 12/10/10

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

Date:	12/9/10	

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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
	800-1470	55-49	☑ VC □ GS □ GP □ SS □ MWS □ SWSS	loppers, chairsaws, chippers
	9.0 1 2		□ VC □ GS □ GP □ SS □ MWS □ SWSS	skinster wimpower.
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
	Malibu bacchons	55-49	V(1, no mowing of	5-10 plants towned
虚	Woodput houses (San Diego Desert woodn't potention) S5 49		Surrounding has to a goodity reduced
量		\$-49	Ventuck lountry Tomming	Coust he oales, All warnes trumd
180	Calif Snatuatcher	55-49	GEN8	Hubital quality reduced transpary don outside of nosting 809501.
	7 11 11	55-49	VCI, the wag.	Halthat quality reduced

NOTES AND RECOMMENDATIONS:
Mower only primited for crushing pre-cut regetation pites due to confirmed
Disserie of Malitu bacchais only const horned 1.79-1.
表示 보면 하다 되었다. 그는 그는 그는 그는 사람들은 그 사람들은 사람들이 가는 사람들이 되었다. 그는 그는 사람들이 가지 않는 것이다. 그는 사람들이 되었다. 그는 <u>네트 스트</u>
Maline hallhairs is abundant out on NNE slope of 55-49. Minor tomake of
some individuals not likely to affect punulation's viesility.
X Straw wordes may well be needed for some steep gras on N
Ede of CS:49 with no fround to UC. Vem louse soils Common in this
area. (Erosion (ontrol).
크리마리 아들은 제 그림 하는 아름다? 생활이 그리는 것 같은 그를 다 살을 수 있는 것 같은 것 같다.
Date: 12/9/10
Biologist Signature:
UCI Field Supervisor Signature XII V Ban Kabley Jaldman Date: 10/ 12/10/16
HGI Field Supervisor Signature: XW ban Colling Paldman Date: 12/10/16

Date:	12/10/10	
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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment	
T	800-14/5	55-49	☑ VC □ GS □ GP □ SS □ MWS □ SWSS	longers weed whoden chairs aw, chip	oll moure
	11/ 5/100	(5-10	'□ VC □ GS □ GP ☑ SS □ MWS □ SWSS	Footteatic, auger	∞ ۲۰۰۰۰ ر
2	11051110	SS-6-1-	UC □GS □GP ☑SS □MWS □SWSS	Foot rieff a auger	
	110 7 1712	, <u>-2 - 7 ; ;</u>	□ VC □ GS □ GP □ SS □ MWS □ SWSS	, ,	
		***	□ VC □ GS □ GP □ SS □ MWS □ SWSS		

MONITORING RESULTS

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
1	Maliku hacchais	55-49	VCI	2 parts medverterly timed.
/	Protected trees	55-49	Ventura Courty Trinking	Dais, elderberries trimmel (+ walnuts)
	Woodent Louces Getent.	55-49	VCI	Hobital qualify reduced, houses
1	Calif. gratuather Lusita	1	GENS	Habitat guality related, trimming done outside of nostern bird season
2	Brunton's millevelly,	55-10 55-6/7	551,552	None.

NOTES AND RECOMMENDATIONS:

149 Mature Chamise Changeal has no unlesson and hillside will be composed
of expred loose soil after timening.
- Use of stray waddles to control erasion is recommended but not required,
since had flows if any are not likely to are not filed to are not just shirther waterulary
Housever seems on out och this may become after the
large unts or sullide Idention in hillside Secretive resources such at as
Malily hoselas and mather orietrees may be vogethered affected. Rain
expected late the week (Dec 18)
Biologist Signature: Date: 12/13/10
HGL Field Supervisor Signature: Old Helds Med June Date: 12/13/10

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

ACTIVITIES MONITORED

well.
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ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
13	Calif sed legged fing	NBZ Erasedal Erasedal	GENII, SWSS-1 EPASEN32, FRAJED33	None
2	Calf gnalcatches	5-49		Hastat gratity rollied . Trimming the outside of nosting sorson
-	Maliby backars	55.49		No parts imported today.
Z	Woolink houses (potention Ex San Dirgo Desertino	F 55-49	* 特别的 医皮肤 医皮肤	Halikat quality reduced Houses into s
	Preched trees	55 49	Ventura County Training	Tronm
<u> </u>				

THE PROPERTY AND A PR
NOTES AND RECOMMENDATIONS:
· VC: Strow with a recommended on 55-49 for erosion control with coming raining season.
In addition upnoting of small or brittle shoulds should be minimized as much
as a le la
Datold (SMP Amondix E Pa E-2) " root systems of nevernial and woody provi
'species will not be distanted."
,我们就是有 我 的人,我们还没有看到一个好好的,就是我们的,我们也没有一点,他们也没有一点,我们就是一个人的,我们也没有一 <u>么,我们就是一个一个</u> 。
.SWSS Sanding trans impact is minimal enough to not veguire monitoring durlage
a the same Mantacity of Anna Colore Colore Colored to Colored to Colored to
The state of the s
curvence within NBZ and therefore will still need to coordinate daily with SWSS
<u> </u>
Biologist Signature: $2/13/10$
HGL Field Supervisor Signature: Villean Rollis Holden Date: 12/13/10
HOP Light orbot sign.

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

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•	12/14/10	
Date:	12/1/1/1/	
		

NOTES AND RECOMMENDATIONS:

HGL Field Supervisor Signature: Xillan

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BIOLOGICAL RESOURCE MONITORING FORM

ACTIVITIES MONITORED

Time	Area	Activities Monitored*	Equipment
820-1420	55.49.	☑ VC □ GS □ GP □ SS □ MWS □ SWSS	chairsaw, mower
000	55-48	□ VC □ GS □ GP □ SS □ MWS □ SWSS	
		□ VC □ GS □ GP □ SS □ MWS □ SWSS	
		□ VC □ GS □ GP □ SS □ MWS □ SWSS	
		□ VC □ GS □ GP □ SS □ MWS □ SWSS	
		820-1420 55.49.	SOO-1420 SS-49, □ VC □ GS □ GP □ SS □ MWS □ SWSS SS-48 □ VC □ GS □ GP □ SS □ MWS □ SWSS □ VC □ GS □ GP □ SS □ MWS □ SWSS □ VC □ GS □ GP □ SS □ MWS □ SWSS

MONITORING RESULTS

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
1	Colif gnatcatiher babitat	55-48 55-49	GEN8	Hobitat quality reduced Trimmir) done outside of resting season.
1	Maliba bacchans	55-49	VCI	10-15 plants to moved or bent but still intact.
1.	Wood, or houses (potential for San Diego desart mode	J. SS 49	Ver	None
	Potested trees	55-49	Ventur County Trans Condelines	Some smaller oaks timmed

는 사용하는 사용하는 것이 되었다. 전에 발표하면 하는 사용하는 사용하는 사용하는 사용하는 사용하는 사용하는 사용하는 사
- Some Malibu bacchais plants in pated However population is very dense on N
Show of 55-49 and this species is codominant with chamise (in understory).
一直接受了一个事情,我们就被我们的感觉,我们的我们的,我们就会被我们的感觉,我们就是我们的感觉,我们就是我的人,我们们的人,我们就会会会会会会会会会会会会会会
- Some manzarita (Arctustophylus glanca) and havry coanuthur ((panothus oliganthus)
spaced at regulat of Now America monitor and them to commendation
biological dearince survey report due to old-growth conditions.
- continued monitoring it Livis les erosion potential with upcoming rains recommend
Mulching on hillside or straw wattles reumnended

Santa Susana Field Laboratory Area IV And NBZ Radiological Study US EPA Region 9

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Date:	12/	15	hi	<u> </u>

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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
	745-1145	NBZSS	3 VC □ GS □ GP □ SS □ MWS ☑ SWSS	hand tools (trowel)
.1	1410-1425	55-38	□ VC □ GS □ GP □ SS □ MWS □ SWSS	hand tools (trowel)
2	1150-1400	35-49.55		Chansaw mower
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
	 		□ VC □ GS □ GP □ SS □ MWS □ SWSS	

MONITORING RESULTS

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
	Golden tagle rest	NBZ.	5W55.1	Now
	California red-ligged fros ha	11al 55-38	GEN-11, SWSS-1	None
1	Santa Susura taplant	NBZ 55-38	5 WSS-1	None
2	Woolras Louses (potential San Dryou desert would int)	55-49	VC1	None
	Malibu backers	55-49	VCI	~5 individuals transled.
2	Calif. gnotcatcher	55-49	GEN &	Reduced habitant quality. Trimmed outside of nestry secson

2 Protocold trees SS-49 Ventura County Trimming Noise (UGKS timmed)

NOTES AND RECOMMENDATIONS:

하는 이 마른 그는 경우 이 보는 것을 하는 것을 보고 있다. 그런 그는 사람들은 사람들은 사람들은 사람들은 다른 <u>다른 사람은</u>
1) #1: Sediment Saipling points impritared; EPASEDZI (NBZ), EPASEDIA (SS-38).
EPASEDIO (55-38).
· Golden Eagle nest not currently active. Nest refurbishmen man begin in
Guidan Reile Mest not content and the land of the second
late tall to water with egg-laying in Jan/Feb. No gulden eagles seen noor nest,
though local pair has been seen over NBZ several times in meent months.
No water at outfall 3/ EPASED 16,19). No CRLF but Pacific choius
Fross (Pseudacris rigilla) are calling (non-sensitive).
Biologist Signature: Date: 14/15/10
Diologist organization
HGI Field Supervisor Signature: Xullan Cabb Soldman Date: 12/15/10
HGL Field Supervisor Signature: Xullan Kabb Jeldman Date: 12/15/10
보는데 나는 모든 그런 그리는데 지역 모든 모든 이 사고 나는 사람들이 들는 생각이 되는 것이 되었다. 그리는데 한 학생생활을

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

Date:	12/	16	110
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ACTIVITIES MONITORED

Time	Area	Activities Monitored*	Equipment
800-830	55-49		chainsaws chira
	55.38	□ VC □ GS □ GP □ SS □ MWS ☒ SWSS	towel fout traffic
1015-1345			
		□ VC □ GS □ GP □ SS □ MWS ☒ SWSS	trowel fost truffic
100		□ VC □ GS □ GP □ SS □ MWS □ SWSS	
	800-830 840-1015 1015-1345	800-830 55-49 840-1015 55-38 1015-1345 55-49	800-830

MONITORING RESULTS

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
	Malibubacchers,	55-49	Vc /	None
1	cart gratuative habita	cc.45	WAY GENS WW Vistua Town Guidelik	Hastot quality reduced
2	calif. red 1.55ed for5	ELANA SE	-38 (EPASED19)	None
3	0 (NSZ EPASENI	3 SWS S-1	Nane

NOTES AND RECOMMENDATIONS: LDI done with we clearly today on S& 49 (SFIII MOST to the ottomal). ID+12: Swss tram redoing sure point EPASEDIA in freshwater morest below Outland 4. NO Surfect or subsurface water parent. ID #3: No SEE Dooled water of EPASEDIA or a Duifall 4, ethough some wind shift the translation of which water in weir. No right parent at EPASEDIA just a direct in the Coextluse octor windland. Biologist Signature: All And Tellio Helman Date: 12/16/10

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

Date:	/3	-/1	7/	10	

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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
1	300-1100	55-49	☑ VC ☐ GS ☐ GP ☐ SS ☐ MWS ☐ SWSS	Chipper
- \			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	

MONITORING RESULTS

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
	Malibu brackers	55-49	vel	No plants in parted today.
1	Woodent Louses - San Droide sort would at potentia	1 55-49	Ver	Survey has that quality reduced.
	Cal Forne grateatehr	5549	GENS	Habital quality reduced to maned outside of nosting season.
1	Protected trees	55-49	Ventury County Timmy Guidelines	tommed towns, walnuts, educations

LDI bing half-day on this Finds. LDI off next week and thru New 100 SS-49 vog has at Leen out but still requires chining. Piled brush on the steep hillside will need to be transported by hand to chinger; some can be come will mower light but withy rain today not saturating soil or ouddling on SS.

Twes called to Outfall 3 and EPASEDIH to invistigate suspected mountain
lion prints - requested by safety (social nature. None town! Suspected or in was
mish-mash of multi-deer trocks, other mure hear tracks according. Coyote scat present
we shy as well (first).

I also briefly inspected area count outfalls 5 and 6 where today's swiss points are located. No California reducinged forgs or other potentially impacted sensitive resulted located.

Biologist Signature: HGL Field Supervisor Signature: HI Organ Right Middle Mount

continued va- exacted into wext ineels

NOTES AND RECOMMENDATIONS:

Date: 12/17/10

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

	1	Fr. June	
Date:	14	111_	

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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
1	2141 -003	55-219	VC □ GS □ GP □ SS □ MWS □ SWSS SWSS	Chiere God triffe brush will.
	6-9-11-3		□ VC □ GS □ GP □ SS □ MWS □ SWSS	
		 	□ VC □ GS □ GP □ SS □ MWS □ SWSS	
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
- 			□ VC □ GS □ GP □ SS □ MWS □ SWSS	

ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
1	Malibu barchans	S5:49	VCI, VCZ	uss than it plants impacted, still
1	Woodiah hawers (potential for Son Dugo describ would	5549	VCI	Summerly habitas quality reduced

OTES AND REC	COMMENDATIONS:				
Biologist (Scott Werner) mainly	occupied h	on VC a	by clearance	Survey C
7-00 - 600		j		1	
		<u>, , , , , , , , , , , , , , , , , , , </u>			
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iologist Signature	sor Signature: he also	1		Date: <u>///</u> Date:/	<u>//1)</u>

^{*} VC = Vegetation Clearing, GS = Gamma Scanning, GP = Geophysical Survey, SS = Soil Sampling, MWS = Monitor Well Sampling, SWSS = Surface Water and Sediment Sampling

Date	· 1/5/11	and the second	i		№ 17.84 - 34.1 18%			Sh	eet of
	BIOLOGICAL RESOURCE MONITORING FORM								
						MONITOR			
ID	Time	Area		Ac	tivities Mor	nitored*		"-Equip	ment -
1	800-1430	55.49				□ MWS □		Chine	
	800-1430	55-4%				□ MWS □		Ma -see selow	000
3	1030-1050	55-7			\Box GP \Box SS	MWS D	SWSS	n/a -sre below	
		-				□ MWS □			
* V/C	– Vegetatio	on Clearin				<u> </u>		Survey, SS = Soil Sa	ampling.
MWS	S = Monitor	Well Sam	pling	, SWSS =	Surface Wa	iter and Sedir	nent Sa	ampling	
	-								
•				N	IONITORI	NG RESUL	rs ———		
ID	Protecte	d Resourc	ces	Area	AMM's I	mplemented		Residual In	pacts
		ountered				<u>.</u>		·	
1,2	Postrated to			55-48 55-49	Vertura Co	. Timning Gr	1.20/19/	No trees ton	and today.
Z	Malibu bo	(chor. 5	,	55-49	VCI		7	lo impacts	<u>,</u>
1,2	Wood of how		\ _	SS-48 65-49	VCI		25 mcC	to impacts a forted and chilling	-voids obs
3	Undertified	•	np					"	
191		en de la compa							8.87 8.00
NOI	TES AND R	RECOMM	END	ATIONS	<u>.</u>				*
			• •		<u> </u>				· · · · · · · · · · · · · · · · · · ·
		,		•	,			hour of Hidraud	<u></u>
55	55.45: Poison oak remaral crew using longers and tractor for offsite removal.								
55	-7: (on	Firmed un	ident	Gel fau	- Strac	in vernal,	0001-	Area was resta	aked yesterla.
	Continue to avoid vernal mod as his been done. SMP assumes vernal post is accorded to hastar without a post of survey so no management changes required.								
				V	*	·			<i>'</i> .
	· · · · · · · · · · · · · · · · · · ·	* .							
			- :		·				
									· · · · · · · · · · · · · · · · · · ·
-		·		·		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		

Biologist Signature: Date: 1/5/11

HGL Field Supervisor Signature: Yilliam Politics Vallanta

Date: 1/5/11

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	1/2/	
Date:	110110	
		

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ACTIVITIES MONITORED

ID	Time	Area	Activities Monitored*	Equipment
1	500-5-5	55-6/7	□ VC □ GS □ GP □ SS □ MWS □ SWSS	rila
2	50 50 000	55.45	□ VC □ GS □ GP □ SS □ MWS □ SWSS	Chick -
72	1300 1480	25-46	☑ VC ☐ GS ☐ GP ☐ SS ☐ MWS ☐ SWSS	you de manute change
			□ VC □ GS □ GP □ SS □ MWS □ SWSS	
-	 		□ VC □ GS □ GP □ SS □ MWS □ SWSS	

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ID	Protected Resources Encountered	Area	AMM's Implemented	Residual Impacts
1	Viral pools and fair shing	556/55-	GEN-10	None Fair Shirt waterned of
Z	Patriced trees	55-46	Vertica ound	Constitutionistimmed
Z	Santa Sue, and Taplet	55,46	VC	None
1	Dulley & Sp.	55-46	VCI	None
2	Calif Red-legged Lag hositer	55-46	VC5	I Transle would bond tooks only

NOTES AND RECOMMENDATIONS:
1030-1300 spent report thriting in Blag. 204.
Avoid all the send plants, keep nower/out of call and loged fing are.
Biologist Signature: Date: 1/6/11 HGL Field Supervisor Signature: Mankokhis Melanna Date: 1/6/11