

APPENDIX A
MEADOWOOD BIOLOGICAL SURVEYS

Dates	Biologist	Purpose	Hours	Weather Conditions
24 June 2002	TB	General	0700-1200	Clear; light west breeze; 75 to 88°F
25 June 2002	TB, DL	General	0900- 1500	Clear; light west breeze; 75 to 86°F
27 June 2002	TB, DL	General	0700-1000	Clear; light west breeze; 70 to 84°F
16-30 Apr 2003	RR	Arroyo toad survey	--	Precipitation – 2.99 inches, temp (monthly avg. max. 71°F, monthly avg min. 48°F)
1-7, 13-17, 19-24 May 2003	RR	Arroyo toad survey	--	Precipitation – 0.61 inches, temp (monthly avg. max. --, monthly avg min. 49°F)
3-9, 11-15, 17-24 June 2003	RR	Arroyo toad survey	--	Precipitation – 0.22 inches, temp (monthly avg. max. 75°F, monthly avg min. 57°F)
30 June 2003	GLA	Wetland delineation	--	--
1 July 2003	GLA	Wetland delineation	--	--
6-11, 14-19, 21-27 July 2003	RR	Arroyo toad survey	--	Precipitation – 0.05 inches, temp (monthly avg. max. 89°F, monthly avg min. 65°F)
4-8, 12-16, 18-23 Aug 2003	RR	Arroyo toad survey	--	Precipitation – 0.00 inches, temp (monthly avg. max. 91°F, monthly avg min. 64°F)
1-15 Sept 2003	RR	Arroyo toad survey	--	Precipitation – 0.00 inches, temp (monthly avg. max. 86°F, monthly avg min. 49°F)
16 Oct 2003	CE	General/sensitive plants	1100-1445	Clear; calm to light west breeze; 78 to 86°F.
19 Oct 2003	CE	General/sensitive plants	0930 -1445	Clear; calm to light south breeze; 72 to 76°F.
20 Oct 2003	CE	General/sensitive plants	0750-1100	Clear; calm to light east breeze; 70 to 72°F.
26 Nov 2003	CE	Gnatcatcher survey	0900 -1115	Clear; calm breeze; 64 to 68°F
27 Nov 2003	CE	Gnatcatcher survey	0645 -1130	Clear; calm to light southeast breeze; 66 to 70°F
03 Dec 2003	CE	Gnatcatcher survey	0720 -0950	Clear; light east breeze; 48 to 76°F
04 Dec 2003	CE	Gnatcatcher survey	0800 -1145	
07 Jan 2004	CE	Gnatcatcher survey	0830 -1015	Partly-cloudy; calm breeze; 58 to 66°F
08 Jan 2004	CE	Gnatcatcher/QCB site assessment	0800 -1115	Clear; calm to light southwest breeze; 60 to 68°F
25 Mar 2004	LJ, ME	General	0845 -1300	Clear; light to moderate west breeze; 73 to 78°F.
6-12, 19-28 Mar 2004	RR	Arroyo toad survey	--	Precipitation – 0.34 inches, temp (monthly avg. max. 73°F, monthly avg min. 49°F)
9 Apr 2004	LJ, ME	General	0950 -1500	Clear; light south breeze; 60 to 68°F.
13 Apr 2004	ME	General	0930 -1600	Clear; light west breeze; 45 to 66°F.
28 Apr 2004	ME	General	0915 -1400	Clear; light east breeze; 55 to 76°F.
5-9, 20-24, 26-30 Apr 2004	RR	Arroyo toad survey	--	Precipitation – 0.58 inches, temp (monthly avg. max. 72°F, monthly avg min. 51°F)
3-11, 17-24 May 2004	RR	Arroyo toad survey	--	Precipitation – 0.00 inches, temp (monthly avg. max. 79°F, monthly avg min. 54°F)
1-5, 14-21, 28-30 June 2004	RR	Arroyo toad survey	--	Precipitation – 0.00 inches, temp (monthly avg. max. 76°F, monthly avg min. 59°F)
1-3, 12-18, 26-31 July 2004	RR	Arroyo toad survey	--	Precipitation – 0.00 inches, temp (monthly avg. max. 85°F, monthly avg min. 61°F)
9-21 Aug 2004	RR	Arroyo toad survey	--	Precipitation – 0.00 inches, temp (monthly avg. max. 83°F, monthly avg min. 61°F)
31 Aug 2004	CE, EK	General/sensitive plants	1545 -1815	Clear; moderate west breeze; 88 to 82°F.
01 Sep 2004	CE, EK	General	0715 -1445	Clear; calm to moderate east breeze; 66 to 90°F.
1-7, 14-21 Feb 2005	RR	Arroyo toad survey	--	Precipitation – 7.1 inches, temp (monthly avg. max. 66°F, monthly avg min. 48°F)
1-7, 14-21, 28-31 Mar 2005	RR	Arroyo toad survey	--	Precipitation – 1.7 inches, temp (monthly avg. max. 67°F, monthly avg min. 49°F)

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1-3, 11-17, 25-30 April 2005	RR	Arroyo toad survey	--	Precipitation – 1.0 inches, temp (monthly avg. max. 72°F, monthly avg min. 48°F)
8 April 2005	MK	QCB site assessment	1130-1230	Sunny; light northwest breeze; 73°F
19 April 2005	MK	QCB site assessment	0945-1145	Cloudy to partly cloudy; light west breeze; 62°F
1, 9-15, 23-29 May 2005	RR	Arroyo toad	--	Precipitation – 0.27 inches, temp (monthly avg. max. 74°F, monthly avg min. 55°F)
27 May 2005	MK	Gnatcatcher survey	0830-1215	Cloudy to sunny; light southeast breeze; 63 to 71°F.
6-12, 20-26 June 2005	RR	Arroyo toad survey	--	Precipitation – 0.00 inches, temp (monthly avg. max. 74°F, monthly avg min. 57°F)
10 June 2005	MK	Gnatcatcher survey	0800-1215	Cloudy; light west breeze; 64 – 70°F.
16 June 2005	MK	Gnatcatcher survey	0715-1115	Overcast; light southwest breeze; 62 – 66°F.
4-10, 18-24 July 2005	RR	Arroyo toad survey	--	Precipitation – 0.00 inches, temp (monthly avg. max. 79°F, monthly avg min. 60°F)
22 Aug 2005	EK	General	0830-1300	Clear; light breeze; 74 – 83°F
27 Feb. 2006	EK	Wetland buffers	1330-1630	Overcast; light breeze to calm; 64 – 59°F
27-28 Feb 2006	RR	Arroyo toad survey	--	Precipitation – 1.97 inches, temp (monthly avg. max. 71°F, monthly avg min. 44°F)
1-5, 13-19, 26-31 Mar 2006	RR	Arroyo toad survey	--	Precipitation – 1.97 inches, temp (monthly avg. max. 71°F, monthly avg min. 44°F)
1-2, 10-16, 24-30 Apr 2006	RR	Arroyo toad survey	--	Precipitation – 1.85 inches, temp (monthly avg. max. 68°F, monthly avg min. 49°F)
26 April 2006	EK	General	0900-1200	Overcast; calm to light breeze; 62 – 68°F.
28 April 2006	EK	Gnatcatcher survey	0815-1215	Overcast; calm to light breeze; 59 – 68°F.
5 May 2006	EK	Gnatcatcher survey	0740-1200	70% cloud cover; light breeze; 57 – 70°F.
13 May 2006	EK	Gnatcatcher survey	0745-1200	Overcast to 40% cloud cover; calm to light breeze; 63 – 72°F.
7-15, 22-28, May 2006	RR	Arroyo toad survey	--	Precipitation – 0.57 inches, temp (monthly avg. max. 72°F, monthly avg min. 55°F)
3-11, 18-26 June 2006	RR	Arroyo toad survey	--	Precipitation – 0.01 inches, temp (monthly avg. max. 81°F, monthly avg min. 60°F)
12 July 2006	EK	General/offsites	1030-1600	Clear; light breeze; 85 - 78°F.
19 July 2006	GLA	Wetland delineation	--	--
27 July 2006	EK	General/offsites	0900-1200	Clear; calm; 84 - 93°F.
10-18, 23-31 July 2006	RR	Arroyo toad survey	--	Precipitation – 0.00 inches, temp (monthly avg. max. 87°F, monthly avg min. 65°F)
1-14 Aug 2006	RR	Arroyo toad survey	--	Precipitation – 0.00 inches, temp (monthly avg. max. N/A, monthly avg min. N/A)
15 Aug 2006	GLA	Wetland delineation	--	--
16 Oct. 2006	EK	General/offsites	1615-1800	Clear; calm; 71 - 69°F.
5-11, 19-25 Mar 2007	RR	Arroyo toad survey	--	Precipitation – 0.23 inches, temp (monthly avg. max. 71°F, monthly avg min. 45°F)
19 Apr 2007	EK	Gnatcatcher survey 1A	0715-1245	25% cloud cover, calm to light breeze, 50 - 75°F
23 Apr 2007	CE, EK	LBV survey 1	0645-1100	Overcast to 60% cloud cover, calm, mid 50's to mid 60's.
26 Apr 2007	EK	Gnatcatcher survey 1B	0950-1220	Clear, light breeze, 67-77°F
27 Apr 2007	EK	Gnatcatcher survey 2A	0715-1215	Clear, calm to light breeze, 52-78°F
2-8, 16-22, 30 Apr 2007	RR	Arroyo toad survey	--	Precipitation – 0.69 inches, temp (monthly avg. max. 69°F, monthly avg min. 49°F)
3 May 2007	CE	LBV survey 2	0700-0915	30-50% cloud cover, light breeze, mid to upper 60's

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3 May 2007	EK	Gnatcatcher survey 2B	0915-1120	20% cloud cover, light breeze, 65-71°F
4 May 2007	EK	Gnatcatcher survey 3A	0900-1200	70-85% cloud cover, light breeze, 66-70°F
11 May 2007	EK	Gnatcatcher survey 3B	0700-1200	Clear, clam to light breeze, 51-77°F
15 May 2007	CE	LBV survey 3	0800-1015	Overcast, calm, mid 50's to mid 60's
25 May 2007	CE	LBV survey 4, SWF survey 1	0715-0915	Overcast, calm to light breeze, low 60's to upper 60's
1-6, 14-20, 28-31, May 2007	RR	Arroyo toad survey	--	Precipitation – 0.23 inches, temp (monthly avg. max. 71°F, monthly avg min. 45°F)
4 June 2007	CE	LBV survey 5, SWF survey 2	0740-0940	Overcast, calm to light breeze, low 60's to upper 60's
22 June 2007	CE	LBV survey 6, SWF survey 3	0825-1015	Clear, light breeze, upper 60's to mid 70's
1-3, 11-23 June 2007	RR	Arroyo toad survey	--	Precipitation – 0.00 inches, temp (monthly avg. max. 75°F, monthly avg min. 50°F)
2 July 2007	CE	LBV survey 7, SWF survey 4	0850-1105	Clear, light breeze, mid 70's to low 80's
13 July 2007	CE	LBV survey 8, SWF 5	0730-0930	Clear, calm to light breeze, upper 60's to mid 70's
8-10, 16-22, 25-31 July 2007	RR	Arroyo toad survey	--	Precipitation – 0.00 inches, temp (monthly avg. max. 80°F, monthly avg min. 61°F)
6-19 Aug 2007	RR	Arroyo toad survey	--	Precipitation – 0.05 inches, temp (monthly avg. max. 84°F, monthly avg min. 62°F)
28 Feb. 2008	EK	General/ offsites	1300-1500	50% clouds, light breeze, low 60's
27 March 2008	EK	General/ offsites	1115-1215	Clear, calm, upper 60's
2 April 2008	GLA	Wetland delineation	--	--
23 April 2008	RB, EK, ME	LBV survey 1	0900-1105	25 % clouds, calm, mid 60's to low 70's
1 May 2008	EK	Gnatcatcher survey 1	0830-1130	50% clouds, light breeze, low 60's to mid 70's
5 May 2008	EK	LBV survey 2	0855-1100	Overcast, light breeze, low to mid 60's
8 May 2008	EK	Gnatcatcher survey 2 and sensitive plant survey	0845-1215	Overcast, light breeze, low to upper 60's
14 May 2008	RB	LBV survey 3, SWF survey 1	0800-1050	Mostly cloudy, light breeze, 60's to 70's
15 May 2008	EK	Gnatcatcher survey 3	0830-1130	Overcast to partly cloudy, light breeze, low to upper 70's
28 May 2008	RB	LBV survey 4, SWF survey 2	0600-0900	Overcast to mostly cloudy, calm, 60's to 70's
5 June 2008	RB	LBV survey 5, SWF survey 3	0600-0900	Overcast to partly cloudy, calm, upper 50's to upper 60's
17 June 2008	RB, EK	LBV survey 6, SWF survey 4	0600-0900	Mostly cloudy, light breeze, 60's to 70's
26 June 2008	RB	LBV survey 7, SWF survey 5	0600-0900	Mostly cloudy, light breeze, 60's to 70's
9 July 2008	RB	LBV survey 8	0600-0900	Overcast to mostly cloudy, calm, mid 60's to mid 70's

LJ– Lee Jones, TB – Tom Benson, DL – David Levine, CE – Claude Edwards (TE 814215-3), ME – Marcus England, EK – Eric Kline (TE 110373-0), MK – Mike Klein (TE 039305-2), RR - Ruben Ramirez (TE 780566-10), GLA – Glenn Lukos & Associates, RB – Robert Bates (TE-154963-0)

QCB– Quino checkerspot butterfly, LBV – least Bell's vireo, SWF– southwestern willow flycatcher, N/A – Not Applicable