

DOCKET

08-AFC-13

DATE SEP 17 2010

RECD. SEP 17 2010

STATE OF CALIFORNIA
Energy Resources Conservation
and Development Commission

Calico Solar (formerly known as)
SES Solar One) Project)
Calico Solar, LLC)
_____)

Docket No. 08-AFC-13

**APPLICANT CALICO SOLAR'S
RESPONSE TO MOTION TO COMPEL PRODUCTION OF INFORMATION
IN RESPONSE TO DATA REQUESTS, SET TWO**

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STATE OF CALIFORNIA
Energy Resources Conservation
and Development Commission

Calico Solar (formerly known as) **Docket No. 08-AFC-13**
SES Solar One) Project)
Calico Solar, LLC)
_____)

In response to this Committee’s Order Directing Further Review of Reduced Footprint Alternatives and Notice of Committee Conference of September 3, 2010, Tessera Solar North America and discussions with all parties at a Committee Workshop held on September 9, 2010, the Applicant for the Calico Solar Project, proposed on September 10, 2010, two alternative project scenarios that reduce impacts to desert tortoise and other resources. As further ordered by the Committee, the Applicant submitted on September 13, 2010, testimony from its experts which analyzed the impacts associated with each of these scenarios. As explained in the testimony offered by Theresa Miller and Dr. Patrick Mock, the scenarios were designed to significantly reduce or eliminate impacts to high quality desert tortoise habitat. (Declaration of Theresa Miller, Exhibit 116, docketed September 13 and 14, 2010, paragraphs 23-24; Declaration of Dr. Patrick Mock, Exhibit 115, docketed September 13, 2010, paragraph 6.) Ms. Miller and Dr. Mock further explained in their testimony how the line demarking the high quality habitat was established, based on evidence in the record for this matter. (Declaration of T. Miller, paragraphs 4-22; Declaration of P. Mock, paragraph 6.) By way of summary, URS, the Applicant’s consultant, differentiated the quality of the habitat based on several factors including things such as soil, vegetation, and desert tortoise surveys. The team’s desert tortoise experts used their best professional judgment to evaluate the habitat found on the site. The

habitat delineation was then included in the draft Desert Tortoise Translocation Plan (docketed on August 4, 2010), which was reviewed by the BLM, DTRO, CEC, USFWS and CDFG. (See Figure 9 (Desert Tortoise Habitat Quality Map).)

On September 14, 2010, Sierra Club requested that the Applicant provide the data and supporting information that the Applicant relied on in assessing habitat quality.¹ As was detailed in the Applicant's response to this request, docketed on September 15, 2010, all the data and information relied upon to determine the quality of the desert tortoise habitat was previously provided to the Commission and included in the record for this matter. (Applicant's Response to Sierra Club Data Requested on September 14, 2010, docketed on September 15, 2010, page 1.) None of the information relied upon was newly created to support the Scenarios developed in response to the Committee's Order. The Applicant's response provided a road map as to where this information could be found as well as a repeat of the offer made in Ms. Miller's testimony to provide the actual GIS layers for information provided to the Commission on maps previously

¹ The Applicant notes that Sierra Club framed this request as a "data request." The Applicant objects to this posture. Under the Commission's rules, all requests for information shall be submitted no later than 180 days from the date the Commission determines an application is complete, unless the committee allows requests for information at a later time for good cause shown. 20 CCR 1716(e). Additionally, data requests are limited to information reasonably available to applicant which is relevant to the notice or application proceedings or reasonably necessary to make any decision on the notice or application. 20 CCR 1716(b). Applicant, therefore, has no obligation to respond to late data requests, especially items that are not necessary for the Commission to make its decision. Still, Applicant continues to respond to the data requests in an effort to assist the Commission and Sierra Club.

submitted.² The referenced GIS layers were provided to Scott Cashen via e-mail on September 16, 2010 at 5:47 p.m. Nothing more is required.

On September 16, 2010, Sierra Club filed a Motion to Compel Production of Information In Response to Data Requests, Set Two, which claimed that the Applicant was withholding important information that is necessary “to evaluate whether the Applicant’s delineation of desert tortoise habitat quality is based on appropriate, science-based evaluation.” Sierra Club appears to be claiming that the only way that the Applicant could have evaluated the quality of the desert tortoise habitat on the site is by following some unspecified habitat modeling effort which is not required by any agency protocol nor is a generally accepted approach. The simple answer is that the data and information that Sierra Club appears to be seeking does not exist in the form that they would like and is therefore not available.

Applicant believes that the process used by URS to differentiate the quality of the habitat on the site is scientifically based and is supported by the information in the record. Sierra Club apparently disagrees. This disagreement, however, will not be resolved by compelling production of non-existent information. Instead, the disagreement can and should be resolved by the Committee hearing all the evidence on the matter at the evidentiary hearing scheduled for September 20, 2010.

² The Applicant notes that the multiple desert tortoise habitat maps submitted to the Commission all include references to the sources utilized to create them. For example, the Desert Tortoise Habitat Quality map (Figure 9 of the draft Desert Tortoise Translocation Plan docketed August 4, 2010) lists the following sources: ESRI (overview); Mortenson (site plan June 2010); TIGER (railroad 2000); NAIP (aerial 2005); USFWS (desert tortoise critical habitat 1994); POWERmap, www.powermap.platts.com 2009 Platts, A Division of The McGraw-Hill Companies (existing +- Lines, substations 2009).

Following please find, the Applicant's responses to Sierra Club's specific requests to compel:

REQUEST 1: Please provide all of the data used to support site-specific conclusions about habitat quality.

RESPONSE: The Applicant's response stated that information on vegetation cover, type of vegetation, soil composition, slope aspect, temperature, wind and cloud cover were recorded "per cell" as part of the 2010 Desert Tortoise Survey.

***REQUEST TO COMPEL:* The Applicant must provide the data for each cell within the Calico boundary that contains this recorded information. The Applicant must also provide a map showing the specific cell labels and locations within the Project footprint.**

Response: The cells (pre-survey) are shown on the "URS Desert Tortoise Survey Areas" map (Figure No. 5 to the Biological Assessment dated April 1, 2010, which is attached as Appendix A to the draft Desert Tortoise Translocation Plan that was docketed on August 4, 2010). Information recorded on a per cell basis for cells that contained desert tortoise or desert tortoise burrows was recorded on data sheets (previously provided in Appendix A-1 to the Results of the 2010 Desert Tortoise 10m Transect Surveys (referred to herein as "Survey Results") docketed on May 18, 2010) and is summarized on the burrow data spreadsheet (previously provided in Appendix A-2 of the Survey Results). Data sheets for cells for which no desert tortoise, burrows or other desert tortoise signs were prepared and collected, but not submitted, which is consistent with the USFWS 2010 protocol. However, Applicant is providing these data sheets as a courtesy. (See attached.) We note that there is less information for cells where neither desert tortoises, burrows, nor other desert tortoise signs were sighted because the survey was a presence/absence survey. The information recorded on each data sheet is consistent with the USFWS 2010 protocol.

REQUEST 1: Please provide all of the data used to support site-specific conclusions about habitat quality. [Related to soils.]

RESPONSE: "All of the specific metrics used to define habitat quality were included in Theresa Miller's declaration (docketed September 13,2010)."

***REQUEST TO COMPEL:* The Applicant must provide the soils data that Ms. Miller relied on to determine the "demarcation" between sandy soils and rocky/cobbly soils. The Applicant must also provide the map or data set of specific soils data that were collected and/or used to create the "demarcation" line.**

Response: Ms. Miller's testimony recording the demarcation between sandy soils and rocky/cobbly soils was based upon observation and professional judgment. We do not have any additional maps or data sets to produce and USFWS 2010 protocol did not require us to prepare or rely upon any.

REQUEST 1: Please provide all of the data used to support site-specific conclusions about habitat quality. [Related to vegetation.]

RESPONSE: "All of the specific metrics used to define habitat quality were included in Theresa Miller's declaration (docketed September 13, 2010)."

REQUEST TO COMPEL: **The Applicant must provide the vegetation and forage data noted by surveyors.**

Response: USFWS 2010 protocol did not require surveyors to collect information in addition to the information included on the data sheets. Vegetation is noted on the data sheets that have been provided (in the Survey Results docketed on May 18, 2010 and in the Applicant's Response to Sierra Club Data Requests docketed on August 11, 2010). Additionally, URS provided vegetation GIS data layer (URS- vegetation survey 2007-2008) to Scott Cashen via e-mail on September 16, 2010 at 5:47PM.

REQUEST 1: Please provide all of the data used to support site-specific conclusions about habitat quality. [Related to additional factors.]

RESPONSE: "All of the specific metrics used to define habitat quality were included in Theresa Miller's declaration (docketed September 13,2010)."

REQUEST TO COMPEL: **The Applicant must provide cell-specific maps or data showing the results of these surveys for each observed factor on the Project site.**

Response: USFWS 2010 protocol does not require mapping of cells, post survey, and this information was therefore not collected. Applicant conducted a survey and collected data sheets (Appendix A-1 to the Survey Results); the information from these data is summarized per cell in the excel spreadsheet regarding burrow data (Appendix A-2 of the Survey Results). The desert tortoise sightings and desert tortoise burrows are included on several maps in the Desert Tortoise Translocation Plan, including Figure 6 (Desert Tortoise Survey Areas and Results, Spring 2010) and Figure 7 (Desert Tortoise Burrow Detections on the Project Site, Spring 2010). Certain factors that were recorded on a per cell basis, such as aspect, temperature, wind and cloud cover were not conducive to mapping.

REQUEST 2.a: Please provide the data used to prepare the desktop habitat modeling.

RESPONSE: "Since this data is large, electronic GIS information is not docketable. As noted in our testimony docketed August 13,2010, this information is available by request from Camille Lill."

REQUEST TO COMPEL: **The Applicant must provide the GIS data requested by Sierra Club.**

Response: Consistent with the previous response, the GIS data produced by URS was provided to Scott Cashen via e-mail on September 16, 2010 at 5:47PM.

REQUEST 2.b: Please provide the model's output information that the Applicant relied on to create the delineation between the high quality habitat and the medium quality habitat.

RESPONSE: "All GIS data used to delineate habitat quality has been printed on maps included in the Applicant's filings (in either the AFC - docketed December 2,2008 or the DT Translocation Plan - docketed August 4,2010)."

***REQUEST TO COMPEL:* The Applicant must either provide the maps or indicate which maps in the record it relied on to make its determination of habitat quality that is delineated in Scenario 6.**

Response: The line delineated in Scenario 6 is the same line that separates high quality habitat from medium quality habitat on Figure 9 of the Desert Tortoise Translocation Plan, which was reviewed by the BLM, DTRO, CEC, USFWS and CDFG. The information used to determine the habitat quality in the Desert Tortoise Translocation Plan is shown on all the maps in the Desert Tortoise Translocation Plan as well as the soils map, the topographic map and the biological maps in the AFC, which was docketed December 2, 2008.

REQUEST2.b: Please provide the model's output information that the Applicant relied on to create the delineation between the high quality habitat and the medium quality habitat.

RESPONSE: Without providing any actual data or any explanation of its relative importance or weight, the Applicant responded, "For your convenience here is a list of data used to help evaluate habitat quality..."

***REQUEST TO COMPEL:* The Applicant must explain its analysis or provide the criteria, weighting, or other measures that DRS applied to the surveys and modeling to determine how to "set lines" for the gradation between habitat quality**

RESPONSE: Applicant's consultant, URS, differentiated the quality of habitat based on several factors and their best professional judgment. However, URS did not rely on a calculation or weighing of factors to delineate between high, medium and low quality habitat. As Ms. Miller explained in her declaration dated September 13, 2010, URS reviewed the GIS layers, including the USGS habitat suitability model 2009, which is mapped in Figure 3 (Proposed Desert Tortoise Long Distance Translocation Recipient Areas) in the Desert Tortoise Translocation Plan. However, these models only provided landscape level information, so surveys were conducted in order to ground truth the models. The results of the survey information were then overlaid on top of the modeling. Using professional judgment, URS drew the line between high quality and medium quality habitat based upon the location of the desert tortoise sightings and the desert tortoise locations, which was consistent with the information gathered regarding other desert tortoise signs, soils and vegetation in the survey area.

REQUEST5: Please provide a spreadsheet, copies of data sheets, or other document(s) that provides adequate information to establish the personnel that surveyed each transect, and the date(s) the transects were surveyed.

RESPONSE: "The Applicant feels identifying surveyor information down to the transect level is beyond the narrow scope of assessing habitat quality and not required by any protocols that the applicant was requested to follow by the resource agencies."

***REQUEST TO COMPEL:* The Applicant must provide information to establish which personnel surveyed each transect.**

RESPONSE: Location of surveyor efforts are recorded by GPS coordinates and not by transect. The name of each surveyor is recorded on each data sheet (Appendix A-1 of the Survey Results) and summarized by cell on the burrow data spreadsheet (Appendix A-2 of the Survey Results). Additionally, the day that each surveyor conducted surveys is listed in the Survey Efforts Table (Appendix B to the Survey Results). Applicant continues to believe that identifying surveyor information down to the transect level is beyond the narrow scope of assessing habitat quality and not required by any protocols that the Applicant was requested to follow by the resource agencies, Therefore, this information has not been documented. The time for challenging the qualifications of the surveyors has long past. Additionally, Applicant is unclear as to how Sierra Club would be able to evaluate observer bias by knowing the identity of individual surveyors by transect.

REQUEST6: Please provide a Project site map that includes data from both the 2007-2008 tortoise surveys and the 2010 tortoise surveys.

RESPONSE: "Resource agencies requested the applicant only include 2010 tortoise surveys data since this information was collected per USFWS 100% protocol level surveys, and in 2007 and 2008 probabilistic sampling surveys were conducted and thus are not directly comparable."

***REQUEST TO COMPEL:* The Applicant must provide the 2007 and 2008 data and/or maps showing the results of this data.**

RESPONSE: As previously noted, the data from the 2007 and 2008 was not relied upon in defining the line between high, medium and low quality habitat, as the resource agencies requested that we rely on the surveys conducted pursuant to the USFWS 2010 protocol level surveys. This information, therefore, is not relevant. Nevertheless, to assist the Sierra Club and the Committee, the maps and GIS layers from these surveys will be docketed shortly.

Applicant agrees with the Sierra Club that time is of an essence and for the reasons stated herein respectfully requests that the Committee immediately deny Sierra Club's Motion.

Date: September 17, 2010



Ella Foley Gannon
Attorneys for Applicant
Calico Solar LLC

73505292_1

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 3/20/10 Cell Number: F23 24 Observers: S. Myers, G. Bunker, R. Gorman, S. Kelly, C. Lewis
 GPS (✓) UMT WGS 84 Track Log on
 Start Time: 7:55 Temp(F): 60 Cloud%: 40 Wind(mph): 0-1
 End Time: 11:40 Temp(F): 80 Cloud%: 15 Wind(mph): 2-5

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
004	-	557582	3	6x10	3851097	-	4338
005	-	557752	3	4x8	3851208	-	4339
006	-	558171	3	8x16	3851309	-	4340
007	F?	558403	4	8x16	3851367	-	4341
008	-	558403	1	8x16	3851368	-	4342
009	-	558223	2	8x16	3851429	-	4343

Category Guide

Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

004 - small sign, deep & funky inside
 005 - ma sign, off, in side of wall
 006 - unused, some debris/dirt in entrance
 007 - large dt fairy in burrow 11:11 AM, 7/40
 008 - burrow essentially empty

Download required (✓ when complete)

- GPS pts and track log photos

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 30MARIO Cell Number: I 20 Observers: Amye Bates
Rob DeBacca
 GPS (✓) UTM WGS 84 Track Log on Jeanie Groover
 Start Time: 850 Temp(F): _____ Cloud%: 50 Wind(mph): 0-5 mph
Mark Groover
 End Time: 1154 Temp(F): _____ Cloud%: 25 Wind(mph): 0-5

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (inches)	Burrow Category (1-5)	Burrow H x W (inches)	Scat Category (1-5)	Carcass Category (1-5)	
003	-	-	-	3851077	-	2	11
004	-	-	3	3851191	-	-	12
005	-	-	2	3851302	-	-	13
006	-	-	2	3851363	-	-	17

Category Guide

Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

004 - Burrow has collapsed opening w/ vegetation
 005 - Burrow within canid complex

Download required (✓ when complete) GPS pts and track log photos

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 3-31-10 Cell Number: 119 Observers: Rick Barber, Jerry, Wendy, Paul

GPS (✓) UMT WGS 84 Track Log on
 Start Time: 0850 Temp(F): 56 Cloud%: 5 Wind(mph): 4-5
 End Time: 1130 Temp(F): 56 Cloud%: 50 Wind(mph): 20-30

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
001		<u>20</u>	<u>2</u>	<u>4H8W</u>	<u>3851070</u>		<u>6</u>
002		<u>0556054</u>	<u>2</u>	<u>4H8W</u>	<u>3851144</u>		<u>7</u>
003	<u>UNK</u>	<u>6</u>	<u>1</u>	<u>4H8W</u>	<u>3851161</u>		<u>8</u>
004		<u>0555991</u>	<u>3</u>	<u>4H8W</u>	<u>3851336</u>		<u>9</u>
5		<u>0555868</u>	<u>3</u>	<u>5H8W</u>			<u>10</u>

Category Guide
 Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

003 = 15T4

Download required (✓ when complete) photos
 GPS pts and track log

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: DIARRIO Cell Number: G23 Observers: Angie Bates
Rob de Saen

GPS (✓) UMT WGS 84 Track Log on Jennie Brewer
Mark Browner

Start Time: 1405 Temp(F): _____ Cloud%: 5 Wind(mph): 0-5
 End Time: 1632 Temp(F): _____ Cloud%: 5 Wind(mph): 0-5

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
024	-	-	1	7x13	-	-	52
		557937			3852080		
025	-	-	2	7x12	-	-	54
		557919			3852286		
026	-	-	2	5x9	-	-	55
		557881			3852237		
027	-	-	1	5x12	-	-	57
		557876			3852097		
028	-	-	2	4x9	-	-	58
		557848			3851983		
029	-	-	-	-	-	5	59
		557848			3852169		
030	-	-	-	-	-	5	60
		557740			3852080		
031	-	-	-	-	-	5	61
		557693			3852292		
032	-	-	-	-	-	5	62
		557589			3852339		
033	-	-	-	-	-	5	63
		557542			3852241		

Category Guide

Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

Download required (✓ when complete) photos
 GPS pts and track log

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Rob Lehara

Date: 01APR10 Cell Number: G24 Observers: Amir Bates

John Bauer
Mark Bauer

GPS (✓) UMT WGS 84 Track Log on
Start Time: 858 Temp(F): _____ Cloud%: 20 Wind(mph): 5-20
End Time: 1428 Temp(F): _____ Cloud%: 5 Wind(mph): 0-5

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
002	-	558392	3	5X10	-	-	234
003	-	558308	3	4x8	-	-	25
004	-	558371	2	6x14	-	-	26
005	-	558332	1	4x9	-	-	29
006	-	558295	2	5X11	-	-	30
007	-	558328	2	6x12	2	-	31
008	-	558239	2	8x14	-	-	32
009	-	558177	1	7x13	2	-	33
010	-	558189	2	7x13	-	-	34
011	-	558141	1	6x12	-	-	35
012	-	558157	3	4x12	-	-	36
013	-	558162	3	4x12	-	-	37
014	-	558165	3	6x12	-	-	38

Category Guide

Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS point

002 - Burrow has collapsed parts in opening & small vegetation growing on ramp.
 003 - Collapsed entrance
 007 - Burrow found while skiffing in cell F24
 012 - Collapsed entrance
 013 - Vegetation growing in entrance
 014 - Collapsed roof in entrance

Tortoise Scat
 1

Download required (✓ when complete) photos
 GPS pts and track log

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 01ARR10 Cell Number: G24 Observers: Angie Bates
Leahio Brower
Marta Brower

Start Time: _____ Temp(F): _____ Cloud%: _____ Wind(mph): _____
End Time: _____ Temp(F): _____ Cloud%: _____ Wind(mph): _____

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (inches)	Burrow Category (1-5)	Burrow H x W (inches)	Scat Category (1-5)	Carcass Category (1-5)	
015	-	-	1	6x16	-	-	39
✓ 016	-	558113	-	3851894	-	-	40
	m	12	-	-	-	-	
017	-	558050	1	6x14	-	-	42
✓ 018	F	558050	-	3851876	-	-	41
		10.5	-	-	-	-	
019	-	558090	2	5x10	-	-	43
020	-	558067	1	3852039	-	-	45
	-	-	1	4x8	-	-	
021	F	558064	-	3852039	-	-	44
		10	-	-	-	-	46
022	-	558092	2	3852250	-	-	47
	-	-	2	6x12	-	-	
023	-	558017	2	3852131	-	-	48
	-	-	2	5x12	-	-	49

Category Guide

- Burrows and Dens
1. Currently active, with tortoise or recent tortoise sign
 2. Good condition, definitely tortoise, no evidence of recent use
 3. Deteriorated condition (please describe); definitely tortoise
 4. Deteriorated condition; possibly tortoise (please describe)
 5. Good condition; possibly tortoise (please describe)

- Scats
1. Wet (not from rain or dew) or freshly dried; obvious odor
 2. Dried with glaze; some odor. Dark brown
 3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
 4. Dried; light brown to pale yellow, loose material; scaly appearance
 5. Bleached; or consisting only of plant fiber

- Carcass Remains
1. Fresh or putrid
 2. Normal color; scutes adhere to bone
 3. Scutes peeling off bone
 4. Shell bone is falling apart; growth rings on scutes are peeling
 5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

016 = DT 8
018 = DT 7
021 = DT 9

Download required (✓ when complete)
 GPS pts and track log photos

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 4/2/10 Cell Number: H25 Observers: TEAM QUATRO

GPS (✓) UMT WGS 84 Track Log on 140°C
 Start Time: 8:31 Temp(F): 64.0 Cloud%: 59 Wind(mph): 5.4-11.7 (K:6.7)
 End Time: 11:45 Temp(F): 63.5 Cloud%: 5-10.1 Wind(mph): 2.8-7.4 (K:2.9)
83.0°C

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
502		0558397	3	4x8	3851567		3223
503		0558381	3	5x8 (4 11 LENGTH)	3851571		3226
504		558413	3	3851846			3227
505		558449	3	1x9.5	3851734		3234
506		558442		3851638			3237
507		558490	1	6x14	3851690		3240
508		558509	3	6.5x11.25	3851872		3242
509		558547	1	5x12	3851634		3245
510		558556	1	6x8.5	3851597		3242
511		558526	1	4.0	3851571		3253
512		558707	2	9.1	3851894		3258
513		558714	2		3851794		3264
514		558830	5		3851803		3267

Category Guide
Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

- Scats
1. Wet (not from rain or dew) or freshly dried; obvious odor
 2. Dried with glaze; some odor. Dark brown
 3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
 4. Dried; light brown to pale yellow, loose material; scaly appearance
 5. Bleached, or consisting only of plant fiber

- Carcass Remains
1. Fresh or putrid
 2. Normal color; scutes adhere to bone
 3. Scutes peeling off bone
 4. Shell bone is falling apart; growth rings on scutes are peeling
 5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

502 > S ENTRANCES w/ 2 REMAINING DT SHAPES /
 W/BL/ W/UT BY DT, BUT LATER USED BY CANIDS
 503 > TAKEN OVER BY KEATS - CANID SCAT IN ONE
 BURROW ENTRANCE
 504 > Rocky inside - Side entrance found in ground
 505 > SCATTERED IN DOWNHOLE CHANNEL
 506 - CHANNEL 6.25" FOR SCAT ON SURFACE NOT SEEN
 BUT BACK OF BURROW IS NOT VISIBLE
 509 - SHALLOW RECENTLY USE GROUND (PAINT)
 510 - LIVE DT IN BURROW - SEE DATA SHEET #14
 = DATA SHEET #14

Download required (✓ when complete) GPS photos photos EAST OF POINT

NO DATA SHEET
 LEARN 15ft FROM NORTH Boundary. Adult male
 SCAT ~ S (SCAT 3, 2 CAT 2)
 1 CAT 4
 511 = DT 13

1042

Date: 4/21/10 Cell Number: F20 Observers: S. Amin, S. Goff, C. Knudsen, A. Gorman, G. Anderson

GPS (✓) UTM WGS 84 Track Log on

Start Time: 8:27 Temp(F): 52 Cloud%: 10 Wind(mph): 5-8
End Time: 11:06 Temp(F): 64 Cloud%: 5 Wind(mph):

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
020	-	556270	3	6x16	3852476	-	426
021	?	556330	+	-	385284	-	425
022	?	556328	↑	7x14	3852598	-	424
023	-	556354	2	4x8	3852358	-	423
024	-	556405	2	6x6	3852453	-	422
025	-	556410	2	6x10	3852414	-	421
026	-	556490	3	6x10	3852418	-	420
027	?	556552	?	8x15	3852867	-	419
028	-	556526	2	7x14	3852456	-	418
029	-	556543	3	6x12	3852407	-	417
030	-	556517	3	4x8	3852359	-	416

Category Guide

Burrows and Dens

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Scats

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Carcass Remains

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5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point.

020 - collapsed entrance, but open.
 021 - DT in burrow, sex unk, (artificial) 8" = DT 20
 022
 024 - possible shell.
 026 - entrance collapsed, but usable, very young in entrance.
 027 - DT in burrow, wood debris in before pics could be taken = DT 21
 028 - no signs, end - one fu
 031 - Burrow a little, best up
 032 - small burrow, partly visible
 Scale 0/11 (115)

Download required (✓ when complete) photos
 GPS pts and track log

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 4/24/13 Cell Number: 721 Observers: W/SB & M/L
 GPS (✓) UTM WGS 84 Track Log on
 Start Time: 11:29 Temp(F): 70 Cloud%: 2 Wind(mph): 1-3
 End Time: 12:53 Temp(F): 70 Cloud%: 4 Wind(mph): 3-5

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
035	F	556658	-	3852717	-	-	4382-84
036	-	556661	1	3852717	-	-	4382
037	-	556687	2	3852528	-	-	4382
038	-	556708	3	3852673	-	-	4387
039	-	556796	3	3852516	-	-	4387
040	-	556804	-	3852776	-	3	4389-92

Category Guide

- Burrows and Dens
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Scats

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Enter notes below, link with corresponding GPS Point

DT eggs remains pt. 039, 1 pair
 035 - 2 DT, 11:30, 70° F from burrow, looking healthy
 036 - 1 den to proximity of DT 5
 039 - 2 - 1 m. slugs, just off weathered, in side of over
 038 - side of rock, entrance blocked by sandy cobbles
 039 - entrance partially filled in w/ fine sand
 040 - white shell, one side peeling, some black inside (Gardner's others think)

Scat all 1

Download required (✓ when complete) photos
 GPS pts and track log

10P2

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 4/2/10 Cell Number: F22 Observers: SB, PL, Brendan,
Tracy

GPS (v) UMT WGS 84 Track Log on
Start Time: 8:30 Temp(F): 47 Cloud%: 10 Wind(mph): 0-5
End Time: 10:30 Temp(F): 55 Cloud%: 15 Wind(mph): 0-8

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
017		557493	2	8x20	3852480		
018		557453	2	8x3	3852651		
001		557410	3	16x28	3852359		
002		557431	3	6x18	3852475		
003		557400	3	8x12	3852534		
019		557414	2	4x8	3852661		
020		557405	1	18x24	3852679		
021		557370	2	4x8	3852696		
022		557373	2	10x12	3852478		3
023		557335	2	3x85240	12x18		3
024		557315	2	4x6	3852541		4
025		557295	2	3x852533			3
026		557293	3	3x9	3852487		

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Burrows and Dens

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5. Good condition; possibly tortoise (please describe)

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Enter notes below, link with corresponding GPS Point

017 - scat, but can't tell if it's recent
b/c it's inside burrow

018 - Juvenile burrow
Peggy Ward's GPS-001 - built by tortoise, dug out by coyote

" - 002

Scat: Not this year - 11 This year - 1

026 - opens on two sides

022 - 025: Live Tortoises

022 = DT14
023 = DT16
024 = DT17
025 = DT18

Download required (when complete) photos 026 - DT18
GPS pts and track log

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

✓ 10/28

Date: 4/2/10 Cell Number: F22 Observers: JB, PV, Brendan, Tracy

GPS (✓) UMT WGS 84 Track Log on

Start Time: 1630 Temp(F): 55 Cloud%: 15 Wind(mph): 0-8

End Time: 1248 Temp(F): 63 Cloud%: 30 Wind(mph): 0-3

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
626		557281	3	3852475			
1				8x18			
028		557261	2	3852639			
029		557073	2	3852716			3
		18	1	8x16			
030		556991	1	3852789			
		8x18					
		556863	2	3852528			
		7x12					
031							

Category Guide

Burrows and Dens

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Enter notes below, link with corresponding GPS Point

last years scat : 4!!!
 This years scat : 11
 030 - lots of burrowing owl sign, pellets and scat

Download required (✓ when complete)

- GPS pts and track log photos

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 4/5/10 Cell Number: B25 Observers: S. Annun DeAmico, C. Stidley, M. Tejedor

GPS (✓) UMT WGS 84 Track Log on
 Start Time: 1350 Temp(F): 52 Cloud%: 0 Wind(mph): 15-20
 End Time: 1617 Temp(F): 60 Cloud%: 20 Wind(mph): 9-15

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
048	-	558569	1	714	3854558	-	4404
049	F?	558437	-	3854447	-	-	4403
050	M	558511	-	3854443	-	-	4405
051	-	558512	1	714	3854444	-	4406
052	-	558502	1	714	3854529	-	4408
053	-	558588	2	714	3854230	-	4409

Category Guide
Burrows and Dens

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Enter notes below, link with corresponding GPS Point

052 - no DT, but tracks present inside

049 = DT23
050 = DT24

Download required (✓ when complete)

- GPS pts and track log photos

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 4/5/12 Cell Number: 520 Observers: Dr. Lori D., Amye Crayke

GPS (✓) UMT WGS 84 Track Log on
Start Time: 0945 Temp(F): 65 Cloud%: 15% Wind(mph): 8-12
End Time: 1000 Temp(F): _____ Cloud%: _____ Wind(mph): _____

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
001	NA	NA	NA	3854465	NA	NA	0890
002	NA	NA	1	3854510	4	NA	0891
004	NA	NA	NA	3854254	4	4	0892
005	NA	NA	1	3854716	2	NA	0893
006	NA	NA	3	3855009	3	3	0894
007	NA	NA	1	3855499	3	3	0895
008	NA	NA	1	3855877	6	6	0896
009	NA	NA	1	3854692	2	2	0897
010	NA	NA	1	3854645	5	5	0898
011	NA	NA	3	3854781	8	8	0899
012	NA	NA	1	3854787	7	7	0900
013	NA	NA	1	3854855	8	8	0901
014	NA	NA	1	3854911	9	9	0902

Category Guide

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 5. Good condition; possibly tortoise (please describe)

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Enter notes below, link with corresponding GPS Point

001 DT remains adult
003 Burrow but burrows active
385451A
Scat
Cath 1

Download required (✓ when complete) GPS pts and track log photos

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 05 APR 10 Cell Number: B24 Observers: Mark Brewer
Jennie Brewer
Peggy Wood
Brendan Nosratabalsh

GPS (✓) UMT WGS 84 ~~Track~~ Log on ~~EX~~
 Start Time: 1336 Temp(F): 51 Cloud%: 90 Wind(mph): 20-30
 End Time: 1638 Temp(F): - Cloud%: 50 Wind(mph): 20-30

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (inches)	Burrow Category (1-5)	Burrow H x W (inches)	Scat Category (1-5)	Carcass Category (1-5)	
039	-	558160	-	-	3854545	S	P. Wood 100-0632
040	-	558199	-	3854202	-	4	P. Wood 100-0633
041	-	558223	-	3854401	-	S	-
042	-	558289	-	3854447	-	S	-
043	-	558273	1	4x7	3854228	-	100 0634
044	?	558276	-	X	3854227	-	100 0635
045	-	558305	-	-	3854478	S	-
046	-	558420	2	5x10	3854468	X	-

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 Burrows and Dens

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Enter notes below, link with corresponding GPS Point

SCAT
 This Year Last Year
 1 11
 Burrowing Owl 558308 / 3854358 /
 (Plant) Cross-taxon Thom 558357 / 3854180 /
 OPA - DTALD

Download required (✓ when complete) photos
 GPS pts and track log

URS Corp.
 Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 4/6/13 Cell Number: 902-850-0803 Observers: JR, Craig, Leslie, Angie

GPS (✓) UMT WGS 84 Track Log on
 Start Time: 0835 Temp(F): 56°F Cloud%: 0% Wind(mph): 4-7
 End Time: 1235 Temp(F): 78 Cloud%: 0% Wind(mph): 4-7

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
016	0557569	-	1	7x12	-	-	785
017	0557600	-	1	3852756	-	-	786
018	0557604	-	1	9x15	-	-	787
019	0557604	-	1	7x13	-	-	788
020	0557716	-	1	9x23	-	-	789
021	0557741	-	1	6x11	-	-	790
022	0557741	-	1	3852744	-	-	791
023	0557750	-	3	6x12	-	3	792
024	0557910	-	-	5x11	-	-	793
				3852674	-	-	794
				M 11	-	-	794-96
025	0557911	-	1	3852694	-	-	795
026	0557989	-	1	6x13	-	-	796
027	0557988	-	3	3852534	-	-	797
				6x12	-	-	798
				3852654	-	-	799

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Enter notes below, link with corresponding GPS Point

Scat 111
 024 - male and female mating
 = DT22 & DT30

Download required (✓ when complete) photos
 GPS pts and track log

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 4/6/13 Cell Number: F24 Observers: SP, Craig
Lesli, Angie

GPS (✓) UMT WGS 84 Track Log on

Start Time: 1351 Temp(F): 80 Cloud%: 0% Wind(mph): 4-7

End Time: _____ Temp(F): _____ Cloud%: _____ Wind(mph): _____

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
028	—	—	1	2x5	—	—	415
029	—	—	3	3.5x2.392	—	—	411
030	—	—	—	4x4.5	—	—	412
031	—	—	3	3.852x3.666	—	—	413
032	—	—	—	7x14	—	—	414
033	—	—	1	3.552x4.166	—	—	415
034	—	—	1	7x11	—	—	416
035	—	—	1	3.552x3.81	—	—	417
036	—	—	1	5x9	—	—	418
037	—	—	1	3.552x3.35	—	—	419
038	—	—	1	6x11	—	—	420
039	—	—	3	3.852x7.61	—	—	421
040	—	—	1	6x11	—	—	422
041	—	—	1	3.852x5.17	—	—	423
042	—	—	3	6x12	—	—	424
043	—	—	3	3.352x3.67	—	—	425
044	—	—	3	6x11	—	—	426
045	—	—	3	5x9	—	—	427

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Enter notes below, link with corresponding GPS Point

Scat 1147
Baken egg shell near location # 037
32 = DT 31

Download required (✓ when complete)

- GPS pts and track log photos

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 4/7/10 Call Number: E23 Observers: JR, Craig, Angie, Peggy, Lisa

GPS (✓) UMT WGS 84 Track Log on Cloud%: 0% Wind(mph): 1-3 mph
 Start Time: 0921 Temp(F): 59 Cloud%: 0% Wind(mph): 1-3 mph
 End Time: 1058 Temp(F): 63 Cloud%: 0% Wind(mph): 1-3 mph

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
042	0557544	73/4	1	5x11	1	1	927
043	055759a	-	2	4x9	1	5	928
045	0557573	-	-	3852132	-	5	925
046	0557604	-	3	4x9	1	-	931
047	0557632	-	1	5x12	1	-	932
048	0557648	7	-	3852132	1	3	934
049	0557645	8 1/2	-	3852132	1	4	935
050	0557646	-	3	3x7	1	-	936
051	0557666	-	3	3852132	1	-	937
052	0557664	-	3	5x8	1	-	938
053	0557705	-	2	3852132	1	-	939
054	0557722	-	-	4x8	1	5	940
058	0557716	-	-	5853557	1	5	941

Category Guide
Burrows and Dens

1. Currently active, with tortoise or recent
2. Good condition, definitely tortoise, no
3. Deteriorated condition (please describe)
4. Deteriorated condition; possibly tortois
5. Good condition; possibly tortoise (pleas

Scats

1. Wet (not from rain or dew) or freshly dr
2. Dried with glaze; some odor. Dark brow
3. Dried; no glaze or odor; signs of bleaching material
4. Dried; light brown to pale yellow, loose r
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

040 - 0558633
3852461
tortoise in burrow E23
adult

041 0558633
3852853
egg shell fragments

043 0558599
3853274
mating ring

*delete 933 picture

check
50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

Download required (✓ when complete)
 GPS pts and track log
 photos

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 6 Apr 10 Cell Number: C18 Observers: DM, RL, Jgr
DF, Wendy

GPS (✓) UMT WGS 84 Track Log on Cloud%: _____ Wind(mph): _____
 Start Time: 1315 Temp(F): _____ Cloud%: _____ Wind(mph): _____
 End Time: 1425 Temp(F): _____ Wind(mph): _____

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
228			4	2x8			3178
229			4	4x6			3179
230	1	—	1	4x8	—	—	3180
231			3	6x8			3181
232			3	5x7			3182
233			2	8x14			3185
234						6	3194
235						5	
294	F	8					3125 3192
Point			3	8x10			
237			3	6x8			3197
238			3	6x8			3198
239			3	8x14			3199

Category Guide
 Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

235 white scutes long and
 237 under pencil shell, new burrow, 23c
 230 = DT 35
 236 = DT 30
 Scat Old 1
 new 1

Download required (✓ when complete)

GPS pts and track log

photos

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 21 APR 12 Cell Number: D19 Observers: Brandon Nossel, Gilda Barboza, Mark Brewer, Jennise Brewer, Nate Jones

GPS (✓) UMT WGS 84 Track Log on
 Start Time: 9:04 Temp(F): _____ Cloud%: 5% Wind(mph): 5-10
 End Time: 12:40 Temp(F): _____ Cloud%: 2% Wind(mph): 5-10

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
047	-	-	1	5x12	-	-	2187
048	-	556141	-	-	385334	-	2193
	2	10	-	-	-	-	-
049	-	556035	3	4x12	-	-	2194
	-	-	-	4x12	-	-	-
050	-	556043	2	5x13	385354	-	2195
	-	-	-	3853685	-	-	-
051	-	556051	-	-	-	5	2196
	-	-	-	-	-	-	-
052	-	555910	3	8x14	3853297	-	2197 2198
	-	-	-	8x14	-	-	-
053	-	555908	2	6x12	385328	-	2199
	-	-	-	6x12	-	-	-
054	-	555867	3	4x12	3853359	-	2200
	-	-	-	4x12	-	-	-
055	-	555836	2	3x7	3853613	-	2201
	-	-	-	3x7	-	-	-
056	-	555779	3	4x12	3853616	-	2202
	-	-	-	4x12	-	-	-
057	-	555816	3	4x9	3853499	-	2203
	-	-	-	4x9	-	-	-
058	-	555736	2	7x12	3853383	-	2205
	-	-	-	7x12	-	-	-
059	-	555761	2	6x13	3853378	-	2206
	-	-	-	6x13	-	-	-

Category Guide
Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

049 - ~~Entrance~~ Entrance to burrow collapsed small amount
 052 - Vegetation in mouth
 054 - Partially collapsed
 056 - partially collapsed
 057 - Fair condition
 OAB = DT 38
 Tortoise Scat
 This Year Next Year
 11 11

Download required (✓ when complete) photos
 GPS pts and track log

Date: 06APR10 Cell Number: 2718 Observers: Mark Brewer
Travis Sawyer
Gilda Barboza
Nate Jones

GPS (✓) UTM WGS 84 Track Log on

Start Time: 1242 Temp(F): _____ Cloud%: 22 Wind(mph): 5-10

End Time: 1405 Temp(F): _____ Cloud%: 2% Wind(mph): 0-5

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
062	-	SS5641	2	5x12	-	3853423	2214
063	-	SS5504	-	3853630	-	-	2215
064	-	SS5437	-	3853575	-	5	2216
065	FM	SS5367	-	3853457	-	5	2217
066	-	SS5369	1	3853471	-	-	2223
				4x10	-	-	2224

Category Guide
Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

Download required (✓ when complete) photos
 GPS pts and track log

Date: 07 APR 10 Cell Number: 0 D17 Observers: Mark Grouen, James Grouen, Brenda Neuhack, Gilde Barboza, Narda Flores
 GPS (✓) UMT WGS 84 Track Log on
 Start Time: 0849 Temp(F): _____ Cloud%: 0 Wind(mph): 0-5
 End Time: 1200 Temp(F): _____ Cloud%: 0 Wind(mph): 0-5

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
061	M	13	-	-	-	-	2209
067	-	-	-	-	-	-	2220
068	-	-	-	-	-	-	2226
069	-	-	-	-	-	-	2227
070	-	-	-	-	-	-	2228
071	-	-	-	-	-	-	2229
072	?	4	-	-	-	-	2234
073	-	-	-	-	-	-	2233
074	-	-	-	-	-	-	2235
075	-	-	-	-	-	-	2236
076	-	-	-	-	-	-	2237
077	-	-	-	-	-	-	2238
078	-	-	-	-	-	-	2239

Category Guide
Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

073 - Shell bits in mound of burrow from tortoise eggs
 061 = DT 51
 072 = DT 50

Tortoise Scat

This Year Not This Year

11

Download required (✓ when complete) photos
 GPS pts and track log

Date: 07 APR 10 Cell Number: Δ17 Observers: _____

GPS (✓) UMT WGS 84 Track Log on

Start Time: _____ Temp(F): _____ Cloud%: _____ Wind(mph): _____

End Time: _____ Temp(F): _____ Cloud%: _____ Wind(mph): _____

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
079	-	555209	1	3853290	-	-	2241
080	-	555205	2	7x15	-	-	2242
081	-	555240	2	7x12	-	-	2243
082	-	555252	3	5x10	3853627	-	2243
083	-	555263	2	4x10	3853690	-	2244
				3853679	-	-	2245

Category Guide

Burrows and Dens

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3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition (please describe); possibly tortoise
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown material
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

081 - Burrow had vegetation in mouse

Download required (✓ when complete)

GPS pts and track log

photos

Date: 4/11/10 Cell Number: EA4 Observers: JP, Craig, Angie
Lois, Peggy

GPS (✓) UMT WGS 84 Track Log on
Start Time: 1351 Temp(F): 63 Cloud%: 0% Wind(mph): 1-3
End Time: 1535 Temp(F): 80 Cloud%: 0% Wind(mph): 4-7

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
059	♂	9314	-	3852973	-	-	945
060	-	-	-	3852884	-	-	
061	-	858415	1	3852912	-	-	946
062	-	858419	1	6x13	-	-	947
063	-	858155	1	6x14	-	-	948
064	-	858138	3	6x9	-	-	949
065	-	858169	1	6x13	-	-	950
066	-	858260	1	5x12	-	-	951
067	-	858382	1	3852743	-	3	952
	-	-	-	6x9	-	-	953

Category Guide
Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats
67, 66
scaly appearance
rows, tightly packed
obvious odor
freshly dried; obvious odor
scats are peeling
S Point

Scat
++++
059 = DT 54
062 = DT 52
6 -

Download required (✓ when complete)
 GPS pts and track log photos

Date: 4/17/10 Cell Number: 709, 726 Observers: S. Arman C. Strickling
 GPS (✓) UTM WGS 84 Track Log on
 Start Time: 7:45 Temp(F): 60 Cloud%: 0 Wind(mph): 1-3
 End Time: 2:58 Temp(F): 70 Cloud%: 0 Wind(mph): 2-4

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
080	-	559254	3	6x8	3852828	-	4446
081	-	559093	1	7x12	3852588	-	4447
082	-	558932	2	6x10	3852574	-	4448
083	-	559144	-	-	3852518	-	4449
084	-	559008	2	6x10	3852819	-	4450
085	-	559206	3	8x10	3852457	-	4451
086	F	559457	-	-	3852450	-	4452
087	-	559467	-	-	3852445	-	4453
088	-	559146	1	7x12	3852419	-	4458
089	-	559033	2	5x8	3852430	0	4459
090	-	558944	2	6x10	3852395	-	4468
091	-	558993	2	6x12	3852374	-	4467
092	M	559015	-	-	3852454	-	4462-67

2450 - out 2440

Category Guide
Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

081 - nice burrow w/ tracks, some shell fragments
 - 894 SR & burrow under lava
 084 - only 1 burrow seen, 1st fresh diggings
 085 - entrance collapsed, some egg shells
 086 - DT SR + E no burrow under one, 2nd hole
 burrow (090, 091) see note. see on back, but not, they are
 087 - DT found 1st - sandy burrow, 2nd hole
 burrow (090, 091) see note. see on back, but not, they are

080 = DT AP
 092 = DT A1

Download required (✓ when complete) GPS pts and track log photos

Sub
012-11

Date: 4/6/16 Cell Number: 625 Observers: S. Amur
C. Strick
M. Staphyrin
D. Campbell
 GPS (✓) UMT WGS 84 Track Log on B
 Start Time: 8:14 Temp(F): 53 Cloud%: 10% Wind(mph): 2-5
 End Time: 11:40 Temp(F): 62 Cloud%: 0 Wind(mph): 0-6

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
054	-	558819	2	7x14	3	3852285	4412 4413
055	-	558779	3	6x17	-	3852291	4412
057	-	558624	2	6x10	-	3852094	4413
057	-	558505	2	4x7	-	3851926	4414
058	-	-	-	7x14	-	-	4415 4416
059	F	558521	-	3852295	-	-	4417 4418
060	-	558524	1	3852275	-	-	4422 4423
061	-	558387	3	6x8	-	3852094	4424 4425

Category Guide
Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
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Carcass Remains

1. Fresh or putrid
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3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

059 - low soil w/ chert
 057 - slightly deteriorated entrance
 058 - 93 shell fragments at/d. bone, tracks inside
 059 - low soil w/ lichen healthy - low to d. burrow = **DT 28**
 061 - under crevice, nice shape but **ATL** in picture in shade in picture
 054 carvers → C. Wankers
 055 8163 3852274

Download required (✓ when complete)
 GPS pts and track log photos

Date: 4/16/10 Cell Number: 728 Observers: D. Campbell, S. Murray, C. Smith, R. Adams, M. Pappalardo

GPS (✓) UMT WGS 84 Track Log on

Start Time: 1:05 Temp(F): 68 Cloud%: 0 Wind(mph): 36
End Time: 3:32 Temp(F): 72 Cloud%: 0 Wind(mph): 25

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
<u>066</u>		<u>558815</u>	<u>2</u>	<u>6x10</u>	<u>3852116</u>		<u>4426</u>
<u>067</u>		<u>558815</u>	<u>3</u>	<u>6x10</u>	<u>3852482</u>		<u>4427</u>
<u>068</u>		<u>558844</u>			<u>3852609</u>		<u>4428</u>
<u>069</u>		<u>558787</u>			<u>3852854</u>		<u>4433</u>
<u>070</u>		<u>558644</u>	<u>3</u>	<u>16x13</u>	<u>3852482</u>		<u>NO</u>
<u>071</u>		<u>558545</u>			<u>3852403</u>		<u>4435</u>
<u>072</u>		<u>558528</u>	<u>1</u>	<u>6x10</u>	<u>3852426</u>		<u>4436</u>
<u>073</u>		<u>558535</u>			<u>3852451</u>		<u>4437</u>
<u>074</u>		<u>558519</u>		<u>6x10</u>	<u>3852468</u>		<u>4438</u>
<u>075</u>		<u>558526</u>			<u>3852552</u>		<u>4439</u>
<u>076</u>		<u>558474</u>			<u>3852442</u>		<u>4440</u>
<u>077</u>		<u>558482</u>	<u>3</u>	<u>6x10</u>	<u>3852440</u>		<u>4443</u>
<u>078</u>		<u>558495</u>		<u>7x10</u>	<u>3852353</u>		<u>4444</u>
<u>079</u>		<u>558426</u>	<u>3</u>	<u>9x15</u>	<u>3852681</u>		<u>4445</u>

Category Guide

- Burrows and Dens**
1. Currently active, with tortoise or recent tortoise sign
 2. Good condition, definitely tortoise, no evidence of recent use
 3. Deteriorated condition (please describe); definitely tortoise
 4. Deteriorated condition; possibly tortoise (please describe)
 5. Good condition; possibly tortoise (please describe)

- Scats**
1. Wet (not from rain or dew) or freshly dried; obvious odor
 2. Dried with glaze; some odor. Dark brown
 3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
 4. Dried; light brown to pale yellow, loose material; scaly appearance
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- Carcass Remains**
1. Fresh or putrid
 2. Normal color; scutes adhere to bone
 3. Scutes peeling off bone
 4. Shell bone is falling apart; growth rings on scutes are peeling
 5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

069 - ~3" juv. Name Prediction in
070 - collapsed entrance
071 - looks active, possibly occupied, but see below, tracks!
073 - Carcass material, some debris in front, fragments!
074 - entrance collapsed, bones full in
076 - No burrow, possibly occupied, but heard nothing but not repeated.
076 - no signs, collapsed like 074!
Scat
3 - must be such here as large 75"
1 - from a site bit Test 076
111111

Download required (✓ when complete) GPS pts and track log photos

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 07 APR 10 Cell Number: C17 Observers: M. Brummer
J. Browner
B. Nasserabadi
N. Jones
G. Barabza
GPS (✓) UMT WGS 84 Track Log on
Start Time: 1202 Temp(F): _____ Cloud%: 0 Wind(mph): 0-5
End Time: 1535 Temp(F): _____ Cloud%: 0 Wind(mph): 0-5

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
084	-	555270	2	5x10	-	-	2246
085	-	555269	1	5x9	-	-	2247
086	+?	555230	-	3853887	-	-	2248
087	-	555228	1	2x4	-	-	2250
088	-	555257	-	3854064	-	5	2251
089	-	555191	3	4x12	-	-	2252
090	M	555111	-	3854169	-	-	2253
091	-	554987	1	6x14	-	-	2258
092	-	554991	1	3853844	-	-	2259
093	-	554956	2	5x12	-	-	2260
094	-	554941	1	4x8	-	-	2261

Category Guide

Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

089 - Burrow has partially collapsed roof
 086 = DT A9
 090 = DT A8
 JTM

Tortoise Scat
 This Year Not This Year
 14111 14111

Download required (✓ when complete) photos
 GPS pts and track log

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 4/6/10 Cell Number: E17 Observers: TRAY DJLAS
 GPS (✓) UMT WGS 84 Track Log on SWING
 Start Time: 0839 Temp(F): 56.0°F Cloud%: 2/1 Wind(mph): 5-6
 End Time: 1110 Temp(F): 66.5°F Cloud%: 0/1 Wind(mph): 5-8

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
6		0554945	3	4x8	3852910		61-62
7		0554965	3	8x12	3852985		63-64
8		0554978	3	7x10	3853049		65-67
9	F	0555004	1	6x10	3853098		68-72
10		0555065	3	6x12	3852995		73-75
11		0555051	3	7x10	3853189		76-78
12		0555076	3	5x10	3853216		79-81
13		0555086	3	4x10	3852956		82-84
14		0555147	3	6x16	3853046		85-88
15		0555138	3	7x14	3853218		89-91
16		0555202	3	8x16	3853251		96-98
17		0555197	3	5x8	3853150		99-101
18		0555196	3	4x11	3853136		102-103

* 92-95 - juv DEFB on cell 017

((cont on back)))

Category Guide

- Burrows and Dens**
1. Currently active, with tortoise or recent tortoise sign
 2. Good condition, definitely tortoise, no evidence of recent use
 3. Deteriorated condition (please describe); definitely tortoise
 4. Deteriorated condition; possibly tortoise (please describe)
 5. Good condition; possibly tortoise (please describe)

- Scats**
1. Wet (not from rain or dew) or freshly dried; obvious odor
 2. Dried with glaze; some odor. Dark brown
 3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
 4. Dried; light brown to pale yellow, loose material; scaly appearance
 5. Bleached, or consisting only of plant fiber

- Carcass Remains**
1. Fresh or putrid
 2. Normal color; scutes adhere to bone
 3. Scutes peeling off bone
 4. Shell bone is falling apart; growth rings on scutes are peeling
 5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

9 = DT33

JTW

Download required (✓ when complete)

- GPS pts and track log photos

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 3/6/10 Cell Number: E19 Observers: Dennis, Tracy, Deana, Josh

GPS (✓) UMT WGS 84 Track Log on

Start Time: 2:00 Temp(F): 71°F Cloud%: 0% Wind(mph): 8-10

End Time: 4:00 Temp(F): 75°F Cloud%: 0% Wind(mph): 8-10

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
25	-	555748	2	4.5 x 8.5	3	385 2956	118-120
26	-	555838	3	5 x 18	-	-	122-124
	-	555869					
27	-	-	1	6 x 12	-	-	125-127
	-	555889					
28	-	-	3	5 x 9	-	-	128-130
	-	555924					
29	-	-	2	4 x 9	-	-	131-133
	-	555966					
30	-	-	1	5.5 x 11	2	-	134-136
	-	556099					
31	-	-	2	4.5 x 9	3	-	137-139
	-	556113					
32	-	-	2	5 x 8	3	-	140-142
	-	-					

Category Guide

- Burrows and Dens**
1. Currently active, with tortoise or recent tortoise sign
 2. Good condition, definitely tortoise, no evidence of recent use
 3. Deteriorated condition (please describe); definitely tortoise
 4. Deteriorated condition; possibly tortoise (please describe)
 5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

John

Download required (✓ when complete) GPS pts and track log photos

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 4/7/10 Cell Number: E22 Observers: Deanna, Josh
 GPS (✓) UMT WGS 84 Track Log on Track log used at cell
 Start Time: 0850 Temp(F): 57°F Cloud%: 6% Wind(mph): 0-3
 End Time: 1114 Temp(F): 69°F Cloud%: 0% Wind(mph): 5-10

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
33	-	557386	3	4x8.5	3852986	-	143-145
34	F	557274	1	3x8	3852938	-	146-151
35	-	557274	2	6x11	3852906	-	152-154
36	-	557290	2	5x10	3852907	-	155-157
37	-	557290	2	5x10	3853043	-	158-160
38	-	557274	2	5x11	3853139	-	161-163
39	-	557204	3	5.5x10	3853160	-	164-166
40	F	557094	1	6x12	3853058	-	167-172
41	M	557088	1	4x10	3853066	-	173-178
42	-	559105	3	5x10	3853056	-	179-182

Category Guide

Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material, scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

34 = DT42
 40 = DT43
 41 = DT44

Download required (✓ when complete) GPS pts and track log photos

Date: 4/7/10 Cell Number: E21 Observers: Josh, Penny
Rob

GPS (✓) UMT WGS 84 Track Log on Track Log

Start Time: 1118 Temp(F): 69°F Cloud%: 0 Wind(mph): 5-10
End Time: 1315 Temp(F): 71°F Cloud%: 0 Wind(mph): 5-10

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
43	F	556979	-	-	-	5	187-184
44	-	556990	1	6x12	2-4	-	190-193
	-	556760	3	4.5x7	385 2809	-	191-196
45	-	556756	1	6x12	385 3110	-	192-199
	-	556751	-	-	385 3100	-	200-205
47	M	10	-	-	-	-	200-205
	-	556721	-	385 3023	-	-	206-208
48	-	-	1	5x11	-	-	206-208
	-	556647	3	4x7.5	385 3160	-	209-211
49	-	-	-	-	-	-	-

Category Guide

Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

47--DT 45

Download required (✓ when complete) GPS pts and track log photos

Date: 4/10 Cell Number: E20 Observers: Dreama Josh
Rob

GPS (✓) UMT WGS 84 Track Log on
Start Time: 1414 Temp(F): 72°F Cloud%: 0% Wind(mph): 0-8
End Time: 1615 Temp(F): 73°F Cloud%: 0% Wind(mph): 0-5

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
50	-	556609	3	5x8	3853244	-	222-214
51	-	556524	3	5x11	3852928	-	216-218
52	-	556544	3	6x8	3853123	-	219-221
53	-	556505	1	8x12	3853196	-	222-223
54	-	556516	3	3.5x8	3852991	-	224-226
55	-	556432	3	4x9	3852792	-	227-228
56	M	556429	-	-	3853063	-	229-233
57	-	556327	3	3x8	3853161	-	234-236
58	-	556314	3	3.5x10	3853146	-	237-238
59	-	556323	2	6x11	3853012	-	239-241
60	F	556252	-	-	3852877	-	242-248

Category Guide

Burrows and Dens

1. Currently active; with tortoise or recent tortoise sign
2. Good condition; definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow; loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

56 = DT A

Download required (✓ when complete) GPS pts and track log photos

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Category Guide

Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
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Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

Scat
1111111

Date: 4/8/16 Cell Number: 602 Observers: R. Coagly, Lester Angie, Peggy
 GPS (✓) UMT WGS 84 E-Track Log on E
 Start Time: 0557 Temp(F): 66° Cloud%: 5% Wind(mph): 1-3
 End Time: 1135 Temp(F): 75° Cloud%: 0% Wind(mph): 4-7

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
068	-	-	1	5x12	-	-	955
069	F	8	-	3853753	-	-	956
078	-	-	1	5x12	-	-	957
071	-	-	1	6x13	2	-	958
072	M	8 1/2	1	3854044	-	-	959
073	-	-	1	7x12	-	-	960
074	-	-	1	7x11	2	-	961
075	-	-	1	3853843	-	-	962
076	-	-	1	7x11	-	-	963
077	-	-	1	6x11	-	-	964
078	-	-	1	4x11	-	-	965
079	-	-	1	3854122	-	-	966

Download required (✓ when complete)

- GPS pts and track log photos

Date: 4/8/16 Cell Number: 623 Observers: JR, Lisa, Craig, Peggy, Angie
 GPS (✓) UMT WGS 84 Track Log on
 Start Time: 1136 Temp(F): 70 Cloud%: 5% Wind(mph): 4-7
 End Time: 1530 Temp(F): 80 Cloud%: 0% Wind(mph): 1-3

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
080	—	9	—	—	—	—	967
081	—	0557672	—	3854055	—	—	968
082	—	0557789	1	3654123	—	—	969
083	—	0557793	—	448	—	—	970
084	—	0557958	—	3854076	—	3	971
085	—	0557952	1	3854151	—	—	972

Category Guide

Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe): definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

scat
1

Download required (✓ when complete)

- GPS pts and track log photos

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 8 April Cell Number: D21 Observers: Paul, Rick, Wendy, Roger, Paul

GPS (✓) UMT WGS 84 Track Log on

Start Time: 0830 Temp(F): _____ Cloud%: _____ Wind(mph): _____

End Time: 1140 Temp(F): _____ Cloud%: _____ Wind(mph): _____

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
001			3	35x8			3223
002	M	12					3224 3225
003			2	7x12			3226
005	M	11					3227 3228
			1	7x11	3 (new)		3229
006	F	9					3230
007			2	6x15			3231
008			2	7x16			3232

Category Guide

Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
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Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

004 likely BURROW burrow
 006 ~~burrow~~ associated with tort 005
 009 likely BURROW burrow
 2 DT 57

Download required (✓ when complete)

GPS pts and track log photos

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 8/11/10 Cell Number: 21 Observers: pm, mc, mundy, ang, paul f

GPS (✓) UMT WGS 84 Track Log on

Start Time: 1140 Temp(F): _____ Cloud%: _____ Wind(mph): _____

End Time: 1515 Temp(F): _____ Cloud%: _____ Wind(mph): _____

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
<u>010</u>			<u>2</u>	<u>8x16</u>			<u>3237</u>
<u>011</u>			<u>3</u>	<u>5x10</u>			<u>3238</u>
<u>012</u>						<u>5</u>	
<u>013</u>			<u>2</u>	<u>7x15</u>			<u>3239</u>
<u>014</u>			<u>2</u>	<u>7x17</u>	<u>4</u>		<u>3240</u>
<u>016</u>			<u>3</u>	<u>7x18</u>			<u>3241</u>

Category Guide

Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe): definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

Download required (✓ when complete)

GPS pts and track log photos

Date: 8 Apr 2010 Cell Number: B20 Observers: R. DeBora Tracy

GPS (✓) UMT WGS 84 Track Log on
 Start Time: 13:30 Temp(F): 78°F Cloud%: 0% Wind(mph): 5-10
 End Time: 16:20 Temp(F): 80°F Cloud%: 0 Wind(mph): 5-10

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
005		<u>556630</u>	<u>2</u>	<u>5x9</u>	<u>3854374</u>		<u>079</u>
<u>Live Tent</u> 006		<u>556574</u>			<u>3854245</u>		<u>080</u>
007		<u>0556337</u>		<u>4wk. 29</u>	<u>3854216</u>		<u>081</u>
008		<u>0556272</u>		<u>F. 10.5</u>	<u>3854395</u>		<u>081-085</u>
<u>Live</u> 009		<u>6556224</u>			<u>3854439</u>		<u>086</u>

Category Guide

- Burrows and Dens**
1. Currently active, with tortoise or recent tortoise sign
 2. Good condition, definitely tortoise, no evidence of recent use
 3. Deteriorated condition (please describe): definitely tortoise
 4. Deteriorated condition; possibly tortoise (please describe)
 5. Good condition; possibly tortoise (please describe)

- Scats**
1. Wet (not from rain or dew) or freshly dried; obvious odor
 2. Dried with glaze; some odor. Dark brown
 3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
 4. Dried; light brown to pale yellow, loose material; scaly appearance
 5. Bleached, or consisting only of plant fiber

- Carcass Remains**
1. Fresh or putrid
 2. Normal color; scutes adhere to bone
 3. Scutes peeling off bone
 4. Shell bone is falling apart; growth rings on scutes are peeling
 5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

005- Burrow under shrub. dense hummocks.
 007- carcass scattered in wash.
 008 - carcass scattered in wash.
 006 - DT 68

Download required (✓ when complete) photos
 GPS pts and track log

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 08 APR 10 Cell Number: B21 Observers: M. Brewer
J. B. Brewer
H. Jones
R. Burman

GPS (✓) UMT WGS 84 Track Log on Cloud%: 0 Wind(mph): 0-5

Start Time: 1122 Temp(F): _____ Cloud%: _____ Wind(mph): _____
End Time: _____ Temp(F): _____ Cloud%: _____ Wind(mph): _____

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
100	-	556984	2	7x20	3854343	-	2267
101	-	556852	2	8x14	3854368	-	2268
102	-	556843	2	6x12	3854392	-	2270
103	-	556848	2	5x10	3854376	-	2271
104	-	556837	1	8x14	3854421	-	2272
105	F	556831	-	3854426	-	-	2273
106	-	556804	-	3854517	-	-	2274
107	-	556729	-	3854420	-	5	2275

Category Guide

Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown); tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

100 - caliche core
101 - burrow w/ two entrances

Download required (✓ when complete)

- GPS pts and track log photos

Date: 4/8/10 Cell Number: ES Observers: M. Tringali, D. Campbell, S. Arwin, C. Shiner

GPS (✓) UTM WGS 84 Track Log on
 Start Time: 9:00 Temp(F): 66 Cloud%: 0 Wind(mph): 1-3
 End Time: 2:10 Temp(F): 79 Cloud%: 0 Wind(mph): 1-3

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
098	-	220	-	-	3852816	-	4473
099	-	558475	2	8x20	3853187	-	4474
100	-	558480	1	7x12	3852915	-	4475
101	-	558528	2	6x12	3852912	-	4476
102	F	210	-	-	3853172	-	4477
103	-	558572	-	-	3853167	-	4482
104	-	558562	1	5x8	3853174	-	4484
105	-	558562	2	5x8	3853174	-	4485
105	M	558541	-	-	3852876	3	4486
106	M	280	-	-	3852913	3	4487
106	M	280	-	-	3852841	3	4488
107	-	558677	1	6x10	3853112	-	4489
108	-	558680	1	7x14	3853112	-	4490
109	-	558764	2	285x2814	3852814	-	4491

Category Guide

- Burrows and Dens**
1. Currently active, with tortoise or recent tortoise sign
 2. Good condition, definitely tortoise; no evidence of recent use
 3. Deteriorated condition (please describe); definitely tortoise
 4. Deteriorated condition; possibly tortoise (please describe)
 5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

098- egg shells outside burrow!
 100-tracks & scat in burrow
 103- w/ln E of DT 102, nice tracks inside!
 105- large ♂, some coprol produced in on dry decompos-
 107- more burrow in nice shade tracks!
 108- tracks
 109- burrow in side of rock, coprol scat w/ DT marks

Scat 012 - (1111)
 new -

Download required (✓ when complete) photos
 GPS pts and track log

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 5 April 10 Cell Number: C13 Observers: DM & C Pa

GPS (✓) UMT WGS 84 Track Log on

Start Time: 1:30 Temp(F): _____ Cloud%: _____ Wind(mph): _____

End Time: 3:00 Temp(F): _____ Cloud%: _____ Wind(mph): _____

Super windy

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
018	?	7		5x8			3246 3249
019	M	13					3250
020			3	6x12	4		3248
021			4	6x10			3249
022			4	5x8			3251
023			1	6x8			3252
024			2	5x7			3253
025			1	6x20			3254
026	F	9					3255

Category Guide
Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe): definitely tortoise
4. Deteriorated condition: possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

023 burrow clean with possible tracks
marks near end of tort 018

Download required (✓ when complete) GPS pts and track log photos

Date: 4/8/10 Cell Number: E26 Observers: S. Amur
Co. Strick
O. Campbell
M. Traphagen
 GPS (✓) UMT WGS 84 Track Log on
 Start Time: 10:38 Temp(F): 78 Cloud%: 0 Wind(mph): 24
 End Time: 16:23 Temp(F): 82 Cloud%: 0 Wind(mph): 1-3

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (inches)	Burrow Category (1-5)	Burrow H x W (inches)	Scat Category (1-5)	Carcass Category (1-5)	
110	M	240	-	3853000	-	-	4293 4292
111	-	-	2	6x11	-	-	4298
112	-	558947	3	5x9	-	-	4294
113	F	240	-	3852784	-	3	4300
114	-	559035	2	7x15	-	-	4309
115	-	55975	-	3852825	-	5	4302
116	-	559261	-	3853210	-	-	4303- 4304
117	M	240	-	3852991	-	-	4305- 4306
118	M	260	-	3852221	-	-	4307
119	M	300	-	3852854	-	-	4308- 4307

5 in call E26

Category Guide

- Burrows and Dens**
1. Currently active, with tortoise or recent tortoise sign
 2. Good condition, definitely tortoise, no evidence of recent use
 3. Deteriorated condition (please describe); definitely tortoise
 4. Deteriorated condition; possibly tortoise (please describe)
 5. Good condition; possibly tortoise (please describe)

- Scats**
1. Wet (not from rain or dew) or freshly dried; obvious odor
 2. Dried with glaze; some odor. Dark brown
 3. Dried; no glaze or odor; signs of bleaching (light brown); tightly packed material
 4. Dried; light brown to pale yellow, loose material; scaly appearance
 5. Bleached, or consisting only of plant fiber

- Carcass Remains**
1. Fresh or putrid
 2. Normal color; scutes adhere to bone
 3. Scutes peeling off bone
 4. Shell bone is falling apart; growth rings on scutes are peeling
 5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

112 - collapsed entrance, big rock in entrance (removed)
 114 - scat & tracks
 117 & 118 - next to each other, dirt is not close enough to verify sex or size, possibly mating!
 117 = DT 1e1
 118 = DT 1e2
 119 = DT 1e3

Download required (✓ when complete) photos
 GPS pts and track log

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 4/9/10 Cell Number: 604 073 Observers: _____

GPS (✓) UTM WGS 84 Track Log on

Start Time: 8:38 Temp(F): 66 Cloud%: 0 Wind(mph): 5-1

End Time: 1:45 Temp(F): 82 Cloud%: 0 Wind(mph): 0-2

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
R0	-	559687	1	7x13	385240	-	4514
R1	-	559667	2	8x16	3852817	-	4515
R2	-	559469	1	150x300	3852776	-	4516
R3	M	559424	-	-	3852947	-	4517
R4	F	559401	-	-	3853138	-	4522
R5	-	559386	2	6x10	3852852	-	4529

Category Guide

Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

R0 - Mice, large burrow w/ tracks
R1 - in bank of wash

124 = DT 20

Sub site - 11

Download required (✓ when complete) GPS pts and track log photos

Date: 9 APR 10 Cell Number: 912 Observers: DAW DEB DEB DEB
GPS (✓) UMT WGS 84 Track Log on
Start Time: 8:50 Temp(F): 65^{1/2} Cloud%: 0 Wind(mph): 0-5
End Time: _____ Temp(F): _____ Cloud%: _____ Wind(mph): _____

Category Guide

Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scars

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and structured

Enter notes below, link with corresponding GPS Point

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
010		05522593	2	35x9	3853677		087
011		05522603	2	5.5x10	3853492		088
012		05522619	2	3x6	3853485		089
013		05522631		3x6	3853691		090
014		681		4x7	576		091
015		871	1	6.5x11	502		092
016	M	665		505			093
017		668	3	439			094
018		757	1	5x10	603		095
019		737		480		1	096
020		803	3	687			097
021		857	1	5x9.5	487		098
022		890		533			099
023		889	1	9x5	519		

Live Tort. in burrow

B

010 - Sparse creosote burrage, Cobble sandy loam
014
021 - Live tort. in burrow
022 - Live tortoise (burrows qrs)
023 - Burrow for tortoise 022 size 9x5, condition: 1
UTM: - 889 - 519

Download required (✓ when complete) photos
 GPS pts and track log

Date: 4-12-2010 Cell Number: XXX Observers: Rick Bailey

GPS (✓) UMT WGS 84 Track Log on
 Start Time: 855 Temp(F): 45 Cloud%: 50 Wind(mph): 3-6
 End Time: 1310 Temp(F): 60 Cloud%: 70 Wind(mph): 3-10

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
13		552753	2	3850412			2182
14	F	552789	1	3850248			2183
15		552789		6H13W	2		
16		552814	3	3850221			2184
17		552862		4H8W			2185
18		552881		3850399			2186
19		552924	2	3H7W			2187
20		552932		3850243			2188
21		552990		7H15W	2		
22		553003		3850255			2189
23		553044	2	3850256			2190
				3850242			2191
				3850242			2192
				3850242			2193
				3850242			2194
				3850242			2195
				3850242			2196
				3850242			2197
				3850242			2198
				3850242			2199
				3850242			2200

Category Guide

- Burrows and Dens
1. Currently active, with tortoise or recent tortoise sign
 2. Good condition, definitely tortoise, no evidence of recent use
 3. Deteriorated condition (please describe); definitely tortoise
 4. Deteriorated condition; possibly tortoise (please describe)
 5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

4 = 6 feet Deep burrow, Tort, at entrance
 15 = Tortoise Egg shell
 21 = Burrow pellet
 Scat = This year
 22 - Carcass 120mm
 22 - Carcass 120mm

Download required (✓ when complete) GPS pts and track log photos

Jackson

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 4-13-2016 Cell Number: B17 & A17 Observers: Rick B, Gilla B, Wayne B, Peg W, TG, Jackson

GPS (✓) UMT WGS 84 Track Log on ✓
 Start Time: 9:10 Temp(F): 51 Cloud%: 0 Wind(mph): 5-10
 End Time: 12:30 Temp(F): 70 Cloud%: 0 Wind(mph): 3-8

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
B17 26		554968	1	5H10W	3854283		2192
B17 27		555041	1	6H17W	3854321		2193
B17 28	F	555068	1	5H10W	3854135		2194
A17 29		555054	2	6H12W	3854425		2195
A17 30	M	555126	1	6H11W	3854854		2196
A17 31			2	carcasses ~ 50' apart			2197
A17 32		555082			3854940		2197
B17 33		555165			3854191		2198
B17 34	M	555177	1	7HX13W	3854209		2199
A17 35		555181	2	SH11W	3854617		2200
A17 36		555218			3854719		2201
B17 40	M	555130			3854166		2205

Category Guide
Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

27 = 3 ft Deep
 28 = 1ft Deep Burrow, Tortoise 9 8 feet away from burrow, Location is just south of B17 boundary
 30 - Burrow 2 1/2 feet deep.
 32 - 3" sub. Carcass
 33 - Carcass 3 1/2" eaten by Raven
 34 - Tort, outside pallet 18" deep
 35 - 18" deep
 Scat - This year 11

Download required (✓ when complete)

- GPS pts and track log photos

36 = Crucifixion Thorn

Stash

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 4-13-2010 Cell Number: A1B & B1B Observers: Rick B, Gilda B, Wayne B, Reg W, TG, Son 2

GPS (✓) UMT WGS 84 Track Log on Wind(mph): 5-8

Start Time: 1310 Temp(F): 70 Cloud%: 0 Wind(mph): 5-8

End Time: 1400 Temp(F): 70 Cloud%: 0 Wind(mph): 5-8

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
B1B 37		555 290		385 4390		5	2202
B1B 38		555 277		385 4468		5	2203
B1B 39		555 339		385 4303		4	2204

Category Guide
Burrows and Dens
1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats
1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains
1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

~~B1B 37 555290 3854390 carc 5 pic 2202~~
~~38 555277 3854468 carc 5 pic 2203~~
~~39 555339 3854303 carc 4 pic 2204~~
 Scat This Year Not This Year
 B1B 1
 A1B 1

Download required (✓ when complete) GPS pts and track log photos

URS Corp.
Calico Solar 2010 Desert Tortoise Transect Surveys

Date: 4/12/12 Cell Number: WVS Observers: A. Berry, E. Summers, S. Armony, D. Munk, A. Eckhardson

GPS (✓) UMT WGS 84 Track Log on
 Start Time: 15:11 Temp(F): 70 Cloud%: 40 Wind(mph): 2-5
 End Time: 15:15 Temp(F): 67 Cloud%: 40 Wind(mph): 2-5

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
129	-	554248	3	3x6	3850160	-	4531
128	-	554206	3	4x7	3850342	-	4532
129	-	554244	3	3x7	3850413	-	4533
130	-	554052	3	4x7	3850152	-	4534
131	-	553956	3	5x9	3850347	-	4535
132	-	553910	3	4x7	3850349	-	4538

Category Guide
Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

129 - old DT burrow, dug out but clean!
 128 - old, entrance collapsed, but not totally blocked, opening.
 129 - old, last season hole, in use
 129 - 2 old burrows, partially active during Brown survey
 131 - 2 old burrows, DT signs, old
 132 - old rock DT sign

Download required (✓ when complete) photos
 GPS pts and track log

Date: 4/18/10 Cell Number: NR NR Observers: S. Ammer, A. Bann, D. Berlin, J. E. Sumner

GPS (✓) UMT WGS 84 Track Log on
 Start Time: 8:55 Temp(F): 64 Cloud%: 0 Wind(mph): 5-7
 End Time: 15:01 Temp(F): 76 Cloud%: 0 Wind(mph): 3-5

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
134	-	5552668	2	7x12	3854486	-	4039
135	M	555656	-	-	3854453	5	4540
136	M	555672	-	-	3854389	-	4541
137	F	210	-	-	3854228	-	4542
138	M	555597	-	-	3854237	3	4543
139	M	555557	-	-	3854190	3	4546
140	-	210	-	-	3854253	-	4552
141	-	555504	2	5x11	3854166	-	4558
142	-	-	3	-	-	-	4559
143	-	-	3	-	-	-	4560
144	-	-	2	-	-	-	4561
145	-	555345	2	6x12	3854493	-	4562
146	-	555402	2	8x16	3854651	-	4563
147	-	555354	3	10x10	3854577	-	4564

Category Guide

- Burrows and Dens
1. Currently active, with tortoise or recent tortoise sign
 2. Good condition, definitely tortoise, no evidence of recent use
 3. Deteriorated condition (please describe); definitely tortoise
 4. Deteriorated condition; possibly tortoise (please describe)
 5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
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Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

134-calcid DT care
 140-mrn calcid care,
 141-calcid care
 142-144-5 calcid care all clear higher, not visible
 145-calcid care w/ low level nest, dug out by DT
 146-calcid care w/ 2 tracks care
 147-lrg calcid care, possible DT.

Download required (✓ when complete) photos
 GPS pts and track log

Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 13 APR 2010 Cell Number: D-26 Observers: Rob D., Josh H., Matt, Terry B

GPS (✓) UMT WGS 84 Track Log on
 Start Time: 1300 Temp(F): 65.9F Cloud%: 0 Wind(mph): 5-10
 End Time: 15:50 Temp(F): 70.9F Cloud%: 0 Wind(mph): 5-10

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (inches)	Burrow Category (1-5)	Burrow H x W (inches)	Scat Category (1-5)	Carcass Category (1-5)	
038		0559817	2	5x10	3853674		123
039		0559114		3x5	3409		124
			2			5	
040						5	125
041		0559237			3853314		126
			2	6			
042		0559137	1	3x6			127
043							128
44							

Category Guide

Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

o.d. SCAT
 WED

Download required (✓ when complete)
 GPS pts and track log photos

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 13 Apr 10 Cell Number: 024 Observers: Dir King, Andy Mills, Nita

GPS (✓) UMT WGS 84 Track Log on
 Start Time: 0940 Temp(F): _____ Cloud%: _____ Wind(mph): _____
 End Time: 1139 Temp(F): _____ Cloud%: _____ Wind(mph): _____

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
027		8	1	7x13			3252
028			3	4x9			3257
029			1	7x4		1 out 2 burrow	3258
030			3	5x11			3261
031			2	6x8			3262
032							3264

Category Guide
Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

Download required (✓ when complete) photos
 GPS pts and track log

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 12/10/10 Cell Number: 023 Observers: Pat KT, Wendy Mills, Ned

GPS (✓) UMT WGS 84 Track Log on
 Start Time: 1130 Temp(F): _____ Cloud%: _____ Wind(mph): _____
 End Time: 1500 Temp(F): _____ Cloud%: _____ Wind(mph): _____

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
0399			2	4x8			3262
0394			2	6x18	010		3263
0395			1	6x18	2 used		3264
0396						200387	3265
0397			3	5x7	1500 (02)	in burrow	3266
0398						48	3267
0399						aperture	3268

Category Guide
Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown); tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

Download required (✓ when complete) photos
 GPS pts and track log

Date: 4/13/16 Cell Number: 925 Observers: DR, Carolyn, Jon
Christine, Leslie

GPS (✓) UMT WGS 84 Track Log on
 Start Time: 11:58 Temp(F): 68 Cloud%: 0 Wind(mph): 4-7
 End Time: 1:28 Temp(F): 74 Cloud%: 0 Wind(mph): 4-7

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
090	F	8	-	-	3853775	-	989
091	-	0558725	-	3853856	-	5	990
092	-	0558788	-	3853422	-	5	991
093	-	0558962	1	9x11	-	-	992
094	-	0558938	1	3x7	3553953	-	993
095	-	0558991	1	6x13	3553257	-	994

Category Guide
Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

Scat
 111
 Fresh Paint
~~0558962~~ 3854222

Tortoise Encounters
 outside sugar area } = 096
 0888195 3854215
 made 7/2 inches

Download required (✓ when complete)
 GPS pts and track log photos

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 15 April Cell Number: 813 Observers: DMK/HL/WS
Mylon/MS

GPS (✓) UMT WGS 84 Track Log on Cloud%: _____ Wind(mph): _____

Start Time: 1058 Temp(F): _____ Cloud%: _____ Wind(mph): _____

End Time: _____ Temp(F): _____ Cloud%: _____ Wind(mph): _____

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
051			2	5x10			3286
052			2	4x7			3285
053			2	6x12	010		3284
054			3	6x12	div in burrow		3287
055			3	7x14			3288
056			2				3289
057			2	7x14	2		3290
058						3	3291
059			3	5x8			3292
060			3	6x10			3293
061			2	7x16			3294
062			2	4x4			3292
063			3				3293

Category Guide
Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

Download required (✓ when complete)

- GPS pts and track log photos

A17 11
B19 11

Date: 4-15-2010 Cell Number: A19 & B19

Observers: Rick B, Wayne B, Alyssa B, TG Sade 50m, Regan W

GPS (✓) UMT WGS 84 Track Log on
Start Time: 0900 Temp(F): 62 Cloud%: 5 Wind(mph): 3-5
End Time: 1330 Temp(F): 75 Cloud%: 10 Wind(mph): 5-12

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
A19 41		555780	1		3854799		2206
B19 42		555865			3854357		2207
A19 43		555958			3854831		2208
B19 44	M	556173	Ø		3854381		2209
A19 45		556148			3854738		2210
A19 46		556154	2	SHALLOW	3854911		2211

1. Currently active, with tortoise or recent tortoise sign
2. Good condition, definitely tortoise, no evidence of recent use
3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
5. Bleached, or consisting only of plant fiber

Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

✓ - small adult sized rock shelter with 8 scats inside
 ✓ 42 = 10" ♀ Carcass level 4
 ✓ 43 = Bighorn Horn
 ✓ 44 = 10" male under *Encelia frutescens*
 ✓ 45 = Looks same as pt D12 from burrowing owl survey. carcass 9"

Download required (✓ when complete) photos
 GPS pts and track log

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 15 APR 010 Cell Number: A-12 Observers: Bob D
Josh Mc
Mackenzie

GPS (✓) UMT WGS 84 Track Log on
Start Time: 9:15 Temp(F): 85.9 Cloud%: 0 Wind(mph): 5
End Time: 11:47 Temp(F): 70.0 Cloud%: 10 Wind(mph): 10-15

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
047		6582592	3	11x4			135
048	M	6552783		3054928			136
049		~202	1	~496			137
050		~281	1	5.5x11			138
052		~967		~931			140
053		0553021	2	6x12			141
054		~3026		3854820			142
055		~3028		5x9.5		5	143
056	F	~3029	1	~631			144
				~628			
				4x8			

Category Guide

- Burrows and Dens
1. Currently active, with tortoise or recent tortoise sign
 2. Good condition, definitely tortoise, no evidence of recent use
 3. Deteriorated condition (please describe); definitely tortoise
 4. Deteriorated condition; possibly tortoise (please describe)
 5. Good condition; possibly tortoise (please describe)

- Scats
1. Wet (not from rain or dew) or freshly dried; obvious odor
 2. Dried with glaze; some odor. Dark brown
 3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
 4. Dried; light brown to pale yellow; loose material; scaly appearance
 5. Bleached, or consisting only of plant fiber

- Carcass Remains
1. Fresh or putrid
 2. Normal color; scutes adhere to bone
 3. Scutes peeling off bone
 4. Shell bone is falling apart; growth rings on scutes are peeling
 5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

✓ SCAT NEW |
✓ Carcass #2 category up to 051, photo 138 at edge of B-12 square

Download required (✓ when complete) photos
 GPS pts and track log

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 15 APR 010 Cell Number: A-13 Observers: Rog D B, Jenny B, Mark B, Josh Ron

GPS (✓) UMT WGS 84 Track Log on
Start Time: 12:30 Temp(F): 75⁰ Cloud%: 15-20 Wind(mph): 10-15
End Time: 14:15 Temp(F): 75 Cloud%: 50 Wind(mph): 10-15

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
057		216	2	4.5x9 -907			142
056		216	2	6x15			148
046	2	7		385-474a			150
059		216	2	4.5x9 -809			152
060		242	2	3.75x9 -623			151, 152
061	F	7.5		385x659			153, 154
062	3	314	1	4.5x8 711			155
063		317	2	5x10 -681			156
064		316	2	4.5x8 -652			157

Category Guide
Burrows and Dens

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3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
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4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS point

✓ 058 Caliche cave burrow
 ✓ wpt 046 - saw tortoise as approached
 A-12, took wpt no photo
 did not re locate at this location
 ✓ 047 - Scat inside burrow
 ✓ 061 - T4:5 is the tortoise found at
 wpt 046
 ✓ 062 - Tortoise in burrow

Download required (✓ when complete)

GRS pts and track log photos

065 photo 158 Tortoise in burrow
 creosote scrub, burrow A-13 cell

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 4/14/10 Cell Number: K14 Observers: A. Betty, S. Amik, P. Wank, E. Summers, D. Erlandson

GPS (✓) UMT WGS 84 Track Log on Cloud%: 0 Wind(mph): 1-3

Start Time: 0815 Temp(F): 56° Cloud%: 0 Wind(mph): 1-3

End Time: 1120 Temp(F): 77 Cloud%: 0 Wind(mph): 3

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
062		553467	3	6 x 10	3856234		4571
		553467	3	3 x 6	3850234		4572
063		553671	3	3 x 7	3850368		4573
		553891	3	4 x 8	385055		4574
064							
065							

Category Guide
Burrows and Dens

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3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
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1. Fresh or putrid
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3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

062 - old DT burrow, weather roof, veg growing
no scat found

063 - old DT burrow, weathered/potential dug out

064 - old DT burrow, weathered

065 - old DT burrow, veg growing @ entrance

Download required (✓ when complete) GPS pts and track log photos

JRS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 4/14/16 Cell Number: D13 Observers: JP Craig, Dan Leslie, Christina

GPS (✓) UMT WGS 84 Track Log on
 Start Time: 1955 Temp(F): 72 Cloud%: 0% Wind(mph): 4-7 mph
 End Time: 1428 Temp(F): 74 Cloud%: 0% Wind(mph): 4-7 mph

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (Inches)	Burrow Category (1-5)	Burrow H x W (Inches)	Scat Category (1-5)	Carcass Category (1-5)	
161	—	—	1	4x8	—	—	1002
162	—	—	1	5x13	—	—	1003
163	—	—	—	—	—	—	—
164	—	—	—	—	—	—	—
165	—	—	1	5x8	—	—	1005
166	—	—	—	—	—	—	—
167	—	—	1	3x4	—	—	1007
168	—	—	1	4x10	—	—	1009
169	—	—	1	3x6	—	—	1010

Category Guide
Burrows and Dens

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3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
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4. Dried; light brown to pale yellow, loose material; scaly appearance
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Carcass Remains

1. Fresh or putrid
2. Normal color; scutes adhere to bone
3. Scutes peeling off bone
4. Shell bone is falling apart; growth rings on scutes are peeling
5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

Scat
 1111 1111
 11

Download required (✓ when complete) photos
 GPS pts and track log

URS Corp.
Calico Solar 2010 Desert Tortoise Protocol Transect Surveys

Date: 4/13/16 Cell Number: 604 Observers: JR, Craig, Jon Leslie, Christine

GPS (✓) UTM WGS 84 Track Log on
Start Time: 0855 Temp(F): 48 Cloud%: 0% Wind(mph): 4-7 mph
End Time: 1150 Temp(F): 68 Cloud%: 0% Wind(mph): 4-7 mph

Category Guide

Burrows and Dens

1. Currently active, with tortoise or recent tortoise sign
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3. Deteriorated condition (please describe); definitely tortoise
4. Deteriorated condition; possibly tortoise (please describe)
5. Good condition; possibly tortoise (please describe)

Scats

1. Wet (not from rain or dew) or freshly dried; obvious odor
2. Dried with glaze; some odor. Dark brown
3. Dried; no glaze or odor; signs of bleaching (light brown), tightly packed material
4. Dried; light brown to pale yellow, loose material; scaly appearance
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5. Disarticulated and scattered

Enter notes below, link with corresponding GPS Point

✓ 084 Tortoise in burrow
✓ 088 Tortoise in burrow

GPS Point #	UTM Easting			UTM Northing			Picture #
	DT Sex (M/F)	DT Length (inches)	Burrow Category (1-5)	Burrow H x W (inches)	Scat Category (1-5)	Carcass Category (1-5)	
✓ 082	—	—	—	3853691	—	—	981
✓ 083	—	—	—	3854121	—	—	982
✓ 084	—	—	—	3854095	—	—	983
✓ 085	—	—	—	3858135	—	—	984
✓ 086	—	—	—	3858229	—	—	985
✓ 087	—	—	—	3858214	—	—	986
✓ 088	—	—	—	3858329	—	—	987
✓ 089	—	—	—	3858408	—	—	988

Download required (✓ when complete) GPS pts and track log photos



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

APPLICATION FOR CERTIFICATION

For the CALICO SOLAR (Formerly SES Solar One)

Docket No. 08-AFC-13

**PROOF OF SERVICE
(Revised 8/9/10)**

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DECLARATION OF SERVICE

I, Darin Neufeld, declare that on September 17, 2010, I served and filed copies of the attached Applicant's Submittal of Response to Motion to Compel Production of Information in Response to Data Requests, Set Two. 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/solarone].

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

(Check all that Apply)

FOR SERVICE TO ALL OTHER PARTIES:

- sent electronically to all email addresses on the Proof of Service list;
- by personal delivery;
- by delivering on this date, for mailing with the United States Postal Service with first-class postage thereon fully prepaid, to the name and address of the person served, for mailing that same day in the ordinary course of business; that the envelope was sealed and placed for collection and mailing on that date to those addresses **NOT** marked "email preferred."

AND

FOR FILING WITH THE ENERGY COMMISSION:

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

OR

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

CALIFORNIA ENERGY COMMISSION

Attn: Docket No. 08-AFC-13
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, that I am employed in the county where this mailing occurred, and that I am over the age of 18 years and not a party to the proceeding.

Original Signed By
Darin Neufeld