

## IPaC resource list

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

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

### Location

San Diego County, California



### Local office

Carlsbad Fish And Wildlife Office

**\( (760) 431-9440** 

**(760)** 431-5901

2177 Salk Avenue - Suite 250 Carlsbad, CA 92008-7385

http://www.fws.gov/carlsbad/

## Endangered species

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

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

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

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

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

Listed species<sup>1</sup> and their critical habitats are managed by the <u>Ecological Services Program</u> of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries<sup>2</sup>).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact <u>NOAA Fisheries</u> for <u>species under their jurisdiction</u>.

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

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

### **Mammals**

NAME STATUS

Peninsular Bighorn Sheep Ovis canadensis nelsoni

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

https://ecos.fws.gov/ecp/species/4970

### **Birds**

NAME STATUS

Coastal California Gnatcatcher Polioptila californica californica There is final critical habitat for this species. Your location is outside the critical habitat.

https://ecos.fws.gov/ecp/species/8178

Threatened

Endangered

Least Bell's Vireo Vireo bellii pusillus

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

https://ecos.fws.gov/ecp/species/5945

Endangered

Southwestern Willow Flycatcher Empidonax traillii extimus

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

https://ecos.fws.gov/ecp/species/6749

Endangered

## **Amphibians**

NAME STATUS

Arroyo (=arroyo Southwestern) Toad Anaxyrus californicus There is **final** critical habitat for this species. Your location is outside the critical habitat.

https://ecos.fws.gov/ecp/species/3762

**Endangered** 

### Insects

NAME STATUS

**Quino Checkerspot Butterfly** Euphydryas editha quino (=E. e. wrighti)

Endangered

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

https://ecos.fws.gov/ecp/species/5900

### Critical habitats

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

This location overlaps the critical habitat for the following species:

NAME

**Quino Checkerspot Butterfly** Euphydryas editha quino (=E. e. wrighti)

https://ecos.fws.gov/ecp/species/5900#crithab

## Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act $^{1}$  and the Bald and Golden Eagle Protection Act $^{2}$ .

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described <u>below</u>.

**Final** 

- 1. The Migratory Birds Treaty Act of 1918.
- 2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

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

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

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

NAME

BREEDING SEASON (IF A
BREEDING SEASON IS INDICATED
FOR A BIRD ON YOUR LIST, THE

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

Allen's Hummingbird Selasphorus sasin

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

https://ecos.fws.gov/ecp/species/9637

Breeds Feb 1 to Jul 15

Black-chinned Sparrow Spizella atrogularis

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

https://ecos.fws.gov/ecp/species/9447

Breeds Apr 15 to Jul 31

Common Yellowthroat Geothlypis trichas sinuosa

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA <a href="https://ecos.fws.gov/ecp/species/2084">https://ecos.fws.gov/ecp/species/2084</a>

Breeds May 20 to Jul 31

Costa's Hummingbird Calypte costae

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA <a href="https://ecos.fws.gov/ecp/species/9470">https://ecos.fws.gov/ecp/species/9470</a>

Breeds Jan 15 to Jun 10

Golden Eagle Aquila chrysaetos

This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.

https://ecos.fws.gov/ecp/species/1680

Breeds Jan 1 to Aug 31

Lawrence's Goldfinch Carduelis lawrencei

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

https://ecos.fws.gov/ecp/species/9464

Breeds Mar 20 to Sep 20

Nuttall's Woodpecker Picoides nuttallii

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9410

Breeds Apr 1 to Jul 20

Oak Titmouse Baeolophus inornatus

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

https://ecos.fws.gov/ecp/species/9656

Breeds Mar 15 to Jul 15

Rufous Hummingbird selasphorus rufus

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

https://ecos.fws.gov/ecp/species/8002

Breeds elsewhere

Song Sparrow Melospiza melodia

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

Spotted Towhee Pipilo maculatus clementae

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA <a href="https://ecos.fws.gov/ecp/species/4243">https://ecos.fws.gov/ecp/species/4243</a>

Breeds Apr 15 to Jul 20

Breeds Feb 20 to Sep 5

Tricolored Blackbird Agelaius tricolor

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

https://ecos.fws.gov/ecp/species/3910

Breeds Mar 15 to Aug 10

Wrentit Chamaea fasciata

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Breeds Mar 15 to Aug 10

## **Probability of Presence Summary**

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

### Probability of Presence (■)

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

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

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that

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

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

### Breeding Season (=)

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

### Survey Effort (1)

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

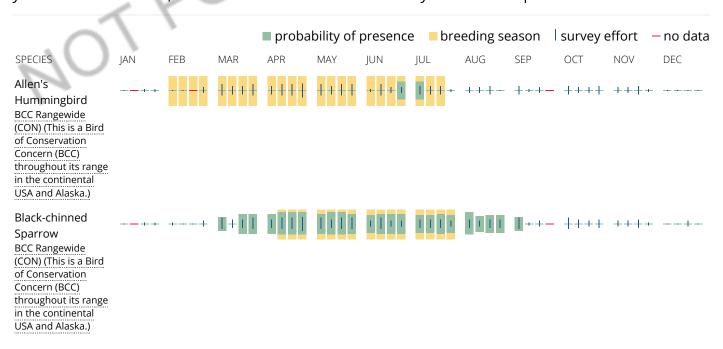
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

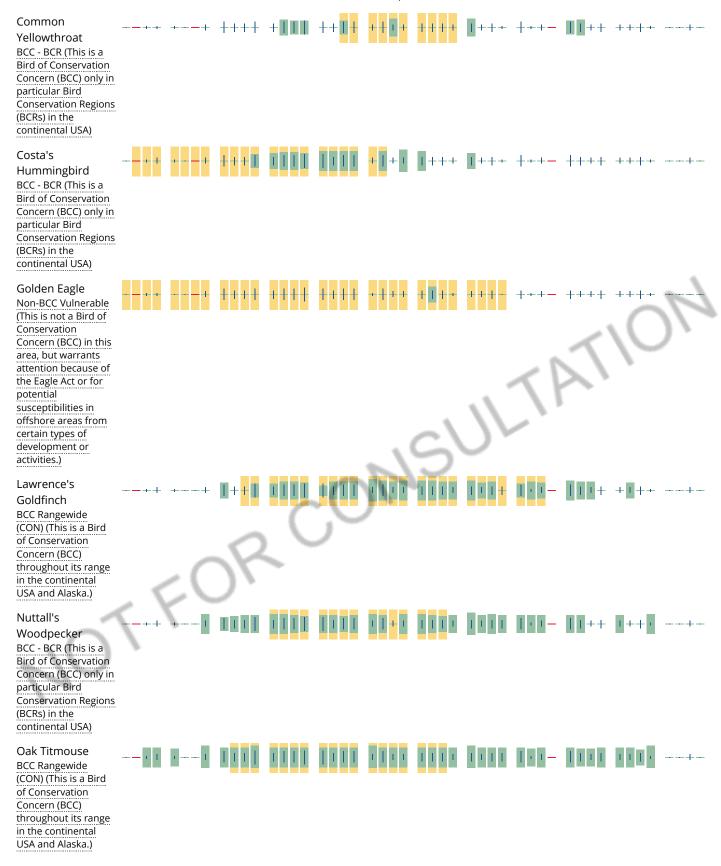
### No Data (-)

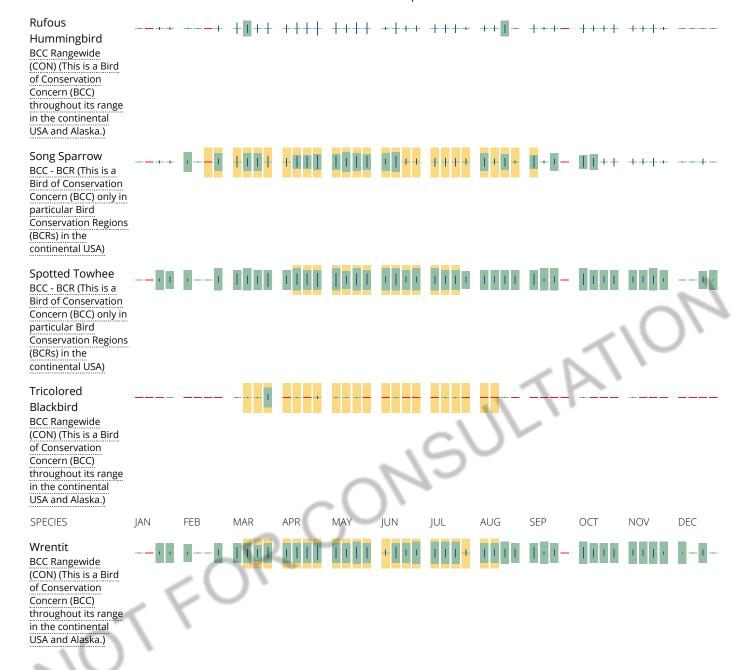
A week is marked as having no data if there were no survey events for that week.

### **Survey Timeframe**

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







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

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

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

The Migratory Bird Resource List is comprised of USFWS <u>Birds of Conservation Concern (BCC)</u> and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the <u>Avian Knowledge Network</u> (<u>AKN</u>). The AKN data is based on a growing collection of <u>survey</u>, <u>banding</u>, <u>and citizen science datasets</u> and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project

intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (<u>Eagle Act</u> requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the <u>E-bird Explore Data Tool</u>.

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

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

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

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

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

### What are the levels of concern for migratory birds?

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

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

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

### Details about birds that are potentially affected by offshore projects

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

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

#### What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to <u>obtain a permit</u> to avoid violating the Eagle Act should such impacts occur.

### Proper Interpretation and Use of Your Migratory Bird Report

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

## **Facilities**

## National Wildlife Refuge lands

Any activity proposed on lands managed by the <u>National Wildlife Refuge</u> system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS AT THIS LOCATION.

### Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

# Wetlands in the National Wetlands Inventory

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

For more information please contact the Regulatory Program of the local <u>U.S. Army Corps of</u> **Engineers District.** 

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

This location overlaps the following wetlands:

FRESHWATER EMERGENT WETLAND

PEM1A

PEM1B

PEM1C

PEM1Ch

JR CONSULTATIO FRESHWATER FORESTED/SHRUB WETLAND

PFO1A

PSS1A

**PSSAh** 

FRESHWATER POND

**PUSCx** 

**PUSCh** 

**PUSAh** 

**RIVERINE** 

R4SBA

R4SBC

R3UBF

A full description for each wetland code can be found at the National Wetlands Inventory website

### **Data limitations**

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

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

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

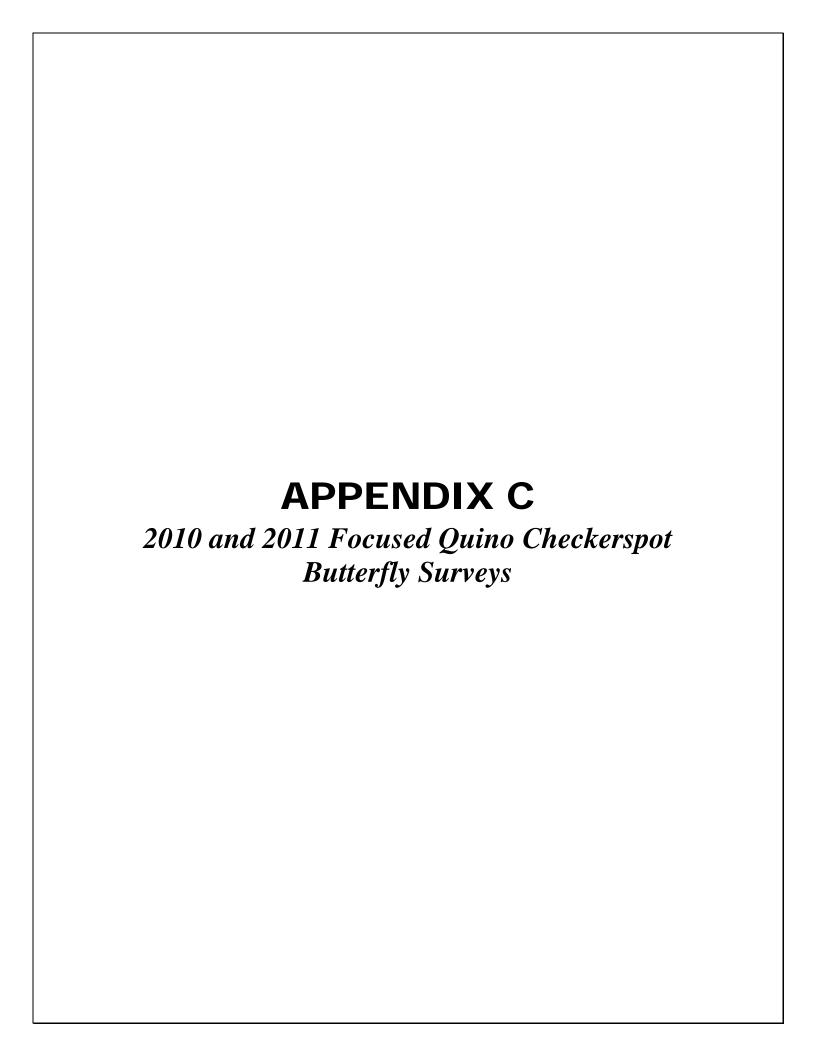
#### Data exclusions

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

#### **Data precautions**

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

TFOR CONSULTI





AECOM 1420 Kettner Boulevard Suite 500 San Diego, CA 92101 www.aecom.com 619.233.1454 tel 619.233.0952 fax

July 5, 2010

Ms. Sandy Marquez
Recovery Permit Coordinator
Carlsbad Fish and Wildlife Office
6010 Hidden Valley Road, Suite 101
Carlsbad, California 92011

RE: 45-Day Summary Report of Focused Surveys for the Quino Checkerspot Butterfly for the Campo Wind Energy Project

Dear Ms. Marquez:

In compliance with the Special Terms and Conditions for Endangered and Threatened Wildlife Species Permit TE-820658-4.6, AECOM submits this letter report summarizing the results of focused surveys conducted during 2010 for the federally listed endangered Quino checkerspot butterfly (*Euphydryas editha quino*; Quino) associated with the Campo Wind Energy Project. AECOM currently holds an Endangered and Threatened Species Permit issued by the U.S. Fish and Wildlife Service (USFWS) under Section 10(a) of the federal Endangered Species Act. This permit authorizes AECOM to conduct presence/absence surveys for Quino and other species.

### **Project Description**

The Campo Band of Mission Indians (a California federally recognized Indian tribe), Muht-Hei, Inc. (a tribally chartered corporation wholly owned by the Campo Band of Mission Indians), the Bureau of Indian Affairs, and Invenergy Wind California, LLC, propose construction and operation of a wind generation facility on the Campo Indian Reservation in southeastern San Diego County. This facility would be capable of generating up to 300 megawatts (MW) of electricity and would include turbine strings, substations, transmission facilities, and access roads. The exact footprint of project features is currently being designed. Generally, strings of 2.5-MW turbines are being considered for installation across ridgelines that do not contain residences throughout the reservation, including areas north and south of both Interstate 8 and State Route 94. Each turbine would be set on a large concrete foundation. Turbines would be connected by underground electrical cables to one or two substations. Each substation would be sited on approximately 2 to 3 acres and would consist of a graveled, fenced area containing transformer and switching equipment and an area to park utility vehicles. In addition, a three-phase overhead transmissions circuit would be constructed from each substation and would connect to the existing transmission network. Other likely facilities would include an Operations and Maintenance building; new access roads; and a temporary concrete batch plant. The biological survey area (BSA) identified for the proposed project includes approximately 4,417 acres. This acreage consists of all proposed project features with a 500-foot buffer around new, proposed features, and a 100-foot buffer around existing features of the site that are proposed to be used or modified (i.e., existing roads).



### **Site Description**

The Campo Indian Reservation includes lands both north and south of Interstate 8 along the Tecate Divide, extending to a quarter of a mile north of the California and Mexico international border (Figure 1). The reservation is located between the communities of Old Campo and Jacumba, around the community of Live Oak Springs, and bisected by Church Road (Figure 2). On-site elevation ranges from approximately 3,030 to 4,320 feet above mean sea level.

The BSA supports a variety of habitat types and vegetation communities but is dominated by chamise chaparral with both a monotypic phase and a mixed chaparral phase. Additional vegetation communities found throughout the site and especially along ridges and slopes include redshank chaparral, big sagebrush scrub, and Sonoran subshrub scrub. A series of north-south-running ridges is located throughout the proposed project site separated by shallow valleys consisting of coast live oak woodland, nonnative grassland, and southern willow scrub vegetation. Buckwheat scrub is interspersed throughout the chamise chaparral primarily in shallow valleys, along washes and roads, and along firebreaks. Various large rock-outcrops are scattered throughout the site but are primarily located along the ridgelines.

#### **Background Information**

The Quino was added to the federal Endangered Species List by USFWS on January 16, 1997 (USFWS 1997). The species (*E. editha*) has a range extending from British Columbia and Alberta, Canada, south through Colorado and Utah, and west along the coast to northern Baja California. It is divided into 20 subspecies, each of which has its own range and biological and morphological characteristics. In California, there are 12 subspecies (Garth and Tilden 1986). Three other subspecies of *E. editha* are currently known to occur in Southern California. The Quino is the southwesternmost subspecies of *E. editha* (Mattoni et al. 1997).

The Quino is known to occur in association with a variety of plant communities, soil types, and elevations (up to 5,000 feet). The plant communities include clay soil meadows, open grasslands, coastal sage scrub, chamise chaparral, red shank chaparral, juniper woodlands, and semi-desert scrub (Ballmer et al. 2001). The Quino is also associated with clay soils that possess cryptogamic crusts and vernal pools (USFWS 2002).

The Quino is a medium-sized butterfly (approximately 0.8- to 1.1-inch wingspan) belonging to the family Nymphalidae. The adults are primarily orange-red with white and have black markings on the dorsal wing surface. They are active primarily in March and April. This active period may vary depending on weather conditions (Ballmer et al. 2001). The adult butterfly feeds on nectar, which it obtains from spring annuals such as popcorn flower (*Cryptantha* spp.), Layia (*Layia glandulosa*), goldenbush (*Ericameria* spp.), pincushion (*Chaenactis* spp.), fiddleneck (*Amsinckia intermedia*), chia (*Salvia columbariae*), and blue dicks (*Dichelostemma pulchella*), among others. It cannot use flowers that possess deep corolla tubes, such as monkeyflower (*Mimulus* spp.), or those that can be opened by bees,

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such as snapdragons (USFWS 2002). Adult males and virgin females sometimes "hilltop," or travel to elevated locations to find mates. While waiting for females to arrive, the males will often exhibit "territorial behavior" and will chase other butterflies that approach them. Frequently, the butterflies are observed in meadows or clearings where their host plants occur (Ballmer et al. 2001).

A female may lay 20 to 75 eggs at one time and may produce up to 1,200 eggs in her lifetime. The eggs hatch in approximately 10 days under favorable weather conditions and the young larvae will immediately begin to feed upon a host plant. The feeding larvae use the dot-seed plantain (*Plantago erecta*), Patagonia plantain (*Plantago patagonica*), white snapdragon (*Antirrhinum coulterianum*), and Chinese houses (*Collinsia concolor*) as their host plants (Pratt 2009). Dark-tipped bird's-beak (*Cordylanthus rigidus*) and owl's clover (*Castilleja exserta*) are considered secondary hosts (USFWS 2002). New evidence suggests that Chinese houses is a primary larval food plant for Quino in the 900 to 1,300-meter elevation range (Pratt 2009), which is within the range coincident with the BSA.

After feeding, the early larva enters an obligatory aestival diapause (dormant stage), which may be broken after fall or winter rains (Murphy and White 1984; Osborne 1998). If adverse weather conditions occur, the emergent larva may reenter a diapause stage repeatedly, for up to 5 or 6 years, until favorable weather conditions permit sufficient growth of the host plant to allow the larva to complete its development.

The Quino was once common in Southern California. It ranged north into Ventura County, west to the Pacific Ocean, east to the deserts, and south into northern Baja California. Currently, it is known to occur only in a few, probably isolated, colonies in southwestern Riverside County, San Diego County, and northern Baja California.

Reasons for the butterfly's reduction in population are not well understood. Habitat loss due to degradation and fragmentation caused by urban and rural development, agricultural conversion, off-road-vehicular use, the invasion of nonnative plants and insects, fire management practices, overcollecting, and adverse weather conditions have likely contributed to the species' decline (USFWS 1997).

USFWS recommends that focused Quino surveys be conducted a minimum of five times during the adult flight season by biologists possessing a recovery permit for this species pursuant to Section 10(a)(1)(A) of the Endangered Species Act. The Quino flight season within a given area is determined by the activity of known Quino populations that are monitored annually by USFWS.

#### **Survey Methodology**

#### **Habitat Assessment**

Prior to the initiation of surveys, a focused habitat assessment of the 4,417-acre BSA was conducted from March 1 through March 5 and March 15 through March 17. One additional

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day of habitat assessments was conducted on March 22 for adjustments to the proposed project footprint that were added during the week of March 8. Habitat assessments were conducted by Project permitted biologists David Faulkner, Martha Heath, Michael Klein, Ken Osborne, and Dale Powell. These permitted biologists were assisted by project supervised biologists Andrew Fisher and Shirley Innecken.

An internal meeting took place on March 10, 2010, to compile, review, and discuss the results of initial habitat assessments with project biologists Barbra Calantas, Dave Faulkner, Andrew Fisher, Michael Klein, and Erin Riley. Upon review of the initial habitat assessment mapping, differences in the interpretation of the USFWS Quino survey protocol (USFWS 2002) with regard to chaparral density and areas to include or exclude from surveys were identified and discussed. The survey protocol recommends excluding "dense chaparral" and "small openings (less than an acre) completely enclosed within dense chaparral." It further defines "dense chaparral" as "vegetation so thick that it is inaccessible to humans except by destruction of woody vegetation for at least 100 meters."

Ken Osborne defined excluded habitat using a strict interpretation of the protocol definition of dense chaparral. David Faulkner and Michael Klein applied a more restrictive interpretation of the protocol as it applied to the BSA than initially assumed in many areas. Their interpretation of excluded areas resulted in a narrowing of habitat to be surveyed. This was based on refining the mapping of dense chaparral to include vegetation that was relatively easily traversed and thought to be the optimal Quino habitat on-site. It was decided at this meeting that field review of initial habitat assessments would take place to ensure a consistent interpretation of the survey protocol and approach on habitat assessment mapping throughout the BSA.

These conclusions regarding the mapping of potential Quino habitat during the habitat assessment were discussed at a meeting on March 11, 2010, with USFWS, Invenergy, Lisa Gover (Campo Environmental Protection Agency), AECOM, and subcontracted biologist David Faulkner. At this meeting, AECOM and Invenergy provided a background of the project and discussed biological surveys scoped for the project. AECOM and David Faulkner provided the results of the initial habitat assessment mapping. David Faulkner described conditions at various specific areas within the survey area boundary and adjacent areas based on his experience completing Quino surveys for the proposed Campo Landfill project in prior years. He explained why these areas were or were not suitable for Quino, stating that most excluded areas consisted of closed-canopy chaparral (AECOM 2010).

It was agreed upon at the March 11, 2010, meeting that focused surveys should likely start the week of March 22, 2010, based on site conditions and seasonal weather patterns. Also, it was discussed that a typical survey week could be expected to last as long as 9 to 10 calendar days instead of the usually 7-day week due to adverse weather conditions given the elevation and interior mountain location of the site. USFWS agreed on the approach to habitat assessments that was discussed at the March 11, 2010 meeting. USFWS also concurred on the start date and survey week length.

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Follow-up field review of Quino habitat assessments took place from March 15 through March 17, 2010. AECOM staff, Michael Klein, and David Faulkner conducted this second round of habitat assessments. Thus, areas defined as suitable Quino habitat during the first week of habitat assessments were reassessed to further refine mapping of closed-canopy chaparral habitat. The resulting 1,806 acres of included habitat is depicted in Figure 3 (see "original survey area").

As the focused adult surveys ensued, some surveyors observed patches of open habitat in the dense chaparral they deemed suitable for the species. Starting in survey week 2, Quino observations were made outside of the original survey area (Figure 3). The survey area was expanded during survey week 2 to include additional trails and narrow openings in the chaparral that were not easily visible during habitat assessments. The expanded survey area is depicted in Figure 3 and constitutes approximately 541 additional acres.

The total original Quino survey area within the BSA is approximately 1,806 acres. Focused surveys were conducted for 6 weeks over this 1,806-acre survey area according to the most current USFWS protocol (USFWS 2002). The expanded survey area, comprised of 541 acres, was surveyed according to the survey guidelines during weeks 2 through 6, thus receiving a full 5 weeks of surveys and spanning the entire documented 2010 flight season of the species in the BSA (Figure 3). Thus, focused surveys were conducted for a minimum of 5 weeks over the entire 2,347-acre survey area according to the most current USFWS protocol (USFWS 2002).

The final habitat assessment map including both the original and expanded survey areas and depicting all excluded habitats is presented on USGS Quad maps at 200 percent (Figure 4). Host plant locations are also depicted on the habitat assessment maps. The criteria for including habitat in the final survey area include the following:

- chaparral and scrub communities with passable openings between shrubs
- dirt roads and trails
- open hilltops and ridges
- rock outcroppings
- areas with concentrated nectaring sources and host plants

#### Focused Adult Quino Surveys

The start date for focused adult Quino surveys was determined based on the following: (1) the first detection of Quino during surveys for another project on the Campo Indian Reservation directly adjacent to the proposed project the previous year; (2) conditions at the project site this year relative to last year; and (3) conditions at the Jacumba reference site monitored by USFWS. Project biologists Michael Klein and David Faulkner conducted focused surveys for the proposed Campo Landfill project in previous years and provided input that the first Quino detections at the Campo Landfill site occurred around the third week of March the previous year. Based on this information, Ken Osborne stated that the flight season would likely begin at the Jacumba reference site around the third week of

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March (Osborne 2010). However, based on colder temperatures at the site in mid-March, which delayed the flight season by at least by another week, and the lack of Quino at the Campo Landfill site that was being monitored during that time, it later was agreed that the fourth week of March would be an appropriate start date for surveys. Thus, focused adult surveys commenced on March 22, 2010, by surveyors Natalie Brodie, Gretchen Cummings, David Flietner, Martha Heath, Erik LaCoste, Brian Lostroh, Viviane Marquez, Margie Mulligan, Ken Osborne, Andrew Pigniolo, and Dale Powell.

The survey routes of each permitted biologist were recorded and mapped electronically using Garmin Global Positioning System (GPS) units. A list of all biologists who conducted habitat assessments and focused surveys, and their corresponding permit numbers is provided in Table 1. A summary of the survey schedule is presented in Table 2.

Table 1
Survey Personnel and TE Permit Numbers

Biologist	#TE Permit Number
Erin Bergman	#TE-820658 (supervised)
Natalie Brodie	#TE-135948
Michael Couffer	#TE-782703
Gretchen Cummings	#TE-031850
Frank Dittmer	#TE-225938
David Faulkner	#TE-838743
Andrew Fisher	#TE-820658 (supervised)
David Flietner	#TE-008031
Antonette Gutierrez	#TE-797999
Martha Heath	#TE-099005
Bonnie Hendricks	#TE-820658
Shirley Innecken	#TE-820658 (supervised)
Diana Jensen	#TE-797999
Michael Klein	#TE-039305
Gina Krantz	#TE-797999 (supervised)
Erik LaCoste	#TE-027736
Brian Lohstroh	#TE-063608
Viviane Marquez	#TE-800930
James McMorran	#TE-820658 (supervised)
Margie Mulligan	#TE-233291
Ken Osborne	#TE-837760
Andrew Pigniolo	#TE-053020
Dale Powell	#TE-006559
Steve Rink	#TE-797999



Table 2
Quino Checkerspot Butterfly Survey Schedule

Survey Week	Date	Survey Team	# Calendar Days <sup>2</sup>	# Person Days	Survey Rate
1	03/22/2010 – 04/02/2010	Brodie, Cummings, Faulkner, Fisher <sup>1</sup> , Flietner, Heath, Innecken <sup>1</sup> , LaCoste, Lohstroh, Marquez, McMorran <sup>1</sup> , Mulligan, Osborne, Pigniolo, Powell	12 (5 days cancelled, 3 days delayed due to weather)	24	75 acres/day
2	04/02/2010 – 04/17/2010	Bergman <sup>1</sup> , Brodie, Couffer, Cummings, Faulkner, Flietner, Gutierrez, Hendricks, Innecken <sup>1</sup> , Jensen, LaCoste, Lohstroh, McMorran <sup>1</sup> , Mulligan, Osborne, Powell	14 (3 days cancelled, 2 days delayed due to weather)	29	81 acres/day
3	04/18/2010 – 04/26/2010	Bergman <sup>1</sup> , Brodie, Couffer, Faulkner, Gutierrez, Hendricks, LaCoste, Lohstroh, Mulligan, Powell	7 (2 days cancelled, 2 days ended early due to weather)	27	87 acres/day
4	04/27/2010 – 05/05/2010	Bergman <sup>1</sup> , Brodie, Couffer, Dittmer, Faulkner, Fisher <sup>1</sup> , Flietner, Gutierrez, Krantz, Hendricks, Lohstroh, Mulligan, Pigniolo, Powell, Rink	9 (3 days cancelled due to weather)	30	78 acres/day
5	05/05/2010 — 05/11/2010	Brodie, Couffer, Faulkner, LaCoste, Marquez, McMorran <sup>1</sup> , Mulligan, Osborne, Powell	8 (3 days cancelled due to weather)	24	97 acres/day
6	05/12/2010 – 05/20/2010	Brodie, Couffer, Faulkner, Flietner, Lohstroh, Marquez, Mulligan, Powell	8 (1 day cancelled, 1 day ended early due to weather)	23	99 acres/day

Supervised to survey under TE# 820658.

#### Results

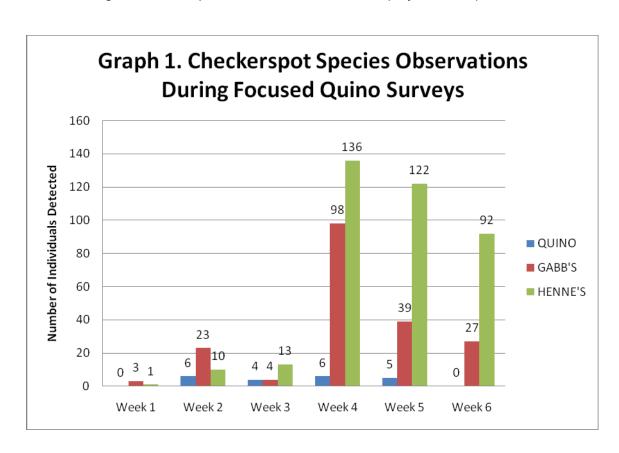
Six weeks of focused surveys were conducted for the approximate 1,806 acres of the original focused survey area, shown in Figure 3. The expanded focused survey area of approximately 541 acres was surveyed from weeks 2 through 6 according to the USFWS protocol (USFWS 2002).

<sup>&</sup>lt;sup>2</sup> Cancelled calendar days, delayed calendar days, and calendar days where surveys were ended early are a result of unacceptable weather conditions outlined in the USFWS protocol.



After 5 weeks of surveys, it was determined that a sixth week of Quino surveys at the site was necessary, based on continued observations of Quino individuals during the fifth week that appeared in moderate condition with minimal fading of wing color and fraying of wing edges. Potential larval host plants, including Chinese houses, were blooming with increasing abundance during survey week 5. While the actual blooms of Chinese houses do not benefit Quino larvae, the blooming cycle indicates that Chinese houses were still green and supple, and had not yet dried up during the Quino survey season. Thus, the host plants were still available for Quino larvae to feed on during the Quino survey season. Based on the continued presence of adult Quino and blooming stage of potential larval host plants during survey week 5, a sixth week of focused adult Quino surveys was added to the season. Per discussions with USFWS during survey week 5, Eric Porter and the project team determined that area already surveyed during weeks 1 through 5 in the southern third of the BSA did not need additional focused surveys (Figure 3) (Meyer 2010). This determination was based on number of Quino observations that clearly established presence of the species in this area (Figure 3).

Three checkerspot species were detected on-site, Quino, Gabb's checkerspot (*Chlosyne gabbi*), and Henne's chalcedon checkerspot (*Euphydryas chalcedona*). Observations of these three species overlapped with the exception of survey weeks 1 and 6 (no Quino detected during these weeks). These observations are displayed in Graph 1.



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Survey-specific weather conditions and personnel are presented in Appendix A. Field datasheets are included as Appendix B.

A total of 61 butterfly species and various moth species were detected within the survey area, with peak numbers generally occurring during survey weeks 3 and 4. A list of all butterfly species observed within the survey area each survey week is summarized in Appendix C. A list of potential nectaring plant species in flower each survey week is presented in Appendix D. Generally, nectaring plants increased in diversity and abundance during survey weeks 3 and 4, which coincided with the times that Quino and other checkerspots were observed in greatest abundance. A list of vertebrate species detected during focused Quino surveys is presented in Appendix E.

During spring 2010, vegetation mapping and rare plant surveys were ongoing and concurrent with focused Quino surveys for the project. Botanists conducting vegetation mapping and rare plant surveys across 100 percent of the BSA also mapped all potential Quino larval host plants observed, including Chinese houses, Coulter's snapdragon, and dark-tip bird's beak. On-site, Chinese houses was the most abundant potential host plant and was associated with the chaparral understory and adjacent open areas of habitat. Coulter's snapdragon was also associated with the chaparral understory and open areas. Of these three species observed within the survey area, only Chinese houses was vegetatively mature as early as April, during the peak of Quino observations. The blooming period for Chinese houses on-site during spring 2010 was from mid-April to late-June. This species was past its peak bloom and in full fruit by late June. The other two species documented onsite, dark-tip bird's beak and Coulter's snapdragon, were present only as small basal rosettes and/or diminutive, immature plants in April. Coulter's snapdragon began blooming in early May in some areas, and dark-tip bird's beak is not expected to fully mature and bloom until July. All host plants that were detected within the survey area, including observations made by Quino surveyors and botanists during rare plant surveys, are provided in Figure 5.

Twenty-one Quino observations were made during the survey period during focused surveys. Two of these observations were likely of the same individual Quino due to distinct markings; therefore, 20 distinct Quino individuals were observed during focused surveys. Six additional Quino observations occurred incidentally during non-Quino project-specific survey efforts, which represent at least four distinct Quino individuals. Therefore, a minimum of 24 distinct Quino individuals were observed within the Campo Indian Reservation during the survey period, with a maximum of 27 observations made. Among these, eight of the observations occurred just outside the project boundaries on the Campo Indian Reservation as surveyors walked to and from their vehicle to access the site. All Quino detections are displayed in Figures 3 and 4. Information for each Quino sighting, including the survey week (where applicable), date, time, weather conditions, surveyor, and number of Quino individuals detected, is provided in Table 3. Detailed information on each sighting, including weather conditions, habitat conditions, and photographs of the habitat and/or individual(s) detected as applicable, is provided in the corresponding 24-hour notification letter (Appendix F).



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**Quino Checkerspot Butterfly Observations** Table 3

Number of	Quino	3 individuals	2 individuals	1 individual	2 individuals	1 individual	1 individual <sup>3</sup>	1 individual	2 individuals	1 individual	1 individual	1 individual	1 individual <sup>4</sup>	1 individual	1 individual	1 individual	2 individuals	1 individual	1 individual <sup>5</sup>	2 individuals	1 individual
	Date Reported to USFWS	04/09/2010	4/12/2010	04/14/2010	04/16/2010	04/16/2010	04/16/2010	04/16/2010	04/19/2010	04/26/2010	04/27/2010	04/29/2010	04/29/2010	04/29/2010	04/29/2010	04/29/2010	05/02/2010	05/07/2010	05/07/2010	05/07/2010	05/07/2010
Observer/	Permitted Biologist	Andrew Fisher <sup>2</sup> , James McMorran <sup>2</sup>	Dave Flietner, Erin Bergman <sup>2</sup>	Michael Couffer	Ken Osborne	Andrew Fisher <sup>2</sup>	Andrew Fisher <sup>2</sup> , James McMorran <sup>2</sup>	Bonnie Hendricks	Michael Couffer	Michael Couffer	Michael Couffer	Andrew Fisher <sup>2</sup>	Michael Couffer	Dale Powell, Andrew Fisher <sup>2</sup>	Michael Couffer	Michael Couffer	Michael Couffer, Andrew Fisher <sup>2</sup>	Antonette Gutierrez, Gina Krantz²	Michael Couffer	Michael Couffer	Michael Couffer
%	Cloud	0	0	0	10	0	100	0	2	0	0	15	2	0	10	10	0	0	0	0	0
	Wind	1-3 mph	0	3 mph	0	3.3 mph	3.5-8 mph	1.7-4.2 mph	0-5 mph	0-3 mph	0-3 mph	1-7 mph	7-13 mph	5-7 mph	0-2 mph	0-4 mph	2-5 mph	1-5 mph	1-5 mph	1-3 mph; 0-5 mph	0-6 mph
	Temp	68.0°F	73.0°F	58.0°F	73.0°F	64.4°F	72.0°F	71.5°F	75.0°F	82.0°F	82.0°F	74.0°F	80.0°F	74.0°F	76.0°F	76.0°F	64.0°F	73.0°F	73.0°F	71.0°F; 76.0°F	76.0°F
	Time	12:40-13:15	13:00-13:15	10:30	15:48-15:57	10:15	13:15	10:10	13:45	13:20	14:13	11:45	12:40	12:27	14:45	15:40-15:47	09:58-10:08	08:45	10:44	10:28; 12:04	11:25
	Date	04/08/2010	04/09/2010	04/13/2010	04/15/2010	04/15/2010	04/15/2010	04/16/2010	04/19/2010	04/24/2010	04/26/2010	04/27/2010	04/27/2010	04/27/2010	04/27/2010	04/27/2010	05/01/2010	05/06/2010	05/06/2010	05/06/2010	05/07/2010
	Survey Week	21	2	2	2	21	21	2	3	3	3	4	4	4	4	4	4	5	2	2	5
	Observation Number	-	2	3	4	2	9	7	8	6	10	11	12	13	14	15	16	17	18	19	20

Quino not observed during a focused survey; individual(s) observed incidentally during project avian surveys.

<sup>2</sup> Supervised. All observations made by supervised biologists were verified through photographs taken of the Quino individuals (see Appendix F). <sup>3</sup> Individual is likely the same as one of three individuals documented in Observation 1.

<sup>4</sup> Likely the same Quino individual observed in Observation 11. <sup>5</sup> Likely the same Quino individual observed in Observation 17.



Quino detections are primarily concentrated in the southern portion of the project area south of State Route 94. There are also at least four sightings in the northern portion of the project area near Interstate 8. One area of habitat in the southern portion of the site was adjacent to a previously known Quino location (Faulkner 2010). This area had the highest density of Quino individuals observed, with a cluster of nine total Quino observations throughout the survey period in the expanded survey area (Figure 3 – Inset 3).

#### Discussion

A total of 27 individual Quino observations (representing a minimum of 24 individual Quino) were made during the flight season, with likely repeat observations of the same individuals in at least three cases (Figure 3 - Inset 2 and Inset 3).

As recorded in Table 3, no Quino were detected during survey week 1. The first detection of Quino this season occurred on April 8, 2010, during the week 2 survey period. Quino were detected during survey weeks 2 through 5. No Quino were detected during survey week 6 on-site. Thus, the survey window of March 22 to May 20 appears to have appropriately encompassed the flight season for Quino at the project site this year.

After conclusion of the field season on June 24, 2010, an internal meeting between AECOM biologists and subconsultant biologists (Barbra Calantas, Michael Couffer, David Faulkner, Andrew Fisher, Bonnie Hendricks, Scott McMillan, Antonette Gutierrez, Ken Osborne, and Erin Riley) took place to discuss focused survey results and conclusions.

This meeting assessed results of adult focused surveys, host plant mapping and vegetation mapping across the entire BSA. In comparing the focused Quino survey area to the larger BSA, spans of dense chaparral with small openings exist outside of the survey area. These areas may incur some use by Quino at a reduced level. These spans of dense chaparral are suitable for the overall persistence of the population but do not consist of high quality Quino habitat. These areas lack concentrations of resources that would be likely to support dense localized Quino numbers or use at this point in time given the maturity of the chaparral community based on lack of recent fire or other disturbances. These areas of dense chaparral include hilltops/ridgelines and populations of host plants and nectaring sources that may serve as a resource to some degree to the local Quino population despite being excludable by interpretation of the survey protocol.

The total area surveyed, including the original and expanded survey areas (2,347 acres), represents what is considered the optimal habitat for Quino on-site. Of the areas surveyed, Quino were observed in a small percentage of the total survey area. The Quino is known to undergo population fluctuations with extirpation of local populations and recolonization of new areas in a fashion characteristic of metapopulation dynamics (Osborne 1998). Thus, the participants of the June 24 meeting concluded that a larger area of suitable habitat totaling 3,456 acres is potentially supporting the persistence of the species. Much of this area was excluded from surveys based on the presence of dense chaparral. However, the larger area of suitable habitat defined in Figure 5 includes all chaparral with host plants and



occasional openings (>1 acre). This area of suitable habitat is most relevant for discussing the larger patterns of species distribution through space and time (Figure 5).

If you have any questions or comments regarding this letter report, please contact me at (619) 233-1454.

Sincerely,

Barbra Calantas

Associate Wildlife Biologist barbra.calantas@aecom.com

Attachments: Figure 1 – Regional Map

Figure 2 – Vicinity Map

Figure 3 – Quino Survey Area and Detections

Figure 4 – Quino Habitat Assessment (Map Pocket)

Figure 5 – Quino Larval Host Plants and Suitable Habitat

Appendix A – Daily Weather Conditions for Focused Quino Surveys on

Campo Wind Energy Project

Appendix B – Field Data Sheets

Appendix C – Summary of Butterfly and Moth Species Observed during

Focused Quino Checkerspot Butterfly Surveys for the Campo

Wind Energy Project

Appendix D – Weekly Flowering Plant Observations for Campo Wind

**Energy Project** 

Appendix E – Vertebrate Species Detected during Focused Quino Surveys

for Campo Wind Energy Project

Appendix F – 24-hour Notification Letters to USFWS

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### **Certification**

Qualified biologists who conducted Quino checkerspot butterfly habitat assessments and focused adult surveys for the Campo Wind Energy Site certify that the information in this survey report fully and accurately represents the work performed by AECOM biologists. Signatures of permitted biologists as listed in Table 1 who conducted focused surveys (March 22 through May 20, 2010) are included below. The results of focused surveys for listed species are typically considered valid for 1 year by the resource agencies.

Bonnie Hendricks AECOM Quino Surveyor

Michael Couffer Subcontracted Quino Surveyor

Frank Dittmer Subcontracted Quino Surveyor

Martha Heath Subcontracted Quino Surveyor

Diana Jensen Subcontracted Quino Surveyor Natalie Brodie

Subcontracted Quino Surveyor

Gretchen Cummings

retales Cummings

Subcontracted Quino Surveyor

David Faulkner

Subcontracted Quino Surveyor

Steve Rink

Subcontracted Quino Surveyor

Erik LaCoste

Subcontracted Quino Surveyor

**Brian Lohstroh** 

Bonn S. Lo

Subcontracted Quino Surveyor

Margie Mulligan

Subcontracted Quino Surveyor

Andrew Pigniolo

Subcontracted Quino Surveyor

**Antonette Gutierrez** 

Subcontracted Quino Surveyor

Tane Marque

Viviane Marquez

Subcontracted Quino Surveyor

Ken Osborne

Subcontracted Quino Surveyor

Dale Powell

Subcontracted Quino Surveyor

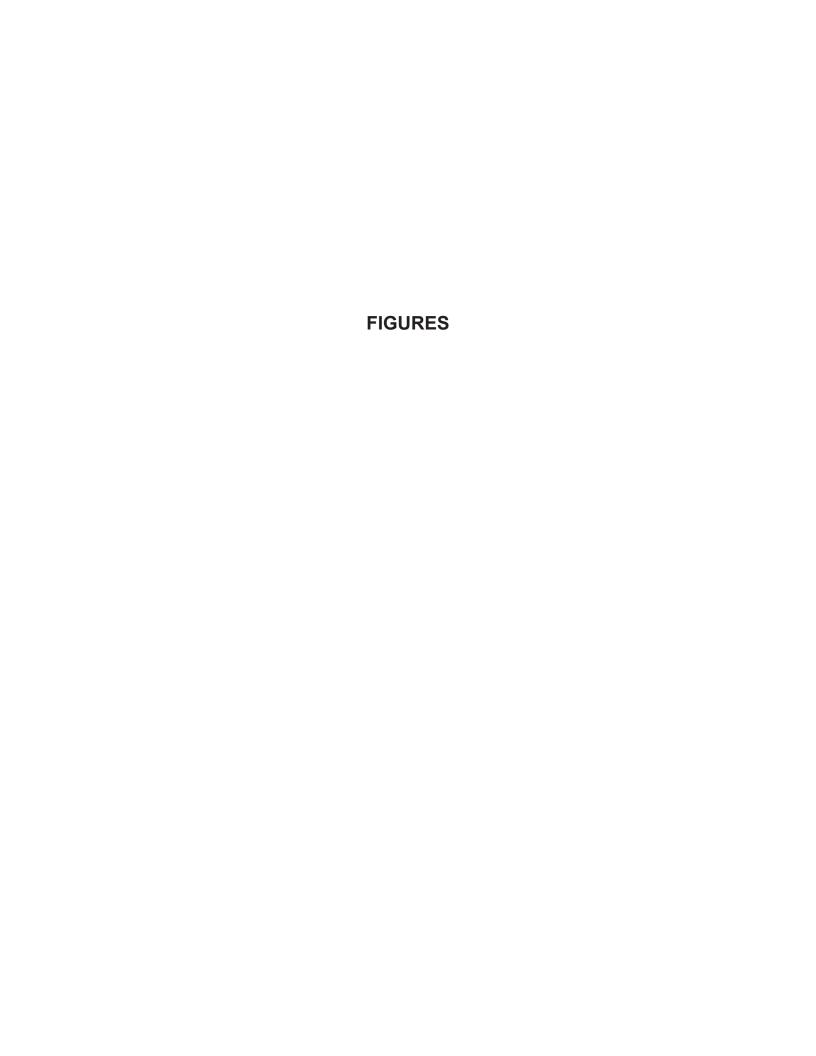
**David Flietner** 

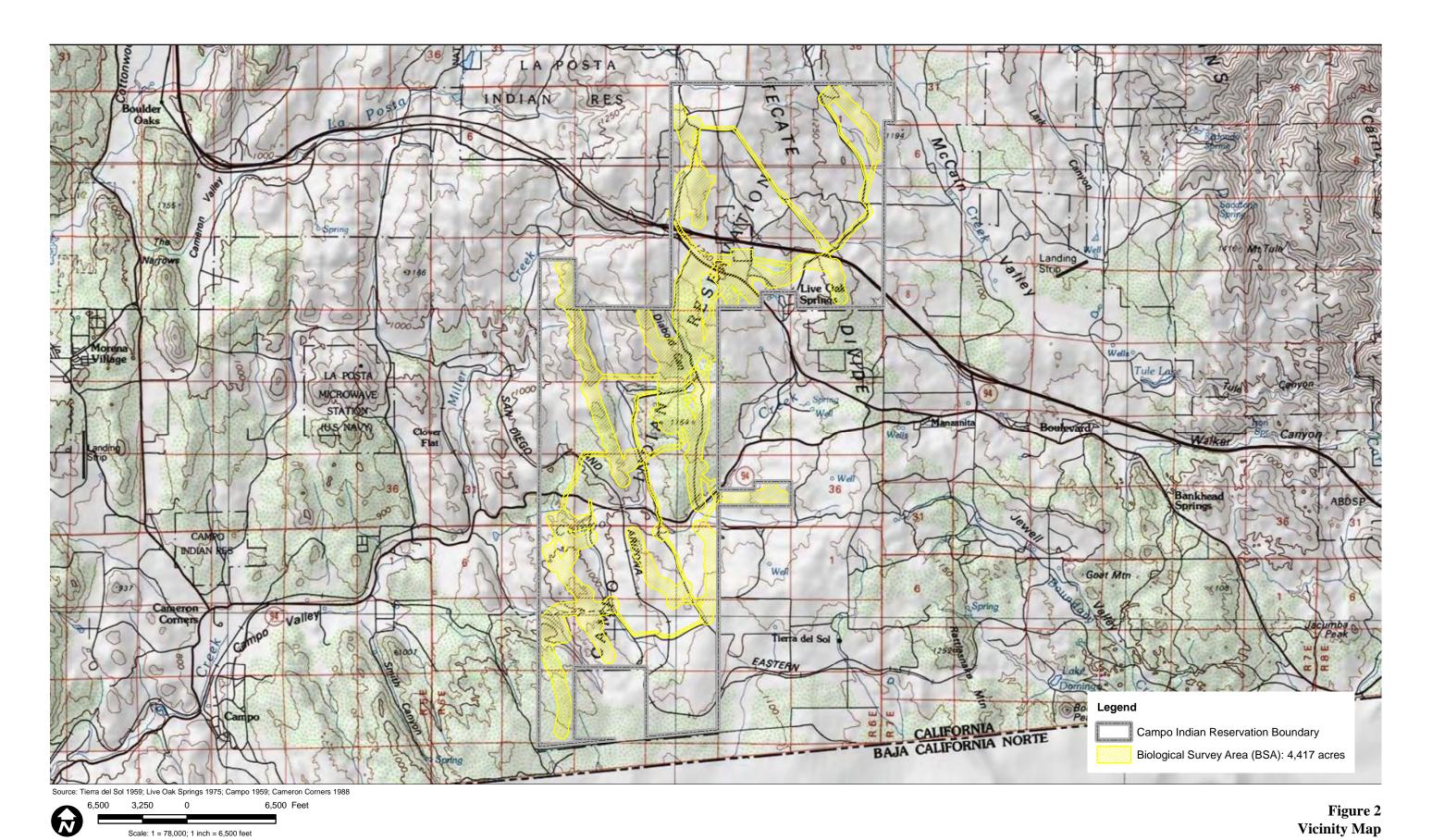
Subcontracted Quino Surveyor



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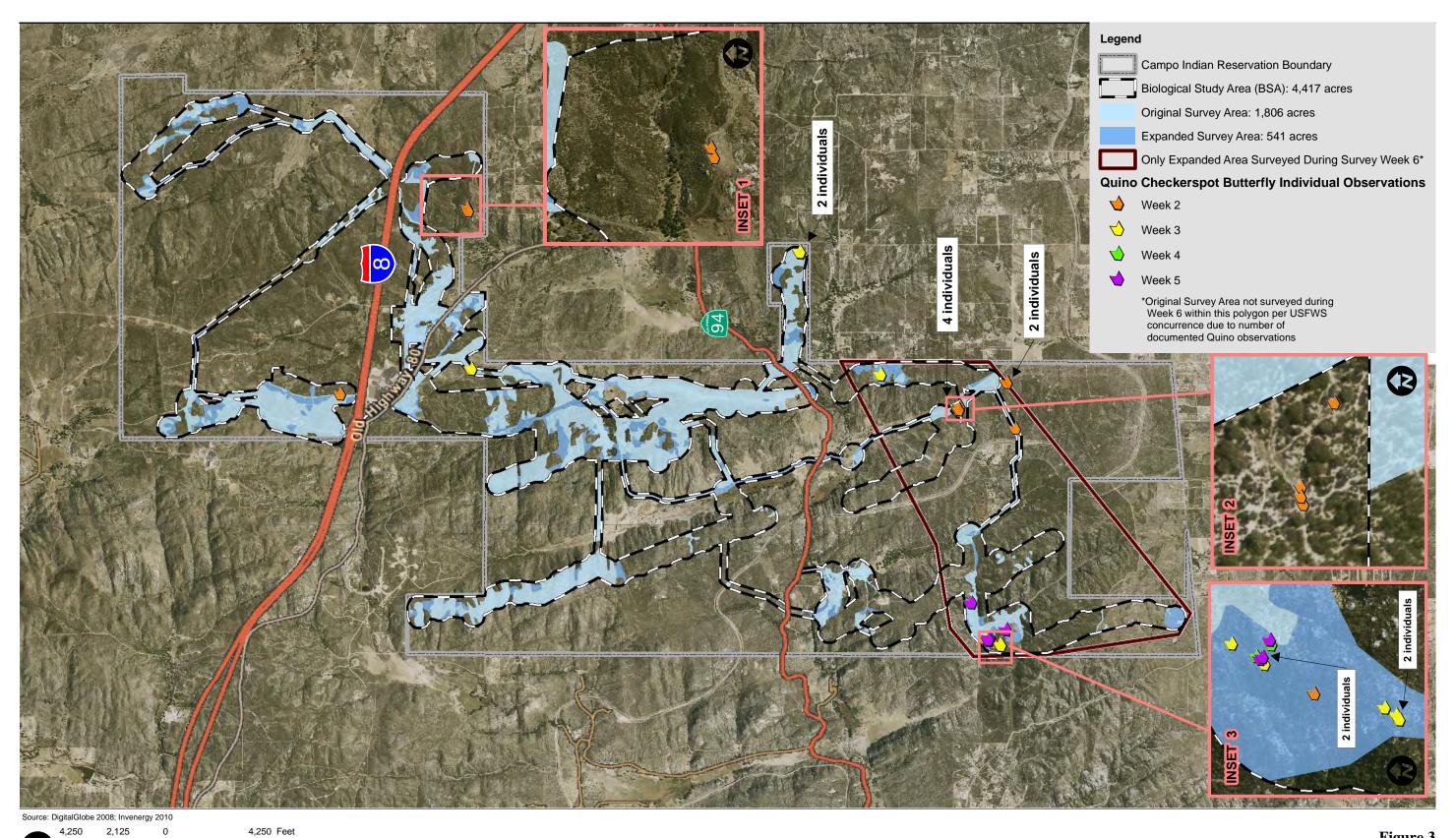
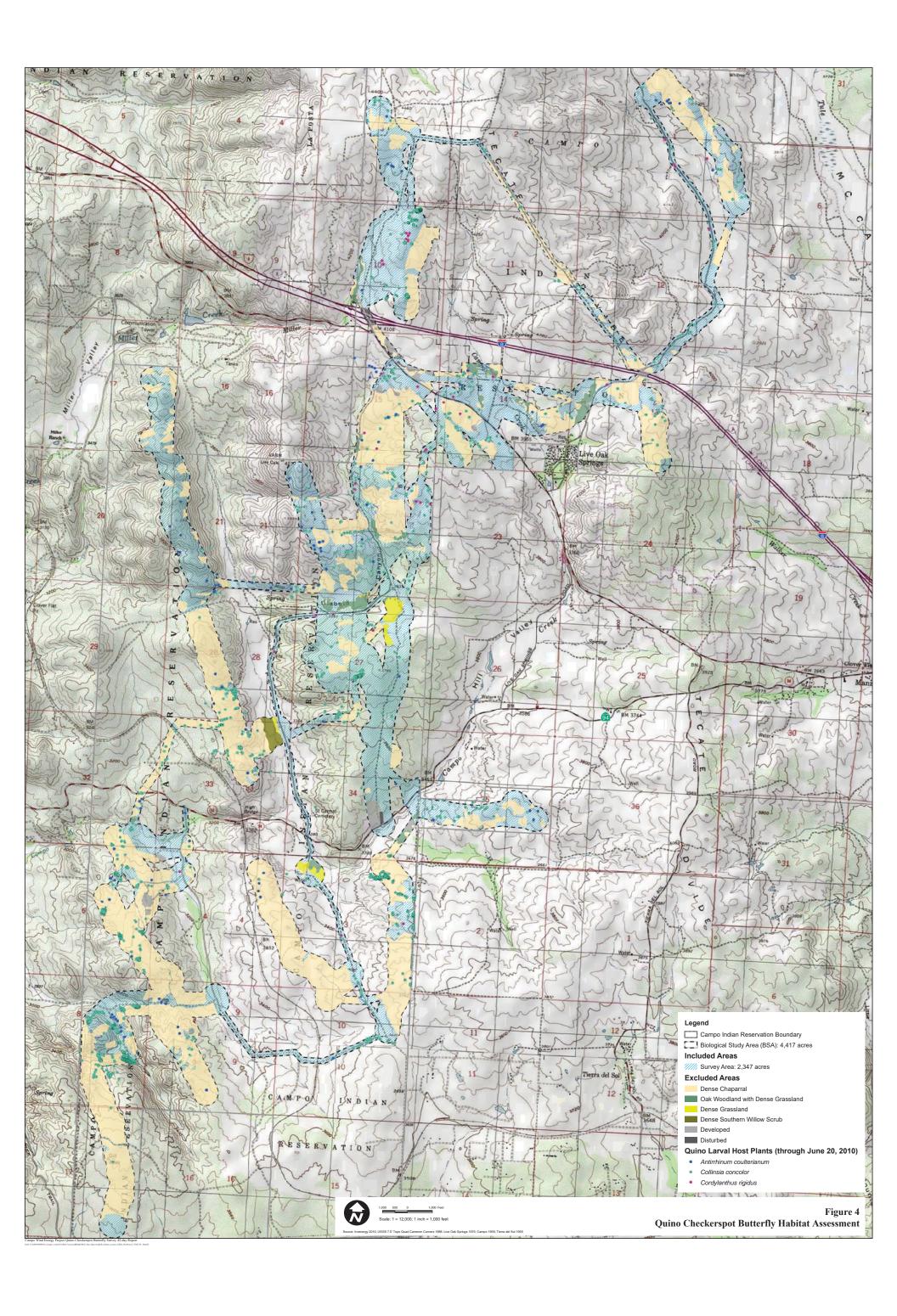
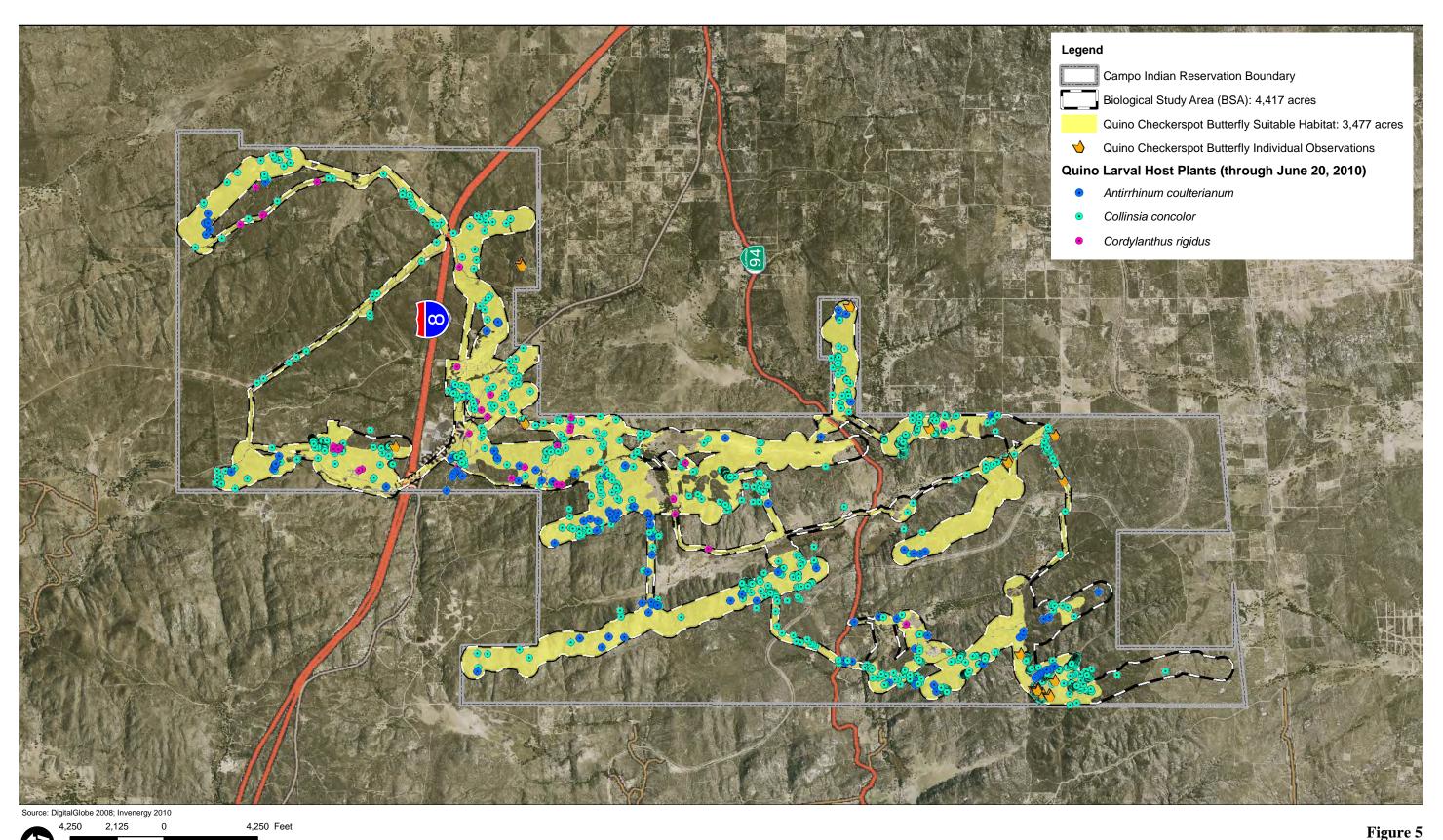


Figure 3 **Quino Checkerspot Butterfly Survey Area and Detections** 

Scale: 1 = 51,000; 1 inch = 4,250 feet





Campo Wind Energy Project Quino Checkerspot Butterfly Survey 45-day Report

Scale: 1 = 51,000; 1 inch = 4,250 feet

## **APPENDIX A**

## DAILY WEATHER CONDITIONS FOR FOCUSED QUINO SURVEYS ON CAMPO WIND ENERGY PROJECT

## APPENDIX A DAILY WEATHER CONDITIONS FOR FOCUSED QUINO SURVEYS ON CAMPO WIND ENERGY PROJECT

Date	Survey Week	Personnel	Time	Temperature (°F)	Wind Speed Average/ Maximum (mph)	Cloud Cover (%)	General Sky Condition
3/22/2010	1	Pigniolo	1030	61	0/2	20	patchy
3/22/2010	1	Pigniolo	1130	61	2/6	60	overcast
3/22/2010	1	Pigniolo	1230	63	2/6	85	overcast
3/22/2010	1	Pigniolo	1330	57	2/6	95	overcast
3/22/2010	1	Pigniolo	1400	58	2/6	100	overcast
3/22/2010	1	Marquez	1015	66.8	3.4/6.2	10	patchy
3/22/2010	1	Marquez	1140	67.2	0.6/1.6	60	patchy
3/22/2010	1	Marquez	1300	65.5	4.7/8.7	100	overcast
3/22/2010	1	Marquez	1400	63.8	2.1/4.8	100	overcast
3/22/2010	1	Marquez	1425	62.9	5.4/9.9	100	overcast
3/22/2010	1	Heath	1000	61	8/9	10	patchy
3/22/2010	1	Heath	1115	63	7.2/10.5	25	patchy
3/22/2010	1	Heath	1200	63	3.5/6.5	75	patchy
3/22/2010	1	Heath	1300	62	3.5/6.5	95	overcast
3/22/2010	1	Heath	1400	58.5	5.6/9.9	100	overcast
3/22/2010	1	Lohstroh	920	61	0/5	10	clear
3/22/2010	1	Lohstroh	1000	64	0/3	20	patchy
3/22/2010	1	Lohstroh	1100	61	3/5	40	patchy
3/22/2010	1	Lohstroh	1200	61	3/5	60	patchy
3/22/2010	1	Lohstroh	1300	60	3/5	100	overcast
3/22/2010	1	Lohstroh	1400	60	3/5	100	overcast
3/22/2010	1	Lohstroh	1445	60	3/5	100	overcast
3/22/2010	1	Faulkner	1000	65	2	30	patchy
3/22/2010	1	Faulkner	1100	68	3	50	patchy
3/22/2010	1	Faulkner	1200	68	5	70	patchy
3/22/2010	1	Faulkner	1300	65	6	100	overcast
3/22/2010	1	Faulkner	1400	64	6	100	overcast
3/22/2010	1	Faulkner	1500	63	2	100	overcast
3/22/2010	1	Faulkner	1600	59	13	100	overcast
3/22/2010	1	McMorran/Brodie	1315	66	2/4	90	overcast
3/22/2010	1	McMorran/Brodie	1415	64	8/12	90- 100	overcast
3/22/2010	1	McMorran/Brodie	1015	68	2/6	10	clear
3/22/2010	1	McMorran/Brodie	1100	66	8/12	30-40	patchy
3/22/2010	1	McMorran/Brodie	1220	68	4/10	70-80	patchy
3/22/2010	1	McMorran/Brodie	1315	66	4/6	80-90	overcast
3/24/2010	1	Heath	930	60	5.6/8.6	0	clear
3/24/2010	1	Heath	1030	63	3.6/7.2	0	clear
3/24/2010	1	Heath	1130	67	2.6/4.5	0	clear
3/24/2010	1	Heath	1300	69.5	2.6/6.9	0	clear
3/24/2010	1	Heath	1400	64.5	2.9/7.8	0	clear
3/24/2010	1	Heath	1500	70	3.0/6.4	0	clear
3/24/2010	1	Heath	1600	65	15	0	clear
3/24/2010	1	LaCoste	950	60	10/15	0	clear
3/24/2010	1	LaCoste	1640	65	10/15	5	clear

					Wind Speed		
				_	Average/	Cloud	
Doto	Survey Week	Doroonnol	Time	Temperature (°F)	Maximum	Cover (%)	General Sky Condition
<b>Date</b> 3/24/2010	1	Personnel Cummings	945	(F) 64	(mph) 4.9/10.1	(%)	clear
3/24/2010	1	Cummings	1100	70	7.6/10.9		clear
3/24/2010	1	Cummings	1300	70	3.6/4.4		patchy
3/24/2010	1	Cummings	1415	71	2.1/3.0		patchy
3/24/2010	1	Mulligan/Innecken	1034	65	3/5	5	clear
3/24/2010	1	Mulligan/Innecken	1305	68	3/5	20	patchy
3/24/2010	1	Cummings	1520	75	2.0/6.3	20	patchy
3/24/2010	1	Mulligan/Innecken	1412	72	2.0/0.3	20	patchy
3/24/2010	1	Mulligan/Innecken	1512	72	5/6	20	patchy
3/24/2010	1		1630	70	3/5	20	. ,
3/24/2010	1	Mulligan/Innecken	1520	75	2.0/6.3	20	patchy
3/24/2010	1	Cummings	1600	70	3.6/8.2		patchy
3/24/2010	1	Cummings Osborne	1121	70	1.0/3	0	patchy clear
				72	2.8/5	0	
3/25/2010	1	Osborne	1140				clear
3/25/2010	1	Osborne	1215	60	6/10	0	clear
3/25/2010	1	Osborne	140	59	10/17	0	clear
3/25/2010	1	Osborne	410	61	1.7/4	0	clear
3/25/2010	1	Heath	1100	60	3.1/4.9	0	clear
3/25/2010	1	Heath	1220	61	7.2/10.3	0	clear
3/25/2010	1	Heath	1400	61	9.9/17.2	0	clear
3/25/2010	1	Heath	1500	61.5	5.5/14.7	0	clear
3/25/2010	1	Heath	1620	60.5	14.2/21.3	0	clear
3/25/2010	1	Faulkner	1300	63	7	0	clear
3/25/2010	1	Faulkner	1400	60	9	0	clear
3/25/2010	1	Faulkner	1400	60	9	0	clear
3/25/2010	1	Faulkner	1600	59	8	0	clear
3/25/2010	1	Faulkner	1100	60	7	0	clear
3/25/2010	1	Faulkner	1200	61	6 7	0	clear
3/25/2010	1	Faulkner	1300	63		0	clear
3/25/2010	1	Flietner/Innecken	1130	63	4/8	0	clear
3/25/2010	1	Flietner/Innecken	12	63	4/8	0	clear
3/25/2010	1	Flietner/Innecken	1220	70	0/3	0	clear
3/25/2010	1	Flietner/Innecken	1340	72	0/5	0	clear
3/25/2010	1	Flietner/Innecken	1410	72	3/7	0	haze
3/25/2010	1	Flietner/Innecken	1645	61	2/4	0	clear
3/26/2010	1	Flietner/Innecken	1020	63	0/2	0	clear
3/26/2010	1	Flietner/Innecken	1240	65	0/2	0	clear
3/26/2010	1	Flietner/Innecken	1450	72	0/2	0	clear
3/26/2010	1	Heath	1000	57	1.2/2.4	0	clear
3/26/2010	1	Heath	1130	64.7	0/2	0	clear
3/26/2010	1	Heath	1300	64.9	3.0/4.3	0	clear
3/26/2010	1	Heath	1430	67	2.1/4.1	0	clear
3/26/2010	1	Heath	1630	67.8	6.0/8.6	0	clear
3/27/2010	1	Faulkner	900	56	12	0	not available
3/27/2010	1	Faulkner	1000	56	10	0	not available
3/27/2010	1	Faulkner	1100	67	11	0	not available
3/27/2010	1	Faulkner	1200	63	7	0	not available
3/27/2010	1	Faulkner	1300	61	13	0	not available
3/29/2010	1	Brodie	1230	72	0/2	20	clear/patchy
3/29/2010	1	Brodie	13445	73	2/4	20-30	patchy

					Wind Speed		
	_			_	Average/	Cloud	
Dete	Survey	D	<b>T</b>	Temperature	Maximum	Cover	General Sky
Date	Week	Personnel	Time	(°F)	(mph)	(%)	Condition
3/29/2010	1	Brodie	1445	72	2/4	10-20	overcast
3/29/2010	1	Brodie	1600	70	4/6	0	clear
3/29/2010	1	Brodie	930	64	0/2	0	clear
3/29/2010	1	Brodie	1040	68	0/2	0	clear
3/29/2010	1	Brodie	1130	70	0/2	10	clear
3/29/2010	1	Brodie	1215	72	0/2	20	clear
3/29/2010	1	Heath	900	69.2	0.8/1.6	0	clear
3/29/2010	1	Heath	1100	73.1	2.9/5.8	0	clear
3/29/2010	1	Heath	1200	72.2	3.0/5.6	0	clear
3/29/2010	1	Heath	1330	77	2.3/5.3	0	patchy
3/29/2010	1	Heath	1600	72	5.7/14.9	0	clear
3/29/2010	1	Powell	930	68	1/5	0	clear
3/29/2010	1	Powell	1100	75	5/7	0	clear
3/29/2010	1	Powell	1200	79	4/8	0	patchy
3/29/2010	1	Powell	1300	77	7/11	0	patchy
3/29/2010	1	Powell	1400	80	6/10	0	patchy
3/29/2010	1	Powell	1500	76	6/12	0	patchy
3/29/2010	1	Powell	1620	75	5/10	0	clear
3/29/2010	1	Pigniolo/Fisher	915	60	0	0	clear
3/29/2010	1	Pigniolo/Fisher	1015	60	0	0	clear
3/29/2010	1	Pigniolo/Fisher	1115	76	0/5	0	clear
3/29/2010	1	Pigniolo/Fisher	1215	78	0/6	20	patchy
3/29/2010	1	Pigniolo/Fisher	1315	79	0/6	40	patchy
3/29/2010	1	Pigniolo/Fisher	1415	81	2/7	10	clear
3/29/2010	1	Pigniolo/Fisher	1515	74	2/5	5	clear
3/29/2010	1	Faulkner	900	69	1	0	clear
3/29/2010	1	Faulkner	1000	73	1	0	clear
3/29/2010	1	Faulkner	1100	78	1	0	clear
3/29/2010	1	Faulkner	1200	81	1	0	patchy
3/29/2010	1	Faulkner	1300	83	5	50	patchy
3/29/2010	1	Faulkner	1400	81	2	50	patchy
3/29/2010	1	Faulkner	1500	81	5	0	clear
3/29/2010	1	Faulkner	1500	81	5	0	clear
3/29/2010	1	Faulkner	1600	62	15	0	clear
3/30/2010	1	Mulligan	1040	64	3/6	5	clear
3/30/2010	1	Mulligan	1205	73	4/6	0	clear
3/30/2010	1	Mulligan	1335	73	4/7	0	clear
3/30/2010	1	Powell	1235	67	8/11	0	clear
3/30/2010	1	Powell	1330	72	4/7	0	clear
3/30/2010	1	Powell	1430	68	7/11	0	clear
3/30/2010	1	Powell	1530	70	8/12	0	clear
3/30/2010	1	Powell	1625	65	5/9	0	clear
3/30/2010	1	Heath	1030	63.5	4.5/7.2	10	clear
3/30/2010	1	Heath	1230	66	8.7/12.4	20	clear
3/30/2010	1	Heath	1430	64.7	15.9/19.6	10	clear
3/30/2010	1	Heath	1600	60	15.0	10	clear
3/30/2010	1	Powell	1030	61	4/8	10	patchy
3/30/2010	1	Powell	1200	70	8/10	0	clear
3/30/2010	1	Lohstroh	1040	61.4	5/8	10	clear
3/30/2010	1	Lohstroh	1140	65	6/10	0	clear

Date	Survey Week	Personnel	Time	Temperature (°F)	Wind Speed Average/ Maximum (mph)	Cloud Cover (%)	General Sky Condition
3/30/2010	1	Lohstroh	1240	67	4/7	0	clear
3/30/2010	1	Lohstroh	1400	69	6/8	0	clear
3/30/2010	1	Lohstroh	1500	70	3/5	0	clear
3/30/2010	1	Lohstroh	1600	64	3/7	0	clear
3/30/2010	1	Lohstroh	1610	65	5/10	0	clear
4/2/2010	1	Flietner	1045	63	0/2	0	clear
4/2/2010	1	Flietner	1420	75	0/2	0	clear
4/2/2010	1	Flietner	1635	66	2/5	10	clear
4/2/2010	1	Powell/McMorran	1050	59	8/12	0	clear
4/2/2010	2	Powell/McMorran	1210	60	10/17	0	clear
4/2/2010	2	Powell/McMorran	1245	62	7/15	0	clear
4/2/2010	2	Powell/Innecken	1140	63	1/3	0	clear
4/2/2010	2	Powell/Innecken	1300	68	1/3	0	clear
4/2/2010	2	Powell/Innecken	1400	69	4/8	0	clear
4/2/2010	2	Powell/Innecken	1500	65	4/8	0	clear
4/2/2010	2	Powell/Innecken	1600	61	4/8	0	clear
4/2/2010	2	Powell/Innecken	1700	59	5/8	0	clear
4/2/2010	2		1040	66	3.3/4.9	0	clear
		Cummings		68			clear
4/2/2010	2	Cummings	1230		3.8/5.4	0	
4/2/2010	2	Cummings	1245	68	3./5.4	0	clear
4/2/2010	2	Cummings	1245	68	3.8/5.4	0	clear
4/2/2010	2	Cummings	1545	62	3.6/8.2	0	clear
4/2/2010	2	Faulkner	1300	68	5	0	clear
4/2/2010	2	Faulkner	1400	69	4	0	clear
4/2/2010	2	Faulkner	1500	69	4	0	clear
4/2/2010	2	Faulkner	1600	67	9	0	clear
4/2/2010	2	Faulkner	1600	67	9	0	clear
4/2/2010	2	Faulkner	1700	65	9	0	clear
4/2/2010	2	Faulkner	1030	59	3	0	clear
4/2/2010	2	Faulkner	1100	66	1	0	clear
4/2/2010	2	Faulkner	1200	72	0	0	clear
4/2/2010	2	Faulkner	1300	68	5	0	clear
4/6/2010	2	Mulligan	1250	65	3/6	0	clear
4/6/2010	2	Mulligan	1340	63	5/8	0	clear
4/6/2010	2	Mulligan	1420	63	5/8	0	clear
4/6/2010	2	Mulligan	1000	60	5/9	0	clear
4/6/2010	2	Mulligan	1107	62	1/4	0	clear
4/6/2010	2	Mulligan	1210	63	3/6	0	clear
4/6/2010	2	Mulligan	1400	63	4/8	0	clear
4/6/2010	2	Mulligan	1522	63	4/8	0	clear
4/6/2010	2	Faulkner	1400	64	8	0	clear
4/6/2010	2	Faulkner	1500	65	9	0	clear
4/6/2010	2	Faulkner	1000	57	7	0	clear
4/6/2010	2	Faulkner	1100	57	7	0	clear
4/6/2010	2	Faulkner	1200	63	7	0	clear
4/6/2010	2	Faulkner	1300	61	13	0	clear
4/6/2010	2	Faulkner	1200	63	7	0	clear
4/6/2010	2	Faulkner	1300	61	13	0	clear
4/6/2010	2	Faulkner	1400	64	8	0	clear
4/6/2010	2	Faulkner	1500	65	9	0	clear

					Wind Speed		
				_	Average/	Cloud	
Dete	Survey	Damaanad	T:	Temperature	Maximum	Cover	General Sky
<b>Date</b> 4/6/2010	Week 2	Personnel Faulkner	<b>Time</b> 1600	(°F) 63	( <b>mph)</b> 8	(%)	Condition clear
4/6/2010	2		1000	60	5/8	0	clear
4/6/2010	2	Lohstroh Lohstroh	1100	60	10/14	0	clear
4/6/2010	2	Lohstroh	1200	61	4/9	0	
4/6/2010	2	Lohstroh	1300	61	4/9	0	clear
4/6/2010	2	Lohstroh	1400	61	8/12	0	clear
4/6/2010	2	Lonstron	1445	62	7/12	0	clear clear
4/8/2010	2	Faulkner/Bergman	1500	78	2	0	clear
4/8/2010	2	Faulkner/Bergman	1600	78	5	0	clear
4/8/2010	2		1000	68	5	0	
	2	Faulkner/Bergman	1100	69	6	0	clear
4/8/2010	2	Faulkner/Bergman	1200	72	7	0	clear
4/8/2010	2	Faulkner/Bergman		77		0	clear clear
4/8/2010	2	Faulkner/Bergman	1300	78	0	1	
4/8/2010	2	Faulkner/Bergman	1400		5	0	clear
4/8/2010		Faulkner/Bergman	900	60	7	0	clear
4/8/2010	2	Faulkner/Bergman	1000	68	5	0	clear
4/8/2010	2	Osborne	914	59	2.5/5	0	clear
4/8/2010	2	Osborne	1120	69	1.7/2.8	0	clear
4/8/2010	2	Osborne	1400	72	0	0	clear
4/8/2010	2	Osborne	1625	74	0	0	clear
4/8/2010	2	Powell	1330	72	2/5	0	clear
4/8/2010	2	Powell	1435	75	0	0	clear
4/8/2010	2	Powell	1625	72	4/6	0	clear
4/8/2010	2	Powell	845	63	5/7	0	clear
4/8/2010	2	Powell	955	67	10/13	0	clear
4/8/2010	2	Powell	1130	71	3/7	0	clear
4/8/2010	2	Powell	1240	71	6/9	0	clear
4/8/2010	2	Powell	1310	74	5/9	0	clear
4/8/2010	2	Flietner	900	57	3/6	0	clear
4/8/2010	2	Flietner	930	61	3/6	0	clear
4/8/2010	2	Flietner	1620	70	0/2	0	clear
4/9/2010	2	Flietner/Bergman	1020	69	0	0	clear
4/9/2010	2	Flietner/Bergman	1235	73	0	0	clear
4/9/2010	2	Flietner/Bergman	1430	74	5/8	0	clear
4/9/2010	2	Flietner/Bergman	1550	73	3/6	0	clear
4/9/2010	2	Couffer	1430	74	3/5	0	clear
4/9/2010	2	Couffer	1500	73	1/4	0	clear
4/9/2010	2	Couffer	1600	72	1/6	0	clear
4/9/2010	2	Couffer	930	67	0/2	0	clear
4/9/2010	2	Couffer	1000	74	0/4	0	clear
4/9/2010	2	Couffer	1100	72	0/5	0	clear
4/9/2010	2	Couffer	1200	76	0/2	0	clear
4/9/2010	2	Couffer	1300	77	1/4	0	clear
4/9/2010	2	Couffer	1400	73	3/7	0	clear
4/13/2010	2	Lohstroh/Innecken	1040	62	2/5	0	clear
4/13/2010	2	Lohstroh/Innecken	1200	67	2/3	0	clear
4/13/2010	2	Lohstroh/Innecken	1300	64	0/3	0	clear
4/13/2010	2	Lohstroh/Innecken	1430	66	0/6	0	clear
4/13/2010	2	Lohstroh/Innecken	1520	62	3/8	30	patchy
4/13/2010	2	Lohstroh/Innecken	1640	59	3/8	30	patchy

					Wind Speed		
	_				Average/	Cloud	
	Survey Week	Darsannal	Time	Temperature	Maximum	Cover	General Sky Condition
4/13/2010	2	Personnel Powell	1330	(° <b>F</b> )	(mph) 2/4	(%) 25	clear
4/13/2010	2	Powell	1440	61	4/7	25	clear
4/13/2010	2	Powell	1550	58	1/3	20	clear
4/13/2010	2	Powell	1030	64	0	15	clear
4/13/2010	2	Powell	1210	60	2/4	30	clear
4/13/2010	2	Faulkner	1100	48	3	0	clear
4/13/2010	2	Faulkner	1200	55	2	0	clear
4/13/2010	2	Faulkner	1300	58	2	5	clear
4/13/2010	2	Faulkner	1400	61	3	5	clear
4/13/2010	2	Faulkner	1500	55	8	10	clear
4/13/2010	2	Faulkner	1600	52	9	10	clear
4/13/2010	2	Couffer	1000	58	0/3	0	clear
	2	Couffer	1100	58	0/3	0	
4/13/2010 4/13/2010	2	Couffer	1200	56	0/2	0	clear clear
4/13/2010	2	Couffer	1300	65	0/2	0	clear
4/13/2010	2	Couffer	1400	67	1/2	0	clear
4/13/2010	2	Couffer	1500	66	0/3	0	clear
4/13/2010	2	Couffer	1600	63	1/5	0	clear
4/13/2010	2	LaCoste	930	65	3/7	5	clear
4/14/2010	2	LaCoste	130	70	3/6	75	
4/14/2010	2	LaCoste	230	67	4/8	90	overcast
4/14/2010	2	LaCoste	300	66	80	80	overcast
4/14/2010	2		945	60.3	1/2.2	20	overcast
4/14/2010	2	Cummings	1125	98.7	3.2/3.8	25	patchy patchy
4/14/2010	2	Cummings	1345	70	2.6/3.9	40	patchy
4/14/2010	2	Cummings	1420	77	2.6/6.2	70	patchy
4/14/2010	2	Cummings	1600	74	.8/1.9	80	patchy
4/14/2010	2	Cummings	1645	69	1.3/2.1	70	
4/14/2010	2	Cummings	1045	63	0/2	0	patchy clear
4/14/2010	2	Powell/Mulligan Powell/Mulligan	1205	64	0/2	0	clear
4/14/2010	2	Powell/Mulligan	1300	72	1/3	0	clear
4/14/2010	2	Powell/Mulligan	1430	60	7/10	75	Cleal
4/14/2010	2	Powell/Mulligan	1645	70	3/5	50	
	2		945	62	0/2	0	clear
4/14/2010 4/14/2010	2	Powell/Mulligan Powell/Mulligan	1005	65	0/2	0	clear
4/15/2010	2	Osborne	900	63	2/4	0	clear
4/15/2010	2	Osborne	1030	66	3.9/6	0	clear
4/15/2010	2	Osborne	1400	72	2.4/6	10	clear
4/15/2010	2	Osborne	1600	73	0	10	overcast
4/15/2010	2	Powell	900	61	8/11	0	clear
4/15/2010	2	Powell	1015	66	11/14	0	clear
4/15/2010	2	Powell	1125	68	7/11	0	clear
4/15/2010	2	Powell	1410	72	4/7	0	clear
4/15/2010	2	Faulkner	900	64	6	0	clear
4/15/2010	2	Faulkner	1000	67	3	0	clear
4/15/2010	2	Faulkner	1100	64	9	0	clear
4/15/2010	2	Couffer	900	67	1/5	0	clear
4/15/2010	2	Couffer	1000	68	1/8	0	clear
4/15/2010	2	Couffer	1100	71	0/7	0	clear
4/15/2010	2	Couffer	1200	71	0/8	0	clear

Date	Survey Week	Personnel	Time	Temperature (°F)	Wind Speed Average/ Maximum (mph)	Cloud Cover (%)	General Sky Condition
4/15/2010	2	Couffer	1300	70	2/6	0	clear
4/15/2010	2	Couffer	1400	71	0/3	50	patchy
4/15/2010	2	Couffer	1500	70	1/4	90	overcast
4/16/2010	2	Couffer	900	67	0/3	0	clear
4/16/2010	2	Couffer	1300	60	2/5	0	clear
4/16/2010	2	Couffer	1100	70	0/3	0	clear
4/16/2010	2	Couffer	1200	73	0/3	0	clear
4/16/2010	2	Couffer	1300	74	1/4	0	clear
4/16/2010	2	Couffer	1400	76	0/3	0	clear
4/16/2010	2	Couffer	1500	73	2/5	0	clear
4/16/2010	2	Powell	1510	75	4/7	0	clear
4/16/2010	2	Powell	1700	70	3/6	0	clear
	2	Powell	945	60	2/4	0	clear
4/16/2010	2	Powell	1055	72	5/8	0	clear
4/16/2010	2	Powell	1200	78	10/13	0	clear
4/16/2010							
4/16/2010	2	Powell	1400	72	5/8	0	clear
4/16/2010	2	Powell	1445	72	3/5	0	clear
4/16/2010	2	Hendricks	915	59.5	4.4/8.2	0	clear
4/16/2010	2	Hendricks	1020	71.5	1.7/4.2	0	clear
4/16/2010	2	Hendricks	1150	72	1.2/2.5	0	clear
4/16/2010	2	Hendricks	1230	72	2.0/3.0	0	clear
4/16/2010	2	Hendricks	345	73.5	3.2/10.3	0	clear
4/16/2010	2	Hendricks	1515	73.7	1.4/4.2	0	clear
4/16/2010	2	Hendricks	1700	67.2	2.3/5.8	0	clear
4/16/2010	2	Hendricks	1545	61.3	4.5/8.7	0	clear
4/17/2010	2	Mulligan	900	67	0/3	80	overcast
4/17/2010	2	Mulligan	1000	70	0/4	100	overcast
4/17/2010	2	Mulligan	1245	79	1/5	100	overcast
4/17/2010	2	Couffer	900	67	0/4	100	overcast
4/17/2010	2	Couffer	1000	67	0/2	100	overcast
4/17/2010	2	Couffer	1100	70	0/3	100	overcast
4/17/2010	2	Couffer	1200	73	0/4	100	overcast
4/17/2010	2	Couffer	1300	75	0/5	100	overcast
4/17/2010	2	Couffer	1320	75	0/5	100	overcast
4/17/2010	2	Powell	900	66	9/11	90	overcast
4/17/2010	2	Powell	1010	72	6/8	60	overcast
4/17/2010	2	Powell	1110	72	7/9	50	overcast
4/17/2010	2	Powell	1125	72	7/9	50	overcast
4/17/2010	2	Powell	1300	70	6/9	50	overcast
4/17/2010	2	Mulligan	1300	79	2/8	100	overcast
4/17/2010	2	Mulligan	1600	80	2/4	100	overcast
4/18/2010	3	Gutierrez	900	76	0	80	overcast
4/18/2010	3	Gutierrez	1000	78	0	40	patchy
4/18/2010	3	Gutierrez	1100	82	0	40	patchy
4/18/2010	3	Gutierrez	1600	84	2	30	patchy
4/18/2010	3	Powell	830	66	0	0	clear
4/18/2010	3	Powell	1000	77	0	0	clear
4/18/2010	3	Powell	1130	80	2/4	0	clear
4/18/2010	3	Powell	1145	80	3/6	0	clear
4/18/2010	3	Powell	1330	78	4/7	0	clear

					Wind Speed		
					Average/	Cloud	
Dete	Survey	Damanual	T:	Temperature	Maximum	Cover	General Sky
<b>Date</b>	Week	Personnel Powell	<b>Time</b> 1430	(° <b>F</b> )	(mph) 4/7	(%)	Condition
4/18/2010 4/18/2010	3	Couffer		74		0	clear
	3	Couffer	900	70	0	0	clear
4/18/2010 4/18/2010	3	Couffer	1000	75	0	0	clear
4/18/2010	3	Couffer	1100	77	0/2	0	clear
4/18/2010	3	Couffer	1200	78	0/3	0	clear
4/18/2010	3	Couffer	1300	82	0/3	0	clear
	3	Couffer		80	0/4	0	clear
4/18/2010	3		1400	76	3/6		clear
4/19/2010		Powell	1550	76		0	clear
4/19/2010	3	Powell	1635		6/9	0	clear
4/19/2010	3	Faulkner	1500	71	4	0	clear
4/19/2010	3	Faulkner	1630	69	7/8	0	clear
4/19/2010	3	LaCoste	1640	64	2/4	30	patchy
4/19/2010	3	LaCoste	1215	62	5/10	5	clear
4/19/2010	3	LaCoste	1415	76	5/10	0	clear
4/19/2010	3	LaCoste	1530	70	5/10	0	clear
4/19/2010	3	Brodie/Bergman	1045	65	4/7	40	patchy
4/19/2010	3	Brodie/Bergman	1145	72	4/8	10	clear
4/19/2010	3	Brodie/Bergman	1330	74	2/5	0	clear
4/19/2010	3	Brodie/Bergman	1445	75	2/5	0	clear
4/19/2010	3	Brodie/Bergman	1540	73	3/6	0	clear
4/19/2010	3	Brodie/Bergman	1200	73	3/6	0	clear
4/19/2010	3	Brodie/Bergman	1300	72	3/6	0	clear
4/19/2010	3	Brodie/Bergman	1330	74	2/5	0	clear
4/19/2010	3	Powell	1045	69	2/4	20	clear
4/19/2010	3	Powell	1215	75	6/8	0	clear
4/19/2010	3	Powell	1330	79	5/7	0	clear
4/19/2010	3	Powell	1500	81	6/9	0	clear
4/19/2010	3	Couffer	1100	69	0/6	45	patchy
4/19/2010	3	Couffer	1200	70	1/6	5	clear
4/19/2010	3	Couffer	1300	75	0/5	5	clear
4/19/2010	3	Couffer	1400	75	0/4	5	clear
4/19/2010	3	Couffer	1500	76	0/5	0	clear
4/19/2010	3	Couffer	1600	75	0/6	0	clear
4/19/2010	3	Couffer	1630	75	0/3	0	clear
4/19/2010	3	Faulkner	1000	70	4	50	clear
4/19/2010	3	Faulkner	1130	71	6	30	patchy
4/19/2010	3	Faulkner	1200	73	5	0	clear
4/19/2010	3	Faulkner	1330	76	3	0	clear
4/19/2010	3	Faulkner	1400	76	4	0	clear
4/20/2010	3	Couffer	945	65	1/5	0	clear
4/20/2010	3	Couffer	1000	64	2/6	0	clear
4/20/2010	3	Couffer	1100	68	2/8	5	clear
4/20/2010	3	Couffer	1200	68	2/5	5	clear
4/20/2010	3	Couffer	1300	70	0/4	5	clear
4/20/2010	3	Couffer	1400	72	0/4	10	patchy
4/20/2010	3	Couffer	1445	70	2/8	50	patchy
4/20/2010	3	Faulkner	900	59	3		clear
4/20/2010	3	Faulkner	1000	67	1		clear
4/20/2010	3	Faulkner	1100	63	9		patchy

					Wind Speed		
					Average/	Cloud	
Dete	Survey	Davasamal	Time	Temperature	Maximum	Cover	General Sky
<b>Date</b>	Week	Personnel Faulkner	Time	(°F)	(mph)	(%)	Condition
4/20/2010	3	Faulkner	1200 1300	64 65	7 9	30	patchy
4/20/2010	3	Faulkner	1400	63	10	50	patchy
4/20/2010 4/20/2010	3	Faulkner	1500	62	9	40	patchy
4/20/2010	3	Lohstroh/Faulkner	945	65	2-6/12	40	patchy clear
4/20/2010	3	Lohstroh/Faulkner	1045	65	4/10	40	clear
4/20/2010	3	Lohstroh/Faulkner	1200	67	4/10	20	patchy
4/20/2010	3			69	6-9/12	40	. ,
	3	Lohstroh/Faulkner	1300		6/12	1	patchy
4/20/2010		Lohstroh/Faulkner	1400	64 67	6/12	40	patchy
4/20/2010	3	Lohstroh/Faulkner	1440			50	patchy
4/20/2010	3	Lohstroh/Faulkner	1545	62	8/15	50	patchy
4/20/2010	3	Mulligan	1030	65	2/6	20	patchy
4/20/2010	3	Mulligan	1200	65	4/8	30	patchy
4/20/2010	3	Mulligan	1400	64	8/13	50	patchy
4/20/2010	3	Mulligan	1600	66	4/10	50	patchy
4/20/2010	3	Powell	1230	66	7/10	0	clear
4/20/2010	3	Powell	950	64	4/6	0	clear
4/20/2010	3	Powell	1045	66	4/6	0	clear
4/20/2010	3	Powell	1100	66	4/6	0	clear
4/20/2010	3	Powell	1320	66	7/10	0	clear
4/20/2010	3	Powell	1500	67	8/11	10	patchy
4/20/2010	3	Powell	1615	62	9/14	10	patchy
4/23/2010	3	Powell	1250	58	7/10	10	patchy
4/23/2010	3	Powell	1350	63	8/10	10	patchy
4/23/2010	3	Powell	1505	65	7/10	15	patchy
4/23/2010	3	Powell	1625	60	5/10	10	patchy
4/23/2010	3	Faulkner	1100	59	4	0	clear
4/23/2010	3	Faulkner	1200	60	6	0	clear
4/23/2010	3	Faulkner	1300	61	9	0	clear
4/23/2010	3	Faulkner	1400	62	5	10	patchy
4/23/2010	3	Faulkner	1500	65	3	50	patchy
4/23/2010	3	Faulkner	1600	64	4	40	patchy
4/23/2010	3	Couffer	1045	60	2/7	0	clear
4/23/2010	3	Couffer	1100	61	2/6	0	clear
4/23/2010	3	Couffer	1200	63	3/7	0	clear
4/23/2010	3	Couffer	1300	59	3/7	0	clear
4/23/2010	3	Couffer	1400	61	4/9	0	clear
4/23/2010	3	Couffer	1415	59	4/9	0	clear
4/23/2010	3	Hendricks	1155	59.5	4.3/8.2	0	clear
4/23/2010	3	Hendricks	1320	62.1	4.3/12.1	0	clear
4/23/2010	3	Hendricks	1415	65.3	2.6/4.9	0	clear
4/23/2010	3	Hendricks	1510	61.5	8.0/15.1	10	clear
4/23/2010	3	Hendricks	1615	57.2	4.2/8.1	1	clear
4/24/2010	3	Powell	835	63	0	0	clear
4/24/2010	3	Powell	945	68	1/3	0	clear
4/24/2010	3	Powell	1130	77	3/6	0	clear
4/24/2010	3	Powell	1315	77	4/6	0	clear
4/24/2010	3	Powell	1340	79	3/5	0	clear
4/24/2010	3	Powell	1540	75	4/6	0	clear
4/24/2010	3	Couffer	1518	73	2/6	0	clear

					Wind Speed		
					Average/	Cloud	
Doto	Survey Week	Doroonnol	Time	Temperature	Maximum	Cover	General Sky Condition
<b>Date</b> 4/24/2010	3	Personnel Couffer	1600	(° <b>F)</b> 73	( <b>mph)</b> 1/5	<b>(%)</b>	clear
4/24/2010	3	Couffer	1623	73	1/3	0	clear
4/24/2010	3	Couffer	1240	70	2/9	0	clear
4/24/2010	3	Couffer	1300	77	0/4	0	clear
4/24/2010	3	Couffer	1320	82	0/3	0	clear
4/24/2010	3	Couffer	1400	77	0/2	0	clear
4/24/2010	3	Couffer	1500	73	1/9	0	clear
4/24/2010	3	Couffer	900	66	0	0	clear
4/24/2010	3	Couffer	1000	70	0	0	clear
4/24/2010	3	Couffer	1100	73	0/3	0	clear
4/24/2010	3	Couffer	1200	71	0/3	0	clear
4/24/2010	3	Couffer	1210	71	0/3	0	clear
4/25/2010	3	Couffer	1150	80	0/4	0	clear
4/25/2010	3	Couffer	1200	80	0/4	0	clear
4/25/2010	3	Couffer	1300	85	0/4	0	clear
4/25/2010	3	Couffer	1400	78	0/4	0	clear
4/25/2010	3	Couffer	1500	75	3/7	0	clear
4/25/2010	3	Couffer	1515	75	3/7	0	clear
4/25/2010	3	Couffer	830	76	0	0	clear
4/25/2010	3	Couffer	900	74	0/1	0	clear
4/25/2010	3	Couffer	1000	77	0/1	0	clear
4/25/2010	3	Couffer	1100	78	0/3	0	clear
4/25/2010	3	Couffer	1130	79	0/2	0	clear
4/25/2010	3	Powell	1215	79	3/5	0	clear
4/25/2010	3	Powell	1410	79	5/7	0	clear
4/25/2010	3	Powell	1615	77	3/6	0	clear
4/25/2010	3	Powell	840	69	0	0	clear
4/25/2010	3	Powell	1010	74	3/5	0	clear
4/25/2010	3	Powell	1105	76	4/5	0	clear
4/26/2010	3	Brodie	930	69	0	0	clear
4/26/2010	3	Brodie	1030	72	0	0	clear
4/26/2010	3	Brodie	1130	76	2/4	0	clear
4/26/2010	3	Brodie	1235	75	0	0	clear
4/26/2010	3	Brodie	1340	76	0	0	clear
4/26/2010	3	Brodie	1520	74	0	0	clear
4/26/2010	3	Powell	830	74	0	0	clear
4/26/2010	3	Powell	1025	78	4/7	0	clear
4/26/2010	3	Powell	1130	83	2/4	0	clear
4/26/2010	3	Faulkner	1400	87	2	5	patchy
4/26/2010	3	Faulkner	1500	80	6	5	patchy
4/26/2010	3	Faulkner	1600	75	5	5	patchy
4/26/2010	3	Faulkner	900	75	0	0	clear
4/26/2010	3	Faulkner	1000	77	2	0	clear
4/26/2010	3	Faulkner	1100	79	4	0	clear
4/26/2010	3	Faulkner	1200	83	0	0	clear
4/26/2010	3	Faulkner	1300	83	0	5	patchy
4/26/2010	3	Faulkner	1400	87	2	5	patchy
4/26/2010	3	Couffer	1335	83	0/2	0	clear
4/26/2010	3	Couffer	1400	82	0/3	0	clear
4/26/2010	3	Couffer	1500	80	2/6	5	clear

					Wind Speed Average/	Cloud	
	Survey			Temperature	Maximum	Cover	General Sky
Date	Week	Personnel	Time	(°F)	(mph)	(%)	Condition
4/26/2010	3	Couffer	1600	79	2/6	5	clear
4/26/2010	3	Couffer	845	72	1/5	0	clear
4/26/2010	3	Couffer	900	73	0/3	0	clear
4/26/2010	3	Couffer	1000	72	0/3	0	clear
4/26/2010	3	Couffer	1100	80	0/6	0	clear
4/26/2010	3	Couffer	1130	82	0/2	0	clear
4/27/2010	4	Rink	912	70	1-2/5	2-5	patchy
4/27/2010	4	Rink	1030	70	2-3/5	3-5	patchy
4/27/2010	4	Rink	1130	71	2-3/5	5-7	patchy
4/27/2010	4	Rink	1230	73	3-4/5	10-12	patchy
4/27/2010	4	Couffer	1200	81	0/3	5	clear
4/27/2010	4	Couffer	1300	80	7/13	5	clear
4/27/2010	4	Couffer	1400	75	3/7	10	clear
4/27/2010	4	Couffer	1500	76	0/2	10	clear
4/27/2010	4	Couffer	1600	76	0/4	10	clear
4/27/2010	4	Couffer	848	72	0	0	clear
4/27/2010	4	Couffer	900	73	0/2	0	clear
4/27/2010	4	Couffer	1000	76	1/5	0	clear
4/27/2010	4	Couffer	1100	77	0/3	0	clear
4/27/2010	4	Powell	845	74	2/4	0	clear
4/27/2010	4	Powell	1115	77	5/8	0	clear
4/27/2010	4	Powell	1140	74	5/7	0	clear/patchy
4/27/2010	4	Powell	1345	72	6/9	0	clear
4/27/2010	4	Powell	1500	78	5/8	0	clear
4/27/2010	4	Powell	1555	73	7/10	0	clear
4/27/2010	4	Mulligan/Bergman	920	67	0/4	1	clear
4/27/2010	4	Mulligan/Bergman	1200	78	4/8	10	clear
4/27/2010	4	Mulligan/Bergman	1515	78	2/6	20	patchy
4/27/2010	4	Faulkner	900	65	1	0	clear
4/27/2010	4	Faulkner	1000	73	2	0	clear
4/27/2010	4	Faulkner	1100	73	4	0	clear
4/27/2010	4	Faulkner	1100	73	2	0	clear
4/27/2010	4	Faulkner	1200	77	2	0	clear
4/27/2010	4	Faulkner	1300	77	8	10	patchy
4/27/2010	4	Faulkner	1400	75	10	50	patchy
4/27/2010	4	Faulkner	1500	73	11	0	clear
4/30/2010	4	Couffer/Powell	1300	62	2/4	60	patchy
4/30/2010	4	Couffer/Powell	1400	61	2/7	50	patchy
4/30/2010	4	Couffer/Powell	1300	63	4/6	50	patchy
4/30/2010	4	Couffer/Powell	1405	61	4/7	50	clear/patchy
4/30/2010	4	Couffer/Powell	1550	55	5/9	75	patchy
4/30/2010	4	Faulkner	1100	63	2	30	patchy
4/30/2010	4	Faulkner	1200	65	1	40	patchy
4/30/2010	4	Faulkner	1300	67	5	50	overcast/drizzle
4/30/2010	4	Faulkner	1400	62	9	50	overcast/drizzle
4/30/2010	4	Hendricks/Bergman	1130	64.7	3.7/7	60	patchy
4/30/2010	4	Hendricks/Bergman	1215	57	4.9/8.8	80	overcast
4/30/2010	4	Hendricks/Bergman	1245	60.4	3.7/8.7	30	patchy
4/30/2010	4	Hendricks/Bergman	1350	67.6	5.1/7.5	40	patchy
4/30/2010	4	Hendricks/Bergman	1430	57.7	5.2/8.3	80	overcast

Si1/2010	Date	Survey Week	Personnel	Time	Temperature (°F)	Wind Speed Average/ Maximum (mph)	Cloud Cover (%)	General Sky Condition
S/1/2010							<u> </u>	
5/1/2010								
S/1/2010				1000				
S/11/2010								
S/11/2010				1330				
Sint   Sint								
S/11/2010								
S/1/2010								
5/1/2010         4         Couffer/Fisher         1200         68         0/3         5         clear           5/1/2010         4         Couffer/Fisher         1300         72         0/5         5         clear           5/1/2010         4         Couffer/Fisher         1400         73         0/5         0         clear           5/1/2010         4         Couffer/Fisher         1500         68         2/5         0         clear           5/1/2010         4         Lohstroh         930         64         0/3         0         clear           5/1/2010         4         Lohstroh         1300         65         5/13         5         patchy           5/1/2010         4         Lohstroh         1300         65         5/13         5         patchy           5/1/2010         4         Lohstroh         1550         69         0/10         1         clear           5/1/2010         4         Lohstroh         1550         67         0/10         3         clear           5/1/2010         4         Mulligan         1200         66         4/10         40         patchy           5/1/2010         4								
6/11/2010         4         Couffer/Fisher         1300         72         0/5         5         clear           5/1/2010         4         Couffer/Fisher         1400         73         0/5         0         clear           5/1/2010         4         Couffer/Fisher         1500         68         2/5         0         clear           5/1/2010         4         Lohstroh         930         64         0/3         0         clear           5/1/2010         4         Lohstroh         1300         65         5/13         5         patchy           5/1/2010         4         Lohstroh         1300         65         5/13         5         patchy           5/1/2010         4         Lohstroh         1520         69         0/10         1         clear           5/1/2010         4         Lohstroh         1550         67         0/10         3         clear           5/1/2010         4         Mulligan         1200         60         2/6         0         clear           5/1/2010         4         Mulligan         1300         67         8/12         25         patchy           5/1/2010         4         M								
6/11/2010         4         Couffer/Fisher         1400         73         0/5         0         clear           5/1/2010         4         Couffer/Fisher         1500         68         2/5         0         clear           5/1/2010         4         Lohstroh         1930         64         0/3         0         clear           5/1/2010         4         Lohstroh         1130         65         5/13         5         patchy           5/1/2010         4         Lohstroh         1300         65         5/13         5         patchy           5/1/2010         4         Lohstroh         1500         69         0/10         1         clear           5/1/2010         4         Lohstroh         1550         67         0/10         3         clear           5/1/2010         4         Mulligan         1500         66         4/10         40         patchy           5/1/2010         4         Mulligan         1300         67         8/12         25         patchy           5/1/2010         4         Mulligan         1300         67         8/12         25         patchy           5/1/2010         4								
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5/1/2010         4         Lohstroh         930         64         0/3         0         clear           5/1/2010         4         Lohstroh         1130         64         6/10         10         patchy           5/1/2010         4         Lohstroh         1300         65         5/13         5         patchy           5/1/2010         4         Lohstroh         1400         72         2/8         1         clear           5/1/2010         4         Lohstroh         1520         69         0/10         1         clear           5/1/2010         4         Lohstroh         1520         69         0/10         1         clear           5/1/2010         4         Lohstroh         1550         67         0/10         3         clear           5/1/2010         4         Mulligan         1200         66         4/10         40         patchy           5/1/2010         4         Mulligan         1300         67         8/12         25         patchy           5/1/2010         4         Powell         1055         59         4/6         0         clear           5/2/2010         4         Powell								
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5/1/2010         4         Lohstroh         1300         65         5/13         5         patchy           5/1/2010         4         Lohstroh         1400         72         2/8         1         clear           5/1/2010         4         Lohstroh         1520         69         0/10         1         clear           5/1/2010         4         Lohstroh         1550         67         0/10         3         clear           5/1/2010         4         Mulligan         900         60         2/6         0         clear           5/1/2010         4         Mulligan         1300         67         8/12         25         patchy           5/1/2010         4         Mulligan         1330         37         6/8         25         patchy           5/2/2010         4         Powell         1055         59         4/6         0         clear           5/2/2010         4         Powell         1230         67         4/6         0         clear           5/2/2010         4         Powell         1355         70         5/7         0         clear           5/2/2010         4         Powell         13								
5/1/2010         4         Lohstroh         1400         72         2/8         1         clear           5/1/2010         4         Lohstroh         1520         69         0/10         1         clear           5/1/2010         4         Lohstroh         1550         67         0/10         3         clear           5/1/2010         4         Mulligan         900         60         2/6         0         clear           5/1/2010         4         Mulligan         1200         66         4/10         40         patchy           5/1/2010         4         Mulligan         1300         67         8/12         25         patchy           5/1/2010         4         Mulligan         1530         37         6/8         25         patchy           5/2/2010         4         Powell         1055         59         4/6         0         clear           5/2/2010         4         Powell         1200         62         5/7         0         clear           5/2/2010         4         Powell         1355         70         5/7         0         clear           5/2/2010         4         Couffer								
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5/1/2010         4         Lohstroh         1550         67         0/10         3         clear           5/1/2010         4         Mulligan         900         60         2/6         0         clear           5/1/2010         4         Mulligan         1200         66         4/10         40         patchy           5/1/2010         4         Mulligan         1300         67         8/12         25         patchy           5/1/2010         4         Mulligan         1530         37         6/8         25         patchy           5/2/2010         4         Powell         1055         59         4/6         0         clear           5/2/2010         4         Powell         1230         67         4/6         0         clear           5/2/2010         4         Powell         1355         70         5/7         0         clear           5/2/2010         4         Powell         1355         70         5/7         0         clear           5/2/2010         4         Powell         1355         70         5/7         0         clear           5/2/2010         4         Couffer         100 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
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5/1/2010         4         Mulligan         1200         66         4/10         40         patchy           5/1/2010         4         Mulligan         1300         67         8/12         25         patchy           5/1/2010         4         Mulligan         1530         37         6/8         25         patchy           5/2/2010         4         Powell         1055         59         4/6         0         clear           5/2/2010         4         Powell         1200         62         5/7         0         clear           5/2/2010         4         Powell         1230         67         4/6         0         clear           5/2/2010         4         Powell         1355         70         5/7         0         clear           5/2/2010         4         Powell         1355         70         5/7         0         clear           5/2/2010         4         Powell         1355         70         5/7         0         clear           5/2/2010         4         Couffer         1100         66         0/3         0         clear           5/2/2010         4         Couffer         1300 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
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5/2/2010         4         Powell         1055         59         4/6         0         clear           5/2/2010         4         Powell         1200         62         5/7         0         clear           5/2/2010         4         Powell         1230         67         4/6         0         clear           5/2/2010         4         Powell         1355         70         5/7         0         clear           5/2/2010         4         Powell         1615         72         4/7         0         clear           5/2/2010         4         Powell         1615         72         4/7         0         clear           5/2/2010         4         Couffer         1020         60         0/3         0         clear           5/2/2010         4         Couffer         1100         66         0/3         0         clear           5/2/2010         4         Couffer         1200         64         0/7         0         clear           5/2/2010         4         Couffer         1300         73         0/3         0         clear           5/2/2010         4         Couffer         1400         <								
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5/2/2010         4         Couffer         1600         71         2/8         0         clear           5/3/2010         4         Dittmer         900         68.9         2/4         0         clear           5/3/2010         4         Dittmer         1550         77         2/4         0         clear           5/3/2010         4         Pigniolo         1300         74         0/2         0         clear           5/3/2010         4         Pigniolo         1400         76         0/2         0         clear           5/3/2010         4         Pigniolo         1530         77         0/2         0         clear           5/3/2010         4         Pigniolo         915         60         2/6         0         clear           5/3/2010         4         Pigniolo         1015         66         2/6         0         clear           5/3/2010         4         Pigniolo         1215         69         2/4         0         clear           5/3/2010         4         Pigniolo         1245         68         0/4         0         clear           5/3/2010         4         Pigniolo         77 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
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5/3/2010         4         Dittmer         1550         77         2/4         0         clear           5/3/2010         4         Pigniolo         1300         74         0/2         0         clear           5/3/2010         4         Pigniolo         1400         76         0/2         0         clear           5/3/2010         4         Pigniolo         1530         77         0/2         0         clear           5/3/2010         4         Pigniolo         915         60         2/6         0         clear           5/3/2010         4         Pigniolo         1015         66         2/6         0         clear           5/3/2010         4         Pigniolo         1115         69         2/6         0         clear           5/3/2010         4         Pigniolo         1215         69         2/4         0         clear           5/3/2010         4         Pigniolo         1245         68         0/4         0         clear           5/3/2010         4         Flietner         830         64         5/9         0         clear           5/3/2010         4         Faulkner         900 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
5/3/2010         4         Pigniolo         1300         74         0/2         0         clear           5/3/2010         4         Pigniolo         1400         76         0/2         0         clear           5/3/2010         4         Pigniolo         1530         77         0/2         0         clear           5/3/2010         4         Pigniolo         915         60         2/6         0         clear           5/3/2010         4         Pigniolo         1015         66         2/6         0         clear           5/3/2010         4         Pigniolo         1115         69         2/6         0         clear           5/3/2010         4         Pigniolo         1215         69         2/4         0         clear           5/3/2010         4         Pigniolo         1245         68         0/4         0         clear           5/3/2010         4         Pigniolo         1245         68         0/4         0         clear           5/3/2010         4         Flietner         830         64         5/9         0         clear           5/3/2010         4         Faulkner         900<								
5/3/2010         4         Pigniolo         1400         76         0/2         0         clear           5/3/2010         4         Pigniolo         1530         77         0/2         0         clear           5/3/2010         4         Pigniolo         915         60         2/6         0         clear           5/3/2010         4         Pigniolo         1015         66         2/6         0         clear           5/3/2010         4         Pigniolo         1115         69         2/6         0         clear           5/3/2010         4         Pigniolo         1215         69         2/4         0         clear           5/3/2010         4         Pigniolo         1245         68         0/4         0         clear           5/3/2010         4         Pigniolo         1245         68         0/4         0         clear           5/3/2010         4         Flietner         830         64         5/9         0         clear           5/3/2010         4         Flietner         1600         77         3/5         0         clear           5/3/2010         4         Faulkner         900<								
5/3/2010         4         Pigniolo         1530         77         0/2         0         clear           5/3/2010         4         Pigniolo         915         60         2/6         0         clear           5/3/2010         4         Pigniolo         1015         66         2/6         0         clear           5/3/2010         4         Pigniolo         1115         69         2/6         0         clear           5/3/2010         4         Pigniolo         1215         69         2/4         0         clear           5/3/2010         4         Pigniolo         1245         68         0/4         0         clear           5/3/2010         4         Pigniolo         1245         68         0/4         0         clear           5/3/2010         4         Flietner         830         64         5/9         0         clear           5/3/2010         4         Flietner         1600         77         3/5         0         clear           5/3/2010         4         Faulkner         900         67         5         0         clear           5/3/2010         4         Faulkner         1000 <td></td> <td></td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td>			0					
5/3/2010         4         Pigniolo         915         60         2/6         0         clear           5/3/2010         4         Pigniolo         1015         66         2/6         0         clear           5/3/2010         4         Pigniolo         1115         69         2/6         0         clear           5/3/2010         4         Pigniolo         1215         69         2/4         0         clear           5/3/2010         4         Pigniolo         1245         68         0/4         0         clear           5/3/2010         4         Flietner         830         64         5/9         0         clear           5/3/2010         4         Flietner         1600         77         3/5         0         clear           5/3/2010         4         Faulkner         900         67         5         0         clear           5/3/2010         4         Faulkner         1000         71         4         0         clear			0					
5/3/2010         4         Pigniolo         1015         66         2/6         0         clear           5/3/2010         4         Pigniolo         1115         69         2/6         0         clear           5/3/2010         4         Pigniolo         1215         69         2/4         0         clear           5/3/2010         4         Pigniolo         1245         68         0/4         0         clear           5/3/2010         4         Flietner         830         64         5/9         0         clear           5/3/2010         4         Flietner         1600         77         3/5         0         clear           5/3/2010         4         Faulkner         900         67         5         0         clear           5/3/2010         4         Faulkner         1000         71         4         0         clear			0					
5/3/2010         4         Pigniolo         1115         69         2/6         0         clear           5/3/2010         4         Pigniolo         1215         69         2/4         0         clear           5/3/2010         4         Pigniolo         1245         68         0/4         0         clear           5/3/2010         4         Flietner         830         64         5/9         0         clear           5/3/2010         4         Flietner         1600         77         3/5         0         clear           5/3/2010         4         Faulkner         900         67         5         0         clear           5/3/2010         4         Faulkner         1000         71         4         0         clear			<u> </u>					
5/3/2010         4         Pigniolo         1215         69         2/4         0         clear           5/3/2010         4         Pigniolo         1245         68         0/4         0         clear           5/3/2010         4         Flietner         830         64         5/9         0         clear           5/3/2010         4         Flietner         1600         77         3/5         0         clear           5/3/2010         4         Faulkner         900         67         5         0         clear           5/3/2010         4         Faulkner         1000         71         4         0         clear			0					
5/3/2010         4         Pigniolo         1245         68         0/4         0         clear           5/3/2010         4         Flietner         830         64         5/9         0         clear           5/3/2010         4         Flietner         1600         77         3/5         0         clear           5/3/2010         4         Faulkner         900         67         5         0         clear           5/3/2010         4         Faulkner         1000         71         4         0         clear			<u> </u>					
5/3/2010         4         Flietner         830         64         5/9         0         clear           5/3/2010         4         Flietner         1600         77         3/5         0         clear           5/3/2010         4         Faulkner         900         67         5         0         clear           5/3/2010         4         Faulkner         1000         71         4         0         clear			<u> </u>					
5/3/2010         4         Flietner         1600         77         3/5         0         clear           5/3/2010         4         Faulkner         900         67         5         0         clear           5/3/2010         4         Faulkner         1000         71         4         0         clear								
5/3/2010         4         Faulkner         900         67         5         0         clear           5/3/2010         4         Faulkner         1000         71         4         0         clear								
5/3/2010 4 Faulkner 1000 71 4 0 clear								
	5/3/2010	4	Faulkner	1100	75	2	0	clear

Date	Survey Week	Personnel	Time	Temperature (°F)	Wind Speed Average/ Maximum (mph)	Cloud Cover (%)	General Sky Condition
5/3/2010	4	Faulkner	1200	76	3	0	clear
5/3/2010	4	Faulkner	1300	78	1	0	clear
5/3/2010	4	Faulkner	1400	78	2	0	clear
5/3/2010	4	Faulkner	1500	83	1	0	clear
5/3/2010	4	Faulkner	1600	79	4	0	clear
5/3/2010	4	Couffer	835	67	3/6	0	clear
5/3/2010	4	Couffer	900	70	3/8	0	clear
5/3/2010	4	Couffer	1000	72	3/10	0	clear
5/3/2010	4	Couffer	1100	74	4/8	0	clear
5/3/2010	4	Couffer	1200	77	0/3	0	clear
5/3/2010	4	Couffer	1300	80	0/4	0	clear
5/3/2010	4	Couffer	1400	81	0/4	0	clear
5/3/2010	4	Couffer	1500	80	0/3	0	clear
5/3/2010	4	Powell	830	65	7/9	0	clear
5/3/2010	4	Powell	950	67	7/10	0	clear
5/3/2010	4	Powell	1115	75	4/7	0	clear
5/3/2010	4	Powell	1430	78	5/8	0	clear
5/3/2010	4	Powell	1600	81	4/6	0	clear
5/3/2010	4	Powell	1640	79	7/11	0	clear
5/4/2010	4	Lohstroh	840	68	0/1	0	clear
5/4/2010	4	Lohstroh	1040	78	0/4	0	clear
5/4/2010	4	Lohstroh	1300	80	3/8	0	clear
5/4/2010	4	Lohstroh	1420	83	3/8	0	clear
5/4/2010	4	Lohstroh	1515	79	4/8	0	clear
5/4/2010	4	Powell	850	68	2/3	0	clear
5/4/2010	4	Powell	1020	71	6/7	0	clear
5/4/2010	4	Powell	1115	78	2	0	clear
5/4/2010	4	Powell	1155	75	7/12	0	clear
5/4/2010	4	Powell	1325	78	5/9	0	clear
5/4/2010	4	Powell	1520	76	9/13	0	clear
5/4/2010	4	Powell	1545	76	8/11	0	clear
5/4/2010	4	Powell	1120	78	8/12	0	clear
5/4/2010	4	Powell	1145	75	7/12	0	
5/4/2010	· ·	Faulkner	900	70	0	0	clear clear
5/4/2010	4	Faulkner	1000	74	5	0	clear
	4	Faulkner	1100	77	4		
5/4/2010 5/4/2010	4	Faulkner	1200	80	6/7	0	clear clear
5/4/2010		Faulkner	1300	83		0	clear
	4	Faulkner	1400	80	8 7	0	
5/4/2010	4	Faulkner	1500	80	7	0	clear
5/4/2010	4	Faulkner Faulkner		78	8	0	clear
5/4/2010	4		1600	58	0/2	0	clear
5/4/2010	4	Flietner	820			0	clear
5/4/2010	4	Flietner Flietner	850	66	2/4 3/5	0	clear
5/4/2010	4		1030	75	0/3	0	clear
5/4/2010	4	Flietner	1100	77		0	clear
5/4/2010	4	Flietner	1630	83	7/10	0	clear
5/4/2010	4	Couffer	1100	78	3/5	0	clear
5/4/2010	4	Couffer	1200	76	7/14	0	clear
5/4/2010	4	Couffer	1300	81	0/6	0	clear
5/4/2010	4	Couffer	1400	81	3/8	0	clear

					Wind Speed		
					Average/	Cloud	
Dete	Survey	Damasanal	<b>T</b>	Temperature	Maximum	Cover	General Sky
Date	Week	Personnel	Time	(°F)	(mph)	(%)	Condition
5/4/2010	4	Couffer	1500	81	0/5	0	clear
5/4/2010	4	Couffer	1530	80	0/5	0	clear
5/4/2010	4	Couffer	840	70	0/2	0	clear
5/4/2010	4	Couffer	900	69	0/2	0	clear
5/4/2010	4	Couffer	1000	73	0/3	0	clear
5/4/2010	4	Couffer	1015	73	0/2	0	clear
5/4/2010	4	Brodie	900	64	0	0	clear
5/4/2010	4	Brodie	1005	68	2/5	0	clear
5/4/2010	4	Brodie	1110	70	6/11	0	clear
5/4/2010	4	Brodie	1200	75	5/10	0	clear
5/4/2010	4	Brodie	1305	73	4/9	0	clear
5/4/2010	4	Brodie	1415	73	4/12	0	clear
5/4/2010	4	Brodie	1515	69	6/13	0	clear
5/4/2010	4	Gutierrez	1115	76	1.5/3	0	clear
5/4/2010	4	Gutierrez	1300	78	25/10	0	clear
5/4/2010	4	Gutierrez	900	72	0	0	clear
5/4/2010	4	Gutierrez	1000	76	0/2	0	clear
5/4/2010	4	Gutierrez	1100	78	2/5	0	clear
5/4/2010	4	Gutierrez	1310	78	2.5/10	0	clear
5/4/2010	4	Gutierrez	1500	78	2.5/10	0	clear
5/4/2010	4	Mulligan	1345	80	2/5	0	clear
5/4/2010	4	Mulligan	1530	80	3/6	0	clear
5/4/2010	4	Mulligan	900	75	0/2	0	clear
5/4/2010	4	Mulligan	1200	80	3/6	0	clear
5/4/2010	4	Mulligan	1330	80	4/6	0	clear
5/5/2010	4	Powell	1145	76	4/7	0	clear
5/5/2010	4	Powell	1400	78	3/5	0	clear
5/5/2010	4	Powell	1515	78	3/6	0	clear
5/5/2010	4	Powell	1615	78	5/8	0	clear
5/5/2010	4	Couffer	900	68	1/4	0	clear
5/5/2010	4	Couffer	1000	73	2/6	0	clear
5/5/2010	4	Couffer	1100	76	1/4	0	clear
5/5/2010	4	Couffer	1130	73	5/13	0	clear
5/5/2010	4	Brodie	1130	75	7/11	0	clear
5/5/2010	4	Brodie	1230	76	6/11	0	clear
5/5/2010	4	Brodie	1330	72	4/9	0	clear
5/5/2010	4	Brodie	1435	75	5/10	0	clear
5/5/2010	5	Marquez	915	70.7	2.6/4.3	0	clear
5/5/2010	5	Marquez	1015	69	2.1/4.4	0	clear
5/5/2010	5	Marquez	1140	72	3.8/5.4	0	clear
5/5/2010	5	Marquez	1255	75.5	5.3/6.8	0	clear
5/5/2010	5	Marquez	1355	75.1	6.2/8.5	0	clear
5/5/2010	5	Marquez	1455	74.9	7.6/9.8	0	clear
5/5/2010	5	Brodie	900	62	3/7	0	clear
5/5/2010	5	Brodie	1015	69	3/9	0	clear
5/5/2010	5	Brodie	1100	72	4/10	0	clear
5/5/2010	5	Mulligan	900	76	4	0	clear
5/5/2010	5	Mulligan	1200	80	6/10	3	clear
5/5/2010	5	Mulligan	1500	81	5/9	5	clear
5/5/2010	5	Osborne	906	70	0	0	clear

Date	Survey Week	Personnel	Time	Temperature (°F)	Wind Speed Average/ Maximum (mph)	Cloud Cover (%)	General Sky Condition
5/5/2010	5	Osborne	1015	77	1.5/5.8	0	clear
5/5/2010	5	Osborne	1340	72	8.5/14	0	clear
5/5/2010	5	Osborne	1557	71	9.9/14.7	0	clear
5/5/2010	5	Couffer	1200	82	1/7	0	clear
5/5/2010	5	Couffer	1300	77	2/10	0	clear
5/5/2010	5	Couffer	1400	78	3/10	0	clear
5/5/2010	5	Couffer	1500	78	3/10	0	clear
5/5/2010	5	Couffer	1548	77	3/13	5	clear
5/5/2010	5	Powell	845	72	3/5	0	clear
5/5/2010	5	Powell	1015	72	5/6	0	clear
5/5/2010	5	Powell	1120	73	9/13	0	clear
5/5/2010	5	LaCoste	845	64	3/6	0	clear
5/5/2010	5	LaCoste	1100	71	4/8	0	clear
5/5/2010	5	LaCoste	1330	72	8/12	0	clear
5/5/2010	5	LaCoste	1430	76	6/10	0	clear
5/5/2010	5	Osborne	905	67	1.8/4.4	0	clear
5/5/2010	5	Osborne	1030	71	1.5/4.4	0	clear
5/5/2010	5	Osborne	1302	73	3.7/13.5	0	clear
5/5/2010	5	Osborne	1502	75	4.3/9.3	0	clear
5/5/2010	5	Osborne	1555	74	4/9.2	0	clear
5/6/2010	5	Powell	830	60	2/4	0	clear
5/6/2010	5	Powell	945	73	1/3	0	clear
5/6/2010	5	Powell	1010	74	3/5	0	clear
5/6/2010	5	Powell	1215	78	6/8	0	clear
5/6/2010	5	Powell	1430	76	4/6	0	clear
5/6/2010	5	Powell	1515	77	7/9	0	clear
5/6/2010	5	Brodie	1345	75	3/5	0	clear
5/6/2010	5	Brodie	1500	74	3/6	0	clear
5/6/2010	5	Brodie	1540	73	3/7	0	clear
5/6/2010	5	Couffer	830	69	0	0	clear
5/6/2010	5	Couffer	900	70	1/3	0	clear
5/6/2010	5	Couffer	1000	71	1/3	0	clear
5/6/2010	5	Couffer	1100	73	1/5	0	clear
5/6/2010	5	Couffer	1200	76	0/5	0	clear
5/6/2010	5	Couffer	1300	81	0/4	0	clear
5/6/2010	5	Couffer	1400	83	0/3	0	clear
5/6/2010	5	Couffer	1500	77	1/5	0	clear
5/6/2010	5	Brodie	930	69	2/5	0	clear
5/6/2010	5	Brodie	1100	73	4/7	0	clear
5/6/2010	5	Brodie	1230	75	3/5	0	clear
5/6/2010	5	Brodie	1315	75	4/7	0	clear
						+	
5/6/2010	5	Mulligan	900	62	4/7	0	clear
5/6/2010	5	Mulligan	1200	72 75	3/6 4/8	0	clear
5/6/2010	5	Mulligan	1430			0	clear
5/7/2010	5	Mulligan	900	65	6/10	0	clear
5/7/2010	5	Mulligan	1200	74	0/4	0	clear
5/7/2010	5	Mulligan	1245	76	2/4	0	clear
5/7/2010	5	Mulligan	1300	79	2/4	0	clear
5/7/2010	5	Mulligan	1530	82	2/5	0	clear
5/7/2010	5	Faulkner	1300	80	3	0	clear

Date	Survey Week	Personnel	Time	Temperature (°F)	Wind Speed Average/ Maximum (mph)	Cloud Cover (%)	General Sky Condition
5/7/2010	5	Faulkner	1400	80	4	0	clear
5/7/2010	5	Faulkner	1500	80	3	0	clear
5/7/2010	5	Faulkner	1600	78	6	0	clear
5/7/2010	5	Faulkner	1100	76	6	0	clear
5/7/2010	5	Faulkner	1200	80	3	0	clear
5/7/2010	5	Faulkner	1300	80	3	0	clear
5/7/2010	5	Faulkner	900	69	03	0	clear
5/7/2010	5	Faulkner	1000	72	7	0	clear
5/7/2010	5	Faulkner	1100	76	6	0	clear
5/7/2010	5	Couffer	838	72	0/7	0	clear
5/7/2010	5	Couffer	900	73	0/8	0	clear
5/7/2010	5	Couffer	1000	75	0/8	0	clear
5/7/2010	5	Couffer	1100	76	0/6	0	clear
5/7/2010	5	Couffer	1200	83	0/4	0	clear
5/7/2010	5	Couffer	1300	88	0/2	0	clear
5/7/2010	5	Couffer	1400	80	1/6	0	clear
5/7/2010	5	Couffer	1500	84	1/4	0	clear
5/7/2010	5	Powell	1345	79	5/7	0	clear
5/7/2010	5	Powell	1455	78	6/9	0	clear
5/7/2010	5	Powell	845	71	5/6	0	clear
5/7/2010	5	Powell	1000	75	6/8	0	clear
5/7/2010	5	Powell	1245	78	5/8	0	clear
5/7/2010	5	Powell	1335	78	4/6	0	clear
5/8/2010	5	Couffer/McMorran	1215	79	4/11	0	clear
5/8/2010	5	Couffer/McMorran	1300	77	2/6	0	clear
5/8/2010	5	Couffer/McMorran	1400	78	4/14	0	clear
5/8/2010	5	Couffer/McMorran	1500	79	4/9	0	clear
5/8/2010	5	Couffer/McMorran	1520	78	2/7	0	clear
5/8/2010	5	Couffer/McMorran	845	66	0/3	0	clear
5/8/2010	5	Couffer/McMorran	900	71	0/3	0	clear
5/8/2010	5	Couffer/McMorran	1000	72	1/4	0	clear
5/8/2010	5	Couffer/McMorran	1100	72	1/4	0	clear
5/8/2010	5	Couffer/McMorran	1200	74	4/9	0	clear
5/8/2010	5	Powell	830	63	4/6	0	clear
5/8/2010	5	Powell	1025	71	7/8	0	clear
5/8/2010	5	Powell	1210	71	8/12	0	clear
5/8/2010	5	Powell	1430	76	8/11	0	clear
5/8/2010	5	Powell	1515	77	11/14	0	clear
5/8/2010	5	Powell	1520	78	5/7	0	clear
5/8/2010	5	Powell	1620	75	6/9	0	clear
5/11/2010	5	Mulligan	1330	74	2/4	5	clear
5/11/2010	5	Mulligan	1545	74	3/6	0	clear
5/11/2010	5	Mulligan	900	65	0/2	0	clear
5/11/2010	5	Mulligan	1110	75	0/5	0	clear
5/11/2010	5	Mulligan	1300	76	2/5	3	clear
5/12/2010	6	Powell	915	67	4/6	0	clear
5/12/2010	6	Powell	1110	71	5/8	0	clear
5/12/2010	6	Powell	1340	75	4/5	0	clear
5/12/2010	6	Powell	1600	72	6/8	0	clear
5/12/2010	6	Brodie	1100	67	0	0	clear
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					Wind Speed	Cloud	
	CHENON			Temperature	Average/ Maximum	Cover	General Sky
Date	Survey Week	Personnel	Time	(°F)	(mph)	(%)	Condition
5/12/2010	6	Brodie	1220	70	0	0	clear
5/12/2010	6	Brodie	1415	70	0/2	0	clear
5/12/2010	6	Brodie	900	61	0	0	clear
5/12/2010	6	Brodie	1010	65	0	0	clear
5/12/2010	6	Brodie	1100	67	0	0	clear
5/12/2010	6	Brodie	1415	70	0	0	clear
5/12/2010	6	Brodie	1435	71	0/2	0	clear
5/12/2010	6	Brodie	1445	71	2/5	0	clear
5/12/2010	6	Brodie	1600	69	2/6	0	clear
5/12/2010	6	Marquez	1045	71.4	1.2/1.7	0	clear
5/12/2010	6	Marquez	1240	76.3	1.6/4.6	0	clear
5/12/2010	6	Marquez	1400	75.8	2.1/5.4	0	clear
5/12/2010	6	Marquez	1520	70.5	2.8/4.6	0	clear
5/12/2010	6	Marquez	835	65.3	.5/1.2	0	clear
5/12/2010	6	Marquez	945	69	2.2/2.8	0	clear
5/12/2010	6	Marquez	1045	76.3	2.3/5.4	0	clear
5/12/2010	6	Lohstroh	1330	76	3/7	0	clear
5/12/2010	6	Lohstroh	1430	74	3/8	0	clear
5/12/2010	6	Lohstroh	1530	73	3/12	0	clear
5/12/2010	6	Lohstroh	845	63	0/1	0	clear
5/12/2010	6	Lohstroh	1210	74	0/3	0	clear
5/12/2010	6	Lohstroh	1300	79	0/4	0	clear
5/12/2010	6	Couffer	845	65	0	0	clear
5/12/2010	6	Couffer	857	67	0/1	0	clear
5/12/2010	6	Couffer	1400	72	3/5	0	clear
5/12/2010	6	Couffer	1500	73	3/11	0	clear
5/12/2010	6	Couffer	900	67	0/1	0	clear
5/12/2010	6	Couffer	1000	71	0/2	0	clear
5/12/2010	6	Couffer	1100	72	1/4	0	clear
5/12/2010	6	Couffer	1200	74	1/3	0	clear
5/12/2010	6	Couffer	1300	73	1/4	0	clear
5/12/2010	6	Couffer	1345	72	3/5	0	clear
5/12/2010	6	Faulkner	1200	79	4	0	clear
5/12/2010	6	Faulkner	1300	79	4	10	clear
5/12/2010	6	Faulkner	1400	77	4	10	clear
5/12/2010	6	Faulkner	1500	76	7	0	clear
5/12/2010	6	Faulkner	1600	76	5	0	clear
5/12/2010	6	Faulkner	900	68	1	0	clear
5/12/2010	6	Faulkner	1000	75	1	0	clear
5/12/2010	6	Faulkner	1100	76	0	0	clear
5/12/2010	6	Faulkner	1200	79	4	0	clear
5/13/2010	6	Mulligan	900	67	2/5	1	clear
5/13/2010	6	Mulligan	1115	78	0/4	10	clear
5/13/2010	6	Mulligan	1515	79	3/6	15	clear
5/13/2010	6	Brodie	1230	72	4/8	10-20	clear
5/13/2010	6	Brodie	1330	74	2/8	10-20	clear
5/13/2010	6	Brodie	1600	70	3/6	10-20	clear
5/13/2010	6	Lohstroh	940	74	0/1	0	clear
5/13/2010	6	Lohstroh	1200	78	3/5	20	patchy
5/13/2010	6	Lohstroh	1300	80	0/3	20	patchy

					Wind Speed Average/	Cloud	
	Survey			Temperature	Maximum	Cover	General Sky
Date	Week	Personnel	Time	(°F)	(mph)	(%)	Condition
5/13/2010	6	Lohstroh	1400	81	0/3	30	patchy
5/13/2010	6	Lohstroh	1530	82	0/9	10	patchy
5/13/2010	6	Lohstroh	850	69	0/1	0	clear
5/13/2010	6	Lohstroh	930	72	0/1	0	clear
5/13/2010	6	Brodie	850	60	0	0	clear
5/13/2010	6	Brodie	1015	65	0	0	clear
5/13/2010	6	Brodie	1145	69	2/6	10	clear
5/14/2010	6	Powell	1325	85	4/6	0	clear
5/14/2010	6	Powell	1435	80	5/7	5	clear
5/14/2010	6	Powell	1530	75	6/9	10	clear
5/14/2010	6	Powell	1600	80	4/5	5	clear
5/14/2010	6	Powell	1325	85	4/6	0	clear
5/14/2010	6	Powell	1435	80	5/7	5	clear
5/14/2010	6	Powell	1530	75	6/9	10	clear
5/14/2010	6	Powell	1600	80	4/5	5	clear
5/14/2010	6	Couffer	1030	77	0/3	0	clear
5/14/2010	6	Couffer	1100	78	0/5	0	clear
5/14/2010	6	Couffer	1200	80	0/3	0	clear
5/14/2010	6	Couffer	1230	79	0/3	0	clear
5/14/2010	6	Couffer	1330	74	0/5	0	clear
5/14/2010	6	Couffer	1400	73	0/3	5	clear
5/14/2010	6	Couffer	1500	75	0/3	20	clear
5/14/2010	6	Couffer	1600	75	0/1	20	clear
5/14/2010	6	Couffer	1621	77	0/2	20	clear
5/14/2010	6	Couffer	851	75	0/2	0	clear
5/14/2010	6	Couffer	900	75	0	0	clear
5/14/2010	6	Couffer	1000	81	0/2	0	clear
5/14/2010	6	Mulligan	900	70	2/7	0	clear
5/14/2010	6	Mulligan	1215	75	4/6	10	clear
5/14/2010	6	Mulligan	1515	79	4/6	20	clear
5/14/2010	6	Lohstroh	850	70	0/4	0	clear
5/14/2010	6	Lohstroh	1015	75	0/4	0	clear
5/14/2010	6	Lohstroh	1140	79	0/7	0	clear
5/14/2010	6	Lohstroh	1320	76	3/6	20	patchy
5/14/2010	6	Lohstroh	1430	79	3/5	20	patchy
5/14/2010	6	Lohstroh	1500	78	0/2	30	patchy
5/14/2010	6	Faulkner	1300	74	0	0	clear
5/14/2010	6	Faulkner	1400	75	4	0	clear
5/14/2010	6	Faulkner	1500	77	2	30	patchy
5/14/2010	6	Faulkner	1600	74	2	50	patchy
5/14/2010	6	Faulkner	900	69	5	0	clear
5/14/2010	6	Faulkner	1000	74	3	0	clear
5/14/2010	6	Faulkner	1100	78	2	0	clear
5/14/2010	6	Faulkner	1200	80	5	0	clear
5/14/2010	6	Faulkner	1300	74	0	0	clear
5/14/2010	6	Powell	845	74	4/6	0	clear
5/14/2010	6	Powell	1100	80	3/5	0	clear
5/14/2010	6	Powell	1230	81	7/9	0	clear
5/15/2010	6	Flietner	1210	80	5/8	0	clear
5/15/2010	6	Flietner	1510	80	4/6	5	clear

					Wind Speed		
				_	Average/	Cloud	
	Survey	_		Temperature	Maximum	Cover	General Sky
Date	Week	Personnel	Time	(°F)	(mph)	(%)	Condition
5/15/2010	6	Flietner	840	74	6/10	0	clear
5/15/2010	6	Powell	1150	74	5/10	0	clear
5/15/2010	6	Powell	1315	81	5/7	0	clear
5/15/2010	6	Powell	1415	78	7/9	0	clear
5/15/2010	6	Powell	1510	81	3/4	0	clear
5/15/2010	6	Powell	840	72	6/8	0	clear
5/15/2010	6	Powell	1010	73	7/12	0	clear
5/15/2010	6	Powell	1135	76	7/9	0	clear
5/15/2010	6	Couffer	830	74	4/9	0	clear
5/15/2010	6	Couffer	900	74	3/9	0	clear
5/15/2010	6	Couffer	1000	78	0/4	0	clear
5/15/2010	6	Couffer	1100	80	0/5	0	clear
5/15/2010	6	Couffer	1200	76	0/6	0	clear
5/15/2010	6	Couffer	1300	80	0/7	0	clear
5/15/2010	6	Couffer	1400	84	0/4	0	clear
5/15/2010	6	Couffer	1415	84	0/4	0	clear
5/16/2010	6	Powell	1515	80	7/9	0	clear
5/16/2010	6	Powell	1610	81	5/7	0	clear
5/16/2010	6	Powell	845	71	8/11	0	clear
5/16/2010	6	Powell	950	76	6/10	0	clear
5/16/2010	6	Powell	1130	78	6/9	0	clear
5/16/2010	6	Powell	1255	81	5/6	0	clear
5/16/2010	6	Powell	1450	79	4/7	0	clear
5/16/2010	6	Faulkner	900	70	4	0	clear
5/16/2010	6	Faulkner	1000	75	5	0	clear
5/16/2010	6	Faulkner	1100	77	5	0	clear
5/16/2010	6	Faulkner	1200	75	7	0	clear
5/16/2010	6	Faulkner	1300	73	6	0	clear
5/16/2010	6	Faulkner	1400	81	3	0	clear
5/16/2010	6	Faulkner	1500	80	4	0	clear
5/16/2010	6	Faulkner	1600	77	8	0	clear
5/17/2010	6	Flietner	1040	69	3/5	100	overcast
5/17/2010	6	Flietner	1120	73	2/4	100	overcast
5/17/2010	6	Flietner	1600	68	3/6	10	clear
5/17/2010	6	Faulkner	1500	68	8	0	clear
5/17/2010	6	Faulkner	1600	66	11	0	clear
5/17/2010	6	Faulkner	1400	75	8	50	patchy
5/17/2010	6	Faulkner	1500	68	8	0	clear
5/17/2010	6	Faulkner	1100	68	5	100	overcast
5/17/2010	6	Faulkner	1200	69	5	100	overcast
5/17/2010	6	Faulkner	1300	72	4	100	overcast
5/17/2010	6	Faulkner	1400	75	8	50	patchy
5/17/2010	6	Faulkner	1000	69	5	100	overcast
5/17/2010	6	Couffer	1000	69	0/5	100	overcast
5/17/2010	6	Couffer	1100	69	0/3	100	overcast
5/17/2010	6	Couffer	1200	74	0/3	100	overcast
5/17/2010	6	Couffer	1300	70	0/2	100	
5/17/2010		Couffer	1400	73	0/3	80	overcast
	6	Couffer	1500		2/8	1	overcast
5/17/2010	6			70		20	patchy
5/17/2010	6	Couffer	1545	69	2/5	20	patchy

					Wind Speed Average/	Cloud	
	Survey			Temperature	Maximum	Cover	General Sky
Date	Week	Personnel	Time	(°F)	(mph)	(%)	Condition
5/17/2010	6	Powell	1050	60	3/5	100	overcast
5/17/2010	6	Powell	1210	65	6/8	100	overcast
5/17/2010	6	Powell	1125	67	6/8	100	overcast
5/17/2010	6	Powell	1300	67	5/10	100	overcast
5/19/2010	6	Couffer	840	668	0/1	0	clear
5/19/2010	6	Couffer	900	69	081	0	clear
5/19/2010	6	Couffer	1000	71	0/1	0	clear
5/19/2010	6	Couffer	1100	85	0/2	0	clear
5/19/2010	6	Couffer	1200	84	0	0	clear
5/19/2010	6	Couffer	1300	82	0/1	0	clear
5/19/2010	6	Powell	930	67	0	0	clear
5/19/2010	6	Powell	1045	82	4/6	0	clear
5/19/2010	6	Powell	1230	84	5/8	0	clear
5/19/2010	6	Lohstroh	1230	74	0/5	0	clear
5/19/2010	6	Lohstroh	1300	78	3/10	0	clear
5/19/2010	6	Lohstroh	1400	81	0/5	0	clear
5/19/2010	6	Lohstroh	1500	83	0/6	0	clear
5/19/2010	6	Lohstroh	1530	86	0/5	0	clear
5/19/2010	6	Lohstroh	845	66	0/1	0	clear
5/19/2010	6	Lohstroh	1000	70	0/3	0	clear
5/20/2010	6	Couffer	848	71	3/4	0	clear
5/20/2010	6	Couffer	900	73	2/4	0	clear
5/20/2010	6	Couffer	1000	78	2/6	0	clear
5/20/2010	6	Couffer	1100	77	2/6	0	clear
5/20/2010	6	Couffer	1200	75	1/5	0	clear
5/20/2010	6	Couffer	1300	80	3/6	0	clear
5/20/2010	6	Couffer	1315	80	3/5	0	clear

## APPENDIX B FIELD DATASHEETS

Recorder:	054	sorne	Add'i	l Person: _	7056			Date:	3/25	/2010
Project:	Campo		gy Project		•			Survey Sx	kn: <u>/</u>	<u>/</u>
GPS Unit	<u> </u>	5			_ QCB Prot	ocol Sur	rvey#_	/	of	5 .
	24-hour)	Temp (F°):	Wind (avg/max)	% CC				Sky		-
START	(121	72	10/3	, CO_	clea		tchy	overcast	drizzle	shower
1/21	1140	60	28/5		clea		tchy	overcast	drizzle drizzle	shower
140		59	15/17	<u> </u>	Celea		itchy itchy	overcast overcast	drizzle	shower
		37	165/1-		clea		tchy	overcast	drizzie	shower
410		6/	1.7/4		clea	<u> </u>	tchy	overcast	drizzle	shower
END		8/	/	<del>                                     </del>	clea		tchy	overcast	drizzle	shower
	1-site (circle)	pen soils	, hilltops, ridge:	s, rock out					W7W-744	
		Butterfl	y Species					Tally		Total
C.	perpo	lova (	Calludays)			7 D	XXX			~ 32
	andr	(Van				2 11	1111			9
	60,200		rynnis)			1 4	14			6 - "
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		Auctortula las comos aus N
		and of man 14
	1	Auctortaphy los common on N and of map 14. (a nector source)
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		Englan excutoring (nector)
		geoworly comme
112.		
		May 15 (notured) but covered
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TOTAL NUME	BER OF QCB DET	ECTED: O INDIVIDUALS

Page 1 of 1

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Recorder:	Andren	Pignio	<u>ෙ</u> Adď	l Person: 1	hilip P	a i	Pal	Date:	3/22/	(0)
Project: _	Campo	Wind Energ	y Project	Map #:	9		**************************************	_ Survey Sx	(n:	
GPS Unit	GPS Unit : 土 /					ocol	Survey #		of	5
TIME (	TIME (24-hour) Temp (F°): (avg/max) % CC				-			Sky		- Productions
START	1030	61	0-2	20	clea	r s	patchy	overcast	drizzle	shower
	1130	· •	2-6	00	clea	ır	patchy	overcast)	drizzle	shower
	13-30	63	2-6	85	clea	r	patchy	overcast	drizzle	shower
	1330	57	2-8	95	clea	г	patchy	(overcast)	drizzle	shower
	4000				clea		patchy	overcast	drizzle	shower
	530				clea		patchy	overcast	drizz!e	shower
END		8200	2-6	100	clear		patchy	overcast	drizzle	shower
	-site (circle)	open soils	hilltops, ridge							
, labitat of	r one (en ele)	. Opon cone	, into part to get	Sex Cox Cate	1000, 001, 01	uoto	, oldy coll	o, old roddo,	Quilloud 110	otal ocaloco,
		Butterfi	y Species					Tally		Total
Pale	Swal							Tuny		1
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South	ern blue	<b></b> .								3
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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TOTAL NUM	BER OF QCB DE	TECTED: $ ot \hspace{-1em} \psi \hspace{-1em}$ INDIVIDUALS

Page  $\frac{\mathcal{V}}{2}$  of  $\frac{2}{2}$ 

### Quino Checkerspot Butterfly Protocol Survey

				Field Da	ata Sheet				
Recorder:	Vivian	e Mai	GUL JAdd'I	Person:	ave S	hipp	Date: _	3/22	110
Project: _	Campo	Wind Energ	y Project	Map #: _	20	/ ·	_ Survey Sx	:n:	
GPS Unit	: 4				QCB Prot	ocol Survey #	± /	of	5 .
	24-hour)	Temp (F°):	Wind (avg/max)	% CC	v v	***************************************	Sky	3	
START	1011	66.8	3.4/6,2	10	clea		overcast	drizzle	shower
	11:40	71.2	0.6/1.6	60	clea		overcast overcast	drizzle drizzle	shower shower
	1:00	65.5	4.7/8.7	100%			overcast	drizzle	shower
*	2:00	63.8	2.114.8	100%			overcast)	drizzie	shower
and	2:25	62.9	5,419.9	100%		· · · · · · · · · · · · · · · · · · ·	overcasp	drizzle	shower
END	- ()			,,,,,	clea	95.75	overcast	drizzle	shower
	n-site (circle)	: open soils,	hilltops, ridges	s, rock outer					
		Butterfl	y Species				Tally		Total
Sar	a's Ora	ngehp		*		11/1	NU 111		/3
Checi	kered 4	Shite				144	1		フ
Per	olexing,	hawshe	resc		V6-0 00	THE	24 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1		5
Las	ly Sp.	1747 TSD	2010 1010 NOVE 1010 1010 1010 1010 1010 1010 1010 10			MH	//		フ
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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VMEP02	ox Under bayyon	dense chaparal
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TOTAL NUM	BER OF QCB DE	TECTED: INDIVIDUALS

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Recorder: M. H	eath	Add'l	Person:	oshua	Paipa	Date: _	3/22	10'
Project: Campo	Project: Campo Wind Energy Project Map #:					Survey Sx	(n:	
GPS Unit: 3				QCB Prot	ocol Survey	#	of	<u> </u>
TIME (24-hour)	Temp (F°):	Wind (avg/max)	% CC		a named A dia	Sky		
START 10:00	61	8/9	10	clea	r patchy	> overcast	drizzle	shower
11:15	63	7/2/105	25%	clea	r (patchy	overcast	drizzle	shower
13:00	63	9.5/20	7540	clea	r patchy	overcast	drizzle	shower
F		3.5/6.5	95%	clea	r patchy	Overcast >	drizzle	shower
141:00	585	5.6/9.9	1008	clea	r patchy	overcast	drizzle	shower
		1. <b>5</b> .		clea	r patchy	overcast	drizzle	shower
END				clea		overcast	drizzle	shower
Habitat On-site (circle	): open soils,	hilltops, ridges	s, rock outer	ops, soil cr	usts, clay so	ils, old roads,	various ne	ectar sources
	Butterfl	y Species				Tally		Total
Slue great	Vane -	TWO			It			5
Blue need	0	and the second s			1			2
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		Cold Poppy - Rowering
		Baba Blue eggs ",
		Frodkom Moderning
MHHLOZ	Sersidue Sp	Map 12 Coast Hern Lisand \$WV
		Gallrelds? lew
	Mexican	Mangante Movein - not good host than
	· er cen	Duck brysh Howeing
		Miner's Cettree Mouering
		111013 (3000)
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TOTAL NUMI	BER OF QCB DE	TECTED: INDIVIDUALS

Recorder:	BRIAN	J LOHST	WH Add'I	Person:	DMAR	<u>(</u> E	Escort	Date:	3/22	110
			y Project							•
GPS Unit :	6_				QCB Pro	toco	l Survey #	1	of	5 .
TIME (2	24-hour)	Temp (F°):				Sky				
START	0920	61	0-5	10	øle	ar)	patchy ·	overcast	drizzle	shower
	1000	64	0-3	20	cle	ar	patchy	overcast	drizzle	shower
	1100		35	40	cle	ar	atchy	overcast	drizzle	shower
	1200	61	3-5	60	cle	аг	patchy	overcast	drizzle	shower
	1300	60	3-5	700	cle	ar	patchy	overcast	drizzle	shower
	1400	60	3-5		cle	ar	patchy	overcast)	drizzle	shower
END	1445	60	3-5	100	cle	ar	patchy	overcast	drizzle	shower
Habitat On	-site (circle)		hilltops, ridges		ops, soil c	rusts	s, clay soil:	s, old roads,	various ned	ctar sources
					•		<u> </u>	· ·		
		Butterfly	/ Species					Tally		Total
00	unge to	Δ			_		I Wi	Ĭ1		0
		n wl	AAAP			+	MII			8
	2 VVI VV TOC	1 7	<u> </u>		•	-	111			3
T	mereal	1)0516	ywing Strakel	<i>7</i> .		-	(11	. a		
De	rolexi	ne Itai	7 Strake	L			HUI	<i>[ ]</i>		8
	outhe	18 - 1	ve				1			2
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		Bush
		0714
		16/176
		Sc)a
		Cath
		CORA
		Bolicat Scal + thack
		Scoc (W. fence Lizard)
		4TST (side-blotch Lizard)
BL DBOI	Desert Wearty	Depert beauty Linguithus
DE DO	gest of the state	
	-	Eppher & Nack&
		Anha
		WC SP
		CALT
		OCIU
		Huvi
		SATO
RLCPOI	Campo Pea?	campo pla, heed to verify
13 20101	CAVIJAS J C.	when blooming shops
0.7001	CD DT walkerslahit	3(3/1/1/1/1/2)
BLJROI	SDBT Jackenhoit	2 Ind 1V
	· .	cotton tail
<u>.</u>	·	
TOTAL NUM	BER OF QCB DET	rected:  Individuals
		Page 2 of 1

Recorder:_	DAULD K.	FAUIKNEY	Add	'I Person: _	Eugene Pa	+ <b>VB-</b> C3	Date: _	22	H 200
GPS Unit :	2	,			_ QCB Prot	ocol Survey #	!	of	5 .
TIME (24	I-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	1000	65	2 W	30	clea	r (patchy)	overcast	drizzle	shower
	itoo	68	<u>3 w</u>	50	clea	r (atchy)	overcast	drizzle	shower
	1200	68	<u> 5</u> ა	70	clea	r (patchy)	overcast	drizzle	shower
	1300	65	له ما	160	clea	r patchy	(overcast)	drizzle	shower
	1400	64	به نه	100	clea	r patchy	overcast	drizzle	shower
	1500	63	<b>7</b> W	100	clea	r patchy	(overcast)	drizzle	shower
END	1600	59	13 W		clea		overcast	drizzle	
Habitat On-	site (circle)	open soils	hilltops, ridge	es, rock out	crops, soil cr	usts, clay soil	s, old roads	various ne	ctar sources
		Butterfly	Species				Tally		Total
A. Sm	<b>A</b>						HH HH	<u> </u>	11
C. Derl	Merica						11		2
N. Car	Lornica							٠	3
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
at Both	> 1 pt.	Collensia sp Common
DECHOIS	•	
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TOTAL NUM	BER OF QCB DET	TECTED: Ø INDIVIDUALS

Page <u>2</u> of <u>2</u>

## Quino Checkerspot Butterfly Protocol Survey

	Jimmy	TACTOON		i icia Di	avid by				
Recorder:	Natali	e Brode	Add'l	Person: _D	avid Di	che	Date:	22 M	ar 2010
Project:	Campo	Wind Energy	/ Project	Map #: _	15		Survey Sx	(n: <u>15</u>	
GPS Unit :	5				QCB Protoc	ol Survey#	3	of	5 .
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	13 15	66'	2/4	90%	clear	patchy	overcast	drizzle	shower
-					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
END	1415	1 11."	8/12	FA - 105 /	clear	patchy	overcast	drizzle	shower
END Habitat ∩n			hilltops, ridge				overcast	drizzle	shower
			rmitops, riuge. 기술파다		ops, son crus	ita, ciay adila	i, old roads,	vanous ne	ciai sources
	.,		Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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TOTAL NILINA		FECTED: // INDIVIDUALS
TOTAL NUM	BER OF QCB DET	TECTED: INDIVIDUALS

Page 2 of 2

### Quino Checkerspot Butterfly Protocol Survey

Field Data Sheet Jimmy Mc Morran Recorder: Natalie Brodie Add'l Person: David Dyche Date: 22 Mar 2010 Project: Campo Wind Energy Project Map #: 10 Survey Sxn: 10 QCB Protocol Survey # 1 of 5 . GPS Unit: 5 Wind TIME (24-hour) Temp (F°): % CC (avg/max) Sky 1015 410% START 68 2/6 clear ) patchy overcast drizzle shower 660 1100 30-40% clear patchy overcast drizzle shower 1220 \_68° 41/10\_ 70.20% clearpatchy overcast drizzie shower 660 1315 4 16 20-70% clear patchy (overcast> drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower 66° 4/6 80 90% END 1315 overcast clear patchy drizzle shower Habitat On-site (circle) open soils hilltops ridges tock outcrops, soil crusts, clay soils, old roads, various nectar sources **Butterfly Species** Tally Total Java ovavdetip JH 11 Perplexing Hairstreak 111 Pale Swallow tail Unidentified lady (probably Painted) Funereal Duskyming Southern blue

MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED I SPECIES LIST (NECTAR SOURCE		
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Page 2 of 2

Recorder:	M: M	ulliga	Add'l	Person:	5. Innec	Ken, PM	Date:	3.24	10
Project: _	Campo	Wind Energy	/ Project	Map#:_	9		_ Survey S	хл:	
,						ocol Survey #			•
TIME (	24-hour)	Temp (F°):	Wind (avg/max)	% cc			Sky		
START	10:34	65	3-5	5	clea	r patchy	overcast	drizzle	shower
	1305	68	3-5	20	. clea	r patchy	overcast	drizzle	shower
	-	-		,	clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
					clear	r patchy	overcast	drizzle .	shower
					clear	r patchy	overcast	drizzie	shower
END.					clear	patchy	overcast	drizzle	shower
Habitat Or	-site (circle)	open soils	hilltops, ridge	s rock outc	rops, soil cri	usts, clay soil	s, old roads	, various ne	ctar sources
		Butterfly	Species				Tally		Total
SARA	1'S ORA	NGE TI	7	-					2
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BOH	125 ME	TALMA	VC 1			111			3
PAL	MEXIN	5 HA1125	MEAK						4
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M. Wallen

MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST
MMCSOI.	sensitive plant	Caulanthus simulays a 50 plantis
MHLOI	Sensitive replace	Horn Lizard
MMHL02	Sensitive vertile	Horn Lizard
MMCSOZ	Sensitive plant	Caulantays Simulans = 25 plants
	nectar plant	Cryptantna Sp.
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	 BER OF QCB DET	ECTED: INDIVIDUAL

			Quino Cn	neckerspot B Field D	eutterny Pro ata Sheet	otocoi Surve	y			
Recorder	M. Hea	44	Add	d'l Person: <u> </u>	Joshua	Paipa	Date:	3/24/1	0	,
Project: _	Campo	Wind Energ	y Project	Map #:	12		_ Survey S	хп:		_
GPS Unit	: #3				QCB Prot	ocol Survey#	#1	of	5	<u>-</u>
TIME (	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky	· · ·		
START	09:30	60	5.6/8.1	6 0% 2 0%	clea	patchy	overcast	drizzle	shower	
	1030	63	36170	2 0%	cleá	r patchy	overcast	drizzle	shower	
	1130	67	26/4.8	5 0%	cleá	patchy	overcast	drizzle	shower	~.
- /	1300	69.5	2.6/60		clea	r patchy	overcast	drizzie	shower	-
	14:06	64.5	2.9/7.8	5 0%	clea	r) patchy	overcast	drizzle	shower	
	15:00	70	30 160	1 0 6	clea	r patchy	overcast	drizzle	shower	
END	16:00	65		0%	clea		overcast	drizzle	shower	•
Habitat Or	i-site (circle)	open soils	hilltops, ridg	jes, (ock outc	rops) soil cr	usts, clay soil	s, øld roads	> various ne	ectar source	<del></del>
		Butterfly	y Species				Tally		Total	
Paintel	Lada		<del> </del>	-		NH			10	
	Species	<b>,</b>	,		-	İ				
Distry	11								1	
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Butterfly Species	Tally	Total
Painted Lady	Tru the	10
Blue Species	***************************************	
Danyung	7	Î
Green Vairstreak	TH 10	8
Sara Orana Tro	M HI THI	16
TOURS WHA		VATER OF THE PARTY
White sp?		2
Behrist metalman	BH 111	8
town Blue	M	5
Wights Metalumik?		
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		Erodium - many llowers
		Goldfields - Illowers
		SCJA, CAQU. ACWO AMOU CATO, NOFL
		Perly G. J. Pochel Guyler
		Azdubans Cottatail rabit 1
		Bickbrush flowering/ bees
		Mexica Mangaita pinh/while flowers
		Baby bloverge
		Call Poppy
		Grand Votos? - smill gellow flower
		Saybrigh 120
		0
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		FOTED (1) IND (1) (1)
TOTAL NUME	BER OF QCB DET	TECTED: INDIVIDUALS

Page <u>2</u> of <u>2</u>

Recorder:	Erik (	Lo Coste	Add"	l Person:			Date:	2/24/	10
Project:	Campo	Wind Energ							
GPS Unit					QCB Prof	tocol Survey #		of	5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	0950	60	10/15	O	/elea	patchy	overcast	drizzle	shower
			/		Clea	r patchy	overcast	drizzle	shower
		1			clea	r patchy	overcast	drizzle	shower
:	ļ				clea	r patchy	overcast	drizzie	shower
		-			clea	r patchy	overcast	drizzle	shower
<u> </u>	1	<del>                                     </del>	111.		clea		overcast	drizzle	shower
END	340		10/15	5	cfea		overcast	drizzle	shower
Habitat On	ı-site (circle	):(open soils,	hilltopseridge	s, rock outc	ceòs, sòil cr	usts, clay soils	old roads,	various ne	ctar sources
		Butterfly	y Species				Tally		Total
Pain	tes L					144 144 184 184 184 184 184 184 184 184		TKU	35
Dusk	מונוני	do			-	/	<u> </u>	77.	/
Paral	exina !	MAIR Shea	1,		•	////		<u></u>	6
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Maria Maria

MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
-		Colifiolds (Lasthenia.)
		filaree (Erodium SP)
		Baby Blue eyes
		Courtantha
#ELNL 01	Pain +	Cryptantha Lotus SP - Smull yellow Flower.
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TOTAL NUME	BER OF QCB DET	FECTED: $egin{array}{cccccccccccccccccccccccccccccccccccc$

Page 2 of 3

Recorder: Gretche	a Comi	mings Add'l	Person: _E	Eugene		Date:	3/24	10
Project: <u>Campo</u>	Wind Energ	y Project	Map #: _	19	7	Survey Sx	ന:	
GPS Unit : 4					tocol Survey#			
TiME (24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START 0945	64	4.9/10.1		Clea	patchy	overcast	drizzle	shower
1100	70	7.6/10.9		clea	patchy	overcast	drizzle	shower
130D	70	3044	,	clea	r (patchy)	overcast	drizzle	shower
1415		9.1130		clea	r (patchy)	overcast	drizzle	shower
<b>Q5300</b>	Q (50)	(2.6)Dans		. clea	r patchy)	overcast	drizzle	shower
1/500		•	· · · · · · · · · · · · · · · · · · ·	clea	r patchy	overcast	drizzle	shower
END 1520	75	a.0163		clea		overcast	drizzle	shower
Habitat On-site (circle)			rock outer	ops, soil cr	rusts, clay soils	old roads	various ne	ctar sources
		y Species				Tally		Total
Callophnys	affini5	(Green Ha	protrea	ĸ\	4111	•		7
Vanissa co	rodui 1 f	Painted 10	di	. /	41411	X IIX II	•	22
Sphyngid m	offs	200	<del></del>		1111	<del>// 1/ // //</del>		4
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Erynnis p Anthochoris	Sera	(Sara's	Orange	40)	WHIL	H11		17
Pontia sp.		<u> </u>	9	11,0	I I			
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Colias Sp.								
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
GCNLI	Woodrat nest	Son Diego Desert Woodret nest in Your
		WEST IH
		Plagiobothrys sp.
GCBJI	Jackrabbit pellets	Black-tailed Jackrabbit pellats fresh
		Arctostaphylos sp.
		Amsinckie measuresteens menzesis
		CORA III
6CBJ2	Jackrabbit	Jackrabbit between shubs startled out
		Pectocarya
		BUSH II
		Thomomys bottal burnows
		CATHI
		Uta stansburiana 11
		Sylvilagus auduboni IV
	·	Spermophilus beachayi II
		HOWR I'
	***************************************	Sceloporus orcutti III
		Neotoma fuscipes nest under Oak
	·	Lasthenia sp. (Goldfields)
-		Sceloporus occidentalis III
-,		LEGO II
		OATI (1
		5PTO 1
GCNLA	Woodrat Nest	BOODD Son Diego Desert Woodnet in boulde
		Nemophila menziesii lots!
		Descuração pron 9+9
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TOTAL NUMI	BER OF QCB DET	ECTED: INDIVIDUALS

Page 2 of 3

Recorder:	Margie	L Mull	1gan Add'I	Person:	>.Innek	in Ppair	<u>7</u> Date:	3.24.	46
Project:	Campo	Wind Energy	y Project	Map #: _	15		Survey Sx	(n:	
GPS Unit	2			QCB Proto	col Survey#	1	of	5 .	
TIME (2	24-hour)	Temp (F°):	Wind (avg/max) औ	% CC			Sky		
START			37 V <sub>2</sub>		cjear	patchy	overcast	drizzle	shower
	1412	72	1-8	20	/ølear	patchy	overcast	drizzle	shower
	15/2	. 72	5-6	20	Elega	patchy	overcast	drizzle	shower
	1630	סל	3-5	20	clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
END					clear	patchy	overcast	drizzle	shower
Habitat On	-site (circle)	: open soils(	hilltops, ridges	Yock outci					
				<u> </u>					
		Butterfly	/ Species				Tally		Total
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PP2	PLEXINO	SHAIR	SMEAK	7		11			12
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	PRAIRIE FALCON
	TRIVE FACCON
	REDTAIL
NECTAR SOURCE	·CRYPTANTHA SP. CINTERMEDIA
	Caulanthus simulans - & plants sightered
	Collinsia hostplants?
Sensitive plant	Caulantous simulans - end st of plans
)	Scattered midslope accord below
	vidge between MMCSO3.
	Sensitive Plant host plant sinsitive plant  BER OF QCB DET

Page <u>2</u> of <u>2</u>

Recorder:	Greto	hen Cu	mming Addil	Person:	Eugen	œ	Date: _	3/24	10
			y Project		_		_ Survey Sx	in:	
GPS Unit:		4	·		QCB Pro	tocol Survey #	#	of	5
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC		AH	Sky_		
START	1520	75	2.0/4.3		clea	ar patchy	overcast	drizzle	shower
-					clea	ar patchy	overcast	drizzle	shower
	-				clea	ar patchy	overcast	dnzzle	shower
					clea	ar patchy	overcast	drizzie	shower
					. clea	ar patchy	overcast	drizzle	shower
					clea	ir patchy	overcast	drizzle	shower
END	1600	70	3.4/8.2		clea		overcast	drizzle	shower
Habitat On	-site (circle):	open soils,	hilltops, ridges	, rock outer	ops, soil ci	rusts, clay soi	ls, old roads	various ne	ectar sources
		Butterfly	Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)								
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TOTAL NUMF	BER OF QCB DET	TECTED: () INDIVIDUALS								

Page <u></u> of <u></u>

Recorder: M. He	ath	Add'l	Person:	ewis Cu	nnoll	\ Date:	3/25/	10
Project: Campo	Wind Energ	y Project	Map #: .	12,13	ح	) Survey Sa	kn: <u>/ / / /</u>	
GPS Unit : 8	31-72 <del></del>			QCB Protoco		4		
TIME (24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START 100	60	341/4.9	0%	clear	patchy	overcast	drizzle	shower
1220	61	7.2/10.3	0%	clear	patchy	overcast	drizzle	shower
17.0	6(	9.9/17.2	0%	clear )	patchy	overcast	drizzle	shower
15:00	61.5	559 14.11	0%	clear	patchy	overcast	drizzle	shower
16:20	60:5	14.2/21.3	0%	clear	patchy	overcast	drizzle	shower
		t	16	clear	patchy	overcast	drizzle	shower
END				- clear	patchy	overcast		shower
Habitat On-site (circle)	open soils	hilltops, ridges	s, <b>(</b> ock outc	rops, soil crusts	clay soi	ls old roads		ctar sources
							tew	
		y Species		ş :	r.	Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		Buchbrish Playering
\N		Ramona Lilac Plonein
0		Mexica Mangale 4
a free		Fradium J
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		Mineis etters lover
		Grand lotus 111.
		Willow Ploner unid (picture)
		Mustand-smil
MHLIO(	Sersitive Sp	Mountain Lien Tracks (lound 2 where ago
	V	but I lought to GPS at that time
		Parenous flower
		V
		Map 13 - Many Large cat
		tracks the anon
<u>:</u> .		
TOTAL NUMI	BER OF QCB DE	TECTED: INDIVIDUALS

Recorder:	DAVI	DK. FAUIL	ecor Add'l	Person:	Gogane.	D,	Aple	Date:	35 Mag	<u>d. 2010</u>
Project:	Campo	Wind Energy	Project	Map#:_	25/ <i>2</i> 4	<u> </u>		Survey Sx	rn:	
GPS Unit:	<u>#7</u>	•			QCB Prote	ocol :	Survey#_	1	of	5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% cc				Sky		
START	1300	630	T W	Ø	Clea	<u>D</u>	patchy	overcast	drizzle	shower
-					clea	r	patchy	overcast	drizzle	shower
					clea	r	patchy	overcast	drizzie	shower
				-	clea	r	patchy	overcast	drizzle	shower
					clea	r	patchy	overcast	drizzle	shower
					clea		patchy	overcast	drizzle	shower
END	1400	ايمكيا	9 W	, Ø	clea	Ď	patchy	overcast	drizzle	shower
Habitat On	-site (circle)	open soils,	hilltops ridge	rock outc	rops, soil cr	usts,	clay soils,	old roads,	various ne	ctar sources
		Butterfly	Species					Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
#25 (24)		Nectar Sourcest Poppies
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		Crypta-tha Lotus
		21 : 1
		Buty blue syes
		Gustand (ustine)
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TOTAL ALLIAM	BER OF QCB DE	TECTED: Ø INDIVIDUALS

Page <u>2</u> of <u>2</u>

Recorder:	O rund	K- FAUL	Add'l F	Person:	Eugens	Pablo	Date:	25 HM	र्ट ने ने ने
			Project		•				
GPS Unit :	47	·			QCB Prot	ocol Survey #	<u> </u>	of	5
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	1400	ලුව	ع سولان	Ø	clea	patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
					clea	·	overcast	drizzle	shower
END	1600	590	لن) ಟಿ hilltops, ridges	Ø	clea	<b>D</b> patchy	overcast	drizzle	shower
Habitat On	-site (circle)	: open soils,	hilltops, ridges	Tock outc	rops, soil cr	usts, clay soi	ls old roads	various ne	ctar sources>
		Butterfly	Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)					
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		Cryptonia ) Hower get					
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TOTAL NUM	BER OF QCB DET	TECTED: Ø INDIVIDUALS					

Page \_ \_ of \_\_\_\_

Recorder:	DAVID	K. FAULK	Add'l	Person:	Eugene P	Abb		Date:	25 MAG	Lit Zoio
			Project		-					_
GPS Unit	<u> </u>	· ·			_ QCB Prot	tocol	Survey #		of	5
			Wind							
	24-hour)	Temp (F°):	(avg/max)	% CC				Sky		
START	il ØC	60	7 <u>w</u>	Ø	Cléa		patchy	overcast	drizzle	shower
	1700	61	6 W	Ø	cleá		patchy	overcast	drizzle	shower
					clea		patchy	overcast	drizzle	shower
					clea		patchy patchy	overcast overcast	drizzle drizzle	shower
					clea		patchy	overcast	drizzle	shower shower
END	1300	63	_ 7	Ø	Clea		patchy	overcast	drizzie	shower
			hilltops ridges		rops, soil cr	usts.	clav soil	s old foads	various ne	ectar sources
						,	olay com	0.0	, , , , , , , , , , , , , , , , , , , ,	ocial occine
		Butterfly	Species					Tally		Total
C. po	pleye									6
V. Ca	raui									3
A- SA	TA.									15
N. C.	i-famicae									2
P. <del>5</del>	B Sisymb	-0								2
C. Au	qustime	2					-			3
Pineto	n sphin-	Ý								Lots
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)				
Mp +27		Few Amounts in flower	Constanta			
· ·			Mustand (native)			
			Gradium sp.			
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TOTAL NUMI	BER OF QCB DET	rected:	INDIVIDUALS			

Page <u>i</u> of <u>2</u>

Recorder: 1	David F	-lietne	C Add'l	Person: 5/	nilley 1	nn(	eckon	Date:	3/2.	5/10
Project:	Campo	Wind Energy	Add'l	Map #: _	5	· .	<u> </u>	Survey Sx	on: <u>* * /</u>	vía
GPS Unit:	6				QCB Prot	ocol	Survey#	1	of	
TIME (24		Temp (F°):	Wind (avg/max)	% CC				Sky		
	1130	63	4-8	0	(,clea	<u>r)</u>	patchy	overcast	drizzle	shower
	12				clea	r	patchy	overcast	drizzle	shower
					clea	r	patchy	overcast	drizzle	shower
					clea	r	patchy	overcast	drizzle	shower
					clea	r	patchy	overcast	drizzle	shower
			<u> </u>	•	clea	L_	patchy	overcast	drizzle	shower
END	1200	63	4-8	0	clear	r) ·	patchy	overcast	drizzle	shower
Habitat On-	site (circle):	øpen soils,	hilltops, ridges	rock outer						
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		Butterfly	Species				******	Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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TOTAL NUMI	BER OF QCB DE	FECTED: $\mathscr{V}$ INDIVIDUALS

Page 2 of 2

Recorder	David	d Flieh	<b>18/</b> Add'l	Person: 54	hirley 1	nnecke	س_ Date:	3/2	5710
Project: _	Campo	Wind Energ	y Project	Map #: _	15		_ Survey S	xn:	
3PS Unit	t:	6		· · · · · · · · · · · · · · · · · · ·	QCB Proto	col Survey#		of	5 .
TIME	(24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	1220	78	<u>G-3</u>		clear	<b>)</b> patchy	overcast	drizzle	shower
	4			/	clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
		·			clear	patchy	overcast	drizzle	shower
	15126	72		0	clear	patchy	overcast	drizzle	shower
END	1340		0 - <u>5</u>		clear	patchy	overcast	drizzle	shower
abitat O	n-site (circle	). ppen soils,	hilltops, ridge	s rock outer	ops son cru	sts, clay soli	s, old roads	, various ne	ectar sources
	0 -	1 //	/ Species			4	Tally		Total
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AP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIS
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		Ceanoth cupeatus
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Page <u>2</u> of <u>2</u>

Recorder:	David	Fliety	<u>2√</u> Add'l	Person: <u>S</u>	rivley	Innocken	Date: _	3/25/	10
Project: _	Campo	Wind Energy	/ Project	Map #: _		19	_ Survey Sx	in:	
GPS Unit	:				QCB Proto	ocol Survey #		of	5 .
TIME (	24-hour)	Temp (F°):	Wind (avg/max)	% CC	Slicht	t huze	Sky		
START	1410	72	<del>2</del> ~/_	6	clea		overcast	drizzle	shower
			3-7_		clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
		·-			clear	r patchy	overcast	drizz!e	shower
					clear	r patchy	overcast	drizzle	shower
					clear	r patchy	overcast	drizzle	shower
END	1645	tol	2-4	0	clear		overcast	drizzle	shower
Habitat Or	-site (circle)	open soils,	hilltops, ridge	s, rock outcr	ops, soil cri	ūsts, clay soils	s, old roads(	various ned	tar sources
•••		•c.		Service Control of th					
			Species			<b>9</b>	Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
DFLVOI	P	Luthyrus vestitus
DECSOI	pt	Coulanthus simulans ~20
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		Venoph menz
		Place to porys go
e de la companya del companya de la companya del companya de la co		Colyptantha (Small)
		doct sign
		Canissonia
TOTAL NUMI	BER OF QCB DET	TECTED: INDIVIDUALS

Page  $\overline{Z}$  of  $\overline{Z}$ 

Recorder:	DAVE	FLI	<b>FNG</b> [Add'l	Person: <u>S</u>	HIPLE	للبخ	UNEC	<u> 1431</u> Date:	3/2	6/10
			y Project			1 /			,	
GPS Unit	:2	<u> </u>			QCB Pro	otocol Si	urvey #		of	5 .
TIME (	24-hour) 1025	Temp (F°):	Wind (avg/max)	% CC		***************************************		Sky		
START	1020	63	0-2		(, cle	ar) p	atchy	overcast	drizzle	shower
	1240	65	0-2	$\bigcirc$	Cie	ar) p	atchy	.overcast	drizzle	shower
			-	. ,	cle	ar p	atchy	overcast	drizzle	shower
					cle	ar p	atchy	overcast	drizzle	shower
					cle	ar p	atchy	overcast	drizzle .	shower
					cle	ar p	atchy	overcast	drizzie	shower
END	1450	725	G~2	0			atchy	overcast	_drizzle	shower
Habitat On	ı-sité (circle):	open soils,	hilltops ridges	Cock outcro	ps, soil c	rusts, c	lay soil:	s, old roads,	vacious ne	ectar sources
	·									
		Butterfly						Tally		Total
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	Brunk	do D	girstreak			1:				5
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	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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DFHLOI	point	Horred lizard
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DIEPUI	excluded Doly	dense chaparral
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	REP OF OCR DET	ECTED: (7) INDIVIDUALS

Page of 2

Project   Campo Wind Energy Project   Map #: 13   18   Survey Sxn:	Recorder: M. Heath Add'l Person: Lewis	Connolly Date: 3/26/	10
CPS Unit :	i ii	_	
TIME (24-hour) Temp (FY (avg/max)) % CC  START   0:00 57   1:2 / 0:4 0.70   clear patchy overcast drizzle shower    11:30   b4:7   0-5 0.9   clear patchy overcast drizzle shower    13:00   64:5   3:0/4:3 0.70   clear patchy overcast drizzle shower    14:30   67:6   2:1/4:1 0.70   clear patchy overcast drizzle shower    16:30   67:8   6:0/8:6 0.9   clear patchy overcast drizzle shower    16:30   67:8   6:0/8:6 0.9   clear patchy overcast drizzle shower    16:30   67:8   6:0/8:6 0.9   clear patchy overcast drizzle shower    END	CPS Unit: 4	÷	5
START 10:00 57 1.2/04 070 clear patchy overcast drizzle shower  11:30 14:1 0-2 09 clear patchy overcast drizzle shower  13:63 64.9 3.0/4-3 076 clear patchy overcast drizzle shower  14:130 67.6 2.1/4:1 0.6 clear patchy overcast drizzle shower  16:30 67.8 6.0/8.6 0.0 clear patchy overcast drizzle shower  16:30 67.8 6.0/8.6 0.0 clear patchy overcast drizzle shower  END clear patchy overcast drizzle shower  END clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  Habitat On-site (circle): Spen soils (hilltops, ridges, tock outcrops) soil crusts, clay soils old roads, various nectar sources from Souther Shower  Tally Total  Creen hanstroak Hill the Hill Hill Hill Hill Hill Hill Hill Hil	/ Winds   }		
11:30   14:7   0-5   0	TIME (24-hour) Temp (F°): (avg/max) % CC	``_`	
13 60 64.9 3.0/4.3 0% (clear patchy overcast drizzle shower   14130 67.6 2.1/4.1 0.6 (clear patchy overcast drizzle shower   16:30 67.8 6.0/8.6 0% (clear patchy overcast drizzle shower   16:30 67.8 6.0/8.6 0% (clear patchy overcast drizzle shower   16:30 67.8 6.0/8.6 0% (clear patchy overcast drizzle shower   16:30 67.8 6.0/8.6 0% (clear patchy overcast drizzle shower   16:30 67.8 6.0/8.6 0% (clear patchy overcast drizzle shower   16:30 67.8 6.0/8.6 0% (clear patchy overcast drizzle shower   16:30 67.8 6.0/8.6 0% (clear patchy overcast drizzle shower   16:30 67.8 6.0/8.6 0% (clear patchy overcast drizzle shower   16:30 67.8 6.0/8 6.0/8 6.0/8 6.0/8 6.0/8 6.0 0% (clear patchy overcast drizzle shower   16:30 67.8 6.0 0% (clear patchy overcast drizzle shower   16:30 67.8 6.0 0% (clear patchy overcast drizzle shower   16:30 67.8 6.0 0% (clear patchy overcast drizzle shower   16:30 67.8 6.0 0% (clear patchy overcast drizzle shower   16:30 67.8 6.0 0% (clear patchy overcast drizzle shower   16:30 67.8 6.0 0% (clear patchy overcast drizzle shower   16:30 67.8 6.0 0% (clear patchy overcast drizzle shower   16:30 67.8 6.0 0% (clear patchy overcast drizzle shower   16:30 67.8 6.0 0% (clear patchy overcast drizzle shower   16:30 67.0 0% (clear patchy overcast drizzle shower   16:		/	··-·
14130   67.6   2.11 / 41   0.6   clear patchy overcast drizzle shower   16:30   67.8   6.0 / 8.6   0.0   clear patchy overcast drizzle shower   clear patchy overcast drizzl		assault of	
16:30 67.8 6.0 8.6 0%   Clear   patchy   overcast   drizzle   shower	14130 67.6 2.1 / 4.1 0.6 cles	<del></del>	
Clear patchy overcast drizzle shower		51	
Habitat On-site (circle): Spen soils (hilltops, ridges, tock outcrops) soil crusts, clay soils, old roads, refour nectar sources  Butterfly Species  Tally  Total  Souther Blue  Fainted Lady  Acmor Blue  Sara Orange Tip  Blue Sp			
Butterfly Species  Tally  Total  Souther Blue  Green harstreak  Painted Lady  At man Blue  Sara Orange Tip  Blue Sp  Blu		ar patchy overcast drizzle	shower
Sorther Blve  Green harstreak  Painted Lady  At mun Blve  Sana Obange Tip  Blie Sp  U  Behr's Metalmark  Diskyung  Uh. H. 30	Habitat On-site (circle): spen soils hilltops, ridges, tock outcrops soil c	rusts, clay soils, old roads, various ne	ctar sources
Green harstrock  Painted Lady  He man Blive  Sana Obango Tip  Blive Sp  U  Behr's Metal mark  Diskywing  Uhik 30	Butterfly Species	Tally	Total
Green harstrock  Painted Lady  He man Blive  Sana Obango Tip  Blive Sp  U  Behr's Metal mark  Diskywing  Uhik 30	Souther Blue	-	1
Painted Lady Acmon Blue Blue Sp Blue Sp Blue Sp Blue Sp Blue Sp Blue Sp Bunis Metalmank  Diskywing  White \$0  III  J  J  J  J  J  J  J  J  J  J  J		THE HIL THE MUI	21
Acman Blue  Sang Orange Tip  Blue 5p  Blown Elfin  Buhi's Metalmark  DVSKywing  Uhite 50		•	
Sara Orange Tip  Blue 50  Blown Elfin  Dyskywing  What 30	Armon Blue		6
Behr's Metalmark  Diskywing  White 30	Sang Obango Tip	差差差差差	35
Bohr's Metalmark  Dyskriumg  114  5  11h. R 30	Blue So		2
Bohr's Metalmark  Dyskriumg  114  5  11h. R 30	Ocean Elfin		1
Duskywing MH 5		Ti	5
Spring white 2 matring PH HM III 13			5
Spring White 2 matring 13	1/h. 4. 30		3
	Social Mate 2 metric	17.7	1
	Spring wife Zvarry	The state of the s	-
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
	,	Pop Carn Nove
		Fradering "
		Maxican Manhanita 4
		Babu blue eyes "
		ANDUNCE COTTON TAIL / POCKET GOPHER /WOODRAT NEST SI
		SCJA AMCO BUSHTITS CARY
		Miner's LETTUCE Phoein
		MUSTARD -SMALL "
		BITCH BRUSH Flowering
		ANHU
		GOLDPIELDS
		CMIF POPPY
		DESERT WOOLY DAISY
		FIDDLENECK
		PEONY .
		WHITE THORN CEANOTHUS
		Yucca
·····		3TSP TOVU RTITA
	<u> </u>	WESTERN FENCE LIZARD
		TREE FROGS TADPOLES NEARBY /5P??
11+EP220	Map13	Derse Chapanal
·		
	BER OF QCB DE	TECTED: Ø INDIVIDUALS

Page <u>2</u> of <u>2</u>

Recorder:_	DAVIO	- FAUIKN	Add'l F	Person:e	Eugene P	Ahlo	Date:	27 Marc	4 2010
Project:	Campo	Wind Energy	/ Project	_ Map#:_	24		Survey S	xn:	···
GPS Unit :	S				QCB Proto	col Survey#		of	<u>5</u> .
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	0900	56	12	<b></b>	clear	patchy	overcast	drizzle	shower
	1000	56	10	ø	clear	patchy	overcast	drizzle	shower
	1100	67	16	Ø	clear	patchy	overcast	drizzle	shower
	(200	63	7	ø	clear	patchy	overcast	drizzle	shower
				, , , , , , , , , , , , , , , , , , ,	clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
END	1300	الا	13		clear	patchy	overcast	drizzle	shower
Habitat On	-site (circle)	Open soils,	hilltops, ridges	, rock outc	ops, soil cru	sts, clay soils	old roads	various ne	ctar sources
			Species				Tally		Total
Gry	nnés ferm	ulis							1
A. 6	in A								5
Fred	se jotte	<u> </u>							4
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
A 24		Nector = Pappies
,		Endian
		Endion Baby blue uper Amsinkia Lupines
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	·	Am Si akt a
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Page <u></u> of <u>1</u>

				rieid Da	ita Sneet					
Recorder:	Natalie	Brodie	Add'l	Person: P	hillip.	.5		Date: _	29 Ma	r. 2010
Project:	Campo	Wind Energ	y Project	Map#: _	4			Survey Sx	m:<	<u> </u>
	:#8	1								<u> </u>
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC				Sky		
START	1230				clea	r) (	patchy	overcast	drizzle	shower
	1345	73°	2/4	20-30%	clea		patchy	overcast	drizzle	shower
	1445	73°	2/4	10-ZO 1.	clea	r	patchy	overcast	drizzle	shower
	, ,	•			clea	Г	patchy	overcast	drizzle	shower
					clea	۲.	patchy	overcast	drizzle	shower
					clea		patchy	overcast	drizzle	shower
END	1600	70°	4/6	Ø	clea	$\overline{\zeta}$	patchy	overcast	drizzle	shower ectar sources
Habitat Or	n-site (circle)	): open soils,	hilltops, ridge	s, rock outer	ops, soil cr	usts	s, clay soils	, old roads,	various n	ectar sources
					·	1				
			/ Species					Tally		Total
	· blue					lil				
Sara	ovarge	tip	· 			M	7			C
FUNLYE	al Dusk	wing _				W				5
Marybl	ر	./ }				HI	UK!			(1
Perola	aine Hall	vstveak				11				2
	Metaln					1(1)				3
				11-1		11				2
Paniala	dhia					11				3
Visit in	la Gast	Svifer	·			111				3
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MAP/GPS LABEL	POINT/POLYGON TYPE	SPECIES LIST (NECTAR SO	PPED POLYGOS AND GPS P OURCES, GENERAL WILDLI	FE LIST)
		Cryptalitha sp.		
-		GoldFields	•	
1BCH02	point Next plant	Cellinsia (20+) in	bushes (serub oak ?	chamise
NBHLOI	120 IMT	horned lizard		
17.11				
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Page <u>2</u> of <u>2</u>

Recorder:	Noble	Brodin	Add'	Person: P	hillip			Date:	201 M.	ar 2010
Project:	Campo	Wind Energ	y Project	Map #: _	3			Survey S	kn:3	Ф <u>У</u>
	#8									5
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC				Sky		
START	0930	be "	0-2		Clea	к. ГЭ	patchy	overcast	drizzie	shower
	10×10	69	0-2	6	Clea		patchy	overcast	drizzle	shower
	1130	70"	0-2	16%	clea	5	patchy	overcast	drizzle	shower
			1.		clea		patchy	overcast	drizzle	shower
					clea		patchy	overcast	drizzle	shower
					clea		patchy	overcast	drizzle	shower
END	1245	720	0-2	70% migh	clea		patchy	overcast		shower
			hilltops, ridge							
	(0)	· Control		, , , , , , , , , , , , , , , , , , , ,	opo, <u>con o,</u>	<u></u>	Doidy Conc	,(0,0,1,000,0	Carloadin	
		Butterfi	y Species					Tally		Total
Sara	OYOUN	Je hp	,			湘江	W 1			il
Arm	61 10					JKI.				10
Pern	Aina a	civstreak				M				Ø
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		WORK				M				5
FUNCE	ad Da	KVINING				JH1	1			$\overline{\varphi}$
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
NEARCI	point/liest plant	Antwinnin nattes 3 governd buckwheat
Nector	ou.nt/lost plant	504 Collinsia in shorte of chamile
NECDOL	Pint Most plant	3 (ordylanthus spinutin chack in asphult
NBCD02	point/host plant	5+ cordylantus sprivte along road, godfields
	10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	
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Page <u>2</u> of <u>2</u>

Recorder:	M. He	eath	Add'l	Person:	Josh	Paija	Date: _	3/29/	10
Project:	Campo	Wind Energ	v Project	Map #: _	18/8		_ Survey Sx	:n:	
GPS Unit	4			,	QCB Prot	ocol Survey#	!	of	5 .
	24-hour)	Temp (F°):	Wind (avg/max)	% CC		2	Sky		
START	11:00	73.(	2.9 /5.8	0%	clea		overcast overcast	drizzle drizzle	shower shower
	12.00	72.2	20/5.6	0%	(clea	<u> </u>	overcast	drizzie	shower
	13:30	77	2-3/5-3	00	clea	r patchy	) overcast	drizzle	shower
	16:00	72	5.7/14.9	00	clea	r patchy	overcast	drizzle	shower
			. •		clea		overcast	drizzle	shower
END Habitat On	-site (circle)	nen soils	l hilltops, ridges	rock outer	clea		overcast old roads	drizzie	shower
i labitat Oil	-site (circle)	pperi solis	riiiiops, nages	, IDOK OUIC	OP8, 3011 CI	usts, gay son	s, <del>carriagadis,</del>	vancuis iic	
		Butterfi	y Species		-		Tally		Total
Sanc	Orange	Tin				H H ML	H+ HH 1	1	27
50x 14 9		7		, ·	. 3	M III			9
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Green	heirste					HHL H	וו שר וו	4.	23
Blue &						111	19 11 11 11 11 11 11 11 11 11 11 11 11 1		3
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		Frodin Gowe
		Mustand (sould) "
		Fiddleneck "
_	18	Baby blue eves "
		Pogan
	J. C	DTSP/SCJA/TUVY/4000 PECKER SP?
	1/0.1	Gold Dield > ""
		Duc's "
		Wild everybe 4
3 4		Creamed flower "
	The grant of the same of the same	Uh. Ze than cecentles "
	***	Cald. Popon
MHPCOI	Seative 80 /	Jewel Davel notion Paysons and_
13	0 (	" I co comple/pinh same location Shere
		man plant & area of NE rup 18
		pocked gopher & coude sign
MHHLOZ	Horned lizard	Large Mao 8
	. * 4	Mexica Monglenta floria
		Scrub oak Monoring
MHHL 03	1 1	Smell-Tul Map 8
		Purple lupine - l'ag pours - Stry
		Spins Izand
TOTAL NUM	BER OF QCB DE	TECTED: O INDIVIDUALS

Page 2 of Z

Recorder:	Dale	Powell	Add'l	Person:(	Judi Bat	ely		Date:	3/29/	10
Project: _	Campo	Wind Energ	y Project	Map#:_	11			Survey S	xn:	
GPS Unit					_ QCB Prot	ocol Sur	vey#_	1	of	<u>5</u> .
TIME (	24-hour)	Temp (F°):	Wind (avg/max)	% CC				Sky		
START	9:30	62°	1/5 5	0	Clea	pat pat	chy	overcast	drizzle	shower
	11.00	750	5755		clea	pat	chy	overcast	drizzle	shower
	12:00	200	48 50	2011/2	clea	r pat	chy	overcast	drizzle	shower
	13:00	770	7/11 Sw	. १	clea	r (pat	chy	overcast	drizzle	shower
	17.00	300	<u>6/10 Sw</u>		clea	r ƙat	chy	overcast	drizzle	shower
	15:00	760	6/1254		çlea		chy	overcast	drizzle	shower
END	16:20	75°	510 547		clea		chy	overcast	drizzle	shower
Habitat Or	n-site (circle)	open soils,	hilltops, ridges	s, reck outc	rops, soil cr	usts, cla	y soils,	old roads	, various ne	ctar sources
		Butterfly	/ Species					Tally		Total
50.	Marie Our	· ·	Λ			11-1	المهمرة التنظيم	THE ATT	417 447	7
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		Amounkia
		Cvy ptontha
		Eradium
		LosThomia
		Mustava ?
		101151000 v
		Wiola
		Crountbus
		Color Person
		Bally Glass
		Mayoute
		Carron
	-	

Page <u>2</u> of <u>2</u>

# Quino Checkerspot Butterfly Protocol Survey Field Data Sheet Louis Connil y Tignial Add'l Person: Andrew Fisher Date: 3/29 Project: Campo Wind Energy Project Map #: 16

QCB Protocol Survey # \_\_\_\_\_ of \_\_\_ 5

Survey Sxn:

T184T (0.4 b )	T (F9).	Wind	8/ 66			01		
TIME (24-hour)	Temp (F°):	(avg/max)	% CC			Sky		
START 015	60	0	<u> </u>	Clear	patchy	overcast	drizzle	shower
01015	60	0		clear	patchy	overcast	drizzle	shower
1115	76	0-5	0	clear	patchy	overcast	drizzle	shower
1215	78	0-6	J.O	clear	patchy	overcast	drizzle	shower
1315	79	0-6	40	clear	patchy	overcast	drizzle	shower
1415	81	8-7	Lio	clear	patchy	overcast	drizzle	shower
END 1515	74	a-5	5	clear	patchy	overcast	drizzle	shower

GPS Unit: # 7

Habitat On-site (circle): open soils, hilltops, ridges, rock outcrops, soil crusts, clay soils, old roads, various nectar sources

Butterfly Species	Tally	Total
Perplexing Hairstreak	HILLANDIA WILL	29
Painted Lady	uit	5
Marble/spring White	HICHIMANIA -	24
Funerial Duskywing	CHUH	10
Savah Ovange T.D	THE WALLAND	24
Unid Dusk		5
Spring Azure		2
Pale Swallowtail	1	<b>a</b>
Common white	(	1
Brown Elfin	+1111	5
Tortoise Shell	1	2
Gabbs? / Underwing moth?	1	2
Behra Metalmark	MII	4
Acmonblue		4
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Homed Lizard APHLOT

MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
APHLOI	Sensitivesp Point	Horned Lizard - juvenile
APHLOZ	)	11
APHLO3		<b>)</b>
SPHL04		· (1) · · · · · · //
APBJ 01	V	Blacktailed Jackvabbit
		Ceanothus conentus blooming
		Arabis SP 11
		Erodium cicutavium 17
		Namophela menz 1
		Cryptantha sp. 11
		Lasthenia sz. Just starting
		Lathrys SP " "
		EAGNY 37
·		
		Bird: HOLA, CORA, INEKI
		WEBC, BUSH, BTSP
		CAVI, NOI 5
•		
		Sochler Rotto Snake, Side-Hote
		Fense Litard, Gravite sping
		WERRO
TOTAL NUM	BER OF QCB DET	TECTED: INDIVIDUALS
		Page Zof 2
		PageOt

			Quino Chec		utterfly Prot ata Sheet	ocol Survey	1		
Recorder:_	DAVID:	K FAUIKN	er Add'i l	Person:	Evgene	266	Date:	3-29	- 2010
Project:	Campo	Wind Energy	y Project	_ Map #: _	23	1	_ Survey <sub>:</sub> Sx	kn:	
GPS Unit :	5				_ QCB Proto	col Survey#	_1	of	5 .
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	0900	69	1 mpg	Ø	cleâr	patchy	overcast	drizzle	shower
	1000	7-30	1	Ø	Clear	patchy	overcast	drizzle	shower
	1100	780	1	Ø	(clear	patchy	overcast	drizzle	shower
	1200	910	(	Ø	clear	patchy	overcast	drizzle	shower
	1300	83	5	50%	clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
END					clear	patchy	overcast	drizzle	shower
Habitat On	-site (circle)	open soils,	hilltops, ridges	ock outc	rops, soil cru	sts, clay soil	s, old roads	, various ne	ctar sources
		Butterfly	/ Species				Tally		Total
α «	2.01								257
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	3					,			7
C	hospierie	= (ait )						•	7
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5	WW 3	1. 20							2
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N.	Californ	NCG							
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PLANTS. Map #23 Composites (goldsfields) Congetante Gradium. Baby blue eyes General Amsinckia + Hondizard MARK CALI 115 0560872 DEHLOL UTM 36105 48 OCB ; - Q

page 2 of 2

Recorder:	G.MC	K. FAUIL	Chicy Add'll	Person:	Eugene	Pablo	Date: _	29 May	22010
			/ Project		•				
GPS Unit :				WCC 88 /2	_ QCB Proto	col Survey#	Ċ	of	<u>5</u> .
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC		8	Sky		
START	1400	810	2 uple	50	clear	patchy	overcast	drizzle	shower
			<u> </u>		clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
	100-400				clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	885			clear	patchy	overcast	drizzle	shower
END	1500	8 (8	ج بے 5 hilltops, ridges	<u>Ø</u>	Clean	patchy	overcast	drizzle	shower
Habitat On	-site (circle)	): open soils,	hilltops, ridges	, rock outc	rops, soil cru	sts, clay soils	s, old roads,	various ne	ctar sources
la .		Butterfly	Species			20	Tally		Total
Eu	chloe 4	. Latter							2
A-	SAM.								3
M.W C-00000 - F									l
· C.	Derbien	<u> </u>							(
							81		
*						3 33 3000			1
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)					
#20		Goldfields					
		popos					
		Geddiolds  poppies  Crytack					
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		FEOTED A INDIVIDUAL O					

TOTAL NUMBER OF QCB DETECTED: \_\_\_\_\_\_ INDIVIDUALS

Page 2 of 2

Recorder:	DAUET	) K. FAWI	Add'l	Person:	Eugens P.	واط	Date: _	29 H	42201D
Project: Campo Wind Energy Project				•					
GPS Unit	5_				QCB Protoco	Survey#	g g	of	5 .
TIME (	24-hour)	Temp (F°):	Wind (avg/max)	% CC		25 1	Sky		
START	1500	81	5	Ø	clear	patchy	overcast	drizzle	shower
				7	clear	patchy	overcast	drizzle	shower
					clear	patchy		drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast		shower
					clear	patchy	overcast	drizzle	shower
END	1600	62	(5	Ø	Clear	patchy	overcast	drizzle	
				<u> </u>	rops, soil crust				shower
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		Butterfly	Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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		comptail.
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TOTAL NUM	BER OF QCB DE	TECTED: 💹 🥦 INDIVIDUALS

Page <u>2</u> of <u>2</u>

Recorder:_	MARC	SIEMUL	-LIGANAdd'I	Person:			Date:	3.30.	10
Project:	Campo	Wind Energ	y Project	Map#:_					
GPS Unit :	<u> </u>			-	QCB Prot	ocol Survey#	Throndon	of	<u>  5                                  </u>
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		*
START	1040	7	3-6	5	clea	r patchy	overcast	drizzle	shower
	1205	73	4-6	0	Clea	patchy	overcast	drizzle	shower
	1335	73	4-7	0	Clea	r patchy	overcast	drizzle	shower
		,			clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
END					clea	patchy	overcast	drizzle	shower
Habitat On	-site (circle)	: open soils,	hilltops, ridges	rock outc	rops soil cr	usts, day soils	s, old roads,		ctar sources
	, ,								
		Butterfly	y Species				Tally		Total
Behr	s Metal	mark				TTH- ///	İ		9
Perol	exing	tairstre	ak			HH 111			8
Cara	's Oran	or Tis				Mr I			6
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
MMCSOI	rare plant pt	Caulanthus simulans - scattered on to 2
MMMOI	rare plant pt Schsikveheppt	Horn Cizard -1
-3	1 1	
	Nectar Sources	Pectocarya liacanis Amsinkia menziesii
		Pectocarya lincans
		Amsinkia menzesij
		Cercocarpus Keinek Autor betuloides Erodium cicutarium
		Erodun cicutarium
		Escholtzia sp?· Nemophila menzics;
	,	Nemophila menzics;
		(Lastnenia only in bud at site)
		O -
MMEPOI	polygon	should be excluded. Toodense w/ too
		small of an opening. Did survey for QCBHI-
MMEPO2	polygon	should be excluded ble too dense
		small and very steep of DG. Did not see
		small and very steep of DG. Did not see
		any butterfies in habitat. Did survey for
		QCB#1.
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	BER OF QCB DE	TECTED: O INDIVIDUALS

Page 2 07\_

Recorder:_	Dali	e Poi	معد ال Add'i	Person:	Eugen	ie Pabl	Date:	3/	30/10
Project:	Campo	Wind Energ	y Project	Map #: _		,	Survey S	xn:	
GPS Unit :				le .	QCB Prot	ocoi Survey	#1	of	5
TIME (24		Temp (F°):	Wind (avg/max)	% CC			Sky		
START	17:32	670	9/1	0	Clea	patchy	overcast	drizzle	shower
	13.30	720	47	0	€Qea	r patchy	overcast	drizzle	shower
	4:30		7/1	0	Clea	patchy	overcast	drizzle	shower
	18,70	700	8/15	Q	clea	r patchy	overcast	drizzle	shower
	16:25	650	5/9		clea	r patchy	overcast	drizzle	shower
		5	М		clear	r patchy	overcast	drizzle	shower
END					clear	r patchy	overcast	drizzle	shower
Habitat On-	site (circle):	open soils,	hilltops ridges	s, rock outer	ops, soil cr	usts, clay so	oils old roads	various ne	ctar sources
		Butterfly	/ Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGO SPECIES LIST (NECTAR SOURCES, GEN	OS AND GPS POINTS/ ERAL WILDLIFE LIST)
		Baby Blues	
		Erodium	
	·	Mystad?	
		Manzanita	
		Call Bappy	•
		Municiakia	
		Capitaning	
		7/9	
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068205	T. ot	Black tailed Sack Raphot 10 Black-tailed	T 1 2 1 1
	3(7)	Diece faire	SCIE POUDIT
70			
		- Water	
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OTAL NUMB	ER OF QCB DETE	ECTED: Ø	INDIVIDUALS
	Р	age <u>2</u> of <u>2</u>	

Recorder:	μ.	Heath	Add'l	Person:	-ew13 (	Conmolle	1 Date:	3/30	/10
Project:	Cam	Heath po Wind Energ	y Project	Map #: _	8,7	1	<i>)</i> _Survey <sub>:</sub> S:	/ xn:	
GP\$ Unit :	_5				/ QCB Prot	ocol Survey#		of	5 .
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	10:30	63.5	4.5/7.2	10%	Clea	patchy	overcast	drizzle	shower
	12:30	(6.0	8.7/12.4	20%	clea		overcast	drizzle	shower
	14:30	64.7	15.9/19.6	10%	clea	r patchy	overcast	drizzle	shower
	16:00	60	15.0	10%	clea	patchy_	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
END	16 7	3	1.201		clea		overcast	drizzle	shower
Habitat On	-site (circ	le): open soils,	nilitops, ridges	s, rock outer	rops, soll cr	usts, clay solls	i, old roads,	, various ne	ctar sources
		Butterfly	/ Species				Taily		Total
Oruga	40-	Scare				MMMI	·		16
Parall	11	Q.	· '			This			1
<	M4-	5				IN THE I			12
Green	Nois	Ica le				MMMH		HH 1	37
Blue of		NT WY				1	is in 10 this	<u>                                  </u>	2
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Drsky	37/100					WE THE THE	11		ווי
white.				· · · · · · · · · · · · · · · · · · ·		111			3
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST
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		Baby blue eyes & - Means Howers
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		Fiddlineck A.
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		Gold Kells X
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MHHLOY		Hernel Lizard juvenile
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		Blue Lipio straly 1x
		Monda Mahigan
MHEP260	Excluded foly	Dese Chapana
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OTAL NUMB	ER OF QCB DET	ECTED: $\mathscr{O}$ INDIVIDUALS

Page 2\_of 2

Recorder:	Dale	Powe	_\\Add'l	Person:	Everne	Palelo	Date:	3/37	12000
Project:	Campo		y Project					10.51	
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC		Sware	Sky		
START	15130	ू (°	48	10	clea	The same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the sa	overcast	drizzle	shower
	(x):(c)	700	8/10	0	Clea	r patchy	overcast	drizzle	shower
*					clea	r patchy	overcast	drizzle	shower
	30.74.0.000.00				clear		overcast	drizzle	shower
				<u> </u>	clear		overcast	drizzle	shower
END					clear	0.000	overcast	drizzle	shower
END Habitat On	-site (circle):	open soils	hilltops, ridges	s reck outco	clear		overcast old roads	drizzle kvarious ne	shower
Tiabitat Off	· · · · · · · · · · · · · · · · · · ·	apon com,	milepo, nego	5, 1901 00101	open gon on	doto, olay dolla	, ela locaci	, (0.11000 110	ottai oodi ooo
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Project:	Campo	Wind Energ	y Project	Map#:_	16		_ Surve <b>y</b> Sx	kn:	<u> </u>
GPS Unit	<u> </u>	,		· ·	QCB Proto	ocol Survey #	<u> </u>	of	5 .
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	1040	6(, 4	5-8 494		clea	patchy	overcast	drizzle	shower
	1140	65	6-10	0%	clea	patchy	overcast	drizzle	shower
	1240	67	4-7		€ lea	· · · · · · · · · · · · · · · · · · ·	overcast	drizzle	shower
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END Habitat On	(@ (O	(apprisoile)	S-(0 hilltops/ridges	Arock outc	dear		overcast s old roads	drizzle	shower ectar sources
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
190		HOLA
		CORA
		Scia
		WEIL
		Oati
		Hofi
		Saph
		RTHa
		Lasp
		Anlau
		SOTO
		Wren
		NUWO
		BCSP
		Leap
		California pad borrae (likely)
		Side-blotch Lizard
		Granite sping Lizare
		W. Fence Travel
		Striped racer
		CA ground Squirel
		Cotton tail
SLHLOI	Pure Species	Coast horned 1, zard
BLHLOZ	11	Coast horned Lizard
3LPJOI	Pare plant	Payson's jewel flower Zindiv.
3LP102	14.	11 40 india
3LPJ03	*1	1 10 indiv
		Vector Sources: epolium, Sevecio Cal,
		Laythenia Cal, popisera flower Amsinteia
	4	semphila Beachura, corcocorpus, dejert darle
	ER OF QCB DETI	a DOPPY Carnissonia, Warranty
PLAL NUMB	ER OF QCB DET	ECTED:

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TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		· · · · · · · · · · · · · · · · · · ·
START	1000	68	S	Ø.	Clea	r) patchy	overcast	drizzle	shower
	1100	69	6	Ø	clea	patchy	overcast	drizzle	shower
	1280	72	7	6	clea	r) patchy	overcast	drizzle	shower
	1300	77	O	Ø	clea	patchy	overcast	drizzle	shower
	*				clea	r patchy	overcast	drizzle	shower
				-	clea		overcast	drizzle	shower
END		78	S	Ø	Clea		overcast	drizzle	shower
Habitat On	-site (circle)	open solls,	nilitops, (lidge	s trock outer	gps, soil cr	usts, clay so	oils, old foads	s, various ณ	ectar sources
			Species				Tally		Total
P. A.	Cmon								6
Α. \	Virgulti.								254
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIS
. 15	GPS: MATK!	Collensia
		coldfields
		Comptatle
		Composites
		Sugar bush Amsinekeas
		Musta 1
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Recorder:	DAULD	K. FAUIL	<u>k viser</u> Add'l		Luis Com	alex	Date:	_13 APR	NL ZO(0
			/ Project		17 (W)	4			
GPS Unit	9_			·	_ QCB Prot	ocol Survey #	# 7?	of	5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		· · · · · · · · · · · · · · · · · · ·
START	1100	पष्ट	3	Ø	clea	patchy	overcast	drizzle	shower
2	1200	55.0	ع	Ø	clea	patchy	overcast	drizzle	shower
	1300	58°	<u>a</u>	>5%	Cleá		overcast	drizzle	shower
	1400	ا با	33	25°/5	clea	patchy	overcast	drizzle	shower
	1500	55"	೭	> 10	clea	patchy	overcast	drizzle	shower
	-				clea		overcast	drizzle	shower
	1600		9	>10	Clear		overcast	drizzle	shower
Habitat On	-site (circle)	: open soils,	hilltops ridges	Stock onto	rops, son cr	usts, clay sol	s cold roads	y various €	ectar sources
		Butterfly	Species				Taily		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIS
F25	CAMPO-R	
		Crypton Tha Goldfields
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		Sugar Bush
		BASG Blue Eyes WAII flower Viola sp
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		Viola sp.
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Page #2 of #Z

Recorder:	Dalo	Parel	Add'l	Person:	Suringe	Mc Me	Date:	4/3	./10
Project:	Campo				_ ′		Survey:S	· ·	
GPS Unit :		3			QCB Prot	ocol Survey	#	of	5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	10:50	590	8 12	0	clea	r) patchy	overcast	drizzle	shower
	12:10	60°	10/17	2	ofea		overcast	drizzle	shower
	12:45	62°	715		clea		overcast	drizzle	shower
					clea		overcast	drizzle	shower
					clea		overcast overcast	drizzle drizzle	shower shower
END			· · ·		clear		overcast	drizzie	shower
	-site (circle):	open soils.	hilltops, ridges	saroek outc			oils, old roads,	Carlotte of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Contr	
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS SPECIES LIST (NECTAR SOURCES, GENER	AND GPS POINTS/ AL WILDLIFE LIST
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		Chris Dhues	
		Bold Cagle Security I	125
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		3 - 3	
TAL NUMBE	R OF QCB DET	FCTED:	VDIVIDUALS

Recorder:	DAVIC	) Fue	TUER Add'I	Person:	LQ	270		Date: _	4/2	10
Project:	Campo	Wind Energ	y Project	Map #: _	19			_ Survey Sx	n: <u>Cam</u>	po - 0
GPS Unit :	2		3 7 F	<u> </u>	QČB	Protoco	l Survey #	2	of	5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC				Sky		
START	1045	63	Ú-2	Co	• ′ (	clear	patchy	overcast	drizzle	shower
	1420	75	0-2			slear	patchy	overcast	drizzle	shower
			ر څهري کې	7.		clear	patchy	overcast	drizzie	shower
						clear	patchy	overcast	drizzle	shower
		a street of	n de la composition de			clear	patchy	overcast	drizzle	shower
		1.4.1				clear	patchy	overcast	drizzle	shower
END	16.35	ما ما	2-5	10-	I GW	lear	patchy	overcast	drizzle	shower
	-site (circle)	open soils,	hilltops, ridges	, rock outer	ops so	oil crusts	s, clay soils	s, old roads	various ne	ectar sources
	EST SELECT		1 34 h 34 h 34				. :		-	*
		Butterfly	y Species	4				Tally		Total
. [	Brambol	a hai	row	* **		ſ	X (X):	Tally	ه ۱۰ چاري ک	24
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
	(*)	Nomoph menz
		Cry Stantha int
		Amsinck menz
		Camissonia 3D.
		Planishotrys so.
		La Trania Cal
		annual lotus SP.
	Doint	Esch scholte in minut
DF462	Collingia heter	o ~ 20 plants, ~ 3 ft 2
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TOTAL NUMBER		TECTED: INDIVIDUALS
TOTAL NUM	BER OF QCB DE	IECTEDINDIVIDUALS

Page 2\_ of 2\_

Recorder:	Dak	Pacuel	Add'	l Person: ∑	Phillip (	or pre	Date:	41	2/16-7
Project:	Campo	Wind Energ	y Project	Map#:	10,1	5,16	_ Survey Sx	m:	
GPS Unit :		3			QCB Prote	ocol Survey #		of	5
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	1140	630	1/3	0	cléa		overcast	drizzle	shower
	13'00	64		0	çlea		overcast	drizzle	shower
	17,00	690	418	0	cléa	X	overcast	drizzle	shower
	15,00	450	- 4	1-0-	clea		overcast	drizzle	shower
	1600	\$90	58	0	clea		overcast overcast	drizzie drizzie	shower shower
END	T-	~ '	- 010	$+ \circ$	clear		overcast	drizzle	shower
	-site (circle):	open soils,	hilltops>ridge	s rock outc	40	usts? clay soil			
	•								
		Butterfly	Species			1,127	Tally		Total
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Can	use WI	ut							3
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIS
		Coupthantha-microtha
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		Mostard?
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,		Unknown composite
		Perperto
. '		Descurvania
		Caulen Thus
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		Plagia bethris Amonnakia
		Cranot hus
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· ·		DeckkoTomma
		Alabis
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SECOL		Cankouther similars for
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TAL NUMBI	ER OF QCB DETE	ECTED: INDIVIDUAL

Page Z of Z

Recorder: Gretchen Cummings Add'l Person: Josh Date: 4/2/10										
Project:	Campo	Wind Energ	y Project	Map #: _	19			_ Survey Sx	cn:P	
GPS Unit :		***************************************	· · · · · · · · · · · · · · · · · · ·		QCB Prot	ocol	Survey#	_2_	of	5 .
TIME (24-hour) Temp (F°): (avg/max) % CC								Sky		<del>*************************************</del>
START	1040	<i>u</i> (e	3.3/4.9		clea		patchy	overcast	drizzle	shower
	1930	68	3.815.4		clea	<u>D</u>	patchy	overcast	drizzle	shower
					clea	г	patchy	overcast	drizzle	shower
					clea	r	patchy	overcast	drizzle	shower
					clea	Г	patchy	overcast	drîzzle	shower
		. ~			clea	_	patchy	overcast	drizzle	shower
END	1945	<u>89</u>	3.8/5.4		clea		patchy	overcast	drizzle	shower
Habitat On	Habitat On-site (circle): open soils, hilltops ridges rock outcrops soil crusts, clay soils old roads various nectar sources									
		Butterfl	y Species					Tally		Total
Vanes	59 OW	cardui	(Painted	Lady)	\	U	HT 11			7
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			Acmon							1
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Colia	s harfor	d;;	(Harfor	d Sulah	· r \	1	•			1
			(Common			111	1			3
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
GC	Neotoma Upida nest	Desert Woodrat nest
GC	Neotoma Lepidanest	Desert Woodrat nest
GC	Neotome lepida nest	Desert Woodrat nest
		ANHU
		NOFL
·		TOVU
		SPTO
		WEST
		RSHA
		CAQU
		BGGN
		BUSH
		CATH
		Howr
		OATI
		ACWO
		CORA
		Sceloporus arcutti 11
		Uta stansburiona IIII
		Plagiobothys sp.
		Cryptantha sp.
		Lasthenia sp.
		Nemophila menzeisii
		Amsinckia menzeisii
		Pectoconya sp.
		Erodium cicuterium
		Lupinus bicolor

Page  $\frac{\partial}{\partial}$  of  $\frac{\partial}{\partial}$ 

Recorder:	Greta	hen Cum	mings Add'l	Person:	Josh			Date:	4/21	10
Project:	Campo	Wind Energ	y Project	Map #: _	90			Survey Sxn	<u> P</u>	
GPS Unit : QCB Protocol Survey # of								of	5 .	
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC		÷		Sky		
START	1245	48	3.815.4		Clea	$\subseteq$	patchy	overcast	drizzle	shower
					clea	r	patchy	overcast	drizzle	shower
				]	clea	r	patchy	overcast	drizzle	shower
					clea		patchy	overcast	drizzle	shower
					clea		patchy	overcast	drizzle	shower
	15116		. 10 2		clea	_	patchy	overcast	drizzle	
Hahitat On	Leite (circle)	Ca Copen soils	, hilltops, ridges	Frock outc	clea		patchy	overcast	drizzle	shower
Habitat Off	i-site (circle)	, open sons,	, Timtops, Mages	STOCK OUIC	ODS, SOII CI	นอเอ	, clay solis	Old Toads) V	anous nec	iai sources
		Butterfl	y Species					Tally		Total
Vones	isa card	vi (Paini	led Lady)			11				a
Callo	phrys a	ffinis	(Green )	Harrstrea	K)	111				4
						14	T 11			
Euchloe hyontis (Pearly Marble) 14111 Apademia mormo virgulti (Mormon Metal mark) LHT 141 LHT 1417 HTT									30	
Erynnis sp. (Duskywing) 11									a	
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	SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
	Sceloporus orcutti 1
	ANHU
	CORA
	BUSH
	OATI
	Uta stansburiana 1
	Thomomys botter holes
	Sylvilagus auduboni 11
	Plagiobothys sp.
	Cryptanthe sp.
	Lasthenia sp.
	Nemophila menzeisi:
	Amsinckia menzejsii
	Tonsy Mustard (Descuraia sp.)
	Pectocoge sp.
	Erodium cicutarium
	Lupinus bicolor
	Eschecholzia californica (California Poppy)
	Cream Cups
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Page  $\frac{\lambda}{2}$  of  $\frac{\lambda}{2}$ 

Recorder:	DAVIDE	. FAUIKILE	Add'l	Person:	Gospens Pat	olo	Date:	2 APR	1 1010
Project:	Campo	Wind Energy	Project	Map #: _	23	,	SurveySx	m: <u>@</u>	
GPS Unit :	8_		de de francisco de constante de		QCB Protoco	ol Survey#	2	of	5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	1600	670	9 mph	Ø	clear	patchy	overcast	drizzle	shower
2.5					clear	patchy	overcast	drizzle	shower
	and a second				clear	patchy	overcast	drizzle	shower
				er .	clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
	27				clear	patchy	overcast	drizzle	shower
END	1700	650	9 mph	Ø	clear	patchy	overcast	drizzle	shower
Habitat On	-site (circle)	: open soils, l	nilitops, ridges	, rock outer	ops, soil crusts	s, clay soils	, old roads,	various ne	ctar sources
LANCE OF THE PARTY					*				
	<u> </u>	Butterfly	Species				Tally		Total
Antho	hadis Sar	<u></u>						Enclosed the California California	2
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Vanes	SA CAR	<u> </u>				:	<u> </u>		
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MAP/GPS LABEL	POINT/POLYGON TYPE	SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST					
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		Bak Bleen					
· ·		Baby Blue eyes Amsuchia					
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Recorder:	aiva a	K. FAULK	CA_	Add'l	Person: _	-u gene	PAS	(B	Date:	2 APR	11 2010
Project:	Campo	Wind Energy	/ Project		Map #: _	22	Survey Sxn: CAMPA Q				0 8
GPS Unit :	_&					QCB Pro	tocol	Survey #	2	of	5
			Win	d	············						
	24-hour)	Temp (F°):	(avg/m		% CC				Sky		
START	1300	ଓର୍ଚ୍ଚ		لئنة	<i>\$</i>	Cle	•	patchy	overcast	drizzle	shower
	1400	690	<u> 4</u>	45	Ø	Cle	200	patchy	overcast	drizzle	shower
	1500		9	w w	<u>4</u> Ø	Cle		patchy	overcast	drizzle drizzle	shower
	1600	97°		اننا	φ	cle		patchy patchy	overcast overcast	drizzle	shower shower
						cie		patchy	overcast	drizzle	shower
END						cle		patchy	overcast	drizzle	shower
Habitat On-site (circle open soils hilltops (idges ock outcrops soil crusts, clay soils old roads various pectar sources											
		Butterfly	Specie	s					Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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		Cryptaft Poppies Liepines
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TOTAL NUMBER OF QCB DETECTED: Ø INDIVIDUALS

Recorder:	Recorder: DAVID K. FALVIKAGE Add'l Person: Eugene PANO Date: 2 APRIL 2010										
Project:	Campo	Wind Energy	y Project		_ Map #: _	26			Survey Sxn: (AMPO (D)		
GPS Unit	<u>&amp;</u>					QCB Proto	col	Survey#_	<u>کــــــــــــــــــــــــــــــــــــ</u>	of	<u>5</u> .
TIME (2	TIME (24-hour) Temp (F°): (avg/max) % CC								Sky		
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	1200	12	Ø		Ø	Clear	5_	patchy	overcast	drizzle	shower
	1300	68	5	ن	Ø	cléar	5_	patchy	overcast	drizzle	shower
						clear		patchy	overcast	drizzle	shower
						clear		patchy	overcast	drizzle	shower
END						clear		patchy	overcast	drizzle	shower
Habitat On	-site (circle)	open soils,	hilltops (i	dges,	ock outc	rops, soil cru	ısts,	, clay soils			ctar sources
		Butterfly	<b>Species</b>						Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST
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		Cryptantha Amstadia BAby blue eyes Basket Bush.
		Basket Bush
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OTAL NUM	BER OF QCB DET	TECTED: Ø INDIVIDUA

Recorder:_	Margie	Mullin	Add'l	Person:			Date:	4.6.21	010
Project:	Campo	ر Wind Energy	/ Project	Map #: _	4		Survey S	kn:	
	9								
TIME (2)	4-hour)	Temp (E°):	Wind (avg/max)	% CC			Sky		
	1250	₹ 2.000	3-6(9)	// 00	clea	patchy	overcast	drizzle	shower
	1340			A	æfea	***************************************	overcast	drizzle	shower
	1420	63	<u>5-නි</u> 5-හි	Ö	Clea	<u>*                                    </u>	overcast	drizzle	shower
					clea		overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
END					clea		overcast	drizzle	shower
labitat On-	site (circle)	open soils,	hilltops, ridges	s, rock outc	rops, soil cr	usts, clay soils	s, old roads	, various ne	ectar source
		Butterfly	Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
MMADOI	scusificulant pt	Astragalus douglasii var. perstactus
,		East side of Manzanita Rd & regetative
		plants in deep granitic soils. Edge of redshant
		mostly Artemsia tridentata septodentata
		Very disturbed and probably cleared to repair
	·	drainage pipe.
MMAD02	Sensitive plantpt	Astragalus douglasii var perstricks
	, ,	West gide of Manzanita Rd. 9 vegetative
		plants in deep granitie soils. considering
		in Enogonum fasc Querras Xacutidas, (eanothus
		leviodemis. Edge of our riparian. Distribud
		area by road. & Artemisia Indentate
		J .
·	Nector Somes:	Pectocaya sp.
		Coy o tantra 3 p
		Amsonkta menziesii
		Lastnewia (very little!) gracilis
		Nemophila menziesii
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TOTAL NUM	BER OF QCB DET	ECTED: INDIVIDUALS

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3420140 By 563710

Recorder:	Margi	e Mulls	gan Add'l	Person:			Date:	4.6.1	0
Project:	Campo	Wind Energy	/ Project	Map #: _	3	(2)			
GPS Unit	-				QCB Protoc	col Survey #	2	of	5
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky	id (r)	
START	000	<b>DA</b> 60	5-9	0	Clear	patchy	overcast	drizzle	shower
0990	1167	42	1-4(8)	O	clear	patchy	overcast	drizzle	shower
	1210	63	3-6	()	clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
	3				clear	patchy	overcast	drizzle	shower
	-				clear	patchy	overcast	drizzle	shower
END	in angles				clear	patchy	overcast	drizzle	shower
Habitat On	-site (circlę)	open soils,	hilltops, ridges	, rock outci	ops, soil crus			various ne	ectar sources
g. 10000000									
	70 0044.	Butterfly	Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
	Nector Source:	Lastnenia gracilis
	t -7 1	in Cryptanting micranting
		Donsinkia menziesii
		Nemophila menziesi;
·		Coreopsis californica
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TOTAL NUM	BER OF QCB DET	ECTED: O INDIVIDUALS

Page 1 of 2

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Recorder:	Marg	IC MU	liga Addi	Person:	0	·	Date:	<u>eg 1</u>	0 2010
Project:	Campo	Wind Energ	y Project	Map #: _	8		Survey S	xn:	
	:	1		······································	QCB Proto	ocol Survey	#_2	of	5
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	1400	63	4-8	0	clear	patchy	overcast	drizzle	shower
	1522	63	4-8	0	Clea	patchy	overcast	drizzle	shower
					clear	r patchy	overcast	drizzle	shower
					clear		overcast	drizzle	shower
					clear		overcast	drizzle	shower
					clear		overcast	drizzie	shower
END Habitat On	-site (circle)	Onen soils	hilitops, ridge:	s rock outc	clear	patchy	overcast	drizzle various n	shower ectar sources
Habitat Oil	-site (circle)	open sons,	milops, nage:	s, rock outo	opa, aon on	asis, ciay o	Jilo, Old 10ddo	, 10/10/00 11	
		Butterfly	y Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINT SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
	Noctar Sources	7
		Ceanotims geggl perplexans
		Crystanta micranta
		Andsigkia menzical
		Lasta nia gracilis
		3.72 3.74
MGJOI		Geraca Viscida. East side of Manzanita
	· · · · · · · · · · · · · · · · · · ·	Rd. 3 plants vegetative. Red Shank,
		Ceanothy 3 avega; 600 nerolevans Enimony
		Enscie Chamise Chamisa Champaral W
		Ceanothus greggissp. perplexans Eningonu. Fascic, Chamise Chamisa Chapparal W deep grantic soils. No impat but side
		road.
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Page 2 of 2

Recorder:	Sauce	K. FAUL	KNEY Add'I	Person:{	Eugene	Palolo	Date:	6 APRIL	2010
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GPS Unit :	_8		· · · · · · · · · · · · · · · · · · ·		_ QCB Proto	ocol Survey #	‡ <u> </u>	of	
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	1400	64	8 KE		clear	r) patchy	overcast	drizzle	shower
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END	1500	650	9 NE	<u> C</u>	clear		overcast	drizzle	shower
Habitat On	-site (circle)	): Open soils)	hilltops, ridges	i, rock outci	rops, soil cru	usts, clay soil	s, old roads	, various nec	ctar sources
		Butterfly	/ Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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		Mestard
		Amarickia
		Amswekia Bugar bush
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OTAL NUMBI	ER OF QCB DETE	ECTED: Ø INDIVIDUALS

Page <u>42</u> of <u>24</u>

			Sikoler Add'l							
Project:	Campo	Wind Energy	/ Project	Map #: _	23		•	Survey S	(П: <u>СА</u> м	bu 6
GPS Unit:	8				QCB Prote	ocol	Survey#_	2	of	5
TIME (24	f-hour)	Temp (F°):	Wind (avg/max)	% CC			nich Sansa	Sky		
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	1200	63	4	Ø	Clear	5	patchy	overcast	drizzle	shower
					clear	r	patchy	overcast	drizzle	shower
	7.70				clear		patchy	overcast	drizzle	shower
					clear		patchy	overcast	drizzle	shower
END	133 0	اعا	13	OS	Clear	5	patchy	overcast	drizzle	shower
Habitat On-	site (circle):	open soils,	hilltops ridges	Tock outc	rops soil cru	usts,	clay soils	old roads	various ne	ctar sources
		Butterfly	Species					Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIS
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Project:	Campo	Wind Energy	y Project	Map #: _	21	,	Survey S	(n: <u>CAM</u>	Po N.	-
GPS Unit	:8_		V-		_ QCB Protoco	ol Survey#		of	5 .	20
TIME (	24-hour)	Temp (F°):	Wind (avg/max)	% CC		N	Sky			
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					clear	patchy	overcast	drizzle	shower	
END	14.00		8	Ø	(clear)	patchy	overcast	drizzle	shower	
Habitat Or			nilitops (ridges	s) rock outc	rops) soil crust	s, clay soils	,old roads,	various ne	ectar sources	5)
		Butterfly	/ Species				Tally		Total	
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINT SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIS
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Recorder	DAVIC	K FAUIL	Add'l	Person:	Eugene PA	blo	Date:	6 APR	iL 2010
Project: _	Campo	Wind Energy	/ Project	Map #:	18	•	SurveyS	xn: <u>са</u> л	ope N
GP\$ Unit	:{	3			QCB Protoco	ol Survey#		of	5
TIME (	24-hour)	Temp (F°):	Wind (avg/max)	% cc			Sky		
START	1500	65	્	Ø	(clear)	patchy	overcast	drizzle	shower
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					clear	patchy	overcast	drizzle	shower
	500	3 3			clear	patchy	overcast	drizzle	shower
END	1600		8	d	Clear	patchy	overcast	drizzle	shower
Habitat Or	-site (circle	): open soils, I	hilltops, ridges	s, (ock outc	rops, soil crust	s, clay soil	s, Old roads	various n	ectar sources
		Butterfly	Species				Taily	7.00	Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINT SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)	S/ ST
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OTAL NOMB	ER OF QCB DETE	ECTED: Ø INDIVIDUAL	_{

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	Recorder: BRIAN LOHSTROH Add'l Person: David D. (Escert) Date: 4/6/10									
Project:	Campo	Wind Energ	gy Project							
GPS Unit :	10		MDH		QCB	Protocol	Survey#	2	of	5
TIME (2	24-hour)	Temp (F°):	MDH Wihd (avg/max)	% CC				Sky		
START	1000	60	5-8	Clearo	2/10	clear	patchy	overcast	drizzle	shower
	1100	60	10-14	(lear)		clear	patchy	overcast	drizzle	shower
	1200	61	4-9	Clear		clear	patchy	overcast	drizzle	shower
	1300	-	4-7	Gear		clear	patchy	overcast	drizzle	shower
	1400	61	8-12	Clear		clear	patchy	overcast	drizzle	shower
	1443	62	7-12	Clear		clear	patchy	overcast	drizzle	shower
END	5					clear	patchy	over <u>çast</u>	drizzle	shower
Habitat On-	-site (circle)	: open soils	hilltops, ridge	s, rock outcre	ops, sc	il crusts	, clay soils,	, old roads,	various ne	ctar sources
		Butterfl	y Species					Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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·.		Bush
BLCP02	Rare Plant	Campo Pea, (Lathras Splendan 5 individ
13LCP03	11	Campo Pla Individual
BLCP04	9	Campo Den Zindividuals
BLCPOI	4	Campo Pen, ind (previously mapped?) confirm
BLCPOT	, tı	Campo Pea Hindividudy
		Freumba milk retch? Not mapped, will be
		confirmed by botantists (S. meetry)

Page 2 of 2

Recorder:	Dowed	K. FAJIKA	<u>معر</u> Add'l	Person:	DANS HASON	1 GRIN	Date:	8 APR	2010
			/ Project						
GPS Unit	8			<u> </u>	QCB Proto	ocol Survey#	2_	of	5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	1500	78	2	\$	clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
			3		clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
END	1600	78	5	Æ	clear		overcast	drizzle	shower
Habitat On	-site (circle)	: open soils	hilltops ridges	s, rock outer	opa, soil cru	ists, clay soil	s, old roads	, various (ne	ectar sources
		Butterfly	Species				Taily		Total
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IAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST					
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Recorder:	Davids	K. FAUTHERLEY	Add'l F	Person: <u>۵</u> ۸	m huson	ERi	<u> </u>	Date:	gwr 20	(8)
Project: _	Camp	o Wind Energy	/ Project	_ Map #: _	18			Survey S	m: <u>camp</u>	<u> </u>
GPS Unit	:8_				QCB Prote	ocol	Survey #		of	5
TIME (	24-hour)	Temp (F°):	Wind (avg/max)	% cc				Sky		
START	0900	(00°	7 mph		Clea	Ó	patchy	overcast	drizzle	shower
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			10 B		clear		patchy	overcast	drizzle	shower
END			·		clear		patchy	overcast	drizzle	shower
Habitat On	-site (circle	e): open soils?	hilitops, ridges,	rock outcr	ops, soil cru	usts,	clay soils	s, old roads,	various ne	ctar sources
		Butterfly	Species					Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST					
8		Gadfields					
		Composites					
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TAL NUMBI	ER OF QCB DETE	ECTED: Ø INDIVIDUAL					

Recorder:	Dale	Powe		Person:	Eugene	Pablo	Date: _	4/8	110
Project:	Campo	Wind Energy	/ Project	Map #: _	16	H. Co-r	Survey Sxr	1:	<i>ii</i>
							2		
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	13:30	42°	2/5	0	Clea	r patchy	overcast	drizzle	shower
	141.35	75° 72°	0/0	0	e Ee	r patchy	overcast	drizzle	shower
	16:25	720	4/6	0	clea	patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
					clea		overcast	drizzle	shower
					clea		overcast	drizzle	shower
END	cito (cirolo):	apar colla	hilliann eldan	rook Autor	clea		overcast s, old roads, v	drizzle	shower
mabitat OII	-site (Circle).	open sons,	milopa, nuges	s, reck outc	TOUS, QUIT CI	usts, clay son	s, Ou Toaus, V	relious riec	tal sourges
		Butterfly	Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINT SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		Amsinckia
		Mustard?
		Erodium
		Lesthania
	***	Layia
		Nemo phylia
		Phacelia 2species
-	:	Phacetia Descres
		Arabis
		Suypthantha
		Salvia columbarios
		60p1005
		Eschscholzia
		Plagiabanhors
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OPEPOI	Excluded Polypon	. Sage, Oak,
DEFLOT	11	()
OPIPOI	Induded Polygon	Hos native VigetaTing included
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Page <u>2</u> of <u>2</u>

# Quino Checkerspot Butterfly Protocol Survey

Field Data Sheet									
Recorder:_	Dale Egman	Powell	Add'I	Person:	EUSENA	Pablo Com	Date: ِ	4/8/1	0
Project:	-Manzar	ita Wind Ene	ergy Project	Мар	#: <u>15</u>	K	Survey	Sxn:	
GPS Unit:		10			_ QCB Proto	col Survey#	2	of	5 .
TIME (24	I-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	9:45	630	5/7	0	Clear	patchy	overcast	drizzle	shower
*	9:55	670	10/13	G	<u>Elea</u> r	patchy	overcast	drizzle	shower
	11:30	710	3/7	0	<del>dea</del>	patchy	overcast	drizzle	shower
	12:40	718	6 19	0	Giêd r	patchy	overcast	drizzle	shower
	13:10	74°	5/9	0	GEA	patchy	overcast	drizzle	shower
	98				clear	patchy	overcast	drizzle	shower
END	× 12				clear	patchy	overcast	drizzle	shower
Habitat On-	site (circle)	open soils,	hillfops,⊲id <del>ge</del> s	s, rock <del>oût</del> e	rops, ş <del>oit eru</del>	sts, clay soil	s, old roads,	various nec	tar sources
X		Butterfly	Species	****			Tally	7.000 St. 15.7 St. 10.00	Total
Sav	a's Ou	ouge Tip		-		WT HE HE HE HE HE			31
						$\mu$ 1	18	*	3
Pe	Perplexing Hairstreak Wi Hi Hi HI HI								25

Butterfly Species	Tally	Total
Squa's Ovange Typ	भा भा भा भा भा भा ।	31
Chakadom Perplexing Hairstreak	11	3
Perplexing Hairstreak	WI HI HI HI HI	25
Marble	M Mi	9
Marble White?	Mi Hi	41
Benys Metal mack	· HT HT 14	13
Southern Alve	भित्र भारा भारत भारत ।	26
Southern Blue Blue? Lady?	LHT LHT 1111	14
Lady?	LHT.	5
Painted Lady	il .	2
Disky-Wing	1	2_
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		Amsunctia
		Lugino
		Erodium
	·	Eschscholina
		Cuyptontha
		CaapaThus
		Loyiq MoRod?
		DichlesTema
		Phacalia 2 species
		Mimolos
		Salvia columbáriou
	***************************************	Lasthonia
		Nemajohilia
DPC501		Caulanthus simiolars
		Arabis
		Pen of amin
		Moniquita
		Plazio boshrus
		-
	BER OF QCB DET	ECTED: (^) INDIVIDUAL:

Page 2 of 2

Recorder: DAUE FLIETUER Add'l Person: Louis Date: 4/8//8								<u>ත</u>	
Project:	Campo	Wind Energ	y Project	Map#:	4/12 (	(amps &	)Survey Sx	(n:	
GPS Unit				· · · · · · · · · · · · · · · · · · ·	QCB Proto	col Survey#	2	of	<u> </u>
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	0,900	57	3-6	0	clear	patchy	overcast	drizzle	shower
SMARY	0930		3-4		clear	patchy	overcast	drizzle	shower
		*		ļ	clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
				<u> </u>	elear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
END	16 20	70	0-2	0	clear		overcast	drizzle	shower
Habitat On	-site (circle)	open soils,	hilltops, ridges	s, rock outc	rops, soil crus	sts, clay soils	s, old roads,	various ne	ectar sources
		Butterfly	y Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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Page <u>2</u> of <u>2</u>

Recorder:	DAVIG	FLIE	TNERLADOI	Person: 🗲	J 415	BERGH	AW Date:	4/9/	10
Project:	Campo	Wind Energ	y Project	_ Map #: <u></u>	anyo	R-25	Survey S	xn:	
GPS Unit	8_				QCB Pro	tocol Survey	#	of	5
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky	-	
START	1050	69	0	0	clea	ar) patchy	overcast	drizzle	shower
END		子3 子4	0	<u> </u>	clea	patchy	overcast	drizzle	shower
START	1430	74	23-		clea		overcast	drizzle	shower
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					clea		overcast	drizzle	shower
END	15 50	, 17	~2 _1	(23	clea			drizzle	shower
END Habitat On	-site (circle):	73	ا م د د hilltops, ridges	rock outer	clea	r ) patchy	overcast	drizzle	-shower
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		Butterfly	/ Species				Tally	***	Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST
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Recorder:	Mike	COUFFER	Add'	Person:			Date:	9 APRIL	,2010
Project:	Campo	Wind Energ	y Project	Map #: _	(6	18	_ Survey S	хп: <u>САМ</u> (	20 H
GPS Unit :		_5_		:	QCB Proto	col Survey#	1	2of	5
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% cc			Sky		
START	1430	74	3->5	CLEAR	clear	patchy	overcast	drizzle	shower
	1500	73	1->4	CLEAR	clear	patchy	overcast	drizzle	shower
10	1600	72	1->6	CLEAR	clear	patchy	overcast	drizzle	shower
		•			clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
			· · · · · · · · · · · · · · · · · · ·		clear	patchy	overcast	drizzle	shower
END					clear	patchy	overcast	drizzle	shower
Habitat On-	site (circle)	open sols	hilltops, ridge:	rock outcre	ps; soil cru	sts, clay soils	s, old roads	various ne	ctar sources)
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167 (2.22)		Butterfly	Species			- 1	Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINT SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIS
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Recorder	Mike Co	UFFER	Add'	Person:	ي _		Date:	9 APRIL	,2010
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GPS Unit :		5			QCB Prot	tocol Surv	/ey# <u>\$</u>	<u>2</u> of	5 .
			Wind		I				
	24-hour)	Temp (F°):	(avg/max)	% CC			Sky		· · · · · · · · · · · · · · · · · · ·
START	0930	67	8-72	CLEAR	clea			drizzle	shower
	1000	구식	0-74	CLEAR	clea	X)		drizzle	shower
	1100	72	Ø->5	CLEAR	clea	~		drizzie	shower
	1300	76 77	1-74	CLEAR	clea	4		drizzle	shower
	1400	7.3	3-77	CLEAR	clea		hy overcast hy overcast	drizzle drizzle	shower shower
END	1 100		3 . 1	CCC172	clea			drizzle	shower
Habitat On	-site (circle)	open soils	hilltogs, ridge	s, rock outer	ops, soil cr	usts, clay	soils old roads	various ne	ctar sources
<u></u>									
		Butterfly	/ Species				Tally	***	Total
CALIFOR	ENIA MA	RBLE				TAL	Y IN FLEW NO	TEB OOK	52
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REHO	& METO	NIMARE	)				V)	- Article -	97
5000	ORANGE						1		2
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINT SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LI
MCHLOI	POINT	JUYENILE HOLNED LIARD
MCHL02	POINT	ADULT HORNED LIZARD
Mccool	POINT	HOSTPLANT LOCATION.
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Page <u>2</u> of <u>2</u>

Quino Checkerspot Butterfly Protocol Survey Field Data Sheet									
Recorder:	Recorder: BRIAN LottsTROH Add'l Person: S. Innecken, Misty Date: 4/13/10								
Project:	Campo	Wind Energy	y Project	_ Map #: _	16,17,	19	_ Survey Sx	on:	
GPS Unit :	GPS Unit:QCB Protocol Survey # of							<u>5</u> .	
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky	g) 16	
START	1040	62	2-5	0	clear	) patchy	overcast	drizzle	shower
	1200	67	2-3	Q	cléar	patchy	overcast	drizzle	shower
	1300	64	0-3		<u>clear</u>	patchy	overcast	drizzle	shower
	1430	66	0-6	0	<u>Clear</u>	patchy	overcast	drizzle	shower
	1510	62	3-8	<u> 30</u>	clear	palchy	overcast	drizzle	shower
	1640	59	3-8	30	clear	patchy	overcast	drizzle	shower
END Habitat On	-site (circle)	onen soils	hilltons ridges	rock outc	clear	patchy sts_clay_soi	overcast ls_old_roads	various nec	shower
Habitat On-site (circle): open soils, hilltops, ridges, rock outcrops, soil crusts, clay soils, old roads, various nectar sources							9)		
		Butterfly	/ Species				Tally		Total
		COW	mon whi	fe	5				2
			Coast 1	203		11			2
	6	Dev-Alox	ing Hair.	Sireal	-	HLHI HUII			17
	1	Acmon				11		\$ 1	2
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Painted Lady						17/1	11)	£.	0
Southern Blue							111		1
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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		WREN
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		Amer
		ORJU
		346R
		ATFL
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		(36GN
		HOWR
		RTHA
		REWR
		NOHA
BLGVOI		Gerea Viscida x 10 indiv.
BLCP01		Lathypus Splenders X 2
BLDBOZ	-	Linanthus Gellus X 10
BL PJOI		Caulanthus Simulans & 100
BLDB03		Linanthus bellus x 30
BLDBOH		1. bellus x 100s
BLDB05		L-bellus x 10s
BLD806		L. bellue x 1000
BLWHOI		Northern harner &
BLP302		Carlanth's Simulans X 30
		<u> </u>
OTAL NUME	BER OF QCB DET	TECTED: $ extstyle \mathcal{Q}$ INDIVIDUAL
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		Page $2$ of $2$

Recorder: Dale Powell Add'l Perso	n: O draken	Mach	Date: _	4/13	10
Project: Campo Wind Energy Project Ma	ıp#: <del>9</del>	Compo	Survey Sx	: :n:	
GPS Unit :	QCB Proto	ocol Survey#_	2	of	5 .
	cc		Sky		
START 13.30 620 214 2	Clear	<i></i>	overcast	drizzle	shower
	50 Clear		overcast	drizzie	shower
S: 50 S8° 1/3 9	වර Glear	patchy	overcast	drizzle	shower
	clear		overcast	drizzle	shower
	clear		overcast	drizzle	shower
15.30	clear		overcast	drizzle	shower
Lightet On cita (circle): and colla killing ridges red	clear		overcast		shower
Habitat On-site (circle): open soils, hilltons, ridges, rock	outcleps, solicit	isis, clay solis	, colu roaus,	various nec	iai sources
Butterfly Species			Tally		Total
		ift HT	14 HT	art wi	20
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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		Layla
		Lupinos
		Arabis
		Cricquarid
OTAL NUMB	ER OF QCB DET	ECTED:O INDIVIDUALS

Page  $\frac{\lambda}{2}$  of  $\frac{\lambda}{2}$ 

#### Quino Checkerspot Butterfly Habitat Assessment Field Data Sheet

Recorder: Dal	e Famel Add'II	Person: Darlane Mack Date: 4/3/10
Project: Campo	Wind Energy Project	Map #: GPS Unit :
START Time: 10 /34	7 Temperature:	Wind Speed (mph)/Direction: %Cloud Cover: 15%
	f <sup>a</sup> h	Wind Speed (mph)/Direction: 2/4 — %Cloud Cover: 30%
MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS/GENERAL SPECIES LIST
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		Blue IIII
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#### Quino Checkerspot Butterfly Habitat Assessment Field Data Sheet

MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS/GENERAL SPECIES LIST
	}	Manzanita
		Carnethus
		Eredeum
		Newsphilia
		(rypthantha
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Recorder:_	Wike (	COUFFER	Add'l	Person:		<u>}</u>		Date:	13 AP	2010 RIL 2010
Project:	Campo	Wind Energ	y Project	Map #:_	TILE 5	5_	•	Survey S>	on: <u>CAM</u>	PO "C"
GPS Unit:	GAR	MIN Z								5
TIME (2		Temp (F°):	Wind	% CC	T				1	· · · · · · · · · · · · · · · · · · ·
START	1000	58	(avg/max) Ø->3 m/H	CLEAR.	Clea		patchy	Sky overcast	drizzle	shower
317.1.	1100	58	Ø->3	CLEAR	clea		patchy	overcast	drizzle	shower
	1200	56	ダシス	CLEAR	clea		patchy	overcast	drizzie	shower
	1300	65	Ø->	CLEAR	ciea		patchy	overcast	drizzle	shower
	1400	67	トラス	CLEAR	clea		patchy	overcast	drizzle	shower
	1500	66	Ø->3	CLEAR	Clea		patchy	overcast	drizzle	shower
END	1600	63_	1->5	CLEAR	clea		patchy	overcast	drizzle	shower
Habitat On-	site (circle)		hilltopsTridges							
	-	Butterfly	y Species	<u>.</u>		ļ .		Tally		Total
REHDS	Mena	MARK					N FIEIC	NOTER	אחוב ל	34
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CHUFO	COLPII	MARBLE	<u>      Ω                              </u>			-	•			
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST
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Recorder:	PAIL !	aloste.	Add'l	Person: 60	orbin	A	Date:	4/14	110
Project:	CAMI	ි #ta Wind En	ergy Project	Map #:	g		Surve	v Sxn· F	-
GPS Unit									5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		-
START	0930	105	3x-7m	5	clea	patchy	overcast	drizzle	shower
1-01-01	130	70	3A-6m	75	clea	r patchy	overcas?	drizzle	shower
Left Ridge	230	67	4A 8M	90	clea	r patchy	overcast)	drizzle	shower
					clea		overcast	drizzle	shower
<u> </u>					clea	<del> </del>	overcast	drizzle	shower
END	300	lolo	YABM	20	clea		overcast	drizzle	shower
Habitat Or		r open soils	hilltops, ridges	rock outcro	clea		overcast	drizzle various n	shower
Tiabliat Of		, open sone,	Timtopo, Tages	, rook outoro	55, 50n or	aoto, ciay oc	ns, old roads	, vanous n	cctar sources
		Butterfl	y Species	-			Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
ELA QCB01	Point	QUB SILITING BUT NO Pics - recommend revisit
		Soon For conframation.
		Lastheria California
		Erodium SP.
		Plagobothys st.
		Cennothus SP.
		Lupinus sti
	POTONIA .	Mimulus Brennes
	Trouble Control	Layin Glandulosa
		Amsinkia menzielil
	14.	Eschol Zta California
	<u> </u>	Camonisonia st.
		Trogopogon polsiblius
		ANSOCOMO ACONIS
		Arabic Sc.
		Baby Blue eyes.
	· · · · · · · · · · · · · · · · · · ·	Baby Blue eyes. Solanum zarryií
		Sanicola argeta
		Chia
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TOTAL NUMBER OF QCB DETECTED: \_\_\_\_\_ INDIVIDUALS

Page 2 of 2\_\_\_

Recorder:_	Gretch	nen Cum	mingsAddil	Person:	Gene		Date: _	4/14/	10
Project:	Campo	Wind Energ	y Project	Map #: _	19		Survey Sx	n: <u> </u>	>
GPS Unit :	c	2			QCB Proto	ocol Survey	#	of	5
TIME (2	4 hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
	0945		(avg/max)	20%	clear	r (patchy	overcast	drizzle	shower
1125			3.2/3.8	25%			overcast	drizzle	shower
MBANDA			MERCHAN		clear	r dalam	overcast	drizzle	shower
		, in the second			clear	patchy	overcast	drizzie	shower
			-		clear	patchy	overcast	drizzle	shower
			<u> </u>	ļ	clear		overcast	drizzle	shower
END	1345	70.0°F	2.613.9	40%	clear		overcast	drizzle	shower
Habitat On	-site (circle):	: open soils)	hilltops, ridges	s rock outer	ops, soil cri	usts, clay so	oils, (oid roads)	various ne	ectar sources
		Butterfly	y Species				Tally		Total
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Maplopsia	bel) Point/PolyponType	1 Comments   Species List
		Plasiabothys sp.
		Spottled Towner
		Cryptontha sp.
		California Thrasher
		Descurainte sp.
		Anna's Humming bird
GCHLOI	Sensitive species Homed Lizard	Horned Lizerd
		Lupmus sp
		Lasthenia californica
		Arabis
		American Robin
		Red-tailed Howx
<b>*</b>		Black-chroned Sperrow
		Lopinus bicolor
		Kalifornia Poppy
		Northern Flicker
		Amsinckia menzeisii
		Western Sunb Jay
		Nemophila menzeisii
		Boshtit
		Gilia sp.
<		Black-throated Grey warbler
		Oak Titmouse
		White-crowned Spanow
Total	# of QCB	Detected O Individuals

Page 2 of 2

_			Monday Add'l					Date: _		
Project:	Campo	Wind Energ	y Project	Map #: _	[]			Survey <sub>:</sub> Sx	(n:	
					QCB Prot	oco	ol Survey#_	<u>a</u>	of	5
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC		'		Sky		
START	1420	77°F	2.6/6.2	70%	clea	г ,	patchy	overcast	drizzle	shower
	1600	74%	0.8/1.9	50%	clea	r	patchy	overcast	drizzle	shower
				aldar	clea	r.	patchy	overcast	drizzle	shower
					clea	r	patchy	overcast	drizzle	shower
					clea	r	patchy	overcast	drizzle	shower
					clea	r	patchy	overcast	drizzle	shower
END	1045	690F	1.3/2.1	70%	clea	r	patchy	overcast	drizzle	shower
Habitat On	-site (circle)	open soils	hilltops, ridges	rock outcr	ops soil cr	ust	s, clay soils,	old roads	various ne	ctar sources
		Butterfly	/ Species	· · · · · · · · · · · · · · · · · · ·				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)  Amsnikia menziesii					
		Spotted Townee					
		Cryptontha sp.					
		Plagiobothnys					
		Lupinus bicolor					
		Lastheria californica					
		Descurante sp.					
GCLAOI	Sensitue Spices	heard Horned Lark					
		California Thrasher					
		Lark Sparrow					
44-24		Annàs Hummingbird					
		cf. Ericanuria pinifolia					
, <u>.</u>		Arabis					
		Phreelia Spi					
		Trichostemma sp.					
	-						
,							
OTAL NUMBI	ER OF QCB DETE	CTED: O INDIVIDUALS					

Page 3 of 3

Recorder: Dalt Pous! Add'l Person: May #: Survey Sxn:  GPS Unit: 5 + May gie Y Person: May #: Survey Sxn:  TIME (24-hour) Temp (F): (avg/max) % CC Glear patchy overcast drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower drizzle shower dr							しい	15 COMO	l	
Project: Campo Wind Energy Project Map #: Survey Sxn:  GPS Unit: 5+ May gie 7 Persinal QCB Protocol Survey # of £ 5  TIME (24-hour) Temp (F°): (avg/max) % CC Sky  START 100 Giear patchy overcast drizzle shower clear patchy overcast d	Recorder:	Dale	Pous	           	Person: Ma	Wie Mul	15 du	Date:	4/	14/10
GPS Unit: 5 + Movigies Persinal QCB Protocol Survey# of 5.  TIME (24-hour) Temp (F°): (avg/max) % CC Sky  START 100 Gear patchy overcast drizzle shower clear p	Project:	Campo	Wind Energy	y Project	Map #:	5_		_ Survey Sx	(n:	
TIME (24-hour) Temp (F°): (avg/max) % CC  START 1010 630 C Clear patchy overcast drizzle shower    205 640 C Clear patchy overcast drizzle shower   205 640 C Clear patchy overcast drizzle shower   206 C Clear patchy overcast drizzle shower   206 C Clear patchy overcast drizzle shower   206 C Clear patchy overcast drizzle shower   206 C Clear patchy overcast drizzle shower   206 C Clear patchy overcast drizzle shower   206 C CLEAR PATCHY OVERCAST DRIZZLE SHOWER   206 CLEAR PATCHY OVERCAST DRIZZLE SHOWER   206 CLEAR PATCHY OVERCAST DRIZZLE SHOWER   207 CLEAR PATCHY OVERCAST DRIZZLE SHOWER   207 CLEAR PATCHY OVERCAST DRIZZLE SHOWER   208 CLEAR PATCHY OVERCAST DRIZZLE SHOWER   208 CLEAR PATCHY OVERCAST DRIZZLE SHOWER   208 CLEAR PATCHY OVERCAST DRIZZLE SHOWER   208 CLEAR PATCHY OVERCAST DRIZZLE SHOWER   208 CLEAR PATCHY OVERCAST DRIZZLE SHOWER   208 CLEAR PATCHY OVERCAST DRIZZLE SHOWER   208 CLEAR PATCHY OVERCAST DRIZZLE SHOWER   208 CLEAR PATCHY OVERCAST DRIZZLE SHOWER   208 CLEAR PATCHY OVERCAST DRIZZLE SHOWER   208 CLEAR PATCHY OVERCAST DRIZZLE SHOWER   208 CLEAR PATCHY OVERCAST DRIZZLE SHOWER   208 CLEAR PATCHY OVERCAST DRIZZLE SHOWER   208 CLEAR PATCHY OVERCAST DRIZZLE SHOWER   208 CLEAR PATCHY OVERCAST DRIZZLE SHOWER   208 CLEAR PATCHY OVERCAST DRIZZLE SHOWER   208 CLEAR PATCHY OVERCAST DRIZZLE SHOWER   208 CLEAR PATCHY OVERCAST DRIZZLE SHOWER   208 CLEAR PATCHY OVERCAST DRIZZLE SHOWER   208 CLEAR PATCHY OVERCAST DRIZZLE SHOWER   208 CLEAR PATCHY OVERCAST DRIZZLE SHOWER   208 CLEAR PATCHY OVERCAST DRIZZLE SHOWER   208 CLEAR PATCHY OVERCAST DRIZZLE SHOWER   208 CLEAR PATCHY OVERCAST DRIZZLE SHOWER   208 CLEAR PATCHY OVERCAST DRIZZLE SHOWER   208 CLEAR PATCHY OVERCAST DRIZZLE SHOWER   208 CLEAR PATCHY OVERCAST DRIZZLE SHOWER   208 CLEAR PATCHY OVERCAST DRIZZLE   208 CLEAR PATCHY OVERCAST DRIZZLE   208 CLEAR PATCHY OVERCAST DRIZZLE   208 CLEAR PATCHY OVERCAST DRIZZLE   208 CLEAR PATCHY OVERCAST DRIZZLE   208 CLEAR PATCHY OVERCAST DRIZZLE   208 CLEAR PATCHY OVERCAST DRIZZLE   208 CLEAR PATCHY OVERCAST DRIZZLE   2				t Margie	s Personal	QCB Protoco	l Survey #	£	of <u>4</u>	
START 1015 630 000 clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle shower clear patchy overcast drizzle										
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Clear patchy overcast drizzle shower				-			-			
Clear patchy overcast drizzle shower  END  Clear patchy overcast drizzle shower  Habitat On-site (circle): Open soils hilltops, ridges, rock outcrops, soil crusts, clay soils, old roads various nectar sources  Butterfly Species  Tally  Total  Acmon Blue  Behis MeTelmock  Perplexing that 3Treaks  Southern Marble  Rice 2	·					***************************************				
END  Clear patchy overcast drizzle shower  Habitat On-site (circle): open soils hilltops, ridges, rock outcrops, soil crusts, clay soils, old roads, various nectar sources  Butterfly Species  Tally  Total  Across MeTalmock  Per plexing HairsTreaks  Southern Marble  Blie?										
Habitat On-site (circle): open soils hilltops, ridges, rock outcrops, soil crusts, clay soils, old roads, various nectar sources  Butterfly Species  Tally  Total  Acmon Blue Behis MeTalmack  Hill Hill  Per plexing Haistreakt  Southern Marble  Blue 2	END						<del></del>			· · · · · · · · · · · · · · · · · · ·
Acmon Blue Behis MeTalmock  Lady?  Perplexing Hairstreakt  Southern Marble  Blue 2		-site (circle)	open soils	hilitops, ridge:	s, rock outcrop					
Acmon Blue Behis MeTalmock  Lady?  Perplexing Hairstreakt  Southern Marble  Blue 2		`	-				-	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	The Ballon Dellarge, Sans works	
Behrs MeTalmack HTT +HIIII #14  Lady? Perplexing Harstreaks  Southern Marble  Blis?		~ ~		Species				Tally		Total
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Southern Marble	Pe	مندحان	Houst	o KT						2_
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST					
	Nectur Sources;	Ceanothus levcodermis					
		C. greggi var. perplexans					
		Amsinkia menziesij					
		Beholtzin alifornia					
		Lipinus concinnus					
		Brodium cicutarium					
		Cyphintia micranting					
		C. JAMOSHA MICHANINA					
	4.						
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Page 2 of 2

Quino Checkerspot Butterfly Protocol Survey

	Field Da	ata Sheet	Î ma	s Connelly	,	
Recorder: Dale Pawell Add'l Pe			Muligan	Date: _	4/14,	40
Project: Campo Wind Energy Project	Map #: _	7-7	<u> </u>	Survey Sxr	ı:	
GPS Unit: 5+ Margie's persona	7]	QCB Prot	ocol Survey#		of	<u>   5                                 </u>
TIME (24-hour) Temp (F°): (avg/max)	% CC			Sky		
START 13:00 720 1/3	<u> </u>	clea	patchy	overcast	drizzle	shower
15:50 620 7/10	75 -	clea	r patchy	overcast	drizzle	shower
6:45 700 3/5	20	cuس/) <sub>clea</sub>	r patchy	overcast	drizzle	shower
		clea	r patchy	overcast	drizzle	shower
		clear	r patchy	overcast	drizzle	shower
		clear	r patchy	overcast	drizzle	shower
END		clear		overcast	drizzle	shower
Habitat On-site (circle): open soils hilltops, ridges	OCK OUTCI	ops/squ cn	usts, clay sons	, old roads, v	/anous nec	ctar sources
Butterfly Species		- : .		Tally		Total
		(:		出一种品		58
Behrs McTalmark		(HtT				2)
Mar Me				H+ 11-1	İ	
Sors Orange Tip			171	·		3
Usky wing			H+ 11	11		19
Pale 5 Jallow tail			11.			2
Spring White			11			2
Perplexing Hairstreak						
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
	Nectar Sources!	My Lasthenia gracilis Carlanthus sim
		Phacelia parryi
		Lupihus bicolor
		L. Concinnus
		L. truncals
		Cryptantrasp.
		Ceanothus leucodermis
		Layia glandulosa
		Escheltzia californica
MMCSOI	sensitive plant pt	Carlanturs Simulas 5
MM CSO2	11	
MMC503		flowering along ridge 1000s of them
MMCSOY	11	flowering a long ridge 1000s of them and some friting
MMC505	((	
MMCSOG	11	
MMCSOT	11	
MM CSOB		
MMGVOI	11	Geraea viscida - I veretative plant
¥ .		Geraea viscida - I vegetative plant in a drainage of ridge
DEEGOI	Excluded Polyon	Not closed Closed concey chapacral

Page 2 of 2

**Quino Checkerspot Butterfly Protocol Survey** Luis Counally Field Data Sheet Recorder: Dale Powell Add'l Person: Margie Mulligan Date: 4/14/10 Project: Campo Wind Energy Project Map #: 12 - C Survey Sxn: 5 + Margle 's Personal QCB Protocol Survey # 2 of 5. Wind Temp (F°): % CC Sky TIME (24-hour) (avg/max) 9.43 clear patchy overcast drizz!e shower 10:05 clear patchy overcast drizzle shower drizzle shower patchy overcast clear clear patchy overcast drizzle shower drizzle shower clear patchy overcast drizzle patchy overcast shower clear clear patchy overcast drizzle shower. Habitat On-site (circle): open soits, hilltops, ridges, rock outcrops, soil crusts, clay soils, otd-roads, various nectar sources **Tally Butterfly Species** Total

MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)					
	Nector Source;	Lupinus concinnus					
		Cryptuntug micrantug					
		Lastnenia gracilis					
		Cercocarpus bebloides					
		Malacotun & Californica					
		Behoffzin californicy					
		Amsinkia menziesij					
	· · · · · · · · · · · · · · · · · · ·	Prodium acutanum					
		El Ollio 10. Ol Ol Ju. 10111					
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OTAL NUMBI	ER OF QCB DETE	CTED: INDIVIDUALS					

Page 2 of 2

Recorder: Dele Powell Add'l Person: Lui	is Councily Date: 4/15/10	_
Project: Campo Wind Energy Project Map #: 1	6 - Land H Survey Sxn: 2	
GPS Unit : QC	B Protocol Survey # 2 of 5	÷
T!ME (24-hour) Temp (F°): (avg/max) % CC	Sky  Gear patchy overcast drizzle shower	
1015 662 11/14 0	(clear) patchy overcast drizzle shower	
410 720 417 0	clear patchy overcast drizzle shower patchy overcast drizzle shower	
	clear patchy overcast drizzle shower	- \$
END	clear patchy overcast drizzle shower	
Habitat On-site (circle): open-soils, billtops ridges rock outcrops,	soil crusts clay soils, old reads, various nectar source	S
Butterfly Species	Tally Total	
Behr's Meralmark It HIT HIT HIT	THE HIT HIT HIT HIT 65	
White?	THE THE THE THE THE THE THE	
Marble	447 5	
Saras Crangetip	MI (	
Deskywings		
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Between 9-10 me butterflies wither the weather conditions were	eve abjetued even though	
the weather conditions were	adequato.	$\dashv$

MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		Lasthenia
		Erodium
		Manzanita
		Eschscholzia
		Descuranta
		Cryptantha
		(a pas thus
		Lou punus
· · ·		tey stemon
		Pho celia
		Arelia
		Solved chembour
		Deallostenna
		V. do
		Amsinda
		Manage
		- Stillian V
13 11100	V = 7	Nousphilia
DY HLOI	Yeins	Son Diego Horned Lizard
DY 001	•	lanthus MMMMM Sumulans
MEPO1	Excluded Polygon	Closed Canopy (Noparra)
DPIPO2	it in	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon
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TOTAL NUM	BER OF QCB DE	FECTED: INDIVIDUALS

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Recorder:	DAVEDE	C. FANKLOS	Add'l	Person:	R. Como	ily	Date:	15 Apr	211 2010
Project:	Campo		/ Project						
GPS Unit :	3				QCB Proto	ocol Survey#	2?	of	5
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	ರೀಣ	64	6	Ø	clear	patchy	overcast	drizzle	shower
	(202)	67	3	Ø	clear		overcast	drizzle	shower
	1100	64	9	Ø	clear		overcast	drizzle	shower
	<u> </u>				clear		overcast	drizzle	shower
-					clear		overcast	drizzle	shower
					clear	·	overcast	drizzle	shower
END					clear		overcast	drizzle	shower
	-site (circle):	open soils, I	hilltops ridges	crock outc				, various हर	ctar sources
	· .								
· · · · · · · · · · · · · · · · · · ·		Butterfly	Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST					
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		Goldfields Sugar bush Cryptathe Cenuthers					
		deadh sast					
,		coupt the					
		Cenusthers					
		-					

Recorder	Mike	Couff	ER Add'I	Person:		7	Date:	15 APR	JL, 2010
Project:	Campo	Wind Energ	y Project	Map #: _	TILE	14	_ Survey Sx	on: CAM	100-K
GPS Unit :	_	zmin		f y sign		ocol Survey#	A	of	5 .
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky	- · · · · · · · · · · · · · · · · · · ·	
START	0900	67	1->5 mpH	CLEAR	Cléa	patchy	overcast	drizzle	shower
	1000	68	1->8mp4	CLEAR	clea	patchy	overcast	drizzle	shower
	1100	71	HOMECOR	CLEAR	clea	patchy	overcast	drizzle	shower
	1200	7/	Ø->8m9H	CLEAR	Ciéa	patchy	overcast	drizzle	shower
	1300	70	2-KO MIH	CLEAR	Clea	patchy	overcast	drizzle	shower
	1400	<u> </u>	Ø->3 no?H	50%Cover			overcast	drizzle	shower
-END	1500	70	1-34 MBH	90% Covea			Covercast )	drizzle	shower
Habitat Off		Open solls)	milltopsoridges	Selock ontor	opsy soli cri	usts, clay soil	s, old roads)	various nec	tar sources)
<u> </u>	10001	Butterfly	y Species	T-N-AMINE	1 100.50	COVE	Tally		Total
PEDDIE	v 1 / 1 / 1 / 1	AÎRSTRE				TALLUIN	Fiew N	NTERNOL	<del></del>
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		MARK					4(		158
FUNER	EAL DU	skywin	16-				/1		70
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST
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Recorder:	MIKE	COUFF	EP Add'I	Person:	e		Date:	16 AP	21L,2010
			ıy Project					-	
		F him				tocol Survey#			
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky	1 1	<u> </u>
START	0900	<b>७</b> ₹	0-73	CLEAR	clea	patchy	overcast	drizzle	shower
	1000	00	2.75	CLEAR	clea	<del></del>	overcast	drizzle	shower
	1100	70	Ø-73	CLEAR	clea	<	overcast	drizzle	shower
	1200	73	Ø>3meH	CLEAR	clea	-	overcast	drizzle	shower
	1300	74	1->4 WOH	CLEAR	clea	patchy	overcast	drizzle	shower
	1400	76	Ø-73	CLEAR	cléa	patchy	overcast	drizzle	shower
END	1500	73	2-75	CLEAL	clea	patchy	overcast	drizzle	shower
Habitat On	-site (circle):	open soils	hilltops, ridges	rock outcr	ops, soil cr	usts, clay soil	s, old roads,	various ne	ctar sources
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
MCHLOS	POINT	AOULT HORNED LIZARD
MCHLO6	POINT	JUYENILE HORNED LIZARDS
MCSH01	POINT	MATING SPADEFOOT TOADS
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TOTAL NUMI	BER OF QCB DET	rected: individuals
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Recorder:	Dale	Pewe	Add'l	Person:	Wene !	Pablo	Date: _	4/16	10
Project:	-Manzan	<del>ita</del> Wind En	ergy Project	Map #	<b>#</b> :	16	Survey	Sxn: Co	mpo G
		1					_2		
TIME (2	1	Temp (F°):	Wind (avg/max)	% cc			Sky		,
START	12 0	4)	4/7		Clear	> patchy	overcast	drizzle	shower
	1700	70	3/6		Clear	patchy	overcast	drizzle	shower
•				<u>                                     </u>	clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
END					clear	patchy	overcast	drizzle	shower
	-site (circle)	open seils	hilltops, vidge	s Peck outer		sts clay soil	scold roads	Warious nor	rtar sources
	(0.10/0.0)	· oponos	impopo, dagas	5, 100 <u>6,000</u>	<b></b> ,,	oto, olay ooli	0,01010000,	CVMITIOUS ITEC	orar sources
		Butterfly	Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
DPHL 01	POINT	Sau Digo Horned Lizard
		Manzanita
		lasthegra
	·	Eredium
		Layia
		Lupinus
		Cryptantha
		Caenothus
		Amszuckia
		Mruniclus
		Eschscholzia
		Phacolia
		Arabis
	·	Descuvina
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DPEPOL	1(	Closed Conopy Chaparoal &
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TOTAL NUMI	BER OF QCB DET	TECTED: NDIVIDUALS

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Recorder:	Dale	Powe	Add'l	Person:	Bannie	Ray mond Mendric	Councily 15_ Date:	4/16	110
Project:	Manzan	ita Wind End	ergy Project	_ Map	#: <u> </u>	JP G	<u>൝</u> &Surve	y Sxn: <u>C</u> a	mp R
GPS Unit :					QCB Prot	ocol Survey	# <u> </u>	of	5
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	9:45	600	2/4	0	Clea	patchy	overcast	drizzle	shower
	6:55		578	$\bigcirc$	clea	r patchy	overcast	drizzle	shower
*	17:00	780	10/13	<u>Q</u>	efea	patchy	overcast	drizzle	shower
	1400	720	578	0	<u>Clèa</u>	patchy	overcast	drizzie	shower
	122	<u> </u>	3/\		clea		overcast	drizzle drizzle	shower
END					clear		overcast overcast	drizzle	shower shower
	-site (circle):	open spils	hilltops, ridges	roek outci					
		Butterfly	/ Species				Taily		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		Mazanita
		Lasthenia
		lagia
		Eradion
		Lugary ?
		Cryptantha
		Carnotho"
· 		Amsinchia
·		Minister
		Eschreholin
		Phacelia
		Avahis
		Des curana
		Nemophilia
		Plazabarbyris
	Exclusia	
DPFP01	Polyzon	Closed Canopy Chaparral
OPEPO2	, ,	ti t
Drepo3	11	/I
OPEPOY	11	И
OPIPOI	Included Polygon	Open Chaparra
DPIPOZ	11 (3)	16
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1) b c 1,02			11	
OPIPOL	Included	Palusan	Open Chaparra	.
OPIPOL	NI.	19.	16	
TOTAL NUM	BER OF Q	CB DE	ΓECTED:	INDIVIDUALS
			` `	
			Page 2 of )	

Recorder Bonnie Hendrickadd'l Person: R	aymond escopate: 4/161	10
Project: Campo Wind Energy Project Map #2		DR_
GPS Unit GOLMIN 3	QCB Protocol Survey # of	<u>5</u> .
TIME (24-hour) Temp (F°): (avg/max) % CC	Sky	
START 96 JULY START	Clear patchy overcast drizzle	shower
10:30 37.5 1.7/4.2	clear patchy overcast drizzle	shower
11:50 7200000000000000000000000000000000000	clear patchy overcast drizzle	shower
19:25 - 27 60 7:3/10 8	clear patchy overcast drizzle	shower
2:15 7270 14/42 (2)	clear patchy overcast drizzle  clear patchy overcast drizzle	shower
END 5:00 67,20 A.3 (5.8)	clear patchy overcast drizzle	shower
Habitat On-site (circle) open soils fulltops ridgest rock outcre		
END 5: 45 701-30 4-5/6.7 0	(Jean)	
Butterfly Species	Tally	Total
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	Jaco A	-
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Bonnia	Handricke	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/
MAP/GPS LABEL	POINT/POLYGON TYPE	SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
BHEPOL	Excluded Polygon	Closed Conopy Chaparral
BHIPDI	Included Pelyson	Open Chaparral
BHQBOI	Quino!	Soon nectaring on Layragandulos
	101/0	1 photo from far away.
	Bresh 0557013	from on other side of t
	3610034	Shruly Mixed Chapange
	3010034	Log of Meria, open sails
		written chapamal
BHAROL	la Maril	+ Ad Ca, + Cerko, Erfa
DITPAUL	host plant poarby	1 plant in filmous
	* Notarian g	Antonklorum Ap.
BHARDA	-4 host ofant	Antirhinum 4 plant
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	4
BH NLOI	Mammel	Desert Woodrat Nest
		built in-cactus surrounding next
		Nectaring plant?
		La yia glandulosa La strenia sp.
		Lasthenia sp.
		Escholtzia sp.
		Cryptantua 3p.
		Ceanorous 3pp.
		Amsinckia sp.
TOTAL NUME	BER OF QCB DET	ECTED: (1 ) INDIVIDUALS
		Page 2 of 2

Over

557209 3610369

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The photo was taken at a distance, but the Quino is visible. You can find it near the center of the photo nectaring on white tidy tips (Layin glandulosa). The butterfly is completely covering the flower in the photo, but you can see another tidy typs just above and to the left. The Juino was fresh with bright color and no nicks or tears in the wings. The habitat was mixed chaparral dominated by chamese (A denosterma farciculata) mountain makagony (Cereocarpus betuloides), and backwheat (Eriogonum fosiculatum) with openings of bare soil and nectaring plants. One climbing snopdragen (Antirchinum kelloggii) plant in bloom was found nearby, see second photo attached.

Recorder:	Margie	e Mullia	39h Addil	Person:				Date:	4.17.1	0
Project: _	Campo	Wind Energy	y Project	Map #: _		<u>- C</u>	\$12-C	Survey S	xn:	
GPS Unit	:2_	· · · · · · · · · · · · · · · · · · ·			QCE			# <u>Z</u>		5
TIME (	24-hour)	Temp (F°):	Wind (avg/max)	% CC	T	Sav	a perple	King nght	avian	
START	0900	F-2	0-3	90%7	414	clea	r patchy	overcast	drizzle	shower
	1000	700	0-4	100%		clea	r patchy	overcast	drizzle	shower
	1245	790	1-5	160%		clea	r patchy	overcast	drizzle	shower
				/		clea	r patchy	overcast	drizzle	shower
					ļ	clea	r patchy	overcast	drizzle	shower
			.:		ļ	clea	r patchy	overcast	drizzle	shower
END					<u> </u>	clea		overeast	drizzle	shower
Habitat On	ı-site (circle)	open soils,	hilitops, ridges	s, rock outci	rops, s	soil cr	usts, clay so	ils, old roads	various ne	ectar sources
		Butterfly	Species					Tally		Total
Pero	lexing	Hairst	76K				11411			7
	wing						1141			7
	y Marb	14					44 44	# ##	. 11	22
	Swallow						1/1/			4
Behr	-15 Meta	1/mark	· 				1441			6
Sava	3 Oran	ox fip					Jul 1			3
Acn	ron Blot	<u> </u>					11			2
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
MMGVOI	Sensitive plant of	Gerara Viscida - 3 vegetalive plants
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1.		_
WED!	Nectar Source	Encamena linearifolia
weep	146-114 704166	Erodism cicutarium
		Lustnenia gracilis
		Eryptantia micrantua
		Marah macroarpos macrocarpos
		Maran macrochipos macrocarios
		Trichostemni parishi,
		Pectolary linearis
		Amsinkia menziesii
		Cercocarpus betiloides
		Pringtemon apectabile
		Luphaus Concinnus
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TOTAL NUMBER OF QCB DETECTED: \_\_\_\_\_\_ INDIVIDUALS

				rieid Data	Sneet				
Recorder:	Mike G	DUFFER	Add'l I	Person:			Date: _	17 Apri	L, 2010
Project:	CAMP Manzar	o <del>rita</del> Wind Er	nergy Project	_ Map #: ˌ	Vil	E 1	Survey	Sxn: <u>CA</u>	190-A
GPS Unit :	GARN	NIN 3			CB Proto	col Survey	#_ 2	of	·5 :: . · .
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC	,		Sky		
START	0900	67	8->4 MPH	100	clear	patchy	overcast	drizzle	shower
	1000	67	Ø->2	100	clear	patchy	overcast	drizzle	shower
	1100	OF	Ø-73	160	clear	patchy	øvercast)	drizzle	shower
	1200	73	8-74	100	clear	patchy	overcast	drizzle	shower
	1300	75	8-75	160	clear	patchy	overcasi	drizzle	shower
	1320	75	Ø->5	160	clear	patchy	overcasi	drizzle	shower
END	•				clear		overcast	drizzle	shower
Habitat On	-site (circle)	open sois	, hilltops, ridges	cock outcrop	🕏, soil cru	ists, clay sc	ils, old roads	various nec	tar sources
	<u></u>	Butterf	y Species				Tally		Total
BEHRS	METAL	MARK		4		TALLY	IN FIELD N	OTEBOOK	85
	M AIM					L ii			15
PERPLEX	4NG HA	HRSTREAK				N			8
Acmon	BLUE					· · ·			8
FUNER	EAL DUSH	ry WiNG				· ·			14
Aerow	HEAO BLL	<u>E</u>				11			~~
SPRING	- WHITE					11			3
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BROWN	ELFIN					1(			3
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
MC MORTARHOLE 1	POINT	SEVERAL MORTAR HOLES IN A ROCK
		(NAD 27 CON US) 115 0560298, 3620234
MCHLO 7	Point	ADULT HOLNED LIFARD
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	et e la serie de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la	
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TOTAL NUM	BER OF QCB DE	TECTED: INDIVIDUALS

			Modd'l				Date:	4/17	10
Project:	Cau Manzan	၉ဝ Ita Wind End	ergy Project	Map #	#: <u> </u>		Surve	y Sxn: <u>Ca</u>	mpo D
GPS Unit		<u> </u>			QCB Proto	col Survey	#	of	5 .
	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Skyllo	*	
START	0900	66	9/11 6/8	90	CIVIO Clear	patchy	overcast	Soldrizzle	shower
	1010	72	6' 18	Cleaving	⊘37°0 clear		overcast	drizzle	shower
	1110	720	7/9_	50%	clear	patchy	Colleges 1	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
END	-				clear		overcast	drizzle	shower
Habitat On	ı-site (circle)	open soils.	hilltops, ridge	s⊋ rock outcr	ops, soil cru	usts, clay so	oils, old roads	, various ne	ctar sources
		Butterfly	/ Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		Frodium
		Cuenothus
		Cry ptant ha
-		Amstrackia
		Desculagnia
		Namoskij ki
		Place Pia
		Manzanta
		Plazio borhavis
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DPCS001	POINT	Costanthus simplones all along you
OPCS 602	j	1)
DPHL 001	1(	San Diego Hornad Lizard
	AIP	

TOTAL NUMBER OF QCB DETECTED: O INDIVIDUALS

Recorder:	Dale	- four	Add'I	Person:		<del>.</del>	Date:	4/1	7/10
Project:	Comp Manzar	s ilta Wind End	ergy Project			7		· i	anypall
GPS Unit	<u> </u>				QCB Prot	ocol Survey	#		•
TIME (	24 hours	Ta (F9).	Wind						
START	4-hour)	Temp (F°):	(avg/max) 구/억	% CC			Sky Sky har	<u> </u>	
Oraci	(3'.60)	20	6/97	50%	clea		overcast overcast	drizzle	shower
	, , , 0	70		30.0	clea		***		shower
					clea		overcast	drizzle	shower
					clea	<u> </u>	overcast	drizzle	shower
		· · · · · · ·	***		clea		overcast	drizzle	shower
END					clea		overcast	drizzle	shower
	-site (circle)	open seits	hilltops, ridges	s rock outer	clea	patchy	overcast	drizzle	shower
		· • • • • • • • • • • • • • • • • • • •	rimopo, prago.	s, rook outer	ops, son cr	usis, clay sc	ils, u <u>ta reaus</u>	r, vario <u>us n</u>	ectar sources
		Butterfly	Species		<i>?</i>		Taily		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		Eredium
		Carnothus
		Curptantha
		Descovainia
		Nemophilia
		Pracelia
		Monzanta
		Honginskia
<u></u>		halis perpans
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TOTAL NUM	BER OF QCB DE	TECTED: INDIVIDUALS

Recorder:_	Mare	jie Mu	11991Add'I	Person:			Date:	4-17-	-10
							Survey Sxn		
GPS Unit:	2			S S	QCB Prot	ocol Survey	#	of	<u>5</u> .
71145 (0	4 havel	Tama (5°);	Wind	% CC	10	19	Sky		
TIME (2	1300	79°	(avg/max) □ -Q	100	clea	r patchy	overcast	drizzle	shower
SIAKI	1600	80°	2-8 2-4	100	clea		(overcast )	drizzle	shower
	1000	50		1	clea	A	overcast	drizzle	shower
		-			clea		overcast	drizzle	shower
~	cative			ACCUPATION OF THE PROPERTY OF	clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
END		2			clea	patchy	overcast	drizzle	shower
Habitat On-	site (circle)	: open soils/	hilltops, ridge	s, rock outcr	ops, soil cr	usts, clay so	oils old roads, (	rarious nec	tar sources
		Butterfly	Species	*			Tally		Total
Pearl	y Mar	ble				MITH	(1)		12
		lmark				## ##	<del>   -                                 </del>	*##	38
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
险	Nectar Sources!	
		Amsinkia menziesi i
		Lightnus bellus
		Luoinus concinnus
		L. bi 1010-
		(quanthus simulas
		any planta micrantus
		Plaglaboturyus Sp.
		La Amenia gracilis
		Senecio californica
		Anisbooma acarlis
		Lots Striggsus
		Phacelia distans
	· · · · · · · · · · · · · · · · · · ·	Salvia columbariae
	· · · · · · · · · · · · · · · · · · ·	Nemoghila menzies)
		Layia glandulosa & platoglossa
		Ceanotus levodirmis & greggi perplexans
		En camera linearifolia
WW11301-C	4 sensitive plant of	
14 1 7 7 7 7		throughout polygon
W C 1305	Sensitive plant pt	
	Sensitive lizard pt	Hanlizard -1
MMCSOI		
MMADOI	Sensi Kveplant pt	Cowlanthos simulans - 1 plant
NMDSOI	11	Astragalus douglassisperstrictus 235 plants vegetal
*(10 (10 ) 0 )		Delphinirm panishil 55p. subglabasing So darble thacks
		4 san budding plants
TAL NUMB	ER OF QCB DET	ECTED: O INDIVIDUALS

Page 2 of 2

## **Quino Checkerspot Butterfly Protocol Survey**

Field Data Sheet										
Recorder:	KK	1 Oshan	Add'l F	Person:	Georgan	-	Date:	4/8/	2010	
Project:	Campo	Wind Energy	y Project	_ Map #:	B(4)	/B(8)	Survey Sx	(n:		
GPS Unit	5						# 13-4-			
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		······································	
START	· .	501	2,5/5	<u>ح</u>	clea	r → patchy	overcast	drizzle	shower	
	1120	69	1.7/2.8	0	clea	patchy	overcast	drizzle	shower	
					clea	r patchy	overcast	drizzle	shower	
	Zero	72	colon	0	clea	r patchy	overcast	drizzle	shower	
					clea	r patchy	overcast	drizzle	shower	
	A company	1			clea	r patchy	overcast	drizzle	shower	
END			calm	<u></u>	clea		overcast	drizzle	shower	
Habitat Or	n-site (circle	): open soils,	hilltops, ridges,	rock outc	rops, soil cr	usts, clay so	ils, old roads,	, various ne	ctar sources	
		Butterfly	/ Species				Tally		Total	
	Tuchlas	60.00	٢			XXXXXX	73			
Barre		and in a	1						1	
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Abundant Corcly lanthus (Quero host) found just									<u> </u>	
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)						
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****		Abundan Coodylanthus m						
		oak woodands & Chapman ( marked on Map.						
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Water								
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<u>.</u>								
	BER OF QCB DET	ECTED: Ø INDIVIDUAI						

2 maps on one data sheet Quino Che

#### Quino Checkerspot Butterfly Protocol Survey Field Data Sheet

Recorder:	CAMPO									
Project: Manzanita Wind Energy Project Map #: 8 Survey Sxn: 8										
GPS Unit : QCB Protocol Survey # of 5										
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% cc			Sky			
START			/		clear	patchy	overcast	drizzle	shower	
904	-	43	36-4		clear	patchy	overcast	drizzle	shower	
1030	1130	66	3.9/2-6		clear	patchy	overcast	drizzle	shower	
1030			/ /		clear	patchy	overcast	drizzle	shower	
1200	400000	72	2.4/0-6	6010%	Cclear	patchy	overcast	drizzle	shower	
L4-60		73	calm	492604	Clear	patchy	overcast	drizzle	shower	
END					clear	patchy	overcast	drizzle	shower	
Habitat Or	-site (circle)	onen soils	hilltons ridges	rock outer	ons soil crusts.	clay so	ils, old roads.	various ne	ectar sources	

Tally **Total Butterfly Species** & properties 1/11
Enchlor heyantes 1111 marmo IUXX (Blackewallow E aditha & 3:48 pm 32° 41494 116° 19.728 hill top it project

8 x2 357 pm 32 41.487 116 19.752 an welk back

Photographs of R. P. and habitak V. atalanta V- cardaii /111 V- annoballa / Philosox Cafellas 1

Recorder:_	Antone He Gutierre	Add'l Persor	1: Phil	lio Paipa	,	Date: _	1181	0	
Project:	CAMPO  Manzanita Wind Energy Proje	ect	Мар #:	8,3,4		Survey S	Sxn: 👍	MDO	B
GPS Unit :	)		QC	CB Protocol Surve	эу #	3	of	5	<u> </u>

TIME (	24-hour)	Temp (F°):	Wind (avg/max)	% cc			Sky		
START	0900	76	0	දිර	clear	patchy	overcast	drizzle	shower
	1000	78	0	40	clear	patchy	overcast	drizzle	shower
	1100	82	0	40	clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
			. g		clear	patchy	overcast	drizzle	shower
END	1600	964	Dup N	30	clear	patchy	overcast	drizzle	shower

Habitat On-site (circle): open soils, hilltops, ridges, rock outcrops, soil crusts, clay-soils, old roads, various nectar sources

Butterfly Species	Tally	Total
Conmon butterfly Behr's Matalnerk	111	8
Bolar's Matalwork	IH HH H WING WI	W 11 48
Armon Blue	HT (II)	9
Dosky worman	LHT LHT 1	1
Perplexing Mairstreak	11	7
Gards Onlighty	11+1	V
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Pale Swallowteil		1
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)						
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, de		Ersdism cientarium						
	·	Everypta chrysan thomifolia						
		Careopsis california						
		Malacothrix californica						
		Malarollian develandii						
		Plagiobothy scallinus						
		Pracelia						
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TOTAL NUMBER OF QCB DETECTED: \_\_\_\_\_\_ INDIVIDUALS

Recorder:	Dale	Pane	l'bbA	Person:	_cu:3	Conno Il	<u>√</u> Date:	4/18	10
Project:	Manzan	<del>ita</del> Wind En	ergy Project	Мар	#:	26 1	Survey	y Sxn: _C	un por C
GPS Unit		3				ocol Survey #	100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to		
	TIME (24-hour) Temp (F°): Wind (avg/max) % CC						Sky		
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	11:30	800	2/4	Ö	Clea	-	overcast	drizzle	shower
2					clea	r patchy	overcast	drizzle	shower
					clea	1	overcast	drizzle	shower
END					clea		overcast	drizzle	shower
	-site (circle)	open soils	hilltops, ridges	gock:outc	clea	r patchy	overcast	drizzle	shower
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)					
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TOTAL NUM	BER OF QCB DE	TECTED: INDIVIDUALS					

Page 2 of 2

Recorder:_	Dal	e Pow	ell_Add'I	Person:	_000_	Councilly	Date:	4/18	10
Project:	Compo Manzan	<del>ita </del> Wind End	ergy Project	Map #	<b>#</b> :	3	Survey	Sxn: <u>Ca.</u>	m. po 0
GPS Unit :		3	<del></del>			ocol Survey #	_		
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	11:45	300	3/6	0 2	clea		overcast	drizzle	shower
	1330	78 740	417	0	dea		overcast overcast	drizzle drizzle	shower shower
	1430	T	77	0	clea		overcast	drizzle	shower
					clea		overcast	drizzle	shower
					clear		overcast	drizzle	shower
END					clea		overcast	drizzle	shower
Habitat On	-site (circle)	open solls,	hilltops, ridges	s, rock outcri	ops, soil cr	usts, clay soils	s, old roads,	various nec	tar sources
•			/ Species				Total		
Rohr	, Metal	mach			ίμ	HI JULY	THI HI	HI HAT (ILL)	43
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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TOTAL NUMBER OF QCB DETECTED: INDIVIDUALS		

Recorder:	Mike	OUFFER	)Add'I	Person:	8		Date: _	18 APR	214, 2010
					DILE SO	)	Survey Sx	n: <u>CΆγ</u>	npo"P"
	: GARN				QCB Protocol				
			Wind						
TIME (2	4-hour)	Temp (F°):	(avg/max)	% CC			Sky		
START	0844	`⊐0	Ø	CLEAR	clear	patchy	overcast	drizzle	shower
	0900	71	0	CLEAR	clear	patchy	overcast	drizzle	shower
	1000	75	8	CLEAR	(clear)	patchy	overcast	drizzle	shower
	1100	77	Ø->ZMPH	CLEAR	clear	patchy	overcast	drizzle	shower
	1200	78	Ø->3 MPH	CLEAR	clear	patchy	overcast	drizzle	shower
	1300	ಕೆಎ	8->3 MPH	CLEAR	cleary	patchy	overcast	drizzle	shower
END	1400	80	D->4 MDH	LLEAR	clear	patchy	overcast	drizzle	shower
Habitat On	-site (circle)	: open soils	hilltops ridges	, rock outer	ops; soil crusts,	, clay soils	old roads,	various ne	ctar sources

Butterfly Species	Tally	Total
1500HRS, 76°F, 176MPH, CLEAR		
1600 HRS, 75°F, 3->7 mp4, 40% Cover,		
SOUTHERN BLUE	IN FIELD NOTEBOOK	5
ACMON BLUE	13	q
PAINTED LADY	11	(3
BEHR'S METALMARK	11	450
CALIFORNIA MARBUE	11	45
ACMON BLUE WITHOUT ANY ORANGE ON WINGS	11	1
SARA ORANGETIP	t.	5
PERPLEXING HATRSTREAK	- 11	17
FUNEREAL DUCKYWING	11	48
CHALCEDON CHECKERSPOT	11	2
PALE TIGER SUPLICUTAIL	T\	1
Brown ELFIN	11	3
SPRING AZURE		6
GABB'S CHECKERSPOT	41	1
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
MCMOOTPOHOLES ?	POINT	3 MORTAR HOLES IN A LONG ROCK
Mc WWO I	POINT	·
MCHL08	PONT	TWO JUVENILE HORNED LIZARDS WITHIN 2 FT OF EACH OTHER.
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TOTAL NUMBER OF QCB DETECTED: \_\_\_\_\_\_ INDIVIDUALS

Page Z of Z

	¥	*	Quino Che	ckerspot Bu Field Da	itterfly Prot ita Sheet	ocol Survey	1		
Recorder:_	Dale	Powel	Add'I	Person:	Philip	Paipa	Date: _	4/10	alio Olf
Project:	_Manzan	ita Wind En	ergy Project	Map #	#: <u> </u>	15	Survey	Sxn: Ca	mpo K
GPS Unit :		13			QCB Protoc	col Survey #	3	of	<b>W</b> 5
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC	- The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the		Sky	- 12	
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017.1.1	16:35	720	6/4	16	Gléar	-	overcast	drizzle	shower
706 3077	, , , ,				clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
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					clear	patchy	overcast	drizzle	shower
END	2.270 07.0050				clear	patchy	overcast	drizzle	shower
Habitat On	-site (circle)	open soils,	hilltops, ridge	s, rock outer					
		Butterfly	y Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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TOTAL NUM	BER OF QCB DE	TECTED: INDIVIDUALS

Page 2 of 2

Recorder:_	DAVIDIK	FAUIKNER	Add'l	Person:(	Eugene Parl	oloa	Date:	19 APR	16 2010
Project:	Campo	Wind Energy	Project	Map #:	12		_ Survey S	m: <u>Cam</u>	<u>ρε- €.</u>
GPS Unit :	#7				_ QCB Proto	col Survey#	3	of	5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	1500	7-10	4	ýδ	clear	patchy	overcast	drizzle	shower
				,	clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
END	1630	690	7-8	Ø	clear		overcast	drizzle	shower
Habitat On	-site (circle)	epen soils,	hilltops, ridge	s, (ock outc	crops, soil cru	sts, clay soil	s old roads	various (ne	ectar sources
		Butterfly	Species				Tally		Total
ACMON	Lblue								7-
A. 12	aulti.								4
Fuchel	J 3.44	<u> </u>				•••			2_
000	<u></u>								
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			18 201 111						
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	0.000								
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
12	(only Part)	Goldfields Cryptontha Compositions.
		Competities.
		* ***
		·
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	·	
TOTAL NUMI	BER OF QCB DE	TECTED: Ø INDIVIDUALS

			Quino Chec		utterfly Pro ata Sheet	toc	ol Survey			
Recorder:	ERIKL	aloste	Add'l I	Person:				Date:	4/19/1	0
Project:	Campo	Wind Energ	y Project	Map #: _	10	- '		Survey Sx	kn: <u>∓</u>	
GPS Unit					QCB Proto	ocol	Survey#		of	5 .
TIME_(2	24-hour)	Temp (F°):	Wind (avg/max)	% CC	-	<u>,</u>		Sky		
START	1040	64	. ZAU/4 Max	30	clea	r	patchy	overcast	drizzle	shower
	1215	62	5A/10M	5	Clea		patchy	overcast	drizzle	shower
	皇215	76	5A/10m		clear	<u> </u>	patchy	overcast	drizzle	shower
			4		clea	<u>r</u>	patchy	overcast	drizzle	shower
-					clear	r	patchy	overcast	drizzle	shower
					clear	Г	patchy	overcast	drizzle	shower
END				-0	éleai		patchy	• • • • • • • • • • • • • • • • • • • •	drizzle	shower
Habitat On	n-site (circle)	: open soils,	hilltops, ridges	, rock outc	rops, soil cri	ústs	, clay soils	, old roads,	various ne	ctar sources
		Duttorfl	y Species					Tally		Total
6-4	2260	Blue					/	I ally		7
	Orange.					- 1	/ )			7
	: meta					_	200+			3 200+
•						-	11			4
Interior.	/ 1						u			2
	Suallo	₹4 .					1/)			3
		slaguin	· ·				HH			5
		Duskyw					**************************************			2
.a. /			e				11			2
	ron E					i	111			4
							·			
										1

MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
SLCOLHELO1	Feint	Collinsia Heterophylla - 100-200
ELLOUHETOR	Paint	Collinsia Heterophylla - 50 - 100 but there
		are thousands in the Same Drainage.
J		Further east
		Produm Sp
		Cal Poppy
		Creun rups
·		Plaseobothys Cupine SP.
		Cupiae se.
		Oction capitation
		Chia
		Dichelostemme Capatatum
		Seneiro Cal.
		Mimulus Fremanti
		Anuacoma acarlis
		Lusthenia Cal.
		•
OTAL NUMF	BER OF QCB DE	TECTED: 🔗 INDIVIDUAL

Page <u>2</u> of 12.

Recorder:	Natalk	Brodie/Evin	_ Add'l Pe	erson: 上	like Carriage	Date: <u>\</u>	ADV	2010	1
Project:	Camr	oo Wind Energy Proje	ect	Мар #: _	16	_ Survey Sxn: _			
GPS Unit :	#5				QCB Protocol Survey #	3	_ of	5	

TIME (	24-hour)	Temp (F°):	Wind (avg/max)	% CC	Sky	
START	1045	65°	4/7 mor	40%		nower
	ji45	720	4/8 mil	10%	clear patchy overcast drizzle sl	nower
	1330	740	2/5	. 6		nower
	1445	75°	2/5	ch	clear patchy overcast drizzle sh	ower
					clear patchy overcast drizzle sh	nower
	,		1		clear patchy overcast drizzle sh	nower
END	1540	730	3/6	Ø	cleap patchy overcast drizzle sh	nower

Habitat On-site (circle): open soils, hilltops, ridges, rock outcrops, soil crusts, clay soils, old roads, various nectar sources

Butterfly Species	Tally	Total
Behvs metalmark	HT MUK HT III	23
unidentified white		1
indentified blue	and the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of th	
Aprinotole	मा भाभा गा	19
Stathern blue	VIII	4
Perplexing hairstvenk	HT I	6
unereal Diskymina	JHI.	5
Pale swallowant		· ·
Acmon blue	ोभा ।भा ।। ।	12
Painted lady	3	
Leavisco. India	8	
	·	
·		• • • • • • • • • • • • • • • • • • • •

MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		Fieldlewack, GoldFields, Poplarn Flower
EB0102		Astragalus
EBOI .		Campo pea
EBOI		Campo pea 2 - 6
BUEBOI		Black tailed jackraphy
EBHLOI		Horned lizzard
FBHL 0Z		Horned Ward (big one!)
		Antivipinum
FB01		Campo pea 11
EB0103.		Astrongalus 3
FEOIOH		Astropalis
EDOL 05		Astronalus S
EB01 06		Astrogalus 6
EBO 1 07		Astragalus 7
EBOI 85		Astroquie 3
FROI ON		Astragalog
	, , , , , , , , , , , , , , , , , , , ,	

Page \_ 7 of \_ 2\_

Recorder:_	Natalie	Bradie/	EVIV Add'	l Person: _	Mike	Carriacy	Date:/	7 Apr a	26to
Project:	Campo	Wind Energy	Project	` Map #:	19	J	Survey Sxn:	Camp	0 - M
GPS Unit :	_#5				_ QCB	Protocol Survey # _	27	of	5 .

TIME (	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	1200	73°	3/6	Ø	clear	patchy	overcast	drizzle	shower
	1300	72°	3/10	d	clear	patchy	overcast	drizz!e	shower
				w.	clear	patchy	overcast	drizzie	shower
					clear	patchy	overcast	drizzle	shower
		4			clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizz!e	shower
END_	1330	740	2/5	Ø	(clear)	patchy	overcast	drizzle	shower

Habitat On-site (circle): open soils, hilltops, ridges, rock outcrops, soil crusts, clay soils, old roads, various nectar sources

Butterfly Species	Tally	Total
CA Marke	II THE PHYTHL	
Sara orangetup	TE N	2
Forevert Bookywing	IK I	-6
Southern blue		r-Culé-
Acmon blve	M M M M IN III	24
Bews Mctalmark	WINT IN II	17
Problema Hairribeak	וואעמא	. 12-
unidentified suffer		2
Aulf fritillary (?)	1	1
		·
	· · · · · · · · · · · · · · · · · · ·	
<u> </u>		
		84)

MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		goldfieds, poprova flower fiddleneck
EBO1		Campo Deg 7
B0102		Campo per 3.
EB0103		Campo pea 9
F80104		Canos ca 10.
		1
	·	
	-	
·		
<u>.</u>	BER OF QCB DE	TECTED: INDIVIDUAL

ECTED:	J	 - * *******	INDIVIDUALS
Page 2 of	<u> Z</u>	91	

				1 1014 5	011446				
Recorder:	Dal	e Powe	C <sup>(</sup> Add'l	Person:f	heling	Paiple	Date:	4/14	10
Project:	Campo	Wind Energy	/ Project	Map #: _	2	.3.	_ Survey S	kn: <u>Cam</u>	peg
GPS Unit :		13		-	QCB Prot	ocol Survey #	-	5 of 4_	5 .
			Wind						
	4-hour)	Temp (F°):	(avg/max)	% CC	C 2021. 2. ~		Sky		
START	10:45	690 75°	2/4	20	CWV Etea		overcast	drizzle	shower
	12,72	75	6/8	<u> </u>	dea		overcast	drizzle	shower
	13:30	790	-5/7	0	clea	-		drizzle	shower
	15:00	2	6/7	0	clea		overcast		shower
				·	clea			drizzle	shower
					clea		overcast	drizzle	shower
END Habitat On	-site (circle):	gnen soils	hilltops, ridges	rock outer	clear		overcast	drizzle	shower
	-site (circle).	wperi solis,	millops, ridges	5) IOEK OUIOI	opa, gon ci	usia, clay son	o Old regus,	Valious fier	ciai sources
		Butterfly	Species	<u> </u>			Tally		Total
Dat	NI OF ENI				11	计计计计	HT HE H	THE HIT	120
			the not		i we			an rivi	105
<u> </u>	is Orong	·Trp				HI HT			12
10 M	11						<u>-1 </u>		10
	ble		<u>.</u>	<del></del>		hat het			10
7/10	\$ 2	n1 £ (				1114			
		Mowtai	1						4
<u> </u>	<u>ralçador</u>	\ <u>.</u>				411			3
<u> 7</u> a	intid	Lady				11		`tr	12
<u> </u>	abbs/6	10 W 10							1
5	mo val	Duskwin	4			Ht/ Ht	1 11		12
D	ask 4 mm	<b>.</b>	0			Her it	ct 147 14		18
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIS
		Lenthrus
		layra
		Ceonothus
		Phaeslia (2)
		Esch scholzia
		Malacothrix
-		Plagio bothwas
		Plageo bothys Cryptantha
		Nemaphilia.
		Evicamera
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			Quino Che	ckerspot Bi Field Da	utterfly Pro ata Sheet	otoc	ol Survey	/		
Recorder:	MIKE	COUFFE	e Add'i			NE		Date:	19 APR	IL. 2010
Project: _	Campo	Wind Energ	v Project	Map #: _	TILE 2	30		_ Survey Sx	in: <u>CAMP</u> C	- P NORTH
GPS Unit	GAR	min 7	₹		QCB Prot	oco	l Survey #	_3_	of	5
TIME /	24-hour)	Temp (F°):	Wind	~ 00						
START	1100	69	(avg/max) Ø-> 6 ΥΥΡΗ	% cc 45%	clea		not also	Sky		
	1200	70	1->6	5%	clea		patchy patchy	overcast	drizzle	shower
	1300	75	Ø-75	5%	Clea		patchy	overcast overcast	drizzle drizzle	shower
	1400	75	0-34	5%	clea		patchy	overcast	drizzle	shower
	1500	ð٢	Ø->5	CLEAR	clea	<u> </u>	patchy	overcast	drizzle	shower
	1600	_ <del>7</del> 5_	276	CLEAR	clea	3	patchy	overcast	drizzle	shower
END	1630	7.5	Ø-73	CLEAR	clea	$\sum_{i}$	patchy	overcast	deisale	
Habitat On	Habitat On-site (circle): Open soils hilltops ridges rock outcrops, soil crusts, clay soils, old roads various nectar sources									
		Butterfly	/ Species					Tally		Total
BEHR'S	METALN	1ARK)				TALLY IN FIELD NOTEBOOK			195	
CALIFOR	NIAMA	2BLE				11			17	
FUNERE	AL DUSK	DAINY				1,			25	
YERRLEX	ING HAI	RSTREAK				is .			スJ	
PAINTE	D LADY	>				11			1	
CALIFOR	WiA 750	GFACE	(FEMALE)			- 11				1
QUIN	O CHE	KERSPO	BUTT	ERFLY	2			11		え
SPRIN	G WH	ÎTE		0	,			K		7
SOUTH	ERN BL	UE				•		T.		1
DESORT	- ORANG	E416						(1		1
SARA ORANGETIP								1 V		1
	.,,									
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
MCHLIO	POINT	
MCQB05	Point	CHASING MCQBOG. PHOTOS TAKEN
mcaB06	POINT	
		· · · · · · · · · · · · · · · · · · ·
<u> </u>		
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	,	
TOTAL NUMI	BER OF QCB DET	rected: RIDIVIDUALS

Recorder:	David K.	FAUKWAY	Add'l	Person:(	Eugene 1	مالحدر	Date	e: <u>19 Ap</u>	AL ZOIG
Project: Campo Wind Energy Project Map #: 15 2 16 Survey Sxn: Campo-L								rpo-L	
GPS Unit	: #7				QCB Proto	ocol Surv	ey# <u>3</u>	of	5
TIME (	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		2.4.2
START	1000	-3oF	4	SO	Cleai	<b>)</b> patcl	ny overcast	drizzle	shower
	1130	74"	6	30	Clear	patcl	overcast	drizzle	shower
	1200	+3	S	Ø	Cléai	patcl	ny overcast	drizzie	shower
	1330	76	3	4	<b>C</b> lear	) patcl	ny overcast	drizzle	shower
	1400	7-6		Ø	Clear	) patcl	ny overcast	drizzle	shower
			٠.•	•	clear	patcl	ny overcast	drizzle	shower
END	1500				clear	patcl	ny overcast	drizzle	shower
Habitat Or	n-site (circle)	: open soils	hilltops, (ridge:	s rock outc	rops, soil cri	usts, cla <b>y</b>	soils old road	j <b>s</b> , various∡	ectar sources
		Butterfly	Species				Tally	(i)	Total
Acme	on blue	·							4
C. Au	yes time	*							1
6. f.	maralis			4					4
E. 54	pecies				varietis igr - 19	2 2	Destroya de de		5
	10							Adam Warren Consistent (Inc. Co.)	6
Evd	doe h. Tat	اهـ	<u> 20</u>						11
								£0	4
							8	44. No. 1 a 2 a 4 a 4 a 4 a 4 a 4 a 4 a 4 a 4 a 4	15+
Ph.	losoras	ω.						en en en en en en en en en en en en en e	2
[Hu	les Timas	ta 7		WAS 1/40 - 1		600 161 16001 100161		2	
Colia	s hardin	ا الم							i
	7								
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		V)					S.		
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			W 150000	ara entimical archero.					
			10						

MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
15 4 16		Congramons
		Blue Sticks
		Daby blue seps Arabis sp.
	·	Goldfields
		Goldfields Cesnothus.
		·
		•
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TOTAL NUMBER OF QCB DETECTED: \_\_\_\_\_\_ INDIVIDUAL

Recorder:	Recorder: MIKE COUFFERD Add'l Person: NONE Date: ZO APRIL, 2010								
	Project: Campo Wind Energy Project Map #: MAP NLE 18 Survey Sxn: CAMPO - N								
GPS Unit:	GPS Unit: GARMIN Z					Survey#	~~~~	of	<u> 5</u> .
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC					
START	0945	65	1->5 mph	CLEAR	clear	patchy	Sky	ــــــــــــــــــــــــــــــــــــــ	-1
	1000	७५	2->6mp4	Ø%	clear		overcast	drizzle	shower
	1100	<b>ය</b> හි	2->8 mPH	5%	clear	patchy	overcast	drizzle	shower
	1700	68	2->5mPH	5%	clear	patchy	overcast	drizzle	shower .
	1300	70	Ø->4 MPH	5%		patchy	overcast	drizzle	shower
	1400	72.	Ø SUMPH	10%	(clear)	patchy	overcast	drizzle	shower
FND					clear C	patchy	overcast	drizzle	shower
END	1445	70	Z->8me4	50%	clear	patchy	overcast	drizzie	shower
Habitat On-	labitat On-site (circle): open soils hilltops ridges rock outcrops soil crusts, clay soils old roads various nectar sources								

**Butterfly Species** Tally Total BEHR'S METALMARK TALLY IN FIELD NOTEROR 65 CALIFORNIA MARRIE PERPLEXING HAIRSTREAK ACMON BLUE L\ SOUTHERN BLUE 6 HENNE'S CHECKERSPOT . 1 FUNEREAL DUSKY WING 4 **73** SARA ORANGETIP 1 WESTERN TALLED BLUE 11 PAINTED LAOT WEST COAST LADY . 1 DESERT ORANGETIP T. SPRING AZURE U. 1

MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
MCWWOZ	POINT	AOULT WHIPTAIL
Mcwwo3	POINT	ADULT WHISTAIL
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TOTAL NUM	BER OF QCB DE	TECTED: INDIVIDUALS
		Page $2$ of $2$

				Field Data	a Sheet				
Recorder:	BAUG	R. FAUKN	در Add'ا	Person: <u>ح</u> ي	your Pr	-Yo	Date:	20 ap	-: ( 2610
Recorder: David K. Fautkur Add'l Person: Eugen Patts Date: 20 april 2610  Project: Campo Wind Energy Project Map #: 11 2 12 Survey Sxn: Campo E.									
GPS Unit	#1			(	QCB Proto	col Survey#	3	of	5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	୦୩୪୦	59*	3	migheids	clear	patchy	overcast	drizzle	shower
	1060	67		3-4	Clear	patchy	overcast	drizzle	shower
	3100	63	9		clear	(patchy)	overcast	drizzle	shower
	1200	64	7	ч	clear	(patchy)	overcast	drizzle	shower
	1300	65	9	30	clear	patchy	overcast	drizzle	shower
	1400	63	10	SO	clear	<b>Oatchy</b>	overcast	drizzle	shower
END	1500	لدي	90	40	clear		overçast	drizzle	shower
Habitat On	ı-site (circle)	open soils,	filltops ridge	s, cock outcro	ps, soil cru	ısts, clay soils	s, old roads,	various 🕡	ectar) sources
		Butterfly	/ Species				Tally		Total
Ga.	19 co. 2								7
	mis species AMA	<u>ي</u>							2
									15+
A. V	inquit							-	154
٧. ه	andui.					<u>.</u>			\ \
C. 1	perplaya								\ \
4ر-	losma								1
(E.	phieton	1							1
L	, , ,	)							
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
11/12		Goldfields
		Amsunkia
		Ceanothus
		composites
		Gryptantha
		Baby Wive such
		Conjetentha  Baby blue sepes  [ collensia - not in flower)
		•
		· ·
		<u> </u>
TOTAL MUSIC		TEOTED. (78 INDIVIDUAL)
TOTAL NUMB	BER OF QCB DET	rected: individuals

Recorder:	B. LOH	578014	Add'l	Person:	Faulener/	Engene	Date: .	4/20	1/10
Recorder: B. LOH STROH Add'l Person: D. Faulcher / Engene Date: 4/20/10  Project: Campo Wind Energy Project Map #: 5, 11, 12 Survey Sxn: C									
	#10			- · · · · · · · · · · · · · · · · · · ·	QCB Protoco	ol Survey#	3 (?	) of	5
TIME (	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	0945	65°F	2-6/12	46%	Hazu/clear	patchy	overcast	drizzle	shower
	1045	65	4-10	40%	Hyz, blear	patchy	overcast	drizzle	shower
	1200	67	4-8	20%	/clear	patchy	overcast	drizzle	shower
	1300	69	6-9/12	40 %	clear	patchy	overcast	drizzle	shower
	1400	64	6-12	40 %	clear	patchy	overcast	drizzle	shower
	1440	67	6-12	50%	clear	patchy	overcast	drizzle	shower
END	1545	62	8-15	১ত হ	clear	patchy	overcast	drizzle	shower
		: open soils/	hilltøps, ridges				old roads,	various ne	ectar sources
				•		•			
		Butterfly	y Species				Tally		Total
ΔοκΛι	OX LAND	tairs tre							16
7 1.	1		4/5						26
<u> Sehi</u>	is We to		4	,					70
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		Lego
		BUSH
-		SATO
		INCSP
		WTSW
		RCSP
	. ,	BEWR
		Scia
		side blotched Lizard W. Whiptail
		cottontail
		Netar sources
	110	Anisocoma acaulis, Reachura, Cammissania
		Dopcern planer evodium, CA poppy
		botheria californica arcocarpus bet,
		Lots Strigosus Amsrukia Filia Dhaceliasp
		Demophila mustardy menzelia sp ceanothis
50 0		Layia glavely bya
BLAJOI	Rare plant	Carlanthos Similars I individuals
BLCPOI	11	Lathyris sprendens lindividual
31 GV01	· · ·	Gerea Viscidia 7 individuals
BL6102	(1	211 9 endividres
BLJROI	have while	Black tailed jacksalabit

INDIVIDUALS

Quino Checkerspot Butterfly Protocol Survey Field Data Sheet										
Recorder:_	Marg	ie Mul	ligan Addil	Person: _	Shirley	Inneck	eh Date:	4.20.	2010	
Project:	roject: Campo Wind Energy Project Map #:									
GPS Unit :	5				_ QCB Protoc					
	TIME (24-hour) Temp (F°): (avg/max) % CC					Sky				
START	1036	65	2-6	20	clear	patchy	overcast	drizzle	shower	
	1200	65	4-8(14)	30	clear	patchy	overcast	drizzle	shower	
	1400	64	8-13(15)	50	clear	(patchy)	overcast	drizzle	shower	
	1600	66	4-10	50	clear	patchy	overcast	drizzle	shower	
					clear	patchy	overcast	drizzle	shower	
					clear	patchy	overcast	drizzle	shower	
END	*** ( 1 1 )				clear	patchy	overcast	drizzle	shower	
Habitat On-	site (circie):	open soils,(	hilltops ridges	rock outcr	rops, soil crus	ts clay soils	, old roads,	various ne	ctar sources	
· · · · · · · · · · · · · · · · · · ·			/ Species				Tally		Total	
Acmo	n Blu	C				Coo N	10teboo	K	12	
Behr	-> Mot	amark					IL IT BUU			
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	ery Bl								2	
100	- 2.2.10.1	angeti.							3	
Ivn.	ereal	Duskwil	49				7 (00)			
Sul	shur (	Cloudle	=55?) \$							
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
	Nectar	Phacelia puryi & distars
	Source:	Gilia capitalian
		Cercocarpus belloides
		Layia glandulosa
		ceanothus levcodermis
		Streptan thus campestris
		Escholtzia californica
		Coreopsis Californica
		Descurainen planeta
		Collinsiah
		Letus shigosus
		Ericamena lineanifica
		Children and and and
		Caulantous simulans
		Lupinus bicolor & conginnus & francatus
516E01	birdpt	OWL?
MMSCOI	sensitive plant pt	5 treptantnus campes his - 5 plants
MMSCO2		i type
MMSC03	1	
MMSCO4	1 1	1' - I plants
MMDSOI	11	Delphinium punishii 55 p. Subglobosum - Caulanthus simulans end pt forridge
MMCSOI	( c	Caulantins simulans end pt forridge
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Page 2 of 2

				Field D	ata Sneet					
Recorder:_	Dale	Pawell	Add'l	Person:	Louis (	Connolly	Date:	46:	zopo	
Project:	Manzar	ita Wind Ene	ergy Proje <b>c</b> t	Мар	#: <u> </u>	4	Surve	y Sxn: _ <u>ட</u> ு	impo R	· ·
GPS Unit :		13			QCB Proto	ocol Survey#	3	of	5	<u>-</u>
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% cc			Sky			
START	12:30	660	7/10	0	Clear	•	overcast .	drizzle	shower	
		+			clear		overcast	drizzle	shower	
				<u> </u>	clear	<u> </u>	overcast	drizzle	shower	
		<u> </u>		-	clear	, ,	overcast	drizzle	shower	
*				<del> </del>	clear		overcast	drizzle	shower	
END					clear		overcast	drizzle	shower	
END Habitat On	-site (circle)	nomen soils c	tilltops, ridges	e rockatifa	clear	r patchy Hsts clay soil	overcast	drizzle various se	shower	<u> </u>
Hubitat C.,	-310 (011010)	i. Open some	· · · · · · · · · · · · · · · · · · ·	3, 10011-0010	DP3 COLL C.	Joio, Glay Con	S, ORLINGE	, various iss	ZULGI SCHAPEC	53
····		Butterfly	/ Species				Tally		Total	ı
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
· ·		Salvia colon Vaina
POMANT -		Manzanita
		Erodium
		PlanabaTrys
		Plaja boTrys CrypToutha
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		endro
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TOTAL NUMI	BER OF QCB DET	rected: individuals

		_		Field Da	ita Sheet				
Recorder:	Dale	Pawell	Add'l	Person:	Lovie (	Connolly	Date:	4/2	10/10
Project:	Manzar	nita Wind Ene	ergy Project	Map #	#:2	<u> </u>	Survey	/ Sxn:	im po Q
GPS Unit :			3		QCB Proto	ocol Survey#	3_	of	5 .
TIME (2		Temp (F°):	Wind (avg/max)	% CC		-	Sky		
START	9:50	640	416	0	Çlea	patchy	overcast	drizzle	shower
	10:45	660	416		clear	patchy	overcast	drizzle	shower
	, , ,				clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
END	,				clear		overcast	drizzle	shower
Habitat On	-site (circle)	open soils,	hilltops, ridges	s, rock outcr	ops, soil cn	usts, clay soils	s, old roads	various ne	ctar sources
			Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
***		1 alania
AUG. V		Placia bat by K
	***	Plagia bat by K Cryptantha
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DP#LO]	Point	San Diego Horned Cizard
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TOTAL NUMI	BER OF QCB DE	TECTED: INDIVIDUALS

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Recorder: Dale Panell Add'l Person: Louis Connolly Date: 4/20/10									
Project:Manzanita Wind Energy Project Map #:						25	Survey	/ Sxn: <u>Co</u>	mps R
GPS Unit :								5 .	
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	- Artista		Sky			
START	11:00	66	4/6		<cl>clea</cl>	> patchy	overcast	drizzle	shower
	1320	66	7/10	0	Clea	_	overcast	drizzle	shower
	.,		(		clear		overcast	drizzle	shower
					clear		overcast	drizzle	shower
					clear	• •	overcast	drizzle	shower
					clear		overcast	drizzle	shower
END					clear		overcast	drizzle	shower
	-site (circle)	: øpen solle:	filltops, ridges	s. reck outc	<u> </u>				V/**
	(,	· CF		, (3.1.)	p - , - <u>C</u>		,		
		Butterfly	/ Species				Tally -		Total
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Mo	rble					Will			6
Pale Swellas Tail									į į
Sothern Blue						1			. 1
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
-		Crypthoutha
		Planakatans
		Crypthontha Plazis batays Nemaphalia Lasthenia
		Lasthenia
***		athre
·	A. W. C. C. C. C. C. C. C. C. C. C. C. C. C.	
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V 2011		
DAHLOD	Point	San Drigo Horned Lizard
-0:00	0 101	
DPEPOI	Exclude Polygon	Net enough area (My own polygon)
·		
TOTAL NUM	BER OF QCB DE	TECTED: () INDIVIDUALS
	DETAIL MODIFIE	

Recorder:_		Pewell	Add'l	Person:\	<u>aire</u> C	ounally	Date:	4/20	10
Project:	Manzar	ှာ uta Wind End	ergy Project	Map #	t		Surve	, , , , , , , , , , , , , , , , , , , ,	mpoR
GPS Unit:		1	3		QCB Proto	ocol Survey	#3_	of	5 .
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		-
START	1200	670	8/11	10	g ear	oatchy)	overcast	drizzle	shower
	1615	620	9/14	to	clear	_	overcast	drizzie	shower
:					clear		overcast	drizzle	shower
					clear		overcast	drizzle	shower
					clear		overcast	drizzle	shower
	· .				clear		overcast	drizzle	shower
END					clear		overcast	drizzle	shower
Habitat On-	-site (circle)	: open soils,	hilltops, ridges	, rock outcre		usts, clay so	ls, old roads	Marious ne	ectar sources
		Butterfly	Species				Tally		Total
Pain	tol la	J. y				1			1
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		LasThenia
		Evadium
		Caryptantha
		Plasia betrus
		Manzanta
		intan same
		others
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TOTAL NUM	BER OF QCB DE	TECTED: INDIVIDUALS

Recorder:	ale Por	well	Add'l Person:	Mike	Carriger	Date:	4/23	10
Project:	Campo Wind E	nergy Project	Мар	#:	0	Survey S	xn: <u>( سځ</u>	10 Co + 1-1
GPS Unit :		<u> </u>		QCB Pro	tocol Survey	#3_	of	5 .
TIME (24-hou			ax) % CC			Sky		
START \ )	50 58	7/	10 10	°cle		overcast	drizzle	shower
	720 6	3 8	10 10	cle		overcast	drizzle	shower
	305 65	1 7	10 15	cle	7	overcast	drizzle	shower
16	, 25 60	<u> </u>	10 10	cle		overcast	drizzle	shower
				cle	ar patchy	overcast	drizzle	shower
				cle	ar patchy	overcast	drizzle	shower
END			<u> </u>	cle		overcast	drizzle	shower
Habitat On-site	(circle): open s	soils, hilltops,	kidges, rock o	utcrops, soil c	rusts, clay so	old roads	various ne	ctar sources
<u> </u>	Dut	tarily Chaoia				Tally	***************************************	Total
<u> </u>	∩ t	tterfly Specie	S		<u> </u>	Tally		Total
Herron	4710c							
1) 10c	) 				I N			<u> </u>
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Rolain	Metaly	, h/			19			
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		Laria
-		Plana barbyons
		Cryptontha
		- Lobinos
		Larthania
		Eredium.
		Escholzia
		Dichlostomma
		·
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	- Anath	
TOTAL NUM	BER OF QCB DET	TECTED: O INDIVIDUALS

Page 2 of 2

Recorder:	DANIOK	- FAUIVNER	Add'l	Person:	osh Paipa		Date:	23 APA	2010
Project:	Campo	Wind Energy	Project	Map #: _	21,17	<del></del>	_ Survey Sxn	CAMPE	<u> </u>
GPS Unit	12				QCB Proto	ocol Survey#	3	of	<u>5</u> .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	1100	59	ય	Ø	clear	patchy	overcast	drizzle	shower
	1200	60	6	Ø	Clear	<b>)</b> patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
	1				clear	, <del></del>	overcast	drizzle	shower
					clear	•	overcast	drizzle	shower
					clear	<del></del>	overcast	drizzle	shower
END	1300	61	9	Ø	Clear		overcast	drizzle	shower
Habitat On	i-site (circle)	i apen solis,	(illitops) rage:	SCIOCK OUIC	1009, SOII CIT	usis, ciay soi	ls, <b>old roads</b> ) v	anoustied	nar sources
		Butterfly	Species				Tally		Total
Euch	lee h. Lett	А							1
A. S.	ara								<u> </u>
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
#21		Sugar Bush
		Sugar Bish Cryptantha Amsinikia Gold Lacds Bins Dicks.
		Amsinkia
		Gold Lacds
		Bine Dicks.
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TOTAL MILLS		EOTED AND ADDIAGO
TOTAL NUME	BER OF QCB DET	ECTED:   MDIVIDUALS

Recorder:	C. WAC.	K. FAUIK	Nor Add'l	Person:	Josh DAT	pa	Date: _	23 Apr	GL 2010
Project: _	Campo	Wind Energy	Project	Map #: _	18		Survey Sx	in:	
GPS Unit	#2			ş 5	QCB Protoc	ol Survey#_	3	of	5 .
TIME (	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky	-	
START	1300	6i°	9	\$	clear	patchy	overcast	drizzle	shower
	1400	62	S	10	clear	patchy	overcast	drizzle	shower
-740	1500	65	3	50	clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
			18		clear	(patchy	overcast	drizzle	shower
END	1600	Cil	ц	40	clear	oatchy)	overcast	drizzle	shower
Habitat Or	n-site (circle	copen soils,	hilltops, vidges	Sock outc	rops soil crus	ts, clay soils	old roads	various e	ctarsources
Γ		Butterfly	Species				Tally		Total
PACM	1071								10+
A. Vi	wulti							21222	154
Er-m	nis SD.		194	7.				8	4
V. W	102.000		94					-	
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
# 18		Coypton Our.
		Collersia (in flower)
		goldfields baby blue eyes
		Composites (white (yellow)
		Butterense
		Buttercups. Ceanoiteus
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TOTAL NUM	BER OF QCB DET	TECTED: Ø INDIVIDUALS

Page \_\_\_\_\_\_ of \_\_\_\_\_

Recorder:_	MIKE	COUFFER	Add'l	Person:	NON	E_		Date:	73 APC	214,2010
Project:	Campo	Wind Energ	y Project	Map #: _	Tiles 1	+5	s	urvey Sx	kn: <u>CAMP</u>	A o'
GPS Unit :	_GAQ	Min 7	-		_ QCB Proto	ocol Sur	vey #	3	of	<u>5</u> .
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC				Sky		
START	1045	9	2 > 7 mpH	CLEAR	clear	nat pat	chy o	vercast	drizzle	shower
	1100	œ١	236	CLEAR	clear	pat	chy o	vercast	drizzle	shower
	1200	63	3-77		cleai	pat	chy o	vercast	drizzle	shower
	1300	59	3→7		clear	pate	chy o	vercast	drizzle	shower
	1400	Gl	4-99	CLUAR	clear		chy o	vercast	drizzle	shower
	- (4)5	59	4->9 mo4	CLEAR	clear	pate	chy o	vercast	drizzle	shower
END					clear			vercast	drizzle	shower
Habitat On-	-site (circle):	open soils	hilltopsgridges	rock outc	rops, soil cr	usts, cla	y soils, <b>ຜ</b>	d roads	gvarious nec	ctar sources
В		Butterfly	y Species				-	Tally		Total
-	METALM					1N F	FLELD NO			ス
_	BLUE	12-1					''			12
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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TOTAL NILLA		TECTED: INDIVIDUALS
TOTAL NUM	BER OF QCB DET	IECTEDINDIVIDUALS

Page <u>2</u> of <u>2</u>

Tield Data Si		
Recorder: Bonnie Hendricks Add'l Person: Luis	Connolly Date: 4/23	10
Project: Campo Wind Energy Project Map #:		40 F
GPS Unit: Garmin 10 QCB	Protocol Survey#of	
TIME (24-hour) Temp (F°); (avg/max) % CC	Sky	
START //255 59.5 4.3/812	clear patchy overcast drizzle	shower
(:70 62 . 4,3/12.1 0	clear patchy overcast drizzle	shower
2:15 65.3 26/49 0	clear patchy overcast drizzle	shower
ELO 3/10/6/10/10/10/10/10/10/10/10/10/10/10/10/10/	clear) patchy overcast drizzle	shower
ENU 4:13 3/0 9.1/6:1 180 3	clear patchy overcast drizzle	shower
END	clear patchy overcast drizzle  clear patchy overcast drizzle	shower
Habitat On-site (circle): open soils, hilltops, ridges, rock outcrops, s		
Butterfly Species	Tally	Total
Behrs Motalmark	UH III	18
Para Dagina hay though	17'''	1
Man Blad I who to	1,	1
Part	1	1
runted Lady		2
Blue tristis		
Blue ristis	<del>/-</del>	
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Page 1 of 2

MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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		Cristant la sas
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		Carl or as any het. Coarothus (um
		Paul Sachaltzia amsindaia
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TOTAL NUME	BER OF QCB DE	TECTED: O INDIVIDUALS

Page 2 of 2

Recorder:	Dale	Pow	2.[[ Add']	Person:	Louis	Councily	Date: _	4/24	10
Project: _	Campo	Wind Energy	Project	Map#:_	16		Survey Sx	n: <u>Com</u>	oHt
GPS Unit		10			QCB Proto	ocol Survey #	3	of	5
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	8:35	630	0/0	0	ciea	patchy	overcast	drizzle	shower
	24.45	680	13	0	clea	patchy	overcast	drizzle	shower
	11.30	770	3/6		Clear	patchy	overcast	drizzle	shower
	1315	770	4/6	0	Clear	patchy	overcast	drizzle	shower
					clear	r patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
END				·	clear		overcast	drizzle	shower
Habitat On	-site (circle):	open soils,	hilltops; ridge:	s, rock outc	rops, soil cri	usts clay soils	, old roads	various nec	tar sources
	<del> </del>								T _ :-
		Butterfly	Species				Tally		Total
Ho	uen Bli	) Q				M II	·		<u></u>
Fin	leven	Duskyu				HT I			6
	J6 J	30,000	9139			APT 1	111		9
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1 2	hv5 Ma	- 1	jatt.	I was Wia u	استان تهمهن دو	Het Het	îtr 111+ 11	H (HT 14+1	65
<u> </u>	1647	- i accordin	140	per (vic A	ior par year	]	A HALL A	THE THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF T	]
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		Evadium
		lastheria
		lação
		Learning
		Eschesbolzia
		Descoulaia
		MarzaniTa
	,	Phacetia (2trus)
		Salvia columbavion
		Plageobothyres
		Crystantha
		(genothy's
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		Amsincetia
		Arabis
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DPC561	Paint	Curlenthus stunding
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DPHLOI	Parat	Son Diezo Marnod Lizand
DP HL 02	. 1	u

TOTAL NUMBER OF QCB DETECTED: \_\_\_\_\_ INDIVIDUALS

Page 2 of 1

Recorder:	Dale	Pawell	Add'l	Person: L	OUIS CO	u ao II,	Date: _	4/2	y ho
Project:	Campo	Wind Energy	Project	Map #: _	21	<del>\</del>	Survey Sx	n:	
GPS Unit:			<u> </u>		QCB Proto	col Survey#		of	5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		·
START	1340	790	3/5		clear	patchy	overcast	drizzle	shower
	1540	750	4/6	0	Clear	patchy	overcast	drizzle	shower
		9	70		clear	patchy	overcast	drizzle	shower
	·				clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	· · · · ·	overcast	drizzle	shower
END					clear		overcast	drizzle	shower
	-site (circle)	open solisc	hilltops, ridge	s rock outer					
riabitat On	i dito (dirdio)	. aport ogno,	imis po, Alago	J, I COK OUTO	<u>ops</u> , co., c.	icto, diay conc	, 0,0,000	/ T CA TO 11 C	
		Butterfly	Species				Tally		Total
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	capano						611		7
gira	S Orga	agol co				WI WI			13
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		Erodium
		Lasthenia
		1
-		Lopinos
		Eschoscholzia .
·	·	Description
		Man-zanita Phacelia
		Salvia calumbaria
		Plagio bothyvas
		Cyptontha
		Comothus
		DichlosTemmo
		Amsinchia
		Arabis
	,	
DR CHOI	Point	Chinese Houses
	, OW	- William I am a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a market and a m
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TOTAL NILINAL	BER OF QCB DET	ECTED: INDIVIDUALS

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Recorder:_	Mike	COUFFE	25 Add'l	Person:	_0	<u></u>	Date:	Z4 AP	RIL, 2010
Project:	Campo	Wind Energ	v Project	Мар #: _	TILE	17)	_ Survey Sx	in: <u>CAM</u>	PO G
GPS Unit:	GAN	Min Z			QCB Prot	ocol Survey#	_3	of	5
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START					clea	r patchy	overcast	drizzie	shower
1518		73	Z-XOMPH	CLEAR	Clea	_	overcast	drizzle	shower
1600		73	1->5mPH	CLEAR	clea	_	overcast	drizzie	shower
1623		73	1->3 MAH	CLEAR	clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzie	shower
END					clea	r patchy	overcast	drizzle	
Habitat On-	-site (circle)	open soils,	hilltops, ridges	rock outc	rops, soil cr	usts, clay soils	s, old roads	various ne	ctar sources
			/ Species				Tally		Total
CALIFOR	AM AIG	RBLE				PALLY IN F	iem Note	30015	8
BEHRS	METAL	MARK					()		40
PAINTE	O LADU						111		3
SOUTH	ERN B	LUE					΄u		2
PERPLE	AH DNÍX	IRSTREAK					r)		72
WEST	COAST	LADY					11		ス
SPRIN	6 WHIT	<u> </u>	·				18		ス
	_	SWALLOW	TAIL				11		3
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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TOTAL NUM	BER OF QCB DET	TECTED: NDIVIDUALS

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Recorder:	(V)IKE	COUFFE	e Add'l	Person:		>	Date:	24 APG	21L, 2010
Project:	Campo	Wind Energ	y Project	Map #: _	TILE	11	_ Survey Sx	n: <u>CAY</u>	APO C
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% cc			Ci		<u> </u>
START	1240	70	2-79 MPH	CLEAR	Clea	, Destabli	Sky		
	1300	77	Ø->4 MPH	CLEAR	Clea		overcast	drizzie	shower
	1320	82	Ø->3mPH	CLEAR	clea		overcast	drizzle	shower
	1400	77	Ø-72 MPH	CLEAR	clea		overcast	drizzle	shower
	1500	73	1->9 meH	CLEAR	clea	*	overcast overcast	drizzle	shower
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END					clea	r natchy	0.40.404	alulus I s	shower
Habitat On-	site (circle)	open soils	hilltops ridges	, rock outer	ops, soil cr	usts, clay soil	old roads	various ne	shower
							*		olar codroco
			y Species				Tally		Total
CALIFO	RNIA M	ARBLE				TAUVIN	FIELD NO	TERME	9
		TOULDAW					11	1,0001	1
		LMARK					()		84
	E SULPI		_				11		1
_		Airstre	2K				C		6
FUNER	AL Dust	<u>-ปหโพนูร</u>					4		5
QUIN	CHE	KERSP	OF BUTT	TERFILL	5		11	-	1
PAINTE	O LAP	y >					11		L
BROWN	V ELFIR	4					1		
SARA	ORANGE	TIP					()		
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
MCQB07	Point	BAOLYS WORN INDIVIDUAL ON OLD ROAD.
•		(NAD 83) 115 0560710, 3617216
MCHLII	POINT	
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TOTAL NUM	BER OF QCB DE	TECTED: (1) INDIVIDUALS

Page Z of Z

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Recorder:	Mike	COUFFE	Add'l	Person:		>_		Date:	24 AP	211, 2010
						TILE 19 Survey Sxn: CAMP O				
GPS Unit	- GARN	11n Z			QCB Prot	tocol	Survey#	3	of	5 .
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC				Sky		<u> </u>
START	0900	66	0	CLEAR	etea	ir)	patchy	overcast	drizzle	shower
	1000	70	8	CLEAR	Clea	<b></b>	patchy	overcast	drizzle	shower
	1100	73	6->3meH	CLEAR	clea		patchy	overcast	drizzle	shower
	1200	7/	Ø->3	CLEAR	clea	2	patchy	overcast	drizzle	shower
	1210	7/	0-23	CLEAR	clea	D _	patchy	overcast	drizzie	shower
					clea	r	patchy	overcast	drizzle	shower
END Habitat On	cito (cirolo)	Conon coile	hilliann sistem		clea	r	patchy	overcast	drizzle	shower
Habitat OH	-site (Circle)	Coperi solis,	hilltops, ridges	t rock outer	ops) soil cr	usts,	clay soils	Old roads	various ne	ctar sources
		Butterfl	y Species					Tally		Total
CALIFORN	ia Mars	LE				7	ALLY IN F	LELD NOTE	80K	6
Acmon	BIVE							11		7
PERPLE	XING HA	instreak						tt.		9
	HEAD BLU							EC.		2
	METALM					٠(				100
_	ERN BLU					1,				3
FUNERE	AL DUSK	NWING				· · ·				4
PAINTE	D LAOV					11				1
Common	1 <u>5007yw</u> 1	NG (PH	OLISORA CA	TULLUS)		*4				20
	STINU &					H .				ん
	<u>κος Συι</u>					, ((				1
ORANG	E SULPH	UR (ALFI	ALFA BUTTER	೯೪೧)		11			1	
			· · · · · · · · · · · · · · · · · · ·							
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
MCB201	Point	
MC LA 67	POINT	
Mcwwol	POINT	
		·
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TOTAL NUME	BER OF QCB DE	TECTED: INDIVIDUALS
		Page <u>2</u> of <u>2</u>

Field Data Sheet										
Recorder:	MIKE	Person:	Ø			Date: 25 APRIL, 2010				
Project: Campo Wind Energy Project Map #: MAP Tile 11 Survey Sxn:						kn: Cami	20 6			
GPS Unit: GARMIN 1					QCB Proto	ocoł Su	rvey#_	3	of	5
		1	1042 - 4	1				<u> </u>		
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC				Sky		
START	1150	80	Ø->4MPH	CLEAR	Clear	pa	tchy	overcast	drizzle	shower
	1200	80	0->4 MPH		Clear		tchy	overcast	drizzle	shower
	1300	85	Ø->/m9H	CLEAR	clear	•	tchy	overcast	drizzle	shower
	1400	78	Ø->4 MPH	CLEAR	ctear	· ·	tchy	overcast	drizzle	shower
	1500	<i>7</i> 5	BYMF FCE	CLEAR	Clear		tchy	overcast	drizzle	shower
	1515	75	H9m FeE	CLEAR	Clear	) pat	tchy	overcast	drizzle	shower
END					clear	pat	tchy	overcast	drizzle	
Habitat On	-site (circle)	open soils	hilltops\ridges	rock outcr	ops, soil cru	usts, cla	y soils¢	old roads	various nec	tar sources
				*.						
<u> </u>	^-		y Species					Tally		Total
13EHRS	METALL	DACK				FALLY IN FIELD NOTEBOOK			105	
CALLEDO	win Ma	COLF					L	1.1		

Butterfly Species	Tally	T-4-1
BEHR'S METALMARK	TALLY IN FIELD NOTEBOOK	Total
CALIFORNIA MARBLE	THEY IN FIELD NOTEBOOK	105
PERPLEXING HAIRSTREAK	- 11	8
PAINTED LADY)	Lą ·	29
FUNEREAL DUSKYWING	Nr.	<del></del>
PALE TIGER SWALLOWTAIL	"	_5_
		_3
SOUTHERN BLUE	- 11	4
SARA ORANGETIP	11	_5_
ORANGE SULPHUR	Lį	1
SPRING WHITE	11	R
	·	

MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
MCLA NESTING	Point	HORNED LARK CHASING OFF OTHER BIRDS IN THE AREA.
MCLAOB	POINT	NEST ASSUMED TO BE IN THE VICINITY OF THIS POINT.
MCLAOX	Point	
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19		
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	<u>.</u>	
w	BER OF QCB DE	TECTED: O INDIVIDUALS

Page Z of Z

	- 00	_			ata Sheet				
Recorder:	Mike	COUFF	EC Add'l	Person:			Date:	Z5AF	PRIL 7010
Project: _	Campo	Wind Energ	ıv Project	Map #: _	TILE	12	Survey S	xn: <u>CAm</u>	PO G
GPS Unit	GAR	min 1			QCB Prof	ocol Sun	/ey#3_	of	5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			-19		
START	0830	76	05	CLEAR			Sky		<u> </u>
	0900	74	Ø->1 mp4	CLEAR	Clea	×		drizzle	shower
	1000	77	Ø-> 1 mPH		cfea	<del></del>		drizzle	shower
	1100	78	Ø>3mPH		clea	<del></del>		drizzle	shower
	1130	79	Ø-> Zmeh	CLEAR	clea	7		drizzle	shower
		1	, , , , , , , , , , , , , , , , , , , ,	CCCPXC	clea			drizzie	shower .
END								drizzle	shower
Habitat On	-site (circle)	open soils.	hilltops ridges	Mock outer	clea	r patc	hy overcast soils old roads	drizzle	shower
				ALGON GONON	OP37 3011 CI	usis, clay	solis, old roads	various ne	ctar sources
			/ Species				Tally		Total
CALIFO	M AINSK	PAZRLE_				INFI	ELO NOTEBOO	ماد	6
FUNER	EAL DU	รหวุนก็ฟ	<u>6-</u>				11		5
		UE					b,		ス
		AIRSTRE/					н		40
<u>BEHR'S</u>	METAL	MARK							114
		<b>E</b>				44			
	O LADY				£ \$				5
							11		2
		ATWOLLA					11		1
		}				<u></u> .			1
Hemo	ON BLUI	<u> </u>	<u></u>				11		2
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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TOTAL NUMI	BER OF QCB DET	FECTED: INDIVIDUALS

Recorder:	Dale	Powe	Mdd'I	Person: L	21002	anually	Date:	4/25	10
Project:	Campo		y Project			(		-	pat
GPS Unit :		10			QCB Prot	ocol Survey	#3	of	5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	1215	792	3/5	0	cléa	patchy	overcast	drizzle	shower
	1411)	マネン	517	0	clea	patchy	overcast	drizzle	shower
	1615	770	3/6	_ 0	Clea	patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
	***				ciea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
END			1.293	***************************************	clea		overcast	drizzle	shower
Habitat On	-site (circle)	copen sons,	hilltops_ridges	COCK OUTC	rops soil cr	usts, elay so	is, old roads	various ne	ectar sources
		Butterfly	/ Species	-			Tally		Total
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	racedon	<u> </u>					٠	-	\ \
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		LoTus scapanus
		Phacelia (2Tyres)
		tschschdzia
		Cryptoutha
		Plagiobethyris
		Monzonita
		Carmothus
		Oich losteming
		Tradina
·		layia
		Posstamas
		(UPINUS (3types)
		Call Re & Robert
		Costilled & Grudian Hamilton
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DOHLOI	Point	Son Diego Harnel Lizard
DAMPOL	4014	- Jan Diedo Hannah First
<u>,</u>		
DPC301	POINT	Covanthus simulars
(5)	)t	11
67	l <sub>l</sub>	11
TOTAL NILINA		
TOTAL NUM	BER OF QCB DET	INDIVIDUALS

Page 1 of 2

Recorder:	Dale	Po	well Add'l	Person: L	ours (	Conrally	Date: _	4/2	5/10
Project:	Campo		y Project						
GPS Unit :		0		V 100	QCB Proto	ocol Survey#	3	of	5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	8:40	600		0	Clea	D patchy	overcast	drizzie	shower
	10:10	740	375	0	Clear		overcast	drìzzle	shower
	11.05	76°	415	0	<cl>clear</cl>	patchy	overcast	drizzle	shower
	,,	•		•	clear	r patchy	overcast	drizzle	shower
					clear		overcast	drizzle	shower
					clear	, , , , , , , , , , , , , , , , , , ,	overcast	drizzle	shower
END					clear	patchy	overcast	drizzle	shower
Habitat On	-site (circle):	open soits,	hilltops, ridges	s, rock outer					ctar sources
			/ Species				Tally		Total
Paint	of lad	14				LAM			5
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		Costellya sp. (Indian Paint brish)
		Playla Wathynus
		lasthania
		Crustantha
		Evadium
		Araphis
		Evicameria
	· ·	Amous Ku
		Caenothis
		Manzanta
		Namaphilia
		Lagra
		Phacelia
	·	Salvia columbarios
	·	·
	·	
D68201	Pont	Black Filled Jack Ratobit
TOTAL NUMI	BER OF QCB DET	rected: individuals

Page 2 of 2

			Quino Chec		utterfly Protoc ata Sheet	ol Survey		*		
Recorder:	Natalie	Brodie	Add'l	Person: P	Millip Pa	i Dá	Date: .	26 A.	on 2010	)
			y Project							
GPS Unit :	SM 1	3	· · · · · · · · · · · · · · · · · · ·		QCB Protoco	I Survey#	3	of	5 .	
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky	٠		
START	0930	400169	calm	Ø	clear	patchy	overcast	drizzle	shower	
	1030	72°	calm	6	clear	patchy	overcast	drizzle	shower	
	1130	760	2/4	6	clear	patchy	overcast	drizzle	shower	
	1235	75°	calm	6	clear	patchy	overcast	drizzle	shower	
	1340	760	calm	Ø	clear	patchy	overcast	drizzle	shower	
					clear	patchy	overcast	drizzle	shower	
END	1520	74"	Calm	Ø,	clear	patchy	overcast	drizzle	shower	
Habitat On	-site (circle)	open soils	hilltopstridges	s Srock outcr	ops, soil crusts	s, clay soils	old roads?	various ne	ectar sources	>
8	Butterfly Species						Tally		Total	
	Marbl				<b>进程规划</b>			160	*	
Perplexing Hairstreak						HAN IN THE			17	
		nlmark		THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE S		echimina)	HWW.H	55		
Sout	hern	blue	4	E. 1844 A. A. A. A. A. A. A. A. A. A. A. A. A.	1			92 20	1	
Acin	non M	:0		ini	9			4		

Butterfly Species	Tally	Total
CA Marble	HIT HIT HIS ISI	16
Perplexing Hairstreak Benrs Metalmark	DAT YOU WATE	17
Ben's Hetalmark	IN WHILE THE THE WEST HE WE THE WEST SHE THE	55
Southern blue		1
Acmon blue	1/11	4
Brown elfin		1
Anise swallowail	11	2
Sara orangetip	My III	9
Painted lady	Щ	5
Funcial Duskywing	[1]	4
unidentified suffer		2
· · · · · · · · · · · · · · · · · · ·		
		10 200 Pr
		-

goldfields, Depton flower, grandpink NEHLOZ NEHOI NECHOI NECHOI NECHOI NECHOZ Ollingia concolor 20 individuals 213 m m (collingia concolor, 1806 individuals (100+) NECHOZ Ollingia concolor, 100+ individuals 577m	MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
NBHLOZ  NBHLOZ  Horned Lizard  Horned Lizard  Collingia concolor, ~20 individuals 2×3 m an  NBCHOZ  Collingia concolor, Book individuals (100+)			goldfields, popcorn flower, around pink
NBHLOZ  Horned Lizard  Collingia concolor, ~20 individuals 2×3 m an  NBCHOZ  Collingia concolor, Book individuals (100+)	NBHLDI	print	Horned Lizard
NBCHOI Collingia concolor, 20 individuals 2x3 m an NBCHOZ Collingia concolor, Box individuals (100+)			Horned Lizard
NBCHOZ Collinsia concolor, Bot individuals (100+)			
			Collinsia concolor, Box individuals (100+)
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	•		
TOTAL NUMBER OF QCB DETECTED: INDIVIDUALS			TECTED: Ø INDIVIDUALS

Page  $\frac{2}{}$  of  $\frac{2}{}$ 

Recorder:	Dale	Par	ı <u>c∭</u> Add'l	Person:	30 l	Willey	Date:	4/26	40
Project:	Campo		y Project	Map #: _		13 1	Survey S	xn: <u>Cam</u>	po Q
GPS Unit	·				QCB Prote	ocol Survey#	3	of	5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		,
START	8:30	740	0/0	Q	Clea	patchy	overcast	drizzle	shower
	10:25	780	4.7	$\bigcirc$	Clea	patchy	overcast	drizzle	shower
	11:30	05	<u> </u>	0	Clea		overcast	drizzle	shower
					clear		overcast	drizzle	shower
	,				clea		overcast	drizzle drizzle	shower
END					clear	<u> </u>	overcast	drizzie drizzle	shower shower
	-site (circle):	open soils,	hilitops, ridges	s, teck outer		usts, clay soils	old roads.	Various ne	ctar sources
	1	Butterfly	Species				Tally		Total
Save	a's Or	syc fo				# 111	Afr ar	H1 111	28
Bohr	5 Mci.	almost	1 111	H1 4	1 14			14 14 M	56
Acu	non Blo		. >()			ind			Ч
	76.5					TH 101			9
	عاماء					1/1 IV			8
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101	rplexing	11611511	- CON			1.75			7
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		Eradion
		lagia
		Lasthenia
		lupinu
		Mananita
•	:	Pensteman
		Crypthantha
		Plagabothyrus
		Plagishathyrus
		Nonophilia
		Dichlostenma
		Carnothus
		Phacetia
	·	Castollia
		J
-		
	BER OF QCB DE	TECTED: (1) INDIVIDUAL

Page 2 of 2

Recorder:	David 6	FAU IKALENT	Add'l	Person:	Josiu	la .	Date:	26 AP	AL 2010
Project:	Campo	Wind Energy	/ Project	_ Map #: _	8	6	Survey Sx	n: <u>F</u>	(no D)
GPS Unit :			Search a season than 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11 and 11						
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC		8	Sky		*
START	1400	87°	2 mph	5	clear	r (patchy)	overcast	drizzle	shower
	1500	80°	ف	5	clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
		3			clear	patchy	overcast	drizzle	shower
					clear	r patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
END	1660	750	5	>5%	clear	patchy	overcast	drizzle	shower
Habitat On			hilltops, ridges					various ne	
					- 55°				
		Butterfly	Species				Tally		Total
1000 1:	1 1 - M.	1			*				
C13 CC	A di	· <del>)</del> .	a .			200			
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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		Constantion Constantion good Siedds
		26/2026
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1 200		
TOTAL NUMI	BER OF QCB DET	TECTED: Ø INDIVIDUALS

Recorder:	Disvero i	C. FAUIKNY	Add'l	Person:	1054		Date:	26 APR:	L 2010
Project:	Campo	Wind Energy	/ Project	Map #: .	15		_ Survey S	xn: <u>Сан</u> ф	0-K
GPS Unit	#9				_ QCB Proto	ocol Survey#	3	of	5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC	,		Sky		
START	0900	<sup>ገ</sup> ት5 <sup>©</sup>	Ø	Ø	cléai	patchy	overcast	drizzle	shower
	1000	7-70	Dugh	Ø	Clea	patchy	overcast	drizzle	shower
					clear	r patchy	overcast	drizzle	shower
					clear	r patchy	overcast	drizzle	shower
					clear	r patchy	overcast	drizzle	shower
					clear	r patchy	overcast	drizzle	shower
END	1100	79°	Huph militops ridges		clear	r patchy	overcast	drizzle	shower
Habitat On	-site (circle)	open soils?	militops ridges	s, reck outc	rops) soil cri	usts, clay soi	s, old roads	, various ne	ectar sources
		Butterfly	Species		·		Tally		Total
V, CA	rdui								2_
A.S	trA								2_
E. pn	sportius								3
									4
S. hi	1								1
					:				2
i E		. ((	Huecler sp	$\overline{}$					2
	LOW			<del>'/</del>					7
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بالم ک	meralis								3
		<u>a_</u>							1
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
15		Blue dicks
		Cone Stank
		Ceanothers
		Conothers goldfields
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TOTAL NUM	BER OF QCB DET	TECTED: Ø INDIVIDUALS

Recorder:	DAV.DI	K. FAUIKU	<u>√</u> Add'l	Person:	Josh	Α	Date:	26 Apr	1 2410
Project: Campo Wind Energy Project Map #:									
GPS Unit	#9				QCB Proto	ocol Survey #	3_	of	<u>5</u> .
TIME (24-hour) Temp (F°): (avg/max) % CC							Sky		
START	COD	79°	4	Ø	clea	r patchy	overcast	drizzle	shower
	1200	83°	Ø	Ø	clea	r patchy	overcast	drizzle	shower
	1300	83	<u>Ø</u>	5%	. clea	r (patchy)	overcast	drizzle	shower
					clea	r patchy	overcast	drizz!e	shower
					clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
END	1400	879	2	5%	clea	patchy	overcast	drizzle	shower
END 1400 87° 2 5°6 clear (patchy) overcast drizzle shower  Habitat On-site (circle): open soits hilltops ridges, cock outcrops, soil crusts, clay soils, old roads, various nectar sources									
		Butterfly	Species				Tally	***************************************	Total
A. Sana									2_
c. p	nolexa							2	
E. Lu	meralis							2_	
-								5	
								i	
Δ .37	garans co						25+		
Pac	Julian .						3		
C. h	-dadi				*****		ì		
	•	otte						2	
608	<u> </u>		· · ·						
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (MECTAR SOURCES, GENERAL WILDLIFE LIST)					
11		Collensia					
		Goodfields					
		Ampinelia					
		Ceanothus Baby blue eyes-					
		BADY blue eyes-					
		9 '					
		· · · · · · · · · · · · · · · · · · ·					
	•						
TOTAL NUMI	BER OF QCB DE	ΓECTED: <u> </u>					

Recorder:_	order: MIKE COUFFER Add'l Person:				0		Date:	Date: <u><b>76 APRIL, 2010</b></u>		
Project:	Project: Campo Wind Energy Project Map #: _				Tile	23	_ Survey S>	kn: <u>CAM</u>	PO Q	
GPS Unit :	GAen	nin 10	)		QCB Proto	ocol Survey #	#3	of	<u>5</u> .	
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky			
START	1335	83	Ø-72m9H	CLEAR	clear	patchy	overcast	drizzle	shower	
	1400	820	0->3 mph	CLEAR	clear	-	overcast	drizzle	shower	
	1500	80	2->6 mPH	5%	ciea		overcast	drizzie	shower	
	1600	79	2->6mpH	5%	clear	patchy	overcast	drizzle	shower	
		·			clear	patchy	overcast	drizzle	shower	
					clear	patchy	overcast	drizzle	shower	
END					clear		overcast	drizzie	shower	
Habitat On-	-site (circle)	open soil	hilltop® ridges	rock outer	rops soil cr	usts) clay soi	ls, old roads	various nec	ctar sources	
		Butterfl	y Species				Tally		Total	
CALLED	M GINS					Pailv IN	FIELD NOT	ERANES	7	
						177007 111	LIECT IADI		9	
	METAL	MARK	·						170	
		Tywing					~ ~ ~		1	
	EAL DUST						· Ŋ		14	
(2)	V CHEIR	-60100 - 5	BUTTERFLY	$\overline{}$			ί		1	
Orccia	·~ 3 NO	W. T.	BUT DIO NO	- Cacià	inc m	00.000.0				
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
MCWWOC	Point	
MCQB08	POINT	MIDDLE - AGEO" (DUIND AT (NADS3) 115 0560671, 3611605
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TOTAL NUMI	BER OF QCB DE	TECTED: 1 INDIVIDUALS

Page 2 of 2

Recorder: MIKE COUFFEE Add'l Person:					Date: <u><b>26 A0</b></u>			Z6 APC	21L, 2010
Project:	Campo	Wind Energ	ıy Project	Map #: _	ONA N	7	Survey S	Sxn: <u>CAm</u> (	20 D
GPS Unit :	GAn	rwin 1	<u>0</u>		QCB Prote	ocol Survey	#_3	of	5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC		•	Sky		
START	0845	マス	1->5 mPH		clea	patchy		drizzle	shower
	0900	73	Ø->3	CLEAC	Clea	_		drizzle	shower
	1000	72	Ø->3	CLEAR	clea	`		drizzle	shower
	1100	80	0->6	CLEAR	cléa	patchy	overcast	drizzle	shower
	1130	820	Ø->2 mPH		clea		overcast	drizzle	shower
					clea	patchy	overcast	drizzle	shower
END					clear		overcast	drizzle	shower
Habitat On	-site (circle)	open soils,	nilltops ridges	s, rock outc	rops, soil cr	usts, clay s	oils old road	various ne	ctar sources
		Butterfl	y Species				Tally		Total
CALLE	ornia P	MARGLE	·			TALLY	IN FIELD	NATES	8
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	s MEF	/					M		116
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	REAL DO						N)		4
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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TOTAL NUM	BER OF QCB DET	TECTED: INDIVIDUALS

Page 2 of 2)

Quino Checkerspot Butterfly Protocol Survey Field Data Sheet  Scort  Add't Person: Bodo Stoles Date: 4/87/10									
Recorder:	S. Pin	k	250 Add'i	7.	<b>.</b>	tolles (Ke	wwy) Date:	4/27/	ÌD
Project:	Manza	LMD 6	e <del>rgy Pr</del> oject	-	#: <u>8</u> F,	88		y Sxn:	
* *	Λ	nice vvina em	CTGT PTGLAST		¥	ocol Survey#	g.		
GPS Unit					QUB PIOR	ocor Survey #	- /	0	-
TIME (24-hour) Temp (F°): (avg/max) % CC						Sky			
START	0912	~70	1-2/5	2-5	clea	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	overcast	drizzle	shower
	1080	70	2-3/1.5	3-2	clea		overcast	drizzle	shower
	11 70)	7	2-3/5	5-7	clea	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	overcast	drizzle	shower
	12-30	/3	3475	10-13	clea	The same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the sa	overcast	drizzle	shower
****				<u> </u>	clear		overcast	drizzle	shower
					clear	, , , , , , , , , , , , , , , , , , , ,	overcast	drizzle	shower
END	oito (airala)	open soils	hilltops, ridge	e rock outer	clear		overcast	drizzle	shower
nabitat Of	I-site (Circle)	. open sons,	militops, nage	s, rock outc	ора, зоп сп	usts, clay sone	, old rodd	s, variodo ricc	
		Butterfl	y Species				Tally		Total
llen	1000 Rom	0				TH			
201	is well	NUMBER				MI HILL	###		
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	L. Nam	A-					111		
di	andra (	brought	)						
the state of	1.18 M. 1.16	8 111 1				1111		•	(4-)
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)					
SPLOCOL	pt.	role Concalor (n=1)					
	ht.	rol-nortolor (n=5)					
	De.	rol. norcolor (m=10)					
	Sand Justine						
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	DED OF OCD DET	ECTED: X/ INDIVIDUALC					

Page  $\frac{1}{2}$  of  $\frac{1}{2}$ 

Field Data Sheet									
Recorder: WIKE COUFFER Add'l Person: NONE Date: 27 APRIL, 2010									
Project: Campo Wind Energy Project Map #: MAP TILE Z4 Survey Sxn: CAMPO - RO							PO-R)		
GPS Unit: GARMIN 3 QCB Protocol Survey # BU of 5						<u>5</u> .			
Wind									
TIME (2	4-hour)	Temp (F°):	(avg/max)	% CC			Sky		4 1
START	1200	8	Ø->3009H	5%	Cléar	patchy	overcast	drizzle	shower
	1300	80	49m 81 C-F	5%	clear	patchy	overcast	drizzie	shower
	1400	75	49M F 7- E	10%	clear	patchy	overcast	drizzie	shower
	1500	76	Ø-> 2 MPH	10%	clear	patchy	overcast	drizzle	shower
	1600	76	Ø-> 4 mpH	10%	clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
END	-i6- (-iI-Y				clear	patchy	overcast	drizzle	shower
nabitat On-	labitat On-site (circle) open sols, hilltops, ridges, lock outcrops, soil crusts, clay soils, old roads, various nectar sources								

Butterfly Species	7.1.	
BEHR'S METALMARK		Total
GABB'S CHECKBOSPOT	IN FIELD NOTEBOOKS	
ORANGE SULPHURS	, u	7
Acmon Blue	"	
Parties See	- C	F
PAINTED LADYD	ly.	4
CAUFORNIA MARRIE		
HENNE'S CHECKESSPOT	t \	40
FUNEREAL DUSKYWING	11	7
PALE TIGER SWALLOWTHIL	15	(3
CALIFORNIA SOOTYWING	11	<u> </u>
QUINO CHECKERSPOT BUTTERFLY)	1.1	, 2

MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
MCQB09	Point	UPPER LEFT WINGTIP MISSING (MADRE) 115 0556986, 3609928
MCHLIZ	Point	
MCQB10	POINT	BOTH WINGTIRS INTACT. (MAD 83) 115 0556 995, 3609943
MCHLIZ	Point	
MCQBII	POINT	(NAO 83) 115 0557077, 3610140
		59 NUMBERZEO POINTS ARE COLLINSIA LOCATIONS.
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TOTAL NUM	BER OF QCB DE	TECTED: 3 INDIVIDUALS

Page 7 of 7

Recorder:	Mike	COUFFE	Add'l	Person:		0	Date:	a7 AF	010 ZOIO
Project: Campo Wind Energy Project Map #:					# 2	-\	_ Survey S	xn: <u>САУУ</u> Г	PO-R
					QCB Protocol Survey# B 4 of 5				
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			01	· · · · · · · · · · · · · · · · · · ·	
START	0818	구2	(avg/max)	CLEAR	clea	patchy	Sky	drizzle	
	0900	73	Ø⇒2	CLEAR	clea		overcast overcast	drizzle	shower shower
	1000	76	1>5	CLEAR	clea		overcast	drizzle	shower
	1100	77	Ø->3	CLEAR	clea		overcast	drizzle	shower
					clea		overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
END					clea	rpatchy	overcast	drizzle	_shower
Habitat On	-site (circle)	: open softs)	hilltopsSridge	Tock outcr	ops, soil cr	usts, clay soils	old roads	various ne	ctar sources
			/ Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
NONE		-
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TOTAL NUMBER		FECTED: (NIDN/IDLIAL C
TOTAL NUMI	BER OF QCB DET	TECTED: INDIVIDUALS

Page  $\overline{A}$  of  $\overline{A}$ 

Recorder:_	Dale	Pawel	Add'l	Person:	Philip	Paipa	Date:	4/27	10
Project:	Project: Campo Wind Energy Project Map #: 23						_ Survey Sx	kn: <u>Ča</u>	pr Or
GPS Unit:		· magaz			QCB Proto	ocol Survey #	#	<u> </u>	5
Wind							Sky	مامسام	ah awar
START	11'10	770	2/1	<u>~</u>	clea		overcast	drizzle drizzle	shower
	11(1)	77	2/8	(	clear		overcast overcast	drizzle	shower
				<u> </u>	clear	······································	overcast	drizzle	shower
					clear		overcast	drizzle	shower
					clear		overcast	drizzle	shower
END					clear		overcast	drizzie	shower
	-site (circle)	:open soils	hilltops; ridge:	s Fock outc					
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST
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		Manzanta
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		Penstemon
		Nomanhilia
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		Play is bothyru
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Page 2 of 2

Recorder:_	Dale	Powel	Add'l	Person:	Phillip	Paire	Date	: 4/25	7/10	
Project:	Campo	Wind Energy	/ Project	Map #: _	2	<b>-</b>	Survey	Sxn: <u>Ca</u>	PR	
GPS Unit :					QCB Prot	ocol Survey	#	<u>U</u> of	5	
TIME (24-hour) Temp (F°): (avg/max) % CC Sky										
START	11:40	740	_5/7 <del>_</del> _	0	Cléa		overcast	drizzle	shower	
	13:45	720	6/9	$\bigcirc$	Clea CLVV V Clea	patchy_	overcast	drizzle	shower	
	15 56	570	518	9	CNI O Clea	r patchy	overcast	drizzle	shower	
	1500	T 2	T110				overcast	drizzle	shower	
					clea		overcast overcast	drizzle drizzle	shower	
END					clea		overcast	drizzle	shower	
11	-site (circle):	open soils.	hilltops, ridge	. rock outc				ls, various nec		rces
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		Butterfly	Species		·		Tally		To	tal
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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		Evedion
		Manzanita
		Callinsia
		Parstimon
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Page <u>2</u> of <u>2</u>

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Recorder:_	Maro	ic Mulli	gan Add'i	Person:	Evin Be	rgman	Date:	4.27	2010
			y Project						
GPS Unit:			V 2 17 20 12 12 12 12 12 12 12 12 12 12 12 12 12			ocol Survey#			
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	0920	670	0-4	1%	clea	r patchy	overcast	drizzle	shower
	1200	78	4-8	10 %	Clea	r) patchy	overcast	drizzle	shower
	1515	78	26	20%	clea	r (patchy)	overcast	drizzle	shower
			y y		clea	r patchy	overcast	drizzle	shower
					clea	10 80000 0000	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
END					clea	patchy	overcast	drizzle	shower
	-site (circle)	open soils,	hilltops, ridge	rock outer					
		<u> </u>							
	4	Butterfly	/ Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)					
	Nectarplants	Emmenathe pendulitora					
		Anisocoma acaulis					
78		Phacelia parnji					
		Lotus scopands brenglahs					
		Cennothus leucodermi & grays; perplexans					
# 85.70 (2018)		Salvia columbaral					
		Lupin os conannus & bi color					
***	¥						
2 2		Carlantous simulans & heterophylla Streptantous campestis					
		Cryptantna spp.					
		Gitia capitalm					
		Lets argo phyllus var. argophallus					
		Lots argophyllus var. argophyllus Layta glandulosa					
7		Phacelia distans ?					
MMDSOI		Desphinium panshii subglobosum					
MMDS02		11					
MMSCOI		Streptantius campestis					
MMSC02		h					
MMSC03		M. Committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the committee of the com					
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TOTAL NUMBER OF QCB DETECTED: \_\_\_\_\_ INDIVIDUALS

Page 2 of 2

Recorder:	DAVIO	C. I-AUIKN	<u>مح</u> Add'l	Person:	CARL		Date:	27 Ap	2010
			/ Project						
GPS Unit	:_ #5			men	QCB Prot	ocol Survey #	4	of	5
TIME (2	TIME (24-hour) Temp (F°): Wind (avg/max) % CC						Sky		
START	ଓଟ୍ଟର	650		Ø	clea	patchy	overcast	drizzle	shower
	1800	730	2	6	Clea		overcast	drizzle	shower
					clea		overcast	drizzle	shower
50-0.00.00					clea		overcast	drizzle	shower
			#24W 16W		clea		overcast	drizzle	shower
					clea		overcast	drizzle	shower
END	1100	730	4	Ø	600	notoby	overes.	4.41	
Habitat On	-site (circle)	open soils	hilltops ridges	kock outci	ops soil cr	usts, clay soils	overcast	Various ME	shower
	<u> </u>						, era rodos,	various ing	ocal sources
		Butterfly	Species				Tally	····	Total
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٧	Candus								
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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		Cryptontus Goldifields
		Cernotteus
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		Amsindkia Collensia Baby blue apps
		BADON blue corps
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TOTAL NUMBER		COTED.
TOTAL NOM	BER OF QCB DET	ECTED:   INDIVIDUALS

Recorder:	DAGID	K. FAUIKW	Add'l	Person:	CARL			Date:	27 APR	2510
Project:	Campo	Wind Energ	y Project	Map #: _	16			Survey Sx	(n: <u>Camp</u>	9 <b>L</b>
GPS Unit:	<u>#5</u>				QCB Proto	ocol	Survey#	4	of	5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC				Sky	***	
START	iloo	730	2	Ø	Cleái	r)	patchy	overcast	drizzle	shower
	1200	77	2_	Ø	clear	5	patchy	overcast	drizzle	shower
	(300	776	8	10%	clear	· (	patchy	overcast	drizzle	shower
	1400	750	10	50%	clear	r (	patchy	overcast	drizzle	shower
					clear	r	patchy	overcast	drizzle	shower
					clear	5	patchy	overcast	drizzle	shower
END	1500	7-3	16	Ø	Clear	$\supset$	patchy	overcast	drizzle	shower
Habitat On	-site (circle)	open soils	hillfops, ridges	, rock outer	ops soil cru	usts,	clay soils	, old roads,	various ner	ta, sources
							0.71			
		Butterfly	Species					Tally		Total
Q one	Aprila 200								2003.000 00.000	25+
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	A-CA									3
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
16		Collensia
-		Cryptonisha
		Blue docks
· •		BAby Blue eyes
		Gryptonoma  Blue docks  Baby Blue eyes  Wace flower  goldfields
		goldfields
		Cernothus
·		
		•
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-		
	BER OF QCB DET	TECTED: Ø INDIVIDUALS

Recorder: MIKE Courres Add'l Person: DALE POWELL Date: 30 APRIL, 2010									
Project:	Campo	Wind Energ	y Project	Map #: _	Nita'	4	Survey Sx	on: <u>CAM</u>	190-RJ
GPS Unit :	GARM	El hi	·	:	QCB Prote	ocol Survey#	<u> </u>	of	5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	1300	62V	2->4meH		clea	r patchy	overcast	drizzle	shower
	1400	01	X->7 MOH	50%	clea		overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
END	-: (-:1-)		Vallian - State - S	Sanak ayıla	clea		overcast	drizzle	shower
Habitat On	-site (circle)	copen soils	hilltops, ridges	2 rock outc	rops)son cr	usts, clay soll	s, old toads,	various ne	cial sources
		Butterfl	y Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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TOTAL NUM	RER OF OCR DE	TECTED:   INDIVIDUALS

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Recorder:	Dale	Paine	Add'I	Person:	Mike Con	Men	Date:	4/30	12010
Project:	Campo	Wind Energy	y Project	Map #: _			_ Survey Sx	cn: <u> </u>	po R
GPS Unit	•	. 6	) 		QCB Protoc	ol Survey #		of	5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC	L		Sky	** **	# # # # # # # # # # # # # # # # # # #
START	1300	100	4/6	50	clear	patchy	overcast	drizzle	shower
10	1405	6/2	4./-7-	50	Clean	patchy	overcast	drizzle	shower
- 3.0000000000000	15 SJ	220	5/9'_	75	clear	(patchy)	overcast	drizzle	shower
				•	clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
			78 77		clear	patchy	overcast	drizzle	shower
END					clear	patchy	overcast	drizzle	shower
Habitat On	n-site (circle)	open soils,	hilltops ridge	s rock outer	ops, soil crus	ts, clay soil	s, old-roads	various ne	ectar_sources
		Butterfly	/ Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		Cryptontha
		Play to bethy s
		City Comas (H- 1/17)
		Collinsia (See Mike Conters NoTes)
		Cacusthuc
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Recorder:	DAUTO	K. Faulk	KER Add'l	Person:	birdouse		Date:	30APRIL	2010
			/ Project						
GPS Unit	: <u> </u>				QCB Proto	ocol Survey #	4	of	<u> </u>
TIME (24-hour) Temp (F°): (avg/max) % CC							Sky		
START	1100	630	<u>~</u>	30	clear	patchy	overcast	drizzle	shower
	1200	65°	j ·	40	clear	patchy	overcast	drizzle	shower
	1300	67	5	50	clear	patchy	<b>Overcas</b>	drizzle	shower
	·	-			clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
END	1400	62	98	50	clear	patchy	overcast)	(drizzle)	shower
Habitat Or	n-site (circle)	): open soils (	hilltops,∢idge	ock outci	ops, soil cri	usts, clay soil	s, old roads	various (16	ctar sources
		Butterfly	Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
#14	Cango-K	Blue dicks
		Crystantha
		gordfields.
		boby blue eyes
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		Collensie - only a few Scathead
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TOTAL NUM	BER OF QCB DE	TECTED: ØINDIVIDUALS

Recorder: Bonnie Nandfald Ferson: E	Fix Bergingen Date: 4/3	110
Project Campo Wind Energy Project Map #:	1, 5 Survey Sxn: A	Cam
_	QCB Protocol Survey # of	5 .
TIME (24-hour) Temp (F°): (avg/max) % CC	Sky	
START 11:30 64,7 3,7/7.0 60	clear patchy) overcast drizzle	shower
121/5 57.0 49/88 30	clear patchy overcast drizzle	shower
TART 10.45 (N. 4 3719.7 30	clear patchy overcast drizzle	shower
7350 67.6 5.117.5 240	clear patchy overcast drizzle	shower
, 50	clear patchy overcast drizzle	shower
	clear patchy overcast drizzle	shower
END 450 57.7 502/85 40	clear patchy overcast drizzle	shower
Habitat On-site (circle): open soils, hilltops/ridges, rock outcro	ops, soil crusts, clay soils, old roads, various ne	ctar sources
Butterfly Species	Tally	Total
Painted Lady		)
Brack, Madda li M. to	*/	2
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	Handsicks	4-30-10
MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
WIAP/GPS LABEL	POMIN GETOSITIES	SPECIES LIST (NECTAR SOURCES, GENERAL WIEDER 2 1151)
ELS AS DO OF	Population i	( plant)
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EB/5/00	Z i U	d Openta
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TOTAL NUM	MBER OF QCB DE	TECTED: INDIVIDUALS
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Recorder:_	Dale	Pawell	Add'l	Person:	Nike C	, 014 N	1221	Date:	5/1/	10
Project:	Campo	Wind Energy	y Project							15
GPS Unit:		6		<u> </u>	QCB Pro	tocol s	Survey #	4	of	5
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% çc				Sky		
START	1445	(70	7/9	-8	Cle	ar)	patchy	overcast	drizzie	shower
	605	150	6/7	0	Cle		patchy	overcast	drizzle	shower
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					clea	ar	patchy	overcast	drizzle	shower
					clea	ar	patchy	overcast	drizzle	shower
					ciea	ar	patchy	overcast	drizzie	shower
END					clea	3r	patchy	overcast	drizzle	shower
Habitat On-	-site (circle):	open soils,	hilltops, ridges	s, røck outer	ops, soil c	rusts,	clay soils	s, old foads	various ne	ctar sources
				<u></u>		7	·			
	<u> </u>	Butterfly	Species					Tally	·	Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIS
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		Crystentha
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Recorder:	Dale	Powell	Add'l	Person:	Mike Co	DULKA	Date	<u> 5/1</u>	110
			y Project			\		37	_
GPS Unit :		6			QCB Proto	col Survey	# 4	of	5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	62	(70	4.16	0	clear	patchy		drizzle	shower
	6	650	5/7	0	ciear				shower
	1330	660	6/9		Cear		overcast	drizzie	shower
	1425	670	6/8	0	clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
END	" (::==1=)				clear			drizzle	shower
Habitat On-	-site (circle):	: open soils	hilltops, ridges	s, FOCK outc	rops sorrcru	sts, clay so	oils, old road	s, vanous де	ectar sources
		Butterfly	Species				Tally		Total
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		Blue				. 4	NAHAMANA	•	5
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		Lasthania
		Phycolia 2types
		Leyid
		Monzanta
		Cryptantha
-		Plano bathyrs
		Fradium
		Arabis
		Dichlostemmia
		Minialos
		Lotus
	1, 300	Luping
		Caenathus
		Amsinckia
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" 02	1	Collinsia
11 03	. )1	ſ <sub>l</sub>
" 04	11	1/
" 05	1/4	1
DP BJ 01	Point	Black-Tailed Jack Rubbit
	014	Day lailed Sach Kabbil
TAL MILIME	ER OF QCB DETE	CTED: O INDIVIDUALS

Page 2 of 2

# **Quino Checkerspot Butterfly Protocol Survey**

			-	Field Da	ta Sheet		•		
Recorder: MIKE COUFFERD Add'l Person: ANDREW FLHER Date: 1 MAY, 3									, 2010
Project: Manzanita Wind Energy Project Map #: VILE &								Sxn: CAN	
GPS Unit:	GAR	B Mim		<u> </u>	QCB Prote	ocol Survey	##	of	5 .
T384E /2	24 hours	Tamp (E9).	Wind	9/ 00			Clar	-	
START	() 930	Temp (F°):	(avg/max) ダーラ ろ mPH	CLEAR	clea	patchy	Sky overcast	drizzle	shower
	1000	64	2-75	CLEAR	Clea		overcast	drizzle	shower
	1100	67	8-74	5%	Clear	~	overcast	drizzle	shower
	1200	68	0->3	5%	clear	patchy	overcast	drizzle	shower
	1300	72	Ø = 5	5%	Clea	patchy.	overcast	drizzle	shower
	1400	73	Ø~5	CLEAR	cleai	patchy	overcast	drizzle	shower
END	1500	68	2->5	CLEAR	clear		overcast	drizz!e	shower
Habitat On	-site (circle) -Site (circle)	: open soils 25, 6 දි " F	filltops (fidges , と->ちかれ,	STOCK outcre CLEAR_	ops) soil cr	usts, clay s	oils, old roads(	various nec	tar sources
		Butterfl	y Species				Tally		Total
Acmo	<u>on Blu</u>	E				INFI	ELO NOTE	800Ks	70
CABB	'S CHE	CHERSPI	0			*	F 6		
	·	TALMAR					6		
	102N BU			n An			9		
FONE	REAL DUS	Kywino					14		
		CKERUPOT					28		
		SWALLOU					1		
	_		-BUTTER	2F41)			21		
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
MCQBIZU	Point	(NAO 83) 115 0557061, 360108 (3180 FT EV)
AFQBOI	POINT	FIRST OBSERVED BY ANDREW FISHER (NAD 83) 115
		0557076, 3610089 (3192 FT ELEV.)
AFTUVU NESTO	POINT	NEED TO BE CHECKED BY RAPTOR BIOLOGIST
		V
NUMBERED C	DORDINIATES REPRES	ENT COLUNSIA LOCATIONS ALDNG ROUTE.
1		ISHER WAS IMMEDIATELY VERIFIED BY MIKE
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		TEOTED INDIVIDUAL O
TOTAL NUM	BER OF QCB DE	TECTED: 7 INDIVIDUALS

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Recorder:_	BRIAN	LOHST	20H Add'i	Person:	Louis		Date:	5/1/	/0
Project:	Campo	Wind Energ	y Project	Map #: _	14,	15.	Survey S	(n: <u>K</u>	
GPS Unit :	<u>#</u> ,	5			QCB Proto	ocol Survey #	4_	of	5
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		N
START	0930	64	0-3	0	Clea	patchy	overcast	drizzle	shower
	1130	64	6-10	10	clea		overcast	drizzle	shower
	1300	65	5-13	5	clea	r patchy	overcast	drizzle	shower
	1400	65 72	2-8		clear	patchy	overcast	drizzle	shower
	1520	69	0-10	1	Clear	patchy	overcast	drizzle	shower
		82		£	clear		overcast	drizzle	shower
END	1550	67	0-10	3	clear	patchy	overcast	drizzle	shower
Habitat On	-site (circle)	open soils,	hilltops, ridges	s, rock outcr	ops, soil cri	usts, clay soils	s, old roads,	various ne	ectar sources
	****	Butterfly	/ Species				Tally		Total
Acmon	Blive		*			(wed	field was	olc)	8
		ir 6 treak	2. 2.						7
Behrs	the El	mark	27	名 答					23
	l lade				p.v. 12 12 100 100 1				9
		Lady			-				2
Sara	is on	anyct D							5
Fune	real '	Dusky	wing						5
Pear	ly Ma	clobe	đ		, ,				2
		llow tail			94		**************************************		9
Silver	ry Blu	~e							3
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
BLSCOI	Pare plant point	
BLCHOI	Host plant point	
BLCH02	11	$\sim 100$ s individuals
		Nectar sources: Mim v/us avantances, poporn f
		eradium, Lotus hamatus, cA poppy
		cheanactis glabruscula, phacelia parryi dis
		Desert Landelian, Amsintia Densteman parish
		Ceanoths, Gilia capitation Circium
		occidentalis cammateenia, yucca whip,
		Emmerenthe perelulaflora, Lots Scoperio
		Erophyllum hallacei Antirhinum nuthdia
		es senecio californica
		Cath
		Scia
		SOM
		Bicsp
		RHGR
		La2b
		wren
		WIJW
		CaQu
		Bush
		COPA
		No FL
		Oati
		rego
		Granite night Grand (Yantisia) X2
		Side Wotch Lizard
		W. Fener Lizard
		Copanite Spiny Lizare
	ER OF QCB DETE	A Kingsnale Ringreck snale Gopher snake

Page 2 of 2

Recorder: Margie Mulligghadd'l Person: Date: 5/1/2010									
Project: Campo Wind Energy Project Map #:							_ Survey Sx	kn:	
GPS Unit : QCB Protocol Survey # 4 of 5								5 .	
TIME (2	!4-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	0900	60°	2-6	0%	clear	patchy	overcast	drizzle	shower
	1200	66°	4-10	40 %	clear	patchy	overcast	drizzle	shower
	1300	67°	8-12	25%	clear	patchy	overcast	drizzle	shower
	, , .	-		1	clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
			,		clear	patchy	overcast	drizzle	shower
END					clear	patchy	overcast	drizzle	shower
Habitat On-site (circle): open soils, hilltops, ridges, rock outcrops, soil crusts, clay soils, old roads, various nectar sources									ectar sources
			Species		,		Tally		Total
Behr	's Mala	nmark	·			See	noteboo	/	19
	ion Blu	*				-	į.		3
Sar	a's or	ange by	>						1
Silv	very Bl	J& 1							1
FUN	eral f	Duskwil	19						2
Pero	plexin	a Hair	steak				1		2
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
Nectar Source:		Ceanothus (escodermis & cunea NS
		Lastnenia gracilis
		Layin glandulosa
		Escholtzia californica
	-	Malacotnix californica
		Trichostemma lanata
-		Enophyllum wallcei
		Vropappus lindleyi
		Phacelia distans
		Lupin & concinnus & L bi color
		Leptosiphon lemmoni
-		Aniscoma acquie
MMDSOI	Sensitie Dant 2+	Dephinism parishii subglobosum 10 plan
MMLSOI	Sensite plant pt	Latrurus solendens I am shrub
MMCHOI	Host plant pt	Collinsia heterophylla ~10,0lants
MMCH02	16	2 15 plants
MMCHO3	[1	2 10 plants
MMGVOI	Bluenesis Sensitue	Geraen Viscida Oplants
,	plant pt	
MMEPOI		Houses
MMEPOZ		This is a full grassland now w/ 20t dogs
	BER OF QCB DET	ECTED: INDIVIDUALS

Page 2 of 2

Recorder:	Marg	ic Mull	ligan Addil	l Person:			Date:	5/1	12010
Project:	Campo	Wind Energ	y Project	Map #:	5		SurveyS	kn:	
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	1300	67°F	8-12	25%	clear	r (batchy	overcast	drizzle	shower
	15 30	67°F	6-8	25%	clear		overcast	drizzle	shower
					clear	r patchy	overcast	drizzle	shower
			ř.		clear	r patchy	overcast	drizzle	shower
1. (					clear	r patchy	overcast	drizzle	shower
					clear	r patchy	overcast	drizzle	shower
END					clear		overcast	drizzle	shower
Habitat On	-site (circle)	open soils	hilltops ridge:	s, rock outcr	rops, soil cru	usts, clay soils	old roads,	various ne	ectar sources
		Butterfly	/ Species				Tally		Total
Ac	mon [	3/Ue	200 0 200	ELEVER STATISTICS CONTROL STATISTICS CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL CONTROL C	2001 - 2014 - 2014)	·		294_134 19000000 <u> </u>	6
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
Nectur Sour	Ce:	Layia glandulosa
		Lastnenia gracilis
		Collinsia heterophylla
		Anisocoma acarle
		Lupinus bicolor à L. Concinaus
		Lotus strigosus
		Ceanothus leucadermis
		Platustemon californicus
		Erysium capitatum apitatum
		Gilla capitation capitation
		Amsinkia men Ziesij
		Ceanothus lev codermis
		Phacelia distans
		Leptusiphon lemmonij
		Aniso coma acaula
MMDS02	sensitive plant pt	Delphinium panishii subglobosum
MMADOI	, , , ,	Astragalis douglasii perstrictus
MMADO2		r. J
NM ADO3		1,
MM ADOY	ا ك	(τ
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Page 2 of 2

Recorder: Dek Powe ( Add'l Person	: Kenny 5	Toker	Date:	5/2/1	<u> </u>
Project: Campo Wind Energy Project Map	,			_	. ^
GPS Unit :	QCB Proto	ocol Survey#	4	of	<u>5</u> .
TIME (24-hour) Temp (F°): (avg/max) % C		-	Sky		
START 12:30 7 4/6 0		-170	overcast	drizzle	shower
1000 10 5/4	clear		overcast	drizzle	shower
1615 72 4/7	clear		overcast	drizzle	shower
	clear		overcast	drizzle	shower
	clear	· · · · · · · · · · · · · · · · · · ·	overcast	drizzle	shower
	clear		overcast	drizzle	shower
Hobitat On site (sirele): mon sele hilltone ridges rock	clear		overcast	drizzle	shower
Habitat On-site (circle): open soils, hilltops, ridges, rock of	oticious, son cit	usts, clay sons	, Qui Ivaus, v	/glions liec	lai sources-
Butterfly Species			Tally		Total
SouthernBlue		100 3000 113	· · · · · · · · · · · · · · · · · · ·		13
^		M ma II			3
Marble?		<u>i((</u>			5
Dehve Metalmort		HT III			<u> </u>
Alve?		UT			5
Pale Swallout -1					:
		WT 11			オ
Soras Orangetip		11			3
West-cost lady		1	·	<u> </u>	· /
White?		HH 11			7
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		Loyia
		Lasthand
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		Exedian
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		Collinsia
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		TECTED: INDIVIDUALS

Recorder:_	MIKE (	Couffer	الـ Add'l	Person:	Non	<u>E</u>	Date:	2 may	1.2010
Project: Campo Wind Energy Project Map #:				TILE	F	Survey S	xn: <u>CAM</u>	PON	
			<u> </u>						
TIME (2	24-hour)	Temp (F°):		% CC			Sky		
START	1020	ලට	Ø->3 MOH	CLEAR	clear	patchy	overcast	drizzle	shower
	1100	66	9->3 MPH	CLEAR	clear	patchy	overcast	drizzle	shower
	1200	64	Ø->7m04	CLEAR	clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
				ļ,	clear	patchy	overcast	drizzle	shower
END			***************************************		clear			drizzle	shower
Habitat On-site (circle): open soils, hilltops ridges rock outcrops, soil crusts, clay soils, old roads various nectar sources									
			ly Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)				
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TOTAL NUM	BER OF QCB DET	TECTED: INDIVIDUALS				

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Recorder:	Mike	COUFFE	Add'l	Person:	Non	YE	Date:	2 MAy	2010
Project: Campo Wind Energy Project Map #: TILE						18	_ Survey S>	n: <u>CAM</u>	PO-N
GPS Unit: GARMIN 1						ocol Survey #	<u> </u>	of	5 .
TIME (	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	1200	64	MAW EC-D	CLEAR	clea	patchy	overcast	drizzle	shower
	1300	73	Ø->3	CLEAR	clea	12.1101	overcast	drizzle	shower
	1400	76	8-72	CLEAR	clea	38 -844	overcast	drizzle	shower
	1500	74	0->6	CLEAR	clea		overcast	drizzle	shower
	1600	71	2->8	CLEAR	clear	,	overcast	drizzle	shower
					clear		overcast	drizzle	shower
END			20.00		clear		overcast	drizzle	shower
	-site (circle)	: open sons	hilltops ridge	ock outc				various ne	ectar sources
	F		ly Species				Tally		Total
PAINTE	o lagy -	)				IN FIELD	NOTEBOO	ドノ	9
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	ern Biu					11			<u>5</u>
SPRIN	6 WHIT	E				•1			2
	ZEAL DUS	344				41			9
Dese	RT ORAM	KETIP				, t			2
	TIGER S		Ail		*				3
GRAY	HAIRSTI	ZEAK					t,		3
	E'S CHE		-			10			Ī
WEST	COAST	LAOU	<b>&gt;</b>			354.55			3
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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TOTAL NUMI	BER OF QCB DET	rected: individuals

Page <u>2</u> of <u>2</u>

Recorder: F. Dattmen Add'l Person: B. Willey Date: S	13/10
Project: Campo Wind Energy Project Map #: Tile 5 Survey Sxn:	
GPS Unit: SM /3 QCB Protocol Survey # 4	
TIME (24-hour) Temp (F°): (avg/max) % CC Sky	
	zzle shower
clear patchy overcast dri	zzle shower
	zzle shower
	zzle shower zzle shower
	zzle shower
	zzle shower
Habitat On-site (circle) open soils hilltops ridges, rock outcrops, soil crusts, clay soils old roads, varie	ous nectar sources
Butterfly Species Tally	Total
Apodenia mormo	11N 46
Callopheys Durysland	2
I CARCIA ALMON	3
Vanesas Cardin MIIII	9
Glencopsyche hygdamins	2
Ponta probdice (check white) W	.5
Ernois fumeralis	1
Colins har kirdii	
	,
Anthockaris Span	

MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
FOCOLTEOI	3620122	PODS SUNDOAK. DG SOIL BUELLINGS
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11 05	3560440	Pop 200+ Norma Pacin, Bank diamege on
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		Collinsia - Manged/6K.
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		Chamine Chapanal -
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		surveyed from I-3 North to just
		south of la Posma Carino- al Exect
		o crestwood Rd.
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TOTAL NUM	BER OF QCB DET	TECTED: INDIVIDUALS

Page 2 of 2

Recorder	Andre	WPignia	<u>.∂</u> Add'l	Person:		· · · · · · · · · · · · · · · · · · ·	Date:	5/3/1	0
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GPS Unit	:7				QCB Prot	ocol Surve	y# <u>-</u>	of	<u> </u>
TIME (	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	1300	74	0-2	0	clea	patch	y overcast	drizzle	shower
	<u> </u>			<u> </u>	clea			drizzle	shower
	11 = 0				clea			drizzle	shower
	1400	16	0-2	0	clea			drizzle	shower
	<del> </del>			ļ	clea		11.5	drizzle	shower
	<del></del>	27		-	clea	······		drizzle	shower .
END	1530		billtone sides	o rook outo	clea			drizzle	shower
Habitat Of	1-site (circle)	). open sons,	minops, nage	S, TOCK OUIC	iops, son ci	usis, clay	soils, old roads	, vanous ii	ectal sources
		Butterfl	y Species				Tally		Total
Be	hra Me	etalima	1			WATH	WIM HUAL	HUHIS	46
	1 1	Lady				UHI	,,,, · <b>,</b> ,,, ·	(1)	6
						11			2
30	Market	acres 11	P	· .		1			2
72	VPLEXI	ng Hairs	treak			(11)			4
C	Can Mann	White				1			
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)				
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APCCOG	Point	10+ 11 11				
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Page **1** of **1** 

Recorder: A	miren	Pignie	Add'l	Person:		· · · · · · · · · · · · · · · · · · ·	Date:	5/3/1	<u> </u>
			y Project		i 1	· · · · · · · · · · · · · · · · · · ·	Survey S	cn: <u>6</u>	
GPS Unit :			· · · · · · · · · · · · · · · · · · ·		QCB Protoc	ol Survey#	4	of	5 .
TIME (24-h	our)	Temp (F°):	Wind (avg/max)	% CC			Sky		· · · · · · · · · · · · · · · · · · ·
START 👌	115	60	2-6	0	clear	patchy	overcast	drizzle	shower
	15	66	2-6		clear	. patchy	overcast	drizzle	shower
	15	69	2-6	0	clear	patchy	overcast	drizzle	shower
12	712	59	2-4	0	clear	patchy	overcast	drizzle	shower
T T	313				clear	patchy	overcast	drizzle	shower
	915				clear	patchy	overcast	drizzle	shower
			0-4	0	ear	patchy	overcast	drīzzle	shower
Habitat On-sit	te (circle):	open soils,	hilltops, ridge	s, rock outc	rops, soil crus	ts, clay soil	s, old roads	various ne	ctar sources
			/ Species				Tally		Total
Behrs	s Met	a lmar	14		<u> </u>				26
Fainte	cal La	d .				hm'			1.1
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Perol	lexino	hairs	pper treak	•		<u>/                                      </u>			2
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST
DI TAPCCOI	Point	1 Collinsia concolor
APCCCROZ	Point	2 collinsia concolor + 5+ cord xlanthus rigidu
APCLO3	Point	2 11
APBJO4	Point	I Black tailed jackvatbit
MPCLOS	Point	15+ collinsia concolor
PCC06	Point	20+ 4
iPCC07	70.57	act collinsia concelor
	- MARINEW TOTAL TOTAL	
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Page 2 of 2

Recorder: DAUID FLII	ETIUC PAdd'I F	Person:	JOHN	BOSTI	レス Date:	5-3	- 10
Project: Campo Wind Ene	rgy Project	_ Map#:		19	_ Survey Sx	n: <u> </u>	
GPS Unit : 12			_ QCB Prot	ocol Survey #	#	of	5
TIME (24-hour) Temp (F°)		% CC		-	Sky		
START 0930 64	5-9	_(')_	clea	patchy	overcast	drizzle	shower
			clea	r patchy	overcast	drizzle	shower
			clea	r patchy	overcast	drizzle	shower
			clea	r patchy	overcast	drizzle	shower
			clea		overcast	drizzle	shower
	man, sum		clea		overcast	drizzle	shower
	3-5	$\bigcirc$	clea		overcast	drizzle	shower
Habitat On-site (circle): open soil	ls, hilltops, ridges	, rock outc	rops, soil cr	usts, clay soi	ls, old roads,	various ne	ctar sources
Butter	fly Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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17/1901	POINT	7 Lathyrus splent is growing in Q-ac
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14.		
	BER OF QCB DE	TECTED: () INDIVIDUALS

				Field D	utterfly Protoc ata Sheet				
Recorder:	Recorder: David K. Faulkner Add'l Person:						Date: _	3 May	2010
Project: _	Project: Campo Wind Energy Project Map #:			11		Survey Sx	n: <u> </u>	PC H	
GPS Unit: #5		<u> </u>	QCB Protocol	Survey#	4	of	5 .		
TIME (24-hour) Temp (F°): (avg/max) % CC						Sky			
START	0900	67°	5	Ø	(clear)	patchy	overcast	drizzle	shower
	1000	710	4	Ø	Clear	patchy	overcast	drizzle	shower
	1100	7-5°	2	ø	(Clear)	patchy	overcast	drizzie	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzie	shower
					clear	patchy	overcast	drizzle	shower
END			3	Ø	clear	patchy	overcast	drizzle	shower
naultat Oli	-site (circle)	Topen solis	nilitopsznages	COCK OUTCE	ops, soil crusts	, clay soils	old roads>	various∕ne	ctarsources
		Butterfly	Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
#1(,H	Marked 05 #1.	SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)  118 0560117 - 100's of (Long)  Collansia. UTM 3616770
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TOTAL NILIM	BER OF OCR DET	TECTED: Ø INDIVIDUALS

				Field D	ata Sheet	•			
Recorder:	DAVID	K. FAUI	Kiley Add'l	Person:]	L. Conneley		Date: _	3 Mm	12010
					<u></u>				
GPS Unit : #5					QCB Protocol	Survey#	띡	of	5
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	1200	76	3	Ø	clear	patchy	overcast	drizzle	shower
	1300	480	i	Ø	(léar)	patchy	overcast	drizzie	shower
	1400	78	2	Ø	clear	patchy	overcast	drizzle	shower
	1500	83°	ì	Ø	cleary	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
END	1600	79		Ø	(clear)	patchy	overcast	drizzle	shower
Habitat On	-site (circle)	: open soils	nilltops, ridges	Tock outci	ops soil crusts	, clay soils	old roads, v	arious ne	ctarsources
		Butterfly	Species				Tally		Total
P. Acm	ion								257
A. vivo	<del>juti</del>								25+
P. pro	todice_						_		3

Butterfly Species	Tally	Total
P. Acmen		257
A. virguiti		257
P. protodice		3
P. eurymedom		
A. virguti P. protodice P. eurymadon A. SANA		,,,
Granis so		12
Coise halli		
Coiras harfodia V. Conduis		5
V. anna se ila		1
		[ ]

MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)					
i6	Markedas #3	RATE MUSTARd -	115 559957 GTM 3616131	acteimits.			
	Marked as #4	Collensia		164			
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TOTAL NUM	BER OF QCB DE	rected:	<u>ø</u> IND	VIDUALS			

Recorder:_	MIHE	Couffe	EC Add'I	Person:	Non	<u>6</u>	Date: _	3 MAY	2010
			ıy Project						
GPS Unit :	GARI	MIN 3			_ QCB Proto	ocol Survey #		of	5
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC	2A.1		Sky		
START	0835	67	3->6 mpH		clear	patchy	overcast	drizzie	shower
	0900	70	3->8	CLEAR		<u> </u>	overcast	drizzle	shower
	1000	72	3->10	CLEAR	clear	patchy	overcast	drizzle	shower
	1100	74	4->8	CLEAR		patchy	overcast	drizzle	shower
	1200	77		CLEAR		<u> </u>	overcast	drizzle	shower
	1300	80		CLEAR			overcast	drizzle	shower
END Habitat On	1400		Ø-> 4 MPH				overcast		shower
Habitat On	-Site (Circle).	OS 80%	hilitops×ridges	PH. CLEA	rops) son cri	usts, clay som	S old roads	various nec	tar sources
	2 as as as a 1 -		y Species	(11) # - # -			Tally		Total
Acim	INN RI	UE	<u> </u>			TN FIF	LONOT	eennk:	18
	•	ALMARK					11	EBOUL	225
		Duskyl					<i>(</i> \		10
PAINT	ed Lad	11)		·			₹(		5
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PALE	VIGER !	SWALLOW	TAIL			· · · · · · · · · · · · · · · · · · ·	ti.		<b>Z</b> <sub>J</sub>
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
MCHL18 050310	Point	
Mc Garmin 06	POINT	FOUND GARMIN # 6 LOST BY OTHER BIOLOGIST APPROX.
		ONE MONTH AGO. UNIT TURNS ON AND IS IN GOOD GINGING
01 NUMBER	Paris Pagarent	COLLINSIA LOCATIONS ALONG TRACK ROUTE.
HIC MOMBERCED	TOTALS NEVIDESTAL	COLLINSIA LOCATIONS MUNG TEACH ROUTES.
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TOTAL NIIME	BER OF QCB DE	TECTED: INDIVIDUALS

Recorder:	Dale	Powe	Mod'l	Person:	(cin F	Ju yout	Date: _	5/3	1/10
Project:	Campo	Wind Energy	/ Project	Map #:		6	Survey Sx	n: <u>(                                   </u>	I og
GPS Unit		6			QCB Proto	ocol Survey#	<u> </u>	) of	5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	8:30	65°	7/9	0	Clear	patchy	overcast	drizzle	shower
	9.50	670	7/10	_ O _	clea	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	· patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear		overcast	drizzle	shower
END	aita (ai-al-)		N. III.		clear	patchy	overcast	drizzle	shower
Habitat On	-site (circie):	open soils	nilitops, riages	s, rock outer	ops soll cri	usts, clay soils	, etd roads,	xarious ne	ctar sources
		Butterfly	Species			-	Tally		Total
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POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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	Fradrum.
	Descuya Mico
	Salvin colombino
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	Ausine 120
	Dichlostomas
	Caputhus
	Chaenoctis
	Chaenoctis
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	Astropolus
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Page 2 of 2

Recorder:_	Dale	Powell	Add'l	Person:	evin		Date:	_ 5/3	110
Project:	Campo	Wind Energy	Project	Map#:_	10,1	5	_ Survey S	xn: <u>Cau</u>	apa I
	<u> </u>								
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% сс		,	Sky		
START	9:50	670	7/10	<u> </u>	clear		overcast	drizzle	shower
	111)	750	417		_cleár		overcast	drizzle	shower
	H JO	700	340	0	ctear	· · · · · · · · · · · · · · · · · · ·	overcast	drizzle	shower
	1600	810	160	0	< clear		overcast	drizzle	shower
	1640	790	<del> </del>		clear		overcast overcast	drizzle drizzle	shower shower
					clear		overcast	drizzle	shower
END Habitat On	-site (circle)	Onen soile	billtops, ridge	s reck outc					
i labitat Oli	-Site (Girole)	. open done,	emitops, erago	p, con out	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, o.u., o.		The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	
		Butterfly	Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		Lotos
		Camissonia
		Astragalus
		1.11.00
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		Logithera
		Erodina
		Déservania
		Salva relin barris
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TOTAL NUM	BER OF QCB DET	ΓECTED: INDIVIDUALS

Page 2 of 2

Recorder: BRIAN LOHSTRE	Add'l Person:	BOE/Escart	Date:	5/4/1	0	
Project: Campo Wind Energy P	roject Map #:	11, 12, 16	Survey Sxn:	6		
GPS Unit: 7		_ QCB Protocol Survey #	4	of	5	
	Wind			<u> </u>		

TIME (	24-hour)	Temp (F°):	Wind (avg/max)	% cc			Sky		
START	0840	68	0-1	Ø	clear	patchy	overcast	drizzle	shower
	1040	78	0-4	Ø	(ear	patchy	overcast	drizzle	shower
	1300	80	3-8	Ø	dear	patchy	overcast	drizzle	shower
	1420	83	3-8	6	dear	patchy	overcast	drizzle	shower
7	1515	79	4-8	Ø	qear	patchy	overcast	drizzle	shower
		•	,		clear	patchy	overcast	drizzle	shower
END					clear	patchy	overcast	drizzle	shower

Habitat On-site (circle): open soils, hilltops, ridges, rock outcrops, soil crusts, clay soils, old roads, various nectar sources

Butterfly Species	Tally	Total
Behr's Metalmeric		39
Common Sooty Wing		3'
Sara Orangetip		.5
Paintel Ladel		3
Acmon Blue		5
Spring Azure		2
Southern Blue		3
Chalcedon checherspot		l
Comman white		1
Hartherdi Sulphar		3
Dearly marble		3
Derplexing hair streak		2
Hade pale supploutail		2
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		N.
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
BLHLOI	·	Juy Harned Lizard
BLCHOI		Chinese haves ~10 int.
BLLBOI		Linanthus bellus 100s ind.
BLCHOZ		chinse haves ~5 ind.
BLCHOZ		" Sind.
BLLBOZ		Linanthis bellus sooind.
BLHL02	-	Juv Herred Lizare
BLLB03		Linanthus bellow 500 ind
BLCHOH		chinese houses 100 ind.
BLC HOS		Chircle hauses 100 ind.
BLLB06		finanths bellow sooind
BUBOT		Linanthy bellus 500 incl
BLC406		Chinese houses Dinl
BLCH07		Chirite houses 100 ind
BLHL03		Adult horned Lizard
BUB08		Linuthus Hellus 300 incl
BLCH09		chinese houses 30 ind
BLCH10		chinese houses 50 ind
BLHL 04		Jur homed Grane
BLCHII		chinese haves 30 ind
13LCH12		11 Zoind
BLCHOB		chines hower 300 ind.
		Calt, CAQUOati Wiwa, ATFL, Eust, CORA
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ectar Sources	. CH DODAN ELOW	IUM, Ceanothus, Commissouria Lastronia penstehun
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hacelia distan	2 Parryii (	DOPEOUR Hower, Linanthus S.D. Lemmonii: Lapinus SAD.
onia glabate	i Minulus guitatu	5 Lotes homals, mimulus frementii,
nisdiconta acqu	lis, seneció calife	ornica, trichostemma, Gilia copitatum, Emophyllan, s
Clahium pamii	SSD SUNGBOOKS	Sour
OTAL NUMB	ER OF QCB DETI	ECTED: INDIVIDUALS

Recorder:	fowell	Add'l I	Person:	leto sex	Nove	Date: _	5/4,	110
Project: Manza	Ha Wind Energ	gy Project	_ Map	#:	7	Survey	Sxn:	npcD
GPS Unit :				QCB Proto	ocol Survey#_	y	of	5 .
TIME (24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START 850	680	45		clea		overcast	drizzle	shower
END 11 15	780	7/13		clear	₹ <u> </u>	overcast overcast	drizzle drizzle	shower
START 155	250	7/12	<u> </u>	Clear	patchy	overcast	drizzle	shower
ST" 735	780	6/9	<u> </u>	clear		overcast	drizzle	shower
1520	70	9/3	9	clear		overcast	drizzle	shower
END 1545	760	8/11	D	efear	patchy	overcast	drizzle	shower
Habitat On-site (circle	): open soils, bi	lltops ridges	, fóck outc	rops soil cri	usts, clay soils,	eld-roads(	various nec	tar-sources
	Butterfly S	Species				Tally		Total
Balin MET	iglmork.	14	ال المنظ	H HI	LLH JUN / M	F LM H	n Her Litt	55
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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		Plago hatyria
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<b>OTAL NUME</b>	BER OF QCB DET	ECTED: INDIVIDUAL

Page 2 of 2

Recorder:	Dale	Rowell	Add'l	Person:	Non	<u> </u>	Date: _	5/	1/10
Project:	Manzar Manzar	Wind En	ergy Project	Мар і	<b>#</b> :	2	Survey	Sxn:	Campo D
GPS Unit :		6_			QCB Prote	ocol Survey#	4	of _	5 .
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% cc			Sky		
START	11120	780	8/12		dea	patchy	overcast	drizzle	shower
	11142	75°	_7/12	8	cléa		overcast	drizzle	shower
	17	_	- 1		clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drîzzle	shower
END		<u> </u>			clear		overcast	drizzle	shower
Habitat On	-site (circle)	open soils,	hilltops, ridge	s, rock outer	ops, soil cr	usts, clay soils	, otd róads,	various	nectar sources
		Butterfly	Species				Tally		Total
<u>D</u> 03K1	- <u>-                                  </u>			40.7710.1720H		11			7
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POIN SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE L	TS/ IST)
		Erodivin	
	·	Cryptantha	
		Plagio bothyvis	
		Caenothor	
		Dossovanza	
		Placela	
	****		
	·		
·			
TOTAL NUME	BER OF QCB DET	TECTED: INDIVIDUA	ALS

				Field Da	ata Sheet				
Recorder:_	DAVID	K. FAUIK	Add'l	Person:	DANCE		Date:	4 May	2610
Project:	Campo	Wind Energy	/ Project	Map #: _	11,12		Survey S	кп: <u>Ся</u> ъ	WO E
GPS Unit:	<u># 2</u>	Tages			QCB Prot	ocol Survey	#_4(?)	of	<u>5</u> .
			Wind		T			wiki	5
	4-hour)	Temp (F°):	(avg/max)	% CC	-		Sky		
START	0900	70	Ø	<b>Ø</b>	clea	patchy	overcast	drizzle	shower
	1000	740	5	4	Clea	₹	overcast	drizzle	shower
12 P. 1	1100	77°	4	Ø	Clea		overcast	drizzle	shower
	1200	80°	<u>6-7</u>	¥	Clea		overcast	drizzle	shower
	1300	833	<u>8</u>	Ø	Clea		overcast	drizzle	shower
	1400	80°	<u> </u>	Ø	Clea		overcast	drizzle	shower
END	(666	90° 78°		ø Ø	clea		overcast	drizzle	shower
Habitat On	-site (circle)	: open soils)	hilltopsyridges	ock outci	ops soil cr	usts, clay s	oils, old roads	ovariousome	ctar sources
		Butterfly	Species				Tally		Total
Plu	مثنن								2
	Ldui								4
PAC						i i			25+
				24 110011745000					2
C De	-Olavia	Citats							
							3t	C0075	25+
Philon	30 (44	.1)							5
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
126.	Mark # 2	Colleusia ~ 50 plants
,		Callensia, ~50 plants. 115 0561218 UTM 3618096
		1 1 11 0561238
IZE	No Hark.	Homed-lizard: US 0561238
		hector: Cryptonths
		hector: Cryptontha Goldfields
		SOU HELOS
		Ceanothus
	BER OF QCB DET	TECTED: Ø INDIVIDUAL

Recorder:_	DAVID	FLIE	TUERAdd'I	Person:	TOHU F	FKAL.	Date:	5/4/	0
Project:	Campo '	Wind Energ	y Project	_ Map #: _	19	; 	_ Survey S	xn: 🔼	
GPS Unit :	10				QCB Prot	ocol Survey #	± <u>      4                              </u>	of	5 .
TIME (24		Temp (F°):	Wind (avg/max)	% CC			Sky		
-START		58	0-2		clea	patchy	overcast	drizzle	shower
STANT	8150	66	Q2 -4	0	clea	patchy	overcast	drizzle	shower
			•		clea	ir patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
				4	clea	r patchy	overcast	drizzle	shower
		75			clea	r patchy	overcast	ő drizzle	shower
END	10:30	33	3-5	C)_	clea	r patchy	overcast	drizzle	shower
Habitat On-	site (circle)		hilltops, ridges	, røck outc	rops, soil cr	usts, clay soi	ls, old roads	various ne	ctar sources
			· ·						
		Butterfl	y Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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Recorder:	DHUR	FLIE	VEC Add'I	Person: 30	E CIMIC	Basticic	Date: _	5/4//	<u>'0</u>
Project:	Campo	Wind Energy	y Project	Map #: _	, s	20	_ Survey Sx	n: <u> </u>	1 157/01/15
	·	10				ocol Survey#			<u>5</u> .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	11 00	77	0-3	()	clea	r ) patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
					clea	ır patchy	overcast	drizzle	shower
				*	clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
END	1630	33	7+10	$\bigcirc$	clea	patchy	overcast	drizzle	shower
Habitat On	-site (circle)	(open soils)	hilltops ridges	s, rock outc	rops, soil cr	usts, clay soil	s, old roads	various ned	tar sources
		Butterfly	/ Species				Tally		Total
1 B	2hrs	metas	linule			1000	DD -		200
	Derjo	heir.	Inche streute			0.7			33
	Sava	i-nen	cetion			W.T.			18
	Pount	iel 19	Van			XI:			12
	Aimer	a bl	rale			Li			6
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		Lust cel
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DFCHOI	point	Collinsia
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		Leminus conc
		Phalelin mira
		Lincen thus Commenic
DECHOZ	point	- 200 Collinsia
<u></u>		Crown puff
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N = 1/1 /0	th:	
DEHLO		hovald lizard
		Chainachs (lup
		Plimulus (yellow)
		Emmen antho pend
	·	Linanthus Lin
DFUSO	point	1 Cautenthes Smuleuro
		Coveepsis caly
CH 3 ->C	#12 mints	1 GPS ed representative Collinsia
	orlyga	/ocations - these should just
	1 13	be made into a polygon
		2 11100 1000 1000
TOTAL NUM	BER OF QCB DE	TECTED: INDIVIDUALS
		7
		Page $2$ of $2$

				Field D	ata Sheet				
Recorder:	MINE	LOUFFE	Add'l	Person:	NON	<u> </u>	Date:	4 ma	Y, 2010
Project:	Campo	Wind Energ	y Project	Map #: _	VILE ?	21	_ Survey Sx	m: <u><i>CAN</i>:</u>	190-N
Project: Campo Wind Energy Project Map #: VILE 2   Survey Sxn: CAMPO - N  GPS Unit: GARMIN 9 QCB Protocol Survey # ? 4 of 5							5 .		
TIME (2	TIME (24-hour) Temp (F°): (avg/max) % CC					······································	Sky		
START	1100	78	3->5mPH	CLEAR	ctéa	patchy	overcast	drizzie	shower
	1200	76	7->14	CLEAR	clea	_	overcast	drizzle	shower
	1300	8/	0->6	CLEAR	clea	patchy	overcast	drizzle	shower
	1400	81	3-8	CLEAR	clea	patchy	overcast	drizzle	shower
	1500	81	0-35	CLEAR	clea	patchy	overcast	drizzle	shower
	1530	80	Ø->5	CLEAR	Clea	patchy	overcast	drizzie	shower
END					clea	r patchy	overcast	drizzle	shower
Habitat On	-site (circle)	open soils,	hilltops ridge	reck outcr	ops, soil cr	usts, clay soil	s old roads	various ne	ctar sources
			y Species				Tally		Total
SARA	+ ORAN	KETIP				IN FIE	LO NOTE	BOOK	15
HENI	NE'S	-HECKE	RESPOR				11	"	14
PALE	YIGER	_ SWALL	OWTAIL			1)			5
FUNE	real (	Jusky wi	NG			1.1			1/
		BLUE				1)			3
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CALIF	ORNÍA	MARBU	Ε			11			2
Acmi	ON BLUE	3				\1			Ч
PERP	EXING	HAIRST	ZEAK			11			-
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
MCHL19 050410	Point	MEDIUM-SIZED HORNED LIZARD
NUMBERED	POINTS REPRES	ENT COLUNSIA LOCATIONS COLLECTED ALONG
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TOTAL NUME	BER OF QCB DET	TECTED: INDIVIDUALS

Page 🔊 of 💫

Recorder:	MINE	COUPFE	Add'l	Person:	Non	<u>E</u> _	Date:	4 mar	2010
Project:	Recorder: MINE COUFFER Add'l Person: NONE Date: 4 MAY, 2010  Project: Campo Wind Energy Project Map #: TIE 16, 19 Survey Sxn: CAMPO M								
GPS Unit: GIARMIN 9 QCB Protocol Survey # 4 of 5									
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			61		
START	0840	70°	Ø->2	CIEAR	clea	patchy	Sky overcast	drizzle	chours.
	0900	69	0->2	CLEAR		-	overcast	drizzle	shower shower
	1000	73	0-23	CLEAR		×	overcast	drizzle	shower
	1015	73°F	Ø->2MPH	CLEAR	clea		overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
END					clea	r patchy	overcast	drizzle	shower
Habitat Un	-site (circle)	open soils	hilltops, ridges	s, rock outci	ops, soil cr	usts, clay soil	s, old roads,	various ne	ctar sources
		Butterfl	y Species				Tally		Total
BEHOS	METALM	182K				IN Cir	DNOTER	150/	95
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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	NA	
	252 25 25 25	
TOTAL NUM	BER OF QCB DET	rected: individuals

		1. · · · · · · · · · · · · · · · · · · ·	Quino Chec	kerspot Bเ Field Da	utterfly Protocol Survey ata Sheet			
Recorder:	Natalie	Brock	Add'l l	⊃erson: <u>Û</u>	rede	Date: _	4 May	2010
Project:	Campo	Wind Energy	y Project	_ Map#:_	()	Survey Sxi	n: <u>Cava</u>	0 - C
GPS Unit :	Elavy	in 3			QCB Protocol Survey #	-	of	5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC		Sky		
START	0900	104"	calm	6	clear patchy	overcast	drizzle	shower
	1005	68	2/5	<u> </u>	clear patchy	overcast	drizzle	shower
	1110	70"	6/11	<u> </u>	clear patchy	overcast	drizzle	shower
	1200	7 <b>5</b> °	5/10		clear patchy	overcast	drizzle	shower
	1305	73°	4/19		clear patchy	overcast	drizzle	shower
*	1415	73	4/12	9.	clear patchy	overcast	drizzle	shower
END	1515	(A°	<u>\\\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u>	<u> </u>	clear patchy	overcast	drizzle	shower
Habitat On	-site (circle)	: open solls,	hilltops, riages	, rock outer	ops, soil crusts, clay soils	s, Olu-Tuaus,	Valious lieu	idi sources
		Butterfi	y Species			Tally		Total
Sava	orange		, <b>o</b> p		NA IM			10
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		goldfields, papcorn flower, groundpink
AMERICA NPC	POI	MARIBEAR Please disvegard - not campo Pea
NBCHOI		Collinsia sp., lot individuals
NBCHOZ		Collinsia sp 5+ plants
NBAROL		Antivohinum, 10+ individuals
NBCHO3		Coilingia sp 5 individuals on read margin
NBCHO4		Collinsia Sp. 25+
NBCD OI		Cordylartous 5+
NBCD 02		Cordylanthus 15+
NBHLOI		Horned lizard
NBCD 03		Cordylanthus 45.t
NBCH05		Collingia Sp. 1+
NBCD 04		Cordylanthus 25+
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TOTAL NUMBER OF QCB DETECTED: \_\_\_\_\_\_ INDIVIDUALS

Recorder:	Autore	He Gu	taweZAdd'l	Person:	lwen	e e	Date: ˌ	5)49	12010
Project:	Manzar	nita Wind En	ergy Project	Map #	: <u>C</u> a	mp0 8	Survey	/ Sxn:	P
GPS Unit :	,				QCB Proto	ا ocol Survey #	_5	of	<u>5</u> .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	1115	710	1.5/2	O I	clea	patchy	overcast	drizzle	shower
			1. 7.		clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
				. ~	clear	r patchy	overcast	drizzle	shower
	•				clea	r patchy	overcast	drizzle	shower
	17 17	30	2 = 116		clear		overcast	drizzle	shower
END		18			clear		overcast	drizzle	shower
Habitat On	-site (circle)	: open scus,	hilltops, ridges	, rock outer	ops, soil cri	usts, clay soil	s, old roads,	various ne	ctar sources
		Butterfly	y Species		Ż		Tally		Total
A Mario	1 blue		у оросиос	19 2		12/11			7544
/1 1		almark		· 1		INT HIT IN			110
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
8/18/3	Chinese Houses	Plant 202 50-100 hillier
81.14651	ZILLONG Sackfallst	Character
F8/A6CHS	chinese Houses	plant for 10-50 road side , u u 50-100 roadside
F& ABCHG	1) (1)	, u le 50-100 vouderde
P8/AGCH7	Chinese Houses	IL 11 10-50 road side
,		Lasthonia Californica
	//	complete
		Groundant
		Bollewheat
		Plugiohothys
		Traytres
resident.		Calistrara lermonii Salvia colombie
	``.	Salvia colombil
	!	
	1 100 PM-04 L	
"		
TOTAL NUMI	BER OF QCB DE	TECTED: INDIVIDUALS

Page 2 of 3

Recorder:	Margi	e Mull	1995 Addi	Person:			Date:	5.4	.10
Project:	Campo	Wind Energ	y Project	Map #: _	4		_ Survey S	kn:	
GPS Unit :	13		. 1		QCB Proto	ocol Survey#	5	of	5 .
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC		~	Sky		
START	1345	80	2-5	0	otear	patchy	overcast	drizzle	shower
	1530	80	3-6	0	clear	patchy	overcast	drizzle	shower
	'				clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
. END					clear		overcast	<u>drizžle</u>	shower
Habitat On	-site (circle)	open soils	hilltops, ridge	s, rock outc	rops soil cru	usts, clay soils	s, old roads	, various ne	ctar sources
_		Butterfly	y Species				Tally		Total
Pai	nted 1	adu							1
Sa	va 3 00	anose hi	0						4
Pa	LT SLATE	Monta	P.						2
	avly N		· ·						1
Re	hr3 M.	et. Ina	/k						12
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
MMLB03	Sousitive plant pt	Linaturs bellus 50 plants
MMDP06	1) /	Delphinum purishii subglubesum 10 plan
MM DP07	11	5
MMDPOB	11	25
MMDP09	( r	10
MMDPIO	· te	11 5
MMDPII	{c	20
MMADO5		Astragalus douglasii perstricts I plant
Necfar Source;		Dendromecon rigida
Source;		Leptosiphon lemmonii
		Lestucinia gracilis
		Salvia Columbariae
		Bullia calibraica
		Corpopsis californias
·		Layia glandulos o
		Phacelia distans
		Lotis strigosu
		Delphinium panishii subglobosum
		Linantas bellus
		Mimulus gutta LS
		Lypnishalor
		Minuaria doughsii
:		
	BER OF QCB DE	en en en en en en en en en en en en en e

Page 2 of 2

Recorder:	Dale	Powe	_∭_Add'I	Person: Ka	uny	Stakes	Date: _	5/2	2/10
Project:	Campo				<u>' 2</u>	<u>.5                                    </u>	_ Survey Sx		, ,
GPS Uniț :		6			QCB Proto	ocol Survey #	4	of	5 .
	TIME (24-hour) Temp (F°): (avg/max) % CO					-	Sky		
START	1055	590	4/6	2	clear	patchy	overcast	drizzle	shower
	1200	(2) o	_5"/7	0	clear	patchy	overcast	drizzle	shower
			1		clear	r patchy	overcast	drizzle	shower
					clear	· •	overcast	drizzle	shower
					clear	· · · · · · · · · · · · · · · · · · ·	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear		overcast	drizzle	shower
Habitat On	⊢site (circle)a	open soils,	filltops, ridges	s, rock outcro	ps, soil cru	usts, clay soils	s, old roads,	various ne	ctar sources
5		Butterfly	Species				Tally		Total
Shit	د ]					1			2
Lady	3				-	11			2,
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		Layia
		lorthand
		Cacuethorg Bradium
		R. I
		Predium
		Menzanita
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· · · · · · · · · · · · · · · · · · ·	BER OF QCB DE	TECTED: INDIVIDUAL

Page <u>2</u> of <u>2</u>

Recorder:	Margi	e Mulli	gan Addil	Person:			Date:	5.4.1	0
Project:	Campo	Wind Energy	/ Project	Map #: _	5		Survey <sub>:</sub> S	xn:	·
GPS Unit:	13	· · · · · · · · · · · · · · · · · · ·			QCB Protoc	col Survey#	5	of	5
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	0900	75°F	0-2	0	Clear	patchy	overcast	drizzle	shower
	1200	80°F	3-6	0	clear	) patchy	overcast	drizzle	shower
	1330	90°F	4-6	0	clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
END		_			clear	patchy	overcast	drizzle	shower
	-site (circle):	open soils,	hilltops ridge	s rock outci			, old roads		ectar sources
		· · ·							
		Butterfly	Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST
MMCHO 1	Neotar pt	Collinsia heterophylla
MMCH02	Nector pt	1.
MMCH03	Nector pt	11 11
MMCHOY	11	10
MMCH05	. 11	· · · · · · · · · · · · · · · · · · ·
MMADOI	Sensiteplantyt	Astragalus douglassii perstictus Iplant
MMA-DOZ	И.	1 play7
MMAD03	Sousite plant pt	
MMADO4	h	11 30 plant
MMDSOI	Į)	Delphinium panishii subglobasum zolanta
MMDS02	И	11 Soplants
MMGVOI	91	Gerazaviscida 30 plants
MMGV02	11	11 3 plants
MMLBOI	<b>)</b> /	Linanthus bellus 50 plants
MMLB02	ħ	30 plants +
	Blobelach De	
Vector Source	e e	Anisocomo acarle
	12-7-	Encamena bheanfolia
	-	Lasthenia gracilis
		Platystemory alifornius
		Layla glandulosa
		Phacebra distans
		Lephosiphon lemmonij
	-	Lipinus conciunus & L. bicopy
		Delphinium punshis subglobosum
		Linantinos bellus
		MANORSONES
	3	Collingia heterophylls
		Mala coting californica
	1-1	Sulvia Columbariae
OTAL NUMBI	ER OF QCB DET	

Page 1 of 2

Recorder: Autone	Heloo	helec. Add'i	Person:	ausene	بو		Date:	4-5-	10
Project: Campa	ita Wind En	ergy Project	Мар я	#: Camp	<u>20</u>	12	Survey S	Sxn: 🙎	13
GPS Unit :	1			QCB Prote			4	of	
TIME (24-hour)	Temp (F°):	Wind (avg/max)	% cc				Sky		
START 900	72		(2)	¢lea	r)	patchy	overcast	drizzle	shower
1000	76	0/2		(clear			overcast	drizzle	shower
Stop 1100	78	215	Ŏ	clear			overcast	drizzle	shower
				clear	[		overcast	drizzle	shower
61				clear	r		****	drizzle	shower
start 1310	18	25/10	0	clear	4			drizzle	shower
END AOO	78	25110	()_	clear	)	patchy	overcast	drizzle .	shower
Habitat On-site (circle):	open soils,	hilltops, ridges	rock outer	ops, soil cri	ústs,	clay soils,	old roads, va	arious nec	tar sources
			The same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the sa	·····					
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
****		SPTO, CATOL PSFL, COBU, NOFL, WEEN, CHOID
		Crypteniale WEST, COBU, NOFL, WEEN, CHOUS
		gilia
		togupta
		False Dandelian
AML (	Wesdrafnest	Thogk
AGNUZ	woodratnest	in dead chamiso
ACAATH 1	California Throster	In change
Astr.	Honed Trava	in chée m 15 P ( hap)
AGCHI	Chinese Hooses	Dlant Dep re-50 10005 on hilltop
A75NL4	1 Wealnut rest	Rockcoteron
AGCH 2	Chinese Hassa	10-50
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TOTAL NILINA	BER OF QCB DE	TECTED: (7) INDIVIDUALS
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		Page 2 of 2

Recorder:_	Dale	Powe	_ <i></i> Add'l	Person:	Bo L	كيللعي	Date:	5/5	110
Project:	Com po Manzan	uta Wind Ene	ergy Project	Map	#: 27-7	3 1	Survey	/ Sxn: <u>( ( ( 4</u>	~ po 9
GPS Unit :		<u> </u>		complete!	∠ _ QCB Proto	ocol Survey	# 4 Vay	, ७ <u>७३</u> of	<u> </u>
TIME (2	2 2 2	Temp (F°):	Wind (avg/max)	% cc			Sky		
START	1145	760	4/1	<del>-</del> 2	Cléar		overcast	drizzle	shower
	1400	70	3/5		Clear		overcast	drizzle	shower
	1015	70	3/6	<u>6</u>	clear		overcast	drizzle	shower
÷ ,	1615	75	2/2	<del>                                     </del>	Clear		overcast	drizzle	shower
	·		-	1	clear	· · · · · ·	overcast	drizzle	shower
					clear		overcast	drizzle	shower
END	11 (-1-1-1-1-1		112	Language Control	clear		overcast	drizzle	shower
Habitat On	-site (circle)	: open sous,	hillops, ridge	s, rook outc	rops, son co	JSRS, Clay SO	ils, eld roads	various nec	ctar sources
***************************************		Butterfly	y Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POIN SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE L	ITS/ _IST)
		Elodium	
		Collinsia	
		Paystenon	
	:	Actologus	
		Penstruer	
		Lesthenia	
		Lovid	
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		Susion	
		Phaelic	
	10-100 INC.	Delphinion	
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	· · · · · · · · · · · · · · · · · · ·	Planabathyrus	
		Memolos	
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PHLOI	Port	San Digo Horned Lizard	
n 67	1 82 401	344 10196 1101NEG C12010	
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	BER OF QCB DET	ECTED: O INDIVIDU	

Page 2 of 2

Recorder:	MIKE	COUFFE	l'bbA <u>ca</u> :	Person:	NONE	<b>.</b>	Date: _	5 m	14.2010
Project:	Campo \	Wind Energ	y Project	Map #: _	Tile 21		Survey Sx	n: CAMI	PO N
GPS Unit :	GARI	min 12	·	<u> </u>	QCB Protocol	Survey #	4	of	5 .
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC		-	Sky		
START	09001/129		1-4 mpH	CLEAR	clear	patchy	overcast	drizzle	shower
	1000	73	276	CLEAR	clear )	patchy	overcast	drizzle	shower
	1100	76	1-74	CLEAR	clear	patchy	overcast	drizzle	shower
	1130	73	5->13 MPH	CLEAR	clear	patchy	overcast	drizzle	shower
	4.4		•		clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
END					clear	patchy	overcast	drizzle	shower
Habitat On	-site (circle)	open sons,	hilltops)ridge	rock outer	ops, soil crusts	, clay soils	,old roads	yarious ne	ectar sources
		Duttoefl	v Species				Tally		Total

Butterfly Species	Tally	Total
ACMON BLUE	IN FIGLO NOTEBOOK	7
CHECKERED WHITE	la -	1
BEHR'S METALMARK	 	3
PERPLEXING HAIRSTREAK	 J.V. Company	<b>し</b> る
SARA ORANGETIP	 t t	5
PALE TIGER SWALLOWTAIL	 · · ·	<b>ス</b>
FUNEREAL DUSKYWING	 ŧ,	1
JUBA SKIPPER	 l l	1
GABB'S CHECKERSPOT	11	
SPRING AZURE	 11	
SOUTHERN BLUE	$A = A \cdot A$	1
PAINTED LADY	· ·	<u> </u>
HENNE'S CHECKERSPOT	<u> </u>	ス
CALIFORNIA MARBLE	11	ス
HARFORDS SULPHUR	11	1
CALIFORNIA SCOTYWING	Ų	1
	 And the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	
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MAP/GPS LABEL	POINT/POL	YGON TYPE		MENTS FO ES LIST (N						
NUMBERED	POINTS	REPRES	ENT	Collin	Aizu	SP.	LOCA	TIONS	. Nun	1B <i>5</i> 2S
1->385	FOLLOW F	ALL LOGGE	DASTC	KS ON	ZiHT	MAR	AND	CAMPO	Q,M	AP
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TOTAL NUME	BER OF	QCB DE1	ГЕСТЕ	D:	ر	8		IND	IVIDL	JALS

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Recorder:_	Natalie	Brodie	Add'I	Person:	Daniel		<del></del>	Date:_	5 Ma	y 2010
			y Project							
GPS Unit:	2			·	QCB Prote	ocol	Survey#	4	of	5 .
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC				Sky		
START	1130	75	7/11	Ø	clea	r)	patchy	overcast	drizzle	shower
	1120	,	• (	-	clea	r .	patchy	overcast	drizzle	shower
					clea	ır	patchy	overcast	drizzle	shower
					clea	<u>r</u>	patchy	overcast	drizzle	shower
					clea	r	patchy	overcast	drizzle	shower
					clea	<u>r</u>	patchy_	overcast	drizzle	shower
END	1230	760	6/11	ø	clea		patchy	overcast	drizzle	shower
Habitat On	-site (circle)	: open soils,	hilltops, ridges	s, rock outc	rops, soil сг	usts	, clay soils	s, old roads,	various ne	ectar sources
		D. H. off	Chaoise			]		Tally		Total
12.1	100 2 Lul		y Species	<u></u>	· . · · .	Jin.	ā l	Tany		11
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Acmon	plue					-	- W-			,
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		goldfields, popcorn flower,
NBCHIO		Collingia sp. 30+
MBCAIL		Collinsia Sp. 25+ on nock outcom
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TOTAL NUME	ER OF QCB DET	TECTED: STATE INDIVIDUALS

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Recorder:	Natalic	Brogi	CAdd'I	Person:	Daniel .		Date:	5 May	2010
Project:	Campo	Wind Energ	y Project	Мар #: _	13		Survey S	(n: <u>F</u>	
							/#		
TIME (	24-hour)	Temp (F°):	Wind (avg/max)	% cc			Sky		
START		72°	4/9	0	clear	patchy	overcast	drizzle	shower
			1		clear	- patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
	*				clear	patchy	overcast	drizzle	shower
				100000	clear	patchy	overcast	drizzle	shower
END	1435	15°	5/10	15	clear	patchy	overcast	drizzle	shower
Habitat Or	n-site (circle)	: open soils,	hilltóps, ridge	s, rock outc	rops, soil cru	usts, clay s	oils, old roads	, various ne	ctar sources
г			<del></del> -				Tally	····	Total
		Butterfi	y Species				Tally	(4);	7
Benvs	Metalm	ark				Ц			2
SULTO						1		*	1
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12/2	Swalton	v tail				M			5
Carc	SVACCION					2111			1 4
Dava	brange	<u>πρ</u>				<u> </u>			1
Proper	nus Dusk	YMM		100000000000000000000000000000000000000		1			1
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		goldfields, fiddleneck, phacelia popiorn Hower
NBHLOI		horned lizard
NBHL02		horned lizard.
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17-41-4		
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Page 2 of 2

	,				utterfly Prot				
	1/2000	Mag	ez-Waller Add'l F	Field D	ata Sheet			e1-1	,
Recorder:	VIVIUNE	Murgu	Add'l F	Person: 🖊	n1110p		Date:	0/0/1	0
Project: _	Campo	Wind Energ	y Project	_ Map #: _	_5_		Survey S	xn: <u>5 G</u>	mps A
GPS Unit	:	C/M	Games		QCB Protoc	col Survey#	5_	of	
TIME (	24-hour)	Temp (F°):	Wind (avg/max)	% CC		***************************************	Sky		
START	9:15	70,7	2.6/43	Ø	clear	patchy	overcast	drizzle	shower
	10:15	69.0	2.1/4.4	9	clear	patchy	overcast	drizzle	shower
	11:40	72.0	3.8/5.4	_Q	clear	patchy	overcast	drizzle	shower
	12:55	75.50	5.3/6.8	<u> </u>	clear	patchy	overcast	drizzle	shower
	2-52	151	6.2/8.5		clear	/ patchy	overcast	drizzle	shower
- LUB	200	74.9°	7//03	Ø	clear	patchy	overcast	drizzle	shower
END Habitat Or	a-site (circle)		7.6/9.8 hilltops ridges	<del></del>	clear	patchy	overcast	drizzle	shower
i iabitat Oi	r site (en eleg	. open sons,	Timtopariages	20ck outc	- Joha, 30/1 Cita.	sts, clay solls	L Old Toads	(Various nec	ctar sources
		Butterfly	y Species			<del></del>	Tally		Total
Behr	- ( Met	almark				174 7	KI IUT	UK III	24
Painte	of Lady					1111		1,21 1.1.	4
South.	ern Bli	ve				THI	1111		9
Tunere	al Dur	Kywing				j/			7
Cabba	ge whit					/			1
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aomo						((			2
Grei		*				/			1
Sulf	S. 50.					11			2
Buc	Keya Co.	m m o n				ſ			
G166	. / 0/	kerspot				1			/
Pero	r }	taintre	ak			/			1
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
VMCHOI		3 plants in chamise chapanal opening
VMCH02		7 plants near heletop
VMCH03		about 10 plants
VMMDOI		Scal Mule Seen
		Collinsa Leter ophylla
		Collinsa Later ophylla. Oryptanthe sp.
		eroduin acutanum
		Crub Jay Crow
		Crow
		ansincker intermedia
		Glack-chinned Spanew
		Spotted Towher
		Boldhelds ++++
		Chie
		Lugui sp.
		annual lotus
	,	Pepper grass Cp.
		nenophile
		(#3)
		Note: GPS + trackurp may have
		been turned off in morning-
<u> </u>		` .
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TOTAL NUM	BER OF QCB DE	TECTED: INDIVIDUALS
		Page <u>2</u> of <u>2</u>

Recorder:_	Natalia	Brodie	Add'l	Person:	aniel			Date:	5 May	2010
Project:	Campo	Wind Energ	y Project	Map #: _	1		<del> </del>	Survey Sxr	ı: <u>Å-</u>	·····
GPS Unit:	Gari	Min 2			QCB Prote	ocol	Survey#	45	of	5 .
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC				Sky		
START	0100	62	3/7	10	clea	$\supset$	patchy	overcast	drizzle	shower
01711.0	1015	696	3/9	6	clea	-	patchy	overcast	drizzle	shower
					clea	٢	patchy	overcast	drizzle	shower
					clea	r	patchy	overcast	drizzle	shower
					clea	Г	patchy	overcast	drizzle	shower
					clea	ľ	patchy	overcast	drizzle	shower
END	1100	720	4/10	Ø	clea	<u>)                                    </u>	patchy	overcast	drizzle	shower
Habitat On	-site (circle)	: open soils,	hilltops, ridge	s, rock outc	rops, soil cr	usts	, clay soils	s, old roads, v	various ne	ctar sources
	·	Butterfly	y Species		<del> </del>			Tally		Total
Armon	n blue					IM				3
						itti	Kilkii			17
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FUNOVE	al Duck	T AMAG		<del></del> -		1				1
Dropert	inc Dusk	CA WING			-W4**	li				
Danabak	100	- (		A.11						
Derolexi	no How	ctreak	44104		10,110	1			<del></del>	1
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST
		gold fields, papeorn Flower
NBCHOI		Collinsia sp. 5+
NBCHOZ		Collingia sp. 6+
NB 4103		Collinsia Sp. 60+, scattered throughout
VBCHO4		Coilinna sp. 100+
NBCHOS		Callinsia Sp. 200+ interspersed w/ goldfields
JB406 .		Collingia Sp. 150+
NBCH07		Collinsia sp. 50t
1BCHOE		Collinsia sp. 50+ scattered
18AR-01		Antivrhinum sp. 5+ individuals
JBCH09		Collinsia sp. # 100+ scattered
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Page 2 of 2

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Recorder:	Marg	ie Mull	igas Add'l	Person: _<	shirley	lunkek	Eeh_Date:	<u>5.8</u>	. 10
Project:	Campo	Wind Energ	y Project	Map #: _	1-9		_ Survey S	xn:	
GPS Unit :		***			QCB Proto	col Surve <b>y</b> #	5	of	<u> 5</u> .
		T .	Wind		1	*****			
	24-hour)	Temp (F°):	(avg/max)	% CC,			Sky		
START	0900	19276° 80°	4	0%	clear	<u> </u>	overcast	drizzle	shower
	1200	80	6-10	3º/2 5º/0	Cclear		overcast	drizzle	shower
	1500	810	5-9	5%	Clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
END Habitat On	cito (cirolo)	ionon coilà	(5:11t-2) - \( \frac{1}{2} = \frac{1}{2} \)	1-1-1-	clear		overcast	drizzle	shower
Habitat Off	-Site (Circle)	open sons,	hilltops, ridge	OCK OUTCI	ops soll cru	sts, clay soil	s, old roads	, various ne	ctar sources
		Butterfi	/ Species				Tally		Total
Pear	In Ma	rble	-						1
	1 .	glmark		* :		· · · · · · · · · · · · · · · · · · ·			50+
Sovi	na Azi	31e							2
ACN	ng Azi	J.e							16
		lowfail							8
	-	se Whit							2
		ingetip							5
Pair	stred La	ad 1							2
Gal	063 Ch	eckers	ot-						3
Sin	ereal	Duskun	ing						3
Dus	kywng	Duskyń	<del>-                                    </del>						17
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND G SPECIES LIST (NECTAR SOURCES, GENERAL WI	
Neetar Source	2.	Malacoturix clevelandii	
		M. Californica	···
		Escholtzia alibraica	
		Anisocoma acaule	
		Mimulus aurantiacus	
		Bricameria linearifolia	
		Salva columbanac	
14		Gina capitalm c.	
	-	Enophyllum confert form	
		E. Wallecei	
		Phase lia distans	
		Collinsia heterophylla Penstemon develandii	
		Layia glandulos9	
		Charnactis glabriscula i C. ar	Jemistoli-
		Lupinus tuncalis, concinnus, bicolon,	hivsofissing
MMCHOI-OK	Neetar plant pt	Collinsia heterophylla	
MMHLOI	Sensitive Lizard pt	Horn Lizard	
MMDSOI	Sensitie plant pt	Delphinum parishii subglobosum	100 plants
MM 950 2	N 1	1111	10 plants
MM0503		i,	30 plants
MMDSOY		L1	Soplants
MMSCOI		Streptantnus Campestris	15 plants
MMSC02		(1)	10 plants
MM5003		i e	5 plants
			<u> </u>
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Page 2 of 2

			Quino Chec		utterfly Pro ata Sheet	otoco	ol Survey			
Recorder:	Kli	1 Oslav	Add'l	Person:	Leu	<u>,` 5</u>	C 94	ad/Date:	5/5/2	200
Project:	Campo	Wind Energ	y Project	Map#:	Carpo	- <u>_</u>		Survey Sx	kn:	
GPS Unit:	<u> </u>	10			QCB Prot	ocol	Survey#		of	5
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC						
START	901	70	coh_		Clea	<u> </u>	patchy	overcast	drizzle	shower
906.			. ,		clea	r	patchy	overcast	drizzle	shower
1015		77	1.5/5,8	. 0	Clea	3	patchy	overcast	drizzłe	shower
140		72	85/14	ర	clea	2	patchy	overcast	drizzle	shower
			<u> </u>		- clea	r	patchy	overcast	drizzle	shower
	7/-		C = /14 =		clea		patchy	overcast	drizzle	shower
END			9.9/14.7		clea		patchy	overcast	drizzle	shower
Habitat On	-site (circle)		hilltóps, ridges	·	rops, soil cr	usts,	clay soils	, old roads,	various ne	ctar sources
		Butterfl	y Species	2	· .			Tally		Total
Place	ajus ac	hoh				11				2
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
	Coudylouthus	0559005/361471 garand avaz 30×30
	* *	of abundand Coodylanthone Vigiden
	• •	0559468/3615121 : huntrals C. Michael.
	~,	0559853/3615103 =~50 Collinsia
#5	(thousands)	(0559496/3615156 to = -ton thousand C. rigidas
*6	4 C3 fres and	0559365/3615122 to 2 ~ outhousand C. rigides 0559319/3615122 to 2 ~ outhousand C. rigides
7	Cordyla Alvar	C558795/36/4703
	Collinsia (	0560010/3614974 - 100 Collinsda in 2 M
		0560002/3614963 ~ « « / M²
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		0559850/3614653 ~ 200 " " :4/10 M2
		0559538/3614573 ~ 500 11 11 :a 100 cm2
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Page Z\_of \_Z

Recorder:	MIKE	COUFFE	Add'l	Person:	NONE	=		Date:	5 MA	1,2010
			y Project							
	_	min 17								5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC				Sky		
START	1200	82	HOM F (-)	CLEAR	Clea	ir)	patchy	overcast	drizzle	shower
	1300	-	2-710	CLEAR	clea	7	patchy	overcast	drizzle	shower
	1400	77	3-710	CLEAR	clea	5	patchy	overcast	drizzle	shower
	1500	78	3->10	CLEAR	clea	r	patchy	overcast	drizzle	shower
	1548	77	3->13	5% Course	clea	r	patchy	overcast	drizzle	shower
			* -		clea	r	patchy	overcast	drizzle	shower
END				ļ·	clea		patchy	overcast	drizzle	shower
Habitat On	-site (circle)	open soils,	hilltops ridge	grock outcre	ops, soil cr	usts	, clay soil	s old roads	various ne	ctar sources
		Butterfly	y Species					Tally		Total
SPRIN	6 WHIT	E					N FIEL	STON O.	BOOK	2
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
MCHL20	PoinT	
MCHL 21	POINT	
	DINTS REPRESENT	COLLINSIA SP. LOCATIONS. NUMBERS 1-> 385
		N THIS MAP AND CAMPON, MAP TILE 21
MC CORIZAN	· _	
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		IS IN THE AREA, THIS LOCATION SHOULD B
		CHECKED.
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Page 2 of 2

Recorder:	Dale	Paws	Mod Add'l	Person:	30 W	illry	, Date	= 5/5	10
Project:	-Manzan	ta Wind End	ergy Project	Map #	#: <u> </u>	21	Surve	ey Sxn:	ampa 9
GPS Unit	:	<u> </u>			QCB Prof	ocol Sur	vey# <u>5</u> _	of	5 .
	24-hour)	Temp (F°):	Wind (avg/max)	% cc			Sky		
START	345	チスペ	3/,5	0	<u>Č</u> les	pat pat	chy overcast	drizzle	shower
	100	7-23	_5/6	$\bigcirc$	clea	pat	chy overcast	drizzle	shower
	1120	73	4.17		clés	pat pat	chy overcast	drizzle	shower
	1135				clea	ır pat	chy overcast	drizzle	shower
					clea	ır pat	chy overcast	drizzle	shower
					clea	r pat	chy overcast	drizzle	shower
END					clea	r_ pat	chy overcast	drizzle	shower
Habitat On	-site (circle):	open soils,	hilltops, ridges	s, rock outcr	ops soil ci	usts, cla	y soils, old road	s, various ne	ctar-sources
		-							
		Butterfly	Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		Dichlostemma
	-	Endular
·	·	Collinsia
	·	Ponstruon
		Astralagus
		Lastherea
		Cayla
		Christantle
		CIPILLARO
		Procelia
		Delaborar
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062201	Point	Compating
001	~ Peint	Collinsia
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TOTAL NUME	BER OF QCB DET	ECTED: INDIVIDUALS

Recorder:	ENK	LACOSTO	Add'l	Person:			Date	5/5	/10
Project:	Campo	Wind Energ	y Project	Map #: _	# 14	1,15	_ Survey S	Sxn: K	
GPS Unit	7	<u>- , %</u>			QCB Prôto	ocol Survey	# <u>.5</u>	of	5
	24-hour)	Temp (F°):	Wind (avg/max)	% CC	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	_	Sky		
START	845	64	3-6	4	Ciear	patchy	overcast	drizzle	shower
	1100	71	9-8 1	-19-13 3	Clear		overcast	drizzle	shower
	130	72	8-12	<del>,0</del>	(Jear		overcast	drizzle	shower
				1.	clear	patchy	overcast	drizzle	shower
					clear		overcast	drizzle	shower
END	230	76	6-10		clear		overcast	drizzle drizzle	shower
		open soils	hilltops, ridges	rock oùtér			overcast		shower ectar sources
Tiabitat Of	-Site (circle)	. open sons,	miliops, ridges	s, rook oatoj	Op3, 3011 Ore	ioto, ciay oc	iio, ola roaa	o, vanous n	cotal 30d/003
		Butterfly	y Species	**  2	* * ****		Tally		Total
CHALC	e Am Ch	rellerape	<u> </u>		* * * * * * * * * * * * * * * * * * *	11/4			6
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Strain Strain

MAP/GPS LABEL.,	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
ELCOHE 01	P.	Collinsia 10-20 inswidoals.
ELCOHEUZ	P	Collinsia 300-400 laborduels.
		eradium sp
		Plagrobothing SP
		Plagrobothing SP. Mustard SP.
		Lupine Sp.
		AMSMEN
		Cummisonia SP.
		LASCAL
		KETANT
11. Å 81	•	Line will the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the se
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		LOTARG
		PENCLE
		CASFOL
		DELHES
		Lupinus excubitas
		CAU HET
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Page  $\frac{2}{2}$  of  $\frac{2}{2}$ 

# Quino Checkerspot Butterfly Protocol Survey

			Quino Onco		ata Sheet	otocor our vey			
Recorder:	KH	Osbor	- Le Add'l	Person:	Laures	م دو	Date: _	5/6/	2010
			y Project						
			· · · · · · · · · · · · · · · · · · ·						<u>5</u> .
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky	· · · · · · · · · · · · · · · · · · ·	•
START	905	67	1.8/4.4		clea	patchy	overcast	drizzle	shower
1030	1030	71	1.5/4.4	ಧ	clea	patchy	overcast	drizzle	shower
	102		3.7/13.5		clea	patchy	overcast	drizzle	shower
Railoud	300	7,5	4.3/9.3	6	clea	n) patchy	overcast	drizzle	shower
			/	1	clea	r patchy	overcast	drizzle	shower
	·				clea	r patchy	overcast	drizzle	shower
END	355	74		<u>له</u>	Clea	patchy	overcast	drizzle	shower
Habitat On	-site (circle)	: open soils	, hilltops, ridges	, rock outo	rops, soil cr	usts, clay soils	s, old roads,	various ne	ctar sources
		Butterfl	y Species		· <del>-</del> ··		Tally		Total
P. ac	mon					111			3
A. a.	0 T 600 U					VINXXXX	<u> </u>		8
P. c.	talus					1			1
A. 5	a 173					44 1111			9
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	resplexa	<u> </u>		·		11			2
<u>c.</u>	5 9 6 623					111(22)	a has be good a ha	1	3
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MAP/GPS LABEL,	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
K6COI 01	Collinsis track	@ 0559807/3613966 walked acoud ~ 500 042
KOCO102	Collinsia	2 plants
15000103		~ LOON Collinson ~ 400M2
KOCOI 04	6.7	~ 100 du / M2
KOC0105		~ 200 ja 50 42
K000106	B- 6	2500 14 5042
Kocol 07		n 5000 in 50002 No face stope
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TOTAL NUMBER OF QCB DETECTED: \_\_\_\_\_ INDIVIDUALS

Project: Manzamine Wind Energy Project Map #: 23 Survey Sxn: (a upo)  GPS Unit: 0 QCB Protocol Survey # Vavis of 5  TIME (24-hour) Temp (F): (avylnox) % CC Sxy  START \$ 3.30 CO 2 / 4 © digat petchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast drizzle shower dear patchy overcast dri		L 3 . a . / ()	. ``	Add'l		•				f .
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Pith 7 30   1 3			Temp (F°):		% CC			Sky		
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Habitat On-site (circle): open soils, hilltops, ridges, rock outcrops, soil crusts, clay soils, eld roads various nectar sources  Butterfly Species  Tally  Total  Habitat III  Soot har Blue  Chally White  Port Smollowful  Total  Total  American Blue  Chally White  Port Smollowful  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total						clea	patchy	overcast	drizzle	shower
Butterfly Species  Reha Mitchiach  Scothin Alue  Auma Blue  Chilip White  1  Par Duallowful						clear	patchy	overcast	drizzle	shower
Bohn Mitchmark  Soother Blue  Armon Blue  Armon Blue  Archard White  Par Sundbrital  1  13  13  14  15  16  17  18  19  19  19  19  10  10  10  10  10  10	Habitat On	-site (circle)	cpen soils,	hilltops, ridges	s, rock outc	rops, soil cr	usts, clay soil	s, eld roads	rarious nec	tar sources
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST
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Page 2 of 2

Recorder:	Dal	e Pou	rell Add'i	Person:	John	Bost	ick Date:	5/6/	10
Project:	Manzar	ုပ ita Wind End	ergy Project	Map #:		25	Surve	y Sxn: C	mes R
		1							• - •
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	1010	74 0	3/5	0	Clear	<	overcast	drizzle	shower
	1215	70 7	6/3	$+$ $\times$ $+$	Glear	7	overcast	drizzle	shower
· .	1515	770	7/9	8	Clear		overcast	drizzle	shower
		TI	<del>- 711</del>		clear		overcast overcast	drizzle drizzle	shower shower
	·	,			clear		overcast	drizzle	shower
END					clear		overcast	drizzle	shower
Habitat On	-site (circle)	epen solls,	hilliops, ridge	s, rock outcro	ps, seil cft	ists clay soil	s, old roads	various ne	
		Butterfly	Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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		Losthenia
		Lupinus
		Camothys
		Evadium
		Physicalia
		Constantly
		Di chlastonina
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***		Salva columbonas
		Curren
		Charno Tis
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	1014	Committee
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TOTAL NILIM	BER OF QCB DET	TECTED: INDIVIDUAL

Page 2 of 2

Recorder:	Natolie	Brodic	Add'l	Person: F	Millip			Date:	6 May	2010
Project:	Campo	Wind Energ	y Project	Map #: _	19		<i>8</i>	_ Survey S	xn: <u>(aan</u> )	v - P
GPS Unit :	Gar	min l	2		QCB Prot	tocol	Survey #	5	of	5
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC				Sky		
START	1345	750	3/5	1	clea	ar)	patchy	overcast	drizzle	shower
	1500	740	3/6	Ø	clea	_	patchy	overcast	drizzle	shower
			-1-	,	clea		patchy	overcast	drizzle	shower
					clea	58201	patchy	overcast	drizzle	shower
		2000			clea		patchy			
			******					overcast	drizzle	shower
END	1540	73°	3/7	B	clea		patchy	overcast	drizzle	shower
L					clea		patchy	overcast	drizzle	shower
riabitat On	-site (circle)		hilltops, ridge	s, rock butch	rops, son cr	usis,	ciay soiis	s, old roads	, vanous ne	ctar sources
3000000000		Butterfly	/ Species					Tally		Total
Funerea	DUSKVU	ving				AX	l			6
Acmon	blue	<del>""</del> j				JAY		*		5
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)						
		gold fields, popuorn flower, gilia						
	-							
		-						
TOTAL NUM	BER OF QCB DE	TECTED: 6 INDIVIDUALS						

Page 2 of 2

				Field Da	ata Sheet				
Recorder:	MIKE	COUPFER	ا'Add <u> </u>	Person:	NONE		Date:	6 may	1.2010
Project:	Campo	Wind Energ	y Project	Map #: _	TILE	24	_ Survey Sx	n: <u>CAM</u>	OR)
GPS Unit	<u>Gar</u>	min 13			QCB Prote	ocol Survey #	5	of	5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	0830	69	0	CLEAR	Clea	patchy	overcast	drizzle	shower
	0900	70	1->3	CLEAR	clea		overcast	drizzle	shower
	1000	7(	1->3	CLEAR	clea	patchy	overcast	drizzle	shower
	1100	73	1->5	CLEAR	clea	patchy	overcast	drizzle	shower
	1200	76	Ø>>5	CLEAR	Clea	patchy	overcast	drizzle	shower
	/300	8/	8->4	CLEAR	clea	patchy	overcast	drizzle	shower
END	1400	83_	Ø->3	CLEAR	Clear		overcast	drizzle	shower
Habitat On	site (circle) ノらのの ナル	SS, 77°F,	Chilltops Fidge /→>る かのみ。	್ರಾrock outcr , ८८६A८	ops, soil cr	usts, clay soil	s, old roads,	various ne	ectar sources
			y Species				Tally		Total
GABE	S CHECK	675 POT				IN FIEL	O NOTES	00K	14
		echees					स		61
Acmo	N BLUE						Ч.,		65
	reo Laoy						V(		F
	S METAL						63		l li
SARA	ORANGE	nρ					ŧį		21
South	HERN BLU	18					1.6		<u>6</u>
PALE	TIGER SU	ALWWTA	ι				Ł,		6
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
mcqB13	Point	
mcab14	Point	THIS WAS A VERY SMALL, FRESH QUIND POSSIBLY OBSERVER
MCHLZZ	Point	BY ANTONETTE GUTIEREZ EARLIERIN THE MORNING.
MCHL 23		
MCQB15	Point	
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	BER OF QCB DE	TECTED: (3) INDIVIDUAL

				Field Da	ata Sneet				
Recorder:	Natalic	Brodi	Add'l	Person: $\overline{\underline{P}}$	Rillip		Date:	6 May	, 2010
Project: _	Campo	Wind Energ	ıy Project	Map#:_					
GPS Unit	: Garr	nin 12	7		QCB Prote	ocol Survey	#	of	5
TIME (	24-hour)	Temp (F°):	Wind (avg/max)	% CC		· · · · · · · · · · · · · · · · · · ·	Sky		
START	0930	69°	2/5	Ø Ø	clea	patchy	overcast	drizzle	shower
	1100	73	2/5		clea	patchy	overcast	drizzle	shower
	1230	75°_	3/5	Ø	clea	patchy	overcast	drizzle	shower
		<u>.</u>			clea	patchy	overcast	drizzle	shower
					clea	patchy	overcast	drizzle	shower
					clea	patchy	overcast	drizzle	shower
END		75°		Ø	clea	patchy	overcast	drizzle	shower
Habitat Or	n-site (circle)	): open soils,	hilltops, ridges	s, rock outc	rops, soil cr	usts, clay so	ils, old roads	, various n	ectar sources
		Butterfl	y Species	<u> </u>	2 - C		Tally		Total
Behrs	metal	mark				MUTAINA	IM MI IN		42
Funer	eal bus	Kunina				W(	, , , , ,	·	4
Funereal buskyning Rainted lady						)		,	1
	n blue					il			- 2
	lified w								1
Gabbs	checke	V Spot				11			2
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
MBCHOI		collinsia sp. 35+
		goldfields popiorn flower, gilia cap,
MBCHOZ		Corlinga sp. 5t
NBCH03		Collinsia sp. 15t Scattered
NBCHO4		Collinsia sp. 30+ scattered w/in patches of goldfield
NBHLOI		Hornes Lizard
NBHLOZ		Horned lizard
vectos		Collinsia sp. 40+, Antirothinum sp. scattered (15+
NBAR-01		Antirchinum sp. 20+
NBAR 02		Antirchinum sp. St
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TOTAL NUM	BER OF QCB DE	TECTED: Ø INDIVIDUALS

Page <u>2</u> of <u>2</u>

Recorder:_	Marg	ie Mulli	agin Add'l	Person:			Date:	5.6.2	OIO
Project:	Campo	Wind Energy	y Project	Map #: _	19-0	101	Survey S	kn:	
GPS Unit :		2			QCB Protoco	ol Survey#	5	of	5
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	0900	620	4-7	0%	clear	patchy	overcast	drizzle	shower
	1500	72°	3-6	6%	Clear	patchy	overcast	drizzle	shower
	1430	75°	4-8	0%	clear)	patchy	overcast	drizzle	shower
				,	clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
			Accessed to the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the contr		clear	patchy	overcast	drizzle	shower
END					clear	patchy	overcast	drizzle	shower
Habitat On-	-site (circle)	open soils,	hilltops, ridges	s, rock outer	ops, soil crust	s, clay soils	old roads,	various ne	ectar sources
		Butterfly	Species				Tally	No.	Total
Pale	Swalle		<u> </u>				Tany	250	\ \
Pair	ited La	idy							1
Acn	non Bli	ડહેં		*/					21
San	a's Ora	ingetip Diskyn Halmari						3180	6
MN	ereal	DUSKYN	ny	1000-11					7
<u>Dev</u>	in 3 Mg	49 mar	<u> </u>						32
Che	ckered	White							32
50/6	hur so	•							2
Duch	knowsh	White							2
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MAP/GPS LABEL	POINT/POLYGON TYPE		ED POLYGOS AND GPS POINTS/ RCES, GENERAL WILDLIFE LIST)
Nedar		Couptant spp.	
Source:		Cryptanta spp. Escheltzia Gliforn	ica
		Amsinkia menziesi	<u> </u>
		Lastneria gracilis	
		Trichostemma lanal	m
		Lipinus bicolor	
		L' concinnus	
		Aztragalus douglas	sii perstads
,		Marah macrocarps	5 m.
MMOHOI	Hostolant 2+	Collinsia concolor	
MMGVOI	Sensitive plant pt		30 plants
MM GJOZ	1	11	1 plant
MMADOI	fi	Astragalus doug	ilasis perstiatis 50 plan
MMAD82	11	. 0 21	40 01991
MMADPO3	£ 4	11	2 plants
MMADPOT	11	(r	1 plant
MMADP05	11	(r	25 plants
MMADPO6	l.	. (1	1 plant
			u ·
	4 .		
TOTAL NUM	BER OF QCB DE	TECTED:	INDIVIDUALS

Page 2 of 2

Recorder:	Margi	e Mulli	<u>995</u> Add'l	Person:			Date:	5.7.	2010
Project: _	Campo	Wind Energy	/ Project	Map#:_	11-4				
GPS Unit	:5	5			QCB Protoco	ol Survey#	5	of	5
7	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	0900	6507	6-10	0%	clear	patchy	overcast	drizzle	shower
	1200		0-4	0%	clear	patchy	overcast	drizzle	shower
	1245	76° F	2-4	0%	Clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
			·		- clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
END	-74- /-1-1-1	25	16:		clear		overcast	drizzle	shower
Habitat Or	1-site (circle)	open soils,	hilitops, ridges	scrock outci	ops, soil crust	s) clay soils	s, old roads,	various ne	ectar sources
20.1	- A. 1		Species				Tally		Total
		glowerk							37
A	MI DUS	leywing					.,,		2
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	by Men	White	_0,0,0						
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rain	req Lo	a)							
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
Nectorplant	ø	Cryptanting Sp?
1 00 10.0		Plagiobothrys spp.
		Salvin columbanac
		Mimulus avrantiaous
A. 44 - 44 - 44 - 44 - 44 - 44 - 44 - 44		Ceanotws lev codermis
		Uropappus lindlegi
-n		Leptosiphon lemmonii
	-	Lupinus ondinais
		Collinsia concolor
		Amsin a an enziesij
		Layra glandutoss
MMCHOI	Host plant pt	Collinsta
MMCH02	' '	T)
MMCH03		· It
MMCH04		U .
MMCHOS		11 15 21 and 3
MM 6502		Delphinium punishii subglobosum 20 plants
MMDS03		trela 25
MMDSOY		35 plants
MMDSOS		25 plants
MMDS06		20p19nts
MMDS07		10 plants
MMDS08		25th Day olagts
MMDS09		25 plants
MMDSID		10 plants
MMSE01		Calopastoris Steptanthus amportes plants
MMSC02		10 plants
12 11-1 3002		10 plants
	BER OF QCB DE	TECTED: O INDIVIDUALS

Page $\overline{\mathcal{V}}$  of  $\overline{\mathcal{V}}$ 

Recorder:	Mara	le Mu	11995 Add'I	Person:				Date:	5.7.2	010
			y Project							
GPS Unit :		5			QCB Proto	ocol	Survey #	5	of	5 .
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC				Sky		
START	1300	790	2-4	0	Clear	2	patchy	overcast	drizzle	shower
	1530	820	2-5	0	clear	D	patchy	overcast	drizzle	shower
	-		postorn soul		clear	r	patchy	overcast	drizzle	shower
					clear	Г	patchy	overcast	drizzle	shower
					clear	Γ	patchy	overcast	drizzle	shower
					clear	<u> </u>	patchy	overcast	drizzle	shower
END Lighted On	nita (nirala)		h:!!!:.	14-	clear		patchy	overcast	drizzle	shower
павітат Оп	-site (Gircle)	. open sons,	hilltops, ridge:	s, rock outc	rops, son cri	usts,	, clay solls	i, old roads	, various ne	ctar sources
		Butterfly	Species		2000 840 581		O8590 SWH5	Tally		Total
Brhr	3 Meto	almark							*	17
	Swallo									3
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND G SPECIES LIST (NECTAR SOURCES, GENERAL WIL	PS POINTS/ _DLIFE LIST)
MMCH06	Host plant pt	Collinsia	
MMCHOT			
MMCH08			
MARKER			
MMCHIO			
MMCHII			
MMCH12			
MMADOI	sensitive plantpt	Astragalus douglasii persticts	5 plants
MMAD02	1	1,	10plants
MMDPOI			15 plants
MM DPO2			loplants
MMDP03			10014118
1 (1)			
NorAnn		Phacelia parryi	
Necfar Source;		Sylvia columbariae	
5000		Charnach's glabriscula	
		Catemist blin	
		Cryptantac Spp.	
	A**-	Gilia capitalim c.	
		Lupihus trunca 45	
		L bicolor	
		C concinnus	
		Collinson concolor	÷,
		Layin glandulosa	
		Surjivi off words 10 3 ,	
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<u> </u>			
	BER OF QCB DE	TECTED: 1ND	IVIDUALS

Page 2 of 2

Recorder:_	DAVID	s. Fallkner	≥Add'l	Person:	Thomas	5	Date:	7 m	2010
			y Project						
GPS Unit :	# 5	<u> </u>			QCB Protoc	col Survey#	5	of	5
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	1300	80	3	Ø	Clear	) patchy	overcast	drizzle	shower
	1400	රීර	ч	9	Clear	patchy	overcast	drizzle	shower
	1500	තීර	3	ø	clear	patchy	overcast	drizzle	shower
				(	clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
		ACCUSE NOT SE	74 450		clear	patchy	overcast	drizzle	shower
END	1600	78	6		clear)	patchy	overcast	drizzle	shower
Habitat On	-site (circle)	: open sols,	filltops, (idge)	s, fock outc	rops, soil crus	sts, clay soils	s, old roads	, various (e	ctar)sources
		Butterfly	/ Species				Tally		Total
A. Vivo	iti.		14 - 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 200 x / 2						3
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
16 'G"	115 0560572 UTM 3616257	Collansia = 100+ plants
	115 0560562 - UTM 361 5515	Collensia - 100° pints
		Blos De Ve
		Blue Drcks Cryptontha
	RED OF OCR DE	TECTED: INDIVIDUAL

Recorder:_	O.VAC	vc. Fruiku	Add'l F	Person:	Thorn	e S		Date:	7 44-	2010
			/ Project							
GPS Unit :	<u> </u>			## P	QCB Prot	tocol	Survey#	5	of	<u>5</u> .
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC				Sky		
START	1160	76	ا ا	Œ	Clea		patchy	overcast	drizzle	shower
	(200	පිර	3	Ø	Clea	ir)	patchy	overcast	drizzle	shower
95	04 (1991) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		8		clea	er .	patchy	overcast	drizzle	shower
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					clea	ξr	patchy	overcast	drizzle	shower
				000000000000000000000000000000000000000	clea	ar	patchy	overcast	drizzle	shower
END	1300	වර	3	Q.	Clea	ar)	patchy	overcast	drizzle	shower
Habitat On	-site (circle)	: open soils)	ridges	, rock outc	rops soil cr	rusts	, clay soils	old roads	various	ectarsources
		Butterfly	Species					Tally		Total
A. Wina	14:									25+
P 200-	2 2							2030000		7
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H- SANA	١									<b></b>
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
11 "G"	115 0560359 UTM 3616924	Cellensia 250 plants Potential laure
	ness services	•
	118 0560647 UTM 3616926	Homed Lizard, Jumel
	01,74 9816 126	
	119 056774	Collensia ~ 25 plants
	UTM 3616771	Collandia 23 plants
	115 0560718	
	UTM 3616418	collensia ~ 100 plants.
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TOTAL NUM	BER OF QCB DE	TECTED: Ø INDIVIDUALS

Recorder:	Dowin	K. FAUIK	Nex Add'l	Person:	Therews		Date:	7 May	2010
			/ Project						
GPS Unit:	#ユ			-	QCB Protoc	col Survey#		of	5 .
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		140
START	0980	69	3	Ø	clear	patchy	overcast	drizzle	shower
	1000	72	7	Ø	(clear)	patchy	overcast	drizzle	shower
			2 2		clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					- clear	patchy	overcast	drizzle	shower
e e e e			26/2		clear	patchy	overcast	drizzle	shower
END	1100	76	6	\$_	Clear		overcast	drizzle	shower
Habitat On	-site (circle)	: Open soils	hilltops adges	ock outc	rops, soil crus	sts, clay soils	s, old roads	, various n	ctar sources
A			Species				Tally		Total
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A. Vila	with.	n							5
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGO SPECIES LIST (NECTAR SOURCES, GEN	ERAL WILDLIFE LIST)
12	115 0561129 UTM 3617395	Collensia ~50 plants	Potential Lowe
12	115 0561368 UTM 3617481	Collensia ~ 30 plants	
<b></b>			
		CryptonTky	
		Goldfields	
,		Cryptantes Goldfields Collensia	
		•	
		-	
OTAL NILIM	BER OF QCB DE	FCTED: &	INDIVIDUAL

Recorder:	Recorder: MINE COUFFERD Add'l Person: NONE Date: 7 MAY, 2010								
Project: Manzanita Wind Energy Project Map #: MAP TILE 24 Survey Sxn: CAMPO - R )									
GPS Unit: GARMIN 10 QCB Protocol Survey # 5 of 5.							5 .		
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	0838	72	HOM F <- X	CLEAR	clear	patchy	overcast	drizzle	shower
	0900	73	Ø->8	CLEAR	clear	patchy	overcast	drizzle	shower
21.77	1000	75	8->8	CLEAR	clear	patchy	overcast	drizzle	shower
	1100	76	Ø-> 6	CLEAR	clear	patchy	overcast	drizzle	shower
	1200	83	Ø >> 4	CLEAR	clear)	patchy	overcast	drizzle	shower
	/300	28	Ø->2	CLEAR	clear	patchy	overcast	drizzle	shower

Habitat On-site (circle): open soils hilltops ridges rock outcrops soil crusts, clay soils old roads various nectar sources

(clear)

patchy

overcast

drizzle

shower

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1500HRS, 84°F. 1-> 4 MPH, CLEAR **Butterfly Species** Tally Total IN FIELD NOTEBOOK ACMON BLUE 64 SARA ORANGETIP 25 HENNE'S CHECKERSPOT 54 ų. PALE TIGER SWALLOWTAIL 3 CALIFORNIA MARBLE 1 PAINTED LADYD  $\bigcirc$ CALIFORNIA SOOTYWING u u 8 FUNEREAL DUSKYWING GABB'S CHECKERS POT i, WEST COAST LADY 11 1 BEHR'S METALMARK 7 HARFORDS SULPHURS 4 W QUIND CHECKERSPOT BUTTERFLY 1 SPRING WHITE W **7**J SPRING AZURE 8 PERPLEXING HAIRSTREAK ħ る GORGON COPPER (LYCAENA GORGON) 11 ス SOUTHERN BLUE Ų, 11 1 BUCKEYE

MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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TOTAL NILIM	BER OF QCB DE	TECTED: (1) INDIVIDUAL

Page <u>7</u> of <u>7</u>

Recorder:_			[[Add']				Date: _	5/7/	<u> </u>
Proje <b>ct</b> :	Coin p Manzon	ಎ ita Wind En	ergy Project	Мар	#: <u>\S</u> -	. 16	Survey	Sxn: (au	~ P
GPS Unit :		6				ocol Surve <b>y</b> #	5_	of	<u>5</u> .
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	13 45	79 0	6/7	0	Clean	patchy	overcast	drizzle	shower
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	,,,,,,	131.	9/1		clear		overcast	drizzle	shower
					clear		overcast	drizzle	shower
					clear		overcast	drizzle	shower
					clear	, <u> </u>	overcast	drizzle	shower
END					clear		overcast	drizzle	-shower
	-site (circle)	onen soils	hilltops, ridge	s rock puter					
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		Butterfly	y Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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Recorder:	Dale	Pow	<u>ell</u> Add'I	Person:	John	BOST	C Date:	5/7	10
Project:	(On h	(ပဲ ika Wind End	ergy Project	Map	o #:	8	Survey	/ Sxn: <u> </u>	mpo W
GPS Unit :		6					#5		•
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	8772	3 (0	5/6		Clea		overcast	drizzle	shower
	10.00	75°	- 6/1-8 	9	clea		overcast	drizzle	shower
	13/35	78	<del>- 3/8</del>	8	Cleà		overcast	drizzle	shower
	(2,2)	$T \circ$	7/0		clea		overcast	drizzle	shower
•					clea		overcast overcast	drizzle drizzle	shower shower
END					clea		overcast	drizzle	shower
	-site (circle)	: open soils,	hilltops, ridge	rock out			ils, old roads		
			/ Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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TOTAL NUM	BER OF QCB DE	TECTED: INDIVIDUALS

Page 2 of 2

			Quino Che			tocol Surve	у		
	220				ata Sheet				
Recorder:	MINE	COUFF	ERAdd'l	Person:	N rmmil	1 CMORRA	Oate:	Z MAY	2010
			y Project						
GPS Unit :	GAR	min 7	<u> </u>		QCB Proto	ocol Survey	# <u> </u>	of	.5 <u>.</u>
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky	-	*
START	1215 HES	79	4->11	CLEAR	Ciear	patchy	overcast	drizzle	shower
	1300	77	2->6	CLEAR	Cléar		overcast	drizzle	shower
	1400	78	4->14	CLEAC	ctear		overcast	drizzle	shower
	1500	79	4->9	CLEAR	clear	patchy	overcast	drizzle	shower
	1520	78	Z -> 7	CLEAR	clear	patchy	overcast	drizzle	shower
	14. 4	r i e			clear	patchy	overcast	s drizzie	shower
END					clear	patchy	overcast	drizzle	shower
Habitat On	-site (circle):	open soils	hilltons, ridge	s, rock outc	rops, soil cru	ısts, clay so	ils, old roads,	various nec	tar sources
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			y Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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MCHL27	POINT	
MCHL28	Point	
MCHL 29	POINT	
MCHL 30	Point.	
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	BER OF QCB DE	TECTED: INDIVIDUALS

Page <u>2</u> of <u>2</u>

Recorder:	Mike	Couffe	Add'l	Person:	Jimmy M	IC MORRAN	) Date:	8 may	2010
Project: Campo Wind Energy Project Map #: MAP TILE 5 Survey Sxn: CAMPO - C								0-C	
GPS Unit :	GAR	MIN Z	<u> </u>		QCB Proto	ocol Survey #	<u></u>	of	. 5 <u></u>
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	0845 HB	66	&->3 mph	CLEAR	clear	patchy	overcast	drizzle	shower
	0900	71	Ø-13		clean		overcast	: : drizzle	shower
	1000	72	1-54	CLEAR	cléai	patchy	overcast	drizzle	shower
	1100	72	1->4	CLEAR	elear	<u> </u>	overcast	drizzle	shower
	1200	74	U->9 mPy	CLEAR	clear	*	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
END					clear	patchy	overcast	drizzle	shower
Habitat On	-site (circle)	open soils	hilltops <b>y</b> ridges	sorock outcr					
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		Butterfl	ly Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
MCHL24	Point	
MCHL25	Point	
NUMBERED P	DINTS REPRESENT LO	PATIONS WHERE COLUMNIA SP. WAS MARKED.
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TOTAL NUMBER		TECTED: ~/ INDIVIDUAL C
TOTAL NUMB	BER OF QCB DET	rected: individuals

Page <u>2</u> of <u>2</u>

Recorder: Dale Powe		Person:	nohn!	Bostick	Date:	5/8	10
Project: Managhita Wind Er	nergy Project	Map	#: 10,1	5.16	Survey	Sxn:	J.H of
GPS Unit :	? ?		QCB Prot	ocol Survey #		of	5 .
TIME (24-hour) Temp (F°):	Wind (avg/max)	% CC			Sky		
START 3:30 63	7/8		clea	7	overcast overcast	drizzle drizzle	shower shower
120 20	8/12	3	clea		overcast	drizzle	shower
430 76	8/1	Q	t clea	patchy	overcast	drizzle	shower
15 15 7-70	11114	0_	Clea	patchy	overcast	drizzle	shower
			clea		overcast	drizzle	shower
END     Habitat On-site (circle) eper soils	dillione etdas	s rock outco	clear		overcast	drizzie	shower
Trabitat OTF-site (Grole) Soperi sous	, dintops, dage:	S, IBOK OUICI	ops, son ci	usis; clay sons	Cold Toads,	Various nec	
Butterf	ly Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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Page 2 of 2

				Field L	ala Sneet				
Recorder:_		Powell	L Add'l	Person:	John !	Bestick	Date: _	5/8	110
Project:	_Manzan	ು ita Wind En	ergy Project	Мар	#:	16	Survey	Sxn:	meH
GPS Unit:		6			_ QCB Prote	ocol Survey#	5	of	_5
TIME (2		Temp (F°):	Wind (avg/max)	% CC			Sky		-
START	35:20	780	5/7	7	clea	r patchy	overcast	drizzle	shower
	16120	75	6/9	0	Clea	patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
					clea	г patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
END					clea		overcast		shower
	-site (circle):	open solls	dilltops, didges	s, rock out					
	( ,				, ,	, <b>,</b>	,		No. of Concession, Spinster, or other party of the Concession, Spi
···		Butterfl	y Species				Tally		Total
Sava	5 Ovou	. (	1		-	HI	<del></del>		3
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<u> Dehv</u>	s Mula	Miner				IH			
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Acm	non Ble	n <i>d</i> i				11			2
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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616	Point	Collinsia
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TOTAL NUME	BER OF QCB DET	rected: Individuals

Recorder:_	Marg	ie Mul	11999 Add'l	Person:			Date:	5/11/	2010
Project:	Campo	Wind Energ	y Project	Map#:_	13-1		_ Survey S	kn:	
			***				5	of	5 .
TIME (2		Temp (F°):	Wind (avg/max)	% CC			Sky		
START	1330	74"	2-4	5	clear	patchy	overcast	drizzie	shower
	1545	740	3-6	0	elear	<b>p</b> atchy .	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
	٠.				clear	patchy	overcast	drizzle	shower
			. *		clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
END					clear		overcast	drizzle	shower
	-site (circle)	epen soils.	hilltops ridge	rock outc			s. old roads	. various(ne	ectar sources
						,,	-,	,	
		Butterfi	y Species				Tally		Total
Behr	's Mel	almark		•					32
		skywi							1
216	44 64	J	7			•			2
DUSE									4
Acu	Son Bi	JE							
Che	dered	White							3
	coly N								2_
Da		llowtai	H						2_
5		grange							2
		Society							3
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
MMLB01	Sensitive plant pt	100 plants Linantaus bellus
MMMVCAOI	11 )	20 plants Mucronea California
MANASRPOL		Astropalus do ogtasii porstrictos 2 plants
MMHLOI	Sensitive Lizard pt	Horn Lizard
MMH202	11	Horn Lizard
annes one se	Sensitive plant st	Dent Astrogates dooglassi perstrako
		, ,
Nectuv		
Source:		Erysinum capitatim c.
		Minulus fremontii
		Cryptautra spp.
		Letis stricesus
		Layin glandulosa
		Lasthenia gracilis
		U
		-
	-	
TOTAL NUM	BER OF QCB DET	TECTED: D INDIVIDUALS

Page 2 of 2

Recorder:	Maro	JIC MU	11/59 1/Add'I	Person:			Date:	5/11/	20/0
Project:	Campo	Wind Energy	y Project	Map #:	7+8		_ Survey Sx	n:	_
		1/2		,			(a/Maga	=15/M	14P 7-F)
GPS Unit :		1)			QCB Protoco	Survey #	@[nipo	<u> </u>	5
			Wind						
	24-hour)	Temp (F°):	(avg/max)	% CC			Sky		
START	0900	65°	0-2	0	clear\	patchy	overcast	drizzie	shower
	1300	210	2-5	- 0	clear	patchy	overcast	drizzle	shower
	1900	/ /	1-3	3	clear	patchy	overcast	drizzle	shower
9 7			* .		clear	patchy	overcast	drizzle	shower
					clear	patchy patchy	overcast overcast	drizzle drizzle	`shower' shower
END					clear	patchy	overcast	drizzie	-
	-site (circle)	: open soils	hilltops, ridges	rock outcr	ops, soil crusts				
						-, <b>-,</b> -,			
		Butterfly	Species				Tally		Total
Behr'	s Met	almark	•						35
i -		White						· ;	5
Dusk	ywing								3
* 62°	on Blu				.et				16
Savo	2 5 Or	anger	?						4
		skywin							
		WKite							
Ora	mae 51	lfor						÷	
Pale	Swa	llowfail							
(on	mon s	Saty wi	29	. ,			-		3
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Neota	r plan	ts;	Phacelia	a brach	4/069		-		
			ny plan;	Tag 50,00					
		L	asthen	a arec	ilis fortiflori sissimum noe				
			Saphalle	im Com	Got flor	n			
		3	ic instru	ins als	1 & C. m.	_			
		ماح کار	1000	1.4100 600	300 m ( V p				
		7	endron	a Acaia	10 C Sal 40				
			scholtz	is Co	1. Lunion				
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			itus chi	'an luc	Je our II.	14-1			
			ancolir	dictor	penduli s			- ma	
		1-1	msioav	an an	11-2				
			ALA C	All and	/219				
			engia	Janau	(00-10		•		

Page 1 of 2

MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
MMCHOL	HOST PLANT PT	50 plants Collinsia
02	17	40 plants "
03	٠,	50 plants "
04	. 11	50 plants "
05	11	1 plant "
MMDEPSOI	Sensitueplant ot	Delphinium parishii subglobasum loplants
02	)	1. 20 play tr
03	l)	25
oy	4	15
05	tı	12
05	1,	20
07	l i	100
08	(1)	50.
09	. 14	25
10	(1)	50
[]	17	50
/2	11	<b>a</b> 25
MM6EVI01	t e	Geraca viscids 10 plants
02	14	3 '
03	14	11 /0
MMLASPOI	V	latingrus solenders I vine
MMLIBEDI	ìr	Linanthus bellus 50 plants
NIMABER		
MMASDPOI	* 1	Astragalus dou glasii parstrictus 2 plants
MMASPO2	16	1 plant
	•	
TOTAL NUMI	BER OF QCB DE	TECTED: 1NDIVIDUALS

Page 2 of ~

# 0

Recorder:_	Dale	Pow	<u> </u>	Person:			Date: _	5/12	10
Project:	Campo	Wind Energy	y Project	Map #: _		7	Survey Sxi	n: <u>Camp</u>	6 D
GPS Unit :		6			QCB Proto	ocol Survey#		of	5 .
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC		· · · · · · · · · · · · · · · · · · ·	Sky		
START	915	G70	4/6		clear	patchy	overcast	drizzle	shower
	67.11	710	5/8	0	Clean	patchy	overcast	drizzle	shower
	1340	750	417	(5)	clear	patchy	overcast	drizzle	shower
	16 00)	720	6/8	8	Ciea	patchy	overcast	drizzle	shower
	, , ,		<del>*/ '</del>		clear	· · · · · ·	overcast	drizzle	shower
	:				clear		overcast	drizzle	shower
END					clear		overcast	drizzle	shower
	-site (circle)	open soils.	hilltops ridges	rock outer		usts, clay soils			
	0.10 (0.10.0)	· Spanie,		2.00.00.00.	opo, <u>ea </u>		Color tours		
	, .	Butterfly	/ Species		a.		Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
	¥**	Evadium
·		lavia
		Lasthenia
		Casasthus
		Acaris
		Estrameria
		Dick of stema
	. /	Evertantha
		Playso bothyrs
		Descusora
	*	Phacelia (2)
		Salvid columbarios
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801	Peint	Colling
- V	11	11
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TOTAL NUMI	BER OF QCB DE	ΓECTED: () INDIVIDUALS

Page a of a

Recorder:	Natalie	Brodie	Add'l	Person:	Josh		Date: _	12 May	2010
Project:	Campo	Wind Energ	y Project	Map#:_	4		_ Survey Sx	n:E	>
GPS Unit:	Garn	rin 9			QCB Prot	ocol Surve <b>y</b> #		of	5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC	1		Sky		- <del>1112</del>
START		670		8	Clea	r patchy	overcast	drizzle	shower
	1220	70°	calin	0	clea		overcast	drizzle	shower
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	clea		overcast	drizzle	shower
					clea		overcast	drizzle	shower
					clea		overcast	drizzle	shower
					clea	· · · · · · · · · · · · · · · · · · ·	overcast		shower
END	1415	70°	calm/2	d	clea			drizzle	
			hilltops ridge:				overcast	various ne	ctar sources
	(00.7	( Political )	99	o, look outo		doto, olay com	0101000	-LUI)OGO IIO	otor sources
		Butterfly	y Species				Tally		Total
Funer	eal Ds	Kywina				l ilit			4
Sara	orange	kywing tip							i
Benrs	metalm	ark			· · · · · · · · · · · · · · · · · · ·	MIN WIN			23
	· blue						· ·		4
	-					JK JH			10
Propert	ius dusi	ywing							1
(A M	ar ble	1				1			
	Lady					11			2
	Swallo					)\  }\			2
	seshell								1
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POINT/POLYGON TYPE	SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
	ground pink, gold fields papearn flower
	Collinna sp. 15+
	Cordy lanthus 35+, seathered along trail
	Cordylanthus 35+, seathered along trail Antivrhinum cov., 10+ individuals
	Collingia sp. < 10, scattered
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	TECTED: SINDIVIDUAL

Page 2 of Z

				Field Da	ata Sheet					
Recorder:	Natalic	Bradie	Add'l	Person:	losh			Date:	12 Ma	y 2010
Project: _	Campo	Wind Energ	y Project	Map#:_	3			Survey Sx	(n: <u>B</u>	
GPS Unit	: Garm	in 9			QCB Prof	tocol	Survey #	6	of	5
	24-hour)	Temp (F°):	Wind (avg/max)	% CC				Sky		
START	0900	610	calm	×	clea		patchy	overcast	drizzle	shower
	1010	65°	Calm	9	clea	ar)	patchy	overcast	drizzle	shower
Step	1100		caim	W	clea		patchy	overcast	drizzle	shower
Start	1415	70°	calm	Ø.	clea	ir)	patchy	overcast	drizzle	shower
	1				clea	r	patchy	overcast	drizzle	shower
20.21 20.00	1.125	210			clea	*****	patchy	overcast	drizzle	shower
END	1435		calm/2	Ø	clea	ır)	patchy	overcast	drizzle	shower
Habitat Or	ı-site (circle)	: open soils	hilltops, ridges	s, rock outcr	ops, soil cr	usts	, clay soils	, old roads,	warious ne	ectar sources
		Butterfl	y Species					Tally		Total
Belles	metalma	ivk				IHT	I'NI X			16
	Swallow					n				2
	elfin	le Min	76 - 16 - 16 - 16 - 16 - 16 - 16 - 16 -			1				l
Funered	d Dusk	ywing				1				)
Sava	orang	etio				11				2
Sprino	g while	٢				M		***		50
	n. blue		3			IHT	4			6
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		goldfields papearn Flower
NBGHOI		collinsia sp. 20+, sparse scatter
NBCHOZ		Collingia sp. 6 individuals
NB4403		Collingia Sp. 5+
NBCHOL		Collinsia sp. 10+ scattered
18002		Cordylanthus, 20+ on wad edge
16CHO7		Collinsia sp. 35+
TO CITO		
		·
		•
	  BER OF QCB DE	TECTED:

Page <u>2</u> of <u>2</u>

Recorder:	Natalic	. Brud	Add'I	Person:	Josh		Date: _	12 May	2010
			y Project					·	
GPS Unit:	Garm	iin 9			_ QCB Prote	ocol Survey #	5	of	5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	1445	710	2/5	Ø	çlea	nr patchy	overcast	drizzle	shower
			·		clea	er patchy	overcast	drizzle	shower
			<u> </u>		clea	r patchy	overcast	drizzle	shower
					clea	· · · · · · · · · · · · · · · · · · ·	overcast	drizzle	shower
	ļ	-		<u> </u>	clea	·	overcast	drizzie	shower
		1 75 5			clear		overcast	drizzle	shower
END		690		(S)	clear	r ) patchy	overcast	drizzle	shower
Habitat On	-site (circle)	: open solls,	hilltops, ridges	3, rock outc	rops, soil cr	usts, clay soil	s, old roads,	various ne	ctar sources
		Butterfly	y Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
	·	gold helds, poporn flower, ground pink
		5
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TOTAL NUM	BER OF QCB DE	TECTED: INDIVIDUALS

Page 2 of 2

Deservedent	Villago	Maria	ez-Waller		ata Sneet		5.	E112	1.0
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			gy Project				- n	Annual Control of the State of	- A
GPS Unit :	Gar	min /	2		_ QCB Prot	ocol Survey #	5	of	5
	24-hour)	Temp (F°):		% cc			Sky	***************************************	
START	10:45	71,4	1.2/1.7	CJ.	clea		overcast	drizzle	shower
	12:40	26,3	1.6/4.6	Ø	clea		overcast overcast	drizzle drizzle	shower shower
	. / /	0 - 0			clea	¬ ' ' '	overcast	drizzle	shower
	14:00	75.8	2,1/5,4	Ø	clea		overcast	drizzle	shower
END	15:20	7.6	99/11/	Ø	clea		overcast	drizzle	shower
END Habitat On		Open soils	2.8 / 4.6 chilltops ridges		clea		overcast	drizzle	shower
Tidbitat Off	Site (Girole)	. open sons	Crimops, nages	s, Tock outc	10ps, 30ll Ci	usis, clay sol	is Old Toads	Various ne	Scial sources
	2000	Butterf	ly Species	****	2		Tally		Total
7	ineral 1	Dusky 6	Juna			//	70 30 H0.55.	,,,,,,,,,,	2
Sa		rangeh	1			7744			5
ac	mon E	Blue	<i></i>			HU 1	W TH	230-49	15
So	Sether	-				1111			4
Se	hr's Me	etalma	rk	<i>y</i>		M	1111		9
Mo	arbled	White			25 00 000 000 000 000	1			1
10	du 50				*	/		8000 - W	1
p	lacine	Blue				1			17
F	Blue Sp			*		111			3
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
VMCHOI	Collinsia heteros helle	5 plants
VMCHOZ	Collersia heterophylle	= 15 plants
VMCHO3	vi /r	100 plants
VMBJOL	Black traded Jackraph	t one seen here
VMBJ02	11	two seen here
V / Y OU LE		Crystastha Sp.
		Cryptantha sp. Gold fields
		wooly blue curls
		chia
		Ground Perk
		hrance typ.
		perstemon sp.
		Spotted towhere
		Palyome towhere
		Blackchinned sparrow
		Raven
		California Throsher
		Scrib jay humminghood sp
		red-tailed hawk
		Lazuli Burting
		Lark Sparow
		l ,
		Horned Larks Tarkey valture
		J
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TOTAL NIIM	BER OF OCR DE	TECTED: Ø INDIVIDUAL

Page 2\_\_ of 2\_\_

area surveyed is marked on map 19M

	11.			Field D	ata Sheet				<b>1</b>	
Recorder:	VIVIan	eMag	UEZ Add'I	Person: <u>〔</u>	John		Date:	5/12/1	0	
Project:	Campo	ں Wind Energ	y Project	Map #: _	19		_ Survey S	cn: 0 +	p & did	N
GPS Unit	Garn	nui la	2		QCB Protoc	col Survey #		of		u
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC		-	Sky			٦
START	8:35	65,3	0.5/1,2	Ø	clear	patchy	overcast	drizzle	shower	
				· ,	clear	patchy	overcast	drizzie	shower	_
	9:45	69,50	22/28	Ø	clear	patchy	overcast	drizzle	shower	$\dashv$
					clear	patchy	overcast	drizzle	shower	$\dashv$
					clear	patchy	overcast	drizzle	shower	$\dashv$
	in crim	7, 20	23/54	1	clear	patchy	overcast	drizzle	shower	$\dashv$
END	10:95	ک <i>ہ 6ا</i>	2.3/5.4 hilltops, ridges	y rook outo	clear)	patchy	overcast	drizzle	shower	_
парна Оп	-site (circle)	. open sons,	, miliops, nuges	s, rock outc	rops, son crus	sis, clay son	s, olu roaus	, various ne	ciai sources	
		Butterfl	y Species				Tally		Total	٦
	Roman.	Blue				1-4	+ 11		7	٦
	Marine					F	/		/	
			lmark			74	1 11		7	7
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<u>c</u>	0	- Orar	petip				<u> </u>		,	$\dashv$
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		american Crow
		Cryptanthe Sp.
		endum so
		Calyonne du ail Somb joig Coyote Scat
		Scrub joing
-		Coyote Scat
		Chia
		Californie Towhee Lesser Goldfineh
		Californie Towhee
		Lesser Gold Fineh
		Mourning Dove
		Lupine sp. Annual Lokus House Linch
		Annual Lokus
		House finch
		· ·
	BER OF QCB DE	TECTED: INDIVIDUAL

Page <u>2</u> of <u>2</u>

				r lelu D	ata Sileet				
Recorder:	BRI	AN Lohs	Troly Add'I	Person:	Philip		Date: _	5/1	2/10
Project:	Campo	Wind Energ	y Project	Map #: _	21		Survey Sx	n: <u>//</u>	,
GPS Unit	Gras	MIN [			QCB Proto	ocol Survey#	5	of	5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% cc			Sky		
START	1330	76	7-7	0	clea	patchy	overcast	drizzle	shower
	1430	74	Ž~\$	0	(lea	) patchy	overcast	drizzle	shower
		,	J /		clear		overcast	drizzle	shower
					clear		overcast	drizzle	shower
					clear		overcast	drizzle	shower
					clear		overcast	drizzle	shower
END	1530	73	3-17	0	lear		overcast	drizzle	shower
				s, rock outc		usts, clay soils			
	(/	, , ,	, , , , , , , , , , , , , , , , , , ,	-,		, <b>,</b>	,,		
		Butterfi	y Species			:	Tally		Total
Dante	1 .0.						<u> </u>		1
Tracin 14	lavo	<b>4</b> .							4
2007									<b></b>
Ov	5)44 WI	ind SA							
Aci	man h	11/4							5
1		Sulah							
FIZM	THIN	Colaim	4	ν.					
Ora	rge TA	(56/0	1)						
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
BLCHOS	host plant patch	300 + ind
BLCHO9	ો	300 + ind
		Lego
		BCSA
		Bewe
		BCSP
		Webli
-		Bush
		WBNH
		Lago
		2 bee swarms
	·	Nector sources: Cry Ptentha Dichlostemma
		botes soprios sorganis Phacelia distans.
		Domi cheanoits SAD encameria
	·	Emmeronthe, Eno phyllum wallacki
		ailia SAP, chia Paintboash Mynulus Aug
		Denturin Minutes bagginger Scraph col
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		* .
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	BER OF QCB DE	TECTED: DINDIVIDUALS

Page 2 of 2

Recorder:	Brian	Lohstr	2/1_Add'I	Person:	Philip		Date:	5/12	110
Project:	Campo	Wind Energ	y Project	Map#:_	20		_ Survey S	xn:	
	Garm					ocol Survey #		of	<u>5</u> .
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	0845	63	0-1	0	clea	patchy	overcast	drizzle	shower
	1210	74	0-3	0	clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
					clea		overcast	drizzle	shower
	150		0 / 1	- R	clear		overcast	drizzle	shower
END	1300	79	0-4	0	clea		overcast	drizzle	shower
Habitat On	-site (circle)	: open solls,	hilltops, ridges	s, rock outci	rops, son cr	usts, clay soll	s, old roads	, various ne	ectar sources
		Butterfly	y Species				Tally		Total
130115	Metal	Wark			•		38		58
David	70 1	l							2
Arian	Also	4							3
Durk	u wind								5,
Gran	hairs.	4.00.1							1
NI	//						-		i
Fall.	Sivallo	1 4		/					
sara		yetop							6
Hart	brold '	Sulph	er						
4									
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
BLCHOI	host plant patdy	100+ individuals
BLC1+02		30+ "
BLCHO3		40 4 "
13LCH04		500+ 11
BLCH05		500+ 11
BLCH06		100+ 1
BICHO 7		100+ 1
BICH OM		700 A 1 47
BUCHBEI		4064/W/
BLHLOI	horred Lizard	4
BLHL02	· iq	<del>1</del> 0
		BCSP ACWD BUSH
		CALT SCTA BEWR
		CORA SPTO Wren
		RTHA RHGR
		Conste + Pup + den
		cottontail CA ground squirel
		Nectal sources: Chearactis spo cryptanita
	, , , , , , , , , , , , , , , , , , , ,	Delphinium Loty Strigger, Gilia SPP
		lasthenia Lineuthy bellus graitly
		hopino SAP, Lapia, Seneiro Cal Lotos
		agrophy los
		37
TOTAL NUM	BER OF QCB DE	TECTED: Ø INDIVIDUALS

Page 2 of 2

Recorder:	Mike	COUFFER	Add'l	Person:	NONE		Date:	12 Ma	<u>4, 2010</u>
Project: Campo Wind Energy Project Map #: \\ \in \text{IZ} Survey Sxn: \( \text{CAMPO} - \)								20 - C	
GPS Unit	GPS Unit: GRAMIN 3					ocol Survey#	5	of	5
TIME (	24-hour)	Temp (F°):	Wind (avg/max)	% cc			Sky		
START	0845	05	Ø	CLEAR	clea	patchy	overcast	drizzle	shower
	0857	67	Ø->1m9H	CLEAR	clea	patchy	overcast	drizzle	shower
			_		clea	r patchy	overcast	drizzle	shower
	1400	72	3->5 MPH		clea	patchy	overcast	drizzle	shower
	1500	73	3->11 MPH	CLEAR	clea	patchy	overcast	drizzle	shower
					clea	·	overcast	drizzle	shower
END	nite (nirola)	Anon coile	<u> </u>    hilltops, ridge:	rook outo	clear		overcast	drizzie	shower
Habitat Or	i-site (circle)	open sons,	milliops, ridge	s, rock outc	rops, son cr	usis, ciay solis	Old Toads	various nec	ital sources
		Butterfi	y Species				Tally		Total
BEHO	S META	IMAOK	<u> </u>			IN FIELD	NOTEBO	OK	76
	ORNIA						11		1
l	HERN B						11	· · · · · · · · · · · · · · · · · · ·	1
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)						
MCHL31	Point	Juyenice						
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TOTAL NUM	BER OF QCB DET	TECTED: INDIVIDUALS						

Page <u></u> of <u></u>

Recorder:_	Mike	COUFFE	1.ppv <u> </u>	Person:	NONE		Date: _	12 MA	7, 2010
Project:	Campo	Wind Energ	y Project	Map #: _	TILE IL	120	_ Survey Sx	n: CAMP	0-E
GPS Unit :	_GA	<u>กที่พ</u>	3		QCB Proto	ocol Survey#	. 5	of	5 .
TIME /2	/ hour)	Tomp (E°):	Wind	% CC			Sky	•	
START	4-hour) 0900	Temp (F°):	(avg/max)	CLEAR	clear	patchy	overcast	drizzle	shower
·	1000	7/	Ø - 2 men	CLEAR	(clear	<del></del>	overcast	drizzle	shower
	1100	72	1->4 MPH	CLEAR_	clear	~	overcast	drizzle	shower
	12.00	74	1-> 3 MOH	CLEAR	clear		overcast	drizzle	shower
	1300	73	1->4 MPH	CLEAR	clear	patchy	overcast	drizzle	shower
	1345	マこ	3-25 MPH	CLEAR	clear	patchy	overcast	drizzle	shower
END					clear	patchy	overcast	drizzle	shower
Habitat On	-site (circle)	: Opèn sois	hilltops, ridge	rock outc	rops, soil cru	ısts, clay soil	ls, old roads	various ne	ctar sources
		Butterfl	y Species				Tally		Total
BEHRS	METALM	IARK				IN FIE	O NOTER	2012	60
	CRANGE	•					11		7.
_	BUE						28		
		sywind G					3		
	N AINS						11		1
Sprin	16- WHITE	Ē				N.			9
		OHIWYTO					t C		4
		JALLOWTA					C)		1
		ADY					11		1
	16 AZU						11		21
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141 00 00 00	^	SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
NUMBEREO	POINTS REPRESEN	T COLLINSIA SP. LOCATIONS.
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TOTAL NILIMI	BER OF QCB DE	TECTED: INDIVIDUALS

Page <u>2</u> of <u>2</u>

# Quino Checkerspot Butterfly Protocol Survey

			Quino one		ata Sheet	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	oi oui vey			
Recorder:_	DK. FAU	ikner	Add'l	Person:	BO			Date:	13 MM	2610
Project:	Campo	Wind Energy	/ Project	Map #: _	14			Survey S	(n; <u>C</u> AN	100 K
GPS Unit : #6					QCB Prot	ocol	Survey#_	6	of	5 .
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC				Sky		·
START	1300	79	4	Ø	clea	<u> </u>	patchy	overcast	drizzle	shower
	0367	79	4	10	clea		patchy	overcast	drizzle	shower
	1460	17	4	10	Clea		patchy	overcast	drizzle	shower
	1500	76	7	<b>\$</b>	clea	<u></u>	patchy	overcast	drizzle	shower
					clea	r	patchy	overcast	drizzle	shower
					clea	r	patchy	overcast	drizzle	shower
END	1600	76	5	Ø	Clea		patchy	overcast	drizzle	shower
Habitat On	-site (circle)	epen soils,	filltops, ridge	s) rock outc	rops, soil cr	usts,	, clay soils	, old roads	various 🕰	ctarsources
		Butterfly	/ Species					Tally		Total
P. eur	umedon									5
A. Vin	7. A+i									q
P. Ac	mon									16
A. Se	tra .			•						(
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
414	8	
	9-10	Antirolymum.
		nector: Blue docks
		nector: Blue docks.  Cryptath  Goldfields
		Goldfields
		Gallensia Gallow ymrow deer weed
		gellow ymrow
h. 1960		deer weed
TOTAL NUMI	BER OF QCB DET	TECTED: INDIVIDUALS

Recorder:	DK. FAUI	KNER	Add'l	Person:	130			Date:	13M4	2010
Project:	Campo	Wind Energy	y Project	Map #: _	15			Survey S	xn: <u>Cam</u>	PO K
GPS Unit	#6				QCB Prot	ocol	Survey#	6	of	5
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC				Sky		
START	0900	68	· ·	Ø	Clea	<u>D</u>	patchy	overcast	drizzle	shower
	1000	7-5	1	Ø Ø	Clea		patchy	overcast	drizzle	shower
	iloo	76	<b>Ø</b>	Ø	clea	ar	patchy	overcast	drizzle	shower
				<u> </u>	clea	ır	patchy	overcast	drizzle	shower
					clea	er	patchy	overcast	drizzle	shower
					clea		patchy	overcast	drizzle	shower
END	1300	79	4	d	(ea		patchy	overcast	drizzle	shower
Habitat Or	ı-site (circle)	epen soils	filltops, (idge	s rock outc	rops? soil ci	rusts	s, clay soils	, <b>⊘</b> Id roads	>various <u>dr</u>	ctansources
		Butterfly	/ Species					Tally		Total
Enymin	is form	2î/A								3
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1 20	2-1									1
F. Di.	mede	и								2
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P. Pr	otodice.									
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
15 K	Mrk 1-3	Antirohymen > Red laure hets
	Mrk 4-7	Antirohymen > Patential Collensia > QCB laux hosts
		nector: Described
		Constante
		Blue decks.
		Mectar: Decrused  Cryptante  Blue decks.  Collegia
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TOTAL NUMI	BER OF QCB DET	TECTED: Ø INDIVIDUALS

Recorder:	Margi	e Mullia	999Add'l	Person:				Date:	\$5.1	3.2010
Project:	COMPO	₩ind Energ	y Project	Map #: _	1-J			Survey Sx	kn:	
GPS Unit		_			QCB Proto	col S	Survey#_	6	of	5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC				Sky		
START	0700	47	2-5	1%	clear	7	patchy	overcast	drizzle	shower
	1115	78	0-4	100/0	clear	<u> </u>	patchy	overcast	drizzle	shower
	1515	79	3-6(8)	15%	clear	<u></u>	patchy	overcast	drizzle	shower
					clear		patchy	overcast	drizzle	shower
					clear		patchy	overcast ·	drizzle	shower
					clear		patchy	overcast	drizzle	shower
END					clear		patchy	overcast	drizzle	_shower
Habitat On	-site (circle)	: open soils	hilltops ridges	rock outcr	ops, soil cru	ists,	clay soils	, old roads,	various ne	ctar sources
		-	/ Species					Tally		Total
	on Blue	,								55
	's Oran				-					5
West	ern tai	Ted-BI.	باه ا							
Pale	Swallow	Hall								12
	's Meta									72
Gabb	's Check	Lerspot								3
Pain	ted Lad	7								3
Brow	in Ofin	n n								1
			·					-		
Dusk	ey wing	.0								3
Chec	Pered 1	white						•		3
	1 Hairst									<u> </u>
60vc	jun Coppe		~~~						<u> </u>	İ
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST
MMSTCAOL	sensitive plant pt	streptanthus campestris
MMSTCAOL	1	2 plants
03		11 10 plant
04		11 Splant
05		11 10 plant
06		11 I plant
07		11 loplants
MMHLOI	soushelmand pt	Horn Lizard
MMA COI	Host plant pt	Antirchinum oulterianum 10 plants
		<b>)</b>
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				1 icia D			*		
Recorder:	Natalio	Brodie	Add'l	Person:F	milip.		Date:	13 May	2010
Project:	Campo	Wind Energy	y Project	Map #: _			Survey S	kn:A	<del></del>
GPS Unit :	Gari	min 9			QCB Proto	ocol Survey#	<u> </u>	of	5 .
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	1230	72°	4/8	10-20-1	Clea	patchy	overcast	drizzle	shower
	1330	740	2/8	10-20%	clea	) patchy	overcast	drizzle	shower
			,		clea		overcast	drizzle	shower
					clea		overcast	drizzle	shower
				1	clea		overcast	drizzle	shower
			- / .	-	clea		overcast	drizzle	shower
END	1600	70	3/6	10-20/2	clea	patchy	overcast	drizzle	shower
Habitat Or	-site (circle)	); open soils,	hilltops, ridge	es, rock outo	rops, son cr	usis, clay soli	s, olu luaus	, various n	ectal sources
		Butterfi	y Species				Tally		Total
Benvis	metaly	nark				MINKIMI	KIK I		37
			-			JKI(			5
Sara	ovande	tris				1			
	J	ie				JAN JAN 1			. 10
						1			1
						11			2
-	i elfin					11			2
		vtail				11	····		.2
		VY.				1			1
Pain	ted la	dy				1			2
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINT SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
NBARO1		Antirrhinum 10+
NBARO2	,	Antivrhinum 5+
NBARO3	_	Antirrhinum 25+
JBARO4		Antirrhinum 20+
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		and the second s

Page 2 of 2

Recorder:_	B. Lol	hstrah	Add'l	Person:	John	Escar	<u>})</u> Date: _	5/13/1	<u>'o</u>
Project:	Campo	Wind Energ	y Project	Map #: _	17,18,	19	_ Survey Sx	n:	
	1_				QCB Protoc	ol Survey #	6	of	5
		Temp (F°):	Wind (avg/max)	% CC			Sky		
TIME (2		74°F	0-1	0	Clear	patchy	overcast	drizzle	shower
SIAKI	1200	78	3-5		Thin clear	patchy	overcast	drizzle	shower
	1300	80			Hun clear	<b>pato</b> hy_	overcast	drizzle	shower
	1400	81	0-3	30	Thin clear	pateny	overcast	drizzie	shower
	4.				clear	patchy	overcast	drizzle	shower
	2				clear	patchy	overcast	drizzle	shower
END	1530	82	0-9	10	This clear	patchy	overcast	drizzle	shower
Habitat Or	n-site (circle	): open soils	,hilltops,fidg	es, rock out	crops, soil crus	sts, clay soi	is, old roads,	(Various ne	ectar sources
						·····	Tally		Total
		Buttern	ly Species	<u></u>					13
	n blue							, , , , , , , , , , , , , , , , , , ,	23
Beurs	the Pet 1	Now (c							2
perpl	- King h	airs frea	اد						H
Pale	Swaller	1tail							3
Sara	Ola	nge tip	- 			·	<u> </u>		7
							· · · · · · · · · · · · · · · · · · ·	···	<del></del>
COM	non s	ootywin	d				·····		1
Car	hern 1	NIVE.	9					· ·	
المراج	+ Cardy	Su(phe	en e						
Dai	400 1	. l .	- 1						<u> </u>
PAIN	+ (0	idy it bad	:						
W Ca	7 (204)	M ran	9						
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
BLHLOI	Point	Horned Lizard adult sunning on Branch
BLHLOZ	1,1	Abut Harred Lizard
BLCHOI	MASS Host Dant paid	Colinsia Petch 100 + Individuals
3LCH02	<u>t</u>	11 300+ 11
13LCH03	· · · · · · · · · · · · · · · · · · ·	11 / 1000 + 11
BLUHOH	14	(( /00+ 1)
BLCHOS	, 1	(1 100+ ,1
		SCIE BHGR WREN BEWR WEBB BGGN
		SPTO BTSP CALT RTHA COHU Welci
		HOFI CAQU
		W. Whiptail coard horned heard, where his
		5. Parific Rattle s Note, CA Tool (dead)
		Cotton tail, CA ground squirel
		Nectar Sources:
		Endium, Lopinus, pentlemons, corptantha,
	:	Cammissania + 11chostema Bluedicks,
		Eriophyllum convertiforum, chia Gilia spp,
		Lotus SPP minulus braviper, Princushians
	4 - Jan 19 - 19 - 19 - 19 - 19 - 19 - 19 - 19	Senacio CALifornia Lapto siphon Sp.
		Section Outprinte Pepis Signer Up.
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	BER OF QCB DE	TECTED: か INDIVIDUAL

Recorder:_	B. Lohs	moli	Add'l	Person:	John	Esc	iort)	Date:	5/13/1	10
Project:	Campo	Wind Energy	y Project	Map #: _	2			_ Survey Sx	kn: <u>~</u>	
GPS Unit :							Survey#		of	5 .
	4-hour)	Temp (F°):	Wind (avg/max)	% cc				Sky		
START	0850	69	0-1	0	-	clea	patchy	overcast	drizzle	shower
						clear	patchy	overcast	drizzle	shower
	<u> </u>		* *	<u> </u>		clear	patchy	overcast	drizzle	shower
						clear	patchy	overcast	drizzle	shower
		-		,	-	clear	patchy	overcast	drizzle	shower
		7005	<u></u>			clear	patchy	overcast	drizzie	shower
END	0930	72°F	0-1	0		(lear)	patchy	overcast	drizzle	shower
Habitat On	-sité (circle)	: open soils,	hilltops ridge	s, rock outer	rops, soi	Crusts	s, clay soils	s, old roads,	, va <del>lious ne</del>	ctar sources
	3	<u> </u>	- 0	·	<u> </u>	.		Tally		Total
A 5 /	- A ,	Butterny	/ Species					Tally	<del></del>	Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		BewR
		Scja
		BCSP
		WAVi
		cotton tail, coyote trak
		Side-blotched Lizard
	·	W. Fence Lizard
		Nectar sources: Eriophyllum wallacei,
		Cryptantha, Erodium, Lupinus concinus
		Cammissonia
*		
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TOTAL NUM	BER OF QCB DE	TECTED: $ ag{\phi}$ INDIVIDUALS

Page <u>2</u> of <u>2</u>

Project: Campo Wind Energy Project: Map #: 13 Survey Sxn: F  GPS Unit: Granin 9 QCB Protocol Survey # 5 of 5  TIME (24-hour) Temp (F): (avg/max) % CC Sty  START OCS Q C CAN S OBS Datchy overcast drizze shower olear patchy overcast drizze shower olear patchy overcast drizze shower olear patchy overcast drizze shower olear patchy overcast drizze shower olear patchy overcast drizze shower olear patchy overcast drizze shower olear patchy overcast drizze shower olear patchy overcast drizze shower patchy overcast drizze shower olear patchy overcast drizze shower patchy overca	Recorder:	Natalie	Brodie	Add'l	Person:F	Phillip		Date:	13 May	2010
Company   Comp										
TIME (24-hour)  START										
START 0860 (00° cam & clear patchy overcast drizzle shower loan patchy overcast drizzle shower clear patchy overcast drizz	TIME (2	24-hour)	Temp (F°):		% CC			Sky		
1015 65° caim   Clear patchy overcast drizzle shower   clear patchy overcast drizzle shower			1			clear	patchy	overcast	drizzle	shower
Clear patchy overcast drizzle shower   Clear patchy ove	O / Aiti					clea	patchy	overcast	drizzle	shower
Clear patchy overcast drizzle shower   Clear patchy ove						clear	r patchy	overcast	drizzle	shower
Clear patchy overcast drizzle shower						clea	r patchy	overcast	drizzie	shower
END 1145 107 2/6 107. Clear patchy overcast drizzle shower Habitat On-site (circle): open soils, hilltops, ridges, rock outcrops, soil crusts, clay soils, old roads, various nectar sources  Butterfly Species  Tally  Total  Behrs metal wark  Funeveal Wisky wing  Acmen blue  Painted lady  Spring white  Ripperhus Diskywing  Sarn orange hp  1  1  1  1  1  1  1  1  1  1  1  1  1						clear	r patchy	overcast	drizzle	shower
Habitat On-site (circle): open soils, hilltops, ridges, rock outcrops, soil crusts, clay soils, old roads, various nectar sources    Butterfly Species						clea	r patchy	overcast	drizzle	shower
Habitat On-site (circle): open soils, hilltops, ridges, rock outcrops, soil crusts, clay soils, old roads, various nectar sources    Butterfly Species	END	1145	600	2/6						
Behrs metalmark  Funereal Duskyming  Atomon blue  Painted lady  Spring white  Ropperhus Duskyming  Sara orangetip  I I I	Habitat On	-site (circle	): open soils,	hilltops, ridges	s, rock outc	rops, soil cr	usts, clay soils	s, old roads	, various ne	ctar sources
Tunereal Duskyning  Atomon blue  Painted lady  Spring white  Ropertius Duskyning  Sava orangetip  III  3  1  III  3  Third  Painted lady  III  III  III  III  III  III  III			Butterfly	/ Species				Tally		Total
Funereal Diskyning Atmon blue  Painted lady  Spring white  Roperhus Diskywing  Sara orangetip  III  III  7  III  III  III  III  III	Benve	innetalyno	15K				IN THE DATE HIS	THE HE WAY	l was in	54
Painted lady Spring white  Properties Deskywing Sava orangetip  1							l .			3
Painted lady Spring white I Ropertius Duskywing I Sara orangetip I I	ATION	a blue	7 22179				1471			7
Spring white  Roperhus Duskywing  Sava orangetip  1	1 '					· · · · · · · · · · · · · · · · · · ·	1			1
Rispertius Duskywing  Sava orangetip  1							í			1
						·	1			1
	Same	010-11-1-1	- juliug				1			j
	Java C	) ravage ;	<del>3/2</del>	······································						
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST				
		goldfields, poporn flower ailia ap, tidy tips				
		groundpink				
NBGHOI		Collinson Sp. 250				
NBCHUZ		Collinsia sp. ~30 individuals				
NBCH03		Collinsia sp. ~30				
NBCODI		Cordylanthus 35-40				
NBCHO4.		Collingia Sp. ~30				
NBHLOI		Horned lizard				
		- 1				
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Page 2 of 2

Recorder:_	D. 10	Paris	]] Add'i	Person	Makin Managa	MAHAMAN STATE	LCT Date:	5/14	lio
	Campo		· ·		. 4	6			L/M/L
		(A:	7 1 10 000						
GPS Unit:					_ QCB Prote	ocol Survey #	<u>and</u>	<u>ソ</u> of	<u>5</u> .
TIME (24	1-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	1325	350	46	0	clea	patch	overcast	drizzle	shower
	(535	800	517	5%	clea	) patchy	overcast	drizzle	shower
	\$ 30	75	69	10%	clea	r patchy	overcast	drizzle	shower
	1600	70	45	5%	clea	patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
END			1 *124 * 1		clea		overcast	drizzle	shower
Habitat On-	site (circle):	open soils,	nilitops, riage	s, rock outo	crops, soil cr	usts, clay soil	s, old roads,	various nec	tar sources
		Butterfly	Species				Tally		Tota!
Jaras	<u> 012m</u>	T.0				WT 111			8
Behrs	11	un or K			14	141 140	HI HI HH	HHT HIT	38
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	Myenn !	Blue							<u> </u>
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST
		tayia
		Los Thenia
		Plasa bathys
		Constantha
		President
		Delah
		Eschschalzia
		Salvia columbonal
		Charnati
		(Veiom.
		Phacelia
		1 WELLEWA
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0.46	Point	
006	town	Callinsia
0025	HC H	II.
0023		
DIJK ~ D	<b>N</b> 5	
)PH602	Point	San Diego Horned Lizard
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- CO	· · · · · · · · · · · · · · · · · · ·	

Page 2 of 2

Recorder:	Mike C	OUFFER)	Add'l	Person:	None		Date:	14 may.	2010
Project:	Campo	Wind Energ	y Project	Map #: _	MAP TILE	19	_ Survey S	kn: <u>CAM</u>	0-N
GPS Unit :	<u>GARN</u>	S Min		· · ·	QCB Proto	ocol Survey#	6	of	5 .
TIME (2	(4-hour)	Temp (F°):	Wind (avg/max)	% CC		·	Sky		
START	1030	77	SY->3 MPH	CLEAR	clear	patchy	overcast	drizzle	shower
	1100	78	Ø->5 MPH	CLEAR	clear	patchy	overcast	drizzle	shower
	1500	80	Ø+3mph	CLEAR	clear	patchy	overcast	drizzle	shower
	1230	79	Ø->3 mpH	CEAR	clear	patchy	overcast	drizzle	shower
	•				clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizz!e	shower
END					clear		overcast	drizzle	shower
Habitat On	-site (circle)	pen soils	hilltops ridges	rock outc	<u>rop</u> s, soil cri	usts, clay soils	s, Old roads	various ne	ctar sources
		Butterfl	y Species				Tally		Total
ACIMA	N BLUE					IN FIELD	NOTERA	OK.	3
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
Mcwwo6	Point	
MCLA09	POINT	
COLLINSIA SP.	MARKED AS NUMBE	REO POINTS IN GARMIN MEMORY . WHERE POINTS
CREATE CIRCU	LAR POLYGONS THA	T END AT THE SAME START POINT, THIS REPRESENTS
A PATCH OF CO	LINSIA WITHIN THE	CIRCLE.
A.A.		
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TOTAL NUMI	BER OF QCB DET	TECTED: INDIVIDUALS

Page <u>2</u> of <u>2</u>

			Quino Chec		utterfly Pro ata Sheet	tocol Survey	•		
Recorder:	Mike	COUFFE	<u>- Add'l</u>	Person:	NONE		Date: _	14 May	<u>, 2010</u>
			y Project		_			_	
GPS Unit	GAR	nin.3		· .	QCB Proto	ocol Survey#	<u> </u>	of	5
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	1330	74	Ø>5 MPH		Clea	r patchy	overcast	drizzle	shower
	1400	73	Ø->3 MPH		clea		overcast	drizzle	shower
,	1500	75	Ø->3 MPH		clea	r patchy	overcast	drizzle	shower
	1600	75	Ø-> 1 MPH	1	clea	patchy	overcast	drizzle	shower
	1621	77	Ø->2 MPH	20%	clea	r) patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
END					clea		overcast	drizzle	shower
Habitat On	ı-site (circle)	open sorts	hilltope ridges	Prock outc	rops soil cr	usts, clay soil	old roads	various ned	ctar sources
						1			T - 2 -
Λ.			y Species				Tally		Total
Hamo	N BLUE					IN FIELD	NOTEBOX	)k	11
FUNER	EAL DUSH	sywing-					11		6
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	S METAL						ł (		49
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
MCHL33	POINT	JUVENILE
MCHL 34	Point	AOULT
	-	
COLLINSIA SP. F	LANTS MARKED AS	NUMBERED POINTS IN GARMIN MEMORY. WHERE
		THIS REPRESENTS A PATCH OF COLLINSIA WITHIN THE CIRCLE.
•	·	
-		
TOTAL NUM	BER OF QCB DET	TECTED: INDIVIDUALS

Page  $\overline{\mathcal{Z}}$  of  $\overline{\mathcal{Z}}$ 

Recorder:	Mike (	OUFFER	Add'l	Person:	NONE	>	Date:	14 MA	, 2010
Project:	Campo	Wind Energ	y Project	Map #: _	TILE 1	9	_ Survey Sx	n: <u>CAM</u>	PO-P
	GARM								<u>5</u> .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		W
START	0851		Ø->2 MPH	CLEAR	Clear	patchy	overcast	drizzle	shower
	0900	75 75	Ø	CLEAR	clear	patchy	overcast	drizzle	shower
	1000	81	Ø->2MPH	CLEAR	clear	patchy	overcast	drizzle	shower
		e Andrews		19 ·	clear	patchy	overcast	drizzle	shower
		8	20		clear	patchy	overcast	drizzle	shower
		4	75		clear	patchy	overcast	drizzle	shower
END	1874				clear	patchy	overcast	drizzle	shower
Habitat On	-site (circle)	open soils	hilltop ridge	sack outc	rops, soil cπ		s, old roads	various ne	ctar sources
	Si mana	Butterfl	y Species	-		· · · · · · · · · · · · · · · · · · ·	Tally		Total
Acmon	BLUE					ÎN FIELD	NOTEBOOK		7
BEHOS	METALW	IARK					11		5
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UNICH	CICHNOETT	<b>F</b>							
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
MCWWOI	POINT	
MC WW 02	Point	
Mc WW 03	Point	
MC WW04	Point	
MCWW 05	POINT	
NO COLLINSIA	PLANTS WERE OF	BSERVED OR RECORDED IN THIS SURVEY SECTIO
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		TECTED: // INDIVIDUAL
IOTAL NUM	BER OF QCB DET	IECTED. INDIVIDUAL

Page <u>2</u> of <u>2</u>

D	ΛΛαναί	ه المال ا	agh Add'i	Person:			Date: _	5.14.	2010
Recorder:_	To con all	C MOINT	Decinat	Man#:	10, 15, 16	I	Survey Sx	n:	
Project:	Campo	wind Energy	Project	мар <del>т</del>	1 - 1 - 1		<del>-</del>		_
					QCB Protocol	Survey #		of	5
			18/ind	1	T				
TIME /2	4-hour)	Temp (F°):	(avg/max)	% CC			Sky		
START	0900	700	2-7	0%	clear	patchy	overcast	drizzle	shower
	1215	70°	4-6	100/0	clear	patchy	overcast	drizzle	shower
	1515	790	4-6	20%	clear	patchy	overcast	drizzle	shower shower
					clear	patchy	overcast	drizzle drizzle	shower
				ļ	clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast overcast	drizzle	shower
END				Scools out	crops, soil crusts	patchy	is old roads	various n	
Habitat Or	ı-site (circle	) open soils	Militobs Gluge	S) TOCK OUR	5/0pa, (30/1 5/43tt	J-19/07 001			
		Quitarfl	y Species				Tally		Total
	51.		<del>, Opoulus</del>						42
<u>Acw</u>	non Bli								7
Pale	· Swallo	Wtail							4
Sav	ra's Or	anget;	)			<del></del> ~			7
50V	ing Ar	rive!	<u> </u>					<u> </u>	1
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Nech	ar Plan	ts:						· · · · · · · · · · · · · · · · · · ·	
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	alia d	evelandi	i						
1 -	,		ndulifer						
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	am(35)	onia ca	ifornica						
Escholtzia Californica									
Cryptunt 5pp.									
Cryptanto 5pp.  Gilia Capitaton C.								· · · · · · · · · · · · · · · · · · ·	
	Cupiny's Concinnus L. truncatus & L. bicolis								
	colling areas								
	01 1/10	stimon	califor	nicus					
	I'IATY.	/ * 0							
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MAP/GPS LABEL	POINT/POLYGON TYPE	SPECIES LIST (NECTAR SOURCES, GENERAL WIEDER L LIST)
MMACOI	Host plant pt	Antivhinum coulterianum 8 plants
02	Ve /	10@plants
03	11	3 plants
MMCHOI	Sensitveplantet	Collinsia ancolor 25 plants
. 02	1,	10 plants
03	4	40 plants
04	1	" 100 plants
05	16	11 30 plants
06		20 plants
MODSEE MM	DPSO1	Delphinism Estalabusum
MMDPS02		20 plants
03	. :	25 plants
04		30 plants
05		50 plants
06		100 plants
07		10 plants
08		15 plants
09		20
10		30
		15
12		. 10
13		50
14		20
15		10
MMLBOI		15009/9475
MMSCOI		3 plants
MMSC02		25 plants
MMS(03		5 210975
04		5 plants
05		15 plants
06		10 plants
	BER OF QCB DE	
07		15 plants
08		Page 2 of 2 20 plants
09		5 plants

			Quino Chec	Field D	ata S	heet			ف	
Recorder:	B. Lohs	treat	Add'l	Person:	R	ymon	& (Escal	Date: _	5/14	1/10
1,0001001				Man #	10.	12 16		Survey Sx	in: G	
Project: _	Campo	Wind Energy	/ Project	wap #.	1.7	·-/	<u> </u>			
GPS Unit	:2	2			_ QC	B Protoco	ol Survey #	9	of	5 .
0, 0 0,			) 5 / 1 I	т						····
TIME	(24-hour)	Temp (F°):	Wind (avg/max)	% CC				Sky		
START	0850	70	0-4	Q_		clear	patchy	overcast	drizzle	shower
O I A C	1015	75	0-4	0_	_	clear)	patchy	overcast	drizzle	shower
	1140	79	0-7	0	_	Clear	patchy	overcast	drizzle	shower
	1320	76	3-6	20 .	thu .	clear	patchy	overcast	drizzle	shower
	1430	79	3-5	20	thin.	clear	eatchy	overcast	drizzie	shower shower
	16				<del> </del>	clear	patchy	overcast	drizzle	shower
END	1500	78	0-2	30		clear	patch)	overcast	drizzle various n	
Habitat C	n-site (circle	e): open soils	, hilltops, ridge	s, rock out	crops	, soll crus	its, clay son	s, old Ibaus	, various n	ectar sources
								Tally		Total
			y Species							1.5
Beur	's meta	& werk								18
Armo	n Blue	,	1							3
Pale	Shalla	ns toci (								
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Sax	a cyan	ge 14	· · · · · · · · · · · · · · · · · · ·							5
		ulfer								3
Pain	ted las	40								2
	cer's w		a							
		_			-					2
105	y wing	so the D	olve							\$2
			SIVE							5
meli	issa b	<u>lve</u>								1
che	ckened	skippe	Y					<u> </u>	· · · · · · · · · · · · · · · · · · ·	
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
BLBBOI	host plant patch	cordylanthus 300+ individuely
BLCHOI	li di di di di di di di di di di di di di	Colinsia concolor 50 + 11
BLCHOZ	i,	100+ 11
BLC(+03	4.	200+ "
BLCH04	•	100+ 1
	Birdy:	BGGN CATH BCSP SPTO NOFL
		BEWR COLT GRPO LASP TUVU
		HOFI SCJA RSHA CORA BHGR
		CAQU Oati
	Herps:	UTST SCOC BUBO-larvae CNTI
	Mammel	: Cottontail Jack Rallbit
	Neutars	: Erodium, Malacotherix SPP, Latthenia
	•	Leptosiphon spp Layia, colinsia, crypantla
	-	Delphinium, Lotus agrophyllus, Amsinkia
	*	Linavithus, Lupinus spp, Phacelia permi, distan
		Gilia SPD, Mustards, hypocaris 966.
		Cammissonia spp, chia, trichostemma,
		Senecio CAL; Eriophyllum convert wollsee
		Circium occilentalis, cheanactis SPP,
		Anisocoma acoulis, Dichlostemma apitatra
		CA DOLLY
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	,	
TOTAL NUM	BER OF QCB DE	TECTED: Ø INDIVIDUALS

				Field D	ala Sileel					
Recorder:_	O.W.C	K FAUIKA	(ar Add'	Person:	Non	€		Date:	14 M	12010
Project:	Campo	Wind Energ	y Project	Map #: _	ila			Survey S	(n: <u>Ca</u>	H OG
GPS Unit:	#9				QCB Prot	tocol	Survey#	6	of	5 .
TIME (2	4-hour).	Temp (F°):	Wind (avg/max)	% CC				Sky		ort constitute of orest or
START	1300	74	Ø	Ø	Clea	की)	patchy	overcast	drizzle	shower
	1400	75	ч	Ø	etea	ar)	patchy	overcast	drizzle	shower
	1500	77	2	30%	clea	ar	patchy	overcast	drizzle	shower
					clea	аг	patchy	overcast	drizzle	shower
					clea	ar	patchy	overcast	drizzle	shower
					clea	ar	patchy	overcast	drizzle	shower
END	1600	74	2_	50%	clea	ar	(oatchy)	overcast	drizzle	shower
Habitat On-	-site (circle)	: open soils	, hilltops, ridge	S OCK outc	rops, soil c	rusts	s, clay soils	, old roads	, various ณี	ectabsources
		Butterfl	y Species					Tally		Total
P. Ac	Mon	. *								25+
										12
<u> </u>	entice tou	Jana,				+				
15 b	rotodica	2				<del> </del>				
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
16 H	Mark: 19	Collensia
	20	100's
	31	Antirohymum 15+
	22	Collansia
	23	" + Jewel Flower & Examplestri
	24	11
	as	Antorhymun
	. ಎ.	Antorhymum Collansia 100+
	·	
TOTAL NUME		

			Quillo Cile		ata Sheet	oi suivey			
Recorder:_	DAVID	K. FAUL	المامير Add'l	Person:	NONE		Date: _	14 74	12010
Project:	Campo	Wind Energy	/ Project	Map #:	(1		Survey Sx	n: <u>ሮብ</u> ሢ	PO H
GPS Unit :	#9				_ QCB Protoco	ol Survey#	6	of	5
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC	·		Sky		****
START	0360	69	5	Ø	clear	patchy	overcast	drizzle	shower
	1600	74	3	Ø	(cleár)	patchy	overcast	drizzle	shower
	1100	78	2.	Ø	clear	patchy	overcast	drizzle	shower
	C 205	80	5	0	clear	patchy	overcast	drizzle	shower
·				'	clear	patchy	overcast	drizzle	shower
				·	clear	patchy	overcast	drìzzle	shower
END	1300	74	Ø	Ø	Clean	patchy	overcast	drizzle	shower
Habitat On	-site (circle)	: open soils)	dilltopsyridge	s, rock outc	rops, soil crust	s, clay soils	, old roads,	various to	ctapsources
	-		Species				Tally	W.L	Total
A. Vi	aulti.								25*
9.00	J								
P. Ac	mon								25+
E. L.	nan lis								1
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
#11 H	Mark #1	How Lizard (Adult)
	2	How Lizard (Adult)
	3	Collensia 100+
	4	i(
	5	(C
	6	1<
	7,8,9,10	1000's
		" (OD's
	12	н
	13	cl
	14	10
	is	Condylanthus
	16	Collansia
	17	11 100+
	18	it
		Composites
		Compositos
···		Blue dirks
		Mallored Marrocci
		)-10-2
	<u> </u>	
TOTAL NUM	BER OF QCB DE	TECTED: Ø INDIVIDUALS

Recorder: Vale	Polnell	Add'l	Person:	Mike <	ohn Besti	੫ Date:	114/	10
Project: Campo								3 NO \$
GPS Unit :				₹ <sup>6</sup> .	ocol Survey #		,	' '
i		Wind		-41.  }}				
TIME (24-hour)	Temp (F°):	(avg/max)	% CC	clea	2	Sky	المالية المالية المالية المالية المالية المالية المالية المالية المالية المالية المالية المالية المالية المالية	_le
SIARI O ()	300	3/2	0	clea		overcast overcast	drizzle ~	78.2. v
1130	7 0	77/a		gles gles		overcast	drizzle	shower
		- //		clea		overcast	drizzle	shower
				clea		overcast	drizzle	shower
				clea		overcast	drizzle	
END	-			clea	r patchy	overcast	drizzle	shower
Habitat On-site (circle)	epen soils	nilltops ridge	s, rock outc	cps, soil ci	rusts, clay soil	s, eld roads	various nec	tar sources
· · · · · · · · · · · · · · · · · · ·					<u> </u>			
(A A		Species	p			Tally		Total
Mortant's S	stur			N .				
Behr's Mi	tal mark			Ĭ.	JHT HHT HAT	HAT HH	W il	32
<b>A</b> .	u &				UK uft			
Pale Sus								Ĭ,
Blue?	- 10001011				14 W x	AÍ		
		- A - 2				``\		13/
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white,								
Duskyw	لنكم				HT			5
Funeral	Just ywrus			_	111			3
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST
		Layia
		Lestheria
		Plania batheris
		C & 11
		Cyptantua
		Tentamor
		Pelglamon
		Klassing Eschseholzia
		Sahra colòmboriae
		Ch aeraeti à
		Civin
		Planelin
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DPHLOI	در	San Diego Horned Lizand
		The state of the s
	BER OF QCB DE	TECTED: O INDIVIDUA

Recorder:	Dave	Fliebe	<u>e√</u> Add'l	Person:	ohn B	ostick	Date:	5-15	- 10
Project:	Campo	Wind Energ	y Project	Map #: _	16		_ Survey S	xn: <u> </u>	
GPS Unit	: <u> 11</u>				QCB Prot	ocol Survey #	6_	of	<u>5</u> .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	1250	80	5-8	0	Clea	r) patchy	overcast	drizzle	shower
	12:10				clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
END			4-6	_5_	çlea		overcast	drizzle	
Habitat Or	-site (circle)	open soils,	Dilltops, ridges	rock outc	rops, soil cr	usts, clay soil	s, old roads	various ne	ctar sources
							20.11		
	<u> </u>		y Species			1.	Tally		Total
	Boms		al marile	-					2
		Wh	ite			•		* **	1
	Lus	sine	lue			_			Ī
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Page of 2

MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		Esch (al)
-		Lup conk
		crypt int
		Malocatrix
		Plasiobotrus
		- Phacelia imbrigata SSP pata
		(not flowering, but of note)
		Lupinus succ
		Linanthus lemmanni
		Delphinium sp.
		Layia glandulosa
		Jashenia calil
SF6001	DoiN	1 Custillia Reserta
DECHOI	point	10 Collinsia
		91/16 30-
DFCHO3	point	~ 32 Collinsia
DI=4203	Doint	, hoved homed lizard
		·
TOTAL NUME	BER OF QCB DET	ECTED: INDIVIDUALS

Page Z\_of Z\_

# Quino Checkerspot Butterfly Protocol Survey

	Laive	Flieta	2/		ata Sneet	1 .			
Recorder:	AWF	<del>}</del>	Add'l	Person: 🧓	John Bo	stick	, Date: _	5-15	-/0
Project: _	Campo	י Wind Energy	/ Project	Map #: _	19		Survey Sx	n: <u> </u>	
GPS Unit	:			·	QCB Protocol	Survey#	6	of	5 .
TIME (	24-hour)	Temp (F°):	Wind (avg/max)	% <u>c</u> c	and the same of th		Sky		
START	8:40	74	6-10	$\circ$	clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
	10 - 18				clear	patchy	overcast	drizzle	shower
FUE	12:10	80	5-8	C	clear	patchy	overcast	drizzle	shower
END Habitat Or	n-site (circle)			rock outc	clear rops, soil crusts	patchy clay soils	overcast	drizzle various ne	shower
i iabitat Oi	r-site (Gircle).	. open sons,	mitops, ridges	s, rock outo	rops, son crusts	, ciay sons	, old loads,	various no	ciai sources
		Butterfly	Species				Tally		Total
	Jarfard	<u> </u>	1 Fred		•				2
•	<u> </u>	<u>( )</u>	la it a						4
	5		<u> </u>		4				<u> </u>
	Sara	cra	87/P	· le	N	<b>B</b>	<del></del>		0.0
	BUN	5 NOV 601	okuma.		7.7	Ke-B			20
	Lularn	<u>(3) 6/</u>	ul		a 0				4
	Fun	dus	cy win	(	<u> </u>				8
	Acr	non b	ledo 1	+	N	4			14
		Toch la	1	7					1
	7)	sertius	11.0/4	1 1.4	3. *				3
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		cmp int.
		Wall cothix
		Cam bist
		Dich cap
	·.	Lup trunc
		Lotus Str
		Pensteman (puple)
	·	Sah colum
		La othenia califordance
DF (PO)	Doint	1 dathyrus in Qua
DF CPOZ	Pooint	9-11-11-11-11
DF/(PO3	1 11	~ 18 h // //
DECPOY	"	-3 "
DF-CHOI	v	~ 9 Collinsia
		Lihanthers,
		gilia ragitectum
DF CPOS	, h	4 & Laffirus in By ac
DECPUL	<i>(</i> )	3
		Minulus brev
	·	Amonteia menz
		Can anthres heterophyller
		' 0
TOTAL NUMI	BER OF QCB DE	rected: O Individuals

Page 2 of 2

Recorder:_	Dele	Pourel	Add'l	Person:	Bo	الهرلان	» <del>y</del> —	Date:	<u> </u>	5/10
			/ Project							
GPS Unit :		9			QCB Prot	ocol Su	vey#	6	of	<u>5</u> .
TIME (24	I-hour)	Temp (F°):	Wind (avg/max)	% CC		-		Sky	· · · · · ·	
START	1150	740	5/10		Çlea	pa	tchy	overcast	drizzle	shower
	1311	8.10	5/7	0	Clea	pa pa	tchy	overcast	drizzle	shower
	1715	780	3/1	0	Clea	7	tchy	overcast	drizzle	shower
	1210	01	3/4	0	Celés		tchy	overcast	drizzle	shower
					clea		tchy	overcast	drizzle	shower
	-				clea		ichy	overcast	drizzle	shower
END	cito (circle)	onen soile	hilltops, ridges	Z-rockoute	clea		tchy		drizzle verious ne	shower
Habitat Off-	site (circle)	oheii sons	milops, ridge	N TOOK OUTO	ps, solic	uses, cie	ay oono	, 0021000	, veinous no	otal bodioco
		Butterfly	Species					Tally	ţ	Total
Harta	18 SC			٠.,		1				1
	)w ?			• •		111				3
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	on Bh	al mort	\			Ku	r vy	ity aty	1W) 11V	70
		ي و		•			5 1 1 6			
Blu						1 1401	1-67	144		
Lad	γ >	· /				11			<u>, , , , , , , , , , , , , , , , , , , </u>	12
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST
	·	lagia
		11.
		COSTACATO
		Cryptanthy Perstemon
		Parsimon
		Plagro bed hyre
		Eradium
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012	Hout	Collinsia		
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0 20	2	Le .	· · · · · · · · · · · · · · · · · · ·	
TOTAL NUM	BER OF QCB	ETECTED:	0	INDIVIDUALS
		Page <u>2</u> of <u>2</u>		

Recorder:	Dale	Paw	ell_Add'I	Person:	35	Ulry	Date:	5/17	5/10
Project:	Campo	Wind Energy	/ Project	Map #: _	AX H	1/	Survey S	xn: <u> </u>	ungo C
GPS Unit :		9			QCB Prot	tocol Survey	r# <u>6</u>	of	5 .
	24-hour)	Temp (F°):	Wind (avg/max)	% cc		<b>1</b>	Sky		
START	8:40	7 / 3 3 S	6/8	9	Clea	~ >		drizzle	shower
	1:35	760	7/9	0	€ € € € € € € € € € € € € € € € € € €			drizzle drizzle	shower shower
	11 45	76	7/7		clea			drizzie	shower
	15. 1.1				clea			drizzle	shower
			·		clea			drizzle	shower
END					clea	r patchy		drizzle	shower
Habitat On	-site (circle)	open soils,	hilltops, ridges	rock outc	rops, soil ci	usts, clay s	oils, old roads	, various ne	ctar sources
		Butterfly	Species				Tally		Total
Hart	ord's Su	160							
Yell	ow?								1
San	1° Ou	met to				ill			3
1. Xx	às Ova	19.1b				1			1
	ecled h	. *							1 3
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	923 IN	walmark		and the second of the second o	in the state of th	HU TU	HH MI IM	HY JAI	75
Δ	1	73-				Ni			2
Į To	cmon Bi	ve.				M			6
•	Blue?					147 (			2
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
		Layid
-		Lashenia
	·	Crystatha
		Pen Demon
		Plane bothyra
		Erodium
		- GQ 10~~C
	·	
		ter 1
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A A I	Pacit	
001	18003	Collinsa
	i.	- M
011		
Done	0 7	Black Tailed Tack Rabbit
DPBTON	Point	place land over langer
		TECTED: O INDIVIDUAL

Page \_\_\_of \_\_\_\_

Quino Checkerspot Butterfly Protocol Survey Field Data Sheet						
Recorder: MIKE COUFFERD Add'l Person: None Date: 15 MI	0105 ,YE					
Project: Campo Wind Energy Project Map #: \(\frac{\sqrt{LES} 15 + 16}{\sqrt{Survey}}\) Survey Sxn: \(\frac{CAn}{CAn}\)	180-L					
GPS Unit: GARMIN 17 QCB Protocol Survey # 6 of	5 .					
TIME (24-hour) Temp (F°): (avg/max) % CC Sky						
START 0830 74 4>9 MPH CLEAR (clear) patchy overcast drizzle	shower					
0900 74 3->9 MPH CLEAR (lear) patchy overcast drizzle	shower					
1000 78 Ø 4 MPH CLEAR clear patchy overcast drizzle	shower					
1100 80 Ø->5 MPH CLEAR Clear patchy overcast drizzle	shower					
1300 76 Ø-6 MPH CLEAR Clear patchy overcast drizzle	shower					
1300 80 Ø->7 MPH CLEAR Clear patchy overcast drizzle	shower					
END 1400 84 0->4 MPH CLEAR Clear patchy overcast drizzle  Habitat On-site (circle): open soils fulltops (ridges tock outcrops) soil crusts, clay soils, old roads (various r	shower					
(415H25, 84°F, WIND = 0 ->4 MPH, CLEAR	icotai ocurces					
Butterfly Species Tally	Total					
BEHR'S METALMARK IN FIELD NOTEBOOK	93					
ACMON BLUE "	39					
PAINTED LADY "	1.					
MARINE BLUE	3					
CERRUNUS BLUE "	1					
SPRING AZURE	6					
CALIFORNIA SOOTYWING	3					
SARA ORANGETIP	4					
FUNEREAL DUSKYWING	G					
SPRING WHITE	4					
HARFORD SULPHURS	2					
PALE TIGER ) SWALWWTAIL	ス					
GORGON COPPER	1					
PERPLEXING HAIRSTREAK	1					
SOUTHERN BLUE	1					

MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
MCHL35	JUVENILE (POINT)	8 15
ALL NUMBERED	POINTS REPRESENT	OLLINSIA SP. LOCATIONS
	•	
j.		
TOTAL NUM	BER OF QCB DE	TECTED: INDIVIDUALS

Page \_ of \_ Z\_

Recorder:_		Powell	Add'l	Person:	John B	os Tack	Date:	5/16	10
Project:	Manzah	e ita Wind En	ergy Project	Мар	#:	6	Survey	Sxn: <u>Co</u>	A com
		- A			QCB Protoco				
TIME (2		Temp (F°):	Wind (avg/max)	% cc			Sky		:
START	12517	80 0	7/9	0	clear	patchy	overcast	drizzle	shower
	16:10	210	5/7		Clear	patchy	overcast	drizzle	shower
	-		-,		clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
			7/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/ 1/		clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
END					clear	patchy	overcast	drizzle	shower
Habitat On	-site (circle):	open soils	hilltops, ridges	s, rock outc	rops, soil crust	s, clay soils	s, old roads	various ne	ctar sources
					<u> </u>				
		Butterfly	/ Species				Tally		Total
White	3					$\mathcal{N}$			3
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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TOTAL NUME	BER OF QCB DET	TECTED: INDIVIDUALS

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Recorder: Dale	Pawell Add's	Person:	ohn B	ostick	Date:	2/16	110
Project: Manzanita W	Vind Energy Project	_ Map#	•	<b>)</b> ,7/	Survey :	Sxn: Co.	apa D
GPS Unit :	6			ol Survey#_		of	5
TIME (24-hour) Tem	Wind np (F°): (avg/max)	% CC		7 - 8 - X	Sky		
START 8:45	71 8/11		Cléao	patchy	overcast	drizzle	shower
9:50 7	6 6/10	8	Clear	patchy	overcast	drizzle	shower
11:30 7	7-80 69		cleas	patchy	overcast	drizzle	shower
2:55 7	<del></del>	O!	(Tear)	patchy	ovércast	drizzle	shower
14.20 3	270 47	0	clear	patchy	ovércast		shower
			clear	patchy	overcast	drizzle	shower
Habitat On-site (circle): epei	n soite bittone ridans	- 1 E	clear	patchy	overcast	drizzle	shower
- Tobitat Off Site (Girole). gpei	ir acus, idiliops, Ruges,	TOOK OUTCION	s, suil ausi	s, clay solls,	Old roads; \	anous nec	ar sources
B	utterfly Species				Tally		Total
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adv?				M			- Q
Pale Sarallantal				1	1000	* * * * * * * * * * * * * * * * * * * *	1.12.
Blue?				W 11			7
Silvov?		- <u>/</u>		11		1	9
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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DAHFOI	Point	Ben Diego Mornel Lizard
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TOTAL NUMBER OF QCB DETECTED: O INDIVIDUALS

Recorder:	DAVID	K. FAJIK	Add'l	Person:	Lewis	C.	Date: _	16 44.	12010
Project:	Project: Campo Wind Energy Project Map #: 1					;	Survey Sx	m: <u>CAM</u>	POE
GPS Unit	#5				QCB Proto	ocol Survey #	<u>6</u>	of	5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	0900	70	4	ø	Clea	patchy	overcast	drizzle	shower
	1000	7-5	5	Ø	<b>∠</b> iea	patchy	overcast	drizzle	shower
	1100	77	<u> </u>	Ø	clea		overcast	drizzle	shower
	1260	75	7	Ø	€ fear	· · · · · · · · · · · · · · · · · · ·	overcast	drizzle	shower
	1300	73	(s	Ø	cléai	•	overcast	drizzle	shower
	1400	81	3	Ø	ziéai	, ,	overcast	drizzle	shower
END	1500	ರಿ೦	4		Clean		overcast	drizzle	shower
Habitat On	oo الم	77	hilltopജridge: පි	SPOCK OUTC	rops>soil cri	usts, clay solls	s, cold roads,	various ne	ctar sources
		Butterfly	/ Species				Tally		Total
	PLebojus	Acmon							25+
	Apodemi	A virguet	1						25*
	Annoche	is SARA							4
(	<sup>A</sup> elastrin	ia echo							2
	Expanis	funeral	: 5						2
	elias ha	rfordii						= 100-100	2
(	entea p	rotedus							G
		marcha							1
	Euphila	tres beaux	rdino						•
	Papilio e	embusge	<u> </u>						
		meliss							1
		Nic. ppe							2
	Anessa								2
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#11,126	Mark's 1.	Colleusia (100+)
	2.	(100+)
<u>.</u>	3.	٧ (~5c)
	4	" (180's)
	5,	HORNED Lizard
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		NECTAR: CRYPTANTHA
		NECTAR: CRYPTANTHA Blue Dicks
·		Gold fields
		Miss. Composites
		CallensiA
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	BER OF QCB DE	TECTED: & INDIVIDUA

Recorder:	DAVI	O FU	ETILL!Add'I	Person:	CSH	PAIPA	Date: _	5-17	-10
Project:	Campo	Wind Energ	y Pròject	Map #: _	2	)	Survey Sx	(n: <u>P</u>	
	6(						##		<u>5</u> .
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		·
START	10:40	69	3.5	160	clea	ır patchy	overcast	drizzle	shower
START	11:20	73	2-4	100	clea	r patchy	overcast	drìzzle	shower
			, , , , , , , , , , , , , , , , , , ,		clea	r patchy	overcast	drizzle	shower
					clea	ır patchy	overcast	drizzle	shower
					clea	ır patchy	overcast	drizzle	shower
					clea	r patchy	overcast	drizzle	shower
END	16:00	68	3-10	10	Clea	r patchy	overcast	drizzle	shower
			hilltops, ridges	s, rock outci	ops, soil cr		ils, old roads,	various nec	tar sources
	•								
,		Butterfly	y Species		·		Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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	P	Chaenack's glab
		Grysisimum capo
		Exicophy/lum, wallacei
		Lincenthers dianel
		Delphinium
	·	Eriastrum sup
		Lotus Stric
		Camissinia compositris
		Phaselia miner
		Lagra Stand
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TOTAL NUME	BER OF QCB DET	rected: $\mathscr{P}$ individuals

Recorder:	DAVID	K. FAVI	Kner Add'l	Person:			Date: _	17 M	72610
Project:	Campo	Wind Energy	/ Project	Map #: _			Survey Sxi	n: <u>F</u>	
GPS Unit :	<u>5M #</u>	13			QCB Proto	ocol Survey#	6	of	5 .
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky		
START	1500	68	8	Ø	Clear	patchy		drizzle	shower
					clear	patchy	overcast	drizzle	shower .
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
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END	1600	66	, 10	\$	Clear		overcast	drizzle	shower
Habitat On	-site (circle)	: open soils	hilltops, ridges	s, rock outc	rops soil cru	usts, clay soils	s, old roads.	various ne	ctar sources
	•	D. 44 - 46.	. 0				Talle		T-4-1
	1. 4.		Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR-SOURCES, GENERAL WILDLIFE LIST)
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		Cryptanha Goldfields
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TOTAL NUMI	BER OF QCB DET	TECTED: Ø INDIVIDUALS

Recorder:_	DAVID	K. FAULV		Date: 17 MM 201						
Project:	Project: Campo Wind Energy Project Map #:							Survey Sxn:	CAM	90-B
GPS Unit :	SM # 1	13			QCB Prot	ocol	Survey#_	<u> 6</u>	of	5
TIME (2	TIME (24-hour) Temp (F°): (avg/max)			% CC				Sky	-	
START	1400	ገ-5	හි	50	clea	ır ,	(patchy)	overcast	drizzle	shower
					clea	ır	patchy	overcast	drizzle	shower
					clea	ır	patchy	overcast	drizzle	shower
				•	clea	ır	patchy	overcast <sup>1</sup>	drizzle	shower
					clea	ır	patchy	overcast -	drizzle	shower
					clea	ır	patchy	overcast	drizzle	shower
END	1500	68	ક્ષ	<u> </u>	cléa		patchy	overcast	drizzle	shower
Habitat On	-site (circle)	open soils,	hilltops, ridges	, cock outc	rops soil cr	usts,	clay soils	, ord roads, v	arious as	ctar sources
		Butterfly	y Species					Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)						
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		Cryptanina Blue Ozks Goldfields						
		Goldfilds						
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TOTAL NUM	BER OF QCB DET	ΓECTED: Ø INDIVIDUALS						

Recorder:	Dav.0	K. FAUL	KHEK Add'I	Person:			Date: _	17 MAY	2010
Project:	Campo	Wind Energy	y Project	Map #: _	13		_ Survey Sxi	n: <u>CAM</u> ?	OF
GPS Unit :	SM #1	3	-		QCB Proto	ocol Survey#	<u></u> (c	of	<u> </u>
TIME (2	TIME (24-hour) Temp (F°): (avg/max)			% CC	·		Sky		
START	1100	ଟେ	5	180	clear	patchy	(overcast)	drizzle	shower
	1300	69	5	100	clear	patchy	overcast)	drizzle	shower
	1300	72	4	100	clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
	, 1s				clear	patchy	overcast	drizzle	shower
					clear	patchy	overcast	drizzle	shower
END	1400	15	88	<u> 50</u>	clear	patchy	overcast	drizzle	shower
Habitat On	-site (circle)	open soils,	Miltops ridge	s) lock outc	ops, soil cru	usts, clay soils	s, etd roads	various	ctar sources
		Butterfly	/ Species				Tally		Total
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST
13 F	MARKS \$ 255	Collousia
	256	iC.
	251	" 100's
·	258	
	259	Horned Lizard (jovenil)
	260-2	•
		Cryptantha
		Cryptantha Blue Dicks
		Goldfields
	·	
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	BER OF QCB DET	TECTED: Ø INDIVIDUAL

Page <u>2</u> of <u>2</u>

Project:   Campo Wind Energy Project	Recorder:	David	K. FAUIKH	er Add'l	Person:			Date: _	17 HAY	2010	
TIME (24-hour)  Temp (F°): (avg/max) % CC  Sty  START 1000 69 5 100 clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  END  END  Butterfly Species fock outcrops soil crusts, clay soils, old roads, various rectar sources	Project:	Campo	Wind Energy	Project	Map #: _	12		Survey Sxi	n: <u> </u>		
TIME (24-hour)  Temp (F°): (avg/max) % CC  Sty  START 1000 69 5 100 clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  END  Habitat On-site (circle): Open soils fullfors (ages fock outcrops) soil crusts, clay soils, old roads, various (ectar sources)  Butterfly Species  Tally  Total	GPS Unit:	SM # 13			· · · · · · · · · · · · · · · · · · ·	QCB Proto	col Survey#	6	of	5 .	
START 1000 69 5 100 clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  END clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  Habitat On-site (circle): open soils hilltops rages fock outcrops soil crusts, clay soils, old roads, various rectar sources  Butterfly Species  Tally  Total							Sky	•	*		
clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  END  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  Tally  Total						clear	patchy		drizzle	shower	
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clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  Habitat On-site (circle): open soils, hillfops ridges fock outcrops soil crusts, clay soils, old roads, various nectar sources  Butterfly Species  Tally  Total								•			
clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  clear patchy overcast drizzle shower  Habitat On-site (circle): open soils, fullfops ridges fock outcrops soil crusts, clay soils, old roads, various rectar sources  Butterfly Species  Tally  Total						·				-	
END   clear patchy overcast drizzle shower   clear patchy overcast drizzle shower   Clear patchy											
END clear patchy overcast drizzle shower  Habitat On-site (circle): open soile, hillfops deges tock outcrops soil crusts, clay soils, old roads, various nectar sources  Butterfly Species Tally Total											
Habitat On-site (circle): open soils, hillfops rages rock outcrops soil crusts, clay soils, old roads, various rectar sources  Butterfly Species Tally Total	END					clear					
Butterfly Species Tally Total	Habitat On	-site (circle)	open soils	hilltops (ages	sxfock outci		sts, clay soils				
										<sup>5</sup>	
P Acmon 2			Butterfly	Species				Tally		Total .	
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)						
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		CRYPTANTHA Goldfields						
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TOTAL NUMI	BER OF QCB DET	TECTED: INDIVIDUALS						

Recorder:	WIKE	COUFFER	Add'l	Person: E	21N BERGY	NAC	Date: 17 MAY, 2010			
Project: Campo Wind Energy Project				Map #: _	Nie 24		_ Survey.S	xn: <u><b>CAY</b></u>	190-R)	
GPS Unite GARMIN 170					QCB Protocol	l Survey#	<u></u> 6	of	<u>". <b>6</b></u> .	
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC			Sky	÷		
START	(000	69	Ø->5 MPH	100	clear	patchy	overcast	drizzle	shower	
	1100	69	0->3meH	100	clear	patchy	overcast	drizzle	shower	
	1200	74	0->3 MPH	100	clear	patchy	overcast	drizzle	shower	
	1300	70	8->2 MPH	100	clear	patchy	overcast	drizzle	shower	
	1400	73	Ø->3 MOH	<i>\$</i> 0	clear	patchy	overcast	drizzle	shower	
	1500	OF	2->8 MPH	20	clear <	patch	overcast	drizzle	shower	
END	1545	69	2->5 MPH	20	clear c	patchy	overcast	drizzle	shower	
Habitat On	-site (circle)	: open soils	hilltops) ridges	xock outc	rops) soil crusts	, clay soils	old roads	various r	ectar sources	

Butterfly Species	Tally	Total
ACMON BLUE	IN FIELD NOTEROOKS	140
BEHR'S METALMARK	lt .	7
HENNE'S CHECKERSPOR	U	48
SARA ORANGETIP	· · ·	32
GABB'S CHECKERSPON	H.	6
CALIFORNIA SOOTYWING	R	る
BROWN ELFIN	ti	10
MARINE BLUE	£ a	6
FUNEREAL DUSKYWING	18	9
FUNEREAL DUSKYWING- PALE TIGER SWALLOWTAIL	84	3
SPRING AZURE	11	9
RED ADMIRAL PERPLEXING HAIRSTREAK	U	1
PERPLEXING HAIRSTREAK	t,	R)
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
NUMBERED !	POINTS REPRESENT	Coicinsia AND COULTER'S SNAPDRAGON LOCATIONS
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Recorder:_	Dale	Pau	<u>e</u> ∭ Add'l	Person: <u></u>	O SON WAR	Mones	Date: <u>3</u>	5 47	18	***************************************
Project:	Campo		y Project							
GPS Unit:	-	()			QCB Prote	ocol Survey #	6	of	5	<u> </u>
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC			_Sky			
START	16450	60°	3/5	100	clea	r patchy	overcast	drizzle	shower	
	12:10	65°	ું જિ	100	elimber clea	r patchy	overcast >	drizzle	shower	
	•	·			clea	r patchy	overcast	drizzle	shower	<u> </u>
					clea	r patchy	overcast	drizzle	shower	
					clea	r patchy	overcast	drizzle	shower	
	***************************************				clea	r patchy	overcast	drizzle	shower	
END					clea		overcast	drizzle	shower	
Habitat On	-site (circle)	: @en solls,	hilltops, ridges	s, rock outc	rops, soil cr	usts, clay soil	s old roads>	various nec	ctar sou	rçes
		Butterfly	/ Species				Tally		To	tal
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)							
TOTAL NUMBER	REP OF OCR DET	TECTED: 6) INDIVIDITALS							

Recorder:_	Dula	Powe	Add'I	Person:	Ca	~\$0.6V	nce Mo	or <u>v</u> Date: _	5/1	7/10	<b></b>
Project:	Campo	Wind Energ	y Project	Map #: _		22		Survey Sx	n: <u>Caen</u> f	e 9	
GPS Unit :			Ŋ		QCB	Protoco	Survey#	6	of	5	<u>.</u>
TIME (2	4-hour)	Temp (F°):	Wind (avg/max)	% CC				Sky			
START	11:25	670	679	100	Sight	clear	patchy	overcast ∖	drizzle	shower	
	13:00	670	510	100	NACOCO N	clear	patchy	overcast	drizzle	shower	
	1					clear	patchy	overcast	drizzle	shower	
						clear	patchy	overcast	drizzle	shower	
					į.	clear	patchy	overcast	drizzle	shower	
		,				clear	patchy	overcast	drizzle	shower	
END					1	clear	patchy	overcast	drizzle	shower	
Habitat On	-site (circle)	open soils,	hilltops, ridges	s, rock outc	rops, so	oil crusts	s, clay soils	s, old roads	varioùs ne	ctar sources	5
	<u> </u>				- 5						_
		Butterfly	y Species					Tally		Total	
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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TOTAL NUM	BER OF QCB DET	TECTED: INDIVIDUALS

Recorder: MIKE COURFEL Add'l Person: None Date: 19 MAY, 2010									
Project: Campo Wind Energy Project Map #				Map #: _	TILE 24,	25			and the second s
GPS Unit: GARMIN !			QCB Protocol	Survey#	6	of	6.		
TIME (2	24-hour)	Temp (F°):	Wind	8/ 00					
			(avg/max)	% CC			Sky		
START	0840	68	8->1 MPH	CLEAR	clear	patchy	overcast	drizzle	shower
	0900	69	Ø->1 MPH	CLEAR	clear	patchy	overcast	drizzle	shower
	1000	71	Ø-> 1 MPH	CLEAR_	clear	patchy	overcast	drizzle	shower
	11 00	<i>8</i> 5	Ø->2 MOH	CLEAR	clear	patchy	overcast	drizzle	shower
	1200	84	0	CLEAR	clear	patchy	overcast	drizzle	shower
	1300	82	Ø->1 MOH	CLEAR	clear	patchy	overcast	drizzle	shower
END		2			clear	patchy	overcast	drizzle	chower
Habitat On	-site (circle):	open soils,	hilltopsgridge	Tock outer	ops soil crusts	, clay soils	old roads v	arious ne	ctar sources

Butterfly Species	Tally	Total
ACMON BLUE	IN FIELD NOTEBOOK	140
HENNE'S CHECKERSPOT	LR TELD FROTEBOOK	43
SARA DRANGETIP	11	24
PALE TIGER SWALLDWIAIL	1/	4
GABB'S CHECKERSPOT		13
GORGON COPPER	- C	13
CALIFORNIA SISTER	11	1
HARFORD'S SULPHUR	ч	3
PAINTED LADY	u	1
BEHOS METALMARK		9
MARINE BLUE	· · · · · · · · · · · · · · · · · · ·	עק
SPRING FIZURE		8
FONEREAL DUSKYWING	(	5
SPRING WHITE	· · · · · · · · · · · · · · · · · · ·	ス
CALIFORNIA MACBLE	11	1
CLOUDIESS SULPHUE	· · ·	1
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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TOTAL NUM	BER OF QCB DE	TECTED: INDIVIDUALS



Recorder;	Dol	Pour	Add'l	Person:	2	sha S	Bostick	Date: _	5/19	1/10
Project:	Campo		y Project		18 51				ľ	•
GPS Unit	:		6		QCI	3 Protoco	ol Survey #	6_	of	5
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC	Š			Sky		
START	0930	670	0/,0			clear	patchy	overcast	drizzle	shower
	1045	72	4/6	0		clear	patchy	overcast	drizzle	shower
	1230	840	4/6	O D	1	clear	patchy	overcast	drizzle	shower
	12400	l.			. 3	clear	patchy	overcast	drizzle	shower
				14	1	clear	patchy	overcast	drizzle	shower
						clear	patchy	overcast	drizzle	shower
END					Trans.	clear	patchy	overcast	drizzle	shower
	-site (circle)	: open soils.	hilltops, ridge	s. pock outc	robs.					
	( )	,	, , , , , , , , , , , , , , , , , , , ,				, <b>,</b>	,,,,		
		Butterfly	y Species					Tally		Total
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60	gen Ce	The same					III H	11/ 12 -		2
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
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001	Point	Activohium conteriousm (100)
DPHLOI	Point	570 - 11 - 1
DENCOL	TOIN!	San Diego Harned Lizard
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TOTAL NUMI	BER OF QCB DET	TECTED: O INDIVIDUALS

Project: Managed Wind Energy Project Map #: 2 Survey Sxn: N  GPS Unit: 6 QCB Protocol Survey # 6 of 5  TIME (24-hour) Temp (F): (evylmax) % CC Sky  START   (2-2-)   (4-1)   (-7-5)   (	Recorder:_	Brian	n Lohs	troli Add'i	Person:	Daniel		Date:	5/19	10
TIME (24-hour)  Temp (F°): Wind (avg/max) % CC  START (72-)0 (44 p-7 0 clear patchy overcast drizzle shower  1300 78 3-10 patchy overcast drizzle shower  1400 81 0-7 patchy overcast drizzle shower  1520 83 0-6 patchy overcast drizzle shower  1530 86 0-5 patchy overcast drizzle shower  1530 86 0-5 patchy overcast drizzle shower  END clear patchy overcast drizzle sh	Project:	C/A /M Manzan	၇ <i>0</i> lita Wind End	ergy Project	Map #	#:2		Survey	Sxn:	N
TIME (24-hour)  Temp (F°): (avg/max) % CC  Sky  START (7230 (44 0-7 0 clear patchy overcast drizzle shower 1300 78 3-10 clear patchy overcast drizzle shower 1400 81 0-7 clear patchy overcast drizzle shower 1500 83 0-6 clear patchy overcast drizzle shower 1530 86 0-5 clear patchy overcast drizzle shower 1530 86 0-5 clear patchy overcast drizzle shower 1530 86 0-5 clear patchy overcast drizzle shower 1530 86 0-5 clear patchy overcast drizzle shower 1530 86 0-5 clear patchy overcast drizzle shower 1530 86 0-5 clear patchy overcast drizzle shower 1430 0-31	GPS Unit :	6				QCB Protoc	ol Surve <b>y</b> #	6	of	<u>5</u> .
1300 78 3-10 per patchy overcast drizzle shower 1400 81 0-5 per patchy overcast drizzle shower 1500 83 0-6 per patchy overcast drizzle shower 1530 86 0-5 per patchy overcast drizzle shower 1530 86 0-5 per patchy overcast drizzle shower per patchy overcast drizz	TIME (24		Temp (F°):		% CC			Sky		
1400 \$1 0-7	START	1230	(4	0-5	0	(clear	patchy	overcast	drizzie	shower
SOO 83 0-6   Gear patchy overcast drizzle shower   1530 86 6-5   Gear patchy overcast drizzle shower   1530 86 6-5   Gear patchy overcast drizzle shower   1530 86 6-5   Gear patchy overcast drizzle shower   1530 86 6-5   Gear patchy overcast drizzle shower   1530 86 6-5   Gear patchy overcast drizzle shower   1530 86 86 86 86 86 86 86 86 86 86 86 86 86		1300	78	3-10		elear	patchy	overcast	drizzle	shower
1530 86 0-5   Qear patchy overcast drizzle shower   Clear patchy overcast drizzle shower   Clear patchy overcast drizzle shower   Clear patchy overcast drizzle shower   Clear patchy overcast drizzle shower   Clear patchy overcast drizzle shower   Clear patchy overcast drizzle shower   Clear patchy overcast drizzle shower   Clear patchy overcast drizzle shower   Clear patchy overcast drizzle shower   Clear patchy overcast drizzle shower   Clear patchy overcast drizzle shower   Clear patchy overcast drizzle shower   Clear patchy overcast drizzle shower   Clear patchy overcast drizzle shower   Clear sources   Clear patchy overcast drizzle shower   Clear sources   Clear patchy overcast drizzle shower   Clear sources   Clear patchy overcast drizzle shower   Clear sources   Clear patchy overcast drizzle shower   Clear sources   Clear patchy overcast drizzle shower   Clear sources   Clear sources   Clear patchy overcast drizzle shower   Clear sources   Clear patchy overcast drizzle shower   Clear sources   Clear patchy overcast drizzle shower   Clear sources   Clear patchy overcast drizzle shower   Clear sources   Clear patchy overcast drizzle shower   Clear sources   Clear patchy overcast drizzle shower   Clear		1400	81	0-5		Clear	patchy	overcast	drizzle	shower
1530 86 0-5   Qear patchy overcast drizzle shower   Clear patchy overcast drizzle shower   Clear patchy overcast drizzle shower   Clear patchy overcast drizzle shower   Clear patchy overcast drizzle shower   Clear patchy overcast drizzle shower   Clear patchy overcast drizzle shower   Clear patchy overcast drizzle shower   Clear patchy overcast drizzle shower   Clear patchy overcast drizzle shower   Clear patchy overcast drizzle shower   Clear patchy overcast drizzle shower   Clear patchy overcast drizzle shower   Clear patchy overcast drizzle shower   Clear patchy overcast drizzle shower   Clear sources   Clear patchy overcast drizzle shower   Clear sources   Clear patchy overcast drizzle shower   Clear sources   Clear patchy overcast drizzle shower   Clear sources   Clear patchy overcast drizzle shower   Clear sources   Clear patchy overcast drizzle shower   Clear sources   Clear sources   Clear patchy overcast drizzle shower   Clear sources   Clear patchy overcast drizzle shower   Clear sources   Clear patchy overcast drizzle shower   Clear sources   Clear patchy overcast drizzle shower   Clear sources   Clear patchy overcast drizzle shower   Clear sources   Clear patchy overcast drizzle shower   Clear		1500		0-6		clear	patchy	overcast	drizzle	shower
END V   clear patchy overcast drizzle shower Habitat On-site (circle): open soils, hilltops, ridges, rock outcrops, soil crusts, clay soils, old roads, various nectar sources  Butterfly Species Tally Total  Openge fip (sach) 3  Dus ky wing sp 4  Marine Blfc 3  Chalcedon checkers pot 1  Acmon Bine 2  Sulpher Sp. 1		1530		0-5		olear	patchy	overcast	drizzle	shower
END V   clear patchy overcast drizzle shower Habitat On-site (circle): open soils, hilltops, ridges, rock outcrops, soil crusts, clay soils, old roads, various nectar sources  Butterfly Species						clear	patchy	overcast	drizzle	shower
Habitat On-site (circle): open soils, hilltops, ridges, rock outcrops, soil crusts, clay soils, old roads, various nectar sources  Butterfly Species Tally Total  Openge fip (Sairch) Busky wing Sp H Marine Blfc Dain tel Lady White Sp: Chalcedon checkers pot Acroon Bive Sulpher Sp.	END	V				clear	patchy	overcast	drizzle	shower
Opengetip (Sain)  Dusky wing Sp  Marine Blte  Painted Lady  White Sp!  Chalcedon checkerspot  Acmon Bive  Sulpher Sp.	Habitat On-	-site (circle)	open soils,	hilltops, ridges	s, rock outcr					
Dusky wing Sp  Marine Blfe  Printed Lady White Sp!  Chalcolon checkers pot Acmon Bive  Sulpher Sp.			Butterfly	y Species				Tally		Total
Dusky wing SP  Marine Blee  Printed Lady  White SP:  Chalcodon checkerspot  Acmon Bive  Sulpher SP.	Oranes	etip (	Sala							3
Merine Blfe  Drinted Lady  White Sp!  Chalcodon checkerspot  Acmon Bive  Sulpher Sp.	- I.V	1 _	- 0							4
Acmon Blue 2 Sulphur SD.	Merin									3
Acmon Blue 2 Sulphur SD.	Duin	ted L	ady							
Acmon Blue 2 Sulphur SD.	"wh	ite	SA!							
Acmon Blue 2 Sulphur SD.	ch	alredo	n c}	reckers (	aot	-				1
Supher Sp. Firereal Dustapoining	Acr	non	Blue					-		12
Frevent Duslansing	50	Taker	50.			-				
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
BLSCOI	Rare plant	Streptantlus campes tris
	Birds	BESA LEGO BEWR WISW
	·	WREN Spto CISW PSFL
		LEGO SCJA COPA CALT
		modo WBNH HOFI NUWO
		RSHa
	Herps	' side Wotched Lizard, W. Whiptarl
		W. Fence Lizand
	late 444	
	Nectar	Sources Lupives Cryptantha endium wallace
		endium me enophy lum wallace
		Cotus agrophyllus, cheauactis,
		Lotus agros hyllus, cheanactis,
		Minulus SPD, phacela spp
		Lasthenia senstemon, yuica
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TOTAL NUM	BER OF QCB DE	TECTED: INDIVIDUALS

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Recorder:	Brian	Lobsi	nol Add'I	Person:	Danie		Date:	<u> 5/1</u>	9/10
Project:	Cá W Manzan	ック <u>lita Wind En</u>	ergy Project	Map #:	*	20		y Sxn:	ρ
	:6	6			N	ocol Survey #	<u> </u>	of	5 .
TIME (2	24-hour)	Temp (F°):	Wind (avg/max)	% CC		i	Sky		
START	445	66	0-1	0	Clea	patchy	overcast	drizzle	shower
	1000	70	0-3	Ö	<b>d</b> ea		overcast	drizzle	shower
					clea		overcast	drizzle	shower
					clea	<u> </u>		drizzle	shower
					clea		overcast	drīzzle	shower
		,			clea		overcast	drizzle	shower
END	1230	74	0-5	0	qea	patchy	overcast	drizzle	shower
Habitat On		: open soils,	hilltops, ridges	s, rock outcro	ps, soil cr				
		Butterfly	y Species				Tally		Total
Acuro	1 blu								9
Oran	ae tia								7
Beh	P'5 1	netalw	werk						18
Save	ere Spe	Heal	blue						Z
Pale	- 7	llowta	il						2
Marin	re bli	re							9
Dus	Kywir	Les SA							
Gal	obs c	Theche	rsport	F					2
Fune	real	Dusla	nwire,						S. S. S. S. S. S. S. S. S. S. S. S. S. S
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MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)
BLCHOL	Host Dlant	500 inclividado Colinsia concolor
	1	
	Bird:	BCSP ATFL HOLI CALT
		BEWR CORA Scja BusH
		OATI Callu BIHGR BHO
		12SHa SDTO THUU MODO
		Cath BGGN WRON
	Herps:	Side blotched Lizard, W. Whiptall
	4	w. Fence Lizard Granite spiny 42and
	Mamuzli	: Co Houtail
	# J	
	Necky S	oures: hpines wellflover cheanectis
		Contrevia, Delphinium, Giliacop,
		Layra erodism, Amcola spaj
		Commissain SAD Froshyllum Wallace:
		Camon Ssana SAS Froshyllum Wallace
		LIVENTAUS WELLO! ELLA
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TOTAL NUM	BER OF QCB DET	TECTED: INDIVIDUALS

Recorder: MIKE COUFFER Add'l Person: NONE Date: 30 MAY, 2010									
Project: Campo Wind Energy Project Map #: \\\TILE 13 Survey Sxn: \(\text{CAMPO-F}\)									20-F
GPS Unit: GRRMIN 11					QCB Protocol	Survey#	<u> </u>	of	<u>6 .</u>
TIME (C		- (-0)	Wind		]				
TIME (2	4-hour)	Temp (F°):	(avg/max)	% CC			Sky		
START	0848	710	8-34 WOH	CLEAR	clear	patchy	overcast	drizzle	shower
	0000	~35°	2-74 MPH	CLEAR	clear	patchy	overcast	drizzle	shower
	1000	78°	2->6 MPH	CLEAR	clear	patchy	overcast	drizzie	shower
	1100	770	2-26MPH	CLEAR	clear	patchy	overcast	drizzle	shower
	1200	~2F	1->2 W6H	CLEAR	clear	patchy	overcast	drizzle	shower
	1300	පිරු	3->6 MPH	CLEAR	clear	patchy	overcast	drizzle	shower
END	1315	<b>80°</b> .		CLEAR	clear	patchy	overcast	drizzla	chawar
Habitat On	-site (circle):	open soils	hilltops ridges	rock outer	ops, soil crusts	, clay soils	(old roads)	various ne	ctar sources

Butterfly Species	Tally	Total
BEHR'S METALMARK	IN FIELD NOTEBOOK	Total
CIOUDLESS SULPHURS	TI LIECO MOTERON	<u>33</u> え
SPRING WHITE	· ·	1 2
ACMON BLUE	.,	10
MARÎNE BLUE	4,	7.3
GRAYD HAIRSTREAK	£ l	1
GRAY HAIRSTREAKS PAINTED LARY	11	ス
FUNERBAL DUSKUWING	C)	3
FUNEREAL DUSKYWING PALE TIGER, SWALLOWTAIL	11	5
SPRING FIZURE	U	9
Brown ELFIN	1 11	3
Anise Swallowtail	N.	1

MAP/GPS LABEL	POINT/POLYGON TYPE	COMMENTS FOR ALL MAPPED POLYGOS AND GPS POINTS/ SPECIES LIST (NECTAR SOURCES, GENERAL WILDLIFE LIST)			
ALLNUMBERED	POINTS REPRESENT				
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TOTAL NUM	BER OF QCB DE	TECTED: INDIVIDUALS			
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## **APPENDIX C**

SUMMARY OF BUTTERFLY SPECIES OBSERVED DURING FOCUSED QUINO CHECKERSPOT BUTTERFLY SURVEYS FOR THE CAMPO WIND ENERGY PROJECT

# APPENDIX C SUMMARY OF BUTTERFLY AND MOTH SPECIES OBSERVED DURING FOCUSED QUINO CHECKERSPOT BUTTERFLY SURVEYS FOR THE CAMPO WIND ENERGY PROJECT

Common Name	Species Name	Survey Week						
Common Name	Species Name	1	2	3	4	5	6	Total
Papilionidae								
Anise swallowtail	Papilio zelicaon	0	2	2	0	0	1	5
Western tiger swallowtail	Papilio rutulus	1	2	1	0	0	0	4
Pale swallowtail	Papilio eurymedon	8	18	36	85	50	68	265
Black swallowtail	Papilio polyxenes	0	1	0	0	0	0	1
Pieridae								
Cabbage white	Pieris rapae	0	47	0	0	1	0	48
Spring (California) white	Pontia sisymbrii	73	29	24	10	14	41	191
Checkered (common) white	Pontia protodice	39	7	9	20	21	22	118
Becker's white	Pontia beckerii	0	0	0	0	1	2	3
California (pearly) marble	Euchloe hyantis	47	411	201	49	13	4	725
Gray marble	Euchlo lanceloata	0	4	0	1	0	0	5
Desert (Felder's) orangetip	Anthocharis cethura	0	10	3	2	0	0	15
Sara orangetip	Anthocharis sara sara	364	214	170	243	130	168	1289
White species	Species unknown	12	43	57	63	11	29	215
Marble species	Species unknown	7	87	83	40	0	1	218
Orange sulphur	Colias eurytheme	0	2	3	3	1	0	9
Harford's sulphur	Colias harfordii	1	0	7	6	5	27	46
California dogface	Zerene eurydice	0	0	1	0	1	0	2
Cloudless (senna) sulphur	Phoebus sennae marcellina	0	0	0	0	0	3	3
Sleepy orange	Eurema nicippe	0	0	0	0	0	1	1
Dainty sulphur	Nathalis iole	0	0	0	0	0	2	2
Sulphur species	Species unknown	6	3	11	16	5	12	53
Orange species	Species unknown	0	14	10	9	0	1	34
Daniadae								
Queen	Danaus gilippus	0	0	0	1	0	0	1
Nymphalidae	gp.p.c.c							_
Quino checkerspot	Euphydryas editha quino	0	2	4	6	1	0	13
Henne's checkerspot	Euphydryas chalcedona hennei	1	10	12	136	122	92	373
Gabb's checkerspot	Chlosyne gabbii	3	23	4	98	39	27	194
Checkerspot species	Species unknown	0	1	2	0	0	0	3
Red admiral	Vanessa atalanta	0	0	1	3	0	2	6
Painted lady	Vanessa atalanta Vanessa cardui	124	65	90	132	37	34	482
West coast lady	Vanessa cardui Vanessa annabella	0	2	4	24	5	2	37
American lady	Vanessa virginiensis	0	2	2	0	0	0	4
Lady species	Vanessa virginierisis Vanessa species	11	28	1	27	8	9	
, ,	•	0	0		3	2	0	84
Collifornia pieter	Junonia coenia			0				5
California sister	Adelpha bredowii californica	0	0	0	0	0	1	1
California patch	Chlosyne californica	0	0	0	0	0	1	1
California tortoiseshell	Nymphalis californica	22	1	1	0	0	1	25
Gulf fritillary	Agraulis vanillae	0	0	1	0	0	0	1
Variegated fritillary	Euptoieta claudia	0	0	0	0	0	1	1
Lycaenidae	T	-						
Behr's/Mormon metalmark	Apodemia mormo virgulti	89	1226	2404	2206	1009	1074	8008
Great copper	Lycaena xanthoides	0	0	0	0	0	1	1

C-1

Common Name	Species Name	Survey Week						
Common Name	Species Name	1	2	3	4	5	6	Total
Gorgon copper	Lycaena gorgon	0	0	0	0	5	16	21
Brown elfin	Callophrys augustinus	37	40	15	11	9	20	132
Perplexing (bramble) hairstreak	Callophrys dumetorum	297	351	205	47	34	8	942
Gray hairstreak	Strymon melinus	1	0	0	3	2	5	11
Great purple hairstreak	Atlides halesus	0	1	0	3	0	0	4
Hairstreak sp.	Species unknown	0	0	1	0	0	0	1
Southern (silvery) blue	Glaucopsyche lygdamus australis	9	55	41	51	29	28	213
Arrowhead blue	Glaucopsyche piasus	0	36	39	0	0	16	91
Melissa blue	Lycaeides melissa	0	0	0	0	0	16	16
Lupine blue	Plebejus lupines	0	0	0	3	6	3	12
Acmon blue	Icaricia acmon acmon	94	167	192	281	322	760	1816
Bernardino blue	Euphilotes Bernardino	0	0	0	0	0	7	7
Echo blue/Spring azure	Celastrina ladon echo	5	12	7	3	26	33	89
Western tailed blue	Everes amyntula	0	1	1	0	0	2	4
Marine blue	Leptotes marina	0	0	0	1	0	55	56
Ceraunus blue	Hemiargus ceraunus	0	0	0	0	0	1	1
Pygmy blue	Brephidium exilis	0	1	0	0	0	1	2
Blue species	Species unknown	22	49	64	48	46	79	308
Hesperiidae		l .			ı			
Funereal duskywing	Erynnis funeralis	31	127	199	103	72	109	641
Mournful duskywing	Erynnis tristis	0	3	0	1	1	0	5
Pacuvius duskywing	Erynnis pacuvius	1	0	0	0	0	0	1
Sleepy duskywing	Erynnis brizo	23	27	1	5	4	1	61
Propertius duskywing	Erynnis propertius	0	10	3	5	2	6	26
Afranius duskywing	Erynnis afranius	0	0	2	0	0	0	2
Duskywing species	Erynnis species	30	120	79	70	28	56	383
Small-checkered skipper	Pyrgus scriptura	0	0	0	0	0	1	1
Northern white skipper	Heliopetes ericetorum	0	0	0	0	0	1	1
Common sootywing	Philosora catalus	0	0	5	13	16	11	45
Skipper species	Species unknown	2	2	0	1	1	0	6
Juba skipper	Hesperia juba	0	1	0	1	1	0	3
Sachem	Atalopedes campestris	0	0	0	0	0	1	1
Moth Species	,		•				•	
Sphyngid moth	Species unknown	4	4	0	0	0	0	8
	Euproserpinus phaeton	1	37	1	0	0	0	39
	Litocola sexigueta	1	0	0	0	0	0	1
	Leptarctia	1	0	0	0	0	0	1
	Alypia ridingsa	1	0	0	0	0	0	1
	E. Phaeton sphinx	9	0	0	0	0	0	9
	Heliothis belladona	0	3	0	0	0	0	3
	Drasteria tejonica	0	3	0	0	0	0	3
	Drasteria edwardsi	0	1	0	0	0	0	1
	Drasteria biformata	0	1	0	0	0	0	1
	Hyles lunesta	0	0	1	0	0	0	1
	Hemoris affinis	0	0	1	0	0	0	1
Moth species	Adela species	0	0	0	0	1	0	1
Moth species unknown	Species unknown	17	49	3	0	0	0	69

#### **APPENDIX D**

### WEEKLY FLOWERING PLANT OBSERVATIONS FOR CAMPO WIND ENERGY PROJECT

### APPENDIX D WEEKLY FLOWERING PLANT OBSERVATIONS FOR CAMPO WIND ENERGY PROJECT

		Survey We		vey Week				
Scientific Name	Common Name	1	2	3	4	5	6	
Achillea millefolium	common yarrow						Х	
Adenostoma fasciculatum	chamise	Х	Х	Х	Х	Х	Х	
Amsinckia menzesii var. intermedia	rancher fiddleneck	х	х		х	х		
Anisocoma acaulis	scale-bud		Х	Х	Х	Х	х	
Antirrhinum coulterianum	Coulter's snapdragon	Х	Х		Х	х	х	
Antirrhinum nutallianum ssp. nutallianum	snapdragon			х				
Arabis pulchra var. pulchra	beautiful rock-cress	Х	Х	Х	Х			
Arctostaphylos spp.	manzanita	Х	Х	Х	Х			
Artemesia tridentata ssp. tridentata	big sagebrush	х	х	Х	Х	Х	х	
Astragalus douglasii var. perstrictus	Jacumba milkvetch		х		х	х	х	
Baccharis salicifolia	mulefat		Х					
Camissonia spp.	sun-cup	Х		Х	Х	Х	Х	
Caulanthus heterophyllus var. heterophyllus	San Diego jewelflower		х				х	
Caulanthus simulans	Payson's jewelflower	Х	Х	Х	Х			
Castilleja ssp.	Indian paintbrush			Х	Х	Х		
Ceanothus cuneatus var. cuneatus	buck brush	х		Х	Х			
Ceanothus greggii var. perplexans	cup-leaf-lilac		х		Х			
Ceanothus leucodermis	chaparral whitethorn		Х	Х	Х			
Cercocarpus betuloides var. betuloides	birch-leaf mountain mahogany	x	х	х				
Chaenactis artemisiifolia	white pincushion					Х	Х	
Chaenactis glabriuscula var. glabriuscula	yellow pincushion					х	х	
Cirsium occidentale var. californicum	California thistle				Х	х	х	
Claytonia parviflora spp.	miner's-lettuce	х		Х				
Collinsia concolor	Chinese houses	Х	Х	Х	Х	Х	Х	
Cordylanthus rigidus ssp. setigerus	dark-tip bird's beak	х	х		х	Х	Х	
Coreopsis californica var. californica	California coreopsis		х	Х	Х	Х	х	
Cryptantha spp.	cryptantha	Х	Х	Х	Х	Х	Х	
Delphinium parishii ssp. subglobosum	oceanblue larkspur		х	Х	Х	Х	х	

			Su	rvey	/ W	eek	
Scientific Name	Common Name	1	2	3	4	5	6
Dendromecon rigida	bush poppy		х			х	Х
Descurainia pinnata ssp. glabra	tansey mustard	Х	х	х	х	х	
Dichelostemma capitatum	blue dicks		х	х	Х	х	Х
Emmenanthe penduliflora var. penduliflora	whispering bells				х	х	х
Eriastrum sp.	woolly star						Х
Ericameria linearifolia	interior goldenbush		Х	Х		Х	
Ericameria sp.	goldenbush		Х	х	х	Х	Х
Eriogonum fasciculatum	buckwheat		Х	Х		Х	
Eriophyllum confertiflorum var. confertiflorum	long-stem golden yarrow						х
Eriophyllum wallacei	Wallace's woolly daisy	Х			Х	Х	Х
Erodium cicutarium	filaree	Х	х	х	х	х	Х
Erysimum capitatum ssp. capitatum	western wallflower		х	х	х	х	х
Eschscholzia californica	California poppy	Х	х	х	Х	х	Х
Eucrypta chrysanthemifolia var. bipinnatifida	spotted hideseed			х			
Filago californica	California filago						х
Geraea viscid	stickey geraea		Х	х		Х	Х
Gilia capitata	ball gilia				х	Х	Х
Gilia spp.	gilia	Х		Х	х	Х	Х
Hesperoyucca whipplei	chaparral candle				х	Х	
Hirschfeldia incana	short-pod mustard		Х				
Lasthenia gracilis	common goldfields	Х	Х	Х	Х	Х	Х
Lathyrus splendens	Campo pea		Х	х	х		Х
Layia glandulosa	white layia		Х	х	х	х	Х
Lepidium spp.	pepperweed					Х	
Leptosiphon lemmonii	Lemmon's linanthus				Х	Х	Х
Linanthus bellus	desert beauty	Х	Х	Х	Х	Х	Х
Lomatium dasycarpum ssp. dasycarpum	woolly fruit lomatium		х				
Lotus agrophyllus var. agrophyllus	silver-leaf lotus				х	х	х
Lotus scoparius	deer weed			Х	Х	Х	Х
Lotus strigosus	bishop's lotus		Х	Х	Х	Х	Х
Lotus sp.	lotus	Х	Х		Х	Х	Х
Lupinus bicolor	miniature lupine		х	Х	Х	Х	Х
Lupinus concinnus	bajada lupine		х	Х	Х	Х	Х
Lupinus hirsutissimus	stinging lupine					Х	
Lupinus truncatus	collar lupine					Х	Х
Lupinus spp.	lupine	Х	х	х	х	х	Х

			Survey Week						
Scientific Name	Common Name	1	2	3	4	5	6		
Malacothrix clevelandii	Cleveland's malacothrix			х		х			
Malacothrix californica	California dandelion	Х	х	х	х	х			
Malacothrix spp.	dandelion			Х	Х		Х		
Marah macrocarpus var. macrocarpus	wild cucumber	х	х	х		х			
Minuartia douglasii	Douglas's sandwort					Х	х		
Nemophila menziesii var. integrifolia	baby blue eyes	X	Х	Х	Х	Х			
Paeonia californica	California peony	Х	х						
Pectocarya spp.	combseed	Х	х						
Phacelia brachyloba	short-lobe phacelia						х		
Phacelia distans	white-heliotrope		х	х	х	х	х		
Phacelia parryi	Parry's phacelia			х	х	х	х		
Phacelia spp.	phacelia		х	х	Х	х	х		
Plagiobothrys spp.	popcornflower	Х	х	х	х	х	х		
Platystemon californicus	cream cups		х	х	х	х	х		
Rhus ovata	sugar bush		х	х					
Rhus trilobata	basket bush		х						
Quercus x acutidens	hybrid Engelmann's scrub oak	Х	х						
Salvia apiana	white sage						х		
Salvia columbariae	chia	Х	х	х	х	х	х		
Senecio californicus	California butterweed	Х	х	х	х	х	х		
Sisymbrium altissimum	tumble mustard						х		
Sisyrinchium bellum	blue-eyed grass	Х							
Streptanthus campestris	southern jewelflower			Х	х	Х	Х		
Trichostemma parishii	mountain blue curls		Х		х	Х	Х		
Uropappas lindleyi	silver puffs				Х	Х			
Viola purpurea ssp. quercetorum	oak yellow violet	х	х						
Yucca schidigera	Mohave yucca	Х		Х			х		

**boldface** = a sensitive species

#### **APPENDIX E**

#### VERTEBRATE SPECIES OBSERVED DURING QUINO SURVEYS FOR CAMPO WIND ENERGY PROJECT

### APPENDIX E VERTEBRATE SPECIES DETECTED DURING FOCUSED QUINO SURVEYS FOR CAMPO WIND ENERGY PROJECT

Scientific Name	Common Name
REPTILES	
Order Anura	Frogs and Toads
Family Bufonidae	
Bufo boreas halophilus	western toad
Family Hylidae	
Pseudactis cadaverina	California chorus frog
Family Pelobatidae	
Spea hammondii	western spade-foot toad
Bufo boreas	California toad
Order Squamata	Lizards and Snakes
Family Colubridae	
Diadophis punctatus similis	ring-necked snake
Lampropeltis getula californiae	California king snake
Masticophis taeniatus	striped whipsnake
Pituophis catenifer	gopher snake
Family Phrynosomatidae	
Aspidoscelis tigris	western whiptail lizard
Phrynosoma coronatum blainvillii	coast horned lizard
Scleloporus occidentalis	western fence lizard
Scleloporus orcutti	granite spiny lizard
Uta stansburiana	side blotched lizard
Family Viperidae	
Crotalus mitchellii	speckled rattlesnake
Crotalus helleri	southern Pacific rattlesnake
Family Xantusidae	
Xantusia henshawi	granite night lizard
BIRDS	•
Order Apodiformes	Hummingbirds and Swifts
Family Apodidae	
Aeronautes saxatalis	white-throated swift
Family Trochilidae	
Calypte anna	Anna's hummingbird
Order Ciconiiformes	Eagles, Hawks, and Kites
Family Accipitridae	
Accipiter cooperii	Cooper's hawk
Buteo lineatus	red-shouldered hawk
Buteo jamaicensis	red-tailed hawk
Circus cyaneus	northern harrier
Family Cathartidae	
Cathartes aura	turkey vulture
Family Falconidae	
Falco mexicanus	prairie falcon
Order Columbiformes	Pigeons and Doves

Scientific Name	Common Name
Family Columbidae	
Columba livia	rock pigeon
Zenaida macroura	mourning dove
Order Gruiformes	
Family Rallidae	
Fulica americana	American coot
Order Passeriformes	Song Birds
Family Alaudidae	
Eremophila alpestris actia	California horned lark
Family Aegithalidae	
Psaltriparis minimus	bushtit
Family Cardinalidae	
Melanocephalus pheucticus	black-headed grosbeak
Passerrina amoena	lazuli bunting
Family Corvidae	
Aphelocoma californica	western scrub jay
Corvus brachyrhynchos	American crow
Corvus corax	common raven
Family Cuculidae	
Geococcyx californianus	roadrunner
Family Emberizidae	
Aimophila ruficeps	rufous-crowned sparrow
Amphispiza bilineata	black-throated sparrow
Chondestes grammacus	lark sparrow
Junco hyemalis	dark-eyed junco
Passerculus sandwichensis	savannah sparrow
Pipilo crissalis	California towhee
Pipilo maculates	spotted towhee
Spizella atrogularis	black-chinned sparrow
Zonotrichia leucophrys	white crowned sparrow
Family Fringillidae	
Carpodacus mexicanus	house finch
Carduelis lawrencei	Lawrence's goldfinch
Carduelis psaltria	lesser goldfinch
Family Hirundinidae	
Petrochelidon pyrrhonota	cliff swallow
Family Icteridae	
Molothrus ater	brown-headed cowbird
Sturnella neglecta	western meadowlark
Family Mimidae	
Toxostoma redivivum	California thrasher
Family Odontophoridae	
Callipepla californica	California quail
Family Paridae	
Baeolophis inomatus	oak titmouse
Family Parulidae	
Dendroica coronata	yellow-rumped warbler

Scientific Name	Common Name
Wilsonia pusilla	Wilson's warbler
Family Picidae	
Colaptes auratus	northern flicker
Picoides nuttallii	Nuttall's woodpecker
Melanerpes formicivores	acorn woodpecker
Family Sittidae	·
Sitta carolinensis	white-breasted nuthatch
Family Stumidae	
Stumas vulgaris	European starling
Family Sylviidae	
Chamaea fasciata	wrentit
Polioptila caerulea	blue-gray gnatcatcher
Family Turidae	<u> </u>
Sialia mexicana	western bluebird
Family Trochilidae	
Calypte anna	Anna's hummingbird
Family Troglodytidae	- J
Thryomanes bewickii	Bewick's wren
Troglodytes aedon	house wren
Family Tyrannidae	
Empidonax difficilis	Pacific slope flycatcher
Myiarchus cinerascens	ash-throated flycatcher
Sayornis nigricans	black phoebe
Tyrannus verticulis	western kingbird
Family Vireoniidae	
Vireo gilvus	warbling vireo
Vireo huttoni	Hutton's vireo
MAMMALS	
Order Carnivora	Carnivores
Family Canidae	
Canis latrans	coyote
Family Felidae	
Puma concolor	mountain lion
Lynx rufus	bobcat
Family Cervidae	
Odocoileus hemionus	mule deer
Order Lagomorpha	Rabbits, Hares, and Pikas
Family Leporidae	
Lepus californicus bennettii	San Diego black-tailed jackrabbit
Sylvilagus audubonii	cottontail
Family Sciuridae	Squirrels, Rats, Mice, and Relatives
Spermorphilus beecheyi	California ground squirrel
Family Geomyidae	Camerina gi sana oquinor
Thomomys bottae	Botta's pocket gopher
Family Muridae	
Neotoma fuscipes	woodrat
	20 0.0.

**boldface** = a sensitive species

## APPENDIX F 24-HOUR NOTIFICATION LETTERS TO USFWS

#### APPENDIX F.1 04/08/2010 24-HOUR NOTIFICATION LETTER TO USFWS



AECOM 1420 Kettner Boulevard Suite 500 San Diego, CA 92101 www.aecom.com 619.233.1454 tel 619.233.0952 fax

April 09, 2010

Ms. Sandra Marquez Recovery Permit Coordinator Carlsbad Fish and Wildlife Office 6010 Hidden Valley Road, Suite 101 Carlsbad, California 92011

RE: Notification of the First Quino Checkerspot Butterfly Observation for the Campo Wind Energy Project, San Diego County, California

Dear Ms. Marquez:

AECOM is submitting this notification letter to inform you that three Quino checkerspot butterfly (*Euphydryas editha quino*; Quino) individuals were observed at the proposed Campo Wind Energy project site in southeastern San Diego County, California (Figures 1 and 2). On April 08, 2010, AECOM biologists Andrew Fisher and Jimmy McMorran (both supervised under permit number TE-820658) made the observation during a reconnaissance level survey for avian point count locations. Although the project site exists within U.S. Fish and Wildlife (USFWS) Quino Survey Area 2, Mr. Fisher and Mr. McMorran did not collect the specimen for identification according to the USFWS protocol (2002), per the pre-activity notification letter submitted for the proposed project on March 12, 2010. Additionally, both Mr. Fisher and Mr. McMorran are not individually permitted. The sightings are detailed below.

A total of three distinctly unique Quino individuals were detected and observed during the period of 12:40 to 13:15. All three were observed within 100 feet of each other, in open/red-shank chaparral habitat largely dominated by ceanothus (*Ceanothus* sp.), chamise (*Adenostoma fasciculatum*), with sparsely scattered coast live oak trees (*Quercus agrifolia*) (Photos 1 and 2). Weather consisted of clear skies, winds of 1-3 mph blowing from the east/southeast, and a temperature of 68 degrees Fahrenheit.

One female Quino was observed by Mr. Fisher and Mr. McMorran resting on buckwheat (*Eriogonum fasciculatum*) at 12:40 (Photos 3 and 4). This first Quino had a small nick in its right forewing, but otherwise appeared in a fresh condition. Mr. Fisher and Mr. McMorran observed it resting on the same buckwheat shrub for approximately 10 minutes. The second Quino was observed within 50 feet of the first Quino, basking on the trail. This Quino appeared to be somewhat worn and more faded than the first Quino, and quickly took flight after a few photos were taken from a distance (Photos 5 and 6). A third Quino was detected in close proximity to the second Quino, nectaring on baby blue eyes (*Nemophila menziesii*). It was also a fresh individual, and was noticeably smaller than the first fresh Quino detected. This individual also took quickly took flight after Mr. Fisher was able to take photographs from a distance (Photo 7).

This letter is official notification of this sighting and capture as required by the USFWS protocol for this species. Following this transmittal, a hard copy of this letter including maps will be sent as well. If you have any questions or comments, please contact me at (619) 233-1454.

Sincerely,

Barbra Calantas Wildlife Biologist

Enclosures: Figure 1 Regional Map

Figure 2 Vicinity Map

Figure 3 Quino Observation Location Map

cc: Eric Porter, USFWS

Alison Anderson, USFWS Kelly Meyer, Invenergy

Monique LaChappa, Chairwoman, Campo Kumeyaay Nation

Deanna Leon, President, Muht-Hei Inc.

Lisa Gover, Campo EPA

Denise Turner Walsh, Campo Tribal Attorney

Photo 1



Photo 2



Photo 3



Photo 4



Photo 5

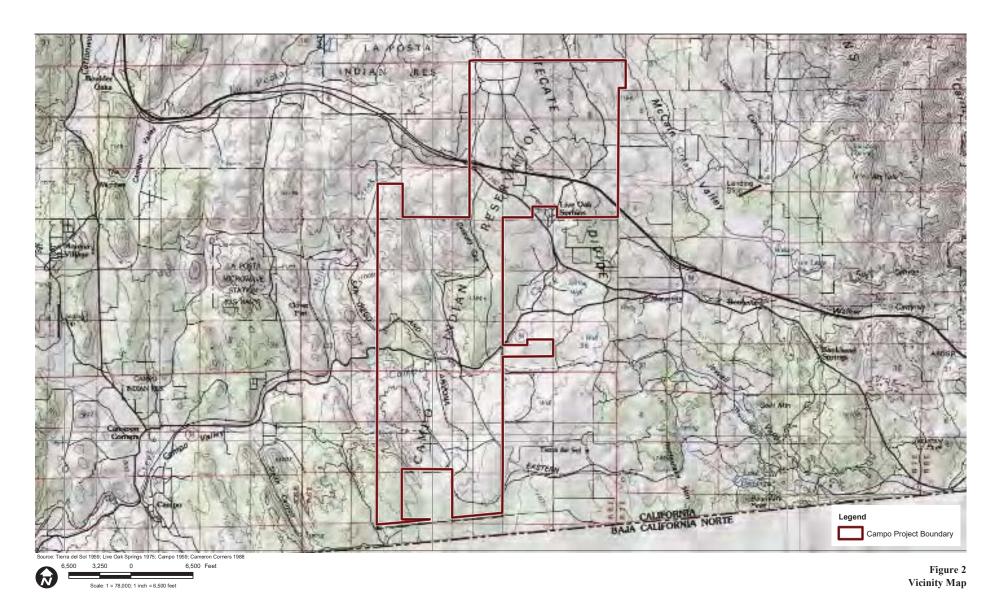


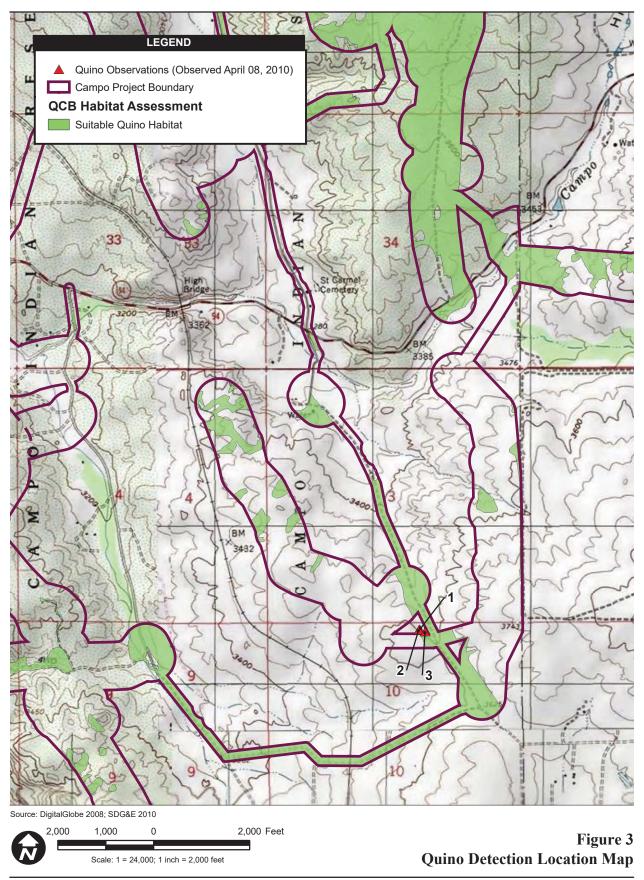
Photo 6



Photo 7







#### APPENDIX F.2 04/09/2010 24-HOUR NOTIFICATION LETTER TO USFWS



AECOM 1420 Kettner Boulevard Suite 500 San Diego, CA 92101 www.aecom.com 619.233.1454 tel 619.233.0952 fax

April 12, 2010

Ms. Sandra Marquez Recovery Permit Coordinator Carlsbad Fish and Wildlife Office 6010 Hidden Valley Road, Suite 101 Carlsbad, California 92011

RE: Notification of the Second Quino Checkerspot Butterfly Observation for the Campo Wind Energy Project, San Diego County, California

Dear Ms. Marquez:

AECOM is submitting this notification letter to inform you that two Quino checkerspot butterfly (*Euphydryas editha quino*; Quino) individuals were observed at the proposed Campo Wind Energy project site in southeastern San Diego County, California (Figures 1 and 2). On April 09, 2010, David Flietner (TE-008031), a sub-contractor to AECOM and AECOM biologist Erin Bergman (supervised under permit number TE-820658) made the observation during a protocol Quino survey. Although the project site exists within U.S. Fish and Wildlife (USFWS) Quino Survey Area 2, Mr. Flietner and Ms. Bergman did not collect the specimen for identification according to the USFWS protocol (2002), per the pre-activity notification letter submitted for the proposed project on March 12, 2010. The sighting is detailed below.

Two Quino were observed approximately 500 feet southwest of BIA Road 15 on the Campo Reservation (UTM 11S easting:0559472 northing:3612756) (Figure 3) by Mr. Flietner and Ms. Bergman from 13:00 – 13.15. The Quino were detected on an unused or little-used dirt road, an adjacent embankment, and in adjacent open chaparral. The Quino were basking (separately) on open sandy soil within the roadway; as Flietner and Bergman approached to take pictures, the butterflies would fly short distances and alight in other open areas, returning periodically to the same general locations where they were originally observed. Both Quino were in excellent condition, and both observers clearly detected diagnostic markings (abdominal and wing markings; wing shape) on both butterflies. Photos 1 and 2 provide the best images of the butterflies; Photo 3 shows the habitat within the roadway where the Quino alighted.

The surrounding vegetation contains less than 10% shrub cover, consisting of *Adenostoma fasciculata, Rhus ovata, Ceanothus greggii* (in flower), and *Cercocarpus betuloides*; a denser stand dominated by *Adenostoma sparsifolium* begins about 50 feet west of the observation point. *Lotus scoparius*, young *Eriogonum fasiculatum* and *Corethrogyne filaginifolia* provide about 20% low (1 – 2 feet tall) cover. Less than 10% herbaceous cover is provided by seedlings of *Erodium cicutarium*, *Brassica* sp., as well as nectar sources *Plagiobotrys* sp.,

Lasthenia californica, and Dichelostema capitatum, which were non-blooming or in early bloom (with most flowers unopened).

This letter is official notification of this sighting and capture as required by the USFWS protocol for this species. Following this transmittal, a hard copy of this letter including maps will be sent as well. If you have any questions or comments, please contact me at (619) 233-1454.

Sincerely,

Barbra Calantas Wildlife Biologist

Enclosures: Figure 1 Regional Map

Figure 2 Vicinity Map

Figure 3 Quino Observation Location Map

cc: Eric Porter, USFWS

Alison Anderson, USFWS Kelly Meyer, Invenergy

Monique LaChappa, Chairwoman, Campo Kumeyaay Nation

Deanna Leon, President, Muht-Hei Inc.

Lisa Gover, Campo EPA

Denise Turner Walsh, Campo Tribal Attorney

Photo 1

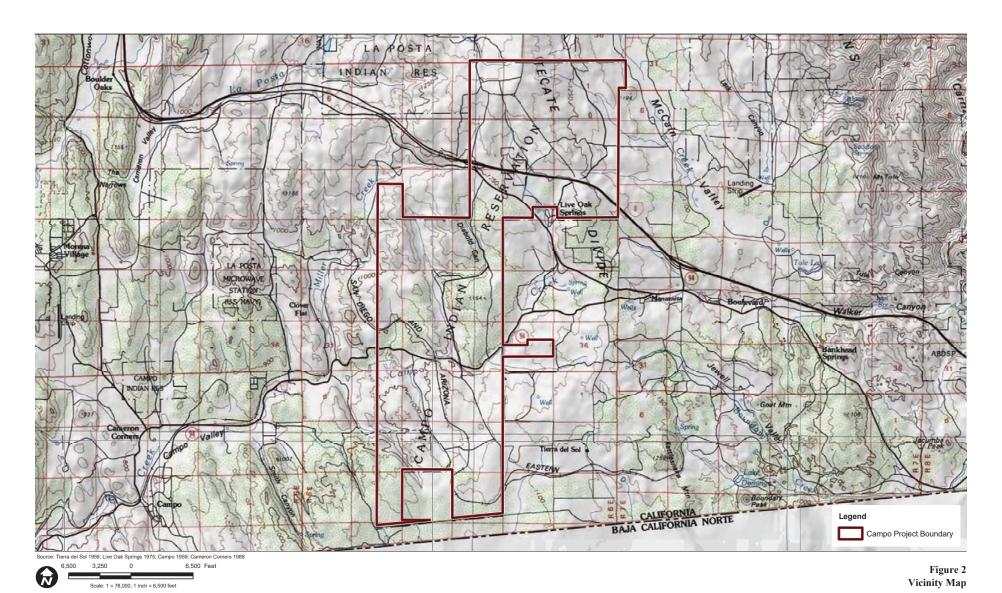


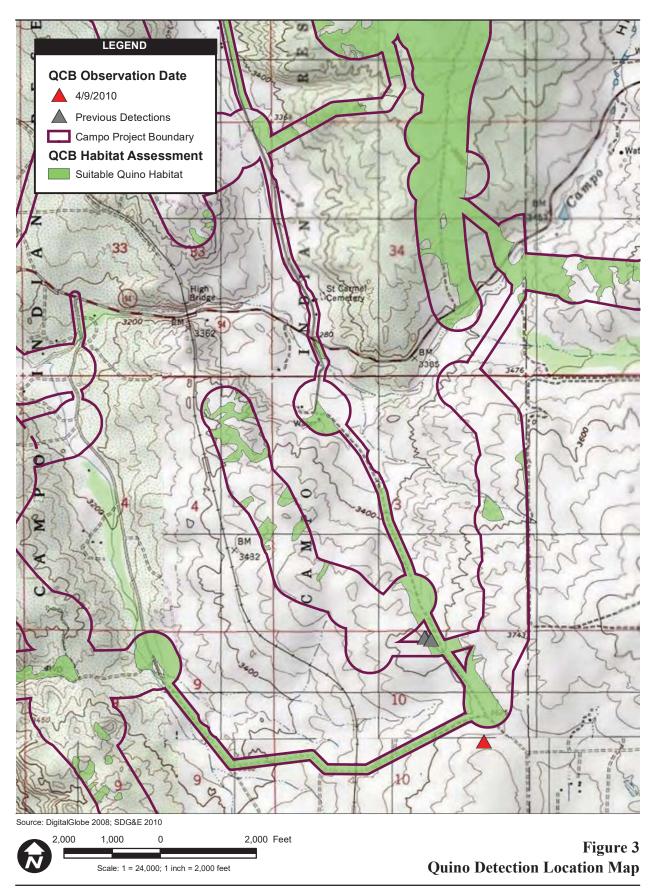
Photo 2



Photo 3







## APPENDIX F.3 04/13/2010 24-HOUR NOTIFICATION LETTER TO USFWS



AECOM 1420 Kettner Boulevard Suite 500 San Diego, CA 92101 www.aecom.com 619.233.1454 tel 619.233.0952 fax

April 14, 2010

Ms. Sandra Marquez Recovery Permit Coordinator Carlsbad Fish and Wildlife Office 6010 Hidden Valley Road, Suite 101 Carlsbad, California 92011

RE: Notification of the Third Quino Checkerspot Butterfly Observation for the Campo Wind Energy Project, San Diego County, California

Dear Ms. Marquez:

AECOM is submitting this notification letter to inform you that another Quino checkerspot butterfly (*Euphydryas editha quino*; Quino) individual was observed at the proposed Campo Wind Energy project site in southeastern San Diego County, California (Figures 1 and 2). On April 13, 2010, Consulting Biologist Michael Couffer (permit number TE-782703-8), subcontractor to AECOM observed a Quino within the project's boundaries during protocol surveys for the species. Although the project site exists within U.S. Fish and Wildlife (USFWS) Quino Survey Area 2, Mr. Couffer did not collect the specimen for identification according to the USFWS protocol (2002), per the pre-activity notification letter submitted for the proposed project on April 2, 2010. The sighting is detailed below.

At 10:30, Mr. Couffer observed a Quino warming itself on bare ground on a hilltop immediately north of Interstate 8, and east of Crestwood Road, at (NAD 83) 11S 0560363, 3619015, at approximately 4295 feet in elevation. Weather at the time was approximately 58 degrees Fahrenheit, with wind speeds around 3 mph and sunny, clear skies. The Quino detected was somewhat drab, with limited fraying of wing edges (Photo 1 and Photo 2). At 12:36 hours, a return visit to the hilltop revealed that this Quino had moved only 8 feet from its initial location. No other Quinos were observed by Mr. Couffer on this date.

This letter is official notification of this sighting and capture as required by the USFWS protocol for this species. Following this transmittal, a hard copy of this letter including maps will be sent as well. If you have any questions or comments, please contact me at (619) 233-1454.

Sincerely,

Barbra Calantas Wildlife Biologist Enclosures: Figure 1 Regional Map

Figure 2 Vicinity Map

Figure 3 Quino Observation Location Map

cc: Eric Porter, USFWS Alison Anderson, USFWS Kelly Meyer, Invenergy

Monique LaChappa, Chairwoman, Campo Kumeyaay Nation

Deanna Leon, President, Muht-Hei Inc.

Lisa Gover, Campo EPA

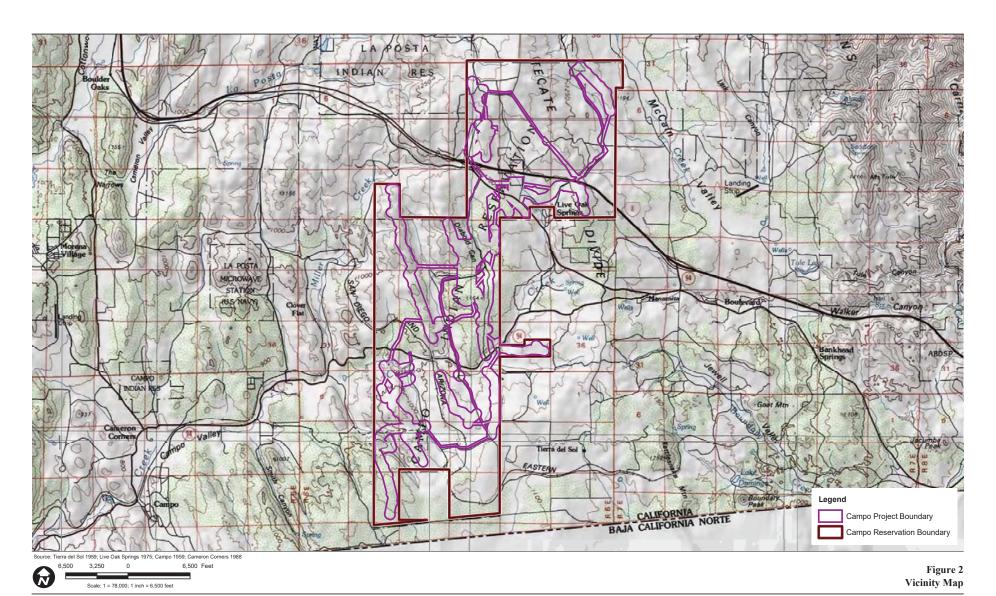
Denise Turner Walsh, Campo Tribal Attorney

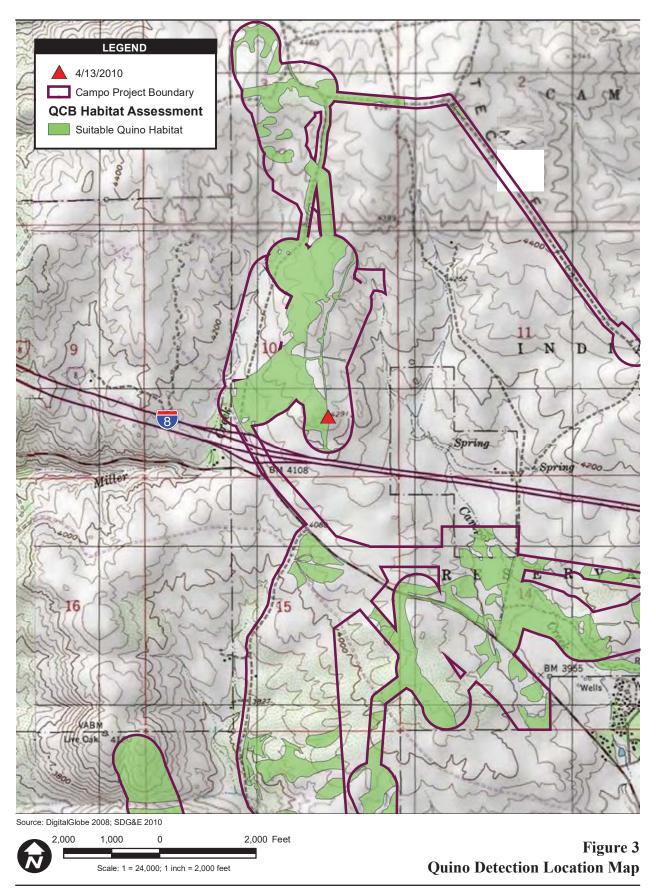
Photo 1



Photo 2







## APPENDIX F.4 04/15/2010 24-HOUR NOTIFICATION LETTER TO USFWS



AECOM 1420 Kettner Boulevard Suite 500 San Diego, CA 92101 www.aecom.com 619.233.1454 tel 619.233.0952 fax

April 16, 2010

Ms. Sandra Marquez Recovery Permit Coordinator Carlsbad Fish and Wildlife Office 6010 Hidden Valley Road, Suite 101 Carlsbad, California 92011

RE: Notification of the Fourth and Fifth Quino Checkerspot Butterfly Observations for the Campo Wind Energy Project, San Diego County, California

Dear Ms. Marquez:

AECOM is submitting this notification letter to inform you that additional Quino checkerspot butterfly (*Euphydryas editha quino*; Quino) individuals were observed at the proposed Campo Wind Energy project site in southeastern San Diego County, California (Figures 1 and 2). The fourth Quino observation for this project consisted of two observations on April 15, 2010 and the fifth Quino observation took place on April 16, 2010. On April 15, 2010, AECOM biologists Andrew Fisher and Jimmy McMorran (both supervised under permit number TE-820658-4) incidentally observed two Quino individuals during avian surveys. On the same day, Ken Osborne (permit number TE-837760-6), sub-contractor to AECOM, observed two Quino individuals adjacent to the project's boundaries en route to the project survey area, during protocol surveys for the species. On April 16, 2010, AECOM biologist Bonnie Hendricks (TE-820658-4) observed one Quino within project boundaries. Although the project site exists within U.S. Fish and Wildlife (USFWS) Quino Survey Area 2, these biologists did not collect the specimen for identification according to the USFWS protocol (2002), per the pre-activity notification letter submitted for the proposed project on March 12, 2010. The sightings are detailed below.

On April 15, Mr. Fisher observed a Quino individual at 10:15, at UTM coordinates 11S 0559952, 3609757 (Figure 3a, Quino 1). Weather consisted of clear skies with temperatures of 64.4 degrees Fahrenheit with wind speeds of 3.3 mph blowing from the northeast. The Quino had was identified by its characteristic black abdomen with orange bands, and had worn wings. Prior to Mr. Fisher taking a photograph, the wind blew the Quino away. The habitat in the vicinity of the area consisted of semi-open buckwheat scrub intermixed with scrub oak and chamise (Photo 1). The main nectar source in the area was popcorn flower (*Plagiobotrys* sp.) with few other nectar species present. At 13:15, Mr. Fisher and Mr. McMorran observed another Quino in an area where they both previously detected Quino on April 8, 2010 at UTM coordinates 11S 0560211, 3610530 (Figure 3a, Quino 2). This individual was in a worn condition with slight fraying of wing edges (Photo 2). It was observed nectaring on baby blue eyes (*Nemophila menziesii*). Weather was about 72 degrees Fahrenheit, wind was 3.5 mph on average, and gusted up to 8 mph, with overcast skies.

On April 15, another observation was made by Mr. Osborne. From 15:48 to 15:57, Mr. Osborne was walking towards his vehicle after completing surveys for the day and observed two Quino males adjacent to the project area boundaries (Figure 3b, Quino 3 and 4). These Quino were found at UTM coordinates 11S 0562198, 3617293 and 11S 0562881, 3617289. Following a cleared firebreak along a ridgeline east of the community of Live Oak Springs, Mr. Osborne encountered these two males hilltopping. These butterflies were alternately basking on the ground and very actively chasing or being chased by other butterflies such as *Vanessa carduii* and *Euchloe hyantis*. This prominent, rounded hilltop they were detected is also cleared by the firebreak. Both Quino were in a worn condition, faded in color, but with no nicks or tears in the wings. Photographs were taken, but will be provided at a later date.

The fifth Quino observation for the project was made by Ms. Hendricks on April 16. Ms. Hendricks observed one Quino at 10:10 within the project area at UTM coordinates 11S 0557013, 3610034 (Figure 3c, Quino 5). Weather consisted of clear, sunny skies, with a temperature of 71.5 degrees Fahrenheit and wind speeds of 1.7 mph. This Quino was fresh and crisp. It was detected within mixed chaparral habitat dominated by chamise (*Adenostoma fasciculatum*) and mountain mahogany (*Cercocarpus* sp.). Ms. Hendricks attempted to take a photo of the Quino but was not able to prior to it taking flight.

This letter is official notification of this sighting and capture as required by the USFWS protocol for this species. Following this transmittal, a hard copy of this letter including maps will be sent as well. If you have any questions or comments, please contact me at (619) 233-1454.

Sincerely,

Barbra Calantas Wildlife Biologist

Enclosures: Figure 1 Regional Map

Figure 2 Vicinity Map

Figures 3a, 3b, 3c Quino Observation Location Maps

cc: Eric Porter, USFWS

Alison Anderson, USFWS

Kelly Meyer, Invenergy

Monique LaChappa, Chairwoman, Campo Kumeyaay Nation

Deanna Leon, President, Muht-Hei Inc.

Lisa Gover, Campo EPA

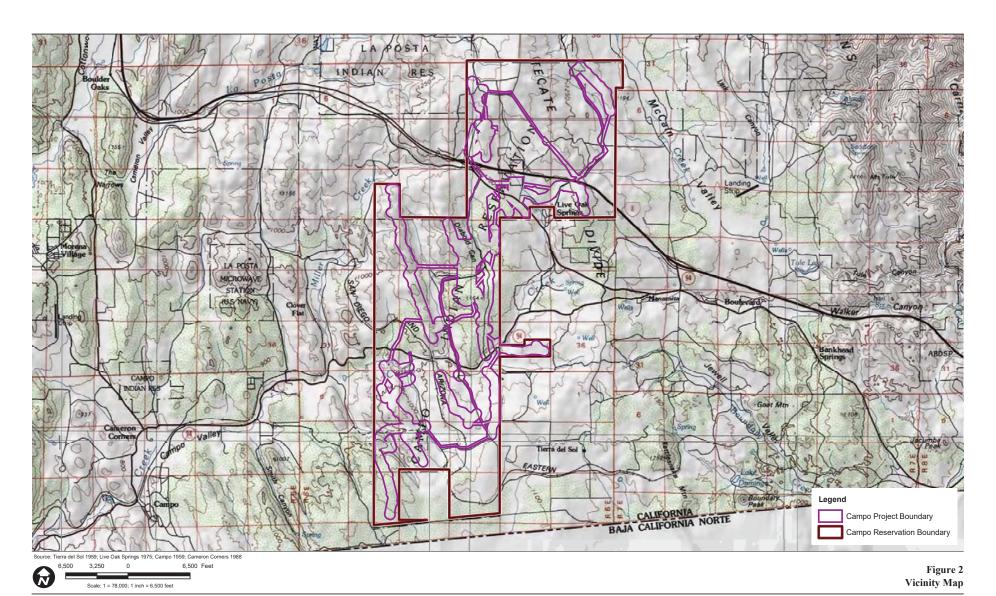
Denise Turner Walsh, Campo Tribal Attorney

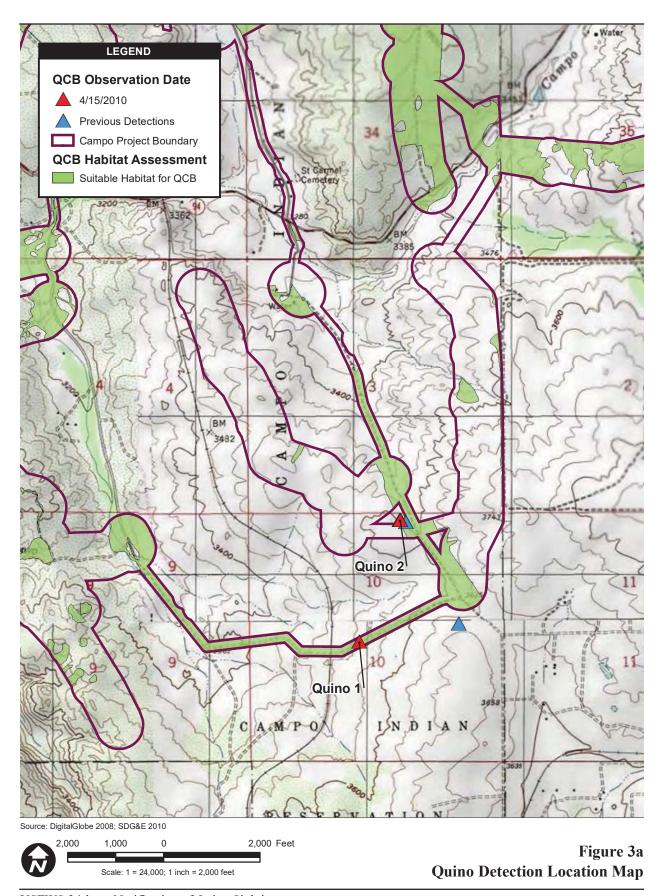
Photo 1

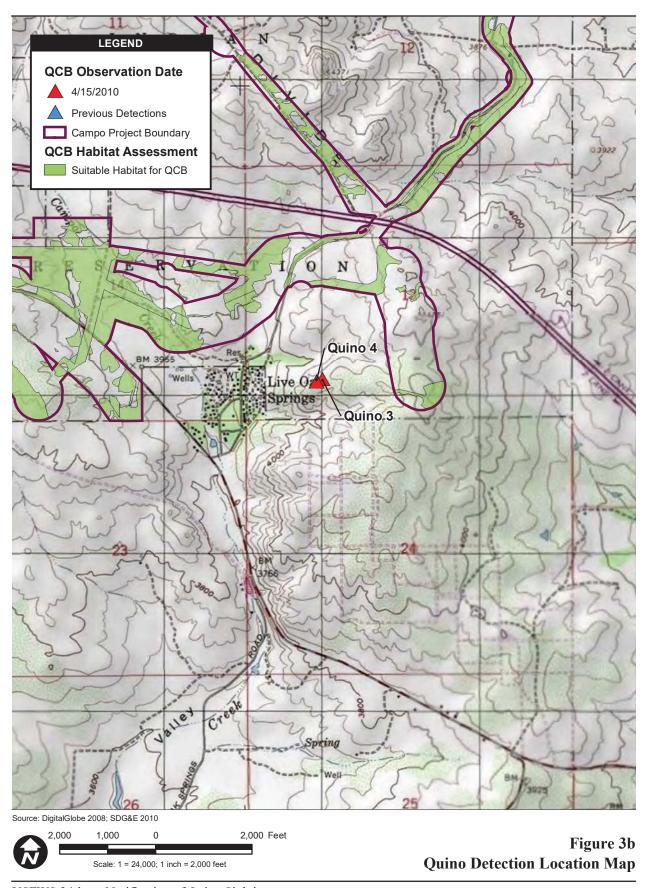


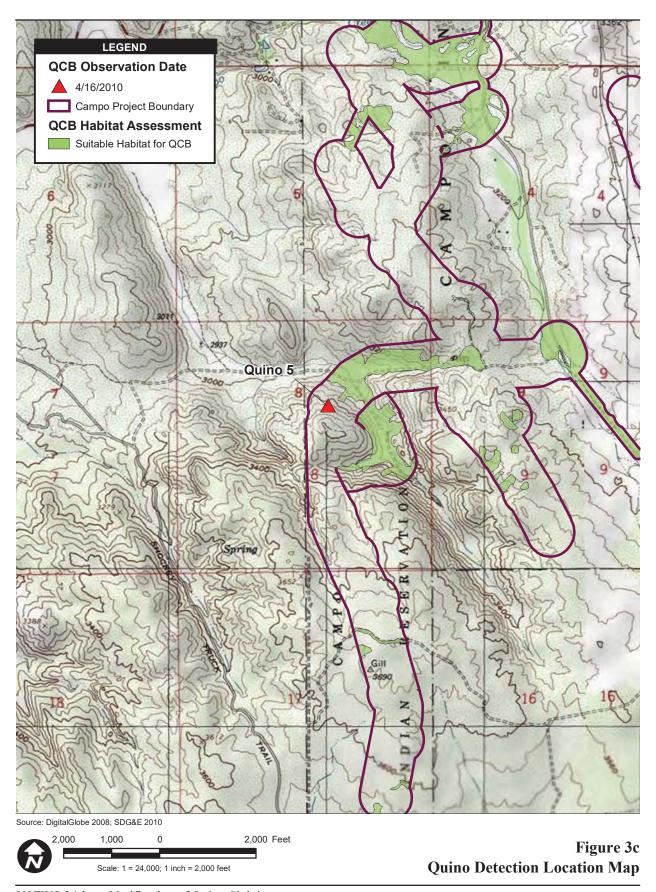
Photo 2











## APPENDIX F.5 04/19/2010 24-HOUR NOTIFICATION LETTER TO USFWS



AECOM 1420 Kettner Boulevard Suite 500 San Diego, CA 92101 www.aecom.com 619.233.1454 tel 619.233.0952 fax

April 19, 2010

Ms. Sandra Marquez Recovery Permit Coordinator Carlsbad Fish and Wildlife Office 6010 Hidden Valley Road, Suite 101 Carlsbad, California 92011

RE: Notification of the Sixth Quino Checkerspot Butterfly Observation at the Manzanita Wind Energy Project, San Diego County, California

Dear Ms. Marquez:

AECOM is submitting this notification letter to inform you that two additional Quino checkerspot butterflies (*Euphydryas editha quino*; Quino) were observed immediately adjacent to the proposed Campo Wind Energy project site in southeastern San Diego County, California. On April 19, 2010, Consulting Biologist Michael Couffer (permit number TE-782703-8), subcontractor to AECOM observed two Quino within the Campo Reservation boundaries during protocol surveys for the species. Although the project site exists within U.S. Fish and Wildlife (USFWS) Quino Survey Area 2, Mr. Couffer did not collect the specimen for identification according to the USFWS protocol (2002), per the pre-activity notification letter submitted for the proposed project on April 2, 2010. The sighting is detailed below.

At 13:45 hours, Mr. Couffer observed two Quinos interacting along the eastern fenced border for the Campo Indian Reservation, adjacent to the Campo Wind Energy project's study area. One Quino was observed chasing another Quino across the reservation border fence and entering reservation land at (NAD 83) 11 South 0562494, 3612598, and 0562502, 3612603 (Figure 3). The elevation was approximately 3,730 feet above lower mean sea level. This location was south of SR 94 (Campo Road), east of the north to south-running portion of Shasta Way, north of the east to west-running portion of Shasta Way, and immediately west of Camino del Monte.

One active male Quino chased a second Quino up and down the reservation border road twice, and then onto reservation land at the above coordinates. The Quino being chased appeared to be in good condition, but was not photographed. The active male Quino kept to a patch of bare ground and scattered popcornflower (*Plagiobothrys* sp.), where it chased all other butterflies and bee flies passing overhead. The two attached photos are of the same individual, which was somewhat drab and had tears in the wings (Photos 1 and 2).

This letter is official notification of this sighting and capture as required by the USFWS protocol for this species. Following this transmittal, a fax and a hard copy of this letter including maps will

be sent as well. If you have any questions or comments, please contact me at (619) 233-1454.

Sincerely,

Barbra Calantas Wildlife Biologist

Enclosures: Figure 1 Regional Map

Figure 2 Vicinity Map

Figure 3 Quino Observation Location Map

cc: Eric Porter, USFWS

Alison Anderson, USFWS Kelly Meyer, Invenergy

Monique LaChappa, Chairwoman, Campo Kumeyaay Nation

Deanna Leon, President, Muht-Hei Inc.

Lisa Gover, Campo EPA

Denise Turner Walsh, Campo Tribal Attorney



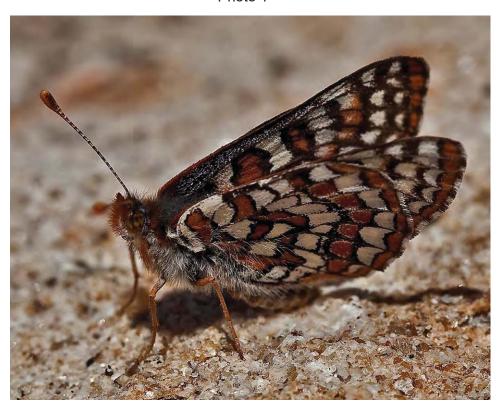
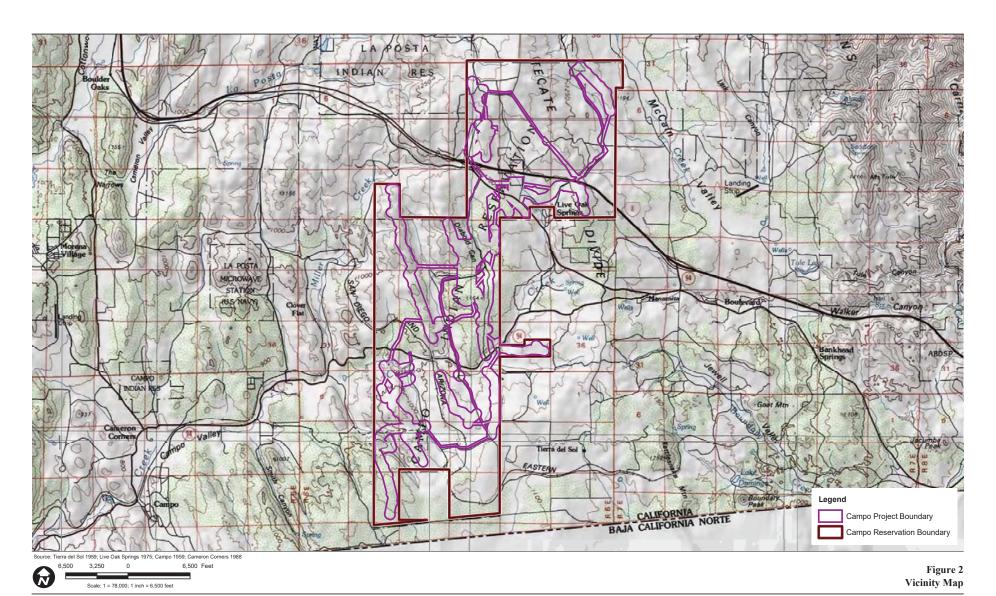
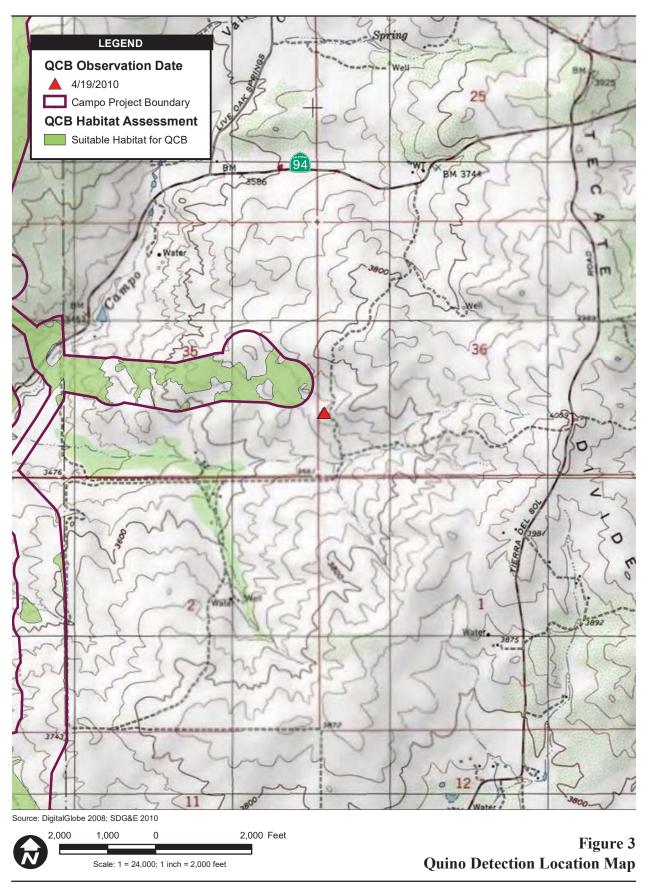


Photo 2







# APPENDIX F.6 04/24/2010 24-HOUR NOTIFICATION LETTER TO USFWS



619.233.1454 tel 619.233.0952 fax

April 26, 2010

Ms. Sandra Marquez Recovery Permit Coordinator Carlsbad Fish and Wildlife Office 6010 Hidden Valley Road, Suite 101 Carlsbad, California 92011

RE: Notification of the Seventh Quino Checkerspot Butterfly Observation at the Campo Wind Energy Project, San Diego County, California

Dear Ms. Marquez:

AECOM is submitting this notification letter to inform you that an additional Quino checkerspot butterfly (*Euphydryas editha quino*; Quino) was observed within the proposed Campo Wind Energy project site in southeastern San Diego County, California. On April 24, 2010, Consulting Biologist Michael Couffer (permit number TE-782703-8), sub-contractor to AECOM observed a Quino during protocol surveys for the species. Although the project site exists within U.S. Fish and Wildlife (USFWS) Quino Survey Area 2, Mr. Couffer did not collect the specimen for identification according to the USFWS protocol (2002), per the pre-activity notification letter submitted for the proposed project on April 2, 2010. The sighting is detailed below.

At 13:20 hours, Mr. Couffer observed one Quino approximately 1,312 feet south of Old Highway 80, south of the Golden Acorn Casino, at (NAD 83) 11S 0560710, 3617216 (Figure 3). This location is east of Church Road. The Quino was observed at approximately 4030 feet above lower mean sea level. The species was verified with binoculars, but was not photographed. After the Quino was flushed off bare ground, it landed on a 3-inch-tall popcornflower (*Plagiobothrys* sp.). While approaching closer to photograph the butterfly, it flushed and flew into moderate density chamise chaparral, and was not found again. This was a well-worn, drab individual, that had worn wing edges and faded abdomen stripes.

The butterfly was found on an old, unused dirt road that ran north to south. Because the prevailing winds in the area blow either from the east or from the west, shrubs deflect the wind over the road, causing a long dead air space with abundant bare ground and scattered popcornflowers (Photos 1 and 2). If the road had been oriented east to west, the prevailing winds would blow right down the road much of the time. Photos 1 and 2 are provided in order to attempt to illustrate the quality of this old dirt road as high quality Quino habitat.

This letter is official notification of this sighting and capture as required by the USFWS protocol for this species. Following this transmittal, a fax and a hard copy of this letter including maps will be sent as well. If you have any questions or comments, please contact me at (619) 233-1454.

Sincerely,

Barbra Calantas Wildlife Biologist

Enclosures: Figure 1 Regional Map

Figure 2 Vicinity Map

Figure 3 Quino Observation Location Map

cc: Eric Porter, USFWS

Alison Anderson, USFWS Kelly Meyer, Invenergy

Monique LaChappa, Chairwoman, Campo Kumeyaay Nation

Deanna Leon, President, Muht-Hei Inc.

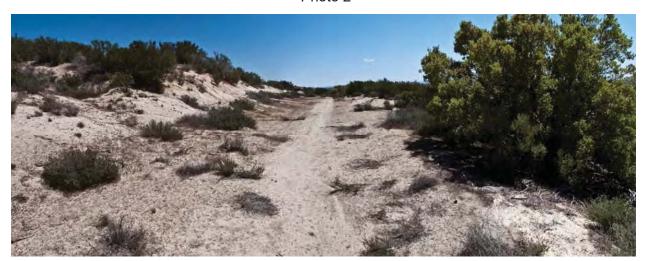
Lisa Gover, Campo EPA

Denise Turner Walsh, Campo Tribal Attorney

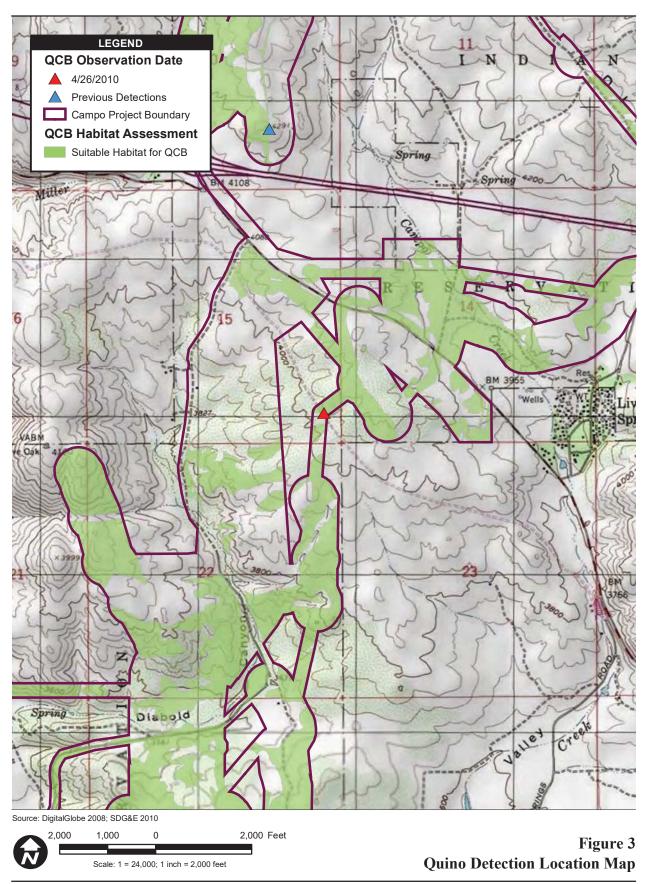
#### Photo 1



Photo 2



USFWS 24-hour Notification of Quino Sighting Path: P. 2009/09080183\_Campo\_winded GISG. LayoudBOOQCB.USFWS\_2



## APPENDIX F.7 04/26/2010 24-HOUR NOTIFICATION LETTER TO USFWS



619.233.1454 tel 619.233.0952 fax

April 27, 2010

Ms. Sandra Marquez Recovery Permit Coordinator Carlsbad Fish and Wildlife Office 6010 Hidden Valley Road, Suite 101 Carlsbad, California 92011

RE: Notification of the Eighth Quino Checkerspot Butterfly Observation at the Campo Wind Energy Project, San Diego County, California

Dear Ms. Marquez:

AECOM is submitting this notification letter to inform you that an additional Quino checkerspot butterfly (*Euphydryas editha quino*; Quino) was observed on the proposed Campo Wind Energy project site in southeastern San Diego County, California. On April 26, 2010, Consulting Biologist Michael Couffer (permit number TE-782703-8), sub-contractor to AECOM observed one Quino within the Campo Reservation boundaries during protocol surveys for the species. Although the project site exists within U.S. Fish and Wildlife (USFWS) Quino Survey Area 2, Mr. Couffer did not collect the specimen for identification according to the USFWS protocol (2002), per the pre-activity notification letter submitted for the proposed project on April 2, 2010. The sighting is detailed below.

At 14:13 hours, Mr. Couffer observed one Quino at (NAD 83) 11 South 0560671, 3611605 (Figure 3). The elevation was approximately 3,564 feet above lower mean sea level. This location was south of SR 94 (Campo Road), east of Church Road, northwest of Vista del Cielo, and southwest of Shasta Way. The Quino was not brightly colored but was also not worn, it looked to be in an "in-between" condition. The Quino took flight during an attempt to photograph it.

The Quino was within an extensive sandy inclusion of low density southern mixed chaparral, surrounded on 3 sides by high density chaparral (Photo 1). Nectar sources such as popcornflower were abundant. Large fields of Lasthenia sp. were also present. Collinsia concolor was found to be widely scattered in the area, often growing within buckwheat shrubs (Photo 2).

This letter is official notification of this sighting and capture as required by the USFWS protocol

for this species. Following this transmittal, a fax and a hard copy of this letter including maps will be sent as well. If you have any questions or comments, please contact me at (619) 233-1454.

Sincerely,

Barbra Calantas Wildlife Biologist

Enclosures: Figure 1 Regional Map

Figure 2 Vicinity Map

Figure 3 Quino Observation Location Map

cc: Eric Porter, USFWS

Alison Anderson, USFWS Kelly Meyer, Invenergy

Monique LaChappa, Chairwoman, Campo Kumeyaay Nation

Deanna Leon, President, Muht-Hei Inc.

Lisa Gover, Campo EPA

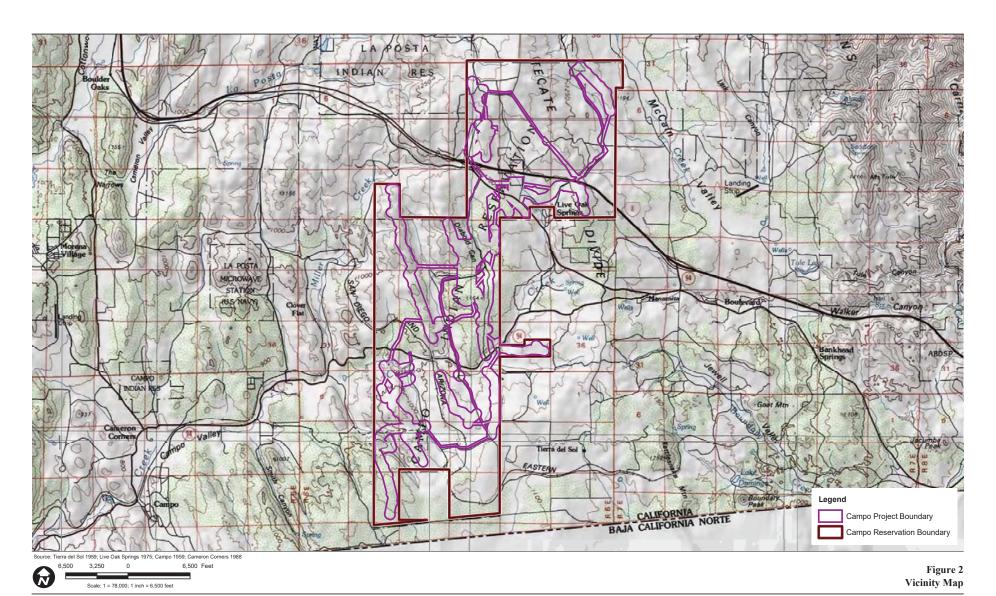
Denise Turner Walsh, Campo Tribal Attorney

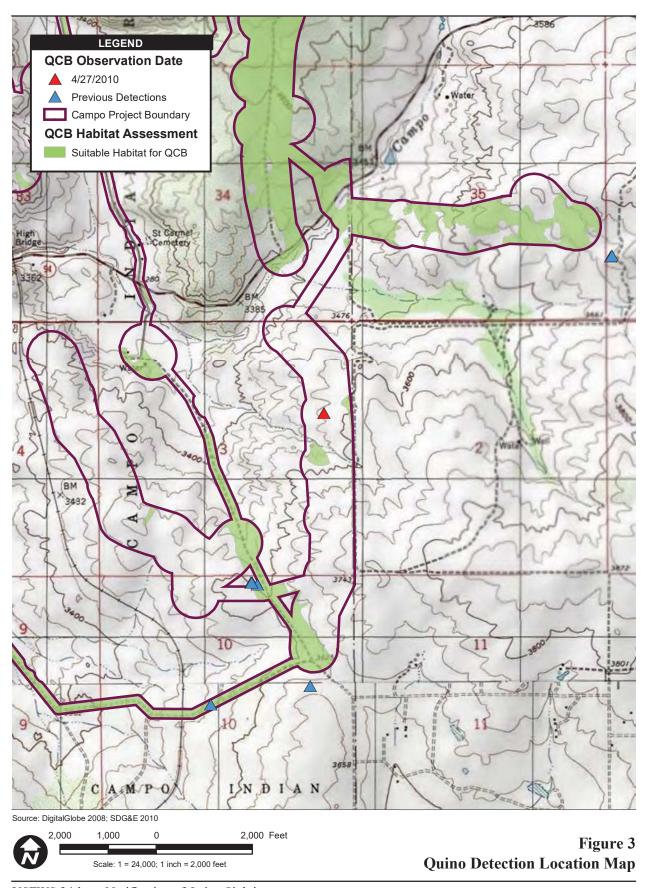
Photo 1



Photo 2







## APPENDIX F.8 04/27/2010 24-HOUR NOTIFICATION LETTER TO USFWS



619.233.1454 tel 619.233.0952 fax

April 29, 2010

Ms. Sandra Marquez Recovery Permit Coordinator Carlsbad Fish and Wildlife Office 6010 Hidden Valley Road, Suite 101 Carlsbad, California 92011

RE: Notification of the Ninth Quino Checkerspot Butterfly Observation at the Campo Wind Energy Project, San Diego County, California

Dear Ms. Marquez:

AECOM is submitting this notification letter to inform you that additional Quino checkerspot butterfly (*Euphydryas editha quino*; Quino) individuals were observed on the proposed Campo Wind Energy project site in southeastern San Diego County, California. On April 27, 2010, consulting biologists Michael Couffer (permit number TE-782703-8), and Dale Powell (permit number TE-006559-4), sub-contractors to AECOM, observed four Quino individuals within the Campo Reservation boundaries during protocol surveys for the species. Also, AECOM biologist Andrew Fisher (supervised under TE-820658-4) observed one of Mr. Couffer's Quino at a separate time, independent of Mr. Couffer. Although the project site exists within U.S. Fish and Wildlife (USFWS) Quino Survey Area 2, Mr. Couffer, Mr. Powell, and Mr. Fisher did not collect the specimens for identification according to the USFWS protocol (2002), per the pre-activity notification letter submitted for the proposed project on April 2, 2010. Additionally, Mr. Fisher is not currently independently authorized for Quino. The sightings are detailed below.

At 12:40 hours, Mr. Couffer observed one Quino nectaring on white layia (*Layia glandulosa*) at (NAD 83) 11 South 0556986, 3609928 (Figure 3; Quino 1), at approximately 3,382 feet above lower mean sea level. The tip of the upper right forewing tip was gone, and this butterfly was drab, but still a strong flyer, and flew off before a photo could be taken. However, earlier that morning at 11:45, Mr. Fisher observed what is highly likely the same Quino 1 that Mr. Couffer while he was conducing an avian survey. Mr. Fisher's Quino was in the same exact location and fit the same physical description as Mr. Couffer's Quino (Photo 1).

At 14:45 hours, Mr. Couffer observed a second Quino was observed nectaring on white layia adjacent to this location at (NAD 83) 11 South 0556995, 3609943 (Figure 3, Quino 2), at approximately 3,372 feet above lower mean sea level. This Quino was a bit drab, and the tip of the upper right wing was intact (Photo 2). The intact wingtip proved that this was a different individual from the Quino previously observed.

From 15:40 to 15:47 hours, Mr. Couffer observed a third Quino. He followed and photographed

it as it nectared on white layia at (NAD 83) 11 South 0557077, 3610140 (Figure 3, Quino 3), at approximately 3,127 feet above lower mean sea level. This Quino lacked the sharp contrast of a newly-emerged individual, but its wing edges were nearly perfect, and it appeared to be in good condition (Photo 3).

At 12:27 hours, Mr. Powell observed a Quino while conducting protocol level surveys when he coincidentally ran into Mr. Fisher in the field. This Quino was found in similar habitat with the same nectar sources abundant, at location (NAD 83) 11 South 0557051, 3610098 (Figure 3, Quino 4). This Quino was in a worn condition, and looked different than the other three Quino previously detected by Mr. Couffer (Photo 4).

The first two Quinos found by Mr. Couffer were found immediately below the crown of a hilltop that rises from approximately 3,000 feet to 3,400 feet in elevation in open chaparral habitat (Photos 5 and 6). The third Quino Mr. Couffer detected was found near the toe of slope of this hill in similar habitat. Purple Chinese houses (*Collinsia concolor*) were observed from the toe of slope to the highest point of the hilltop within both open areas and dense chaparral. Collinsia was found at very low densities as well as at very high densities. The highest densities observed seemed to be near the top of the hill. White layia was found at high densities as well.

The general location was south of SR 94 (Campo Road), north of Tierra del Sol Road, east of Shockey Truck Trail, and west of BIA Road 15.

This letter is official notification of this sighting and capture as required by the USFWS protocol for this species. Following this transmittal, a fax and a hard copy of this letter including maps will be sent as well. If you have any questions or comments, please contact me at (619) 233-1454.

Sincerely,

Barbra Calantas Wildlife Biologist

Enclosures: Figure 1 Regional Map

Figure 2 Vicinity Map

Figure 3 Quino Observation Location Map

cc: Eric Porter, USFWS

Alison Anderson, USFWS Kelly Meyer, Invenergy

Monique LaChappa, Chairwoman, Campo Kumeyaay Nation

Deanna Leon, President, Muht-Hei Inc.

Lisa Gover, Campo EPA

Denise Turner Walsh, Campo Tribal Attorney

Photo 1

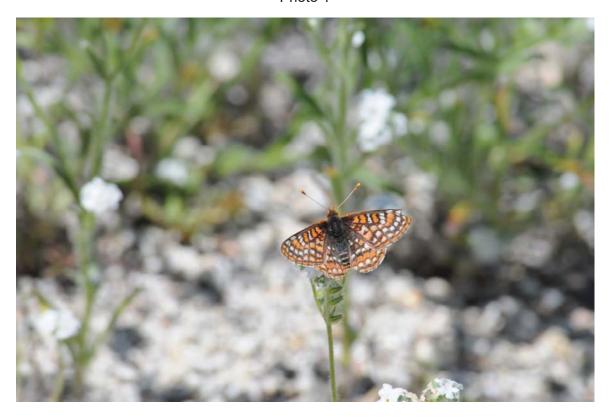


Photo 2



Photo 3



Photo 4

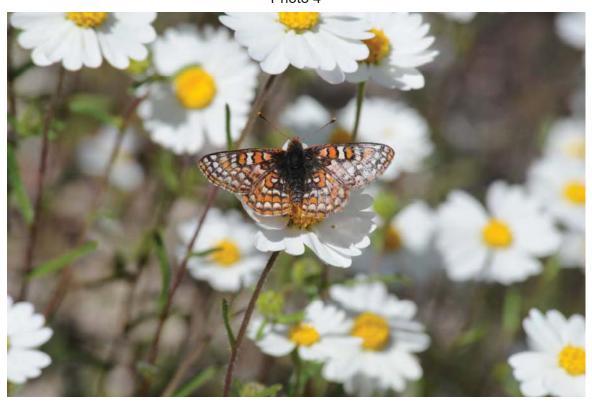
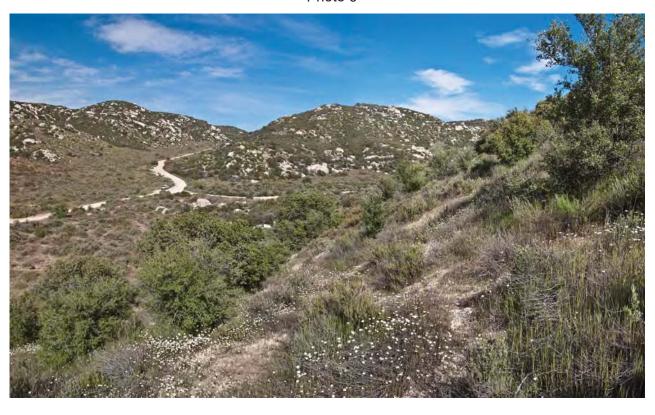


Photo 5



Photo 6



#### APPENDIX F.9 05/01/2010 24-HOUR NOTIFICATION LETTER TO USFWS



619.233.1454 tel 619.233.0952 fax

May 2, 2010

Ms. Sandra Marquez Recovery Permit Coordinator Carlsbad Fish and Wildlife Office 6010 Hidden Valley Road, Suite 101 Carlsbad, California 92011

RE: Notification of the Tenth Quino Checkerspot Butterfly Observation at the Campo Wind Energy Project, San Diego County, California

Dear Ms. Marquez:

AECOM is submitting this notification letter to inform you that two additional Quino checkerspot butterflies (*Euphydryas editha quino*; Quino) were observed on the proposed Campo Wind Energy project site in southeastern San Diego County, California. On May 1, 2010, Consulting Biologist Michael Couffer (permit number TE-782703-8), sub-contractor to AECOM observed two Quino within the Campo Reservation boundaries during protocol surveys for the species. AECOM biologist Andrew Fisher was in the company of Mr. Couffer, and also observed and photographed the Quino. Although the project site exists within U.S. Fish and Wildlife (USFWS) Quino Survey Area 2, Mr. Couffer did not collect the specimen for identification according to the USFWS protocol (2002), per the pre-activity notification letter submitted for the proposed project on April 2, 2010. The sighting is detailed below.

At 09:58 hours, Mr. Couffer observed one Quino nectaring on white layia (*Layia glandulosa*) at (NAD 83) 11 South 0557061, 3610108, at approximately 3,180 feet above lower mean sea level (Figure 3, Quino 1). This butterfly was drab, but otherwise appeared to be in good condition.

At 10:08 hours, a second Quino was discovered and independently identified by Mr. Fisher as it nectared on white layia at (NAD 83) 11 South 0557076, 3610089, at approximately 3,192 feet above lower mean sea level (Figure 3, Quino 2). Mr. Fisher is not currently permitted to identify Quino; however, within 15 seconds of Mr, Fisher's discovery and identification, Mr. Couffer confirmed Mr. Fisher's identification. Mr. Couffer wishes to add that Mr. Fisher located and correctly identified Quino at a location where both Henne's and Gabb's checkerspots were abundant at the time. This second Quino was a younger individual that had much more defined markings than the first butterfly observed (Photo 1). A representative photograph of the habitat where both Quinos were observed is provided (Photo 2).

These Quinos were found approximately half way up the slopes of a hilltop that rises from approximately 3,000 feet to 3,400 feet in elevation. Purple Chinese houses (*Collinsia concolor*) were observed from the toe of slope to the highest point of the hilltop within both open areas

and dense chaparral. Collinsia was found at very low densities as well as at very high densities. White layia was found at high densities as well. The general location was south of SR 94 (Campo Road), north of Tierra del Sol Road, east of Shockey Truck Trail, and west of BIA Road 15.

This letter is official notification of this sighting and capture as required by the USFWS protocol for this species. Following this transmittal, a fax and a hard copy of this letter including maps will be sent as well. If you have any questions or comments, please contact me at (619) 233-1454.

Sincerely,

Barbra Calantas Wildlife Biologist

Enclosures: Figure 1 Regional Map

Figure 2 Vicinity Map

Figure 3 Quino Observation Location Map

cc: Eric Porter, USFWS

Alison Anderson, USFWS Kelly Meyer, Invenergy

Monique LaChappa, Chairwoman, Campo Kumeyaay Nation

Deanna Leon, President, Muht-Hei Inc.

Lisa Gover, Campo EPA

Denise Turner Walsh, Campo Tribal Attorney

Photo 1

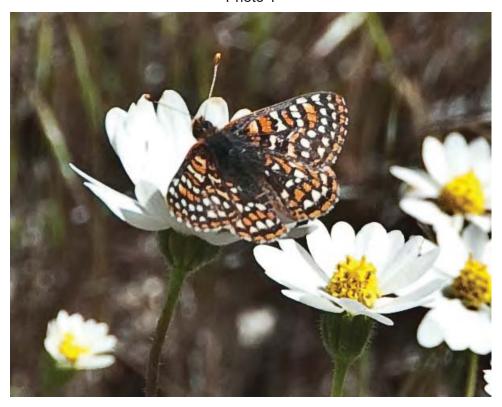
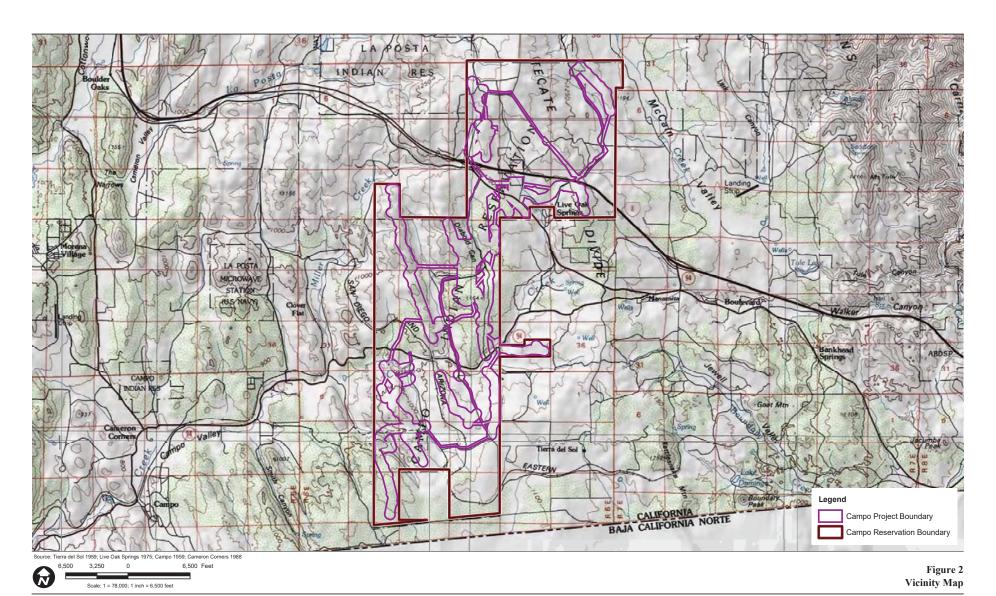
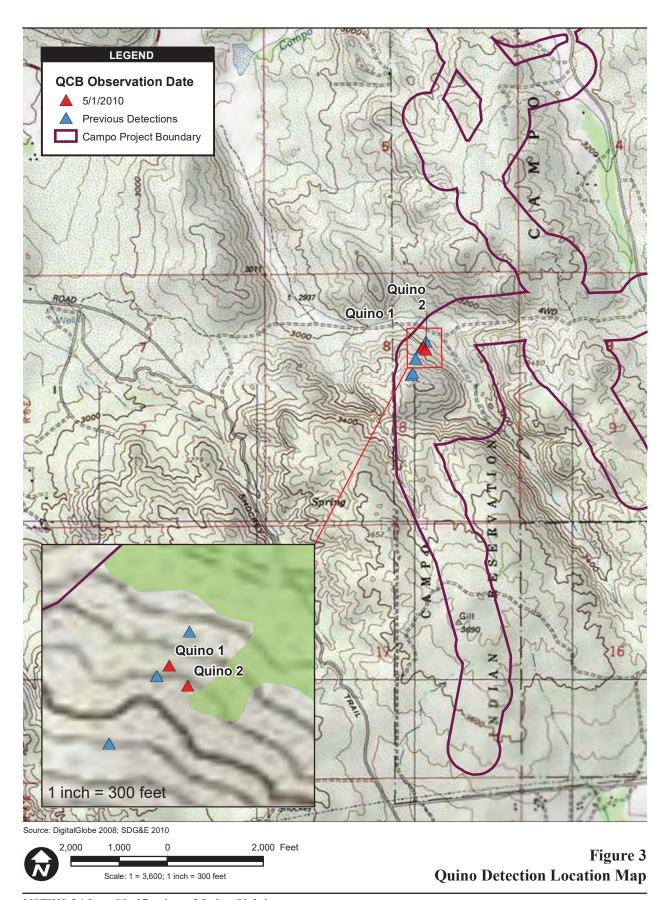


Photo 2







# APPENDIX F.10 05/06/2010 24-HOUR NOTIFICATION LETTER TO USFWS



AECOM 1420 Kettner Boulevard Suite 500 San Diego, CA 92101 www.aecom.com 619.233.1454 tel 619.233.0952 fax

May 7, 2010

Ms. Sandra Marquez Recovery Permit Coordinator Carlsbad Fish and Wildlife Office 6010 Hidden Valley Road, Suite 101 Carlsbad, California 92011

# RE: Notification of the Eleventh Quino Checkerspot Butterfly Observation at the Campo Wind Energy Project, San Diego County, California

Dear Ms. Marquez:

AECOM is submitting this notification letter to inform you that three additional Quino checkerspot butterflies (Euphydryas editha quino; Quino) were observed on the proposed Campo Wind Energy project site in southeastern San Diego County, California. On May 6, 1010, Antonette Gutierrez (permit number TE-797999-6), senior biologist at Merkel and Associates, Inc. and Consulting Biologist Michael Couffer (permit number TE-782703-8), subcontractor to AECOM observed and photographed three Quino within the Campo Reservation boundaries during protocol surveys for the species. Although the project site exists within U.S. Fish and Wildlife (USFWS) Quino Survey Area 2, neither Ms. Gutierrez nor Mr. Couffer collected specimens for identification according to the USFWS protocol (2002), per the preactivity notification letter submitted for the proposed project on April 2, 2010. The sightings are detailed below.

At 8:45 hours, Ms. Gutierrez observed and photographed a very small Quino nectaring on white layia (Layia glandulosa) at (NAD 83) 11 South 0557058, 3610103 (Figure 3; Quino 1a). The butterfly appeared to be fresh, and in good condition (Photo 1). Mr. Couffer was surveying a different portion of this hill, and did not observe this butterfly at the time.

At 10:28 hours, Mr. Couffer observed an average-sized Quino nectaring on white layia at (NAD 83) 11 South 0557082, 3610091, at approximately 3,180 feet above lower mean sea level (Figure 3, Quino 2). This butterfly was drab, but otherwise appeared to be in good condition. It chased two passing Henne's checkerspots. No photos were taken of this butterfly.

At 10:44 hours, Mr. Couffer observed a very small Quino nectaring on white layia at (NAD 83) 11 South 0557060, 3610100, at approximately 3,173 feet above lower mean sea level (Figure 3, Quino 1b). This butterfly appeared to be quite fresh, and in good condition. From the small size and overall good condition of the butterfly, Mr. Couffer surmised that this was the same Quino observed by Ms. Gutierrez two hours earlier. Please compare the shape and position of the two black spots in the third cell of the upper left wings of the butterflies shown in Photo 1 (Ms. Gutierrez), and Photo 2 (Mr. Couffer). It is highly likely that this is the same Quino, seen independently by two biologists, two hours apart.

At 12:04 hours, Mr. Couffer observed an average-sized Quino again nectaring on white layia at (NAD 83) 11 South 0557193, 3609859 at approximately 3,343 feet above lower mean sea level (Figure 3; Quino 3). This butterfly was somewhat drab, but otherwise appeared to be in good condition. No photos were taken of this butterfly.

Photographs of the habitat where both Quinos were observed are provided (Photos 3 and 4). These Quinos were found approximately on the slopes of a hilltop that rises from approximately 3,000 feet to 3,400 feet in elevation. Chinese houses (Collinsia sp.) were abundant from the toe of slope to the highest point of the hilltop within both open areas and dense chaparral. Collinsia was found at very low densities as well as at very high densities. White layia was found at high densities as well. The general location was south of SR 94 (Campo Road), north of Tierra del Sol Road, east of Shockey Truck Trail, and west of BIA Road 15.

This letter is official notification of this sighting and capture as required by the USFWS protocol for this species. Following this transmittal, a fax and a hard copy of this letter including maps will be sent as well. If you have any questions or comments, please contact me at (619) 233-1454.

Sincerely,

Barbra Calantas Wildlife Biologist

Enclosures: Figure 1 Regional Map

Figure 2 Vicinity Map

Figure 3 Quino Observation Location Map

cc: Eric Porter, USFWS

Alison Anderson, USFWS Kelly Meyer, Invenergy

Monique LaChappa, Chairwoman, Campo Kumeyaay Nation

Deanna Leon, President, Muht-Hei Inc.

Lisa Gover, Campo EPA

Denise Turner Walsh, Campo Tribal Attorney

Photo 1



Photo 2

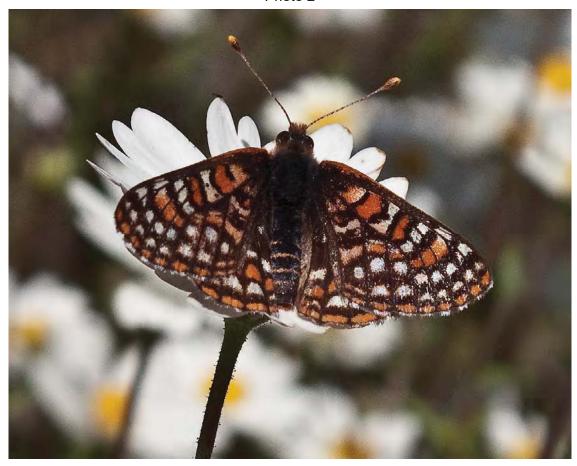
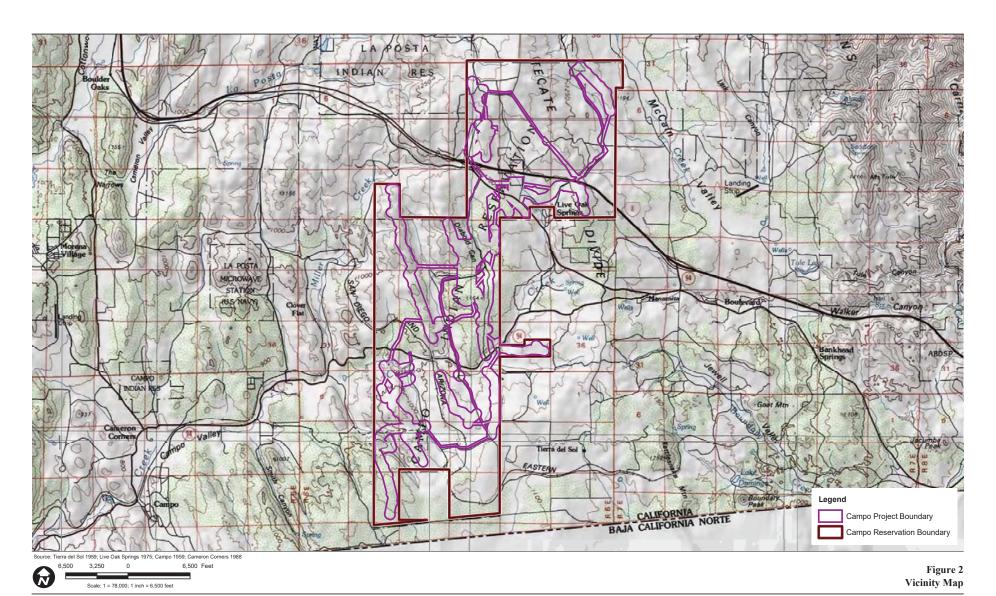


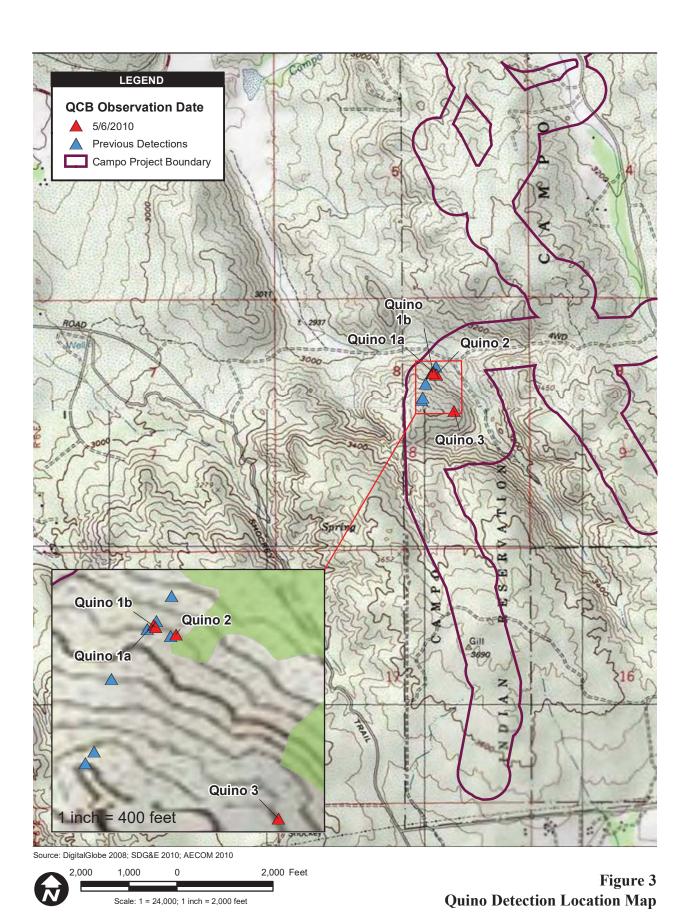
Photo 3



Photo 4







# APPENDIX F.11 05/07/2010 24-HOUR NOTIFICATION LETTER TO USFWS



AECOM 1420 Kettner Boulevard Suite 500 San Diego, CA 92101 www.aecom.com 619.233.1454 tel 619.233.0952 fax

May 7, 2010

Ms. Sandra Marquez Recovery Permit Coordinator Carlsbad Fish and Wildlife Office 6010 Hidden Valley Road, Suite 101 Carlsbad, California 92011

RE: Notification of the Twelfth Quino Checkerspot Butterfly Observation at the Campo Wind Energy Project, San Diego County, California

Dear Ms. Marquez:

AECOM is submitting this notification letter to inform you that an additional Quino checkerspot butterfly (*Euphydryas editha quino*; Quino) was observed on the proposed Campo Wind Energy project site in southeastern San Diego County, California. On May 7, 2010, Consulting Biologist Michael Couffer (permit number TE-782703-8), sub-contractor to AECOM observed one Quino within the Campo Reservation boundaries during protocol surveys for the species. Although the project site exists within U.S. Fish and Wildlife (USFWS) Quino Survey Area 2, Mr. Couffer did not collect the specimen for identification according to the USFWS protocol (2002), per the preactivity notification letter submitted for the proposed project on April 2, 2010. The sighting is detailed below.

At 11:25 hours, Mr. Couffer observed one Quino nectaring on white pincushion (*Chaenactis artemisiifolia*)) at (NAD 83) 11 South 0557563, 3610337, at approximately 3,228 feet above lower mean sea level (Figure 3). This butterfly was quite drab, with smooth wing edges. Mr. Couffer was attacked by a bee while stalking the Quino for a photo, and was not able to photograph the buttefly. A photograph of the sighting location is provided (Photo 1).

This Quino was north of a hill and across a drainage ffom the location where several other Quinos have been documented during surveys for this project. This south-facing slope is much dryer, and supports far fewer Chinese houses (*Collinsia* sp.) than the north-facing slope across the drainage where Quino has been more prevalent. The general location was south of SR 94 (Campo Road), north of Tierra del Sol Road, east of Shockey Truck Trail, and west of BIA Road 15.

This letter is official notification of this sighting and capture as required by the USFWS protocol

for this species. Following this transmittal, a fax and a hard copy of this letter including maps will be sent as well. If you have any questions or comments, please contact me at (619) 233-1454.

Sincerely,

Barbra Calantas Wildlife Biologist

Enclosures: Figure 1 Regional Map

Figure 2 Vicinity Map

Figure 3 Quino Observation Location Map (to be provided on 05/13/2010)

cc: Eric Porter, USFWS

Alison Anderson, USFWS Kelly Meyer, Invenergy

Monique LaChappa, Chairwoman, Campo Kumeyaay Nation

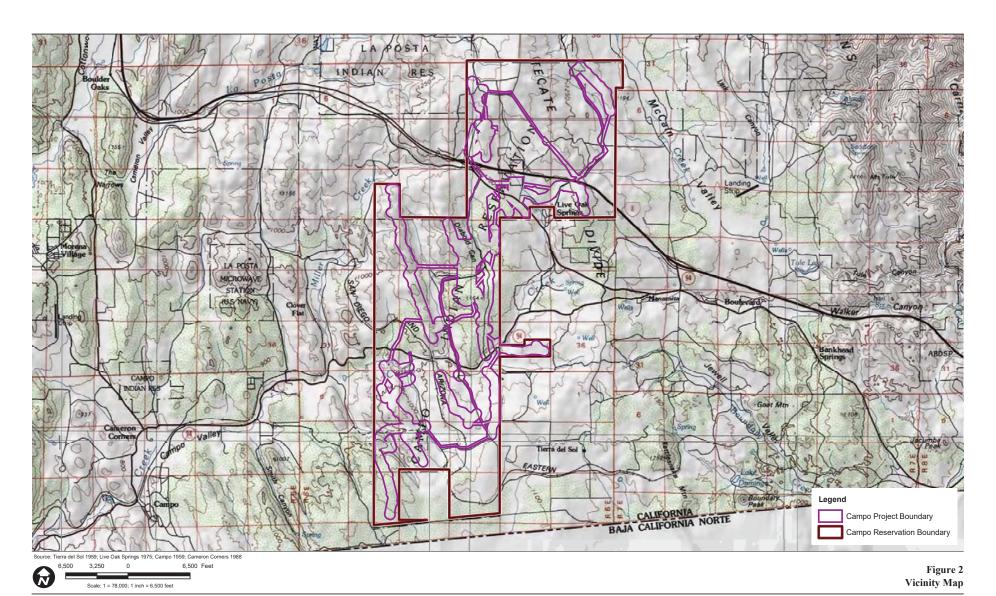
Deanna Leon, President, Muht-Hei Inc.

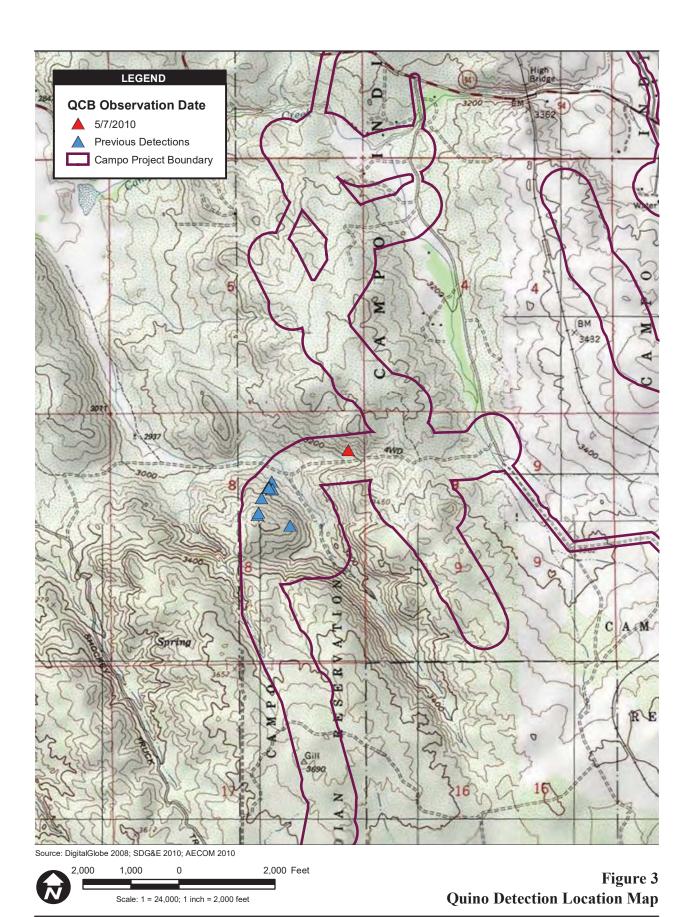
Lisa Gover, Campo EPA

Denise Turner Walsh, Campo Tribal Attorney











MAIN OFFICE 605 THIRD STREET ENCINITAS, CALIFORNIA 92024 T 760.942.5147 T 800.450.1818 F 760.632.0164

July 18, 2011 6759-4.7

U.S. Fish and Wildlife Service Attention: Recovery Permit Coordinator 6010 Hidden Valley Road Carlsbad, California 92011

Subject: 2011 Focused Quino Checkerspot Butterfly Survey for the Jewell Valley Wind Project, San Diego County, California

Dear Recovery Permit Coordinator:

This letter report documents the Spring 2011 results of a focused survey conducted by Dudek for the federally-listed endangered Quino checkerspot butterfly (*Euphydryas editha quino*; QCB) for the Jewell Valley Wind Project, a proposed wind energy development project in the southeastern portion of the County of San Diego, California.

## PROJECT LOCATION AND EXISTING CONDITIONS

The proposed Jewell Valley Wind Project site is approximately 6,660 acres in southeastern San Diego County, approximately 60 miles east of the City of San Diego near the town of Boulevard, CA (Figure 1). The project site includes two components consisting of the Northern Ranch located to the north of Interstate 8 (I-8) and the Southern Ranch located to the south of I-8. The site lies between two major drainage divides: the Tecate Divide to the west, and the In-Ko-Pah Mountains to the east. This area occurs within the Live Oak Springs U.S. Geographic Survey (USGS) topographic quadrangle (Figure 2).

The terrain in the area ranges from valley bottoms to house-sized boulder-covered ridgelines. The elevation ranges across the study area from approximately 3,280 feet above mean sea level (AMSL) to approximately 4,120 feet AMSL.

Soils on site include acid igneous rock land, Calpine coarse sandy loam, Kitchen Creek loamy coarse sand, La Posta loamy coarse sand, La Posta rocky loamy coarse sand, Las Flores loamy fine sand, Loamy alluvial land, Mottsville loamy coarse sand, Riverwash, and Rositas loamy coarse sand.

Subject: 2011 Focused Quino Checkerspot Butterfly Survey for the Jewell Valley Wind Project,

San Diego County, California

#### **VEGETATION COMMUNITIES**

Nine plant communities and land cover types were mapped within the focused QCB survey area, including: red shank chaparral, semi-desert chaparral, granitic northern mixed chaparral, valley and foothill grassland, field/pasture, open coast live oak woodland, dense coast live oak woodland, upper sonoran subshrub scrub, and freshwater marsh. The acreages of each community type within the project site are shown in Table 1. Descriptions of each vegetation community (with Holland numeric codes) are provided following Table 1. Holland (1986) and Oberbauer (1996) were used to describe vegetation communities on site.

Table 1
Vegetation Communities within the Focused Quino Checkerspot Butterfly Survey Area for the Jewell Valley Wind Project

Vegetation Community	Acreage On Site	
Red shank chaparral	427.1	
Semi-desert chaparral	264.1	
Granitic northern mixed chaparral	263.8	
Valley and Foothill Grassland	22.2	
Field/pasture	13.8	
Open coast live oak woodland	5.8	
Upper Sonoran subshrub scrub	3.2	
Freshwater marsh	2.6	
Dense coast live oak woodland	0.2	
Total	1002.8	

## Red Shank Chaparral (37300)

Red shank chaparral is made up of nearly pure stands of red shank (*Adenostoma sparsifolium*) (Holland 1986). This community is similar to chamise chaparral but is typically taller and somewhat more open (Holland 1986). In the study area, red shank chaparral intergrades with chamise chaparral and scrub oak chaparral. Like chamise chaparral, the understory in red shank chaparral is sparse and composed of flat-topped buckwheat, annual forbs, and brome grasses.

## Semi-Desert Chaparral (37400)

Semi-desert chaparral is relatively open, with widely spaced shrubs and openings supporting annuals. This community is similar to mixed chaparral but occurs in areas with hotter, drier summers and colder winters. In the study area, this community is characterized by abundant rock outcrops. Semi-desert chaparral intergrades with flat-topped buckwheat and the other chaparral



Subject: 2011 Focused Quino Checkerspot Butterfly Survey for the Jewell Valley Wind Project, San Diego County, California

communities. Perennial species common to this community include flat-topped buckwheat, silver cholla (*Cylindropuntia echinocarpus*), Mojave yucca, and Mormon-tea (*Ephedra californica*). Scattered occasionally throughout this community are other common chaparral shrubs, including sugarbush, mountain mahogany, and scrub oak. Annual species observed in the openings of this community include goldfields, red-stemmed filaree, golden yarrow (*Eriophyllum confertiflorum*) thread-leafed eriastrum (*Eriastrum filifolium*), chia, desert beauty, Lemmon's linanthus, San Diego gilia, popcorn flower, and red brome.

## **Granitic Northern Mixed Chaparral (37131)**

Granitic northern mixed chaparral is similar to northern mixed chaparral (37130), but with granitic soils. This community consists of broad-leaved sclerophyll shrubs, 2–4 m tall, forming dense, often nearly impenetrable vegetation dominated by Nuttall's scrub oak (*Quercus dumosa*), chamise (*Adenostoma fasciculatum*), and any one of several taxa in *Arctostaphylos* and *Ceanothus*. Plants in this community are typically deep-rooted, with usually little or no understory vegetation, and often considerable accumulation of leaf litter. Granitic northern mixed chaparral is well adapted to repeated fires, to which many species respond by stump sprouting. A dense cover of annual herbs may appear during the first growing season after a fire, followed in subsequent years by perennial herbs, short-lived shrubs and re-establishment of dominance by the original shrub species in this community.

## Valley and Foothill Grassland (42000)

Valley and foothill grassland is a native community dominated by large tussocks of perennial native needlegrass (Nasella spp.). The habitat is open and typically supports a variety of native and introduced grasses and forbs, often actually exceeding the bunchgrasses in cover. In San Diego County, native perennial herbs such as Sanicula, Sidalcea, Sisirynchium, Eschscholzia or Lasthenia are present. The percentage cover of native species at any one time may be quite low, but is considered native grassland if 20% aerial cover of native species is present. Other species commonly associated with valley and foothills grassland include wild oat (Avena fatua), common goldenstar (Bloomeria crocea), ripgut grass (Bromus diandrus), foxtail chess (Bromus madriatensis ssp. rubens), California poppy (Eschscholzia spp.), and goldfields (Lasthenia spp.).

## Open and Dense Coast Live Oak Woodland (71161 and 71162, respectively)

Both open coast live oak woodland and dense coast live oak woodland are generally similar to the coast live oak woodland (71160). Open coast live oak woodland has a canopy with less than 50% cover, while dense coast live oak woodland has a canopy with between 50% and 75% cover. Coast



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live oak woodland is an evergreen woodland dominated by coast live oak (*Quercus agrifolia*). The shrub layer is poorly developed, but may include toyon (*Heteromeles arbutifolia*), currant or gooseberry (*Ribes* spp.), laurel sumac (*Malosma laurina*), or dominated by Mexican elderberry (*Sambucus Mexicana*). The herb component is continuous and dominated by ripgut grass and several other introduced taxa. Open coast live oak woodland typically occurs along drainages at desert margin on north-facing slopes or mixed with Engelmann oak (*Quercus engelmannii*). Dense coast live oak woodland mostly occurs at the narrowing of valley flood plains, or valleys with deep alluvium and high perennial groundwater, mostly in riparian habitats.

## Field/Pasture (18310)

Field/pasture includes areas of low-intensity agriculture typically involving dry farming or livestock grazing. In the study area, a small area of field/pasture occurs along McCain Valley Road near Interstate 8, where livestock grazing occurs in a floodplain area. In general, this area is characterized by non-native grasses, including *Bromus* and *Hordeum* species, and non-native herbaceous species, including tumble mustard (*Sisymbrium altissimum*) and red-stemmed filaree (*Erodium cicutarium*).

## **Upper Sonoran Subshrub Scrub (39000)**

Upper sonoran subshrub scrub is a low, fairly penetrable scrub of soft-wooded, summer-dormant, drought- tolerant shrubs. Dominance varies among sites, but usually includes interior goldenbush (*Ericameria linearifolia*), interior California buckwheat (*Eriogonum fasciculatum polifolium*), bladderpod (*Isomeris arborea arborea*), or desert tea (*Ephedra californica*), with many annuals derived from nearby grasslands filling the spaces between the shrubs. Upper sonoran subshrub scrub typically occurs in fairly well drained soils derived from sandstone, shale, or even sterile white diatomaceous deposits. In San Diego County this community occurs at high elevations.

## Freshwater Marsh (52400)

Freshwater marsh is a wetland habitat type that develops where the water table is at or just above the ground surface, such as around the margins of lakes, ponds, slow-moving streams, ditches, and seepages. It typically is dominated by tall, emergent monocots, such as cattail (*Typha* sp.) and bulrush (*Scirpus* sp.). With elevations on the Jewell Valley study area ranging from 2932–3534 feet AMSL, the freshwater marsh on site could most accurately be described as transmontane freshwater marsh (52420), which occurs from 3500–7500 feet AMSL. Transmontane freshwater marsh differs from coastal and valley freshwater marsh (52410) in having a shorter growing season, confined more strictly to the summer and subject to much lower temperatures in winter, often well below freezing.



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Freshwater marsh is considered a wetland community and the marsh on site is under the jurisdiction of the CDFG, pursuant to Section 1601-1603 of the California Fish and Game Code, the ACOE, pursuant to Section 404 of the Clean Water Act, and the RWQCB, pursuant to Section 401 of the Clean Water Act. In addition, this wetland habitat is under the jurisdiction of the County of San Diego.

#### QUINO CHECKERSPOT BUTTERFLY SURVEY

#### Methods

The project developer is in the process of developing a site plan that will be based on meteorological data collected from MET facilities to be constructed onsite. Since a site plan was not available at the time Focused QCB surveys were completed, a survey program was developed by Dudek that included surveying specific areas located throughout the project site (Figures 3 and 4). The survey areas were developed by Dudek based on discussions with the project developer that identified potential areas onsite that would likely be most suitable for development and habitat onsite that would likely support QCB.

Focused QCB surveys were conducted over five visits within a 5-week period between March 9 and April 15, 2011. Surveys were conducted by QCB permitted biologists Anita M. Hayworth, Ph.D. (TE781084), Brock A. Ortega (TE813545-5), Jeff D. Priest (TE840619-2), Kam J. Muri (TE051250-0), Tricia Wotipka (TE840619-2), Paul M. Lemons (TE051248-2), Vipul R. Joshi (TE019949-0), Viviane Marquez (TE800930-9) and David Waller (TE025394-2) in accordance with current USFWS protocol (USFWS 2002a, 2002b).

The site was divided into 11 survey polygons, each representing a single day survey effort (i.e., in accordance with USFWS protocol) (Table 2). These survey areas were numbered and assigned to Dudek's permitted biologists. The biologists were provided with 200-scale (1 inch = 200 feet) aerial photographs of each survey polygon. These photographs were used for mapping host plant populations. Binoculars were used to aid in detecting and identifying butterfly and other wildlife species. GPS units also were available for recording locations of host plant populations.

Table 2
2011 Quino Checkerspot Butterfly (QCB) Survey Polygons

Survey Area	Acreage of Survey Area
1	96
2	95
3	93



Table 2
2011 Quino Checkerspot Butterfly (QCB) Survey Polygons

Survey Area	Acreage of Survey Area
4	99
5	84
6	85
7	88
8	93
9	89
10	88
11	93

The survey methods consisted of slowly walking roughly parallel transects throughout all potential habitat within the survey area (i.e., all areas that are not excluded per the survey protocol, generally including sage scrub, open chaparral, grasslands, open or sparsely vegetated areas, hilltops, ridgelines, rocky outcrops, trails and dirt roads). Survey routes were arranged to thoroughly cover the survey area at a rate of no more than 10–15 acres per hour.

Surveys were conducted only during acceptable weather conditions (i.e., surveys were not conducted during fog, drizzle, or rain; sustained winds greater than 15 miles per hour measured 4–6 feet above ground level; temperature in the shade at ground level less than 60° Fahrenheit (F) on a clear, sunny day; or temperature in the shade at ground level less than 70°F on an overcast or cloudy day). Survey times, personnel, and conditions during the QCB survey are shown in Table 3. Photocopies of the surveyor's field notes are included as Appendix A.

Table 3
Schedule of Focused Quino Checkerspot Butterfly Surveys and Environmental Conditions

			Range of Conditions			
			Temperature Range	Percent Cloud Cover	Wind (miles per hour	
Survey Area	Date	Time	(°F)	(% cc)	(mph))	Personnel*
			Week	: 1		
1	3/11/11	0805-1400	64–81	0–0	3-5 to 6-10	AMH
2	3/9/11	0946-1530	60–60	0–0	0–10, gusts to 30	BAO
3	3/11/11	1000-1600	63–70	0–0	3-5 to 5-10, gusts to 15	BAO
4	3/11/11	0830-1505	61–80	0–20	3-6 to 4-8, gusts to 15	JDP
5	3/15/11	0850-1500	63–70	0–10	0-4 to 6-10, gusts 10-15	PML
6	3/15/11	1000–1600	68–72	5–15	2-3 to 2-5, gusts 8-15	VRJ
7	3/10/11	0910-1500	64–78	0–0	0-3 to 3-6, gusts 12-20	PML

Table 3
Schedule of Focused Quino Checkerspot Butterfly Surveys and Environmental Conditions

			Range of Conditions			
			Temperature Range	Percent Cloud Cover	Wind (miles per hour	
Survey Area	Date	Time	(°F)	(% cc)	` (mph))	Personnel*
8 (north half)	3/11/11	0840-1400	60–69	0–5	0-5 to 4-10, gusts 10-15	PML
8 (south half)	3/11/11	0915–1530	68–86	0–0	4–7	TLW
9	3/10/11	0930-1530	64–67	0–0	0–1 to 0–5	VRJ
10	3/14/11	0915–1515	66–80	10–35	3-6 to 6-9	TLW
11	3/11/11	0945–1545	62-64	0–40	7–8 to 5–10	KJM
			Week	(2		
1	3/18/11	0930-1530	62-65	20–0	5–10, gusts to 15	BAO
2	3/18/11	0945–1515	64–64	20–0	1-3 to 5-10, gusts 10-15	AMH
3	3/15/11	1000–1610	65–70	0–20	5–10, gusts to 15	BAO
4	3/18/11	0930-1600	60–73	60–5	0-3 to 8-12, gusts to 15	JDP
5	3/29/11	1100–1630	66–70	10–10	5–10 to 3–5	BAO
6	3/17/11	0845-1525	64–69	10–40	0-5 to 2-9, gusts 10-14	PML
7	3/17/11	0905-1515	61–72	0–0 hazy	2-3 to 5-8	TLW
8	3/23/11	0945-1600	64–62	0–0	0-2 to 4-6	TLW
9	3/28/11	1100-1700	64–66	0–0	3–8, gusts to 15	VRJ
10	3/18/11	0905-1505	70–68	0-0 hazy	4-6 to 6-9	TLW
11	3/18/11	1000-1600	60–60	50–0	4-8 to 6-10, gusts to 12	KJM
			Week	3		
1	3/29/11	0930–1615	64–72	0–80	3–5 to 5–8	AMH
2	3/23/11	1000-1630	60–64	0–15	2-4 to 8-12, gusts 15-25	JDP
2	4/1/11	1420-1720*	81–88	0–0	0–7	VM & DW
3	3/30/11	1015–1630	73–74	2–60	1–5 to 2–6, gusts to 8	JDP
4	4/5/11	1015–1700	67–72	40–80	3-7 to 2-8, gusts 10-14	PML
5	3/31/11	0920-1535	68–77	5–5	0-4 to 4-8, gusts 9-12	PML
6	3/30/11	0900-1500	64–74	10–20	0-4 to 4-8, gusts 9-15	PML
7	3/29/11	0900–1505	64–76	0–20	5–8 to 2–4, morning gusts to 12	TLW
8	4/1/11	0900-1515	74–86	0–0	2–3	TLW
9	3/30/11	1030-1350*	69–77	5–20	0–8	VM & DW
10	3/30/11	1350-1525*	75–76	25–35	0–8	VM & DW
10	4/1/11	1035–1305*	78–89	0–0	0–7	VM & DW
11	3/28/11	1015–1630	60-62	0–0	4-6 to 3-7	KJM
			Week	: 4		
1	4/1/11	0830–1550	64-64	0–0	3–5	AMH
2	4/13/11	1030-1305*	60–67	0–5	0–7, gusts 7–9	VM & DW
3	4/2/11	0915–1530	68–74	50-60	0–5 to 4–9, gusts to 15	JDP

Subject: 2011 Focused Quino Checkerspot Butterfly Survey for the Jewell Valley Wind Project,

San Diego County, California

Table 3
Schedule of Focused Quino Checkerspot Butterfly Surveys and Environmental Conditions

			Range of Conditions			
			Temperature Range	Percent Cloud Cover	Wind (miles per hour	
Survey Area	Date	Time	(°F)	(% cc)	(mph))	Personnel*
4	4/1/11	0930–1600	74–88	0–0	0-2 to 0-4	JDP
5	4/4/11	0920–1545	64–72	0–0	3–8 to 4–8, gusts 9–15	PML
6	4/11/11	1000–1600	62–65	50-0	2-6 to 1-4, gusts 5-8	PML
7	4/4/11	0930–1545	70–74	0–0	5–8, gusts to 16	TLW
8	4/5/11	1030–1630	70–70	40-60	4-7 to 4-12, gusts to 20	KJM
9	4/1/11	1000-1500	63–66	0–0	3–5, gusts to 10	BAO
10 north	4/10/11	1405–1545*	62-64	0–0	0–7, gusts 7–9.5	VM & DW
11	4/4/11	1030–1630	62–67	0–0	2-4 to 0-2, gusts 6-10	KJM
Week 5						
1	4/12/11	1005–1605	64–68	0–0	4–8 to 5–10	AMH
1	4/15/11	1030–1400	67–69	0–0	5–9	AMH
2	4/15/11	1030–1630	66–69	0–0	5-7 to 4-7, gusts 10-12	KJM
3	4/14/11	1030–1640	61–64	0–0	3–7 to 2–5	KJM
4	4/11/11	0950–1415	62–65	50-0	3–5	AMH
5	4/12/11	0940-1600	60–65	0–0	2-4 to 2-6, gusts 7-10	PML
6	4/13/11	1040–1630	60–62	0–10	3-8 to 4-8, gusts 10-17	PML
7	4/12/11	1020–1625	62-64	0–0	2-6 to 4-7	KJM
8	4/13/11	1405–1630*	56-62	0–20	0–5, gusts 6–11	VM & DW
9	4/11/11	1015–1450*	60–67	15–70	0–7	VM & DW
10	4/14/11	1100–1700	63–65	0–0	3-5 to 2-10	BAO
11	4/10/11	1000–1405*	58-65	0–0	0-6 gusts 9-13	VM & DW

<sup>\*</sup> Survey areas were split up and surveyed simultaneously by Viviane Marquez and David Waller. Survey times shown should be doubled to determine time spent in each survey area.

AMH = Anita M. Hayworth, PhD (TE-781084-6)

BAO = Brock A. Ortega (TE-813545-5)

JDP = Jeffrey D. Priest (TE-840619-2)

KJM = Kam J. Muri (TE-051250-0)

PML = Paul M. Lemons (TE-051248-4)

TLW = Tricia L. Wotipka (TE-840619-2)

VRJ = Vipul R. Joshi (TE-019949-0)

VM = Viviane Marquez (TE-800930-9)

DW = David Waller (TE-025394-2)

## **RESULTS**

No QCB were observed during the 2011 focused survey. Thirty-three (33) butterfly species were observed during the surveys. The weeks in which these butterflies were observed are shown in Table 4.



Table 4
Butterflies Observed on Site

		Week					
Scientific Name	Common Name	1	2	3	4	5	
Hesperiidae – Skippers							
Erynnis funeralis	Funeral duskywing	Х	Х	Χ	Χ	Х	
Erynnis propertius	Propertius duskywing	_	_	_	Χ	_	
Erynnis sp.	Duskywing	Χ	Χ	Χ	Χ	Χ	
Thorybes pylades	Northern Cloudywing	Χ	_	_	_	_	
Nymphalida	Nymphalidae – Brush-footed Butterflies						
Agraulis sp.	Fritillary	_	_	Χ	_	_	
Coenonympha californica californica	California ringlet	Χ	Χ		Χ	_	
Junonia coenia	Buckeye	_	_	_	Χ	Χ	
Vanessa annabella	West coast lady	Χ	Χ		_	Χ	
Vanessa cardui	Painted lady	Χ	Χ	Χ	Χ	Χ	
Vanessa sp.	Lady	Χ	Χ	Χ	Χ	Χ	
Lycaenida	e – Blues and Hairstreaks						
Brephidium exile	Western pygmy blue	_	_	Χ		_	
Callophrys perplexa	Perplexing (green) hairstreak	Χ	Χ	Χ	Χ	Χ	
Glaucopsyche lygdamus australis	Southern blue	Χ	Χ	Χ	Χ	Χ	
Icaria acmon acmon	Acmon blue	Χ	Χ	Χ	Χ	Χ	
Incisalia augustinus	Brown elfin	Х	Χ	Χ	_	_	
Leptotes marina	Marine blue	Χ	_			_	
Philotes sonorensis	Sonoran blue	_	_	Χ	_	_	
Papili	onidae – Swallowtails						
Papilio eurymedon	Pale swallowtail	Χ	Χ	Χ	Χ	Χ	
Papilio rutulus	Western swallowtail	-	Χ	_	Χ	_	
Papilo zelicaon lucas	Anise swallowtail	_	_	_	_	Χ	
Peiridae – Whites and Sulfurs							
Anthocharis centhura	Felder's orangetip	Χ	Χ	Χ	Χ	Χ	
Anthocharis sara	Sara orangetip	Χ	Χ	Χ	Χ	Χ	
Colias eurydice	California dogface	Χ	Χ	_	_	_	
Colias harfordi	Harford's Sulfur	Χ	_	Χ	Χ	Χ	
Colias sp.	Sulfur	Χ	Χ	Χ	_	Χ	
Euchloe hyantis	Pearly marble	Х	_	Χ	_	_	
Euchloe lotta	Desert marble		_	Χ	Χ	Χ	
Pieris rapae	European cabbage white	_	Χ	Χ	_		
Pontia beckerii	Becker's white	Х	_	Χ	_		
Pontia protodice	Common white	Χ	Χ	Χ	Χ	Χ	
Pontia sisymbrii	California white	Χ	Χ	Χ	_	—	

Table 4
Butterflies Observed on Site

		Week				
Scientific Name	Common Name	1	2	3	4	5
Riodinidae – Metalmarks						
Apodemia virgulti	Behr's metalmark	Χ	Χ	Χ	Χ	Х
Calephelis wrightii	Wright's metalmark	Χ	_	_	_	

One species of QCB larval host plant, common owl's-clover (*Castilleja exserta* ssp. *exserta*), was observed within the study area during focused surveys. Occurrences of the larval host plant are shown on Figure 4. Table 5 includes the known and observed adult QCB nectar plants (according to Mattoni et al. 1997, USFWS 2002a, USFWS 2002b, USFWS 2003). Larval host plants are also included in Table 5 and are in bold print.

Table 5

QCB Larval Food and Adult Nectar Plants<sup>1</sup>

Scientific Name	Common Name	Observed During Focused Survey					
Apiaceae – Carrot Family							
Lomatium dasycarpum ssp. dasycarpum	woolly-fruit lomatium	_					
Lomatium utriculatum	common lomatium	_					
Asteraceae – Sunflower Family							
Achillea millefolium	yarrow, milfoil	_					
Lasthenia californica	common goldfields	X					
Lasthenia coronaria	southern goldfields	_					
Layia platyglossa	common tidy tips	X					
	Boraginaceae – Borage Family						
Amsinckia menziesii	rancher's fireweed	_					
Amsinckia menziesii var. intermedia	rancher's fiddleneck	X					
Amsinckia menziesii var. menziesii	rigid fiddleneck	_					
Cryptantha spp. or Plagyobothrys spp.	popcorn flower	X					
	Fabaceae – Pea Family						
Lotus spp.	deerweed, spanishclover, lotus	X					
Hydrophyllaceae – Waterleaf Family							
Eriodictyon crassifolium var. crassifolium	thickleaf yerba santa	_					
Eriodictyon trichocalyx var. trichocalyx	hairy yerba santa	_					
Phacelia distans	wild-heliotrope	X					
Lamiaceae – Mint Family							
Salvia columbariae	chia	X					
Plantaginaceae – Plantain Family							
Plantago erecta <sup>2</sup>	dot-seed plantain	_					

Table 5
QCB Larval Food and Adult Nectar Plants<sup>1</sup>

Scientific Name	Common Name	Observed During Focused Survey					
Plantago patagonica	woolly plantain	_					
Polemoniaceae – Phlox Family							
Gilia angelensis	grassland gilia	_					
Gilia capitata ssp. abrotanifolia	ball gilia	_					
Linanthus spp.	ground pink	_					
Polygonaceae – Buckwheat Family							
Eriogonum fasciculatum var. foliolosum	California buckwheat	X					
	Scrophulariaceae – Figwort Family						
Antirrhinum coulterianum	Coulter's snapdragon	_					
Castilleja exserta	common owl's-clover	X					
Collinsia sp.	Chinese houses	_					
Cordylanthus rigidus ssp. setiger	dark-tipped bird's-beak	_					
Keckiella antirrhinoides var. antirrhinoides	yellow bush-penstemon	_					
Keckiella cordifolia	climbing bush penstemon	_					
	<i>Liliaceae</i> – Lily Family						
Allium haematochiton	red-skin onion	_					
Allium peninsulare	red-flower onion	_					
Allium praecox	early onion	_					
Dichelostemma capitatum	blue dicks	X					
Muilla clevelandii	San Diego goldenstar	_					
Muilla maritima	common muilla	_					

<sup>&</sup>lt;sup>1</sup> List derived from Mattoni et al. 1997; USFWS 2002a, USFWS 2002b; USFWS 2003 (for *Euphydras editha*)

Dudek certifies that the information in this survey report and attached exhibits fully and accurately represents the work conducted by the QCB permitted biologists who conducted this focused survey.

Please feel free to contact us at 760.942.5147, plemons@dudek.com, or bortega@dudek.com if you have any questions regarding the contents of this report.

Sincerely,

Paul M. Lemons
Permit #TE051248-4

Kam J. Muri Permit # TE051250-0 Brøck A. Ortega
Permit #TE813545-5

Jeffrey D. Priest Permit #TE840619-2 Anita M. Hayworth Permit #TE781084

Tricia L. Wotipka
Permit # TE840619-2

<sup>&</sup>lt;sup>2</sup> Plants listed in **bold** print are known QCB larval host plant species.

Subject: 2011 Focused Quino Checkerspot Butterfly Survey for the Jewell Valley Wind Project,

San Diego County, California

Vipul R. Joshi

Permit # TE019949-0

David Waller

Permit #TE025394-2

Viviane Marquez

Permit #TE800930-9

Att: Figure 1, Regional Map

Figure 2, Vicinity Map

Figure 3, Biological Resources Map with Quino Survey Areas – North Figure 4, Biological Resources Map with Quino Survey Areas – South

Appendix A - List of Wildlife Species Observed during the 2011 Jewell Valley QCB Survey

Appendix B - 2011 Jewell Valley QCB Survey Field Notes

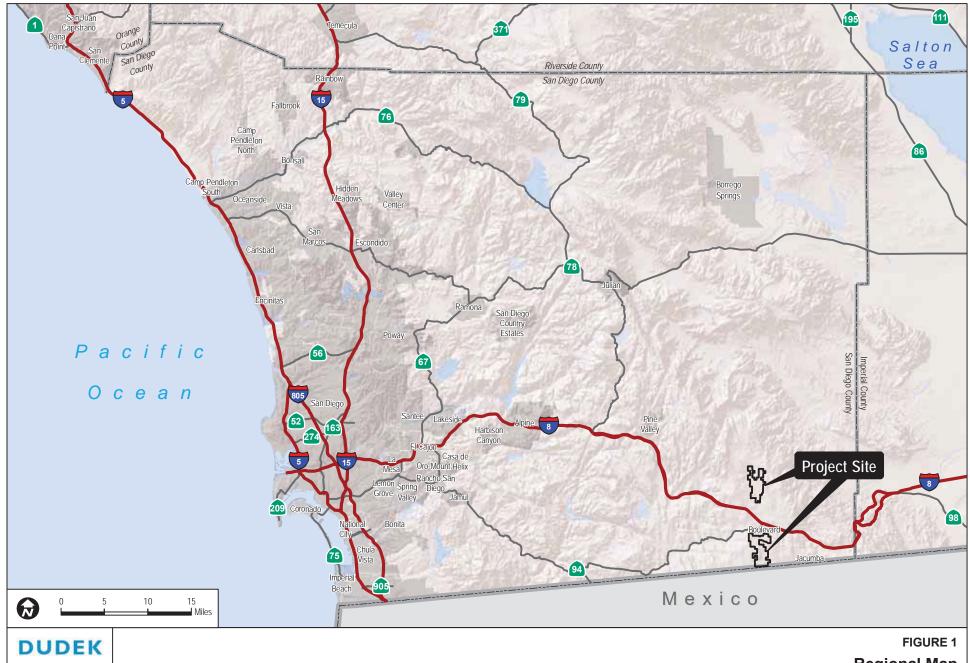
cc: Joan Heredia, Enel Green Power North America

David Hochart, Dudek

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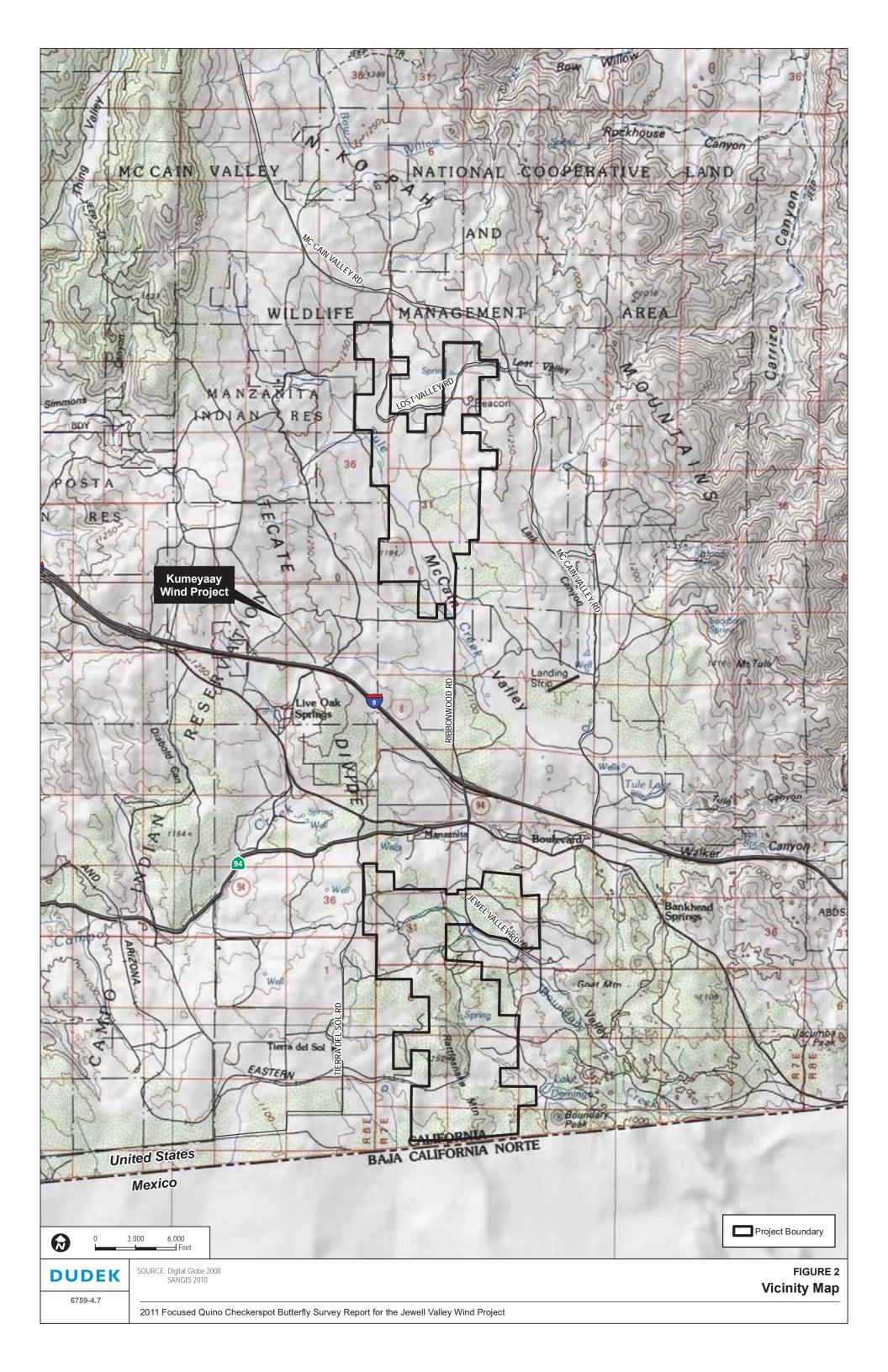


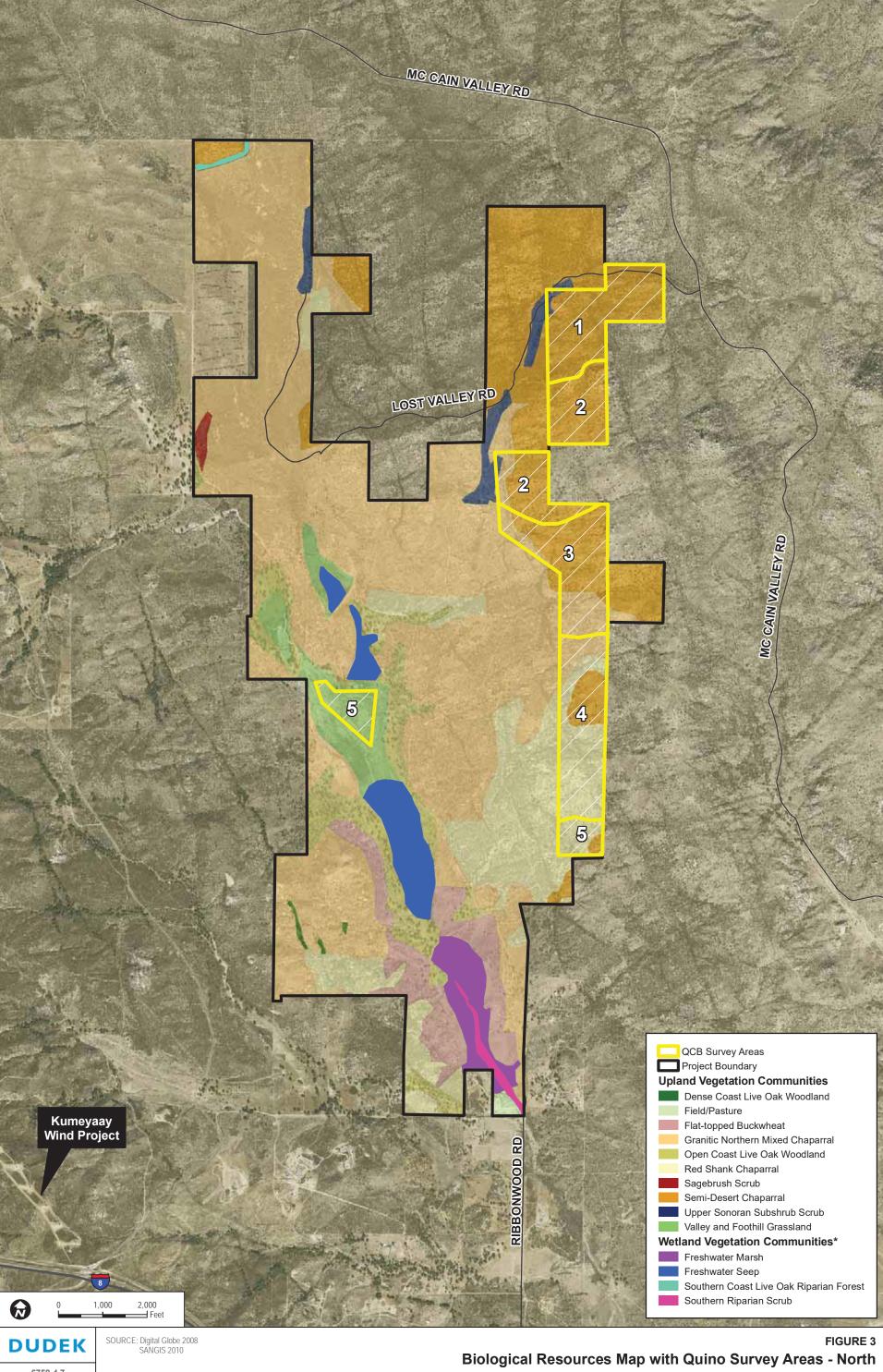


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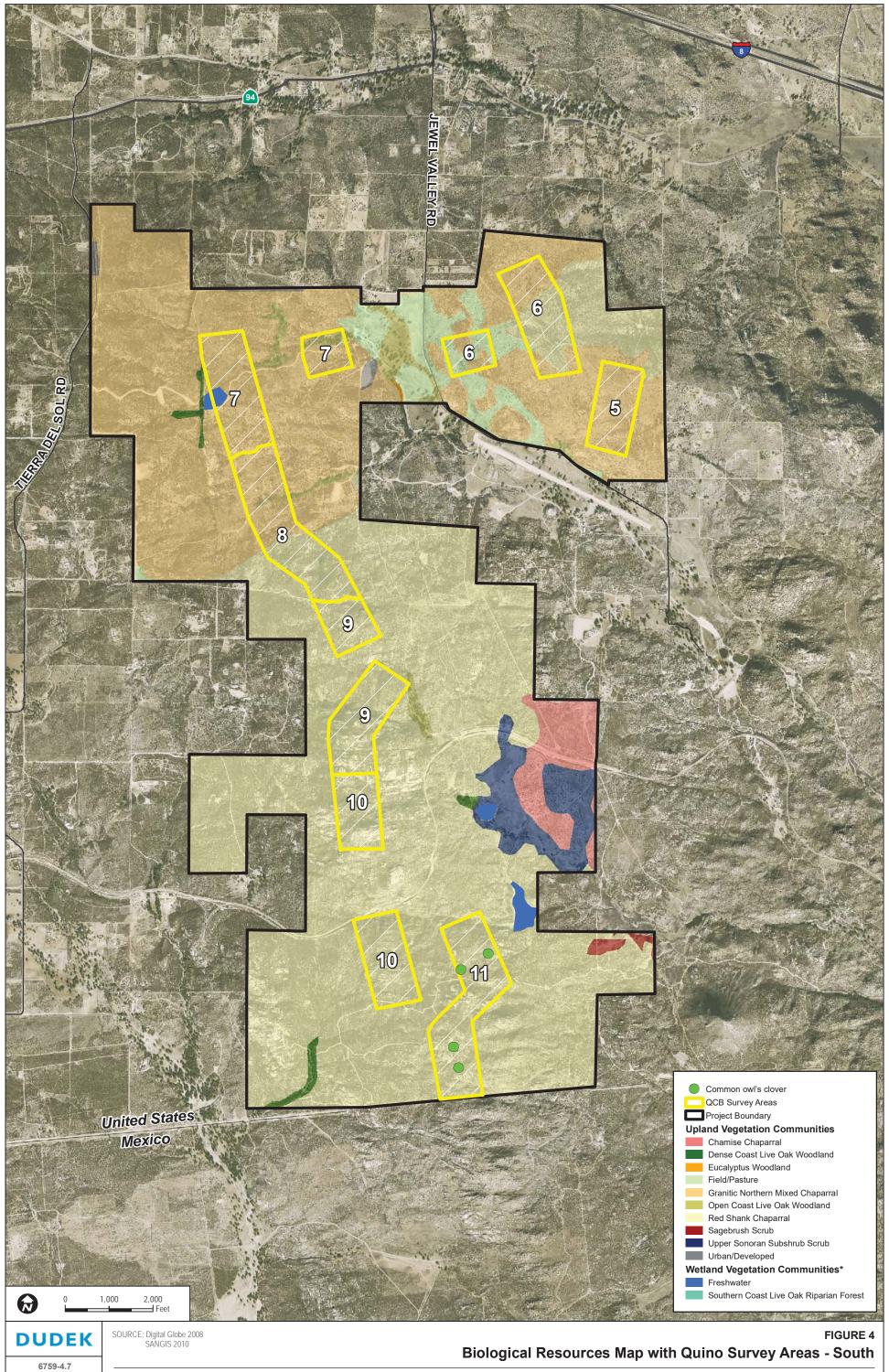
**Regional Map** 

2011 Focused Quino Checkerspot Butterfly Survey Report for the Jewell Valley Wind Project

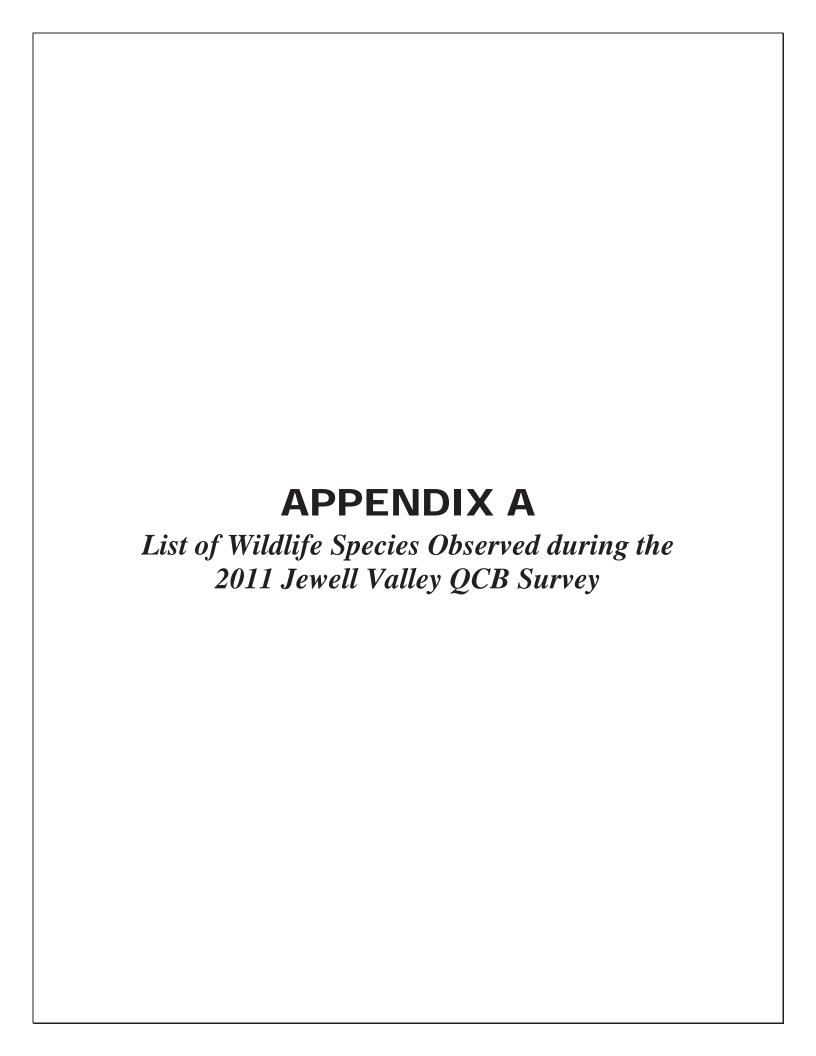




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2011 Focused Quino Checkerspot Butterfly Survey Report for the Jewell Valley Wind Project



# APPENDIX A List of Wildlife Species Observed during the 2011 Jewell Valley QCB Survey

#### **WILDLIFE SPECIES – VERTEBRATES**

#### **AMPHIBIANS**

#### **BUFONIDAE** – TRUE TOADS

Bufo boreas - western toad

#### **HYLIDAE** – TREEFROGS

Hyla cadaverina – California treefrog Hyla regilla – Pacific treefrog

#### **REPTILES**

#### IGUANIDAE - IGUANID LIZARDS

Gambelia wislizenii – long-nosed leopard lizard Phrynosoma coronatum – coast horned lizard Sceloporus graciosus – sagebrush lizard Sceloporus occidentalis – western fence lizard Sceloporus orcutti – granite spiny lizard Uta stansburiana – side-blotched lizard

#### TEHDAE - WHIPTAIL LIZARDS

Cnemidophorus hyperythrus – orange-throated whiptail

#### COLUBRIDAE - COLUBRID SNAKES

Coluber constrictor – racer

Masticophis lateralis – California whipsnake

Pituophis melanoleucus – gopher snake

#### VIPERIDAE - VIPERS

Crotalus atrox – western diamondback rattlesnake
Crotalus ruber – red-diamond rattlesnake
Crotalus oreganus helleri – Southern pacific rattlesnake

#### **BIRDS**

### **ARDEIDAE** – HERONS

*Ardea alba* – great egret

#### ANATIDAE - WATERFOWL

Anas platyrhynchos – mallard

#### CATHARTIDAE - NEW WORLD VULTURES

Cathartes aura – turkey vulture

#### ACCIPITRIDAE - HAWKS

Accipiter cooperii – Cooper's hawk Buteo jamaicensis – red-tailed hawk Parabuteo unicinctus – Harris's hawk

#### FALCONIDAE - FALCONS

Falco sparverius – American kestrel

#### PHASIANIDAE - PHEASANTS AND QUAILS

Callipepla californica - California quail

#### CHARADRIIDAE - PLOVERS

Charadrius vociferus – killdeer

#### **COLUMBIDAE** – PIGEONS AND DOVES

Zenaida macroura – mourning dove

#### CUCULIDAE - CUCKOOS AND ROADRUNNERS

Geococcyx californianus – greater roadrunner

#### STRIGIDAE - TRUE OWLS

Bubo virginianus – great horned owl

#### APODIDAE - SWIFTS

*Aeronautes saxatalis* – white-throated swift

#### TROCHILIDAE - HUMMINGBIRDS

Calypte anna - Anna's hummingbird

#### PICIDAE - WOODPECKERS

Colaptes auratus – northern flicker

Melanerpes formicivorus – acorn woodpecker

Picoides nuttallii – Nuttall's woodpecker

Picoides scalaris – ladder-backed woodpecker

#### TYRANNIDAE – TYRANT FLYCATCHERS

Sayornis nigricans – black phoebe Sayornis saya – Say's phoebe Tyrannus vociferans – Cassin's kingbird Tyrannus verticalis – western kingbird

#### HIRUNDINIDAE - SWALLOWS

*Petrochelidon pyrrhonota* – cliff swallow

#### CORVIDAE - JAYS AND CROWS

Aphelocoma californica – western scrub-jay Corvus brachyrhynchos – American crow Corvus corax – common rayen

#### **PARIDAE** – TITMICE

Baeolophus inornatus – oak titmouse

#### **AEGITHALIDAE** – BUSHTITS

Psaltriparus minimus – bushtit

#### TROGLODYTIDAE - WRENS

Campylorhynchus brunneicapillus – cactus wren Salpinctes obsoletus – rock wren Thryomanes bewickii – Bewick's wren

#### SYLVIIDAE - GNATCATCHERS

*Polioptila caerulea* – blue-gray gnatcatcher

#### TURDIDAE - THRUSHES AND BABBLERS

Sialia mexicana – western bluebird

#### TIMALIIDAE - LAUGHINGTHRUSH AND WRENTIT

Chamaea fasciata – wrentit

#### **MIMIDAE** – THRASHERS

*Mimus polyglottos* – northern mockingbird *Toxostoma redivivum* – California thrasher

#### PTILOGONATIDAE - SILKY-FLYCATCHERS

Phainopepla nitens – phainopepla



#### LANIIDAE - SHRIKES

Lanius ludovicianus – loggerhead shrike

#### **STURNIDAE** – STARLINGS

\* Sturnus vulgaris – European starling

#### PARULIDAE - WOOD WARBLERS

Dendroica coronata – yellow-rumped warbler Geothlypis trichas – common yellowthroat Oporonis tolmiei – MacGillivray's warbler Vermivora celata – orange-crowned warbler

Wilsonia pusilla – Wilson's warbler

#### EMBERIZIDAE – BUNTINGS AND SPARROWS

Amphispiza bilineata – black-throated sparrow
Chondestes grammacus – lark sparrow
Junco hyemalis – dark-eyed junco
Melospiza melodia – song sparrow
Pipilo crissalis – California towhee
Pipilo maculatus – spotted towhee
Spizella atrogularis – black-chinned sparrow
Zonotrichia leucophrys – white-crowned sparrow

#### ICTERIDAE - BLACKBIRDS AND ORIOLES

Agelaius phoeniceus – red-winged blackbird
Icterus bullockii – Bullock's oriole
Icterus parisorum – Scott's oriole
Molothrus ater – brown-headed cowbird
Quiscalus mexicanus – great-tailed grackle
Sturnella neglecta – western meadowlark

#### FRINGILLIDAE - FINCHES

Carpodacus mexicanus – house finch Carduelis psaltria – lesser goldfinch



#### **MAMMALS**

#### LEPORIDAE - HARES AND RABBITS

Lepus californicus – black-tailed jackrabbit Sylvilagus bachmani – brush rabbit Sylvilagus audubonii – desert cottontail

# **SCIURIDAE** – SQUIRRELS

Ammospermophilus leucurus – white-tailed antelope squirrel Spermophilus beecheyi – California ground squirrel

#### **GEOMYIDAE - POCKET GOPHERS**

Thomomys bottae – Botta's pocket gopher

#### HETEROMYIDAE - POCKET MICE AND KANGAROO RATS

*Dipodomys* sp. – kangaroo rat (sign)

#### **MURIDAE** - RATS AND MICE

Neotoma lepida – desert woodrat Peromyscys sp. – mouse

#### CANIDAE - WOLVES AND FOXES

\* Canis familiaris – domestic dog Canis latrans – coyote

#### **PROCYONIDAE** – RACCOONS AND RELATIVES

Procyon lotor - common raccoon

#### **MUSTELIDAE** – WEASELS, SKUNKS, AND OTTERS

Mephitis mephitis – striped skunk Mustela frenata – long-tailed weasel

# FELIDAE - CATS

Felis concolor - mountain lion

#### CERVIDAE - DEERS

Odocoileus hemionus - mule deer



#### **WILDLIFE SPECIES - INVERTEBRATES**

#### **BUTTERFLIES AND MOTHS**

#### **HESPERIIDAE** – SKIPPERS

Erynnis funeralis – funereal duskywing Erynnis propertius – propertius duskywing Erynnis sp. – Duskywing Thorybes pylades – Northern Cloudywing

#### PAPILIONIDAE - SWALLOWTAILS

Papilio eurymedon – pale swallowtail Papilio rutulus – western tiger swallowtail Papilo zelicaon lucas – anise swallowtail

#### **PIERIDAE** – WHITES AND SULFURS

Anthocharis centhura – Felder's orangetip
Anthocharis sara – Sara orangetip
Colias Eurydice – California dogface
Colias harfordi – Harford's Sulfur
Colias sp. – Sulfur
Euchloe hyantis – Pearly marble

Pieris rapae – European cabbage white Pontia beckerii – Becker's white

Pontia protodice – Common white Pontia sisymbrii – California white

Euchloe lotta – Desert marble

#### RIODINIDAE - METALMARKS

*Apodemia mormo virgulti* – Behr's metalmark *Calephelis wrightii* – Wright's metalmark

# LYCAENIDAE - BLUES, HAIRSTREAKS, AND COPPERS

Brephidium exile – western pygmy blue

Callophrys dumetorum perplexa – perplexing (green) hairstreak

Glaucopsyche lygdamus australis – southern blue

Icaria acmon acmon – acmon blue

Incisalia augustinus – brown elfin

Leptotes marina – marine blue

Philotes sonorensis - sonoran blue



# **NYMPHALIDAE** – BRUSH-FOOTED BUTTERFLIES

Agraulis sp. – fritillary

Coenonympha californica californica – California ringlet

Junonia coenia – buckeye

Vanessa annabella – west coast lady

Vanessa sp. – lady

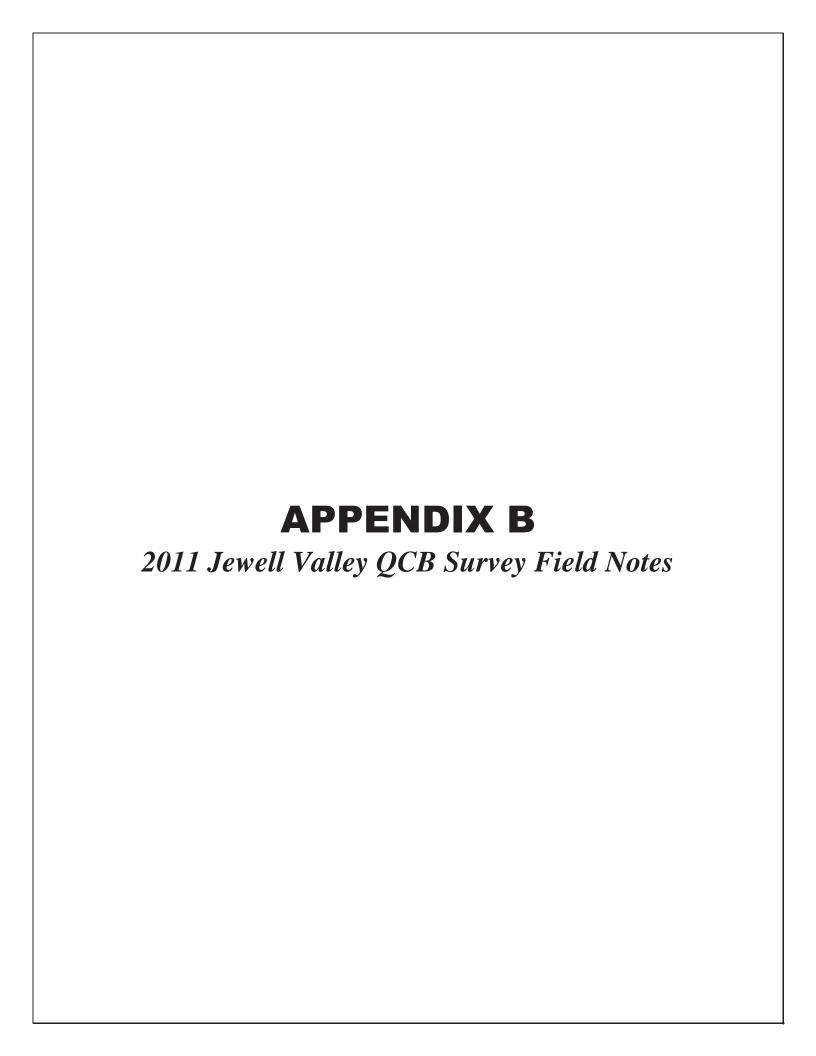
Vanessa cardui – painted lady

\* signifies introduced (non-native) species



INTENTIONALLY LEFT BLANK





0805 [100 400 Jewel Valley 64 75 81 80B  3-5MPH 8NPH 6-10 Areas
WSTA DOLL BOOK + Tacks CAQU BUSH WCSP BENOR CORA CATH
RIHA-overhead WISW flyorer WROD CATO
Funereal type ++++ Mary White black (skipper)   blue (marine)
- Brown (Wights) 1/1 White (Beckers) + HI    Moth-underwing us wellow spots ~ 10  Dehr's Metalmark + HH 1 11
- Acmon blue 1 underving moth 1/3 ~15 Ambords

	No.
10945 Jewel Valley	
64 grad 3/18/2011	full sun conditions by 1100
60 dis Area 2	then wind picked up
high wispy (sunsumited) QCB Survey	but butterflier were
1-3 MPH (MICH	active.
	Nester Source (Lasth)
WSJA Cactreering	was abundant between
CAQU BTSP	Alirebs (photos),
COLA COM	Cl O consol: Carl N. M.
Bust wasp (la orwer flewby)	Stopped recording swetchunder
HAI BEUR	They are quite numerous
SPTO Rost on nest in	5 year
CAO DEJU deal	1515
CATH TYPE)	64F
	5-10MPH,
marily	quots to 15
Dehr's metalmark + ++++11+	Clar
Eurereal type 111	
Perpleying hourstreak !!!	
Blackspotted york +441	
Congruence it	
pale swallow fail	
skipper allbrace IVI	
Figure Blue 11	* _

0930 415 pm 3/29 2011
0930 415 pm 3/29 2011 Clear 8090CC Week3
3.5004 5-800h Jewel Jalley
3-SMPH 5-8mph Jewel Jalley 64 720 Area
UREN CAQU
CATO CATH
SPTO CORT
YRWA BEWR
WSJA GRRO
BTSP WCSP  CANOR TUVE Flyover  BTGW DEJU
CAWR TUVE flyover
BTGW DEJU
Striped racer
Soma 0.tip + + 1111
White-Becker or Common
Bon Elsin (1
Perplexing +11+11
Behris M.M. HIN HH-HH-HH-HH-HH-
Silv. blue 1) Mari
white-large
Larger de Gulhia
Skipper, buseblack HHI Desert norble HHI
Desert mainble + +++1
Lady Sp.
Eygny blue 11

Patches is carpet of annuals patches over is netty redshank chamise to wind Lots of 100

AMH 4/1/2011 Tewel Valley 76 F 0830 350 3-5mpH Clear Clear Harford HHIII Sara 04:p +++ 111 Metalwark, Beh's HHII many Blue, Southern 111 Desert marble 144 peoplexing 11+11 Pale Swallow tail very common - Fritting around the buckent buckeye Blue (acrown) ++++ NKSP M000 WREN BTSP There over flight subty low ROWR SCOR also pullylow with with the way of the pullylow CRTO SPTO WSJA DEJU CAQU CORA CAWR small yellow (sorgot the name)

Site

Johnson das red 182 gyle AMH Alot more whites (common, marble, san o'tip) also more sulfurs this week. Metal marks are abundant boths small+large. first bunkeye this week. Carpet of spring ephenerals in bloom now. Did a second pass thru the areas with the carpets (1904 and by with a grant of the

AMH ut. Site ASP Spplist for GOB survey WREN BEWR BTSP WCSP NOFL CAWR CORA CATIL CATO GRIRO WTSW DUD alion