

Table 1: Date and locations of Lepidoptera survey stations in Luther, Oklahoma during early June of 2002									
Date	#/ Survey Method	Survey Station Code	Locality	Elevation to apx. 25'	Exact (E) Vicinity (V)	Latitude ° ' N	Longitude ° ' W	Habitat	Comments
*+ = Survey was conducted focusing on documenting diurnal species; - = some diurnal species were documented as we were setting up taking down equipment or field pinning the previous nights catch									
Survey stations for Luther in Oklahoma County, Oklahoma [Lower Austral near Lower Sonaran Life Zone Border]									
1 June 2002	+ MV Sheet	RAR:MVS	Rustic Acres Rd.; edge of pasture	939	Near	35°38.660	97°12.887	Open pasture/forested areas	partial night
1 June 2002	+ Bait Trail	RAR:BTR	Rustic Acres Rd.; forested hill side	971	V	35°38.694	97°13.042	Hill side forest w. Oak & Hickory	
2 June 2002	+ MV Sheet	RAR:MVS	Rustic Acres Road, near hill top	981	E	35°38.693	97°13.064	Open meadows/varied hill top forest	partial night
3 June 2002	+ MV Sheet	RAR:MVS	Rustic Acres Road, near hill top	981	E	35°38.693	97°13.064	Open meadows/varied hill top forest	partial night
3 June 2002	+ UV Trap 2	RAR: UVT2	Rustic Acres Rd.; Hansen pasture	939	E	°	°	Open pasture/forested areas	
4 June 2002	+ UV Sheet	RAR: UVS	Rustic Acres Rd.; edge of pasture	939	Near	35°38.660	97°12.887	Open pasture/forested areas	heavy rain, checked periodically
4 June 2002	+ UV Trap 1	RAR: UVT1	Rustic Acres Rd.; forested hill side	971	E	35°38.694	97°13.042	Hill side forest w. Oak & Hickory	
4 June 2002	+ UV Trap 2	RAR: UVT2	Rustic Acres Rd.; Hansen pasture	939	E	°	°	Open pasture/mesic forested areas	
4 June 2002	+ Shed	RAR:Shed	Rustic Acres Rd.; Hansen Shed	939	E	35°38.660	97°12.887	Open pasture/forested areas	
5 June 2002	+ MV Sheet	RAR: MVS	Rustic Acres Rd., Hill Top	981	E	35°38.589	97°13.090	Open meadows/Scrub Oak Forest	65-56F
5 June 2002	+ UV Trap 1	RAR: UVT1	Rustic Acres Rd.; forested hill side	971	E	35°38.694	97°13.042	Hill side forest w. Oak & Hickory	
5 June 2002	+ UV Trap 2	RAR: UVT2	Rustic Acres Rd.; Hansen pasture	939	E	°	°	Open pasture/forested areas	
5 June 2002	+ Baited felt	RAR: BTF	Rustic Acres Rd., Hill Top	981	V	35°38.585	97°13.106	Open meadows/Xeric scrub oak Forest	
5 June 2002	+ Day	RAR:1	Rustic Acres Rd., Hansen pasture	939	V	35°38.660	97°12.887	Open pasture/forested areas	1:20-1:40pm, 3:30-4pm cloudy
5 June 2002	+ Day	LHR	Luther		E	35°39.773	97°11.654	Disturbed grassy area in residential/business area	2:34pm, cloudy
5 June 2002	+ Day	HBK	Hogback Rd.		V	35°38.526	97°13.534	grassy roadside w. purple coneflower & other wildflowers	2:40-2:50, cloudy & windy
5 June 2002	+ Day	RAR:2	W of Rustic Acres Road, near hill top	981	V	35°38.693	97°13.064	Open meadows/varied hill top forest	4:30-6pm, mostly cloudy
6 June 2002	+ MV Sheet	RAR: MVS	Rustic Acres Rd., Hill Top	981	E	35°38.589	97°13.090	Open meadows/Xeric scrub oak Forest	67-50F
6 June 2002	+ UV Trap 1	RAR: UVT1	Rustic Acres Rd.; forested hill side	971	E	35°38.694	97°13.042	Hill side forest w. Oak & Hickory	
6 June 2002	+ UV Trap 2	RAR: UVT2	Rustic Acres Rd.; Hansen pasture	939	E	°	°	Open pasture/forested areas	
6 June 2002	+ Bait Trap K1	RAR:BTP(K1)	Rustic Acres Road, near hill top	981	E	35°38.687	97°13.070	Open meadows/varied hill top forest	
6 June 2002	+ Baited felt	RAR: BTF	Rustic Acres Rd., Hill Top	981	V	35°38.585	97°13.106	Open meadows/Xeric scrub oak Forest	
6 June 2002	- Day	RAR:2	W of Rustic Acres Road, near hill top		V	35°38.693	97°13.064	Open meadows/varied hill top forest	Apx. 10am, sunny
6 June 2002	+ Day	HBK/RAR	Intersection of Hogback & Rustic Acres Rds.		V	35°38.910	97°13.534	Xeric grassy roadside w. purple coneflower & other wildflowers	11:45am (brief), sunny
6 June 2002	+ Day	H44	Hwy 44 just beyond intersection w. Hogback Rd.		V	35°38.226	97°13.921	Xeric grassy roadside w. purple coneflower & other wildflowers, sparse leadplant	12:00 noon, sunny
6 June 2002	+ Day	164/XXX	Triple X Rd./NE 164th St.		V	35°38.251	97°13.830	Xeric grassy roadside w. purple coneflower & other wildflowers	12:10pm, sunny
6 June 2002	+ Day	N150:1	N 150th St.		V	35°37.404	97°13.153	Open grassy ar. w. Purple coneflower surrounded by oaks	Sunny, 78F
6 June 2002	+ Day	N150:2	N 150th St. just W of Pearly Rd.		V	35°37.398	97°12.769	Xeric grassy roadside w. purple coneflower & other wildflowers	Sunny, 78F
6 June 2002	+ Day	N150:3	N 150th St.		V	35°37.400	97°12.511	Grassy oak lined roadside w. P. coneflower, leadplant, yucca, sweetclover & many wildflowers	Sunny, 78F
6 June 2002	+ Day	N150:4	N 150th St.		V	35°37.346	97°10.161	Edge of short grass prairie blocked off by barbed wire fence	Sunny
6 June 2002	+ Day	N150:5	N 150th St.		V	35°37.374	97°08.996	Mesic forest edge w. narrow grassy margin, primrose plants	1:45pm, sunny
6 June 2002	+ Day	N150:6	N of 150th St. from end of pavement on unnamed road		V	35°37.536	97°08.474	Xeric grassy roadside with butterfly weed (an Asclepias) and some prairie plants	2:10pm, sunny, 83F
6 June 2002	+ Day	N150:7	Unnamed dead end road near N 150th St.		V	35°38.181	97°10.615	Large patch of butterfly weed on xeric grassy road side	Sunny
6 June 2002	+ Day	N164:1	NE 164th St. just E of Luther Rd.		V	35°38.262	97°11.517	Xeric grassy roadside w. many purple coneflower & yellow composites	sunny
6 June 2002	+ Day	N164:2	NE 164th St.		V	35°38.284	97°13.344	Shrubby-grassy roadside w. a white blossomed milkweed/ mesic forest	sunny
6 June 2002	+ Day	N164:3	NE 164th St. just S of I 44		V	35°38.286	97°13.583	Xeric open short grass prairie on rock w. purple coneflower & other composites	sunny
6 June 2002	+ Day	N164:4	NE 164th St. just S of I 44		V	35°38.245	97°13.905	Xeric grassy roadside w. purple coneflower & other composites	sunny
6 June 2002	+ Day	HBK	Hogback Rd.		V	35°38.526	97°13.534	grassy roadside w. purple coneflower & other wildflowers	sunny
7 June 2002	- Day	RAR:2	W of Rustic Acres Road, vicinity of hill top	981	V	35°38.687	97°13.070	Open meadows/varied hill top forest	10:30am, sunny
10 June 2002	+ MV Sheet	RAR: MVS	Rustic Acres Rd., Hill Top	981	E	35°38.589	97°13.090	Open meadows/Xeric scrub oak Forest	
10 June 2002	+ UV Trap 1	RAR: UVT1	Rustic Acres Rd.; forested hill side	971	E	35°38.694	97°13.042	Hill side forest w. Oak & Hickory	
10 June 2002	+ Baited felt	RAR: BTF	Rustic Acres Rd., Hill Top	981	V	35°38.585	97°13.106	Open meadows/Xeric scrub oak Forest	
10 June 2002	+ Bait Trail	RAR:BTR	Rustic Acres Rd.; forested hill side	971	V	35°38.694	97°13.042	Hill side forest w. Oak & Hickory	
10 June 2002	+ Bait Trap P1	RAR:BTP(P1)	Rustic Acres Road, near hill top	981	E	35°38.703	97°13.033	Open meadows/varied hill top forest	
10 June 2002	+ Bait Trap NP	RAR:BTP(NP)	Rustic Acres Road, near hill top	981	E	35°38.695	97°13.061	Open meadows/varied hill top forest	
10 June 2002	+ Bait Trap K1	RAR:BTP(K1)	Rustic Acres Road, near hill top	981	E	35°38.687	97°13.070	Open meadows/varied hill top forest	
10 June 2002	+ Bait Trap F1	RAR:BTP(F1)	Rustic Acres Rd. forest edge along Rd.	939	Near	35°38.660	97°12.887	Open pasture/forested areas	
11 June 2002	+ MV Sheet	RAR:MVS	Rustic Acres Road, near hill top	981	E	35°38.719	97°13.040	Open meadows/varied hill top forest	
11 June 2002	+ UV Trap 3	RAR: UVT3	Rustic Acres Road, near hill top	981	E	35°38.680	97°13.081	Open meadows/varied hill top forest	
11 June 2002	+ Baited felt	RAR: BTF	Rustic Acres Road, near hill top	981	V	35°38.715	97°13.055	Open meadows/varied hill top forest	
11 June 2002	+ Bait Trail	RAR: BTR	Rustic Acres Rd.; forested hill side	971	V	35°38.694	97°13.042	Hill side forest w. Oak & Hickory	
11 June 2002	+ Bait Trap P1	RAR:BTP(P1)	Rustic Acres Road, near hill top	981	E	35°38.703	97°13.033	Open meadows/varied hill top forest	
11 June 2002	+ Bait Trap P2	RAR:BTP(P2)	Rustic Acres Road, near hill top	981	E	35°38.666	97°13.077	Open meadows/varied hill top forest	
11 June 2002	+ Bait Trap NP	RAR:BTP(NP)	Rustic Acres Road, near hill top	981	E	35°38.695	97°13.061	Open meadows/varied hill top forest	
11 June 2002	+ Bait Trap K1	RAR:BTP(K1)	Rustic Acres Road, near hill top	981	E	35°38.687	97°13.070	Open meadows/varied hill top forest	
11 June 2002	+ Bait Trap K2	RAR:BTP(K2)	Rustic Acres Road, near hill top	981	E	35°38.706	97°13.075	Open meadows/varied hill top forest	
11 June 2002	+ Bait Trap F1	RAR:BTP(F1)	Rustic Acres Rd. forest edge along Rd.	939	Near	35°38.660	97°12.887	Open pasture/forested areas	
11 June 2002	+ Bait Trap F2	RAR:BTP(F2)	Rustic Acres Rd. forest edge along Rd.	939	Near	35°38.660	97°12.887	Open pasture/forested areas	
11 June 2002	+ Day	RAR:2	W of Rustic Acres Road, vicinity of hill top	981	V	35°38.687	97°13.070	Open meadows/varied hill top forest	10:30am, sunny
11 June 2002	+ Day	N164:4	NE 164th St. just S of I 44		V	35°38.245	97°13.905	Xeric grassy roadside w. purple coneflower & other composites	12:30-12:40pm, partly sunny
11 June 2002	+ Day	N164:3	NE 164th St. just S of I 44		V	35°38.286	97°13.583	Xeric open short grass prairie on rock w. purple coneflower & other composites	12:42-12:50, 3:55-4:05 part. sunny
11 June 2002	+ Day	N164:2	NE 164th St.		V	35°38.284	97°13.344	Shrubby-grassy roadside, milkweed mostly done blooming	12:55-1:15pm
11 June 2002	+ Day	N150:3	N 150th St.		V	35°37.400	97°12.511	Grassy oak lined roadside w. P. coneflower, leadplant, yucca, sweetclover.	1:30-1:50, partly sunny
11 June 2002	+ Day	N150:6	N of 150th St. from end of pavement on unnamed road		V	35°37.536	97°08.474	Xeric grassy roadside with butterfly weed (an Asclepias)	2:2-1:50, part. sunny
11 June 2002	+ Day	HBK	Hogback Rd.		V	35°38.526	97°13.534	grassy roadside w. purple coneflower & other wildflowers	3:32-3:38, most. cloudy

Note: conditions were very windy at all 11 June day survey sites.

Table 3: Diurnal Lepidoptera Biodiversity Blitz Data for Luther, Oklahoma (Oklahoma County) from early June of 2002

	RAR	RAR	LHR	HKB	RAR	HKB/	H44	164	N150	N150	N150	N150	N150	N150	N150	N164	N164	N164	N164	HKB	RAR	RAR	N164	N164	N164	N150	N150	HKB
	day1	day2	DAY	DAY	day2	RAR	DAY	day	day1	day2	day3	day4	day5	day6	day7	day1	day2	day3	day4	day	day2	day2	day4	day3	day2	day3	day6	
LEPIDOPTERA TAXA COLLECTED	5 Jun 02	5 Jun 02	5 Jun 02	5 Jun 02	6 Jun 02	6 Jun 02	6 Jun 02	6 Jun 02	6 Jun 02	6 Jun 02	6 Jun 02	6 Jun 02	6 Jun 02	6 Jun 02	6 Jun 02	6 Jun 02	6 Jun 02	6 Jun 02	6 Jun 02	6 Jun 02	7 Jun 02	11 Jun 02	11 Jun 02	11 Jun 02	11 Jun 02	11 Jun 02	11 Jun 02	11 Jun 02
Total Documented Sp. in Incl. Families	27	14	1	5	2	2	7	5	8	6	14	5	3	11	6	16	14	7	7	9	11	14	2	7	1	8	7	3
RHOPALOCERA	25	13	1	5	2	2	6	5	8	6	14	5	3	11	6	16	13	7	7	9	11	13	2	7	1	8	7	3
HESPERIOIDEA	8	3	0	2	0	2	3	1	4	3	5	2	1	2	0	6	4	3	3	4	0	2	2	3	0	3	2	3
HESPERIIDAE	8	3	0	2	0	2	3	1	4	3	5	2	1	2	0	6	4	3	3	4	0	2	2	3	0	3	2	3
Pyrginae	1	2	0	0	0	0	0	0	1	0	0	0	0	0	0	2	2	0	0	0	0	2	0	1	0	1	0	0
3870 <i>Epargyreus clarus</i>																					X							
3910 <i>Thorybes pylades</i>		X							X							X	X							X				
3913 <i>Thorybes confusus</i>		X																										
3952 <i>Erynnis horatius</i>																	X				X					X		
3966 <i>Pyrgus communis</i>	X															X												
Hesperiinae	7	1	0	2	0	2	3	1	3	3	5	2	1	2	0	4	2	3	3	4	0	0	2	2	0	2	2	3
4013 <i>Hylephila phyleus</i>	X																										X	
4029 <i>Hesperia attalus</i>																					X							X
4041 <i>Polites themistocles</i>												X				X												
4042 <i>Polites origenes</i>	X	X					X		X	X	X	X				X	X	X	X	X						X		X
4046 <i>Wallengrenia otho</i>	X																											
4049 <i>Atalopedes campestris</i>	X										X																	
4050 <i>Atrytone arogos</i>	X			X		X	X	X	X	X	X			X		X		X	X	X			X	X		X	X	X
4051 <i>Atrytone logan</i>				X		X	X		X	X	X		X	X		X	X	X	X	X			X	X		X	X	
4078 <i>Euphyes vestris</i>	X										X																	
4105 <i>Amblyscirtes vialis</i>	X																											
PAPILIONOIDEA	17	10	1	3	2	0	3	4	4	3	9	3	2	9	6	10	9	4	4	5	11	11	0	4	1	5	5	0
PAPILIONIDAE	1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	1	0	0
4157 <i>Battus philenor</i>	X																									X		
4159 <i>Papilio polyxenus</i>														X								X						
4170 <i>Papilio cresephontes</i>							X															X						
PIERIDAE	4	1	0	2	0	0	0	1	0	0	1	1	1	3	1	1	1	0	0	1	1	0	0	2	0	0	1	0
4193 <i>Pontia protodice</i>	X			X																								
4209 <i>Colias philodice</i>		X																										
4210 <i>Colias eurytheme</i>	X			X				X		X	X	X	X	X	X	X	X			X	X			X		X		
4224 <i>Zerene cessionia</i>														X														
4237 <i>Eurema lisa</i>	X																											
4248 <i>Nathalis iole</i>	X													X										X				
LYCAENIDAE	3	3	0	0	0	0	0	0	0	2	1	0	1	1	4	5	0	0	0	0	2	2	0	0	0	2	1	0
4274 <i>Phaeostrymon alcestis</i>																X												
4331 <i>Satyrium favonius</i>	X	X														X	X											
4282 <i>Satyrium calanus</i>	X														X		X											
4285 <i>Satyrium liparops</i>		X															X											
4275 <i>Satyrium titus</i>																					X	X						
4336 <i>Strymon melinus</i>											X					X	X									X		
4360 <i>Hemiargus isola</i>										X						X												
4361 <i>Everes comyntas</i>	X	X								X				X		X					X	X				X	X	
NYMPHALIDAE	9	6	1	1	2	0	2	3	4	3	6	1	1	4	4	5	3	4	4	4	8	7	0	2	1	2	3	0
4420 <i>Polygonia interrogationis</i>		X																			X	X						
4421 <i>Polygonia comma</i>																					X							
4432 <i>Nymphalis antiopa</i>																						X						
4434 <i>Vanessa virginiensis</i>	X						X				X					X												
4437 <i>Vanessa atlanta</i>	X	X									X										X							

