

**2013 Spruce Grouse Project Progress Report for Activities in the Scientific Forest Management Area of
Baxter State Park**

Submitted by:

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After receiving permission to begin fieldwork in the Scientific Forest Management Area (SFMA) we worked closely with Richard Morrill to identify potential survey sites. On 24 May we met with Mr. Morrill in the field to visit and select sites. Due to our restricted survey timelines and the size and accessibility of potential sites, only two sites were chosen: MUID 12045 and MUID 8042. Spruce grouse survey transects were established in both stands in late June, just prior to the beginning of the brood survey period. Both stands were surveyed during July 2013. MSW12 (MUID 8042), which is near Frost Pond, was surveyed twice (13 and 17 July) with no grouse detected. Grouse scat was observed in this stand. MSW 13 (MUID 12045), which is near the Lynx Road, was surveyed once (13 July) and both a female and male responded to our call. Additionally, a dust bath containing spruce grouse feathers was observed. The female was captured without incident and marked with a radio transmitter. The male bird could not be located after the female was released, so was not captured or leg-banded. We obtained radio locations on the female bird on 10 occasions prior to her being killed by an avian predator. That female was never observed with a brood.

Table 1. Locations of a female spruce grouse that was radio-equipped in the SFMA of Baxter State park during July 2013.

Date	Time (24h)	Northing	Easting	Comment
13-July	13:02	5108898	504379	Capture Location
13-July	13:02	5108891	504379	Male Observation Location
14-July	10:12	5108828	504400	Location 1
15-July	10:55	5108785	504499	Location 2
16-July	12:38	5108727	504609	Location 3
17-July	11:36	5108791	504498	Location 4
22-July	17:30	5108718	504768	Location 5
23-July	06:30	5108737	504620	Location 6
24-July	08:53	5108738	504625	Location 7
25-July	06:43	5108806	504459	Location 8
25-July	16:36	5108708	504746	Location 9
26-July	07:24	5108760	504532	Location 10
28-July	15:35	5108757	504504	Mortality Location

2013 Baxter Telemetry Locations

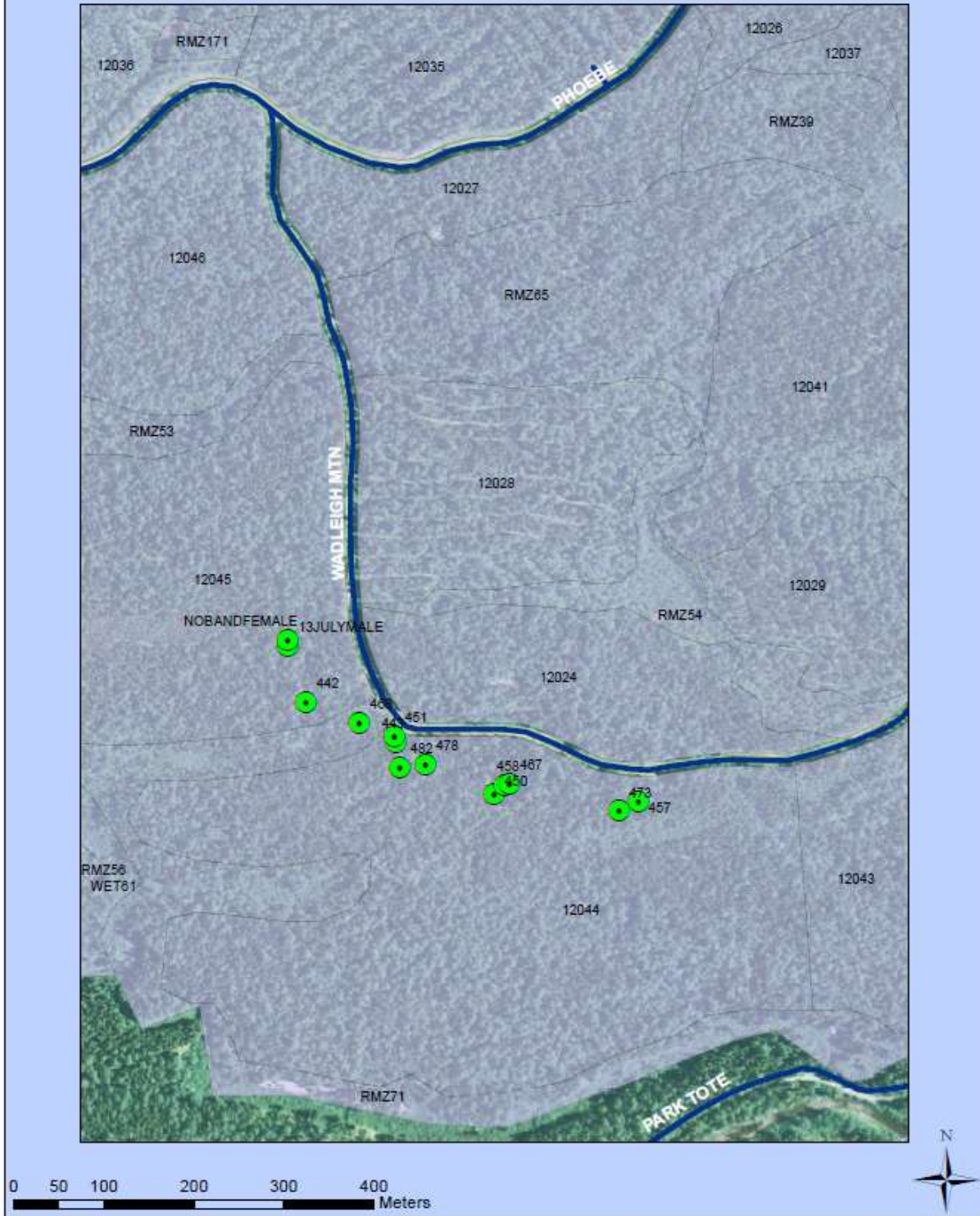


Figure 1. Locations of a female spruce grouse that was radio-equipped in the SFMA of Baxter State park during July 2013.