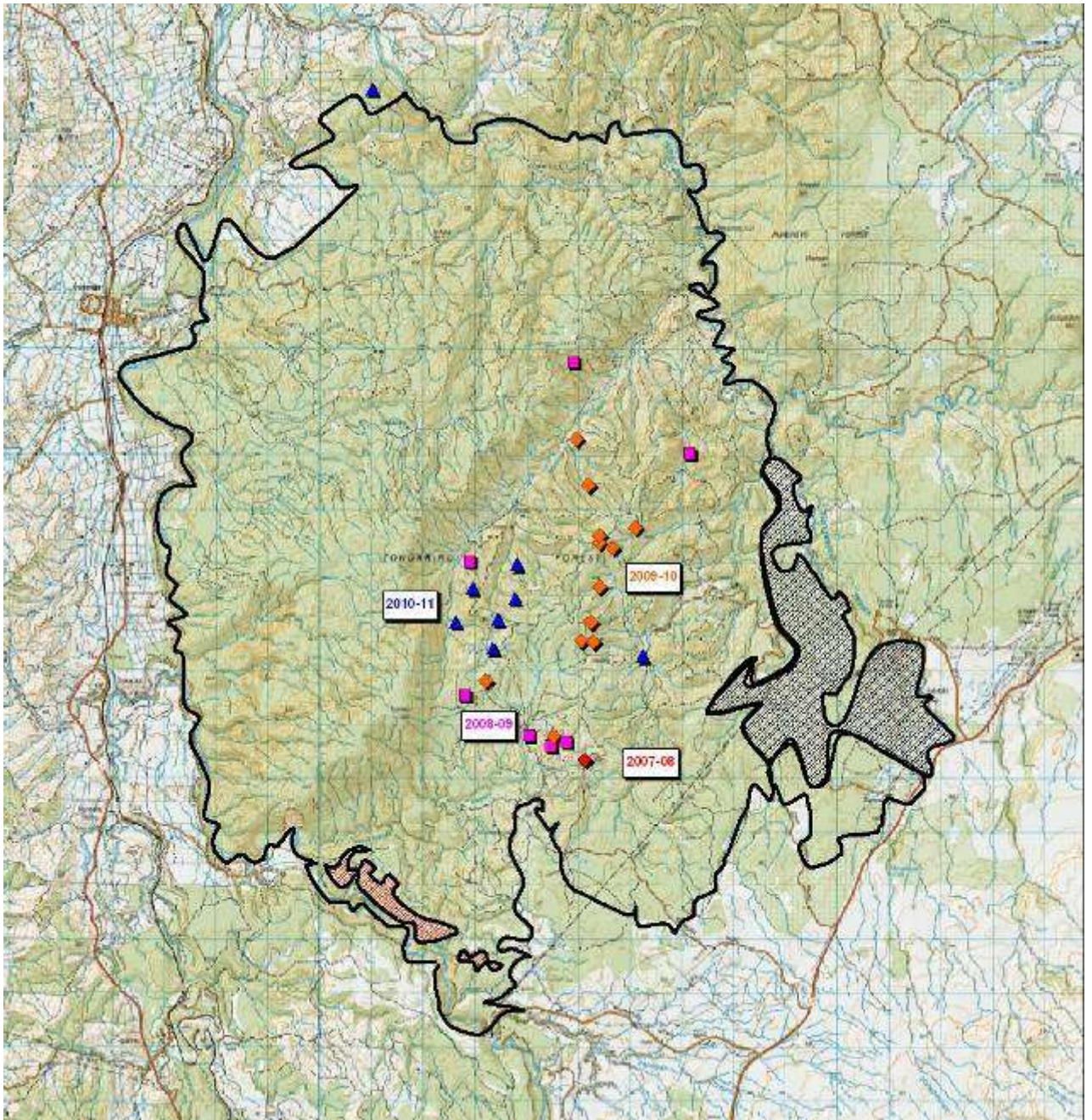


APPENDIX 1: TONGARIRO FOREST KIWI SANCTUARY FERRET PREDATION EVENT LOCATIONS



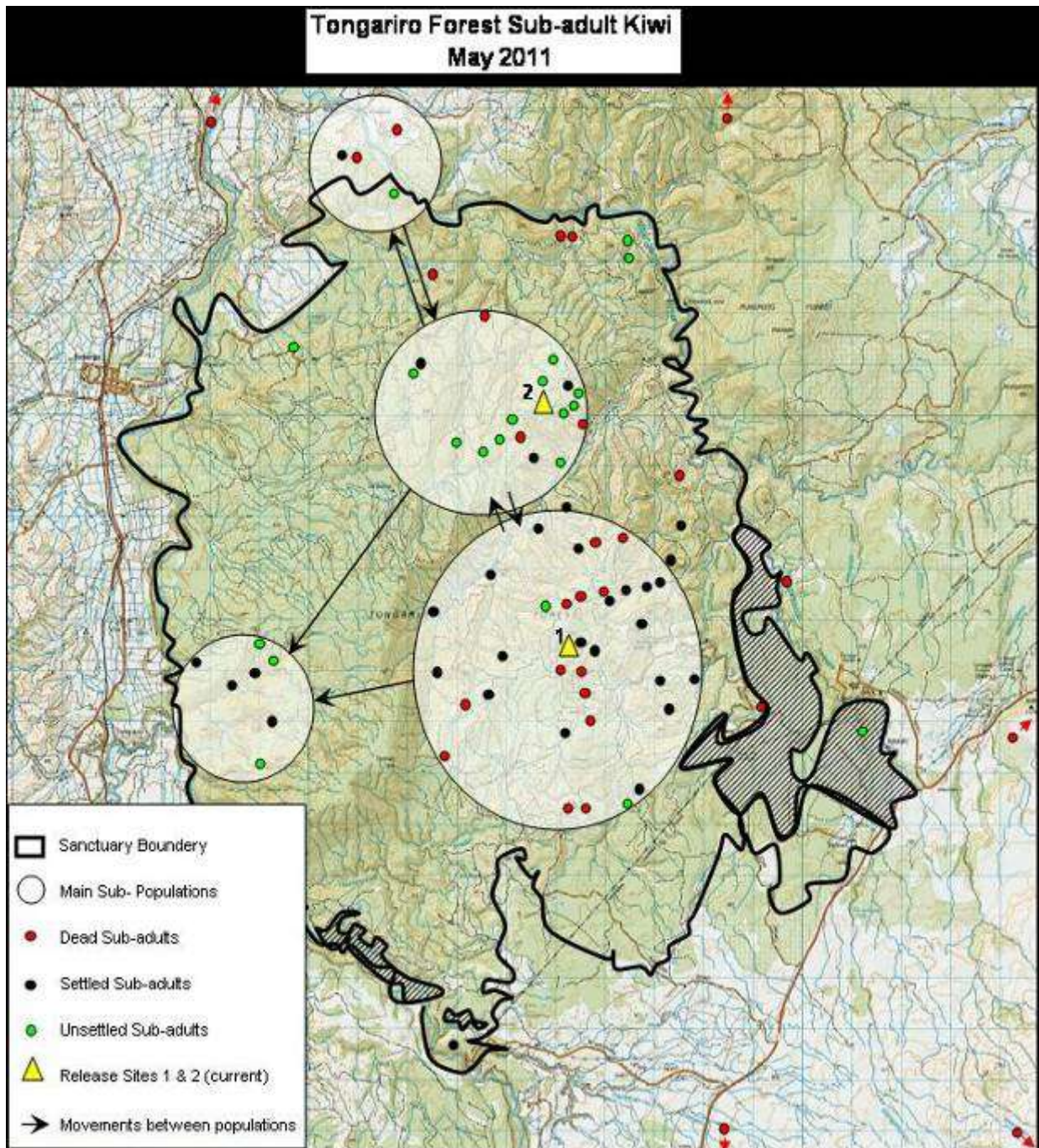
APPENDIX 2: AGE AT FIRST BREEDING OF KNOWN-AGED KIWI 2001-11.

Gender	O.N.E or Wild-hatched	Age of territoriality (years)	Age of first breeding (years)	Cohort	Nest Outcome or age (years)
male (pair 1)	O.N.E	1.25	2.8	2002/03	2 rotten eggs
female (pair 1)	O.N.E	1.7	2.8	2002/03	2 rotten eggs
male	O.N.E	2.55	5.4	2002/03	1 chick
female (pair 2)	O.N.E*	unknown	probably 4.5	2002/03	1 infertile egg
female	O.N.E*	unknown	probably 3.5	2002/03	1 chick
female	O.N.E*	1.38	probably 3.9	2003/04	1 broken egg
male	O.N.E	1.32	4	2003/04	1 broken egg
male	O.N.E	1.6	4.98	2003/04	1 dead chick
Male	O.N.E	1.86	not yet	2003/04	7.54
male	O.N.E	1.91	3.97	2004/05	Unknown, egg shells
female	O.N.E	2.47	4.29	2004/05	Found gravid
male	O.N.E	0.5 (release age)	not yet	2004/05	6.53
male	O.N.E	3.94	4.64	2005/06	2 viable eggs
male	O.N.E	2.01	4.83	2005/06	2 rotten eggs
female	O.N.E	not yet	not yet	2009/10	1.7
male	O.N.E	not yet	not yet	2009/10	1.48
male	O.N.E	not yet	not yet	2009/10	1.41
female	O.N.E	not yet	not yet	2009/10	1.3
female	O.N.E	not yet	not yet	2009/10	1.3
male	Wild-hatched	1	3.43	2001/02	2 chicks
male (pair 2)	Wild-hatched	2.21	5.25	2001/02	1 infertile egg
male	Wild-hatched	2.43	6.59	2001/02	2 chicks
male	Wild-hatched	0.74	3	2006/07	1 chick + 1 embryonic death
male	Wild-hatched	1.93	2.94	2006/07	1 broken egg
female	Wild-hatched	2.25	2.8	2006/07	Found gravid
female	Wild-hatched	1.3	not yet	2008/09	2.38
female	Wild-hatched	Not yet	not yet	2008/09	2.45
male	Wild-hatched	0.69	1.93	2008/09	1 viable egg

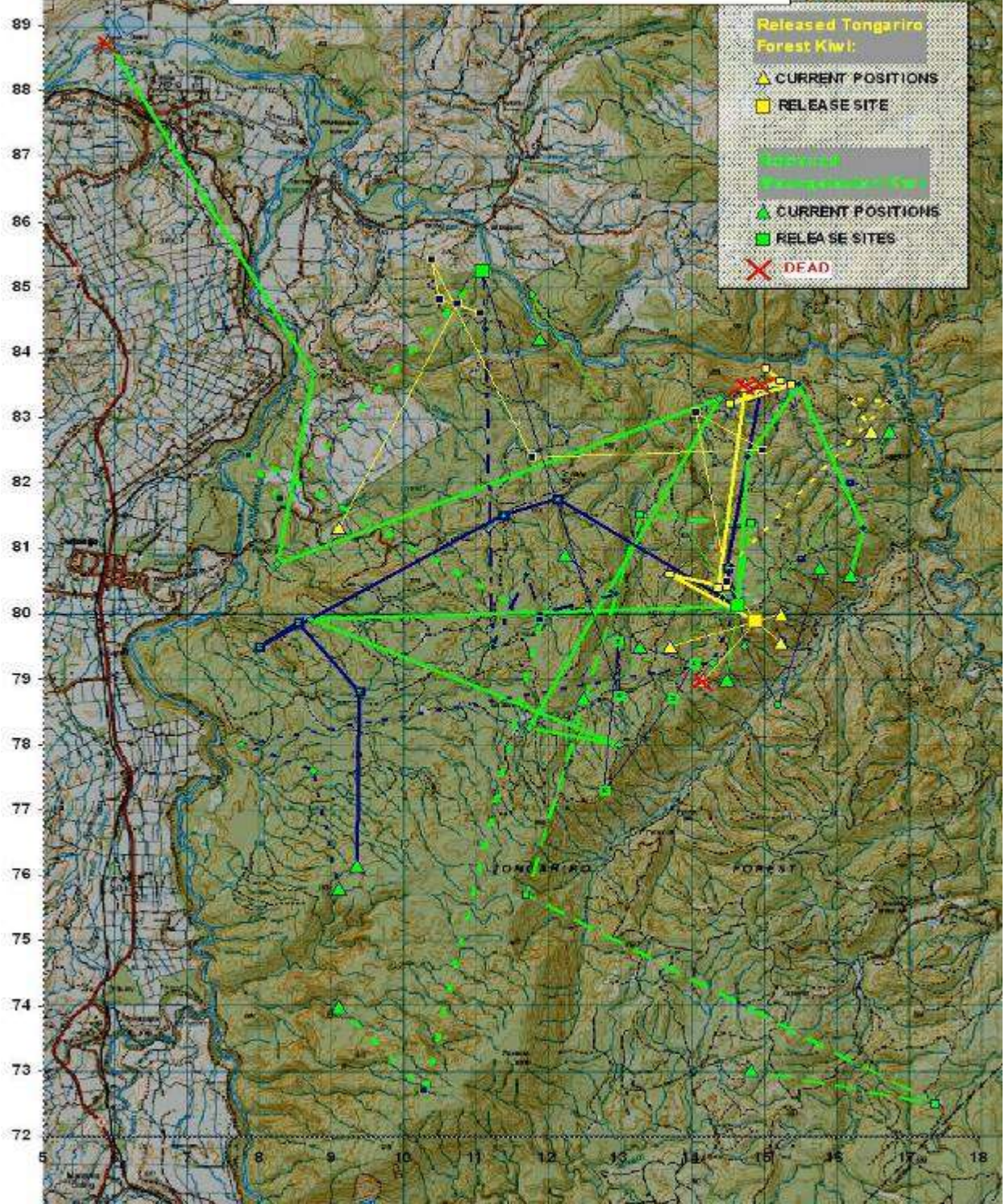
Where exact date is not known, midpoint between when the bird was not settled/not breeding and the date on which the bird was found settled/breeding, was used, if visits were 15 or fewer days apart. Where the interval exceeds 15 days, the date after 40% of interval between visits has elapsed was used.

*Not continuously monitored

APPENDIX 3: MAPS SHOWING SUB ADULT KIWI LOCATIONS IN TONGARIRO FOREST KIWI SANCTUARY



2010/2011 RELEASED SUB-ADULT KIWI IN TONGARIRO FOREST



APPENDIX 4: DETAILS OF TONGARIRO FOREST KIWI SANCTUARY CHICK DEATHS 2010-2011

Egg I.D.	Outcome	Last recorded weight (g)	Age (Days)	Date of Outcome
<i>Dn1</i>	Predation (predator unconfirmed)	280	16	<i>25-Sep-10</i>
<i>Lg14</i>	Predation (predator unconfirmed)	272	28	<i>14-Oct-10</i>
<i>Tew6</i>	Predation (predator unconfirmed)	320	20	<i>25-Oct-10</i>
<i>Lg15</i>	Predation (predator unconfirmed)	330	34	<i>30-Oct-10</i>
<i>Ma18</i>	Predation (predator unconfirmed)	290	25	<i>19-Nov-10</i>
<i>Ma19</i>	Predation (predator unconfirmed)	265	34	<i>30-Nov-10</i>
<i>Mx24</i>	Mustelid predation	300	48	<i>12-Dec-10</i>
<i>D50</i>	Predation (predator unconfirmed)	345	32	<i>15-Dec-10</i>
<i>L32</i>	Mustelid predation	290	29	<i>21-Dec-10</i>
<i>Tai8</i>	Predation (predator unconfirmed)	520	101	<i>18-Jan-11</i>
<i>Kra1</i>	Mustelid predation	342	35	<i>21-Jan-11</i>
<i>Ro12</i>	Ferret predation	362	22	<i>21-Jan-11</i>
<i>Lg16</i>	Predation (predator unconfirmed)	290	24	<i>22-Jan-11</i>
<i>Lg17</i>	Stoat predation	276	24	<i>04-Feb-11</i>
<i>Tai10</i>	Misadventure - possible drowning	330	62	<i>07-Mar-11</i>
<i>Fo2</i>	Cat or mustelid predation	530	117	<i>21-Mar-11</i>
<i>Fo3</i>	Predation (predator unconfirmed)	300	47	<i>24-Apr-11</i>

APPENDIX 5: FIVE MINUTE BIRD COUNT DATA 2002-2011

