

Supplementary Material

Table S1. Record of all instances where the male tuatara was captured by the camera trap outside or in the little spotted kiwi (LSK) nest burrow, featuring relevant time points re: LSK incubation and nest vacation (upper case), plus visits to the burrow by both LSK parents after the LSK chick had left.

Date	Time	Event	Species
07/11/2011	NA	LSK MALE BEGINS INCUBATING	LSK
10/11/2011	NA	CAMERA INSTALLED	NA
22/11/2011	05:36	Male tuatara seen outside nest burrow for first time	Tuatara
22/11/2011	05:37	Male tuatara seen outside nest burrow, moving away	Tuatara
01/02/2012	NA	ESTIMATED HATCH DATE FOR LSK CHICK	LSK
08/02/2012	NA	INTERACTION BETWEEN MALE LSK AND TUATARA DESCRIBED IN THIS STUDY	Both
01/03/2012	NA	LAST TIME LSK CHICK RECORDED LEAVING NEST	LSK
02/03/2012	NA	LAST TIME MALE LSK RECORDED LEAVING NEST	LSK
25/03/2012	20:44	Male tuatara outside burrow	Tuatara
25/03/2012	22:43	Male LSK visits nest burrow and probes around entrance for ~30 seconds. Tuatara not seen.	LSK
26/03/2012	13:43	Male tuatara outside burrow	Tuatara
26/03/2012	15:03	Male tuatara outside burrow	Tuatara
26/03/2012	15:13	Male tuatara outside burrow	Tuatara
26/03/2012	23:19	Female LSK sticks head right inside and slowly withdraws. Tuatara not seen.	LSK
26/03/2012	23:20	Female LSK digging through grass and leaf litter outside and above burrow. Tuatara not seen.	LSK
26/03/2012	23:22	Female LSK feeding in grass pile outside burrow then leaves. Tuatara not seen.	LSK
27/03/2012	13:59	Male tuatara outside burrow	Tuatara
27/03/2012	14:18	Male tuatara outside burrow	Tuatara
28/03/2012	13:02	Male tuatara outside burrow	Tuatara
28/03/2012	13:40	Male tuatara outside burrow	Tuatara
29/03/2012	04:02	Male LSK feeding outside burrow. Tuatara not seen.	LSK
29/03/2012	12:28	Male tuatara outside burrow	Tuatara
31/03/2012	13:27	Male tuatara outside burrow	Tuatara
31/03/2012	13:39	Male tuatara outside burrow	Tuatara
31/03/2012	14:37	Male tuatara outside burrow	Tuatara
31/03/2012	14:43	Male tuatara outside burrow	Tuatara
31/03/2012	15:17	Male tuatara outside burrow	Tuatara
31/03/2012	15:25	Male tuatara outside burrow	Tuatara
31/03/2012	15:50	Male tuatara outside burrow	Tuatara
31/03/2012	17:43	Male tuatara outside burrow	Tuatara
31/03/2012	17:49	Male tuatara outside burrow	Tuatara
31/03/2012	17:56	Male tuatara outside burrow	Tuatara
01/04/2012	14:09	Male tuatara outside burrow	Tuatara
01/04/2012	14:22	Male tuatara outside burrow	Tuatara
01/04/2012	15:13	Male tuatara outside burrow	Tuatara
02/04/2012	13:33	Male tuatara outside burrow	Tuatara
02/04/2012	14:23	Male tuatara outside burrow	Tuatara
02/04/2012	14:52	Male tuatara outside burrow	Tuatara
02/04/2012	15:06	Male tuatara outside burrow	Tuatara
03/04/2012	14:07	Male tuatara outside burrow	Tuatara
04/04/2012	20:10	Female LSK puts head right inside burrow then slowly out again, then leaves. Tuatara not seen.	LSK
04/04/2012	23:23	Female LSK pokes head inside burrow a few times. Feeding. Then wanders out of shot. Tuatara not seen.	LSK
05/04/2012	20:25	Male LSK poking around inside burrow for a bit then leaves. Tuatara not seen.	LSK
11/04/2012	00:16	Adult kiwi inspects nest – cannot see if male or female. Tuatara not seen.	LSK
12/04/2012	21:55	Adult kiwi inspects nest – cannot see if male or female. Tuatara not seen.	LSK
12/04/2012	22:52	Adult kiwi inspects nest – cannot see if male or female. Tuatara not seen.	LSK
14/04/2012	19:39	Adult kiwi inspects nest – cannot see if male or female. Tuatara not seen.	LSK
16/04/2012	00:38	Male tuatara outside burrow	Tuatara

Table S1. Continued.

Date	Time	Event	Species
16/04/2012	14:41	Male tuatara outside burrow	Tuatara
16/04/2012	20:24	Female LSK outside burrow – moves some leaves around. Tuatara not seen.	LSK
19/04/2012	19:07	Female LSK standing outside burrow. Tuatara not seen.	LSK
23/04/2012	NA	CAMERA REMOVED	NA

Table S2. Locations where tuatara and kiwi currently co-occur in New Zealand. LSK = little spotted kiwi (*Apteryx owenii*); NIB = North Island brown (*A. mantelli*); Tokoeka = Southern brown kiwi (*A. australis*). Cape Kidnappers Sanctuary is also home to LSK, NIB, and tuatara, but the three species are separated by fences and so this site is not included.

Site with tuatara and kiwi	Kiwi species present
Taranga (Hen Island)	LSK
Tiritiri Matangi Island	LSK
Motuihe Island	LSK
Whakau (Red Mercury Island)	LSK
Zealandia Sanctuary	LSK
Long Island	LSK
Hauturu (Little Barrier Island)	NIB
Tuhua (Mayor Island)	NIB
Moutohora (Whale Island)	NIB
Maungatautari Sanctuary	NIB
Orokonui	Tokoeka