APPENDIX I: SHEEP BREEDING AREA SUMMARIES

Table 45. Observed human activity and bald eagle behavior, Sheep BA, Arizona, 1999.

Type	N[1]	W	F	U	D-D[2] Total	Total
Small Plane	12	6	--	--	12 (57.1%)	18 (56.3%)
Helicopter	2	4	--	--	5 (23.8%)	6 (18.8%)
Barking Dog	2	--	--	--	0	2 (9.4%)
Gunshot	1	1	--	--	2 (9.5%)	2 (9.4%)
Jets	--	1	--	--	0	1 (3.1%)
Tire Blowout	--	--	--	1	0	1 (3.1%)
Hiker	--	--	1	--	1 (4.8%)	1 (3.1%)
Agency Worker	--	--	1	--	1 (4.8%)	1 (3.1%)
Total	17	12	2	1	21	32

[1] Bald eagle behavior, N=none, W=watched, F=flushed, U=unknown.
[2] D-D Total=Observations on dawn-to-dusk days.

Table 46. Observed prey types delivered to the nest, Sheep BA, Arizona, 1999.

Sex	Fish	Birds	Mammals	Unknown	Total
Male	13	2	6	6	27 (51.9%)
Female	7	3	2	11	23 (44.2%)
Unknown	1	--	--	1	2 (3.8%)
Total	21 (40.4%)	5 (9.6%)	8 (15.4%)	18 (34.6%)	52

Table 47. Observed human activity and bald eagle behavior, Sheep BA, Arizona, 2000.

Type	N[1]	W	F	U	Total
Small Plane	7	4	--	--	11 (50.0%)
Helicopter	2	1	--	1	4 (18.2%)
Ranchers	--	3	--	--	3 (13.6%)
OHV	1	1	--	--	2 (9.1%)
Agency Worker	--	--	1	--	1 (4.6%)
Gunshot	--	1	--	--	1 (4.6%)
Total	10	10	1	1	22

[1] Bald eagle behavior, N=none, W=watched, F=flushed, U=unknown.

Table 48. Observed prey types delivered to the nest, Sheep BA, Arizona, 2000.

Sex	Fish	Birds	Mammals	Unknown	Total
Male	17	2	2	7	28 (80.0%)
Female	3	1	--	3	7 (20.0%)
Total	20 (57.1%)	3 (8.6%)	2 (5.7%)	10 (28.6%)	35

APPENDIX J: SYCAMORE BREEDING AREA SUMMARIES

Table 49. Observed human activity and bald eagle behavior, Sycamore BA, Arizona, 1999.

Type	N[1]	W	R	F	L	X	U	D-D[2] Total	Total
Small Plane	348	24	4	--	--	3	4	250 (59.2%)	383 (52.0%)
Helicopter	156	11	1	1	--	4	1	53 (12.6%)	174 (23.6%)
Driver	24	3	7	8	1	4	--	31 (7.4%)	47 (6.4%)
OHV	18	--	1	3	3	1	--	23 (5.5%)	26 (3.5%)
Horseback Rider	22	--	--	1	--	--	--	13 (3.1%)	23 (3.1%)
Rafter	15	1	1	2	--	1	--	11 (2.6%)	20 (2.7%)
Researcher	--	5	2	2	--	3	1	7 (1.7%)	13 (1.8%)
Police	11	--	--	1	--	--	--	9 (2.1%)	12 (1.6%)
Canoe/Kayak	9	--	--	1	--	--	--	7 (1.7%)	10 (1.4%)
Misc. Recreationist	6	1	--	1	--	--	--	6 (1.4%)	8 (1.1%)
Dog Catcher	1	--	--	3	--	--	--	0	4 (0.5%)
Fisherman	4	--	--	--	--	--	--	4 (0.9%)	4 (0.5%)
Picnicker	3	--	--	1	--	--	--	4 (0.9%)	4 (0.5%)
Ultra light	1	2	--	--	--	--	--	3 (0.7%)	3 (0.4%)
Hiker	1	--	--	1	--	--	--	1 (0.2%)	2 (2.7%)
Agency Worker	1	--	--	--	--	--	--	0	1 (0.1%)
SRP	--	--	--	--	--	1	--	0	1 (0.1%)
Swimmer	--	--	--	1	--	--	--	0	1 (0.1%)
Total	620	47	16	26	4	17	6	422	736

[1] Bald eagle behavior, N=none, W=watched, R=restless, F=flushed, L=left area, X=various other responses, U=unknown.
[2] D-D Total=Observations on dawn-to-dusk days.

Table 50. Observed forage event and success, Sycamore BA, Arizona, 1999.

Sex	Fish		Mammals		Unknown		Total	
	E[1]	S[2]-U	E	S-U	E	S-U	E	S-U
Male	1	1-0	1	1-0	5	2-3	7	4-3
Female	5	4-1	--	--	--	--	5	4-1
Unknown	--	--	--	--	2	0-2	2	0-2
Total	6	5-1	1	1-0	7	2-5	14	8-6

[1] E=A Single forage event, not the number of attempts during one attempt.
[2] S-U=Successful – Unsuccessful forage events.

Table 51. Observed prey types delivered to the nest, Sycamore BA, Arizona, 1999.

Sex	Fish	Birds	Mammals	Unknown	Total
Male	29	6	2	8	45 (54.2%)
Female	31	--	3	4	38 (45.7%)
Total	60 (72.3%)	6 (7.2%)	5 (6.0%)	12 (14.5%)	83

Table 52. Observed prey items delivered to the nest, Sycamore BA, 1999.

Sex	Fish				Birds			Mammals	Total
	S[1]	C	T	SMB	D	A	G	R	
Male	11	3	4	--	2	1	1	--	22 (53.6%)
Female	16	1	--	1	--	--	--	1	19 (46.3%)
Total	27	4	4	1	2	1	1	1	41

[1] S=sucker spp., C=carp, T=trout, SMB=smallmouth bass, D=duck, A=American coot, G=grebe, R=western cottontail.

Table 53. Observed human activity and bald eagle behavior, Sycamore BA, Arizona, 2000.

Type	N[1]	W	F	U	Total
Small Plane	57	3	1	1	62 (53.4%)
Helicopter	26	4	1	1	32 (27.6%)
Driver	6	--	--	--	6 (5.2%)
Gunshot	3	--	1	--	4 (3.4%)
Shaman	3	1	--	--	4 (3.4%)
OHV	2	--	--	--	2 (1.7%)
Horseback Rider	2	--	--	--	2 (1.7%)
Canoe/Kayak	1	1	--	--	2 (1.7%)
Hiker	2	--	--	--	2 (1.7%)
Total	102	9	3	2	116

[1] Bald eagle behavior, N=none, W=watched, F=flushed, U=unknown.

APPENDIX K: TONTO BREEDING AREA SUMMARIES

Table 54. Observed human activity and bald eagle behavior, Tonto BA, Arizona, 1999.

Type	N[1]	W	R	F	U	D-D[2] Total	Total
Small Plane	9	13	--	--	17	26 (66.6%)	39 (60.0%)
Helicopter	1	5	--	--	5	2 (5.1%)	11 (16.9%)
Domestic Dogs	1	3	--	--	--	3 (7.6%)	4 (6.1%)
OHV	2	--	--	1	--	3 (7.6%)	3 (4.6%)
Hiker	1	--	--	--	1	2 (5.1%)	2 (3.1%)
Jet	--	--	--	--	2	1 (2.6%)	2 (3.1%)
Driver	--	1	--	--	--	1 (2.6%)	1 (1.5%)
Horseback Riders	--	--	1	--	--	0	1 (1.5%)
Tuber	--	1	--	--	--	1 (2.6%)	1 (1.5%)
Agency Worker	--	--	--	1	--	0	1 (1.5%)
Total	14	23	1	2	25	39	65

[1] Bald eagle behavior, N=none, W=watched, R=restless, F=flushed, U=unknown.
[2] D-D Total=Observations on dawn-to-dusk days.

Table 55. Observed prey types delivered to the nest, Tonto BA, Arizona, 1999.

Sex	Fish	Birds	Mammals	Unknown	D-D[1] Total	Total
Male	21	1	5	27	34 (79.1%)	54 (76.1%)
Female	6	--	--	6	7 (16.3%)	12 (16.9%)
Unknown	3	--	--	2	2 (4.7%)	5 (7.0%)
Total	30 (42.2%)	1 (1.4%)	5 (7.0%)	35 (49.3%)	43	71

[1] D-D Total=Observations on dawn-to-dusk days.

Table 56. Observed human activity and bald eagle behavior, Tonto BA, Arizona, 2000.

Type	N[1]	W	R	L	Total
Small Plane	2	1	1	--	4 (23.5%)
Helicopter	--	4	--	--	4 (23.5%)
Hunter	3	--	--	--	3 (17.6%)
Domestic Dogs	2	--	--	--	2 (11.7%)
Horseback Riders	1	1	--	--	2 (11.7%)
Agency Worker	--	--	1	1	2 (11.7%)
Total	8	6	2	1	17

[1] Bald eagle behavior, N=none, W=watched, R=restless, L=left area.

APPENDIX L: TOWER BREEDING AREA SUMMARIES

Table 57. Observed human activity and bald eagle behavior, Tower BA, Arizona, 1999.

Type	N[1]	W	R	F	L	X	U	D-D[2] Total	Total
Small Plane	189	28	4	2	1	3	24	140 (46.4%)	251 (44.9%)
Trains	72	67	1	3	2	3	6	91 (30.1%)	154 (27.6%)
Vehicles	66	19	--	--	--	--	6	29 (9.6%)	91 (16.3%)
Sightseer	16	1	--	--	--	--	--	12 (4.0%)	17 (3.0%)
Gunshot	3	2	--	--	--	--	6	11 (3.6%)	11 (2.0%)
Helicopter	5	4	--	--	--	--	1	7 (2.3%)	10 (1.8%)
Agency Worker	9	--	--	--	--	--	--	0	9 (1.6%)
Watercraft	--	5	--	--	--	--	--	5 (1.7%)	5 (0.9%)
Domestic Dogs	1	--	--	--	--	1	--	2 (0.7%)	2 (0.4%)
OHV	2	--	--	--	--	--	--	2 (0.7%)	2 (0.4%)
Sonic Boom	2	--	--	--	--	--	--	0	2 (0.4%)
Cattle	1	--	--	--	--	--	--	1 (0.3%)	1 (0.2%)
Swimmer	1	--	--	--	--	--	--	1 (0.3%)	1 (0.2%)
Hiker	1	--	--	--	--	--	--	1 (0.3%)	1 (0.2%)
Jet	1	--	--	--	--	--	--	0	1 (0.2%)
Photographer	1	--	--	--	--	--	--	0	1 (0.2%)
Total	370	126	5	5	3	7	43	302	559

[1] Bald eagle behavior, N=none, W=watched, R=restless, F=flushed, L=left area, X=other (no explanation offered), U=unknown.
[2] D-D Total=Observations on dawn-to-dusk days.

Table 58. Observed forage event and success, Tower BA, Arizona, 1999.

Sex	Fish		Birds		Mammals		Carrion		Unknown		Total	
	E[1]	S[2]-U	E	S-U	E	S-U	E	S-U	E	S-U	E	S-U
Male	11	10-1	--	--	1	0-1	--	--	--	--	12	10-2
Female	3	3-0	2	0-2	--	--	1	1-0	2	0-2	8	4-4
Total	14	13-1	2	0-2	1	0-1	1	1-0	2	0-2	20	14-6

[1] E=A Single forage event, not the number of attempts during one attempt.
[2] S-U=Successful – Unsuccessful forage events.

Table 59. Observed prey types delivered to the nest, Tower BA, Arizona, 1999.

Sex	Fish	Birds	Mammals	Carrion	Unknown	Total
Male	48	2	2	2	7	61 (61.6%)
Female	30	--	--	1	3	34 (34.3%)
Unknown	4	--	--	--	--	4 (4.0 %)
Total	82 (82.9%)	2 (2.0%)	2 (2.0%)	3 (3.0%)	10 (10.1%)	99

Table 60. Observed prey items delivered to the nest, Tower BA, 1999.

Sex	Fish					Total
	S[1]	BT	CC	C	B	
Male	14	5	6	2	1	28 (63.6%)
Female	10	3	1	2	--	16 (36.3%)
Total	24	8	7	4	1	44

[1] S=sucker spp., C=carp, BT=brown trout, CC=channel catfish, C=carp, B=bass sp..

Table 61. Observed human activity and bald eagle behavior, Tower BA, Arizona, 2000.

Type	N[1]	W	R	F	L	U	Total
Trains	98	37	--	--	1	1	137 (45.5%)
R.R. Vehicle	50	13	--	1	--	5	69 (22.9%)
Small Plane	30	13	--	--	--	3	46 (15.3%)
Helicopter	2	9	--	--	--	--	11 (3.7%)
Driver	4	2	--	--	--	1	7 (2.3%)
Cattle	2	4	--	--	--	--	6 (2.0%)
Hiker	4	1	1	--	--	--	6 (2.0%)
Agency Worker	2	1	--	--	--	--	3 (1.0%)
Canoe	2	1	--	--	--	--	3 (1.0%)
OHV	1	1	--	--	--	--	2 (0.7%)
Rancher	1	1	--	--	--	--	2 (0.7%)
A.P.S. Crew	--	2	--	--	--	--	2 (0.7%)
Shooter	--	2	--	--	--	--	2 (0.7%)
Gunshot	1	--	--	--	--	--	1 (0.3%)
Fisherman	--	1	--	--	--	--	1 (0.3%)
Loud Bang	--	--	--	--	--	1	1 (0.3%)
Train Horn	1	--	--	--	--	--	1 (0.3%)
Photographer	--	1	--	--	--	--	1 (0.3%)
Total	198	89	1	1	1	11	301

[1] Bald eagle behavior, N=none, W=watched, R=restless, F=flushed, L=left area, X=other (no explanation offered), U=unknown.
[2] D-D Total=Observations on dawn-to-dusk days.

Table 62. Observed forage event and success, Tower BA, Arizona, 2000.

Sex	Fish		Birds		Mammals		Carrion		Total	
	E[1]	S[2]-U	E	S-U	E	S-U	E	S-U	E	S-U
Male	10	7-3	1	1-0	1	1.0	1	1-0	13	10-3
Female	8	6-2	--	--	--	--	--	--	8	6-2
Both	--	--	1	1-0	1	0-1	--	--	2	1-1
Total	18	13-5	2	2-0	2	1-1	1	1-0	23	17-6

[1] E=A Single forage event, not the number of attempts during one attempt.
[2] S-U=Successful – Unsuccessful forage events.

Table 63. Observed prey types delivered to the nest. Tower BA. Arizona. 2000.

Sex	Fish	Birds	Mammals	Unknown	Total
Male	34	3	17	5	59 (72.0%)
Female	14	1	7	1	23 (28.0%)
Total	48 (58.5%)	4 (4.9%)	24 (29.3%)	6 (7.3%)	82

Table 64. Observed prey items delivered to the nest. Tower BA. 2000.

Sex	Fish					Birds		Mammals			Total
	S[1]	T	CC	C	FC	AC	G	WC	SQ	CR	
Male	22	2	1	1	2	2	1	1	1	2	35 (66.0%)
Female	12	1	2	--	--	1	--	--	1	1	18 (34.0%)
Total	34	3	3	1	2	3	1	1	2	3	53

[1] S=sucker spp., T=trout, CC=channel catfish, C=carp, FC=flathead catfish, AC=American coot, G=grebe, WC=western cottontail, SQ=Squirrel, CR=cotton rat.