

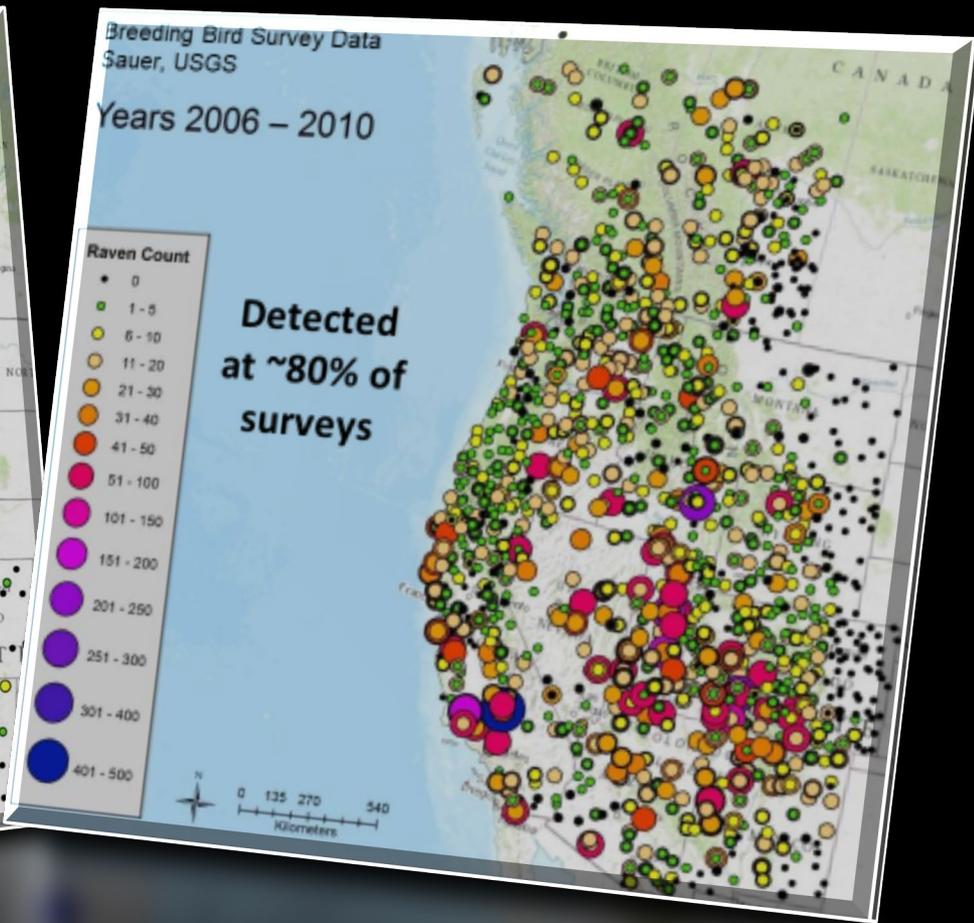
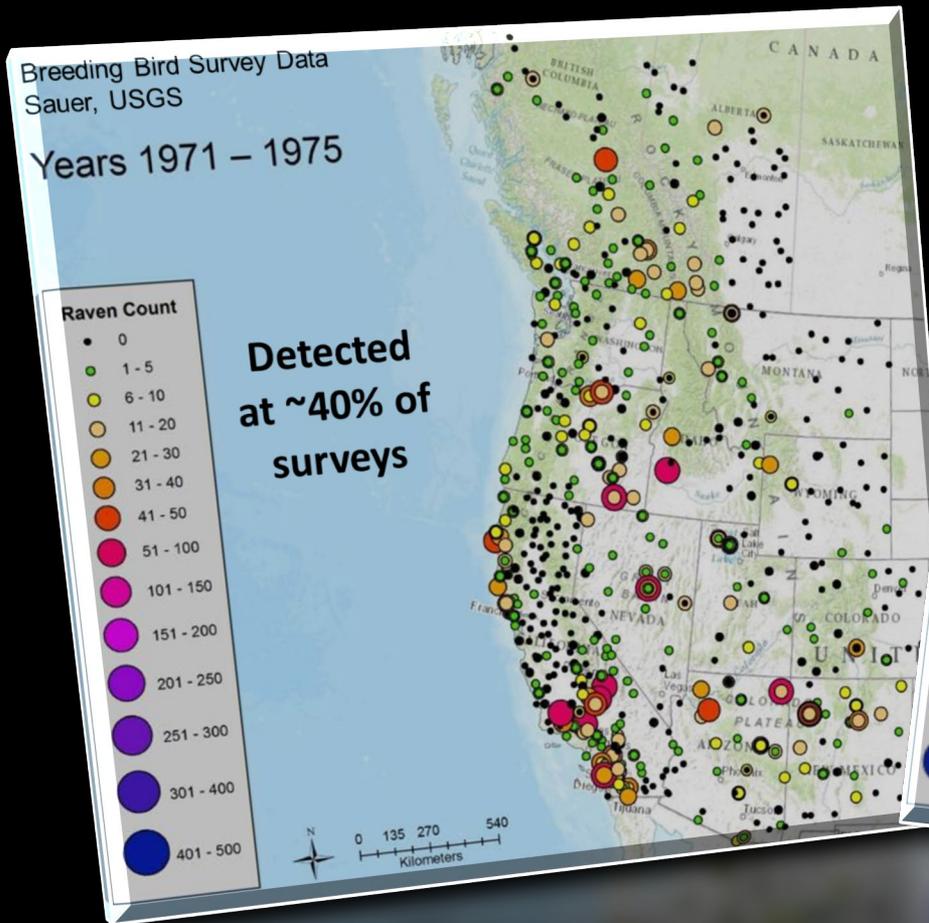
Common Raven Predation Pressure on TechnoTorts in the Fremont-Kramer Critical Habitat Unit



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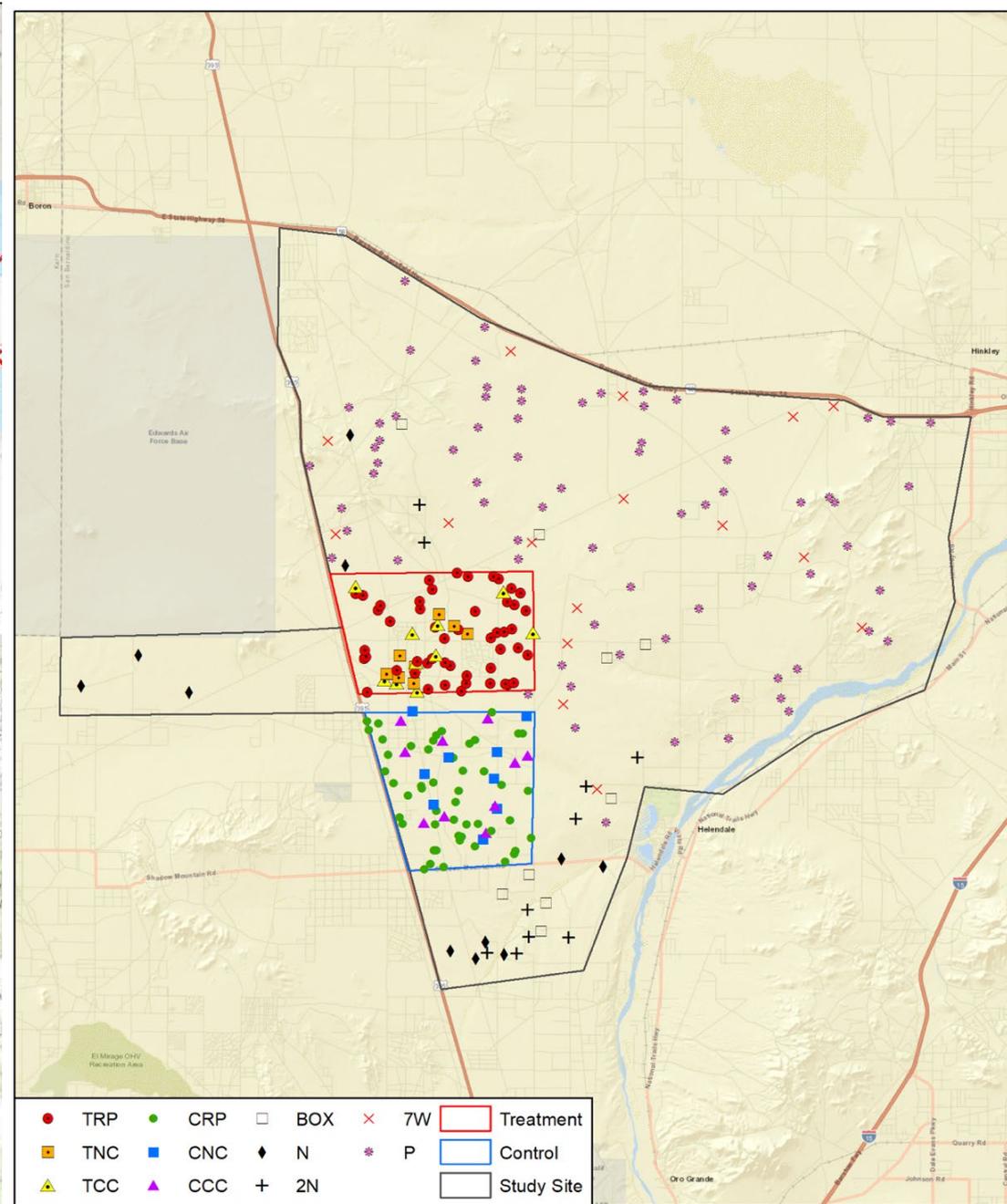
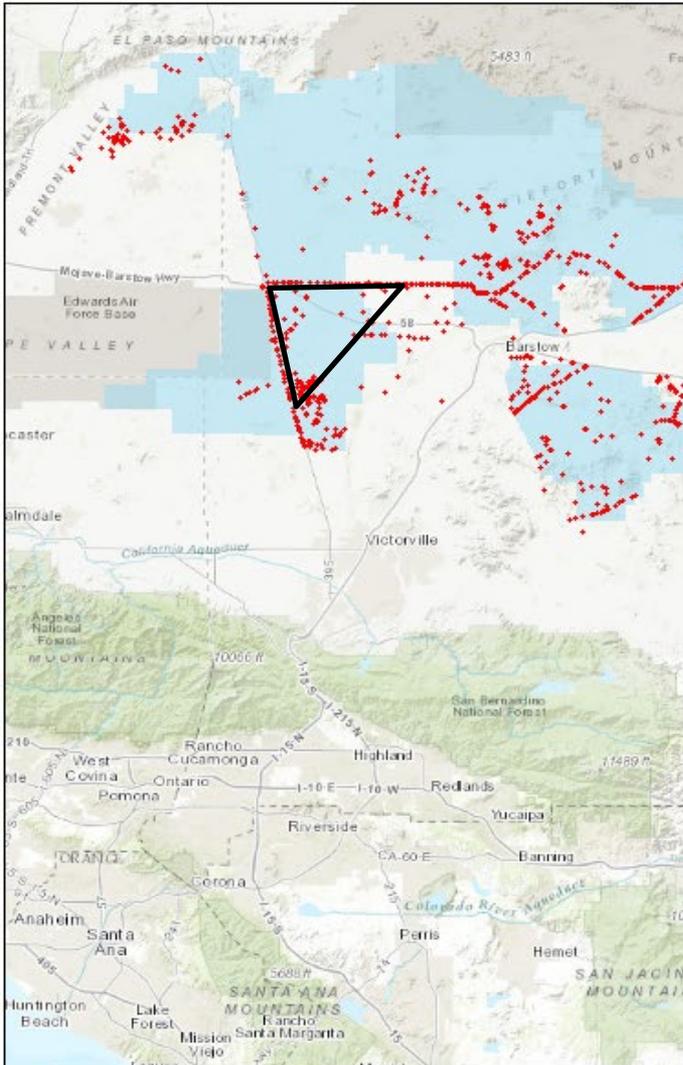


Common Raven Population Explosion



Population Explosion Drivers





Legend

- Common Raven Nests
- Tortoise Critical Habitat

● TRP	● CRP	□ BOX	× 7W	■ Treatment
■ TNC	■ CNC	◆ N	* P	■ Control
▲ TCC	▲ CCC	+ 2N	□ Study Site	

0 5 10
Kilometers

N



Effectiveness Monitoring



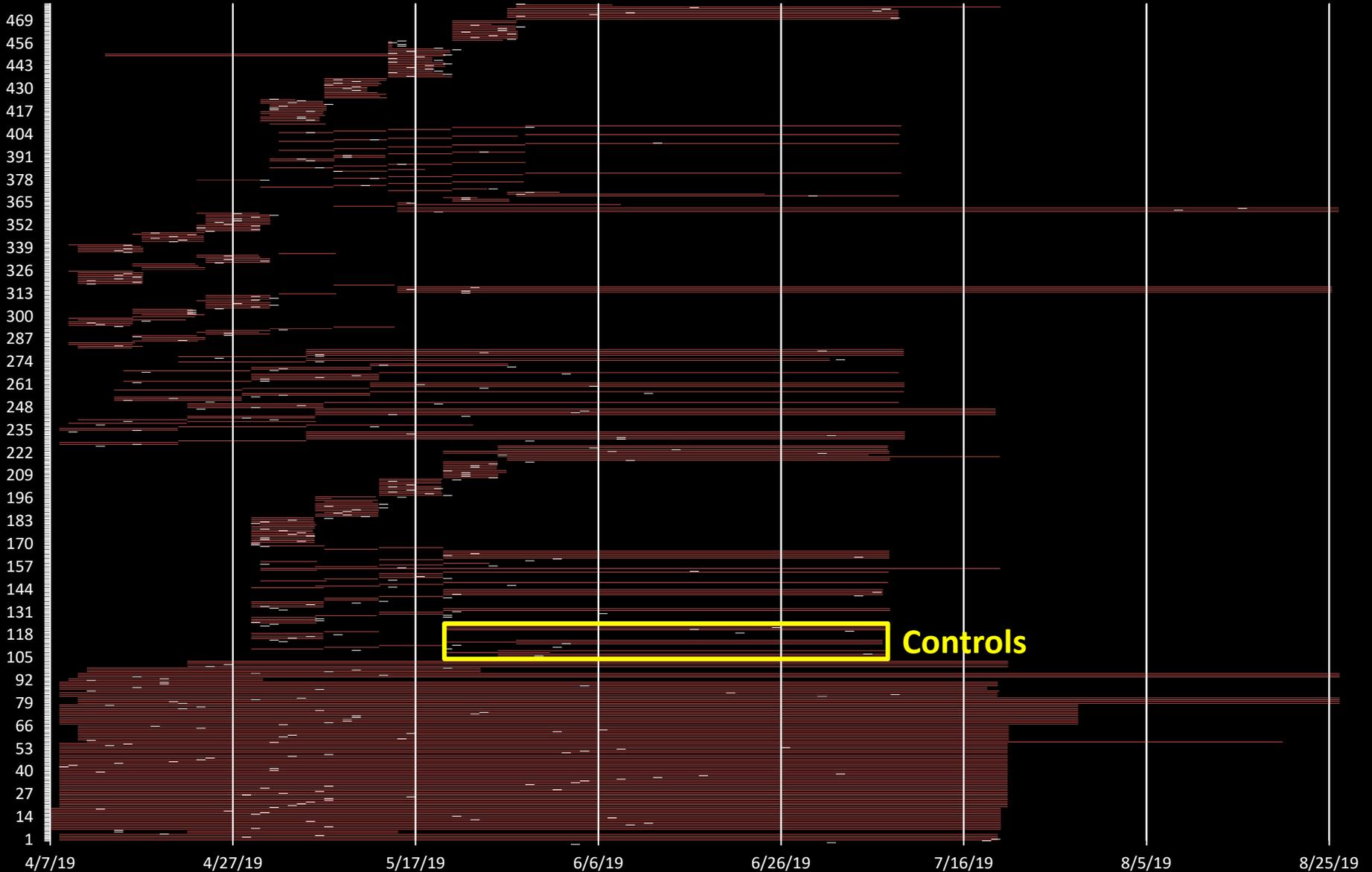
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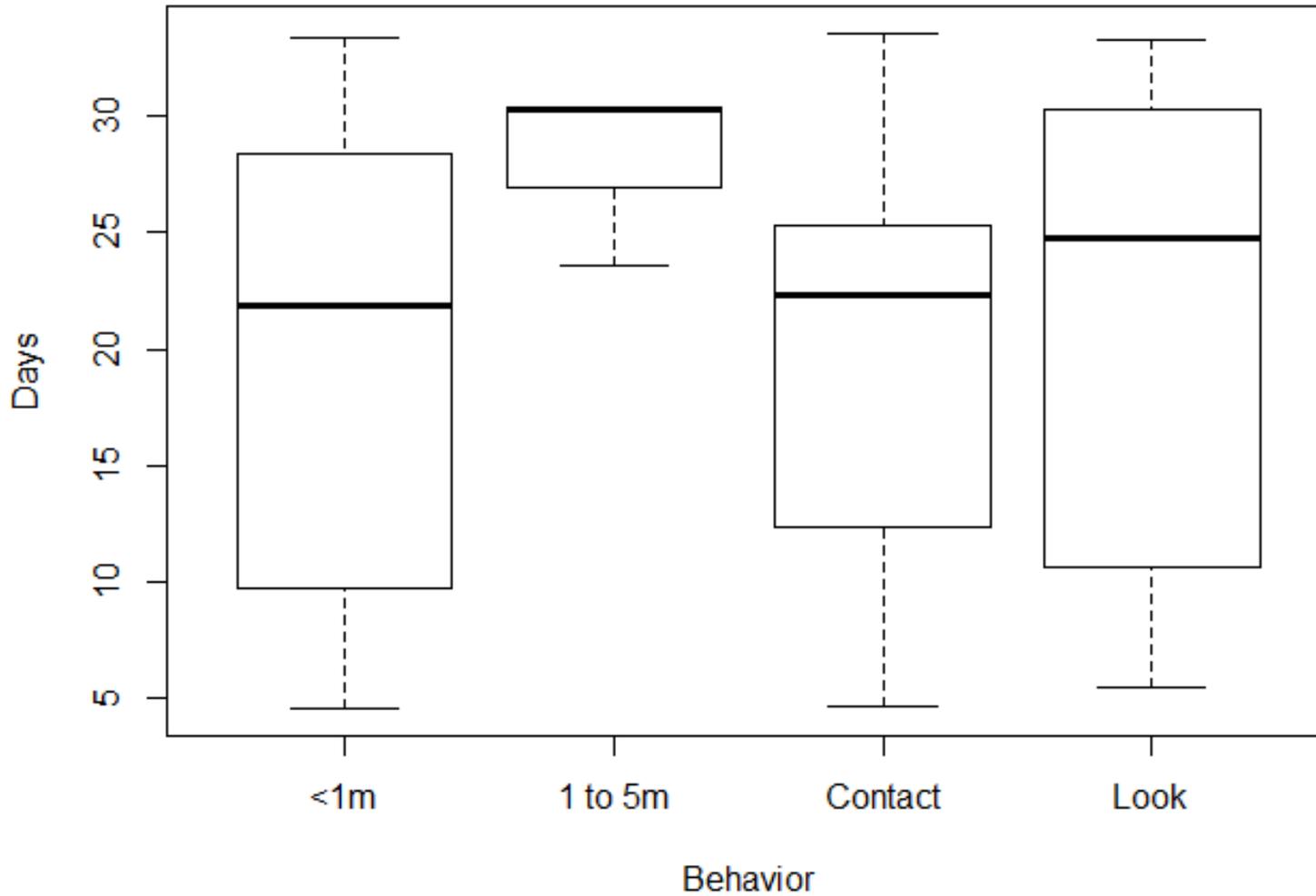
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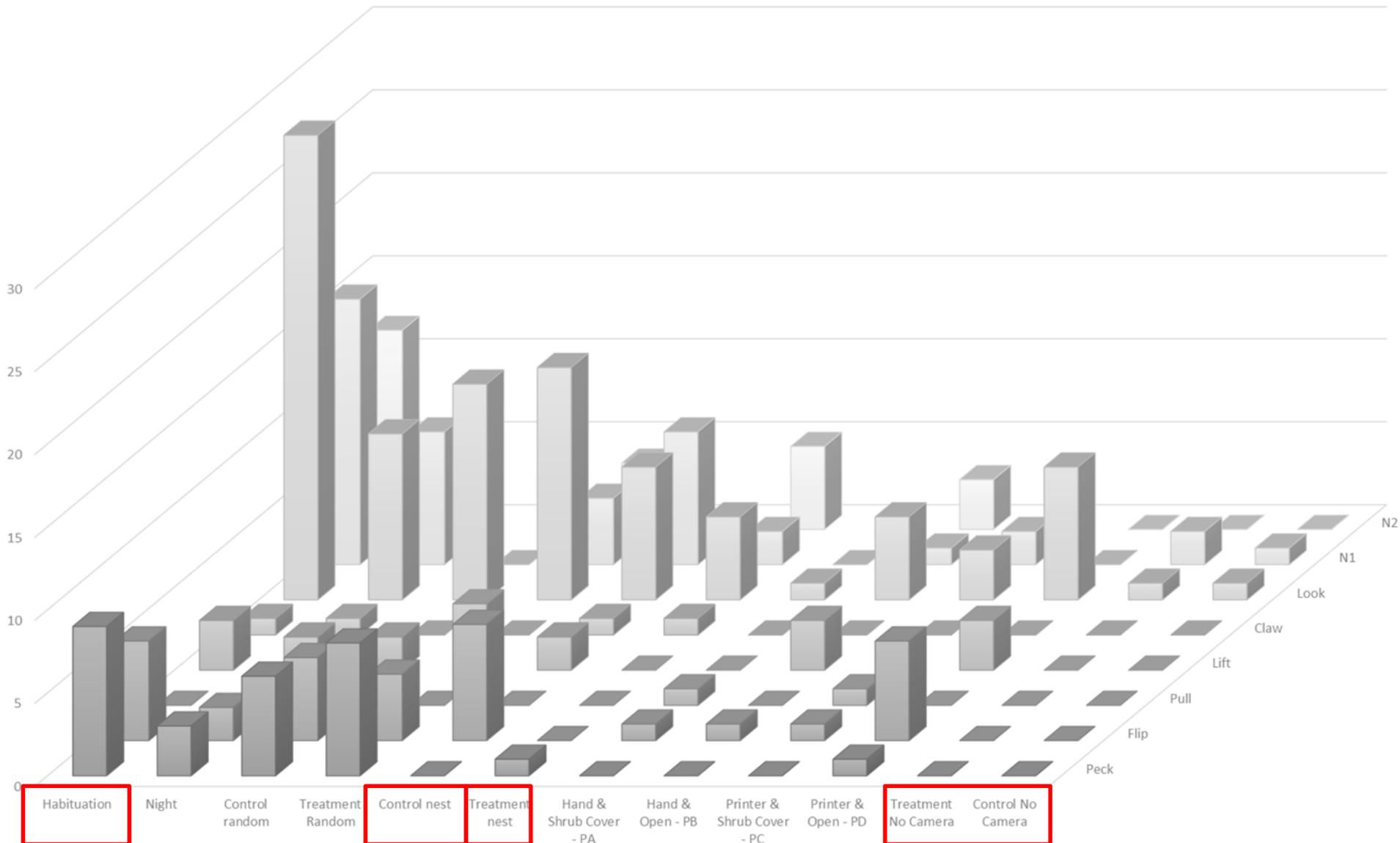
Trapping Effort & Raven Observations



Habituation Results



Response Frequency



Attack Rate Results

	Camera Only	Novel Object & Camera	Habituation Trial	Control Nest	Treatment Nest
Trap days	97.0	218.3	1,516.8	678.6	376.5
Number of traps	3	6	16	36	36
Total visits	2	5	74	26	14
Daily visitation odds	~1/49	~1/43	~1/20	~1/26	~1/27
Weekly visitation odds	~1/7	~1/6	~1/3	~1/4	~1/4
Date Range	May 20 to June 8	May 12 to July 21	April 7 to August 27	April 29 to June 20	April 23 to June 9

Persistence of a simulated population of 1,000 hatchling desert tortoises, which experience a 83.33% weekly survival rate, as did habitation models, when adjusted for camera attractance, in the Fremont-Kramer Critical Habitat Unit

Week	Spring Active Season	Number of Tortoises
1	1	1000.0
2		833.3
3		694.4
4		578.6
5		482.2
6		401.8
7		334.8
8		279.0
9		232.5
10		193.7
11	2	161.4
12		134.5
13		112.1
14		93.4
15		77.8
16		64.9
17		54.1
18		45.0
19		37.5
20		31.3
21	3	26.1
22		21.7
23		18.1
24		15.1
25		12.6
26		10.5
27		8.7
28		7.3
29		6.1
30		5.0
31	4	4.2
32		3.5
33		2.9
34		2.4
35		2.0
36		1.7
37		1.4
38		1.2
39		1.0
40		0.8

Questions?

