



TETRA TECH EC, INC.

DOCKET

09-AFC-8

DATE MAY 28 2010

RECD. MAY 28 2010

May 28, 2010

California Energy Commission
Docket No. 09-AFC-8
1516 9th St.
Sacramento, CA 95814

Genesis Solar Energy Project - Docket Number 09-AFC-8

Docket Clerk:

Enclosed for filing with this letter is one hard copy and one electronic copy of our ***Spring Survey Biological Data for the Genesis Solar Energy Project Description.***

Sincerely,

A handwritten signature in cursive script that reads "Tricia Bernhardt".

Tricia Bernhardt
Project Manager/Tetra Tech EC

cc: Mike Monasmith /CEC Project Manager



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BEFORE THE ENERGY RESOURCES CONSERVATION AND DEVELOPMENT
COMMISSION OF THE STATE OF CALIFORNIA
1516 NINTH STREET, SACRAMENTO, CA 95814
1-800-822-6228 – WWW.ENERGY.CA.GOV

**APPLICATION FOR CERTIFICATION FOR THE
GENESIS SOLAR ENERGY PROJECT**

Docket No. 09-AFC-8

**PROOF OF SERVICE
(Revised 5/12/10)**

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I, Tricia Bernhardt, declare that on May 28, 2010, I served and filed copies of the *Spring Biological Survey Data for the Genesis Solar Energy Project* dated May 28, 2010. The original document, filed with the Docket Unit, is accompanied by a copy of the most recent Proof of Service list, located on the web page for this project at: [http://www.energy.ca.gov/sitingcases/genesis_solar].

The documents have been sent to both the other parties in this proceeding (as shown on the Proof of Service list) and to the Commission's Docket Unit, in the following manner:

(Check all that Apply)

FOR SERVICE TO ALL OTHER PARTIES:

sent electronically to all email addresses on the Proof of Service list;

by personal delivery or by depositing in the United States mail at Sacramento, California with first-class postage thereon fully prepaid and addressed as provided on the Proof of Service list above to those addresses **NOT** marked "email preferred."

AND

FOR FILING WITH THE ENERGY COMMISSION:

sending an original paper copy and one electronic copy, mailed and emailed respectively, to the address below (*preferred method*);

OR

depositing in the mail an original and 12 paper copies, as follows:

CALIFORNIA ENERGY COMMISSION

Attn: Docket No. 09-AFC-8
1516 Ninth Street, MS-4
Sacramento, CA 95814-5512
docket@energy.state.ca.us

I declare under penalty of perjury that the foregoing is true and correct.

Original Signed By:



Tricia Bernhardt

**Genesis Solar Energy Project
Preliminary Spring 2010 Biological Resources Field Survey Results**

| Label | Number | Easting | Northing | Species | Sign Type | Age | Comments | TT ID # | Location |
|-------|--------|----------|-----------|---|------------------|-----|--|---------|------------------------------|
| GBZZ | 16 | 694547.1 | 3719946.7 | <i>Cryptantha costata</i> | Population | | Seed pods in small dunes, interspersed with <i>Brassica tournefortii</i> | 92 | Green Botany poly WP 11-5 |
| GYTC | 13 | 687552.0 | 3725382.7 | <i>Gopherus agassizii</i> | 1 bone fragment | >>4 | Permineralized | 73 | Plant Site Area A extension |
| GYTC | 14 | 687812.0 | 3725115.9 | <i>Gopherus agassizii</i> | 1 bone fragment | >>4 | Permineralized | 73 | Plant Site Area A extension |
| GYTC | 15 | 687931.4 | 3725202.1 | <i>Gopherus agassizii</i> | 1 bone fragment | >>4 | Permineralized | 73 | Plant Site Area A extension |
| GKTC | 29 | 687713.9 | 3725111.4 | <i>Gopherus agassizii</i> | 3 bone fragments | >>4 | | 73 | Plant Site Area A extension |
| GKZZ | 32 | 694486.3 | 3720411.9 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | Population | | 20+ plants | 85 | Route A I-10 to WP 11 (west) |
| GYZZ | 22 | 694067.3 | 3720400.3 | <i>Cryptantha costata</i> | Population | | In dunes | 85 | Route A I-10 to WP 11 (west) |
| GKZZ | 27 | 688541.7 | 3724928.1 | <i>Cryptantha costata</i> | Population | | Large population in dunes | 75 | Route A WP 1.0-1.5 (west) |
| GYTC | 20 | 688905.8 | 3724390.1 | <i>Gopherus agassizii</i> | 1 bone fragment | >>4 | Permineralized | 75 | Route A WP 1.0-1.5 (west) |
| GKZZ | 28 | 688582.6 | 3724879.5 | <i>Cryptantha costata</i> | Population | | Many plants | 74 | Route A WP 1.5-1.0 (east) |
| GYTC | 12 | 688356.2 | 3725121.5 | <i>Gopherus agassizii</i> | 1 bone fragment | >>4 | Permineralized | 74 | Route A WP 1.5-1.0 (east) |
| GYAA | 10 | 689129.0 | 3724255.2 | <i>Uma scoparia</i> | 1 individual | | Adult | 74 | Route A WP 1.5-1.0 (east) |
| GYAA | 11 | 688530.8 | 3724907.4 | <i>Uma scoparia</i> | 2 individuals | | Adult and juvenile | 74 | Route A WP 1.5-1.0 (east) |
| GYZZ | 12 | 689580.0 | 3723808.4 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | 1 individual | | | 76 | Route A WP 1.5-2 (east) |
| GTZZ | 20 | 690185.6 | 3723066.1 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | 2 individuals | | Plant | 76 | Route A WP 1.5-2 (east) |
| GKZZ | 25 | 689590.4 | 3723767.6 | <i>Cryptantha costata</i> | Population | | Many plants, in sandy strip/drainage | 76 | Route A WP 1.5-2 (east) |
| GKZZ | 26 | 690021.0 | 3723281.8 | <i>Cryptantha costata</i> | Population | | With many <i>Cryptantha angustifolia</i> | 76 | Route A WP 1.5-2 (east) |
| GKAA | 24 | 689552.3 | 3723810.5 | <i>Uma scoparia</i> | 1 individual | | Adult | 76 | Route A WP 1.5-2 (east) |
| GKZZ | 31 | 694555.1 | 3720431.5 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | Population | | 10 plants | 86 | Route A WP |

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Preliminary Spring 2010 Biological Resources Field Survey Results**

| Label | Number | Easting | Northing | Species | Sign Type | Age | Comments | TT ID # | Location |
|-------|--------|----------|-----------|---|---------------|-----|--|---------|-------------------------------|
| | | | | | | | | | 11- I-10 (east) |
| GYZZ | 21 | 694237.0 | 3720457.2 | <i>Cryptantha costata</i> | Population | | | 86 | Route A WP 11- I-10 (east) |
| GKZZ | 30 | 694544.7 | 3720307.5 | <i>Cryptantha costata</i> | Population | | Many plants | 86 | Route A WP 11- I-10 (east) |
| GTZZ | 21 | 694534.1 | 3719824.2 | <i>Cryptantha costata</i> | Population | | Several plants in pooling/sandy area | 86 | Route A WP 11- I-10 (east) |
| GNZZ | 10 | 694480.4 | 3720312.6 | <i>Cryptantha costata</i> | Population | | 500+ plants along dune complex | 13 | Route A WP 11-7 (west) |
| GSZZ | 12 | 693983.5 | 3720460.5 | <i>Proboscidea althaeifolia</i> | Population | | 3 seed pods | 13 | Route A WP 11-7 (west) |
| GXAA | 10 | 694028.1 | 3720414.1 | <i>Uma scoparia</i> | 2 individuals | | Juveniles | 13 | Route A WP 11-7 (west) |
| GNAA | 9 | 694482.0 | 3720326.2 | <i>Uma scoparia</i> | 1 individual | | Adult | 13 | Route A WP 11-7 (west) |
| GNAA | 11 | 694345.4 | 3720410.4 | <i>Uma scoparia</i> | 2 individuals | | Juveniles in dune | 13 | Route A WP 11-7 (west) |
| GXZZ | 41 | 694264.2 | 3721014.2 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | Population | | 100+ plants in swale to the west to 400m | 83 | Route A WP 12-16 (south) |
| GDA A | 18 | 693497.5 | 3720975.5 | <i>Buteo regalis</i> | 1 individual | | Flyover | 83 | Route A WP 12-16 (south) |
| GAZZ | 18 | 694669.0 | 3721037.2 | <i>Cryptantha costata</i> | 1 individual | | Scattered in dunes at WW rest stop | 83 | Route A WP 12-16 (south) |
| GXZZ | 42 | 693515.3 | 3721001.5 | <i>Proboscidea althaeifolia</i> | Population | | Pods common near and along swale | 83 | Route A WP 12-16 (south) |
| GXZZ | 7 | 694747.8 | 3721016.9 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | Population | | 20-30 plants | 10 | Route A WP 13-6 (south) |
| GXZZ | 8 | 694263.5 | 3721015.5 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | Population | | 18-20 plants | 10 | Route A WP 13-6 (south) |
| GVZZ | 6 | 693965.3 | 3720989.7 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | Population | | 20-30 | 10 | Route A WP 13-6 (south) |
| GNZZ | 5 | 694144.5 | 3721000.0 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | Population | | 20-25 | 10 | Route A WP 13-6 (south) |
| GWZZ | 4 | 693817.3 | 3720994.2 | <i>Cryptantha costata</i> | Population | | Approximately 250 | 10 | Route A WP 13-6 (south) |
| GXZZ | 9 | 693405.0 | 3721003.5 | <i>Proboscidea althaeifolia</i> | 2 seed pods | | | 10 | Route A WP 13-6 (south) |
| GAZZ | 8 | 693884.3 | 3721016.1 | <i>Proboscidea althaeifolia</i> | 1 seed pod | | | 10 | Route A WP 13-6 (south) |
| GSZZ | 11 | 692583.6 | 3720966.0 | <i>Proboscidea althaeifolia</i> | Population | | 9 seed pods | 10 | Route A WP 13-6 (south) |
| GNZZ | 6 | 693713.4 | 3720990.0 | <i>Proboscidea althaeifolia</i> | 1 seed pod | | | 10 | Route A WP 13-6 (south) |

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| Label | Number | Easting | Northing | Species | Sign Type | Age | Comments | TT ID # | Location |
|-------|--------|----------|-----------|---|---------------|-----|---|---------|---------------------------------|
| GNZZ | 7 | 693066.0 | 3720974.4 | <i>Proboscidea althaeifolia</i> | 2 seed pods | | | 10 | Route A WP 13-6 (south) |
| GNZZ | 8 | 692941.8 | 3720974.5 | <i>Proboscidea althaeifolia</i> | 1 seed pod | | | 10 | Route A WP 13-6 (south) |
| GTZZ | 9 | 693220.6 | 3720971.0 | <i>Proboscidea althaeifolia</i> | 1 seed pod | | | 10 | Route A WP 13-6 (south) |
| GTZZ | 10 | 692826.6 | 3720954.1 | <i>Proboscidea althaeifolia</i> | Population | | 13 seed pods | 10 | Route A WP 13-6 (south) |
| GWAA | 3 | 694579.5 | 3721026.3 | <i>Uma scoparia</i> | 3 individuals | | Adults | 10 | Route A WP 13-6 (south) |
| GVAA | 7 | 693724.2 | 3720971.7 | <i>Uma scoparia</i> | 1 individual | | Juvenile | 10 | Route A WP 13-6 (south) |
| GSAA | 9 | 693791.6 | 3720991.6 | <i>Uma scoparia</i> | 1 individual | | Adult | 10 | Route A WP 13-6 (south) |
| GSAA | 10 | 693622.5 | 3720997.4 | <i>Uma scoparia</i> | 3 individuals | | 1 juvenile, 2 adults | 10 | Route A WP 13-6 (south) |
| GSZZ | 24 | 694204.3 | 3721048.2 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | Population | | 8 plants | 82 | Route A WP 16-12 (north) |
| GDZZ | 17 | 694737.5 | 3721067.0 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | Population | | Several plants in dunes, behind rest stop | 82 | Route A WP 16-12 (north) |
| GAZZ | 17 | 693277.6 | 3721035.9 | <i>Cryptantha costata</i> | Population | | Common on sand sheet | 82 | Route A WP 16-12 (north) |
| GSZZ | 23 | 693759.7 | 3721033.2 | <i>Cryptantha costata</i> | Population | | Scattered, abundant | 82 | Route A WP 16-12 (north) |
| GNZZ | 47 | 694659.0 | 3721073.9 | <i>Cryptantha costata</i> | 1 individual | | Dunes | 82 | Route A WP 16-12 (north) |
| GAZZ | 15 | 692726.0 | 3721020.0 | <i>Proboscidea althaeifolia</i> | Population | | Several scattered pods near swale over 200m | 82 | Route A WP 16-12 (north) |
| GDAA | 16 | 693651.2 | 3721079.1 | <i>Uma scoparia</i> | 2 individuals | | Subadults | 82 | Route A WP 16-12 (north) |
| GYZZ | 11 | 690159.9 | 3723050.5 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | Population | | 4 plants | 77 | Route A WP 2-1.5 (west) |
| GKZZ | 20 | 690019.8 | 3723205.1 | <i>Cryptantha costata</i> | Population | | 50+ plants, scattered throughout | 77 | Route A WP 2-1.5 (west) |
| GKZZ | 21 | 689610.9 | 3723649.6 | <i>Cryptantha costata</i> | Population | | Many plants, in sandy braided wash | 77 | Route A WP 2-1.5 (west) |
| GKAA | 22 | 689611.0 | 3723652.3 | <i>Uma scoparia</i> | 2 individuals | | Adult | 77 | Route A WP 2-1.5 (west) |
| GKAA | 23 | 689382.3 | 3723900.0 | <i>Uma scoparia</i> | 1 individual | | Subadult | 77 | Route A WP 2-1.5 (west) |
| GYZZ | 10 | 690641.8 | 3722816.0 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | 1 individual | | | 79 | Route A WP 4-2 (west and south) |

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Preliminary Spring 2010 Biological Resources Field Survey Results**

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|-------|--------|----------|-----------|---|------------------|-----|---|---------|---------------------------------|
| GYTC | 4 | 690860.0 | 3721995.5 | <i>Gopherus agassizii</i> | 1 bone fragment | >>4 | Adult, permineralized | 79 | Route A WP 4-2 (west and south) |
| GYTC | 5 | 690896.9 | 3722044.8 | <i>Gopherus agassizii</i> | 3 bone fragments | >>4 | Adult | 79 | Route A WP 4-2 (west and south) |
| GNZZ | 40 | 692354.1 | 3721264.0 | <i>Cryptantha costata</i> | Population | | Common in dune patch | 80 | Route A WP 4-6 (north and east) |
| GXZZ | 30 | 692105.9 | 3721280.3 | <i>Proboscidea althaeifolia</i> | Population | | Pods abundant near swale, abundant to 100m east | 80 | Route A WP 4-6 (north and east) |
| GSZZ | 15 | 691861.0 | 3721205.7 | <i>Proboscidea althaeifolia</i> | 1 seed pod | | Near swale | 80 | Route A WP 4-6 (north and east) |
| GNZZ | 41 | 692439.0 | 3721134.2 | <i>Proboscidea althaeifolia</i> | Population | | Pods common, approx 150m large patch near swale | 80 | Route A WP 4-6 (north and east) |
| GSA A | 16 | 692414.4 | 3721196.7 | <i>Uma scoparia</i> | 1 individual | | Juvenile | 80 | Route A WP 4-6 (north and east) |
| GLZZ | 1 | 692117.3 | 3721284.8 | <i>Proboscidea althaeifolia</i> | Population | | 3 plants, many pods over 40 m | 7 | Route A WP 5-4 (north) |
| GAZZ | 7 | 694262.7 | 3721035.3 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | Population | | 5-10 | 11 | Route A WP 6-13 (north) |
| GVZZ | 4 | 692774.8 | 3721052.3 | <i>Cryptantha costata</i> | 1 individual | | | 11 | Route A WP 6-13 (north) |
| GVZZ | 5 | 693832.9 | 3721039.7 | <i>Cryptantha costata</i> | Population | | >200 plants in sandy area | 11 | Route A WP 6-13 (north) |
| GXZZ | 6 | 692848.0 | 3721014.0 | <i>Proboscidea althaeifolia</i> | 2 seed pods | | | 11 | Route A WP 6-13 (north) |
| GAZZ | 5 | 691966.3 | 3722088.3 | <i>Proboscidea althaeifolia</i> | 2 seed pods | | | 11 | Route A WP 6-13 (north) |
| GSZZ | 6 | 692408.5 | 3721029.2 | <i>Proboscidea althaeifolia</i> | Population | | 7 seed pods | 11 | Route A WP 6-13 (north) |
| GSZZ | 7 | 693391.7 | 3721045.0 | <i>Proboscidea althaeifolia</i> | Population | | 4 seed pods | 11 | Route A WP 6-13 (north) |
| GSZZ | 8 | 693851.6 | 3721063.6 | <i>Proboscidea althaeifolia</i> | Population | | 3 seed pods | 11 | Route A WP 6-13 (north) |
| GTZZ | 7 | 694154.6 | 3721076.6 | <i>Proboscidea althaeifolia</i> | 1 seed pod | | | 11 | Route A WP 6-13 (north) |
| GWAA | 2 | 693822.9 | 3721039.2 | <i>Uma scoparia</i> | 1 individual | | Juvenile | 11 | Route A WP 6-13 (north) |
| GAAA | 6 | 693598.1 | 3721029.7 | <i>Uma scoparia</i> | 1 individual | | Juvenile | 11 | Route A WP |

**Genesis Solar Energy Project
Preliminary Spring 2010 Biological Resources Field Survey Results**

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|-------|--------|----------|-----------|---|--------------|-----|---|---------|-------------------------------|
| | | | | | | | | | 6-13 (north) |
| GSAA | 34 | 692033.0 | 3721187.2 | <i>Buteo swainsoni</i> | 1 individual | | Flying overhead | 81 | Route A WP 6-4 (south) |
| GBZZ | 15 | 692306.8 | 3721181.7 | <i>Proboscidea althaeifolia</i> | Seed pods | | | 81 | Route A WP 6-4 (south) |
| GDZZ | 19 | 692385.0 | 3721041.9 | <i>Proboscidea althaeifolia</i> | Population | | Many seed pods | 81 | Route A WP 6-4 (south) |
| GDZZ | 20 | 693938.5 | 3720973.6 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | Population | | 75-100 in swale | 84 | Route A WP 7 to I-10 |
| GAZZ | 9 | 693881.1 | 3721014.7 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | Population | | 15-20 | 12 | Route A WP 7-11 (east) |
| GTZZ | 8 | 694044.8 | 3720982.0 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | 1 individual | | | 12 | Route A WP 7-11 (east) |
| GWZZ | 5 | 694088.9 | 3720478.6 | <i>Cryptantha costata</i> | Population | | Population (100-200) extends along dunes | 12 | Route A WP 7-11 (east) |
| GNZZ | 12 | 694563.0 | 3720457.6 | <i>Cryptantha costata</i> | Population | | 800 plants across dunes to flooded borrow pit | 12 | Route A WP 7-11 (east) |
| GWAA | 6 | 694553.2 | 3720359.1 | <i>Uma scoparia</i> | 1 individual | | Adult | 12 | Route A WP 7-11 (east) |
| GVZZ | 8 | 694529.7 | 3719884.2 | <i>Cryptantha costata</i> | Population | | 80 plants | 12 | Route A WP 7-11 (east) |
| GZZZ | 7 | 688378.0 | 3725151.0 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | 1 individual | | | 1 | Route A, ROW |
| GZAA | 2 | 688376.0 | 3725152.0 | <i>Vulpes macrotis</i> | Complex | | Large >20 entrances, lots of old scat, some 2009 scat | 1 | Route A, ROW |
| GYZZ | 1 | 688530.5 | 3724880.4 | <i>Cryptantha costata</i> | Population | | Low dunes, abundant | 2 | Route A, waypoint 1-2 (south) |
| GYZZ | 2 | 689590.7 | 3723691.1 | <i>Cryptantha costata</i> | Population | | Sand sheet, abundant | 2 | Route A, waypoint 1-2 (south) |
| GYZZ | 3 | 689900.2 | 3723354.3 | <i>Cryptantha costata</i> | Population | | Sand sheet, abundant | 2 | Route A, waypoint 1-2 (south) |
| GMZZ | 14 | 690176.6 | 3722995.8 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | 1 individual | | | 2 | Route A, WP 1-2 (south) |
| GMAA | 13 | 690109.6 | 3723082.6 | <i>Odocoileus hemionus eremicus</i> | 1 | | Tracks | 2 | Route A, WP 1-2 (south) |
| GMAA | 12 | 689358.8 | 3723929.9 | <i>Vulpes macrotis</i> | Complex | | Old, filled in and old scat, not active | 2 | Route A, WP 1-2 (south) |

**Genesis Solar Energy Project
Preliminary Spring 2010 Biological Resources Field Survey Results**

| Label | Number | Easting | Northing | Species | Sign Type | Age | Comments | TT ID # | Location |
|-------|--------|----------|-----------|---|-----------------|-----|---|---------|-------------------------|
| GZZZ | 3 | 690519.0 | 3722898.0 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | 1 individual | | En route to transect. Purple flower and leaves diagnostic, no pods. Growing in sandy loam, small runnel | 4 | Route A, WP 2-1 (north) |
| GZZZ | 4 | 689855.0 | 3723455.0 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | 1 individual | | <i>Astragalus aridus</i> nearby, loose sand | 4 | Route A, WP 2-1 (north) |
| GKZZ | 6 | 689761.5 | 3723574.9 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | 1 individual | | Soft loose sand in runnel system | 4 | Route A, WP 2-1 (north) |
| GMZZ | 7 | 690335.4 | 3722955.1 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | 1 individual | | Growing in sandy loam in small runnel, group | 4 | Route A, WP 2-1 (north) |
| GMZZ | 10 | 688565.2 | 3724917.2 | <i>Cryptantha costata</i> | Population | | Common; in low dunes | 3 | Route A, WP 2-1 (north) |
| GZZZ | 1 | 692713.0 | 3722470.0 | <i>Cryptantha costata</i> | Population | | En route to transect. low, small dunes. Buds mostly. Common - hundreds of plants. Associates are <i>Larrea tridentata</i> , <i>Cercidium floridum</i> , <i>Palafoxia</i> sp., <i>Brassica tournefortii</i> , etc. | 4 | Route A, WP 2-1 (north) |
| GZZZ | 2 | 691601.0 | 3722870.0 | <i>Cryptantha costata</i> | Population | | En route to transect. Small sandy drift, <i>Larrea tridentata</i> with sand associates including <i>Hesperocallis undulata</i> Common here. | 4 | Route A, WP 2-1 (north) |
| GZZZ | 5 | 690010.0 | 3723301.0 | <i>Cryptantha costata</i> | Population | | Loose sand in broad runnel system with <i>Pleuraphis rigida</i> , near west edge of this system with <i>Cryptantha angustifolia</i> and sand associates abundant | 4 | Route A, WP 2-1 (north) |
| GKZZ | 5 | 690010.5 | 3723300.9 | <i>Cryptantha costata</i> | Population | | On broad loose sandy sheet with other sand associates abundant | 4 | Route A, WP 2-1 (north) |
| GKTC | 7 | 688359.8 | 3725123.6 | <i>Gopherus agassizii</i> | 1 bone fragment | >>4 | Adult | 3 | Route A, WP 2-1 (north) |
| GKZZ | 3 | 692847.1 | 3722481.0 | <i>Proboscidea althaeifolia</i> | 1 seed pod | | En route to transect within 100m arboreal wash | 4 | Route A, WP 2-1 (north) |
| GKZZ | 4 | 692346.0 | 3722703.4 | <i>Proboscidea althaeifolia</i> | Population | | Several seed pods scattered in <i>Pleuraphis rigida</i> wash system | 4 | Route A, WP 2-1 (north) |
| GMZZ | 8 | 689767.9 | 3723589.2 | <i>Proboscidea althaeifolia</i> | 1 individual | | Soft loose sand in runnel system | 4 | Route A, WP 2-1 (north) |
| GZZZ | 6 | 688565.0 | 3724894.0 | <i>Uma scoparia</i> | 1 individual | | Adult | 3 | Route A, WP 2-1 (north) |
| GMAA | 9 | 689600.2 | 3723770.5 | <i>Uma scoparia</i> | 1 individual | | Juvenile | 4 | Route A, WP 2-1 (north) |

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| Label | Number | Easting | Northing | Species | Sign Type | Age | Comments | TT ID # | Location |
|-------|--------|----------|-----------|---|-----------------|-----|--|---------|-----------------------------------|
| GBAA | 5 | 688402.7 | 3725036.7 | <i>Vulpes macrotis</i> | Complex | | Recent scat, digging, 5 entrances | 3 | Route A, WP 2-1 (north) |
| GMAA | 11 | 688367.5 | 3725150.8 | <i>Vulpes macrotis</i> | Complex | | Inactive, old scat, 2 more burrows within 40m | 3 | Route A, WP 2-1 (north) |
| GMZZ | 3 | 690602.0 | 3722796.4 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | 2 individuals | | Within 1 meter | 6 | Route A, WP 2-4 (south) |
| GBTC | 3 | 690899.8 | 3722389.9 | <i>Gopherus agassizii</i> | 1 bone fragment | >>4 | Permineralized | 6 | Route A, WP 2-4 (south) |
| GMTC | 4 | 690863.8 | 3722463.6 | <i>Gopherus agassizii</i> | 1 bone fragment | >>4 | Fragment | 6 | Route A, WP 2-4 (south) |
| GBTC | 2 | 690845.6 | 3722837.4 | <i>Gopherus agassizii</i> | 1 bone fragment | >>4 | Probable adult, permineralized | 5 | Route A, WP 4-2 (north) |
| GBTC | 4 | 691178.5 | 3721201.0 | <i>Gopherus agassizii</i> | 1 bone fragment | >>4 | Adult, permineralized | 8 | Route A, WP 4-5 (south) |
| GKTC | 2 | 690949.4 | 3721178.9 | <i>Gopherus agassizii</i> | 1 bone fragment | >>4 | Probable adult based on size of suture lines | 8 | Route A, WP 4-5 (south) |
| GMTC | 5 | 691083.1 | 3721147.7 | <i>Gopherus agassizii</i> | 1 bone fragment | >>4 | Adult fragment | 8 | Route A, WP 4-5 (south) |
| GMZZ | 6 | 691926.6 | 3721183.5 | <i>Proboscidea althaeifolia</i> | 1 seed pod | | Near swale | 8 | Route A, WP 4-5 (south) |
| GKZZ | 1 | 692185.4 | 3721254.9 | <i>Proboscidea althaeifolia</i> | Population | | 5+ seed pods <100m from <i>Olivea tesota</i> and <i>Cercidium floridum</i> | 7 | Route A, WP 5-4 (north) |
| GMZZ | 1 | 692478.0 | 3720896.5 | <i>Proboscidea althaeifolia</i> | Population | | 16 seed pods en route to ROW. seed pods scattered > 100m of wash | 7 | Route A, WP 5-4 (north) |
| GMAA | 2 | 691961.2 | 3721275.3 | <i>Vulpes macrotis</i> | Complex | | With recent digging, no scat. Probably no recent use | 7 | Route A, WP 5-4 (north) |
| GSAA | 18 | 692509.4 | 3722254.4 | <i>Buteo swainsoni</i> | 1 individual | | Fly over | 87 | Route B WP 16-18 (east and north) |
| GNZZ | 42 | 692521.6 | 3721225.2 | <i>Cryptantha costata</i> | Population | | Abundant on dunes | 87 | Route B WP 16-18 (east and north) |
| GNZZ | 44 | 691749.8 | 3722813.0 | <i>Cryptantha costata</i> | Population | | Abundant on dunes | 87 | Route B WP 16-18 (east and north) |
| GSTC | 17 | 692527.5 | 3721769.3 | <i>Gopherus agassizii</i> | 1 bone fragment | >>4 | Bone fragment | 87 | Route B WP 16-18 (east and north) |
| GXZZ | 31 | 692549.5 | 3720958.2 | <i>Proboscidea althaeifolia</i> | Population | | Several pods north of swale 70-250m | 87 | Route B WP 16-18 (east and north) |
| GNAA | 43 | 692514.5 | 3721377.3 | <i>Uma scoparia</i> | 2 individuals | | Juveniles | 87 | Route B WP 16-18 (east and north) |

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| Label | Number | Easting | Northing | Species | Sign Type | Age | Comments | TT ID # | Location and north) |
|-------|--------|----------|-----------|---------------------------------|-----------------|-----|--|---------|-----------------------------------|
| GSTC | 4 | 692255.2 | 3722757.4 | <i>Gopherus agassizii</i> | 1 bone fragment | >>4 | Adult, permineralized, marginal | 31 | Route B WP 16-18 (southwest) |
| GTTC | 3 | 692451.0 | 3722468.9 | <i>Gopherus agassizii</i> | 1 individual | >>4 | Marginal, permineralized fragment | 31 | Route B WP 16-18 (southwest) |
| GSAA | 1 | 692504.1 | 3720717.1 | <i>Lanius ludocicianus</i> | 1 individual | | Perched, 0.17 miles south of beginning of transect | 31 | Route B WP 16-18 (southwest) |
| GAZZ | 1 | 692494.1 | 3720998.0 | <i>Proboscidea althaeifolia</i> | Population | | 7 seed pods, 4 plants within 1/4 mi of each other | 31 | Route B WP 16-18 (southwest) |
| GAZZ | 2 | 692298.2 | 3722729.1 | <i>Proboscidea althaeifolia</i> | Population | | 3 plants, 8 pods | 31 | Route B WP 16-18 (southwest) |
| GTZZ | 2 | 692451.1 | 3722289.1 | <i>Proboscidea althaeifolia</i> | 1 seed pod | | | 31 | Route B WP 16-18 (southwest) |
| GXAA | 1 | 692469.0 | 3722555.3 | <i>Uma scoparia</i> | 1 individual | | Juvenile | 31 | Route B WP 16-18 (southwest) |
| GAAA | 3 | 691639.5 | 3722728.4 | <i>Uma scoparia</i> | 2 individuals | | Adults within 300 ft | 31 | Route B WP 16-18 (southwest) |
| GSAA | 2 | 692449.2 | 3721251.4 | <i>Uma scoparia</i> | 6 individuals | | 2 adults, 4 juveniles all within 400ft | 31 | Route B WP 16-18 (southwest) |
| GSAA | 3 | 692457.1 | 3721905.5 | <i>Uma scoparia</i> | 3 individuals | | 1 adult, 2 juveniles within 400ft | 31 | Route B WP 16-18 (southwest) |
| GTAA | 1 | 692468.7 | 3721227.1 | <i>Uma scoparia</i> | 2 individuals | | 1 adult, 1 juvenile within 400 ft | 31 | Route B WP 16-18 (southwest) |
| GMTC | 20 | 692495.0 | 3722618.0 | <i>Gopherus agassizii</i> | 1 bone fragment | >>4 | Fragment 4cm | 95 | Route B WP 17-17.5 |
| GXTC | 44 | 692421.4 | 3722549.4 | <i>Gopherus agassizii</i> | 1 bone fragment | >>4 | Bone fragment, 2cm | 95 | Route B WP 17-17.5 |
| GVZZ | 1 | 692550.5 | 3721010.2 | <i>Proboscidea althaeifolia</i> | 1 seed pod | | | 30 | Route B WP 18-16 (northeast) |
| GSAA | 19 | 692417.5 | 3722130.6 | <i>Lanius ludocicianus</i> | 1 individual | | | 88 | Route B WP 18-16 (south and west) |

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| Label | Number | Easting | Northing | Species | Sign Type | Age | Comments | TT ID # | Location |
|-------|--------|----------|-----------|-------------------------------------|-----------------|-----|---------------------------------------|---------|------------------------------|
| GNZZ | 1 | 692283.8 | 3722819.7 | <i>Proboscidea althaeifolia</i> | 1 seed pod | | | 30 | Route B WP 8-16 (northeast) |
| GTZZ | 4 | 692508.7 | 3721241.6 | <i>Proboscidea althaeifolia</i> | Population | | 5 seed pods | 30 | Route B WP 8-16 (northeast) |
| GXAA | 2 | 692490.1 | 3721816.2 | <i>Uma scoparia</i> | 2 individuals | | 1 adult, 1 juvenile | 30 | Route B WP 8-16 (northeast) |
| GXAA | 3 | 692504.1 | 3721328.8 | <i>Uma scoparia</i> | 5 individuals | | 3 juveniles, 2 adult | 30 | Route B WP 8-16 (northeast) |
| GNAA | 2 | 692493.8 | 3721628.0 | <i>Uma scoparia</i> | 2 individuals | | 1 juvenile, 1 adult | 30 | Route B WP 8-16 (northeast) |
| GNAA | 46 | 691901.1 | 3722026.7 | <i>Buteo swainsoni</i> | 1 individual | | Fly over | 89 | Route C WP 14-15 (south) |
| GAZZ | 16 | 692770.0 | 3721279.0 | <i>Cryptantha costata</i> | Population | | Common to abundant on this sand sheet | 89 | Route C WP 14-15 (south) |
| GXAA | 40 | 692000.2 | 3721967.4 | <i>Gopherus agassizii</i> | 1 bone fragment | >>4 | Bone fragment | 89 | Route C WP 14-15 (south) |
| GDA A | 15 | 692013.4 | 3721976.1 | <i>Odocoileus hemionus eremicus</i> | 1 | | Tracks | 89 | Route C WP 14-15 (south) |
| GXZZ | 32 | 692906.2 | 3721199.6 | <i>Proboscidea althaeifolia</i> | 1 seed pod | | | 89 | Route C WP 14-15 (south) |
| GSAA | 20 | 692665.7 | 3721361.0 | <i>Uma scoparia</i> | 1 individual | | Juvenile | 89 | Route C WP 14-15 (south) |
| GNA A | 45 | 692640.4 | 3721406.8 | <i>Uma scoparia</i> | 3 individuals | | Juvenile | 89 | Route C WP 14-15 (south) |
| GVZZ | 2 | 692656.7 | 3721349.3 | <i>Cryptantha costata</i> | 1 individual | | | 60 | Route C WP 14-15 (southwest) |
| GXZZ | 4 | 691937.9 | 3722059.2 | <i>Proboscidea althaeifolia</i> | 1 | | Plant | 60 | Route C WP 14-15 (southwest) |
| GNZZ | 3 | 692165.6 | 3721812.1 | <i>Proboscidea althaeifolia</i> | 1 | | Plant | 60 | Route C WP 14-15 (southwest) |
| GTAA | 6 | 692070.4 | 3721919.6 | <i>Proboscidea althaeifolia</i> | 1 | | Plant | 60 | Route C WP 14-15 (southwest) |
| GAAA | 4 | 692520.7 | 3721483.6 | <i>Uma scoparia</i> | 2 individuals | | Subadults | 60 | Route C WP 14-15 (southwest) |

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| Label | Number | Easting | Northing | Species | Sign Type | Age | Comments | TT ID # | Location |
|-------|--------|----------|-----------|---------------------------------|-----------------|-----|---|---------|------------------------------------|
| GTAA | 5 | 692375.8 | 3721654.0 | <i>Uma scoparia</i> | 1 individual | | Juvenile | 60 | Route C WP 14-15 (southwest) |
| GSAA | 22 | 693148.4 | 3721032.2 | <i>Lanius ludocicianus</i> | 1 individual | | 100m south on <i>Cercidium floridum</i> | 90 | Route C WP 15-14 (north) |
| GAAA | 17 | 692701.6 | 3721428.1 | <i>Uma scoparia</i> | 3 individuals | | Juvenile | 90 | Route C WP 15-14 (north) |
| GSAA | 21 | 692396.5 | 3721697.9 | <i>Uma scoparia</i> | 2 individuals | | Juvenile | 90 | Route C WP 15-14 (north) |
| GVZZ | 3 | 692779.1 | 3721392.5 | <i>Cryptantha costata</i> | Population | | 100-200 plants | 59 | Route C WP 15-14 (northeast) |
| GWTC | 1 | 691866.9 | 3722166.2 | <i>Gopherus agassizii</i> | 1 bone fragment | >4 | Fragment, carapace | 59 | Route C WP 15-14 (northeast) |
| GAZZ | 5 | 692746.8 | 3721007.4 | <i>Proboscidea althaeifolia</i> | 2 seed pods | | | 59 | Route C WP 15-14 (northeast) |
| GSZZ | 5 | 692288.1 | 3721782.2 | <i>Proboscidea althaeifolia</i> | 1 seed pod | | | 59 | Route C WP 15-14 (northeast) |
| GXAA | 5 | 692598.1 | 3721486.4 | <i>Uma scoparia</i> | 2 individuals | | Juvenile | 59 | Route C WP 15-14 (northeast) |
| GMTC | 21 | 694839.0 | 3718976.0 | <i>Gopherus agassizii</i> | 1 bone fragment | >>4 | Fragment 3cm | 93 | Route D WP 21-20 (north and south) |
| GPAA | 2 | 688730.9 | 3724787.6 | <i>Uma scoparia</i> | 1 individual | | Adult | 14 | ZOI AN100-2 - AN100-1 |
| GPAA | 1 | 688908.3 | 3724705.1 | <i>Uma scoparia</i> | 1 individual | | Adult | 16 | ZOI AN300-2 - AN300-1 |
| GPTC | 3 | 688107.1 | 3725096.1 | <i>Gopherus agassizii</i> | 1 bone fragment | >>4 | Fragment, assumed tortoise, not positive. Small 30x50mm | 19 | ZOI AS100-1 - AS100-4 |
| GPZZ | 8 | 687183.0 | 3724753.6 | <i>Cryptantha costata</i> | | | | 24 | ZOI AS1200-3 - AS1200-1 |
| GPZZ | 9 | 687240.6 | 3725153.6 | <i>Cryptantha costata</i> | | | Sample | 24 | ZOI AS1200-3 - AS1200-1 |
| GPTC | 7 | 686807.7 | 3725388.9 | <i>Gopherus agassizii</i> | 1 bone fragment | >>4 | Adult | 25 | ZOI AS2400-1 - AS2400-3 |
| GXZZ | 17 | 686356.8 | 3724094.1 | <i>Cryptantha costata</i> | Population | | Common on dunes; hundreds | 26 | ZOI AS3960-2 - AS3960-1 |
| GXZZ | 18 | 686341.7 | 3724670.6 | <i>Cryptantha costata</i> | | | Common on dunes and sandy spots | 26 | ZOI AS3960-2 - AS3960-1 |

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|-------|--------|----------|-----------|---------------------------------|-----------------|-----|--|---------|-------------------------|
| GXZZ | 19 | 686348.2 | 3725058.1 | <i>Cryptantha costata</i> | Population | | On small sandy hummocks along 200m of ZOI transect; dozens | 26 | ZOI AS3960-2 - AS3960-1 |
| GPAA | 4 | 689123.2 | 3723959.1 | <i>Uma scoparia</i> | 1 individual | | Juvenile | 22 | ZOI AS400-1 - AS400-4 |
| GPZZ | 5 | 688464.8 | 3724646.1 | <i>Cryptantha costata</i> | Population | | Several plants in sandy area | 23 | ZOI AS500-4 - AS500-1 |
| GPTC | 6 | 687797.7 | 3724971.0 | <i>Gopherus agassizii</i> | 1 bone fragment | >>4 | Fragment | 23 | ZOI AS500-4 - AS500-1 |
| GXZZ | 20 | 685943.7 | 3724872.3 | <i>Cryptantha costata</i> | | | Abundant on low dunes from here to GXZZ21 | 28 | ZOI AS5280-1 - AS5280-2 |
| GXZZ | 21 | 685957.1 | 3724052.1 | <i>Cryptantha costata</i> | | | Abundant on low dunes from here to GXZZ20 | 28 | ZOI AS5280-1 - AS5280-2 |
| GSAA | 13 | 687558.9 | 3723505.5 | <i>Uma scoparia</i> | 1 individual | | Adult | 29 | ZOI AS5280-3 - AS5280-2 |
| GNZZ | 21 | 691734.2 | 3722868.5 | <i>Cryptantha costata</i> | Population | | 300 plants within 100 ft | 36 | ZOI B100-10 - B100-15 |
| GNZZ | 22 | 692569.2 | 3721969.5 | <i>Cryptantha costata</i> | Population | | 30 plants within 100 ft | 36 | ZOI B100-10 - B100-15 |
| GNZZ | 23 | 692574.4 | 3721664.0 | <i>Cryptantha costata</i> | Population | | 1600 plants over 400 ft | 36 | ZOI B100-10 - B100-15 |
| GNZZ | 27 | 693317.9 | 3721105.5 | <i>Cryptantha costata</i> | 2 individuals | | | 36 | ZOI B100-10 - B100-15 |
| GNZZ | 28 | 693486.1 | 3721108.5 | <i>Cryptantha costata</i> | 1 individual | | | 36 | ZOI B100-10 - B100-15 |
| GNZZ | 29 | 693714.0 | 3721114.7 | <i>Cryptantha costata</i> | 1 individual | | | 36 | ZOI B100-10 - B100-15 |
| GNZZ | 30 | 693793.6 | 3721117.0 | <i>Cryptantha costata</i> | Population | | 40 plants within 50ft | 36 | ZOI B100-10 - B100-15 |
| GNZZ | 31 | 694645.4 | 3721138.1 | <i>Cryptantha costata</i> | Population | | 6 plants | 36 | ZOI B100-10 - B100-15 |
| GNAA | 20 | 691385.3 | 3722858.4 | <i>Falco mexicanus</i> | 1 individual | | Flying west | 36 | ZOI B100-10 - B100-15 |
| GDZZ | 9 | 692244.3 | 3722689.5 | <i>Cryptantha costata</i> | 1 individual | | Among thicket of <i>Cryptantha angustifolia</i> just east of sandy wash between large <i>Larrea tridentata</i> | 35 | ZOI B100-10 - B100-8 |
| GDZZ | 10 | 692402.3 | 3721285.1 | <i>Cryptantha costata</i> | Population | | 3 plants en route to truck 41 m from ZOI B100-3. Open sandy area with <i>Brassica tournefortii</i> abundant and <i>Abronia villosa</i> | 33 | ZOI B100-6 - B100-3 |
| GDZZ | 11 | 692417.2 | 3721203.7 | <i>Cryptantha costata</i> | Population | | Very sandy area; 10 plants | 33 | ZOI B100-6 - B100-3 |
| GDZZ | 12 | 692439.1 | 3721031.3 | <i>Proboscidea althaeifolia</i> | 1 seed pod | | Pod in open silty area near a <i>Larrea tridentata</i> | 33 | ZOI B100-6 - B100-3 |
| GWZZ | 9 | 692907.8 | 3721853.8 | <i>Cryptantha costata</i> | Population | | In sandy area; 50 plants | 55 | ZOI B1200-1 - |

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|-------|--------|----------|-----------|---|---------------|-----|---|---------|-----------------------|
| | | | | | | | | | B1200-3 |
| GAZZ | 14 | 695163.8 | 3721144.8 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | Population | | 30+ on disturbed site next to berm | 56 | ZOI B1200-5 - B1200-3 |
| GAZZ | 15 | 694862.8 | 3721475.9 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | Population | | 10 plants in shallow wash | 56 | ZOI B1200-5 - B1200-3 |
| GAZZ | 16 | 694483.2 | 3721465.7 | <i>Cryptantha costata</i> | Population | | 300+ on sand dune | 56 | ZOI B1200-5 - B1200-3 |
| GAZZ | 13 | 695155.2 | 3720756.4 | <i>Proboscidea althaeifolia</i> | 1 seed pod | | | 56 | ZOI B1200-5 - B1200-3 |
| GDA A | 1 | 691413.9 | 3721343.8 | <i>Circus cyaneus</i> | 1 individual | | Took off from ground and flew to N | 37 | ZOI B200-1 - B200-3 |
| GTZZ | 12 | 694643.9 | 3721171.2 | <i>Cryptantha costata</i> | Population | | Sandy soil; 5 plants | 41 | ZOI B200-15 - B200-10 |
| GTZZ | 14 | 693833.8 | 3721149.4 | <i>Cryptantha costata</i> | Population | | 30 plants on dune | 41 | ZOI B200-15 - B200-10 |
| GTZZ | 17 | 692854.2 | 3721504.9 | <i>Cryptantha costata</i> | Population | | >>200 plants, abundant, dense. Dune | 41 | ZOI B200-15 - B200-10 |
| GTZZ | 18 | 692602.7 | 3722040.4 | <i>Cryptantha costata</i> | Population | | Loose sand; 20 plants | 41 | ZOI B200-15 - B200-10 |
| GTZZ | 19 | 691781.4 | 3722906.8 | <i>Cryptantha costata</i> | Population | | >>200 plants, abundant, dense. Dune | 41 | ZOI B200-15 - B200-10 |
| GTZZ | 13 | 693936.5 | 3721150.9 | <i>Proboscidea althaeifolia</i> | 1 seed pod | | | 41 | ZOI B200-15 - B200-10 |
| GTZZ | 15 | 693528.5 | 3721147.5 | <i>Proboscidea althaeifolia</i> | Population | | 3 seed pods | 41 | ZOI B200-15 - B200-10 |
| GTAA | 16 | 693290.4 | 3721134.6 | <i>Uma scoparia</i> | 2 individuals | | Juveniles on dune | 41 | ZOI B200-15 - B200-10 |
| GDZZ | 4 | 692205.4 | 3721653.6 | <i>Proboscidea althaeifolia</i> | 1 seed pod | | | 38 | ZOI B200-3 - B200-5 |
| GDZZ | 8 | 691882.8 | 3722269.0 | <i>Proboscidea althaeifolia</i> | 1 seed pod | | | 39 | ZOI B200-5 - B200-8 |
| GWAA | 8 | 690954.3 | 3723552.1 | <i>Lanius ludocicianus</i> | 1 individual | | Adult in <i>Olneya tesota</i> | 57 | ZOI B2400-3 - B2400-1 |
| GWAA | 9 | 693260.2 | 3722370.9 | <i>Lanius ludocicianus</i> | 1 individual | | Adult, flyover | 57 | ZOI B2400-3 - B2400-1 |
| GWZZ | 7 | 691829.9 | 3723573.4 | <i>Proboscidea althaeifolia</i> | 1 seed pod | | 1 plant, 40 pods | 57 | ZOI B2400-3 - B2400-1 |
| GAZZ | 12 | 695349.7 | 3720740.3 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | Population | | 250+ plants between B2400-6 and B1200-6 | 58 | ZOI B2400-3 - B2400-6 |
| GAZZ | 11 | 694200.5 | 3721822.3 | <i>Cryptantha costata</i> | Population | | 30+ in dune area | 58 | ZOI B2400-3 - B2400-6 |
| GAAA | 10 | 693569.1 | 3721804.5 | <i>Uma scoparia</i> | 1 individual | | Adult sandy dune area | 58 | ZOI B2400-3 - B2400-6 |

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|-------|--------|----------|-----------|---|--------------|-----|--|---------|-----------------------|
| GTAA | 22 | 692622.5 | 3722274.6 | <i>Athene cinicularia</i> | | 1 | Burrow with whitewash | 45 | ZOI B300-10 - B300-15 |
| GTZZ | 20 | 691521.1 | 3722920.1 | <i>Cryptantha costata</i> | Population | | 3 plants in loose sand | 45 | ZOI B300-10 - B300-15 |
| GTZZ | 21 | 691780.8 | 3722930.5 | <i>Cryptantha costata</i> | Population | | 20 plants in dune | 45 | ZOI B300-10 - B300-15 |
| GTZZ | 23 | 692639.4 | 3721955.5 | <i>Cryptantha costata</i> | Population | | >>100 plants, dense cluster in dune | 45 | ZOI B300-10 - B300-15 |
| GTZZ | 24 | 692783.3 | 3721535.5 | <i>Cryptantha costata</i> | Population | | >>200 plants, abundant in dune swales | 45 | ZOI B300-10 - B300-15 |
| GTZZ | 25 | 693422.7 | 3721179.3 | <i>Cryptantha costata</i> | Population | | >>200 plants, abundant in dune swales | 45 | ZOI B300-10 - B300-15 |
| GTZZ | 27 | 693812.5 | 3721192.9 | <i>Cryptantha costata</i> | Population | | 30plants in loose sand, in dune swales | 45 | ZOI B300-10 - B300-15 |
| GTAA | 26 | 693430.4 | 3721180.6 | <i>Uma scoparia</i> | 1 individual | | Adult | 45 | ZOI B300-10 - B300-15 |
| GDZZ | 2 | 692332.4 | 3721385.9 | <i>Proboscidea althaeifolia</i> | 1 seed pod | | 2 m from B300-3 | 42 | ZOI B300-3 - B300-1 |
| GDZZ | 5 | 691676.4 | 3722193.2 | <i>Cryptantha costata</i> | Population | | 4 plants | 44 | ZOI B300-5 - B300-10 |
| GDZZ | 6 | 692283.3 | 3721961.5 | <i>Proboscidea althaeifolia</i> | 1 seed pod | | | 44 | ZOI B300-5 - B300-10 |
| GDZZ | 7 | 692303.5 | 3722609.6 | <i>Proboscidea althaeifolia</i> | 1 seed pod | | | 44 | ZOI B300-5 - B300-10 |
| GDZZ | 3 | 692424.4 | 3721049.2 | <i>Proboscidea althaeifolia</i> | 1 seed pod | | En route to truck from ZOI | 43 | ZOI B300-5 - B300-3 |
| GKZZ | 8 | 692859.9 | 3721502.6 | <i>Cryptantha costata</i> | Population | | Large amount in dunes in loose sand | 50 | ZOI B400-15 - B400-10 |
| GKZZ | 10 | 691785.3 | 3722957.3 | <i>Cryptantha costata</i> | Population | | Located in loose sand in lower dune | 50 | ZOI B400-15 - B400-10 |
| GKZZ | 9 | 692038.7 | 3722965.7 | <i>Proboscidea althaeifolia</i> | 2 seed pods | | | 50 | ZOI B400-15 - B400-10 |
| GKZZ | 15 | 694905.7 | 3721262.2 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | Population | | 13 plants | 54 | ZOI B500-10 - B500-15 |
| GKZZ | 11 | 691795.9 | 3722993.8 | <i>Cryptantha costata</i> | Population | | In loose sand | 54 | ZOI B500-10 - B500-15 |
| GKZZ | 14 | 692683.9 | 3722432.1 | <i>Cryptantha costata</i> | Population | | In dunes, abundant, clustered | 54 | ZOI B500-10 - B500-15 |
| GKAA | 13 | 692362.0 | 3723005.1 | <i>Uma scoparia</i> | 1 individual | | Burrowed in loose sand | 54 | ZOI B500-10 - B500-15 |
| GKAA | 12 | 692292.5 | 3723007.4 | <i>Vulpes macrotis</i> | Complex | | 5 burrows, scat present | 54 | ZOI B500-10 - B500-15 |
| GDA A | 15 | 692238.9 | 3722084.6 | <i>Lanius ludocianus</i> | 1 individual | | Perched in <i>Cercidium floridum</i> | 52 | ZOI B500-3 - B500-7 |

**Genesis Solar Energy Project
Preliminary Spring 2010 Biological Resources Field Survey Results**

| Label | Number | Easting | Northing | Species | Sign Type | Age | Comments | TT ID # | Location |
|-------|--------|----------|-----------|---|-----------------|-----|---|---------|-------------------------|
| GDZZ | 13 | 692493.0 | 3720997.9 | <i>Proboscidea althaeifolia</i> | 1 seed pod | | En route, just past <i>Cercidium floridum</i> drainage in open; pod is from 2009 | 52 | ZOI B500-3-B500-7 |
| GDZZ | 14 | 692473.6 | 3721080.1 | <i>Proboscidea althaeifolia</i> | 1 seed pod | | En route, 100 m north of GDZZ13 in <i>Larrea tridentata</i> shrub; pod is from 2009 | 52 | ZOI B500-3-B500-7 |
| GNZZ | 26 | 692661.4 | 3721217.8 | <i>Cryptantha costata</i> | Population | | 2000 plants over 100 -150ft area | 61 | ZOI C100 - C500 |
| GNZZ | 24 | 692577.8 | 3721088.9 | <i>Proboscidea althaeifolia</i> | 1 seed pod | | | 61 | ZOI C100 - C500 |
| GNZZ | 25 | 692751.2 | 3721125.5 | <i>Proboscidea althaeifolia</i> | 2 seed pods | | | 61 | ZOI C100 - C500 |
| GPAA | 12 | 694812.4 | 3718366.9 | <i>Uma scoparia</i> | 1 individual | | Juvenile | 69 | ZOI D1200-1 - D1200-4.5 |
| GBZZ | 11 | 694956.5 | 3720533.4 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | Population | | Several plants throughout 5 m area | 70 | ZOI D1200-7 - D1200-4.5 |
| GPZZ | 10 | 694804.9 | 3717952.3 | <i>Cryptantha costata</i> | Population | | Several plants in sandy micro dune | 71 | ZOI D2400-4.5 - D2400-1 |
| GPAA | 11 | 693914.4 | 3718629.5 | <i>Uma scoparia</i> | 1 individual | | Adult, edge of dunes | 71 | ZOI D2400-4.5 - D2400-1 |
| GBZZ | 8 | 695290.7 | 3720210.5 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | Population | | >15 plants, open sandy silt | 72 | ZOI D2400-4.5 - D2400-7 |
| GBZZ | 9 | 695323.2 | 3720573.6 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | Population | | 4 plants | 72 | ZOI D2400-4.5 - D2400-7 |
| GBZZ | 10 | 695275.8 | 3720639.4 | <i>Astragalus insularis</i> var. <i>harwoodii</i> | Population | | Along I-10 southern fence ROW | 72 | ZOI D2400-4.5 - D2400-7 |
| GBZZ | 6 | 696200.5 | 3719131.2 | <i>Cryptantha costata</i> | Population | | Several, in dunes | 72 | ZOI D2400-4.5 - D2400-7 |
| GBZZ | 7 | 695464.3 | 3719546.0 | <i>Cryptantha costata</i> | | | Plants across transects, sand dune areas | 72 | ZOI D2400-4.5 - D2400-7 |
| GLTC | 1 | 695141.3 | 3719047.2 | <i>Gopherus agassizii</i> | 1 bone fragment | >>4 | Bone fragment | 68 | ZOI D500-1 - D500-4 |