

TRAPPING REPORT

To: California Department of Fish and Wildlife:

Craig Bailey, Scott Osborn, Esther Burkett, Benessa Espinosa, Margarita

Gordus, Chad Hirano

United States Fish and Wildlife Service:

Wildlife Recovery Permit Coordinator – Sacramento Fish and Wildlife

Office, Chris Kofron, Patricia Cole, Justin Sloan

From: Joe McFaddin - MESA Biological

Adam Grimes - MESA Biological

Cc: Shelleena Pernot - ICF

Date: October 26, 2023

SUBJECT: Small Mammal Presence/Absence Trapping Survey the Southern

California Edison Gorman to Kern River Project, Kern County, CA

During the period spanning July 11, 2023, through September 22, 2023, Adam Grimes and Joe McFaddin (permitted trappers) conducted small mammal presence/absence trapping at the Southern California Edison Gorman to Kern River Overhead Power Transmission Line Replacement Project, Kern County, CA (Site). Trapping was conducted in accordance with United States Fish and Wildlife Service (USFWS) Recovery Permit TE 94654B-0 and California Department of Fish and Wildlife (CDFW) Memorandum of Understanding (MOU) 20190814, and conditions described in the 2013 USFWS Survey Protocol for Determining Presence of San Joaquin Kangaroo Rats.

Trapping was coordinated through ICF Environmental Consulting who provided project routing maps indicating the current location of the transmission line towers and proposed worksites. Prior to conducting trapping efforts, MESA Biological LLC (MESA) assessed the towers and worksites to locate potential presence of the Federal and State Endangered Tipton kangaroo rat (*Dipodomys nitratoides nitratoides*). The assessment focused on recording burrows potentially suitable for kangaroo rat while analyzing habitats to determine potential for presence. Based on presence of suitable habitats containing a relatively widespread burrow density, MESA concluded that a grid style setup

throughout each tower location and worksite would optimize the potential to detect presence of Tipton kangaroo rat. The grid trapping format was circulated in the emailed notification of intent to conduct small mammal trapping as well as communicated via conference call with regional USFWS and CDFW staff in attendance. Figures 1-6 illustrate the trap placements used for this sampling effort.

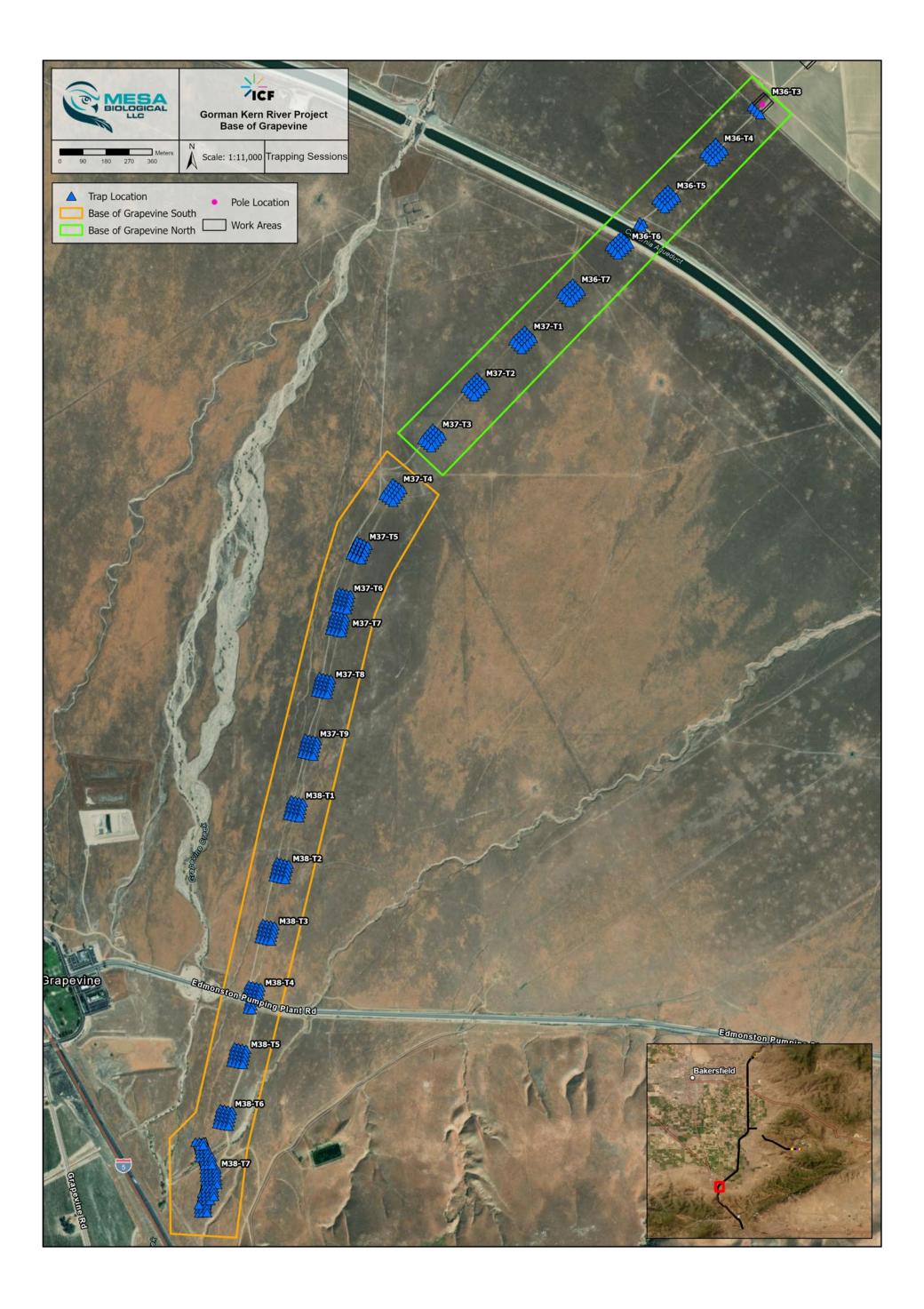
Trapping was conducted over 6-sessions and resulted in no detection of listed small mammals and was isolated to four small mammal species representing all trapped species, Heermann's kangaroo rat (*Dipodomys heermanni*), deer mouse (*Peromyscus maniculatus*), San Joaquin pocket mouse (*Perognathus inornatus*) and California ground squirrel (*Otospermophilus beecheyi*). In total, 104 Heermann's kangaroo rats, 114 San Joaquin pocket mice and 59 deer mice were captured with 128 noted as recaptured and released without additional processing. A single California ground squirrel was captured and released without additional handling or processing. As a precautionary measure, given the endemic presence of hantavirus (Sin nombre virus; Hanta cardiopulmonary syndrome), estimated at up to 12 percent of deer mouse populations, the 59 deer mice were not processed directly or marked for recapture statistics and released. Notes on recapture of this species were estimated due to proximity and frequency of presence of deer mice within a specific trap group at a trap grid. Non-mammal vertebrates collected in traps was isolated to a single species represented by western toad (*Anaxyrus boreas*).

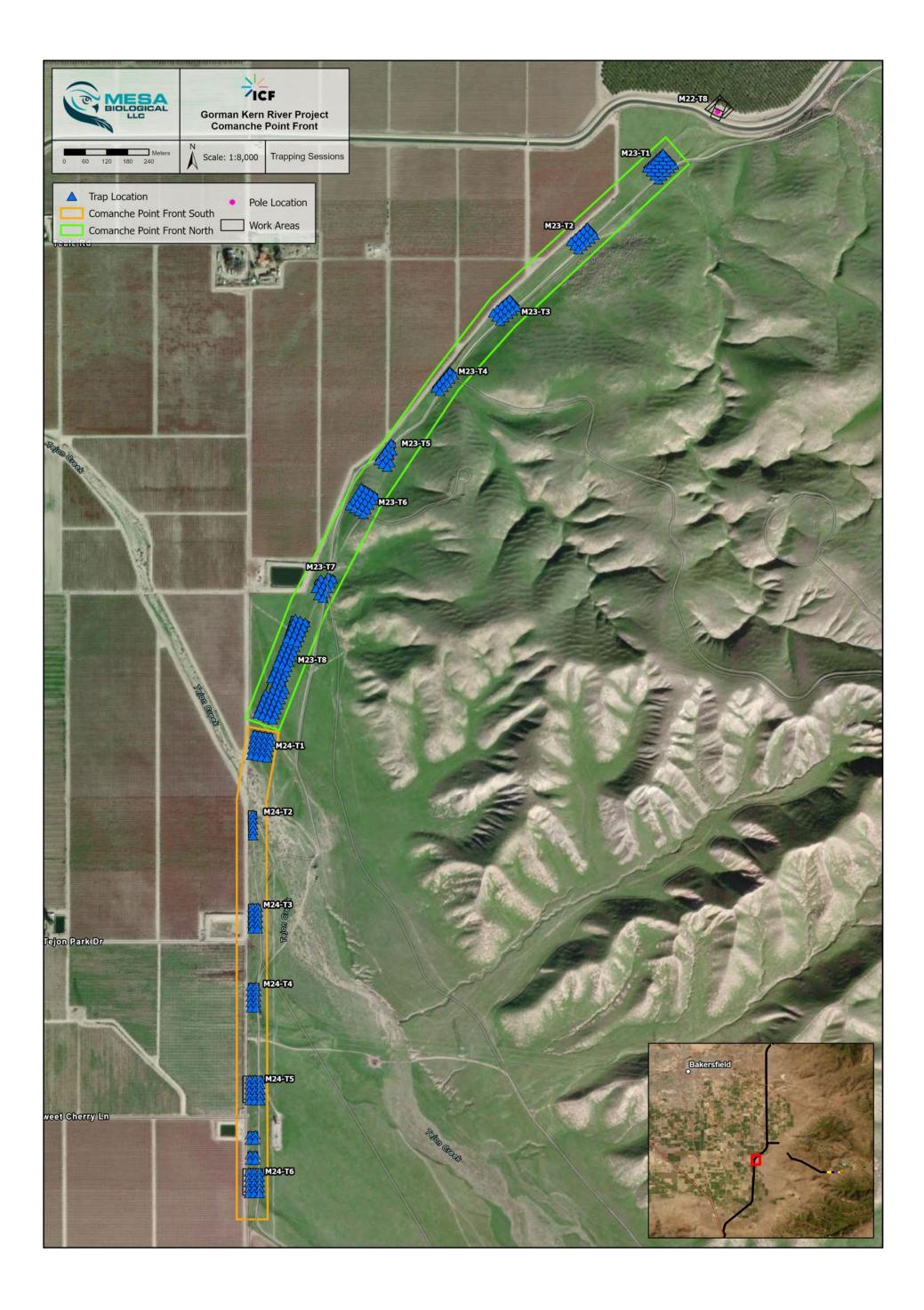
Identification of kangaroo rat species was based on toe count, and measured mass and hind foot length and were always consistent with the range of characteristics typical of Heermann's kangaroo rat. To aid in identification of recaptured kangaroo rats and pocket mice, initial captures were belly marked with a non-toxic felt pen after gathering required physical measurements. Capture locations were documented on handheld GPS enabled devices.

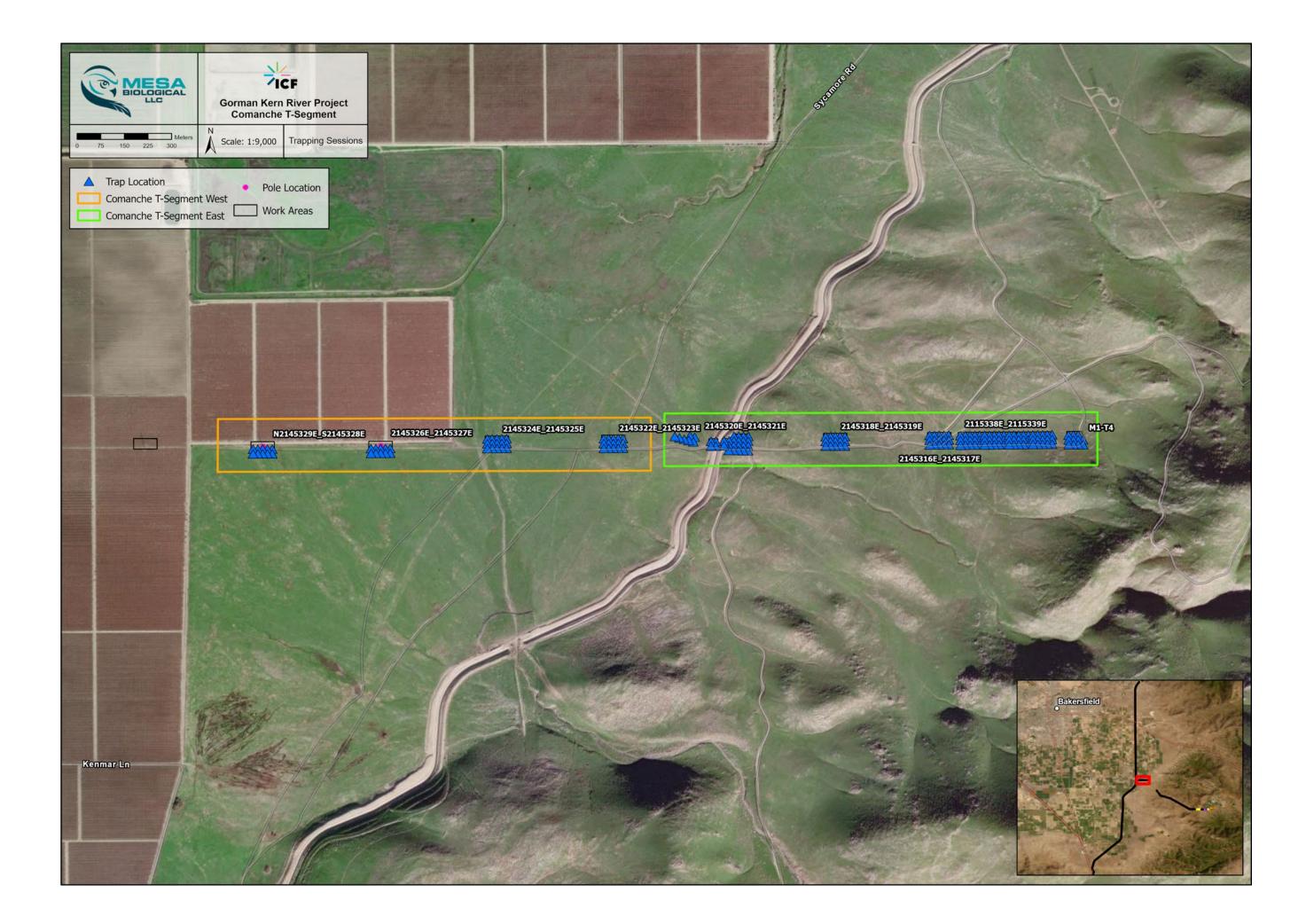
All captured animals were released in immediate proximity to the respective trapping location and done so without incident or mortality. A few animals were observed with minor abrasions and discoloration proximal to the nose, typical of those attempting escape, but were generally minor in concern and not considered detrimental to immediate health of each respective specimen. No animals were considered under duress, appeared generally healthy, and were active shortly after release.

No factors were identified that would have reduced trapping efficiency to the extent that if animals were present, they would have gone undetected. If present in the designated trapping locations, the extent of coverage and trapping effort in approximately the same period should have resulted in detection of the target small mammal species.











Time of Capture (24-Hour)	Species Abbreviation PEIN = San Joaquin pocket mouse (Perognathus inomatus) PEMA = deer mouse (Peromyscus maniculatus) DIHE = Heermann's kangaroo rat (Dipodomys heermanni) ANBO = western toad (Anaxyrus boreas) OTBE = California ground squirrel (Otospermophilus beecheyi)	Capture Status	Species Determination Morph = Morphology Mass HF =	Sex	Reproductive Status NR = non-reporoductive SCR = scrotal INT = intermediate ABD = abdominal REP = reproductive	Mass (grams)	Hind Foot Length (mm)	Health/Comments	Latidude	Longitude
Base of G	rapevine (South) July 11, 2023 - Trapper: Joe M	IcFaddin / Sc	ribes: Rory Miller							
23:50	PEIN		Morph	Female	NR	7	17		34.95931741	-118.9132756
23:47	PEIN	recapture	Morph						34.95942097	-118.9133716
23:36	PEMA								34.96211982	-118.909834
23:22	DIHE		Mass HF	Male	SCR	70	40		34.96285793	-118.9091692
23:20	DIHE	recapture							34.96271998	-118.9091605
23:18	DIHE	recapture							34.96276677	-118.9091936
06:34	PEIN		Morph	Unknown		9	16		34.95940895	-118.9133957
06:27	PEIN		Morph	Male	NR	9	14		34.95941243	-118.9134681
06:11	PEMA		Morph						34.96206231	-118.9098517
06:00	DIHE		Morph	Female	NR	70	40		34.96272289	-118.9090904
05:57	DIHE		Morph	Female	NR	67	38		34.96271118	-118.9090637
05:50	DIHE		Mass HF	Female	NR	78	39		34.96348089	-118.9085872
05:46	PEIN		Morph	Unknown		9	17		34.96322561	-118.9082844
05:31	DIHE		Mass HF	Female	NR	51	39		34.96495855	-118.9065121
05:23	DIHE		Mass HF	Male	NR	79	38		34.96489698	-118.9062201
05:22	PEIN		Morph	Female	NR	11	17		34.9608443	-118.9119296
05:17	PEMA	Purchase of the total action and the second action of the second							34.96083777	-118.9112187
05:13	PEMA	recapture		_					34.96205833	-118.9099109
05:02	DIHE	recapture		_					34.96288804	-118.9091532
05:00	DIHE	recapture							34.962786	-118.9091858
04:56	PEIN	recapture	<u> </u>						34.96325477	-118.9083066
01:17	DIHE		Mass HF	Male	NR	81	39		34.96355604	-118.9084894
00:51	PEIN		Morph	Female	NR	9			34.96099567	-118.9114045
Base of G	rapevine (South) July 12, 2023 - Trapper: Joe M	lcFaddin / Sc	ribe: Rory Miller, Rodney A	Aguirre						
00.50	DEM		INAI	F	ND		461		0.4.0000004	440.044704
23:56	PEIN		Morph	Female	NR	9	15		34.9606961	-118.911791
23:43	DIHE	recapture	-	-					34.96270376	-118.909103
23:42	DIHE	recapture	_	_					34.96277829	-118.9092127
23:38	DIHE	recapture		-					34.96287815	-118.9091666
23:37	OTBE	-	Morph	Familia	ND	7.0	10		34.96338035	-118.9085018
23:32	DIHE		Morph	Female	NR	70	40		34.96337301	-118.9080822
23:30	DIHE	-	Morph	Female	NR	65	39		34.96322134	-118.9082895
23:17	DIHE	-	Morph	Female	NR	68	39		34.96454466	-118.9066303
05:40	PEMA		-	-		-			34.95799699	-118.9151255
05:20	PEMA	recapture	-	-		1			34.96203676	-118.9098954
05:08	DIHE	recapture	_	-		-			34.96284894	-118.9091578
05:01	PEMA	rocontura	-	-					34.96354228	-118.9082767
04:48	DIHE DIHE	recapture	Mass HF	Mole	NR	64	40		34.964818	-118.9063069 -118.9064782
04:48 00:06	PEMA			Male	INFL	61	40		34.96462428 34.95780588	-118.9064782 -118.9149337
	rapevine (South) July 13, 2023 - Trapper: Joe M	lcFaddin / Sc	Morph ribe: Rory Miller, Rodney A	Aguirre					34.937 00368	-110.9149337
Base of G						40	15		34.95949239	-118.9135032
	PEIN		Morph	Female	MR					
23:47	PEIN		Morph	Female	NR NR	10				
23:47 23:44	PEIN	recenture	Morph Morph	Female Male	NR NR	10	19		34.95964168	-118.9131187
23:47 23:44 23:25	PEIN DIHE	recapture	Morph	Male	NR		19		34.95964168 34.96278032	-118.9131187 -118.9092071
23:47 23:44	PEIN	recapture				70			34.95964168	-118.9131187

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23:10	DIHE	recapture							34.96456111	-118.9066224
22:59	DIHE		HF Mass	Male	ABD	69	40		34.96617166	-118.9052395
								Small healing laceration below right eye. Not		
05:53	PEIN		Morph	Female	NR	9	10	7 trapping induced	34.95674602	-118.9164073
05:45	PEIN				A-25-3	1			34.95839145	-118.9148927
05:33	PEIN		i						34.96068856	-118.911788
05:30	PEMA								34.96094604	-118.9112953
05:16		recapture		_					34.96287065	-118.9091537
05:16	DIHE	recapture	1	1					34.96277067	-118.9091839
05:14	DIHE	recaptule	HF mass	Male	ABD	33	38	2	34.96282598	-118.9089944
04:58	PEMA		ПГ Паээ	IVIAIE	ADD	33	30		34.96457212	-118.9069944
		-	Mana LIE	Famoula	ND	00	20	Connected Hindlers constitute		
04:48	DIHE		Mass HF	Female	NR	23	38	B Emaciated. Hind legs very thin	34.9659612	-118.9049584
00:04	PEMA		N/2 Is	E	ND	40			34.9568299	-118.9165258
00:00	PEIN		Morph	Female	NR	10	16		34.95667237	-118.9162925
	apevine (South) July 14, 2023 - Trapper: Joe M	cFaddin / Sc	ribe: Rory Miller, Rodney A	Aguirre, Jad	en Drake					
23:09		recapture							34.96464745	-118.9065236
23:11	PEMA								34.96515227	-118.9065333
23:21	DIHE		Mass HF	Female			40		34.96341126	-118.9084689
23:28	DIHE	recapture							34.9627702	-118.9092091
23:24	DIHE	recapture							34.96286487	-118.9091734
23:45	PEIN	recapture							34.96069805	-118.9118004
23:45	PEMA								34.96079522	-118.9119206
06:08	PEMA								34.96072413	-118.9116218
06:16	PEIN			Female	NR	9	18	5	34.96212429	-118.9098354
05:01	DIHE	recapture							34.96336997	-118.9081063
05:06	PEMA		Ti Ti						34.96353047	-118.9083168
05:09		recapture	i i						34.96355777	-118.9085313
05:17		recapture				Ť			34.96481591	-118.9063589
05:20	DIHE	recapture	1			1			34.96456814	-118.9066144
05:22		recapture	Mass HF	Female	NR	72	40		34.96462905	-118.9065112
	apevine (North) August 1, 2023 - Trapper: Joe M		The state of the s							
00.50	DEIN	1	I Ma wala	Male	ISON.	22			04.005.40500	110,0000700
23:53	PEIN		Morph	Male	SCR	11	18		34.93540506	-118.9239799
23:31	PEIN		Morph	Female	REP	9	18	5	34.93901524	-118.9229854
05:40	PEMA		Morph	-					34.93695395	-118.923824
05:03	PEMA	-	Morph	-					34.9478625	-118.9206284
04:35	PEMA		Morph						34.95635638	-118.9164691
Base of Gr	apevine (North) August 2, 2023 - Trapper: Joe N	McFaddin, Ad	lam Grimes / Scribe: Karla	Lopez, Roc	Iney Aguirre, Samantha Mede	ellin				
23:46	PEIN		Morph	Female	NR	11	1.7	7	34.93530654	-118.9243852
23:30	PEMA		Morph						34.93866006	-118.9230908
Base of Gr	apevine (North) August 3, 2023 - Trapper: Joe M	McFaddin, Ad	lam Grimes / Scribe: Karla	Lopez, Roc	Iney Aguirre, Jeffrank Solorz	ano				
23:37	PEIN	recapture	Į.						0	0
23:35	PEIN		Morph	Female	NR	11	1.7	7	34.9386839	-118.9232108
23:24	PEMA		Morph						34.94270256	-118.9222243
23:13	PEIN		Morph	Female	NR	10	18	3	34.94583758	-118.9213302
23:09	PEMA		Morph						34.94787571	-118.9206405

Time of Capture (24-Hour)	Species Abbreviation PEIN = San Joaquin pocket mouse (Perognathus inomatus) PEMA = deer mouse (Peromyscus maniculatus) DIHE = Heermann's kangaroo rat (Dipodomys heermanni) ANBO = western toad (Anaxyrus boreas) OTBE = California ground squirrel (Otospermophilus beecheyi)	Capture Status	Species Determination Morph = Morphology Mass HF =	Sex	Reproductive Status NR = non-reporoductive SCR = scrotal INT = intermediate ABD = abdominal REP = reproductive	Mass (grams)	Hind Foot Length (mm)	Health/Comments	Latidude	Longitude
23:04	PEMA	1	Morph	T .		1			34.94973263	-118.9199612
05:32	PEMA	——	IVICIPII						34.93486724	-118.9244715
05:12	PEMA		Morph			1			34.9391032	-118.9229406
04:47	PEMA		Morph	+		1			34.94787107	-118.9206331
04:42	PEMA		Morph			1			34.94933054	-118.9202386
04.42	I LIVIA		INICIPII						34.94933034	-110.9202000
Base of Gr	apevine (North) August 4, 2023 - Trapper: Joe I	McFaddin, Ad	lam Grimes / Scribe: Karla	Lopez, Roc	Iney Aguirre, Dorothy Tran					
06:46	PEIN		Morph	Male	SCR	10	19		0	0
06:42	PEIN		Morph	Male	SCR	12			34.93442002	-118.9245958
06:39	PEMA	recapture							34.93485102	-118.9244823
06:36	PEIN		Morph	Male	SCR	10	19		34.93530543	-118.924094
06:34	PEMA	recapture				İ			0	0
06:29	PEMA	recapture				Ì	Í		0	0
06:24	PEMA	recapture				1			0	0
06:14	PEIN	rosupture	Morph	Female	NR	8	17		34.93908629	-118.9229438
06:10	PEIN	recapture	incipii	TOTTICALO	1411		1.2		0	0
05:48	PEMA	rocaptaro	Morph			1			34.94785186	-118.9206414
05:32	PEIN		Morph	Male	SCR	10	18		34.95316849	-118.9189108
05:27	PEMA	recapture	INICIPII	IVIAIO	3011	10	10		34.95334471	-118.9191111
05:23	PEMA	recapture	Morph						34.95508429	-118.9180373
Base of Gr 23:53	rapevine (North) August 5, 2023 - Trapper: Joe I	McFaddin, Ad	lam Grimes / Scribe: Sama	ntha Medel	lin, Rory Miller Rodney Aguir	re, Dorothy T	ran		34.94016568	-118.9226598
23:45	PEIN	recapture							34.93903496	-118.9229859
23:15	PEMA	recapture							34.9478999	-118.9206217
23:13	PEMA		Morph			Î			34.94801127	-118.9205922
23:09	PEMA		Morph						34.94974232	-118.9199824
22:53	PEMA	recapture					ĺ		34.95512018	-118.9180272
06:01	PEMA		Morph						34.9369322	-118.9238008
00:13	PEIN		Morph	Male	SCR	11	18		0	0
00:10	PEIN	recapture	1						34.93535857	-118.9240883
00:09	PIEN	recapture	T I	Male					34.9344657	-118.9245872
00:07	PEMA	recapture	Ti T						34.93523984	-118.9240779
00:06	PEMA								34.93446381	-118.924311
00:06	Pema	Î				Î			34.93489818	-118.9244726
00:04	PEMA								34.93695073	-118.9238196
00:03	PIEN			Female		10	17		34.94024313	-118.9225987
00:03	PEMA								34.93501965	-118.924339
00:02	PEMA	Ì	Morph						34.93546255	-118.9239584
	Point Front (South) August 8, 2023 - Trapper: J	oe McFaddir	/ Scribe: Rory Miller, Rodr	ney Aguirre						
23:09	DIHE		Morph	Male	SCR	74	42		35.12433651	-118.8410065
22:42	DIHE	Ì	Morph	Female	NR	70			35.12570283	-118.8411298
05:23	PEIN	Î	Morph	Male	SCR	10			35.12747139	-118.8403772
05:07	DIHE	1	Morph	Male	SCR	58			35.12615491	-118.8409829
05:05	PEIN		Morph	Female	NR	10			35.12579498	-118.8408154
04:41	DIHE		Morph	Male	SCR	57			35.11680891	-118.8408764
					A STATE OF THE STA	<u> </u>		Nose appeared raw. No residual blood or	551000001	

Time of Capture (24-Hour)	Species Abbreviation PEIN = San Joaquin pocket mouse (Perognathus inomatus) PEMA = deer mouse (Peromyscus maniculatus) DIHE = Heermann's kangaroo rat (Dipodomys heermanni) ANBO = western toad (Anaxyrus boreas) OTBE = California ground squirrel (Otospermophilus beecheyi)	Capture Status	Species Determination Morph = Morphology Mass HF =	Sex	Reproductive Status NR = non-reporoductive SCR = scrotal INT = intermediate ABD = abdominal REP = reproductive	Mass (grams)	Hind Foot Length (mm)	Health/Comments	Latidude	Longitude
Comanche	Point Front (South) August 9, 2023 - Trapper: J	Joe McFaddii	n / Scribe: Rory Miller, Rod	ney Aguirre						
23:06	DIHE		Morph	Female	NR	65	36		35.12248807	-118.840994
22:47	DIHE		Morph	Male	NR	60			35.11899071	-118.8411115
22:46	DIHE		Morph	Female	NR	60	38		35.11703871	-118.8411677
05:36	DIHE	recapture	Weight	Tomalo	EN C				35.12566232	-118.8411656
05:22	DIHE	. s suprais	Morph	Male	SCR	66	37		35.1223385	-118.8409388
05:13	DIHE		Morph	Male	ABD	59			35.11855784	-118.841187
							00		00.11000704	110.041107
	Point Front (South) August 10, 2023 - Trapper:	JOE WICHADA	iii / Scribe: Hory Miller, Ro	uney Aguirro	•					
23:22	DIHE	recapture							35.12570457	-118.8411000
23:19	DIHE		Morph	Male	SCR	69	40		35.12574243	-118.8411770
23:18	DIHE		Morph	Male	SCR	81	41		35.12604754	-118.8410481
23:10	DIHE		Morph	Male	SCR	75	40		35.1243381	-118.841027
23:06	DIHE	recapture							35.12434521	-118.8410437
23:05	DIHE		Morph	Female	NR	28	36 Young		35.12251987	-118.8410933
23:02	DIHE		Morph	Female	NR	57	35		35.12250718	-118.8410731
23:01	DIHE	recapture							35.12242845	-118.841048
22:57	DIHE		Morph	Male	SCR	70	40		35.11876473	-118.8411838
22:49	DIHE	recapture	Morph						35.11703815	-118.841214
22:47	DIHE		Morph	Female	NR	58	39		35.1178071	-118.841109
05:52	PEIN			Male	SCR	11	18		35.12821435	-118.8398691
05:50	DIHE		Morph	Male	SCR	66	38		35.12696678	-118.8403139
05:39	DIHE			Male	SCR	74	41		35.12612698	-118.8408791
05:27	DIHE	recapture							35.12432168	-118.8410587
05:23	DIHE	recapture							35.12270989	-118.8409338
05:19	DIHE		Morph	Male	SCR	93	44		35.12056685	-118.841106
05:15	DIHE	recapture							35.11850194	-118.8411522
05:12	PEIN	recapture		Unknown		7	16		35.11852866	-118.8408939
05:10	PEIN			Male	SCR	11	17		35.11672281	-118.8410419
05:07	DIHE	recapture							35.1170398	-118.8411749
05:06	DIHE	recapture							35.11681505	-118.8409347
05:03	DIHE	recapture							35.11671345	-118.8409006
Comanche	Point Front (South) August 11, 2023 - Trapper:	Joe McFadd	in / Scribe: Rory Miller, Ro	dney Aguirro	•					
05:37	PEIN			Male	SCR	10	17		35.12649322	-118.8406734
05:37	DIHE	recenture		IVIAIC	3011	10	17		35.12578558	-118.8410988
05:28	DIHE	recapture		-	-				35.124342	-118.841098
05:14	DIHE	recapture	-						35.12251457	-118.8410454
01:03	DIHE	recapture	-	-					35.12432497	-118.8410329
00:58	DIHE	recapture		-					35.12239792	-118.840956
00:56	DIHE	recapture		-					35.12230641	-118.8409384
	DIHE	recapture							35.12230641	
00:50		recapture		-						-118.84114
00:48	DIHE	recapture							35.11851055	-118.8411712
00:44	PEIN	recapture	-	-		-			35.11670256	-118.840918
00:42	DIHE	recapture	-		-				35.12253478	-118.8411316
00:41	DIHE	recapture	+	NATE OF	0.00		10		35.11695071	-118.841254
00:41	DIHE		1	Male	SCR	70	42		35.1170324	-118.8410250

Time of Capture (24-Hour)	Species Abbreviation PEIN = San Joaquin pocket mouse (Perognathus inomatus) PEMA = deer mouse (Peromyscus maniculatus) DIHE = Heermann's kangaroo rat (Dipodomys heemanni) ANBO = western toad (Anaxyrus boreas) OTBE = California ground squirrel (Otospermophilus beecheyi)	Capture Status	Species Determination Morph = Morphology Mass HF =	Sex	Reproductive Status NR = non-reporoductive SCR = scrotal INT = intermediate ABD = abdominal REP = reproductive	Mass (grams)	Hind Foot Length (mm)	Health/Comments	Latidude	Longitude
Comanche	Point Front (South) August 12, 2023 - Trapper:	: Joe McFadd	in / Scribe: Rory Miller, Ro	dney Aguirı	e, Josue Leyva					
23:18	DIHE	recapture	1	T					35.12575921	-118.8410456
23:07	DIHE	recapture							35.12434462	-118.841030
23:03	DIHE	recapture							35.122437	-118.840929
06:40	DIHE			Female	NR	65	43		35.12814627	-118.840013
06:26	DIHE	recapture							35.12704613	-118.840275
06:15	DIHE		Morph	Male	SCR	67	36		35.12567114	-118.840981
06:11	DIHE	recapture							35.12579573	-118.841083
05:59	DIHE	recapture							35.12431857	-118.841057
05:55	DIHE	recapture		i.					35.12250854	-118.841106
05:47	DIHE	recapture							35.11870847	-118.8409613
05:36	DIHE		Morph	Female	NR	54	39		35.11695172	-118.8409789
05:52 05:36 04:58 04:43 04:41 Comanche 23:02 22:56 05:40	ANBO PEIN DIHE PEIN DIHE POINT Front (North) and Comanche T- Segment DIHE DIHE DIHE DIHE PEMA	recapture	Morph	Male	SCR	65	37		35.17310505 35.18251481 35.13786328 35.13224055 35.12894757 35.14066081 35.13785704 35.17283495	-118.7979682 -118.786092 -118.8304852 -118.8374425 -118.8392882 -118.8238814 -118.8304788 -118.7981554
Comanche 23:58 23:22	Point Front (North) and Comanche T- Segment ANBO PEIN		Morph	Male	SCR	10	15		35.17309784 35.137869	-118.7949783 -118.8310807
Comanche 23:58 23:22 23:18	ANBO PEIN DIHE	t (West) Augus		Male		10			35.137869 35.13788377	-118.8310807 -118.8304834
Comanche 23:58 23:22 23:18 23:10	ANBO PEIN DIHE DIHE		Morph	Male Male	SCR	10 72	40		35.137869 35.13788377 35.13637115	-118.831080 -118.830483 -118.832809
Comanche 23:58 23:22 23:18 23:10 23:02	ANBO PEIN DIHE DIHE PEIN			Male		10	40		35.137869 35.13788377 35.13637115 35.13180487	-118.8310807 -118.8304834 -118.8328099 -118.8377129
Comanche 23:58 23:22 23:18 23:10 23:02 05:41	ANBO PEIN DIHE DIHE	recapture	Morph Morph	Male Male Male	SCR NR	10 72	40		35.137869 35.13788377 35.13637115	-118.831080 -118.830483 -118.832809 -118.837712
Comanche 23:58 23:22 23:18 23:10 23:02 05:41 Comanche	ANBO PEIN DIHE DIHE PEIN ANBO Point Front (North) September 1, 2023 - Trapp	recapture	Morph Morph	Male Male Male	SCR NR	10 72	40		35.137869 35.13788377 35.13637115 35.13180487 35.17309876	-118.831080 -118.830483 -118.832809 -118.837712 -118.794848
Comanche 23:58 23:22 23:18 23:10 23:02 05:41 Comanche	ANBO PEIN DIHE DIHE PEIN ANBO Point Front (North) September 1, 2023 - Trappo	recapture	Morph Morph mes / Scribe: Karla Lopez,	Male Male Male Rory Miller	SCR NR , Dorothy Tran	10 72 10	40 12		35.137869 35.13788377 35.13637115 35.13180487 35.17309876	-118.831080; -118.8304834 -118.8328099; -118.8377129; -118.7948484
Comanche 23:58 23:22 23:18 23:10 23:02 05:41 Comanche 22:52 22:40	ANBO PEIN DIHE DIHE PEIN ANBO Point Front (North) September 1, 2023 - Trappo	recapture per: Adam Grit recapture	Morph Morph	Male Male Male	SCR NR	10 72	40 12		35.137869 35.13788377 35.13637115 35.13180487 35.17309876 35.13787531 35.13186119	-118.831080 -118.830483 -118.8328099 -118.8377129 -118.7948484 -118.8304779 -118.8379489
Comanche 23:58 23:22 23:18 23:10 23:02 05:41 Comanche 22:52 22:40 05:10	ANBO PEIN DIHE DIHE PEIN ANBO Point Front (North) September 1, 2023 - Trappo	recapture	Morph Morph mes / Scribe: Karla Lopez,	Male Male Male Rory Miller	SCR NR , Dorothy Tran	10 72 10	40 12 12		35.137869 35.13788377 35.13637115 35.13180487 35.17309876 35.13787531 35.13186119 35.13798232	-118.831080 -118.830483 -118.832809 -118.837712 -118.794848 -118.830477 -118.837948 -118.830974
Comanche 23:58 23:22 23:18 23:10 23:02 05:41 Comanche 22:52 22:40 05:10 04:56	ANBO PEIN DIHE DIHE PEIN ANBO Point Front (North) September 1, 2023 - Trappo	recapture eer: Adam Grii recapture recapture	Morph Morph mes / Scribe: Karla Lopez, Morph	Male Male Male Rory Miller Male Male	SCR NR Dorothy Tran	10 72 10	40 12 12		35.137869 35.13788377 35.13637115 35.13180487 35.17309876 35.13787531 35.13186119	-118.831080 -118.830483 -118.832809 -118.837712 -118.794848
Comanche 23:58 23:22 23:18 23:10 23:02 05:41 Comanche 22:52 22:40 05:10 04:56 Comanche	ANBO PEIN DIHE DIHE PEIN ANBO Point Front (North) September 1, 2023 - Trappo DIHE PEIN DIHE PEIN DIHE DIHE DIHE POINT FRONT (North) September 2, 2023 - Trappo	recapture eer: Adam Griu recapture recapture eer: Adam Griu	Morph Morph mes / Scribe: Karla Lopez, Morph	Male Male Male Rory Miller Male Male	SCR NR Dorothy Tran	10 72 10	40 12 12		35.137869 35.13788377 35.13637115 35.13180487 35.17309876 35.13787531 35.13186119 35.13798232 35.13649118	-118.831080 -118.830483 -118.832809 -118.837712 -118.794848 -118.830477 -118.837948 -118.830974 -118.832773
Comanche 23:58 23:22 23:18 23:10 23:02 05:41 Comanche 22:52 22:40 05:10 04:56 Comanche	ANBO PEIN DIHE DIHE PEIN ANBO Point Front (North) September 1, 2023 - Trappo DIHE PEIN DIHE PEIN DIHE DIHE DIHE DIHE DIHE DIHE POINT Front (North) September 2, 2023 - Trappo DIHE	recapture recapture recapture recapture recapture recapture	Morph Morph mes / Scribe: Karla Lopez, Morph	Male Male Male Rory Miller Male Male	SCR NR Dorothy Tran	10 72 10	40 12 12		35.137869 35.13788377 35.13637115 35.13180487 35.17309876 35.13787531 35.13186119 35.13798232 35.13649118	-118.831080 -118.830483 -118.832809 -118.837712 -118.794848 -118.830477 -118.837948 -118.832773 -118.83257
Comanche 23:58 23:22 23:18 23:10 23:02 05:41 Comanche 22:52 22:40 05:10 04:56 Comanche 22:48 22:48	ANBO PEIN DIHE DIHE PEIN ANBO Point Front (North) September 1, 2023 - Trappo DIHE PEIN DIHE DIHE DIHE DIHE DIHE DIHE DIHE POINT Front (North) September 2, 2023 - Trappo DIHE PEIN	recapture eer: Adam Griu recapture recapture eer: Adam Griu	Morph Morph mes / Scribe: Karla Lopez, Morph	Male Male Male Rory Miller Male Male Male	SCR NR , Dorothy Tran SCR SCR	10 72 10	40 12 12 40		35.137869 35.13788377 35.13637115 35.13180487 35.17309876 35.13787531 35.13186119 35.13798232 35.13649118 35.1363364 35.13793138	-118.831080 -118.830483 -118.832809 -118.837712 -118.794848 -118.830477 -118.837948 -118.832773 -118.83257 -118.830998
Comanche 23:58 23:22 23:18 23:10 23:02 05:41 Comanche 22:52 22:40 05:10 04:56 Comanche	ANBO PEIN DIHE DIHE PEIN ANBO Point Front (North) September 1, 2023 - Trappo DIHE PEIN DIHE PEIN DIHE DIHE DIHE DIHE DIHE DIHE POINT Front (North) September 2, 2023 - Trappo DIHE	recapture recapture recapture recapture recapture recapture	Morph Morph mes / Scribe: Karla Lopez, Morph	Male Male Male Rory Miller Male Male	SCR NR Dorothy Tran	10 72 10	40 12 12 40		35.137869 35.13788377 35.13637115 35.13180487 35.17309876 35.13787531 35.13186119 35.13798232 35.13649118	-118.831080 -118.830483 -118.832809 -118.837712 -118.794848 -118.830477 -118.837948 -118.830974

Time of Capture (24-Hour)	Species Abbreviation PEIN = San Joaquin pocket mouse (Perognathus inomatus) PEMA = deer mouse (Peromyscus maniculatus) DIHE = Heermann's kangaroo rat (Dipodomys heermanni) ANBO = western toad (Anaxyrus boreas) OTBE = California ground squirrel (Otospermophilus beecheyi)	Capture Status	Species Determination Morph = Morphology Mass HF =	Sex	Reproductive Status NR = non-reporoductive SCR = scrotal INT = intermediate ABD = abdominal REP = reproductive	Mass (grams)	Hind Foot Length (mm)	Health/Comments	Latidude	Longitude
23:16	PEIN		Morph	Female	Unknown	10	16	3	35.173149	-118.7782742
23:03	PEIN			Male	NR	10	16		35.17320889	-118.7815991
22:37	DIHE		Morph	Female	NR	48	42	2	35.17321634	-118.7845489
05:43	PEMA								35.17326722	-118.7749761
05:40	PEMA								35.17337535	-118.7758558
05:39	PEMA								35.17316957	-118.7757081
05:39	PEIN			Male	ABD	10	17		35.17336703	-118.7761241
05:23	PEIN			Female	NR	8	18	3	35.17320199	-118.7820146
05:16	PEIN			Male	ABD	7	16		35.17310651	-118.7843959
05:10	DIHE		Morph	Male	SCR	80			35.17303993	-118.7846692
04:57	PEIN			Female	NR	5			35.17316405	-118.785457
23:34	T-Segment (West) September 19, 2023 - Trapp	er: Joe McF	addin / Scribe: Rory Miller, s	Female	NR	10			35.17330572	-118.7769166
23:30	PEIN			Male	SCR	12	18	Sores inside leg	35.17333451	-118.7749054
23:27	PEMA								35.17325063	-118.7756778
23:24	PEIN			Unknown		11	17	Parasite or sores inside hind legs	35.17313797	-118.7745985
23:18	PEIN			Male	SCR	11	16		35.17338173	-118.7764317
23:17	PEIN		Morph	Male	SCR	12	18		35.17318014	-118.7783165
23:10	PEIN	recapture							35.17320479	-118.7788491
23:05	PEIN			Unk		7	17		35.17331947	-118.78204
23:01	PEIN		Morph	Male	SCR	12	16		35.17313135	-118.7824615
22:58	PEIN		1	Male	ABD	8			35.17320264	-118.78441
22:55	PEIN		Morph	Female	NR	10			35.17318838	-118.7843806
22:53	DIHE		Morph	Male	SCR	56	38		35.17312186	-118.7849162
05:33	PEIN		,e.p.;	Male	ABD	11	17		35.1732651	-118.7772297
05:32	PEIN			Male	INT	10			35.17325883	-118.7781898
05:30	PEMA			Maio		,,,			35.17325041	-118.7758967
05:26	PEMA					İ			35.17317707	-118.7758363
05:25	PEMA								35.17319958	-118.7752226
05:18	DIHE			Male		77	40		35.17317379	-118.777214
05:13	DIHE		Morph	Female	NR	68	39		35.17331409	-118.7788899
05:13	PEMA		(Weipi)	Torrido	141.6	00			35.17314772	-118.7781645
05:09	PEIN		i	Male	ABD	8	18		35.17310126	-118.7819013
05:05	PEMA					1	10		35.17333202	-118.784368
05:04	PEIN			Male	SCR	12	18		35.17321721	-118.7818789
05:00	PEMA		1			, , ,	10		35.17323776	-118.7816006
04:59	PEMA		i		1	1			35.17331716	-118.7819003
04:53	DIHE	recapture	i			1			35.17300239	-118.7846653
04:50	DIHE	recapture	<u> </u>	1	<u> </u>				35.17320042	-118.784532
04:50	DIHE	Totapiale	-i	Male	1	68	39		35.17323964	-118.7854134
	T-Segment (West) September 20, 2023 - Trapp	er: Joe McFa	addin / Scribe: Dorothy Tran		guirre	30	00	.X.	55.17626654	110.7004104
23:28	PEMA	recepture				T			35.17329412	-118.774993
23:28	PEIN	recapture		-		-			35.17329412	-118.7763982
		recapture		Mole	ND	10				
23:23	PEIN	U2 22 2 1 1 1 1 1 1		Male	NR	10			35.17335062	-118.7758772
23:19	PEIN	recapture	1	Male	NR	13	16		35.173285	-118.7750045
23:17	DIHE	recapture							35.17330403	-118.778915
23:17	PEMA		_			-			35.17323968	-118.7758712
23:14	PEIN	recapture							35.17323952	-118.7772299

Time of Capture (24-Hour)	Species Abbreviation PEIN = San Joaquin pocket mouse (Perognathus inomatus) PEMA = deer mouse (Peromyscus maniculatus) DIHE = Heermann's kangaroo rat (Dipodomys heermanni) ANBO = western toad (Anaxyrus boreas) OTBE = California ground squirrel (Otospermophilus beecheyi)	Capture Status	Species Determination Morph = Morphology Mass HF =	Sex	Reproductive Status NR = non-reporoductive SCR = scrotal INT = intermediate ABD = abdominal REP = reproductive	Mass (grams)	Hind Foot Length (mm)	Health/Comments	Latidude	Longitude
23:11	PEIN	recapture							35.17332497	-118.782036
23:11	PEIN			Male	NR	9	15		35.17324645	-118.777364
23:09	PEIN			Female	NR	12	17		35.1732378	-118.777788
23:06	PEIN	recapture		Male	NR	10	15		35.17323088	-118.779214
23:02	PEIN	recapture							35.1733315	-118.784535
23:01	PEIN	recapture		Female	NR	13	18		35.17320543	-118.781753
22:59	PEIN			Unknown		11	17		35.17330031	-118.784645
22:54	PEIN			Unknown		11	17		35.17311105	-118.784642
22:49	PEIN			Female	NR	11	16		35.17318374	-118.784895
05:25	PEMA								35.17324015	-118.776000
05:19	PEIN	recapture		Female	NR	10	17		35.17324232	-118.7769509
05:18	PEIN			Male	SCR	11	18		35.1732426	-118.779210
05:14	DIHE	recapture		Male	NR	71	39	5th toe observed	35.17322505	-118.77893
05:10	PEMA	recapture							35.17331483	-118.781905
05:08	PEIN	recapture		Female	NR	9	16		35.17319765	-118.781893
05:07	DIHE			Female	NR	76	41	Fifth toe present	35.17321055	-118.781900
05:02	DIHE	recapture							35.17312965	-118.7848
04:57	DIHE DIHE				NR				35.17317622	-118.785450
23:35	e T-Segment (West) September 21, 2023 - Trapp DIHE	recapture	audin / Scribe. Samanina N	leueilili, noi	y Miller					
		The Contract							35.17326088	
23:21	PEIN	recapture							35.17322542	-118.776971:
23:20	PEIN	recapture recapture							35.17322542 35.17315179	-118.776971; -118.778172
23:20 23:19	PEIN PEIN	recapture							35.17322542 35.17315179 35.17314818	-118.776971 -118.778172 -118.778339
23:20 23:19 23:17	PEIN PEIN PEMA	recapture recapture recapture							35.17322542 35.17315179 35.17314818 35.17321389	-118.776971; -118.778172; -118.778339 -118.778072;
23:20 23:19 23:17 23:17	PEIN PEIN PEMA PEIN	recapture recapture recapture recapture							35.17322542 35.17315179 35.17314818 35.17321389 35.17317221	-118.776971 -118.778172 -118.778339 -118.778072 -118.775846
23:20 23:19 23:17 23:17 23:12	PEIN PEIN PEIN PEIN PEIN	recapture recapture recapture recapture recapture							35.17322542 35.17315179 35.17314818 35.17321389 35.17317221 35.1732209	-118.776971: -118.778172 -118.778339 -118.778072 -118.775846 -118.778086
23:20 23:19 23:17 23:17 23:12 23:08	PEIN PEIN PEIN PEIN PEIN PEIN	recapture recapture recapture recapture recapture recapture recapture							35.17322542 35.17315179 35.17314818 35.17321389 35.17317221 35.1732209 35.17314059	-118.776971 -118.778172 -118.778339 -118.778072 -118.775846 -118.778086 -118.778302
23:20 23:19 23:17 23:17 23:12 23:08 23:01	PEIN PEIN PEIN PEIN PEIN PEIN PEIN	recapture recapture recapture recapture recapture	Morph	Male	NR	10	15		35.17322542 35.17315179 35.17314818 35.17321389 35.17317221 35.1732209 35.17314059 35.17319998	-118.776971 -118.778172 -118.778339 -118.778072 -118.775846 -118.778086 -118.778302 -118.781617
23:20 23:19 23:17 23:17 23:12 23:08 23:01 22:52	PEIN PEIN PEIN PEIN PEIN PEIN PEIN PEIN	recapture recapture recapture recapture recapture recapture recapture recapture	Morph	Male	NR	10	15		35.17322542 35.17315179 35.17314818 35.17321389 35.17317221 35.1732209 35.17314059 35.17319998 35.17315582	-118.776971: -118.778172: -118.778339 -118.778072: -118.778086: -118.778302: -118.781617: -118.784854
23:20 23:19 23:17 23:17 23:12 23:08 23:01 22:52	PEIN PEIN PEMA PEIN PEIN PEIN PEIN PEIN PIN PIN PIN PIN	recapture recapture recapture recapture recapture recapture recapture recapture recapture	Morph	Male	NR	10	15		35.17322542 35.17315179 35.17314818 35.17321389 35.17317221 35.1732209 35.17314059 35.17319998 35.17315582 35.17304122	-118.776971 -118.778172 -118.778339 -118.778072 -118.775846 -118.778086 -118.778302 -118.781617 -118.784854 -118.784695
23:20 23:19 23:17 23:17 23:12 23:08 23:01 22:52 22:42 05:39	PEIN PEIN PEMA PEIN PEIN PEIN PEIN PEIN PEIN PEIN PEIN	recapture recapture recapture recapture recapture recapture recapture recapture	Morph	Male	NR				35.17322542 35.17315179 35.17314818 35.17321389 35.17317221 35.1732209 35.17314059 35.17319998 35.17315582 35.17304122 35.17328876	118.776971:118.778172:118.778339118.775846:118.778086:118.778302:118.781617:118.784854:118.784695:118.779213:
23:20 23:19 23:17 23:17 23:12 23:08 23:01 22:52 22:42 05:39	PEIN PEIN PEMA PEIN PEIN PEIN PEIN PEIN PEIN PEIN PEIN	recapture recapture recapture recapture recapture recapture recapture recapture recapture	Morph	Male	NR	10			35.17322542 35.17315179 35.17314818 35.17321389 35.17317221 35.1732209 35.17314059 35.17315582 35.17304122 35.17328876 35.17336285	118.776971:118.778172:118.778339118.775846:118.778302:118.7816173:118.784854:118.784695:118.779213:118.776133
23:20 23:19 23:17 23:17 23:12 23:08 23:01 22:52 22:42 05:39 05:31	PEIN PEIN PEMA PEIN PEIN PEIN PEIN PEIN PEIN PEIN PEIN	recapture recapture recapture recapture recapture recapture recapture recapture recapture	Morph	Male	NR				35.17322542 35.17315179 35.17314818 35.17321389 35.17317221 35.1732209 35.17314059 35.17319998 35.17315582 35.17304122 35.17328876 35.17336285 35.17315687	118.776971:118.778172:118.778339118.775846:118.778302:118.7816173:118.784654:118.784695:118.776133:118.775732:
23:20 23:19 23:17 23:17 23:12 23:08 23:01 22:52 22:42 05:39 05:31 05:26	PEIN PEIN PEMA PEIN PEIN PEIN PEIN PEIN PEIN PEIN PEIN	recapture recapture recapture recapture recapture recapture recapture recapture recapture	Morph	Male	NR				35.17322542 35.17315179 35.17314818 35.17321389 35.17317221 35.1732209 35.17314059 35.17315582 35.17304122 35.17328876 35.17336285	118.776971:118.778339118.778339118.775846:118.778302:118.781617:118.784654:118.784695:118.776133118.776732:118.77681:
23:20 23:19 23:17 23:17 23:12 23:08 23:01 22:52 22:42 05:39 05:31 05:26 05:23 05:22	PEIN PEIN PEMA PEIN PEIN PEIN PEIN PEIN PEIN PEIN PEIN	recapture recapture recapture recapture recapture recapture recapture recapture recapture	Morph	Male	NR	15	17		35.17322542 35.17315179 35.17314818 35.17321389 35.17317221 35.1732209 35.17314059 35.17315582 35.17315582 35.17328876 35.17336285 35.17315687 35.17316838 35.1731684	118.776971:118.778339118.778369:118.778869:118.778302:118.784654:118.784654:118.776133:118.77681:118.77681:118.777081:
23:20 23:19 23:17 23:17 23:12 23:08 23:01 22:52 22:42 05:39 05:31 05:26 05:23 05:22 05:21	PEIN PEIN PEMA PEIN PEIN PEIN PEIN PEIN PEIN PEIN PEIN	recapture recapture recapture recapture recapture recapture recapture recapture recapture	Morph	Male	NR	15	17		35.17322542 35.17315179 35.17314818 35.17321389 35.17317221 35.1732209 35.17314059 35.17315582 35.17315582 35.17328876 35.17336285 35.17315687 35.17316838	118.776971 118.778172 118.778339 118.775846 118.778302 118.778302 118.781617 118.784654 118.7764133 118.776732 118.77681 118.77681 118.77681 118.776005
23:20 23:19 23:17 23:17 23:12 23:08 23:01 22:52 22:42 05:39 05:31 05:26 05:23 05:22 05:21 05:15	PEIN PEIN PEMA PEIN PEIN PEIN PEIN PEIN PEIN PEIN PEIN	recapture recapture recapture recapture recapture recapture recapture recapture recapture	Morph	Male	NR	15	17		35.17322542 35.17315179 35.17314818 35.17321389 35.17317221 35.1732209 35.17314059 35.17315582 35.17315582 35.17328876 35.17336285 35.17315687 35.17316838 35.1731684 35.17323756	118.776971 118.778172 118.778339 118.775846 118.778302 118.778302 118.781617 118.784654 118.776133 118.776732 118.77681 118.77681 118.77681 118.77681 118.77681 118.77681
23:20 23:19 23:17 23:17 23:12 23:08 23:01 22:52 22:42 05:39 05:31 05:26 05:23 05:23 05:22 05:21 05:15	PEIN PEIN PEMA PEIN PEIN PEIN PEIN PEIN PEIN PEIN PEIN	recapture recapture recapture recapture recapture recapture recapture recapture recapture recapture	Morph	Male	NR	15	17		35.17322542 35.17315179 35.17314818 35.17321389 35.17317221 35.1732209 35.17314059 35.17319998 35.17315582 35.17304122 35.17328876 35.17336285 35.17315687 35.17316887 35.17316884 35.17323756 35.17319196 35.17328464	118.776971:118.778339118.77836:118.778846:118.778302:118.781617:118.784654:118.776133:118.77681:118.77681:118.77681:118.775818:118.775818:118.775818:118.775818:
23:20 23:19 23:17 23:17 23:12 23:08 23:01 22:52 22:42 05:39 05:31 05:26 05:23 05:22 05:21 05:15 05:09 05:06	PEIN PEIN PEMA PEIN PEIN PEIN PEIN PEIN PEIN PEIN PEIN	recapture recapture recapture recapture recapture recapture recapture recapture recapture	Morph	Male	NR	15	17		35.17322542 35.17315179 35.17314818 35.17321389 35.17317221 35.1732209 35.17314059 35.17315582 35.17315582 35.17304122 35.17328876 35.17336285 35.17315687 35.17316888 35.17316884 35.17323756 35.17319196	-118.776971 -118.778172 -118.778339 -118.775846 -118.778302 -118.778302 -118.781617 -118.784854 -118.784854 -118.776133 -118.775732 -118.776005 -118.776818 -118.775818 -118.775818 -118.775818
23:20 23:19 23:17 23:17 23:17 23:12 23:08 23:01 22:52 22:42 05:39 05:31 05:31 05:22 05:23 05:23 05:25 05:25 05:25 05:26 05:27 05:09 05:06	PEIN PEIN PEMA PEIN PEIN PEIN PEIN PEIN PEIN PEIN PEIN	recapture recapture recapture recapture recapture recapture recapture recapture recapture recapture recapture recapture	Morph	Male	NR	15	17		35.17322542 35.17315179 35.17314818 35.17321389 35.17317221 35.1732209 35.17314059 35.17319998 35.17315582 35.17304122 35.17328876 35.17336285 35.17315687 35.17316887 35.17316884 35.17323756 35.17328464 35.17328464 35.1730876	-118.776971: -118.778339 -118.778072: -118.775846: -118.778302: -118.778302: -118.784854: -118.784854: -118.779213: -118.775732: -118.776005: -118.775818: -118.775818: -118.775818: -118.775818: -118.775818: -118.775818:
23:20 23:19 23:17 23:17 23:17 23:12 23:08 23:01 22:52 22:42 05:39 05:31 05:26 05:26 05:23 06:22 05:41 05:09 05:06 05:06	PEIN PEIN PEMA PEIN PEIN PEIN PEIN PEIN PEIN PEIN PEIN	recapture recapture recapture recapture recapture recapture recapture recapture recapture recapture recapture recapture	Morph	Male	NR	15	17		35.17322542 35.17315179 35.17314818 35.17321389 35.17317221 35.1732209 35.17314059 35.17319998 35.17315582 35.17304122 35.17328876 35.17336285 35.17315687 35.17316887 35.17316884 35.17323756 35.17319196 35.17328464 35.1730876 35.1730876 35.17309217	-118.776971: -118.778339 -118.778072: -118.775846: -118.778302: -118.778302: -118.784854: -118.784854: -118.779213: -118.775732: -118.776005: -118.775818: -118.775818: -118.775818: -118.775818: -118.775818: -118.775818: -118.775818: -118.775818: -118.775818: -118.775818: -118.775818: -118.775818: -118.775818: -118.775818: -118.775818: -118.775818: -118.775818: -118.784653:
23:20 23:19 23:17 23:17 23:17 23:12 23:08 23:01 22:52 22:42 05:39 05:31 05:26 05:23 05:23 05:22 05:31 05:25 05:20 05:05 05:00 05:01	PEIN PEIN PEMA PEIN PEIN PEIN PEIN PEIN DIHE PEIN PEIN PEIN PEIN PEIN PEIN PEIN PEI	recapture recapture recapture recapture recapture recapture recapture recapture recapture recapture recapture recapture	Morph	Male	NR	15	17		35.17322542 35.17315179 35.17314818 35.17321389 35.17317221 35.1732209 35.17314059 35.17319998 35.17315582 35.17304122 35.17328876 35.17316587 35.17316887 35.17316584 35.17316584 35.17319196 35.17328464 35.1730876 35.17309217 35.17330296	-118.776971 -118.778172 -118.778339 -118.775846 -118.778086 -118.778302 -118.781617 -118.784695 -118.776732 -118.776732 -118.77681 -118.776005 -118.775818 -118.775818 -118.775818 -118.775818 -118.775818 -118.775818 -118.775818 -118.775818 -118.775818 -118.775818 -118.775818 -118.784053 -118.784653 -118.7844653 -118.7844691
23:20 23:19 23:17 23:17 23:17 23:12 23:08 23:01 22:52 22:42 05:39 05:31 05:26 05:23 05:23 05:21 06:23 05:21 06:09 05:01 05:06 05:02 05:01 04:58 04:56	PEIN PEIN PEMA PEIN PEIN PEIN PEIN PEIN DIHE PEIN PEIN PEIN PEIN PEIN PEIN PEIN PEI	recapture recapture recapture recapture recapture recapture recapture recapture recapture recapture recapture recapture recapture	Morph	Male	NR	15	17		35.17322542 35.17315179 35.17314818 35.17321389 35.17317221 35.1732209 35.17314059 35.17319998 35.17315582 35.17304122 35.17328876 35.17316887 35.17316887 35.17316584 35.17316584 35.17319196 35.17328464 35.1730876 35.17309217 35.17330296 35.17330296	-118.776971 -118.778172 -118.778339 -118.775846 -118.778086 -118.778302 -118.781617 -118.784695 -118.776732 -118.776732 -118.77681 -118.776005 -118.775818 -118.775818 -118.775818 -118.775818 -118.775818 -118.775818 -118.775818 -118.775818 -118.775818 -118.775818 -118.775818 -118.784053 -118.784653 -118.7844653 -118.7844691
23:20 23:19	PEIN PEIN PEMA PEIN PEIN PEIN PEIN PEIN DIHE PEIN PEIN PEIN PEIN PEIN PEIN PEIN PEI	recapture recapture recapture recapture recapture recapture recapture recapture recapture recapture recapture recapture recapture	Morph	Male	NR	15	17		35.17322542 35.17315179 35.17314818 35.17321389 35.17317221 35.1732209 35.17314059 35.17319998 35.17315582 35.17304122 35.17328876 35.17315687 35.17316584 35.17316584 35.17316584 35.1732876 35.17319196 35.17328464 35.1730876 35.17309217 35.17330296 35.17330296 35.17333175 35.17306024	-118.792897* -118.7769712 -118.7781728 -118.7780722 -118.7780864 -118.7780864 -118.7780864 -118.77808653 -118.77816173 -118.7761333 -118.7767322 -118.776818 -118.776818 -118.776818 -118.778818 -118.778818 -118.778818 -118.7881893 -118.7881893 -118.7848653 -118.7848653 -118.7848653 -118.7848653 -118.7848653 -118.7848653 -118.7848653 -118.7872297 -118.7772297
23:20 23:19 23:17 23:17 23:17 23:12 23:08 23:01 22:52 22:42 35:39 35:26 35:23 35:22 35:21 35:21 35:21 35:09 35:00 35:00 35:00 35:00 36	PEIN PEIN PEMA PEIN PEIN PEIN PEIN PEIN DIHE PEIN PEIN PEIN PEIN PEIN PEIN PEIN PEI	recapture recapture recapture recapture recapture recapture recapture recapture recapture recapture recapture recapture recapture recapture recapture recapture recapture				15	17		35.17322542 35.17315179 35.17314818 35.17321389 35.17317221 35.1732209 35.17314059 35.17319998 35.17315582 35.17304122 35.17328876 35.17315687 35.17316584 35.17316584 35.17316584 35.17319196 35.17319196 35.17319196 35.1730876 35.17309217 35.17309217 35.17330296 35.17333175 35.17306024 35.17306024	-118.776971 -118.778172 -118.778339 -118.775846 -118.778086 -118.778302 -118.781617 -118.784695 -118.776732 -118.776732 -118.77681 -118.776005 -118.775818 -118.775818 -118.781890 -118.781868 -118.784653 -118.784653 -118.784691 -118.777229