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June 3, 2009
File No.: 04.02.16.02
Project No. 357891

DOCKET
07-AFC-5

DATE	JUN 03 2009
RECD.	JUN 03 2009

Mr. John Kessler, Project Manager
California Energy Commission
Systems Assessment and Facilities Siting Division
1516 9th Street, MS 15
Sacramento, CA 95814-5504

RE: Supplemental Data Response, Set 2E
Ivanpah Solar Electric Generating System (07-AFC-5)

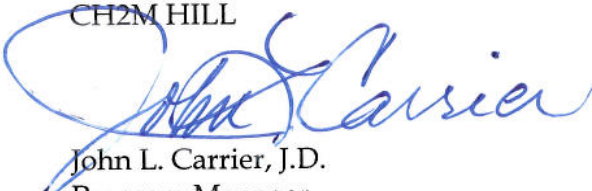
Dear Mr. Kessler:

On behalf of Solar Partners I, LLC, Solar Partners II, LLC, Solar Partners IV, LLC, and Solar Partners VIII, LLC, please find attached one original and four hard copies and five CD copies of the Supplemental Data Response, Set 2E.

Please call me if you have any questions.

Sincerely,

CH2M HILL



John L. Carrier, J.D.
Program Manager

Enclosure
c: POS List
Project File

Ivanpah Solar Electric Generating System (ISEGS)

(07-AFC-5)

Supplemental Data Response, Set 2E

(Response to Data Request: Biological Resources)

Submitted to the
California Energy Commission

Submitted by
**Solar Partners I, LLC; Solar Partners II, LLC; Solar Partners IV, LLC;
and Solar Partners VIII, LLC**

June 3, 2009

With Assistance from

CH2MHILL
2485 Natomas Park Drive
Suite 600
Sacramento, CA 95833

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Introduction

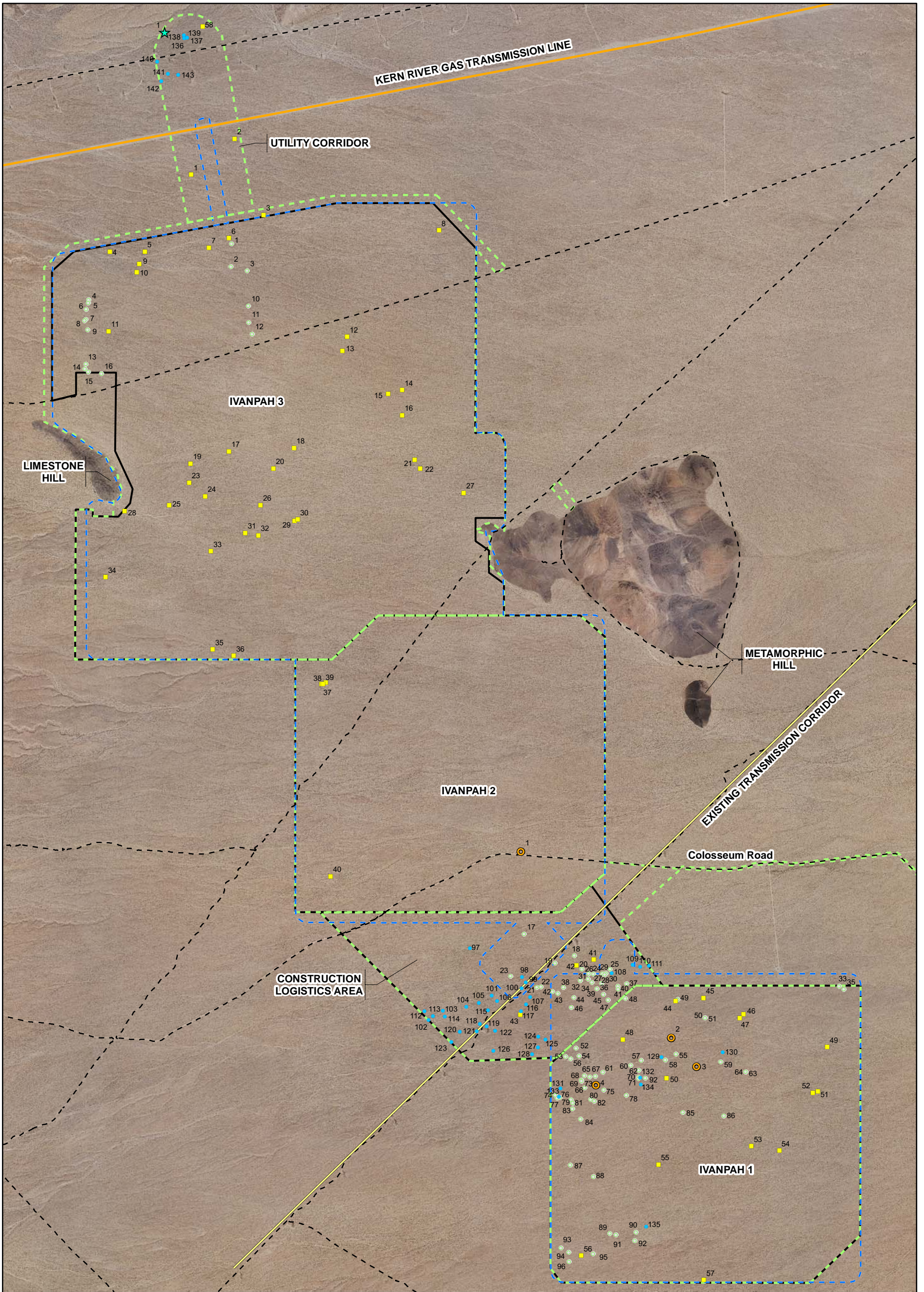
Attached is a supplemental response by Solar Partners I, LLC; Solar Partners II, LLC; Solar Partners IV, LLC; and Solar Partners VIII, LLC (Applicant) to the California Energy Commission (CEC) Staff's data request for the Ivanpah Solar Electric Generating System (Ivanpah SEGS) Project (07-AFC-5). This data request was the result of an email request received from Misa Ward Millron. As before, within each discipline area, the responses are presented in alphabetical order and are numbered for tracking and reference convenience. New graphics or tables are numbered in reference to the Supplemental Data Request number. For example, if a table were used in response to Data Request BR-7, it would be numbered Table BR7-1. The first figure used in response to Data Request BR-7 would be Figure BR7-1, and so on.

The Applicant looks forward to working cooperatively with the CEC and Bureau of Land Management (BLM) staff and the other resource agencies as the Ivanpah SEGS Project proceeds through the licensing process. We trust that these responses address the Staff's questions and we remain available to have any additional dialogue the Staff may require.

Biological Resources (BR-7)

BR-7 CH2M HILL has received an email request from Misa Ward Millron stating that CEC biology staff would “like to zoom in on the rare plant maps in the final botanical report as well as plot each species separately so we can distinguish the distributions in areas where there are clumps of different species.” She also said that it would be helpful to have the attribute table.

Response: The requested figures are attached as Figures BR7-1 through 4. The attributes table is Table BR7-1.



LEGEND

2007 Rare Plant Data

- Parish club-cholla (*Grusonia (=Opuntia) parishii*)

2008 Rare Plant Data

- Parish's club cholla (*Grusonia (=Opuntia) parishii*)
- Mojave milkweed (*Asclepias nyctaginifolia*)
- Small-flowered androstephium (*Androstephium breviflorum*)
- ★ Utah mortonia (*Mortonia utahensis*)

- ▭ Project Site
- ▭ Survey Area 2007
- ▭ Survey Area 2008

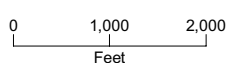
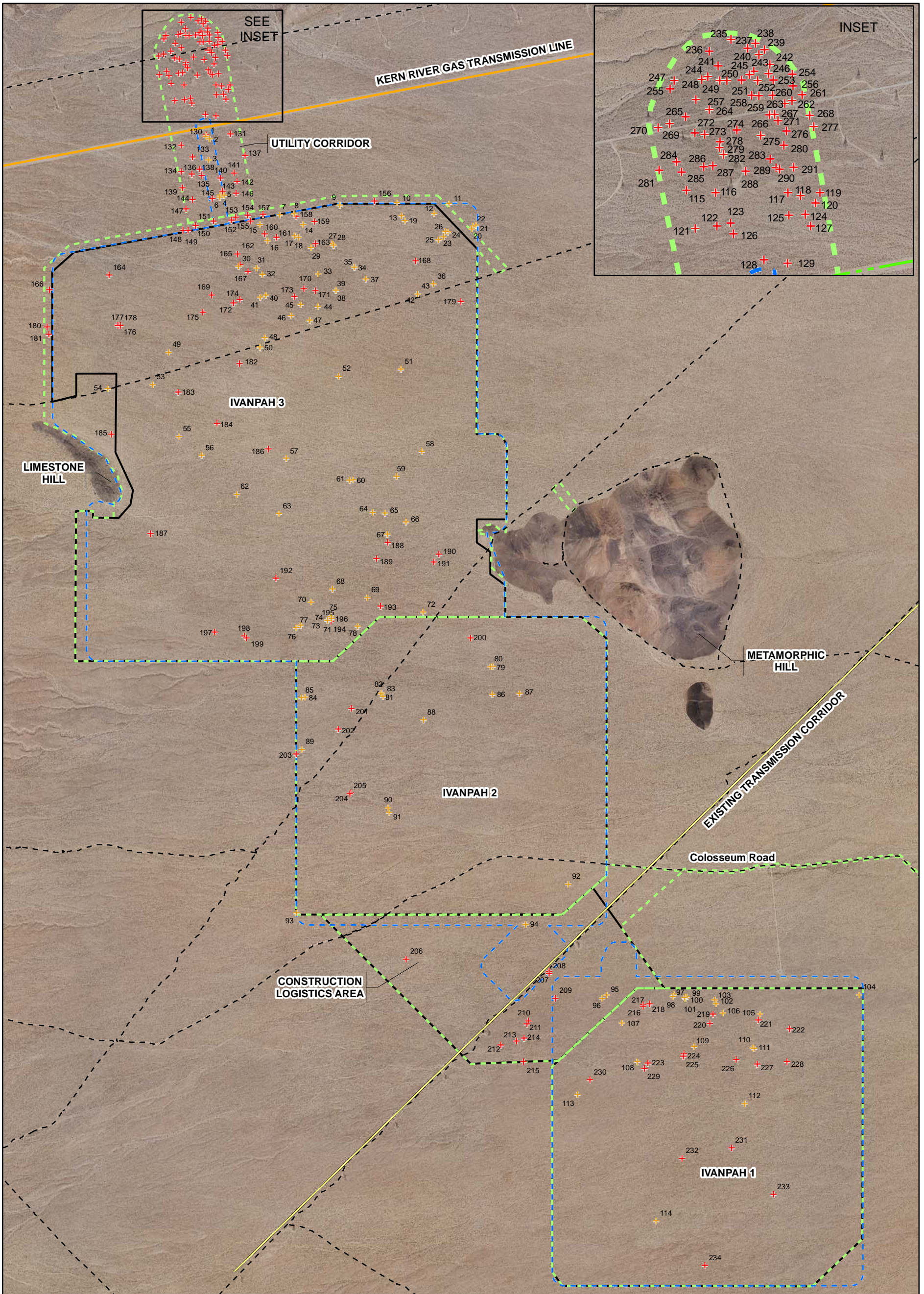


Figure BR7-1
Rare Plant Survey 2007-2008
 Ivanpah Solar Electric Generating System Project
 San Bernardino County, CA



LEGEND

- 2007 Rare Plant Data
 - + Desert pincushion (*Coryphantha chlorantha*)
 - 2008 Rare Plant Data
 - + Desert pincushion (*Coryphantha chlorantha*)
- Project Site
 - Survey Area 2008
 - Survey Area 2007

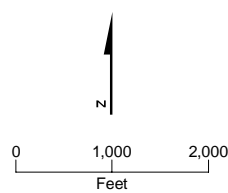
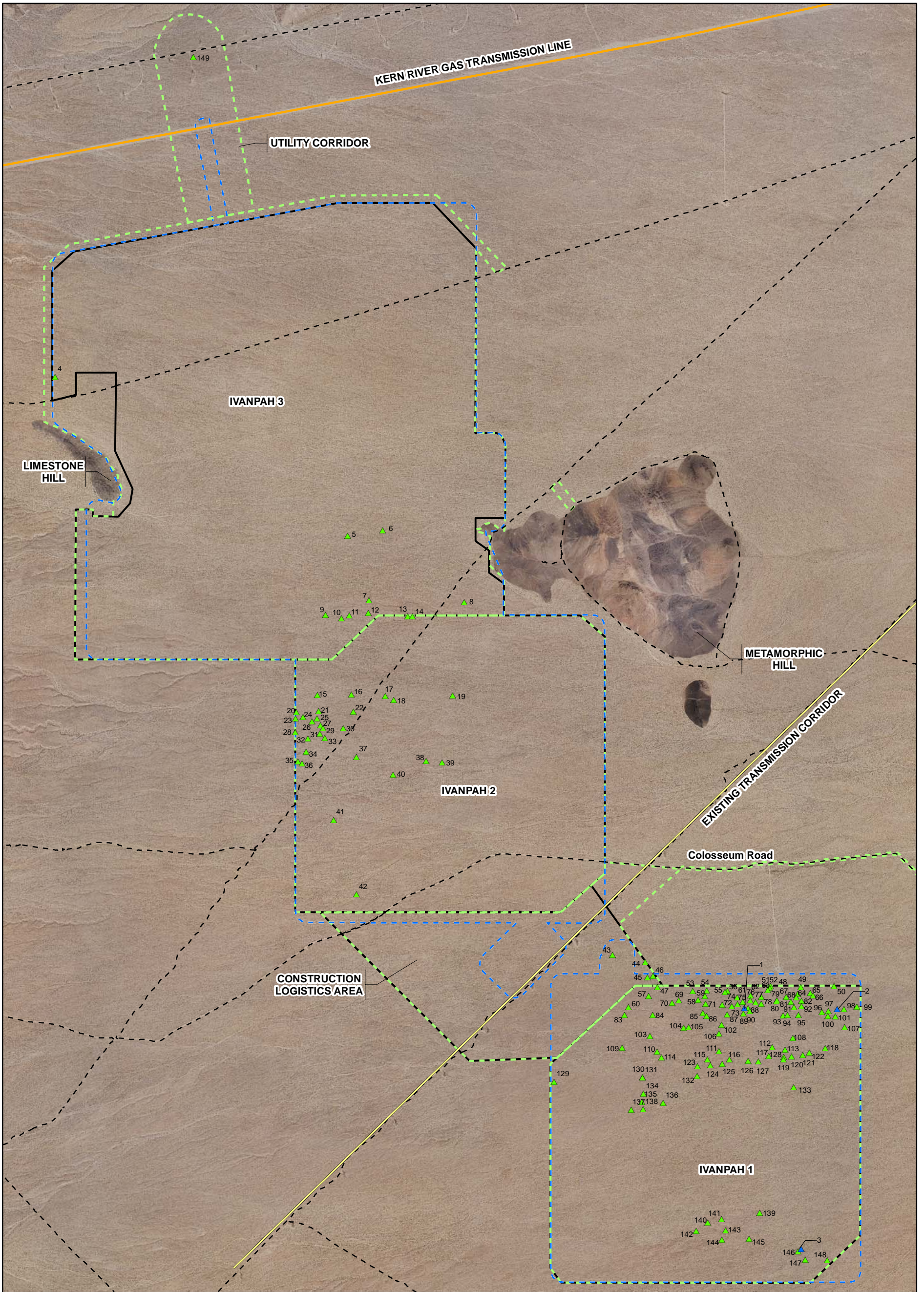


Figure BR7-2
Rare Plant Survey 2007-2008
 Ivanpah Solar Electric Generating System Project
 San Bernardino County, CA



LEGEND

2007 Rare Plant Data

▲ Utah vine milkweed (*Cynanchum utahense*)

2008 Rare Plant Data

▲ Utah vine milkweed (*Cynanchum utahense*)

- ▭ Project Site
- ▭ Survey Area 2007
- ▭ Survey Area 2008

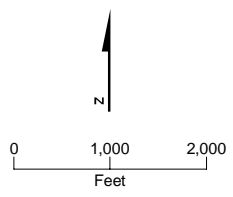
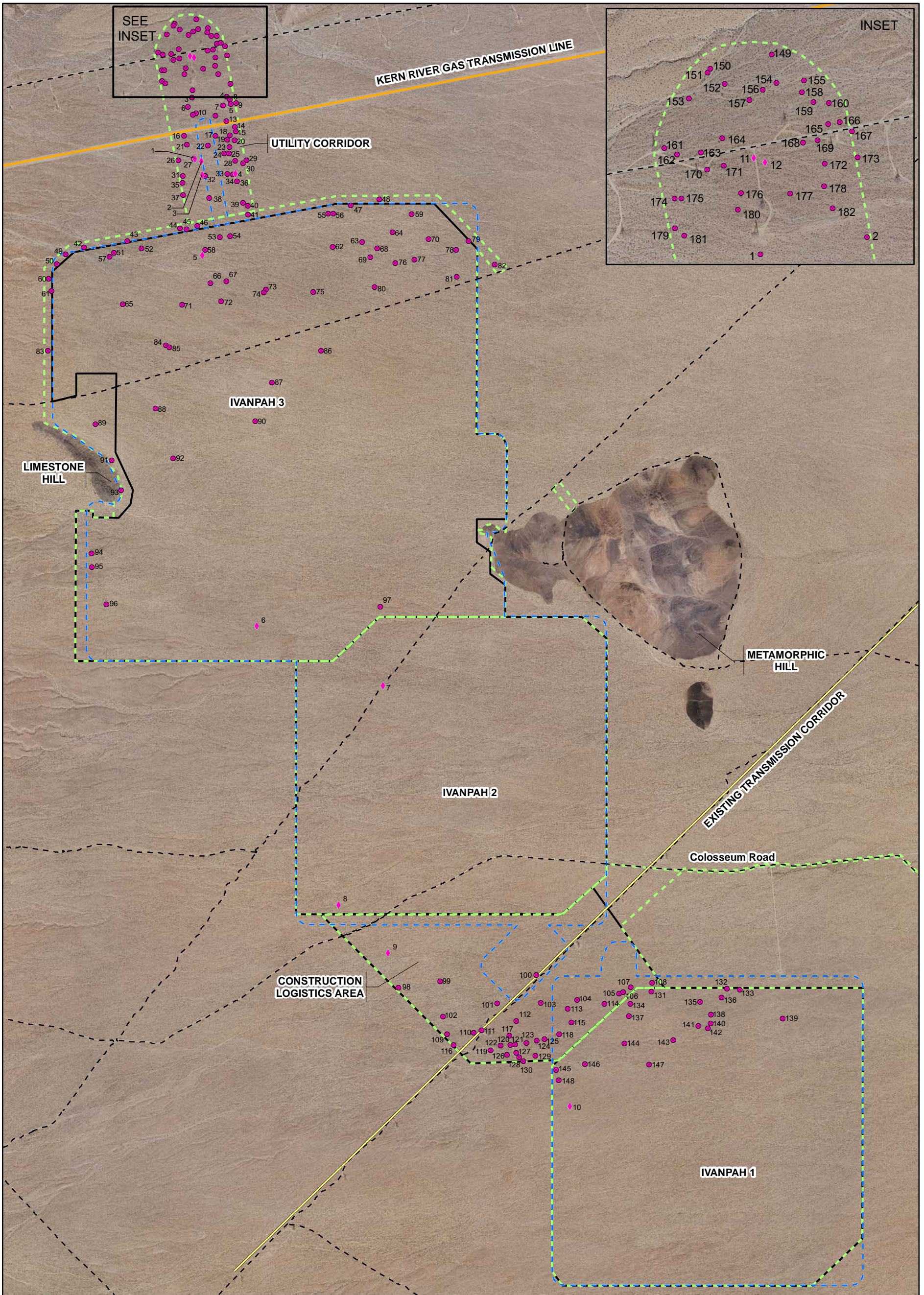


Figure BR7-3
Rare Plant Survey 2007-2008

Ivanpah Solar Electric Generating System Project
San Bernardino County, CA



LEGEND

2008 Rare Plant Data

- Nine-awned pappus grass
- ◆ Rusby's desert mallow

▭ Project Site

▭ Survey Area 2008

▭ Survey Area 2007

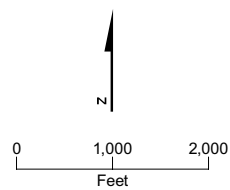


Figure BR7- 4
Rare Plant Survey 2007-2008
 Ivanpah Solar Electric Generating System Project
 San Bernardino County, CA

TABLE BR-1												
Summary of 2007 and 2008 Rare Plant Survey Data from Ivanpah Solar Generating System												
Scientific Name	Common Name	Population Size	Locality Identification Number	Latitude	Longitude	X Coordinate	Y Coordinate	Observer	Date Surveys Conducted	Survey Year	Habitat Type ¹	Plant Associates ¹
<i>Androstephium breviflorum</i>	Small-flowered androstephium	1	1	35.553029287	-115.464780484	7315759.205	2397112.792	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Androstephium breviflorum</i>	Small-flowered androstephium	8	2	35.541973173	-115.454208600	7319005.027	2393168.943	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Androstephium breviflorum</i>	Small-flowered androstephium	2	3	35.540259697	-115.452438361	7319547.342	2392558.752	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Androstephium breviflorum</i>	Small-flowered androstephium	1	4	35.539270216	-115.459668623	7317405.954	2392144.243	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	1	1	35.593006631	-115.487691829	7308582.04	2411489.738	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	3	2	35.595074932	-115.484543169	7309499.109	2412265.826	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	2	3	35.590589429	-115.482537832	7310136.051	2410648.432	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	2	4	35.588553010	-115.493618594	7306860.785	2409825.029	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	1	5	35.588550030	-115.491100426	7307609.355	2409842.623	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	8	6	35.589252387	-115.485058008	7309399.108	2410143.112	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	1	7	35.588701811	-115.486495088	7308976.941	2409932.065	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	1	8	35.589525223	-115.469977648	7313879.296	2410354.917	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	4	9	35.587829065	-115.491517765	7307491.847	2409577.159	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	3	10	35.587348626	-115.491696730	7307443.012	2409400.995	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	2	11	35.583900676	-115.493796728	7306850.054	2408130.677	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	1	12	35.583362241	-115.476670522	7311946.138	2408062.136	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	3	13	35.582545238	-115.477027379	7311847.518	2407762.159	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	2	14	35.580195702	-115.472797937	7313126.337	2406938.737	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	2	15	35.579975712	-115.473810956	7312827.193	2406851.109	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	35	16	35.578715697	-115.472814955	7313134.822	2406400.025	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	1	17	35.576757130	-115.485294925	7309442.466	2405594.217	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	5	18	35.576908511	-115.480611094	7310833.583	2405684.182	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	1	19	35.576091436	-115.488049341	7308629.635	2405331.486	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	4	20	35.575714261	-115.482118767	7310396.243	2405238.352	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	4	21	35.576083604	-115.471971911	7313409.546	2405448.493	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	7	22	35.575589985	-115.471586045	7313528.784	2405271.747	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	1	23	35.574974984	-115.488166187	7308605.052	2404924.332	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	1	24	35.574153384	-115.487037952	7308947.959	2404633.731	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	10	25	35.573647127	-115.489634087	7308180.707	2404430.209	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	3	26	35.573582895	-115.483081849	7310129.342	2404455.56	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	1	27	35.574106702	-115.468496800	7314460.821	2404755.094	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	2	28	35.573352666	-115.492832518	7307232.452	2404299.314	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	2	29	35.572610479	-115.480656349	7310859.339	2404119.761	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	2	30	35.572704850	-115.480417684	7310929.437	2404155.882	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	7	31	35.571958296	-115.484218561	7309806.185	2403855.895	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	3	32	35.571812408	-115.483268290	7310090.046	2403809.879	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	1	33	35.570915559	-115.486691700	7309080.37	2403458.037	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	3	34	35.569485136	-115.494282022	7306836.589	2402881.141	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	1	35	35.565156047	-115.486679185	7309136.508	2401362.205	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	1	36	35.564769373	-115.485165661	7309590.063	2401232.751	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	6	37	35.563126916	-115.478596896	7311558.231	2400683.993	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	4	38	35.563036111	-115.478909608	7311466.075	2400648.616	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	5	39	35.563035031	-115.478796271	7311499.786	2400649.068	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	1	40	35.551753470	-115.478475816	7311698.081	2396546.05	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	2	41	35.546639849	-115.459686638	7317332.805	2394825.919	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	2	42	35.546303699	-115.460919583	7316969.21	2394694.327	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	13	43	35.543490189	-115.465015958	7315776.742	2393639.731	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	1	44	35.544123561	-115.453850411	7319091.734	2393954.168	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	6	45	35.544284212	-115.451860487	7319682.085	2394027.629	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	1	46	35.543313836	-115.449010769	7320538.595	2393696.012	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	1	47	35.543082531	-115.449285619	7320458.986	2393609.765	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	2	48	35.541932904	-115.457680839	7317972.674	2393128.145	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms

TABLE BR-1												
Summary of 2007 and 2008 Rare Plant Survey Data from Ivanpah Solar Generating System												
Scientific Name	Common Name	Population Size	Locality Identification Number	Latitude	Longitude	X Coordinate	Y Coordinate	Observer	Date Surveys Conducted	Survey Year	Habitat Type ¹	Plant Associates ¹
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	2	49	35.541289207	-115.443035538	7322334.478	2393004.416	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	2	50	35.539635011	-115.454593648	7318912.055	2392315.185	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	1	51	35.538720450	-115.443765710	7322141.084	2392064.124	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	2	52	35.538634155	-115.444121879	7322035.946	2392030.027	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	7	53	35.535561540	-115.448603963	7320731.207	2390878.032	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	2	54	35.535277164	-115.446594318	7321331.597	2390789.73	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	4	55	35.534564396	-115.455265890	7318758.833	2390464.93	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	2	56	35.529301037	-115.460921593	7317124.937	2388507.048	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	4	57	35.527767483	-115.452147549	7319749.09	2388015.048	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Asclepias nyctaginifolia</i>	Mojave milkweed	1	58	35.601675465	-115.486696066	7308799.125	2414651.824	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	4	115	35.598354399	-115.489054902	7308128.255	2413425.724	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	2	116	35.598286886	-115.488130272	7308403.688	2413408.023	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	4	117	35.598249443	-115.485843302	7309083.766	2413411.395	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	2	118	35.598171476	-115.485456832	7309199.343	2413385.895	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	2	119	35.598241521	-115.484841693	7309381.537	2413415.961	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	3	120	35.597982948	-115.484982257	7309342.113	2413320.818	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	121	35.597365169	-115.488790901	7308215.717	2413067.692	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	122	35.597424147	-115.488107123	7308418.416	2413094.234	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	3	123	35.597502457	-115.487670139	7308547.586	2413125.979	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	124	35.597681880	-115.485826611	7309093.894	2413204.976	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	125	35.597699887	-115.485316195	7309245.437	2413215.325	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	3	126	35.597217049	-115.487588519	7308574.442	2413022.722	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	127	35.597392321	-115.485152398	7309296.923	2413104.616	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	3	128	35.596536194	-115.486641709	7308862.055	2412781.988	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	2	129	35.596440798	-115.485887640	7309087.053	2412752.879	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	6	130	35.595321642	-115.486591854	7308887.927	2412340.37	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	131	35.595362063	-115.484871230	7309398.983	2412367.875	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	132	35.594768593	-115.488405559	7308353.865	2412125.632	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	4	133	35.594055951	-115.487606133	7308597.966	2411872.233	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	134	35.593213608	-115.488440514	7308357.618	2411559.496	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	2	135	35.593326621	-115.487107585	7308752.789	2411610.527	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	3	136	35.593048588	-115.487679983	7308585.179	2411505.094	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	137	35.594090631	-115.483835230	7309718.5	2411912.896	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	138	35.592968146	-115.486952448	7308802.164	2411481.228	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	139	35.592264459	-115.48835478	7308391.526	2411214.723	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	3	140	35.592791026	-115.485635031	7309195.366	2411426.567	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	141	35.593089891	-115.484652329	7309484.744	2411542.637	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	2	142	35.592595489	-115.484450151	7309549.343	2411364.223	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	2	143	35.592024186	-115.485480950	7309248.148	2411148.652	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	144	35.591568650	-115.487660697	7308604.376	2410966.673	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	145	35.591607665	-115.486250702	7309023.135	2410991.352	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	146	35.591885746	-115.484536849	7309530.037	2411105.295	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	147	35.591012907	-115.488127366	7308470.715	2410760.965	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	2	148	35.589773787	-115.488370665	7308409.665	2410308.229	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	149	35.589755728	-115.487996191	7308521.142	2410304.439	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	150	35.590036190	-115.487448495	7308681.395	2410410.572	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	151	35.590282970	-115.486183068	7309055.298	2410509.785	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	152	35.590314113	-115.484887483	7309440.127	2410530.753	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	153	35.590506942	-115.484583832	7309528.631	2410603.185	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	2	154	35.590597286	-115.483715381	7309785.954	2410642.524	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	155	35.590638673	-115.482621652	7310110.687	2410665.728	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	156	35.591300821	-115.474623643	7312482.027	2410966.337	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	157	35.590257648	-115.483534484	7309842.821	2410520.273	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	158	35.590495119	-115.480268879	7310811.355	2410631.014	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	159	35.590155137	-115.478958325	7311204.02	2410517.061	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	160	35.589490246	-115.482533657	7310147.312	2410248.459	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms

TABLE BR-1												
Summary of 2007 and 2008 Rare Plant Survey Data from Ivanpah Solar Generating System												
Scientific Name	Common Name	Population Size	Locality Identification Number	Latitude	Longitude	X Coordinate	Y Coordinate	Observer	Date Surveys Conducted	Survey Year	Habitat Type ¹	Plant Associates ¹
<i>Coryphantha chlorantha</i>	Desert pincushion	1	161	35.589270307	-115.481695632	7310398.423	2410174.663	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	162	35.588350337	-115.484486715	7309577.144	2409819.098	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	163	35.588889398	-115.478918855	7311227.308	2410056.742	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	164	35.587219801	-115.493697710	7306849.367	2409339.274	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	165	35.587712551	-115.484305445	7309636.838	2409588.35	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	2	166	35.586427920	-115.497987984	7305581.205	2409019.321	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	2	167	35.587297691	-115.483764791	7309801.332	2409441.403	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	2	168	35.587767621	-115.471755199	7313367.007	2409702.013	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	169	35.585972099	-115.486401535	7309029.596	2408939.393	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	170	35.586264391	-115.479779084	7310995.556	2409095.064	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	171	35.586136953	-115.478962491	7311239.464	2409054.777	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	172	35.585671237	-115.484369104	7309636.51	2408845.024	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	173	35.585800554	-115.480481730	7310790.916	2408921.032	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	174	35.585487136	-115.484831524	7309500.724	2408774.587	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	175	35.584979319	-115.487038846	7308849.18	2408573.373	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	176	35.584295223	-115.493120802	7307047.408	2408279.269	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	177	35.584283288	-115.493121363	7307047.35	2408274.921	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	178	35.584271093	-115.492951157	7307098.058	2408271.745	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	3	179	35.585368481	-115.468562625	7314338.018	2408852.838	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	180	35.584265077	-115.498198145	7305538.326	2408230.685	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	3	181	35.583819195	-115.498077582	7305578.206	2408069.317	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	182	35.581948154	-115.484477455	7309638.214	2407489.355	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	183	35.580333421	-115.488901015	7308337.859	2406868.851	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	184	35.578456899	-115.486143284	7309174.777	2406206.466	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	185	35.577931139	-115.493711077	7306929.693	2405958.943	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	186	35.576922584	-115.482489888	7310274.893	2405675.306	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	187	35.572089197	-115.491020977	7307782.524	2403852.969	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	188	35.571348592	-115.474070300	7312829.003	2403709.705	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	189	35.570406950	-115.474875387	7312598.247	2403361.02	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	190	35.570606348	-115.470423832	7313919.962	2403466.868	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	2	191	35.570163907	-115.470774686	7313819.698	2403303.236	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	192	35.569349140	-115.482098134	7310460.412	2402922.194	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	193	35.567627656	-115.474644958	7312692.174	2402351.341	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	194	35.566957916	-115.478192908	7311643.372	2402081.129	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	195	35.566853243	-115.478452483	7311567.147	2402041.101	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	196	35.566795036	-115.478212279	7311639.1	2402021.711	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	197	35.566283422	-115.486531970	7309170.021	2401773.559	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	2	198	35.566000945	-115.484408406	7309804.008	2401686.563	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	199	35.565901823	-115.484271817	7309845.524	2401651.508	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	200	35.565694759	-115.468242669	7314613.494	2401695.847	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	201	35.561659516	-115.476834780	7312095.599	2400163.149	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	202	35.560485008	-115.477818842	7311813.712	2399728.395	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	203	35.559067780	-115.480852979	7310924.416	2399190.029	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	204	35.556733234	-115.476979140	7312097.68	2398369.376	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	205	35.556707831	-115.477043091	7312078.895	2398359.654	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	206	35.546971361	-115.473193288	7313312.802	2394845.287	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	207	35.546133303	-115.463000922	7316351.769	2394616.687	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	208	35.546009377	-115.462992720	7316355.347	2394571.651	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	209	35.544552182	-115.462562212	7316496.773	2394044.609	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	210	35.543260341	-115.464515796	7315927.61	2393559.842	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	2	211	35.543068784	-115.464644372	7315891.127	2393489.17	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	212	35.541868328	-115.466521029	7315343.986	2393038.246	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	213	35.542104706	-115.465393286	7315677.234	2393132.722	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	3	214	35.542247527	-115.464868033	7315832.145	2393188.635	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	215	35.540888732	-115.464929414	7315826.362	2392693.709	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	216	35.544086904	-115.456292150	7318365.862	2393922.438	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms

TABLE BR-1												
Summary of 2007 and 2008 Rare Plant Survey Data from Ivanpah Solar Generating System												
Scientific Name	Common Name	Population Size	Locality Identification Number	Latitude	Longitude	X Coordinate	Y Coordinate	Observer	Date Surveys Conducted	Survey Year	Habitat Type ¹	Plant Associates ¹
<i>Coryphantha chlorantha</i>	Desert pincushion	1	217	35.544022238	-115.456297862	7318364.758	2393898.863	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	218	35.544130081	-115.455819790	7318505.951	2393941.706	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	219	35.543468322	-115.451319000	7319850.66	2393734.811	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	220	35.542954075	-115.451557138	7319784.58	2393545.88	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	221	35.543091021	-115.448089550	7320814.64	2393621.886	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	222	35.542547714	-115.445857913	7321483.395	2393441.039	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	223	35.540673362	-115.456030244	7318475.202	2392682.221	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	224	35.541191986	-115.453439237	7319241.056	2392890.467	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	225	35.541047092	-115.453492195	7319226.641	2392837.341	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	226	35.540793534	-115.449703695	7320355.781	2392773.645	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	227	35.540523080	-115.448219608	7320799.687	2392686.432	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	228	35.540638964	-115.446082678	7321434.197	2392744.748	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	229	35.540366203	-115.456278670	7318404.142	2392568.576	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	230	35.539755356	-115.460199876	7317243.48	2392316.791	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	231	35.535659696	-115.450151680	7320269.94	2390902.066	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	232	35.535075932	-115.453692979	7319221.979	2390662.928	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	233	35.532883249	-115.447199969	7321173.577	2389914.012	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	234	35.528801414	-115.452184782	7319728.476	2388391.013	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	19	235	35.602231583	-115.487576206	7308532.48	2414847.66	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	2	236	35.601946059	-115.488258977	7308332.153	2414738.682	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	4	237	35.601993882	-115.487052531	7308690.283	2414765.05	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	17	238	35.602122870	-115.486808674	7308761.585	2414813.802	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	8	239	35.601953913	-115.486523891	7308847.763	2414754.434	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	14	240	35.601824742	-115.486703076	7308795.683	2414706.095	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	18	241	35.601559508	-115.487987554	7308416.338	2414600.028	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	9	242	35.601569155	-115.486356160	7308901.116	2414615.663	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	243	35.601412073	-115.486868368	7308750.312	2414554.691	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	2	244	35.601283602	-115.488320384	7308319.927	2414497.15	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	6	245	35.601320844	-115.487002899	7308711.159	2414520.492	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	4	246	35.601327635	-115.486401752	7308889.764	2414527.432	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	247	35.601187225	-115.489381274	7308005.496	2414454.199	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	2	248	35.601212026	-115.488511641	7308263.735	2414469.682	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	12	249	35.601180007	-115.487947814	7308431.602	2414462.219	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	3	250	35.601169404	-115.487725204	7308497.86	2414460.014	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	16	251	35.601182548	-115.487257996	7308636.6	2414468.269	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	2	252	35.601163183	-115.486747880	7308788.388	2414465.013	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	3	253	35.601163149	-115.486255834	7308934.63	2414468.658	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	254	35.601314359	-115.485648883	7309113.645	2414528.198	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	4	255	35.600979100	-115.489519665	7307966.256	2414377.432	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	7	256	35.601015098	-115.485639696	7309119.101	2414419.362	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	257	35.600695196	-115.488715198	7308207.935	2414280.09	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	4	258	35.600777633	-115.486944054	7308733.591	2414323.249	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	10	259	35.600771147	-115.486718001	7308800.836	2414322.568	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	6	260	35.600775008	-115.486290099	7308927.979	2414327.154	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	10	261	35.600783399	-115.485359432	7309204.508	2414337.128	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	262	35.600631447	-115.485674886	7309112.135	2414279.485	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	263	35.600554461	-115.485905992	7309044.148	2414249.751	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	264	35.600436571	-115.488287423	7308337.427	2414189.151	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	11	265	35.600255394	-115.489046879	7308113.354	2414117.578	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	3	266	35.600272359	-115.486391388	7308902.45	2414143.482	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	5	267	35.600274760	-115.486239613	7308947.537	2414145.484	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	7	268	35.600249583	-115.485124837	7309279.094	2414144.611	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	2	269	35.600082999	-115.489548421	7307965.856	2414051.117	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	8	270	35.599993992	-115.489915723	7307857.497	2414015.999	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	11	271	35.600125302	-115.486130562	7308981.31	2414091.905	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	272	35.599844148	-115.488760205	7308202.298	2413970.049	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms

TABLE BR-1												
Summary of 2007 and 2008 Rare Plant Survey Data from Ivanpah Solar Generating System												
Scientific Name	Common Name	Population Size	Locality Identification Number	Latitude	Longitude	X Coordinate	Y Coordinate	Observer	Date Surveys Conducted	Survey Year	Habitat Type ¹	Plant Associates ¹
<i>Coryphantha chlorantha</i>	Desert pincushion	5	273	35.599787028	-115.488446706	7308295.994	2413951.591	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	11	274	35.599896241	-115.487425408	7308598.546	2413998.923	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	3	275	35.599747781	-115.486680455	7308821.309	2413950.433	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	11	276	35.599841064	-115.485865709	7309062.615	2413990.437	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	3	277	35.599947868	-115.485007247	7309316.791	2414035.688	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	4	278	35.599595250	-115.487968283	7308439.934	2413885.355	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	2	279	35.599449385	-115.487994017	7308433.612	2413832.082	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	280	35.599484178	-115.485952186	7309040.162	2413859.919	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	5	281	35.599099357	-115.489349364	7308033.962	2413694.636	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	2	282	35.599264958	-115.487866474	7308473.198	2413765.914	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	5	283	35.599143293	-115.486397799	7308910.821	2413732.554	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	284	35.598894805	-115.489903586	7307871.096	2413616.082	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	4	285	35.598826830	-115.489200012	7308080.83	2413596.569	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	286	35.598963057	-115.488491258	7308290.246	2413651.408	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	4	287	35.598983194	-115.488208313	7308374.159	2413660.837	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	4	288	35.598828453	-115.487176883	7308682.128	2413612.189	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	4	289	35.598902502	-115.486216440	7308966.916	2413646.276	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	2	290	35.598865451	-115.486100326	7309001.765	2413633.656	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	291	35.598912985	-115.485657202	7309133.037	2413654.249	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	3	4	35.581273950	-115.497679276	7305719.675	2407146.025	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	2	5	35.571715544	-115.476868114	7311993.81	2403822.345	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	6	6	35.571983231	-115.474344955	7312741.539	2403938.602	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	7	35.567901723	-115.475400001	7312465.17	2402445.435	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	4	8	35.567707444	-115.468576346	7314495.83	2402425.773	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	4	9	35.567068915	-115.478541573	7311538.688	2402118.92	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	2	10	35.566872779	-115.477403336	7311878.916	2402056.039	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	15	11	35.567040727	-115.476839020	7312045.172	2402121.368	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	12	35.567152239	-115.475469519	7312451.352	2402172.174	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	4	13	35.566917117	-115.472633891	7313296.63	2402107.804	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	2	14	35.566920677	-115.472308332	7313393.397	2402111.534	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	15	35.562392958	-115.479206798	7311383.577	2400412.352	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	8	16	35.562397864	-115.476762140	7312110.453	2400432.38	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	4	17	35.562271306	-115.474340004	7312831.834	2400404.417	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	18	35.562050656	-115.473733426	7313014.219	2400328.655	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	19	35.562237473	-115.469502282	7314270.643	2400428.292	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	5	20	35.561425550	-115.480740812	7310936.262	2400048.869	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	12	21	35.561443804	-115.479133977	7311413.895	2400067.493	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	22	35.561382676	-115.476653527	7312152.025	2400063.759	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	23	35.561041854	-115.480798378	7310922.645	2399908.811	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	8	24	35.561129731	-115.480254448	7311083.583	2399944.845	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	6	25	35.561015167	-115.479247125	7311384.162	2399910.666	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	15	26	35.560853514	-115.479613622	7311276.658	2399849.107	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	27	35.560622090	-115.479015216	7311456.71	2399769.354	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	28	35.560230264	-115.480837491	7310918.418	2399613.178	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	29	35.560423686	-115.478836713	7311511.6	2399698.485	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	6	30	35.560431307	-115.477391176	7311941.372	2399712.045	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	6	31	35.560115153	-115.479076480	7311443.12	2399584.42	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	2	32	35.559848594	-115.479932430	7311191.028	2399481.034	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	2	33	35.559880133	-115.478722201	7311550.614	2399501.538	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	3	34	35.559071854	-115.480072400	7311156.494	2399197.331	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	3	35	35.558518372	-115.480681502	7310980.419	2398991.375	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	36	35.558408724	-115.480372209	7311073.392	2398953.779	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	8	37	35.558725441	-115.476483826	7312226.768	2399098.047	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	15	38	35.558427856	-115.471484855	7313716.005	2399027.119	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	4	39	35.558331784	-115.470330232	7314060.229	2399000.798	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	40	35.557679894	-115.473870672	7313013.389	2398737.09	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms

TABLE BR-1												
Summary of 2007 and 2008 Rare Plant Survey Data from Ivanpah Solar Generating System												
Scientific Name	Common Name	Population Size	Locality Identification Number	Latitude	Longitude	X Coordinate	Y Coordinate	Observer	Date Surveys Conducted	Survey Year	Habitat Type ¹	Plant Associates ¹
<i>Cynanchum utahense</i>	Utah vine milkweed	1	41	35.555058737	-115.478185952	7311754.1	2397751.012	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	42	35.550673998	-115.476618441	7312260.307	2396167.091	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	6	43	35.546896579	-115.458342223	7317730.279	2394929.453	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	9	44	35.546421377	-115.455983213	7318436.239	2394774.279	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	2	45	35.545547527	-115.455854468	7318482.579	2394457.254	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	46	35.545614859	-115.455434059	7318606.992	2394484.922	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	2	47	35.544973724	-115.455147591	7318698.099	2394253.77	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	20	48	35.544906009	-115.447024057	7321114.759	2394290.408	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	5	49	35.544818142	-115.444852433	7321761.438	2394274.848	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	3	50	35.544855231	-115.442473765	7322468.538	2394306.34	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	8	51	35.544831099	-115.447125156	7321085.383	2394262.384	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	6	52	35.544688692	-115.447232085	7321054.898	2394209.755	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	53	35.544694861	-115.452615245	7319453.821	2394171.373	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	8	54	35.544722422	-115.451603139	7319754.58	2394189.034	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	20	55	35.544673853	-115.450117669	7320196.826	2394182.567	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	14	56	35.544613436	-115.450297633	7320143.86	2394159.223	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	8	57	35.544452827	-115.455782933	7318513.939	2394059.431	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	6	58	35.544179051	-115.452236645	7319571.18	2393986.525	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	6	59	35.544399107	-115.451739298	7319717.068	2394070.353	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	6	60	35.543823607	-115.457243616	7318085.305	2393819.462	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	6	61	35.544300059	-115.449436730	7320402.798	2394051.682	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	15	62	35.544387185	-115.448481609	7320686.059	2394090.599	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	8	63	35.544281531	-115.447701787	7320918.966	2394058.041	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	9	64	35.544423920	-115.445087558	7321695.156	2394129.612	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	53	65	35.544474837	-115.444176415	7321965.671	2394155.032	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	3	66	35.544335005	-115.443986415	7322023.474	2394105.584	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	9	67	35.544282600	-115.445914127	7321450.631	2394071.937	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	23	68	35.544235111	-115.445211544	7321660.028	2394059.967	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	3	69	35.544163143	-115.453642190	7319153.297	2393970.14	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	4	70	35.544017272	-115.454112731	7319014.696	2393913.512	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	5	71	35.543955252	-115.451711193	7319729.522	2393909.046	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	9	72	35.543891519	-115.450530565	7320081.248	2393894.76	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	15	73	35.543761354	-115.449818107	7320294.346	2393852.769	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	10	74	35.543884069	-115.449419270	7320411.833	2393900.436	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	7	75	35.544021113	-115.449027975	7320526.944	2393953.26	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	31	76	35.544115223	-115.448508627	7320680.537	2393991.428	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	77	35.543989963	-115.448122493	7320796.536	2393948.762	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	30	78	35.543880693	-115.447711831	7320919.683	2393912.1	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	10	79	35.544040305	-115.446640557	7321236.821	2393978.276	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	6	80	35.544091103	-115.446591089	7321251.063	2393997.136	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	4	81	35.543988910	-115.445590991	7321549.452	2393967.506	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	2	82	35.544035830	-115.444819101	7321778.59	2393990.417	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	3	83	35.543350757	-115.457538485	7318001.96	2393645.173	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	6	84	35.543322071	-115.455512645	7318604.745	2393649.984	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	3	85	35.543405806	-115.451917964	7319673.095	2393707.544	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	2	86	35.543239436	-115.451659373	7319751.54	2393648.952	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	13	87	35.543288743	-115.450183228	7320190.117	2393678.031	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	15	88	35.543653902	-115.448667820	7320637.452	2393822.351	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	6	89	35.543334271	-115.449013942	7320537.462	2393703.424	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	17	90	35.543477819	-115.448534718	7320678.666	2393759.28	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	4	91	35.543647526	-115.445370158	7321618.289	2393844.947	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	6	92	35.543722884	-115.444825413	7321779.608	2393876.488	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	6	93	35.543185944	-115.446170689	7321384.467	2393670.926	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	8	94	35.543223195	-115.445853363	7321478.501	2393686.88	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	4	95	35.543192113	-115.445060562	7321714.582	2393681.563	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	5	96	35.543345283	-115.443389162	7322210.267	2393749.944	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms

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Summary of 2007 and 2008 Rare Plant Survey Data from Ivanpah Solar Generating System												
Scientific Name	Common Name	Population Size	Locality Identification Number	Latitude	Longitude	X Coordinate	Y Coordinate	Observer	Date Surveys Conducted	Survey Year	Habitat Type ¹	Plant Associates ¹
<i>Cynanchum utahense</i>	Utah vine milkweed	7	97	35.543400700	-115.442915867	7322350.52	2393773.691	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	8	98	35.543493964	-115.441790546	7322684.345	2393816.148	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	18	99	35.543641533	-115.440869346	7322956.958	2393876.824	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	6	100	35.543121304	-115.442965712	7322338.282	2393671.642	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	19	101	35.543084981	-115.442427359	7322498.734	2393662.499	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	7	102	35.542689192	-115.450587731	7320075.345	2393456.802	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	2	103	35.542094882	-115.455744301	7318547.152	2393201.665	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	4	104	35.542562676	-115.453298968	7319270.136	2393390.317	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	21	105	35.542602213	-115.452954278	7319372.289	2393407.303	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	3	106	35.542186521	-115.450786777	7320020.785	2393272.379	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	4	107	35.542454079	-115.441765404	7322701.456	2392747.925	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	4	108	35.541856290	-115.445498989	7321596.542	2393192.143	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	5	109	35.541445838	-115.457752199	7317955.933	2392950.365	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	2	110	35.541198610	-115.455229782	7318708.441	2392879.387	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	3	111	35.541164401	-115.450787683	7320029.95	2392900.423	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	10	112	35.541322816	-115.446989909	7321158.04	2392986.744	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	113	35.541164327	-115.446075255	7321431.546	2392935.983	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	3	114	35.540840632	-115.454938567	7318798.355	2392751.312	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	14	115	35.540697710	-115.451636336	7319781.846	2392724.193	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	50	116	35.540648088	-115.450062066	7320250.535	2392718.012	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	7	117	35.540832309	-115.447243462	7321087.162	2392806.334	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	4	118	35.541242662	-115.443170061	7322294.899	2392986.46	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	119	35.540751827	-115.446154717	7321411.727	2392785.274	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	2	120	35.540762921	-115.445594764	7321578.169	2392793.544	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	121	35.540859052	-115.444784171	7321818.372	2392834.655	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	7	122	35.540991660	-115.444322039	7321954.595	2392886.406	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	12	123	35.540301748	-115.452370444	7319567.155	2392574.567	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	124	35.540323413	-115.451443213	7319842.74	2392589.443	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	9	125	35.540430374	-115.450583529	7320097.447	2392634.851	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	4	126	35.540541854	-115.448724539	7320649.333	2392689.451	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	2	127	35.540518046	-115.447996490	7320866.095	2392686.285	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	128	35.540604530	-115.446191183	7321402.243	2392731.397	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	129	35.539522607	-115.462671144	7316510.586	2392213.526	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	130	35.539682571	-115.456326403	7318396.242	2392319.443	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	131	35.539667853	-115.456320237	7318398.211	2392314.134	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	132	35.539712761	-115.452387342	7319567.563	2392360.107	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	2	133	35.538980670	-115.445482788	7321627.96	2392145.831	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	5	134	35.538728905	-115.456266927	7318422.716	2391972.852	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	4	135	35.538251106	-115.456384798	7318392.058	2391798.094	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	5	136	35.538171493	-115.454873790	7318842.22	2391780.502	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	5	137	35.537788846	-115.457160713	7318165.529	2391624.038	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	138	35.537813657	-115.456320342	7318415.259	2391639.392	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	8	139	35.531640009	-115.448064210	7320927.993	2389455.071	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	3	140	35.531108706	-115.451809046	7319818.956	2389233.465	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	141	35.531301929	-115.450804465	7320115.997	2389311.357	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	8	142	35.530644483	-115.452628067	7319579.611	2389058.359	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	8	143	35.530627783	-115.450530753	7320203.64	2389068.102	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	4	144	35.530094460	-115.450814221	7320124.241	2388871.888	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	145	35.530130934	-115.448860270	7320705.137	2388899.91	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	14	146	35.529346989	-115.445360674	7321753.397	2388641.08	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	15	147	35.528833009	-115.444844762	7321911.62	2388457.945	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	5	148	35.528806842	-115.443277620	7322378.039	2388460.28	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	149	35.599882965	-115.487416275	7308601.382	2413994.159	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	3	1	35.597967145	-115.487542474	7308581.304	2413296.033	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	61	2	35.598293125	-115.484814798	7309389.061	2413434.94	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	45	3	35.597526919	-115.487582036	7308573.55	2413135.536	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms

TABLE BR7-1												
Summary of 2007 and 2008 Rare Plant Survey Data from Ivanpah Solar Generating System												
Scientific Name	Common Name	Population Size	Locality Identification Number	Latitude	Longitude	X Coordinate	Y Coordinate	Observer	Date Surveys Conducted	Survey Year	Habitat Type ¹	Plant Associates ¹
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	35	4	35.597542003	-115.485091263	7309313.73	2413159.542	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	96	5	35.597381071	-115.484866739	7309381.93	2413102.647	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	63	6	35.596993320	-115.487878028	7308490.428	2412939.154	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	415	7	35.597054034	-115.485365348	7309236.709	2412979.926	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	23	8	35.597142454	-115.484815948	7309399.199	2413016.19	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	47	9	35.597161171	-115.484421681	7309516.215	2413025.934	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	260	10	35.596625863	-115.487311660	7308662.111	2412809.641	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	56	11	35.596526714	-115.487543547	7308594.09	2412771.836	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	20	12	35.596438600	-115.485930325	7309074.386	2412751.762	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	17	13	35.596114196	-115.485136149	7309313.392	2412639.614	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	22	14	35.595770313	-115.484543646	7309492.633	2412518.879	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	1	15	35.595511090	-115.484472549	7309516.127	2412425.073	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	50	16	35.595309993	-115.488189766	7308413.082	2412324.256	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	75	17	35.595290200	-115.485952087	7309078.373	2412333.685	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	30	18	35.595305606	-115.484903605	7309389.875	2412347.089	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	128	19	35.595035551	-115.485094715	7309335.53	2412247.391	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	35	20	35.595005953	-115.484572296	7309491.08	2412240.507	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	20	21	35.594795355	-115.487989390	7308477.322	2412138.463	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	48	22	35.594707738	-115.486506767	7308918.805	2412117.597	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	12	23	35.594603431	-115.484955013	7309380.99	2412091.178	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	30	24	35.594221448	-115.485328498	7309273.455	2411949.392	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	94	25	35.594233153	-115.484985467	7309375.31	2411956.203	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	55	26	35.593894316	-115.488629753	7308295.178	2411805.808	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	24	27	35.593971861	-115.487520360	7308624.225	2411842.269	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	37	28	35.593792004	-115.484565906	7309504.037	2411798.786	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	69	29	35.593808006	-115.483757002	7309744.328	2411810.628	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	289	30	35.593646411	-115.483998433	7309674.037	2411750.025	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	1	31	35.592974510	-115.488312594	7308397.815	2411473.437	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	240	32	35.592937085	-115.486722203	7308870.885	2411471.636	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	300	33	35.593028843	-115.485146268	7309338.481	2411516.746	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	26	34	35.592991501	-115.484742888	7309458.722	2411506.158	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	17	35	35.592567465	-115.488343005	7308392.478	2411325.082	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	58	36	35.592602982	-115.484454574	7309547.96	2411366.916	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	10	37	35.591835393	-115.488317838	7308406.617	2411058.861	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	8	38	35.591636685	-115.486463391	7308959.65	2411000.331	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	22	39	35.591333623	-115.484045521	7309681.112	2410908.028	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	35	40	35.591144088	-115.483704904	7309784.086	2410841.589	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	11	41	35.590626430	-115.483702995	7309789.37	2410653.223	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	55	42	35.588877938	-115.495473448	7306306.469	2409929.528	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	5	43	35.589191225	-115.492355569	7307230.432	2410066.648	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	7	44	35.589894359	-115.488589446	7308343.535	2410350.481	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	8	45	35.589835941	-115.488103163	7308488.615	2410332.834	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	1	46	35.590025705	-115.487349142	7308711.023	2410407.495	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	1	47	35.591086887	-115.476335083	7311975.264	2410875.705	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	10	48	35.591404913	-115.474285750	7312581.513	2411006.741	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	1	49	35.588464465	-115.496801552	7305915.43	2409769.224	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	30	50	35.587939153	-115.497437892	7305731.033	2409573.347	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	5	51	35.588539450	-115.493340512	7306943.57	2409822.156	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	37	52	35.588768453	-115.491358704	7307530.596	2409920.193	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	33	53	35.589346530	-115.485736015	7309196.71	2410172.329	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	19	54	35.589405332	-115.485002901	7309414.096	2410199.181	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	12	55	35.590632250	-115.477965935	7311494.651	2410698.089	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	22	56	35.590605006	-115.477592449	7311605.918	2410690.961	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	30	57	35.588308738	-115.493665849	7306848.955	2409735.785	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	12	58	35.588620196	-115.486809980	7308884.08	2409900.024	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	20	59	35.590532082	-115.471984069	7313273.667	2410706.313	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms

TABLE BR7-1												
Summary of 2007 and 2008 Rare Plant Survey Data from Ivanpah Solar Generating System												
Scientific Name	Common Name	Population Size	Locality Identification Number	Latitude	Longitude	X Coordinate	Y Coordinate	Observer	Date Surveys Conducted	Survey Year	Habitat Type ¹	Plant Associates ¹
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	3	60	35.587068629	-115.498046390	7305558.039	2409252.05	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	40	61	35.586332867	-115.497845674	7305624.371	2408985.784	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	1	62	35.588677532	-115.477687891	7311595.153	2409988.823	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	8	63	35.588915305	-115.475557547	7312226.235	2410091.252	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	1	64	35.589480146	-115.473376592	7312869.366	2410313.094	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	40	65	35.585502318	-115.492782144	7307137.122	2408721.054	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	1	66	35.586672926	-115.486468932	7309003.183	2409193.929	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	1	67	35.586763654	-115.485322679	7309343.096	2409235.47	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	2	68	35.588537092	-115.474506938	7312541.992	2409961.463	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	12	69	35.588039895	-115.475004562	7312398.617	2409776.812	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	2	70	35.589051513	-115.470816948	7313634.151	2410176.25	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	9	71	35.585433616	-115.488499445	7308410.856	2408727.842	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	28	72	35.585584162	-115.485734607	7309231.383	2408803.178	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	26	73	35.586241415	-115.482498308	7310187.437	2409066.443	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	30	74	35.586075421	-115.482660942	7310140.605	2409004.825	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	5	75	35.586062334	-115.479129286	7311190.563	2409026.379	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	1	76	35.587676849	-115.473201715	7312937.848	2409658.166	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	2	77	35.587860267	-115.471845620	7313339.28	2409735.052	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	2	78	35.588388453	-115.468843372	7314226.881	2409949.727	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	1	79	35.588893874	-115.467949289	7314488.018	2410140.349	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	16	80	35.586283214	-115.474720476	7312499.127	2409139.663	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	1	81	35.586824375	-115.468827893	7314245.818	2409380.663	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	1	82	35.587493729	-115.466107115	7315048.459	2409644.628	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	1	83	35.582856985	-115.498190529	7305553.346	2407718.323	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	11	84	35.583065025	-115.489723504	7308068.513	2407856.798	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	9	85	35.582954740	-115.489487362	7308139.716	2407818.418	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	1	86	35.582591900	-115.478633987	7311369.483	2407767.153	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	1	87	35.580792986	-115.482191886	7310328.201	2407085.995	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	1	88	35.579373601	-115.490533766	7307861.186	2406507.44	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	2	89	35.578535687	-115.494858753	7306583.01	2406170.436	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	1	90	35.578542528	-115.483403797	7309988.426	2406258.011	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	115	91	35.576373537	-115.493718014	7306941.767	2405392.067	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	3	92	35.576454770	-115.489324210	7308247.311	2405454.234	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	50	93	35.574624875	-115.493077222	7307148.15	2404760.466	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	60	94	35.570960958	-115.495253989	7306534.212	2403411	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	15	95	35.570169178	-115.495252466	7306541.846	2403122.876	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	25	96	35.567983724	-115.494272989	7306852.898	2402334.833	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	8	97	35.567602795	-115.474673616	7312683.88	2402342.08	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	1	98	35.545307943	-115.473784716	7313152.124	2394235.543	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	126	99	35.545627598	-115.470801943	7314036.309	2394374.179	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	6	100	35.545904053	-115.463918716	7316080.915	2394526.373	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	44	101	35.544286669	-115.466747846	7315254.341	2393916.583	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	6	102	35.543573165	-115.470639157	7314103.54	2393627.786	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	2	103	35.544287099	-115.463628970	7316181.938	2393940.136	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	3	104	35.544398186	-115.461028208	7316954.423	2394000.093	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	7	105	35.544759575	-115.458012379	7317848.047	2394154.277	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	2	106	35.544820439	-115.457721651	7317933.953	2394178.613	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	4	107	35.545113575	-115.457170175	7318095.27	2394289.435	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	18	108	35.545346339	-115.455646494	7318546.286	2394385.608	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	51	109	35.542531078	-115.470371272	7314192.759	2393250.575	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	32	110	35.542594017	-115.468471268	7314757.285	2393287.708	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	35	111	35.542736551	-115.467899969	7314925.895	2393343.857	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	5	112	35.543227980	-115.465395916	7315666.142	2393541.463	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	23	113	35.543924023	-115.461711775	7316755.478	2393822.409	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	110	114	35.544176177	-115.459073569	7317537.803	2393933.997	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	45	115	35.543108748	-115.461445865	7316842.058	2393527.728	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms

TABLE BR7-1												
Summary of 2007 and 2008 Rare Plant Survey Data from Ivanpah Solar Generating System												
Scientific Name	Common Name	Population Size	Locality Identification Number	Latitude	Longitude	X Coordinate	Y Coordinate	Observer	Date Surveys Conducted	Survey Year	Habitat Type ¹	Plant Associates ¹
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	11	116	35.541904339	-115.469910739	7314335.474	2393025.952	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	16	117	35.542378340	-115.465908885	7315521.372	2393228.431	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	4	118	35.542423152	-115.462347805	7316580.104	2393271.464	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	8	119	35.541553924	-115.467269507	7315124.253	2392918.223	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	7	120	35.541825836	-115.466541613	7315338.253	2393022.629	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	28	121	35.541853656	-115.465845972	7315544.898	2393037.97	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	25	122	35.541853638	-115.465509290	7315645.036	2393040.488	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	60	123	35.541960422	-115.464711220	7315881.421	2393085.335	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	9	124	35.542086481	-115.463960222	7316103.628	2393136.843	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	42	125	35.542169152	-115.463413282	7316265.541	2393171.033	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	12	126	35.541289985	-115.466115468	7315469.916	2392830.828	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	4	127	35.541389089	-115.465443186	7315668.96	2392871.934	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	27	128	35.541131435	-115.465242161	7315731.115	2392779.682	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	5	129	35.541182893	-115.464082415	7316075.582	2392807.11	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	50	130	35.540885907	-115.464931885	7315825.653	2392692.662	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	1	131	35.544829819	-115.455703293	7318534.152	2394197.218	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	1	132	35.544941507	-115.450290590	7320142.926	2394278.661	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	45	133	35.544866461	-115.449385318	7320412.857	2394258.184	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	8	134	35.544135672	-115.457217505	7318090.198	2393933.22	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	30	135	35.544176600	-115.452236315	7319571.301	2393985.635	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	22	136	35.544420717	-115.450683761	7320030.8	2394086.179	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	10	137	35.543418592	-115.457336495	7318061.411	2393671.378	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	21	138	35.543432871	-115.451478206	7319803.637	2393720.709	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	25	139	35.543151702	-115.446351133	7321331.116	2393657.101	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	1	140	35.542934545	-115.451506572	7319799.799	2393539.155	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	100	141	35.542788543	-115.452375544	7319542.697	2393479.472	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	24	142	35.542630039	-115.451720788	7319738.897	2393426.729	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	10	143	35.541973976	-115.454198340	7319008.071	2393169.312	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	71	144	35.541836414	-115.457696061	7317969.035	2393092.918	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	135	145	35.540360654	-115.462617129	7316518.951	2392518.897	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	15	146	35.540664373	-115.460530068	7317136.912	2392645.1	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	25	147	35.540560338	-115.455946870	7318501.04	2392641.72	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	8	148	35.539733932	-115.462445735	7316575.688	2392292.12	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	6	149	35.602122999	-115.487175326	7308652.613	2414811.124	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	37	150	35.601850291	-115.488750587	7308186.913	2414700.18	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	1	151	35.601761675	-115.488822646	7308166.303	2414667.396	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	175	152	35.601529179	-115.488381511	7308299.526	2414586.064	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	40	153	35.601234889	-115.489305523	7308027.576	2414472.107	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	1	154	35.601526842	-115.487066538	7308690.37	2414594.984	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	52	155	35.601578221	-115.486359091	7308900.163	2414618.94	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	840	156	35.601392544	-115.487416140	7308587.687	2414543.514	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	105	157	35.600652015	-115.487763314	7308486.436	2414463.616	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	180	158	35.601324775	-115.486421157	7308884.023	2414526.247	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	77	159	35.601124384	-115.486133211	7308971.428	2414455.463	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	1	160	35.601101756	-115.485741424	7309088.077	2414450.141	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	160	161	35.600205326	-115.489950615	7307845.206	2414092.647	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	48	162	35.600069195	-115.489625700	7307943.013	2414045.52	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	117	163	35.600108377	-115.489018278	7308123.192	2414064.289	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	58	164	35.600397696	-115.488467620	7308284.224	2414173.665	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	45	165	35.600652015	-115.485761213	7309086.29	2414286.328	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	53	166	35.600694666	-115.485464182	7309174.183	2414304.058	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	48	167	35.600497104	-115.485155180	7309267.822	2414234.461	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	100	168	35.600280933	-115.486407607	7308897.551	2414146.481	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	115	169	35.600320433	-115.486040900	7309006.182	2414163.582	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	205	170	35.599744700	-115.488869210	7308170.804	2413933.049	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	4	171	35.599819627	-115.488443358	7308296.693	2413963.479	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms

TABLE BR-1												
Summary of 2007 and 2008 Rare Plant Survey Data from Ivanpah Solar Generating System												
Scientific Name	Common Name	Population Size	Locality Identification Number	Latitude	Longitude	X Coordinate	Y Coordinate	Observer	Date Surveys Conducted	Survey Year	Habitat Type ¹	Plant Associates ¹
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	204	172	35.599835506	-115.485867909	7309062.012	2413988.398	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	16	173	35.599954381	-115.485020961	7309312.656	2414037.956	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	48	174	35.599155050	-115.489708940	7307926.583	2413712.234	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	40	175	35.599156626	-115.489530319	7307979.658	2413714.133	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	73	176	35.599248344	-115.488012058	7308430.078	2413758.787	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	82	177	35.599218107	-115.486754191	7308804.214	2413757.13	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	4	178	35.599366360	-115.485894489	7309058.383	2413817.473	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	4	179	35.598532168	-115.489714913	7307930.469	2413485.515	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	14	180	35.598903273	-115.488096025	7308408.261	2413632.587	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	4	181	35.598377378	-115.489475006	7308003.182	2413430.966	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Enneapogon desvauxii</i>	Nine-awned pappus grass	76	182	35.598896849	-115.485683804	7309125.277	2413648.179	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	8	97	35.547402226	-115.468550619	7314689.61	2395036.828	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	1	98	35.545657498	-115.464838824	7315809.529	2394429.747	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	2	99	35.545371655	-115.464572833	7315891.262	2394327.724	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	1	100	35.544999515	-115.464871714	7315805.788	2394190.059	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	1	101	35.544604039	-115.467023779	7315169.363	2394030.006	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	3	102	35.543755137	-115.471874731	7313734.391	2393684.759	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	1	103	35.543753464	-115.470549749	7314128.48	2393694.067	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	22	104	35.543975295	-115.468865654	7314627.326	2393787.402	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	8	105	35.544190498	-115.467970122	7314891.699	2393872.425	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	3	106	35.544299987	-115.466667364	7315278.155	2393922.033	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	1	107	35.544487972	-115.464284014	7315985.274	2394008.318	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	1	108	35.545811956	-115.458388741	7317726.427	2394534.408	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	3	109	35.546272404	-115.456885065	7318169.394	2394713.279	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	1	110	35.546184117	-115.456350152	7318329.294	2394685.178	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	1	111	35.546220913	-115.455726758	7318514.357	2394703.261	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	1	112	35.543470835	-115.471263079	7313918.911	2393585.878	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	1	113	35.543233455	-115.471583998	7313825.637	2393497.094	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	1	114	35.543416621	-115.470416223	7314171.278	2393572.489	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	5	115	35.543765490	-115.467314975	7315090.448	2393722.674	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	2	116	35.544060927	-115.464581915	7315900.594	2393850.68	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	3	117	35.543673393	-115.464943995	7315796.463	2393706.94	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	10	118	35.542950385	-115.467914134	7314919.721	2393421.565	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	25	119	35.542808757	-115.467432219	7315064.351	2393373.639	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	2	120	35.542518398	-115.469371169	7314490.328	2393253.449	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	1	121	35.542531189	-115.468153707	7314852.31	2393267.225	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	3	122	35.542529957	-115.466824962	7315247.52	2393276.735	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	2	123	35.541937238	-115.469973569	7314316.485	2393037.453	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	1	124	35.542165709	-115.463744269	7316167.129	2393167.295	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	1	125	35.541977895	-115.463226628	7316322.813	2393102.835	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	4	126	35.541381474	-115.466984737	7315210.533	2392857.603	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	2	127	35.541526714	-115.463769586	7316165.468	2392934.575	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	1	128	35.541124195	-115.464211748	7316037.654	2392784.779	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	1	129	35.540843071	-115.454933199	7318799.929	2392752.24	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	1	130	35.541080195	-115.450523620	7320109.267	2392871.773	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	1	131	35.539099361	-115.462203360	7316653.609	2392063.02	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	3	132	35.539677620	-115.456468541	7318354.011	2392316.572	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	11	133	35.538603828	-115.462335852	7316618.755	2391881.701	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	1	134	35.539278685	-115.456439213	7318366.408	2392171.62	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	1	135	35.530937258	-115.456220870	7318508.185	2389137.828	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	3	136	35.601169899	-115.488046682	7308402.309	2414457.806	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	26	137	35.601000639	-115.488044614	7308404.463	2414396.225	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	3	138	35.601037007	-115.487839585	7308465.069	2414410.983	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	18	139	35.601030998	-115.487843639	7308463.919	2414408.766	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	1	140	35.599644231	-115.489984813	7307840.142	2413888.204	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	2	141	35.598920231	-115.489245954	7308066.325	2413630.218	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms

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Summary of 2007 and 2008 Rare Plant Survey Data from Ivanpah Solar Generating System												
Scientific Name	Common Name	Population Size	Locality Identification Number	Latitude	Longitude	X Coordinate	Y Coordinate	Observer	Date Surveys Conducted	Survey Year	Habitat Type ¹	Plant Associates ¹
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	1	142	35.598525679	-115.489715106	7307930.471	2413483.152	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish's club cholla	1	143	35.598860617	-115.488505441	7308286.962	2413614.023	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Mortonia utahensis</i>	Utah mortonia	1	1	35.601381104	-115.489444807	7307984.85	2414524.282	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Sphaeralcea rusbyi var. eremicola</i>	Rusby's desert mallow	1	1	35.593951624	-115.487431644	7308650.78	2411835.564	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Sphaeralcea rusbyi var. eremicola</i>	Rusby's desert mallow	2	2	35.593796210	-115.486984566	7308785.082	2411782.33	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Sphaeralcea rusbyi var. eremicola</i>	Rusby's desert mallow	1	3	35.593002726	-115.486924644	7308810.114	2411494.018	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Sphaeralcea rusbyi var. eremicola</i>	Rusby's desert mallow	1	4	35.593045529	-115.484541479	7309518.097	2411527.317	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Sphaeralcea rusbyi var. eremicola</i>	Rusby's desert mallow	1	5	35.588316647	-115.487020814	7308824.171	2409787.992	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Sphaeralcea rusbyi var. eremicola</i>	Rusby's desert mallow	1	6	35.566572108	-115.483534260	7310058.72	2401900.92	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Sphaeralcea rusbyi var. eremicola</i>	Rusby's desert mallow	1	7	35.562976694	-115.474560041	7312759.955	2400659.467	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Sphaeralcea rusbyi var. eremicola</i>	Rusby's desert mallow	1	8	35.550194978	-115.477986020	7311857.974	2395982.565	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Sphaeralcea rusbyi var. eremicola</i>	Rusby's desert mallow	1	9	35.547334940	-115.474482109	7312926.174	2394967.959	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Sphaeralcea rusbyi var. eremicola</i>	Rusby's desert mallow	1	10	35.538208654	-115.461669463	7316820.595	2391742.902	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Sphaeralcea rusbyi var. eremicola</i>	Rusby's desert mallow	3	11	35.599970631	-115.487667492	7308525.919	2414024.195	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Sphaeralcea rusbyi var. eremicola</i>	Rusby's desert mallow	1	12	35.599878094	-115.487383970	7308611.028	2413992.627	CH2M HILL	4/3 – 4/22 excluding 4/19	2008	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	1	2412318.255	7308879.779	7308879.5	2412318.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	2	2	2412264.1	7308956.129	7308956	2412263.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	3	2411816.45	7308937.214	7308937	2411816.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	4	2411062.7	7309190.719	7309190.5	2411063	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	5	2411067.261	7309279.2	7309279.5	2411067	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	6	2411026.037	7309186.807	7309186.5	2411026.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	7	35.590601444	-115.481448514	7310463.5	2410659	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	8	35.590645533	-115.480385945	7310778.5	2410682.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	9	35.591122580	-115.477135079	7311740.5	2410880.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	10	35.591200193	-115.473057632	7312952.5	2410939.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	11	35.591100857	-115.469296853	7314071	2410931.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	2	12	35.590540969	-115.470393655	7313749.5	2410719.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	13	35.590420126	-115.472716305	7313060.5	2410658	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	14	35.590020032	-115.479786076	7310962.5	2410460	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	15	35.590059614	-115.482868676	7310046	2410451.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	16	35.589097167	-115.482340766	7310212	2410104.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	17	35.589346311	-115.480385219	7310790.5	2410210.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	18	35.589284570	-115.480121181	7310869.5	2410189.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	19	35.590152394	-115.472483480	7313132.5	2410563	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	20	35.589809461	-115.467417704	7314641.5	2410476	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	21	35.589757495	-115.467611171	7314584	2410455	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms

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Scientific Name	Common Name	Population Size	Locality Identification Number	Latitude	Longitude	X Coordinate	Y Coordinate	Observer	Date Surveys Conducted	Survey Year	Habitat Type ¹	Plant Associates ¹
<i>Coryphantha chlorantha</i>	Desert pincushion	1	22	35.589612289	-115.467705142	7314557.5	2410401.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	23	35.589453804	-115.469420965	7314049.5	2410331.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	24	35.589466166	-115.469592819	7313998	2410334.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	25	35.589187052	-115.469741484	7313956.5	2410231.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	26	35.589008120	-115.470094360	7313853.5	2410164	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	27	35.588866119	-115.477721864	7311587.5	2410055.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	28	35.588767128	-115.477621317	7311618	2410020.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	29	35.588662736	-115.479247141	7311136	2409970	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	30	35.587621621	-115.484450012	7309598.5	2409552.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	6	31	35.587511930	-115.483174265	7309978.5	2409521.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	32	35.587131489	-115.482749381	7310108	2409387	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	33	35.587118024	-115.478762240	7311293	2409411.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	34	35.587472065	-115.476154018	7312065.5	2409560.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	35	35.587480886	-115.476164050	7312062.5	2409563.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	36	35.586426566	-115.470502248	7313755.5	2409221.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	37	35.586778325	-115.475352423	7312310	2409313.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	38	35.586134073	-115.477512928	7311674.5	2409063.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	39	35.586153072	-115.477504229	7311676.5	2409070	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	40	35.585908761	-115.482532214	7310183.5	2408943.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	41	35.585811411	-115.482920431	7310069.5	2408904.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	42	35.585857241	-115.471663864	7313415	2409005.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	43	35.585851024	-115.471665010	7313415	2409003.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	44	35.585218809	-115.478822749	7311293	2408719.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	45	35.585330482	-115.480049348	7310927	2408751.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	2	46	35.584676942	-115.480727363	7310732	2408508.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	47	35.584411818	-115.479410427	7311126	2408421.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	48	35.583420264	-115.482648182	7310172.5	2408036.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	49	35.582670569	-115.489538882	7308130	2407712.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	50	35.582886940	-115.483005635	7310070.5	2407840.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms

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Summary of 2007 and 2008 Rare Plant Survey Data from Ivanpah Solar Generating System												
Scientific Name	Common Name	Population Size	Locality Identification Number	Latitude	Longitude	X Coordinate	Y Coordinate	Observer	Date Surveys Conducted	Survey Year	Habitat Type ¹	Plant Associates ¹
<i>Coryphantha chlorantha</i>	Desert pincushion	1	51	35.581474783	-115.472931026	7313078	2407401	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	52	35.581114237	-115.477416791	7311748.5	2407236.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	53	35.580794863	-115.490722510	7307795.5	2407021.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	54	35.580603373	-115.493922092	7306846	2406927.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	55	35.577736960	-115.488881936	7308371	2405922	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	56	35.576608657	-115.487304924	7308850	2405523	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	57	35.576366600	-115.481251650	7310651.5	2405480.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	58	35.576647103	-115.471519886	7313542.5	2405655.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	59	35.575215073	-115.473372965	7313005	2405120	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	60	35.575038171	-115.476498042	7312077.5	2405033	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	61	35.575007679	-115.476745041	7312004	2405019	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	62	35.574314828	-115.484815988	7309610	2404707.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	63	35.573132517	-115.481821014	7310512	2404299.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	64	35.573114540	-115.475105258	7312509	2404342.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	65	35.573077746	-115.474233354	7312768.5	2404336	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	66	35.572550142	-115.472748199	7313215	2404154.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	67	35.571816665	-115.474085568	7312824	2403878.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	68	35.568669544	-115.478065919	7311669.5	2402703.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	69	35.568140707	-115.475591591	7312410	2402529.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	70	35.567930632	-115.479634821	7311209	2402422.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	71	35.567104551	-115.478234130	7311634	2402132.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	72	35.567243425	-115.471609090	7313602	2402232.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	73	35.566960623	-115.478189901	7311647.5	2402080.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	74	35.566858879	-115.478454796	7311570.5	2402041	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	75	35.566849434	-115.478453008	7311570.5	2402038.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	76	35.566591644	-115.480403450	7310993.5	2401929.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	77	35.566454839	-115.480737008	7310895.5	2401877.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	78	35.566493175	-115.476318429	7312209	2401924.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	79	35.564009987	-115.466695573	7315093	2401092.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms

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Scientific Name	Common Name	Population Size	Locality Identification Number	Latitude	Longitude	X Coordinate	Y Coordinate	Observer	Date Surveys Conducted	Survey Year	Habitat Type ¹	Plant Associates ¹
<i>Coryphantha chlorantha</i>	Desert pincushion	1	80	35.564000334	-115.466854112	7315045.5	2401087.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	81	35.562564593	-115.474692423	7312727.5	2400506.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	82	35.562520839	-115.474741376	7312714	2400490.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	83	35.562353535	-115.474574207	7312765.5	2400430.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	84	35.562394251	-115.480167420	7311101	2400403.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	85	35.562348436	-115.480411045	7311030	2400385.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	86	35.562383557	-115.466753733	7315090	2400500.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	87	35.562427604	-115.464816123	7315666	2400530.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	88	35.560956159	-115.471703145	7313631.5	2399943.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	89	35.559334444	-115.480451599	7311044.5	2399288	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	90	35.555848452	-115.474344598	7312893	2398065.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	91	35.555575420	-115.474291139	7312911	2397966.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	92	35.551214958	-115.461529925	7316746	2396475.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	93	35.549801186	-115.480996947	7310969.5	2395815	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	94	35.548912965	-115.464622596	7315847	2395614	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	95	35.544717226	-115.458895509	7317589.5	2394130	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	96	35.544517827	-115.459247562	7317486.5	2394054.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	97	35.544690045	-115.454094220	7319017	2394156.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	98	35.544566473	-115.454165453	7318997.5	2394111.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	99	35.544536065	-115.453205098	7319283.5	2394107.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	100	35.544411417	-115.453288857	7319260	2394061.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	101	35.544474930	-115.453351594	7319240	2394083.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	102	35.544328265	-115.451205810	7319879.5	2394046.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	103	35.544106523	-115.451101035	7319913	2393966.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	104	35.544489097	-115.440859489	7322955.5	2394183.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	105	35.543455491	-115.447973250	7320849.5	2393753.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	106	35.543545578	-115.450620857	7320060.5	2393766.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	107	35.543063892	-115.457858669	7317913.5	2393537	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	108	35.540789703	-115.456803502	7318248	2392717.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms

TABLE BR7-1												
Summary of 2007 and 2008 Rare Plant Survey Data from Ivanpah Solar Generating System												
Scientific Name	Common Name	Population Size	Locality Identification Number	Latitude	Longitude	X Coordinate	Y Coordinate	Observer	Date Surveys Conducted	Survey Year	Habitat Type ¹	Plant Associates ¹
<i>Coryphantha chlorantha</i>	Desert pincushion	1	109	35.541606474	-115.452717961	7319456	2393045	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	110	35.541485268	-115.448521856	7320704	2393032	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	111	35.541437033	-115.448433773	7320731	2393015.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	112	35.538227520	-115.449161583	7320544	2391842.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	113	35.538920081	-115.461124000	7316980	2392004.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Coryphantha chlorantha</i>	Desert pincushion	1	114	35.531463567	-115.455640904	7318679.5	2389331.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	1	35.543652629	-115.448950544	7320556.5	2393818.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	2	35.543523854	-115.442293925	7322537.5	2393821.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Cynanchum utahense</i>	Utah vine milkweed	1	3	35.529489951	-115.445140237	7321821	2388693	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	1	35.588911866	-115.484898645	7309453	2410018.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	2	2	35.587584418	-115.484959173	7309447	2409535.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	3	3	35.587317761	-115.483791728	7309796.5	2409446.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	8	4	35.585770086	-115.495206899	7306417.5	2408798.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	2	5	35.585575335	-115.495222352	7306414.5	2408727.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	2	6	35.585194520	-115.495390663	7306368	2408588	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	3	7	35.584611494	-115.495429758	7306362	2408375.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	8	35.584546802	-115.495512575	7306337.5	2408351.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	7	9	35.584005990	-115.495297588	7306406.5	2408156.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	10	35.585255908	-115.483747143	7309829	2408697	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	11	35.584280087	-115.483741784	7309839	2408341.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	12	35.583594595	-115.483503134	7309916	2408094	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	13	35.581983302	-115.495468928	7306374	2407418.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	3	14	35.581710602	-115.495544120	7306354	2407318.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	15	35.581531748	-115.495295525	7306429.5	2407255.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	2	16	35.581419820	-115.494357441	7306709.5	2407221.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	17	2395350.982	7315838.188	7315838.5	2395350.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	18	35.546876381	-115.461071060	7316922.5	2394900.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	19	35.546462190	-115.462482874	7316506.5	2394738.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	20	35.546095795	-115.460568596	7317079	2394619	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms

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Summary of 2007 and 2008 Rare Plant Survey Data from Ivanpah Solar Generating System												
Scientific Name	Common Name	Population Size	Locality Identification Number	Latitude	Longitude	X Coordinate	Y Coordinate	Observer	Date Surveys Conducted	Survey Year	Habitat Type ¹	Plant Associates ¹
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	21	35.545050715	-115.463808703	7316125.5	2394215.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	22	35.545080402	-115.463508844	7316213.5	2394228	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	23	35.545737366	-115.465681788	7315562	2394450.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	3	24	35.545789050	-115.459740815	7317328.5	2394514.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	25	2394619.21	7317682.343	7317682.5	2394619	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	26	35.545801405	-115.460067342	7317231.5	2394516	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	2	27	35.545783760	-115.459081634	7317524.5	2394517	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	28	2394522.165	7317525.086	7317525.5	2394522	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	29	2394530.577	7317596.888	7317596.5	2394531	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	30	2394504.864	7317570.897	7317571	2394505.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	4	31	35.545490812	-115.460111833	7317220.5	2394403.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	2	32	35.545411045	-115.460690100	7317049	2394369.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	33	35.544838928	-115.442122108	7322577.5	2394301.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	2	34	35.545292001	-115.459866661	7317295.5	2394332	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	35	35.544654264	-115.441785684	7322678	2394237	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	36	35.545222106	-115.459160035	7317506.5	2394312.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	37	35.545195197	-115.457369522	7318039	2394316.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	38	35.545017289	-115.461894047	7316694.5	2394217.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	39	35.544925680	-115.459510338	7317404.5	2394201.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	40	35.545042640	-115.457994832	7317854	2394255.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	41	35.544878304	-115.457972625	7317862	2394196.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	42	35.544797877	-115.462682084	7316462	2394131	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	43	35.544681700	-115.462303034	7316576	2394091.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	44	35.544430021	-115.461169126	7316915.5	2394009.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	45	35.544582736	-115.459049477	7317545	2394080.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	46	35.543850326	-115.461363363	7316863	2393796.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	47	35.544260039	-115.458706946	7317650	2393965.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	48	35.544331073	-115.457467330	7318017.5	2394000.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	2	49	35.544224582	-115.453715205	7319135	2393990.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms

TABLE BR7-1												
Summary of 2007 and 2008 Rare Plant Survey Data from Ivanpah Solar Generating System												
Scientific Name	Common Name	Population Size	Locality Identification Number	Latitude	Longitude	X Coordinate	Y Coordinate	Observer	Date Surveys Conducted	Survey Year	Habitat Type ¹	Plant Associates ¹
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	50	35.543114931	-115.451769833	7319723	2393601.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	51	35.543111339	-115.451770206	7319723	2393599.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	52	35.541462336	-115.461065301	7316974	2392930.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	53	35.540974624	-115.461813922	7316756	2392747	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	54	35.540992535	-115.460848654	7317043	2392759.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	55	35.541013414	-115.453905493	7319107.5	2392820.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	5	56	35.540840615	-115.461466037	7316860	2392700.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	57	35.540678636	-115.456412074	7318365	2392679.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	58	35.540680527	-115.454671434	7318882.5	2392693.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	59	35.540525206	-115.450718188	7320059.5	2392666.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	2	60	35.540405847	-115.457161175	7318145	2392574.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	2	61	35.540022706	-115.459180185	7317548	2392420.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	62	35.540110020	-115.456594812	7318316.5	2392470.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	63	35.539910978	-115.448936248	7320595.5	2392457	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	64	35.539910978	-115.448936248	7320595.5	2392457	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	65	35.539848016	-115.460502604	7317156	2392346	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	5	66	35.539766568	-115.460110107	7317274	2392319.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	67	35.539796230	-115.459718598	7317389.5	2392333.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	68	35.539591537	-115.460737661	7317088.5	2392251	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	2	69	35.539518967	-115.460696259	7317101.5	2392225.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	70	35.539698163	-115.456627017	7318310.5	2392321.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	71	35.539616648	-115.456621139	7318312.5	2392291.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	73	35.539116432	-115.460486817	7317168	2392080.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	2	74	35.538736404	-115.462600244	7316542	2391926.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	75	35.538985789	-115.459116089	7317577	2392043	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	76	35.538589384	-115.462266163	7316643	2391874.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	77	35.538546055	-115.462470885	7316583	2391858	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	78	35.538644178	-115.457522807	7318054	2391931.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	79	35.538449775	-115.461488753	7316876	2391830.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms

TABLE BR7-1												
Summary of 2007 and 2008 Rare Plant Survey Data from Ivanpah Solar Generating System												
Scientific Name	Common Name	Population Size	Locality Identification Number	Latitude	Longitude	X Coordinate	Y Coordinate	Observer	Date Surveys Conducted	Survey Year	Habitat Type ¹	Plant Associates ¹
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	80	35.538435876	-115.460085254	7317293.5	2391835.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	2	81	35.538240546	-115.461364851	7316914.5	2391755	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	82	35.538330462	-115.459800872	7317379	2391799.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	2	83	35.537911221	-115.461380647	7316912.5	2391635.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	84	35.537302155	-115.460813282	7317086.5	2391417.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	85	35.537593226	-115.453479769	7319265.5	2391578.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	86	35.537344186	-115.450539113	7320143	2391510.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	87	35.534605341	-115.461615382	7316873	2390430.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	88	35.533915549	-115.459966743	7317370	2390191.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	89	35.530563178	-115.458870302	7317727	2388980	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	90	35.530610123	-115.456984532	7318287.5	2389010.75	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	91	35.530478451	-115.458411162	7317865	2388952.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	92	35.539634278	-115.456139319	7318456	2392301.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	92	35.530123766	-115.457083051	7318263	2388833.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	2	93	35.529773598	-115.462381373	7316689.5	2388666.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	94	35.529510297	-115.461817932	7316860	2388575.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	95	35.529395835	-115.460059271	7317383.5	2388546.5	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
<i>Grusonia (=Opuntia) parishii</i>	Parish club-cholla	1	96	35.528946803	-115.461813665	7316866	2388369.25	CH2M HILL	4/16 – 4/22, 4/25 – 4/30, 5/1 – 5/4, 5/23 – 5/25, 5/29 – 6/10 excluding 6/3	2007	See 2008 CNDDDB forms	See 2008 CNDDDB forms
Sources:												
CH2M HILL. 2007. Application for Certification for Ivanpah Solar Electric Generating System. Volume I and II. Prepared for Solar Partners I, Solar Partners II, Solar Partners VIII and Solar Partners IV. Submitted to California Energy Commission, August 2007.												
CH2M HILL. 2008. Technical Report: Botanical Resources of the Ivanpah Solar Electric Generating System. Prepared for Solar Partners I, Solar Partners II, Solar Partners VIII and Solar Partners IV. September 2008.												



**BEFORE THE ENERGY RESOURCES CONSERVATION AND DEVELOPMENT
COMMISSION OF THE STATE OF CALIFORNIA
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APPLICATION FOR CERTIFICATION
FOR THE *IVANPAH SOLAR ELECTRIC
GENERATING SYSTEM*

DOCKET No. 07-AFC-5

PROOF OF SERVICE
(Revised 4/16/09)

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DECLARATION OF SERVICE

I, Mary Finn, declare that on June 3, 2009, I served and filed copies of the attached Supplemental Data Response Set 2E. 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:

[www.energy.ca.gov/sitingcases/ivanpah]. The document has 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:

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

 x by personal delivery or by depositing in the United States mail at Sacramento, CA 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:

 x 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. 07-AFC-5
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.



Mary Finn