

## Wisconsin Red-shouldered Hawk Survey, 2010-12

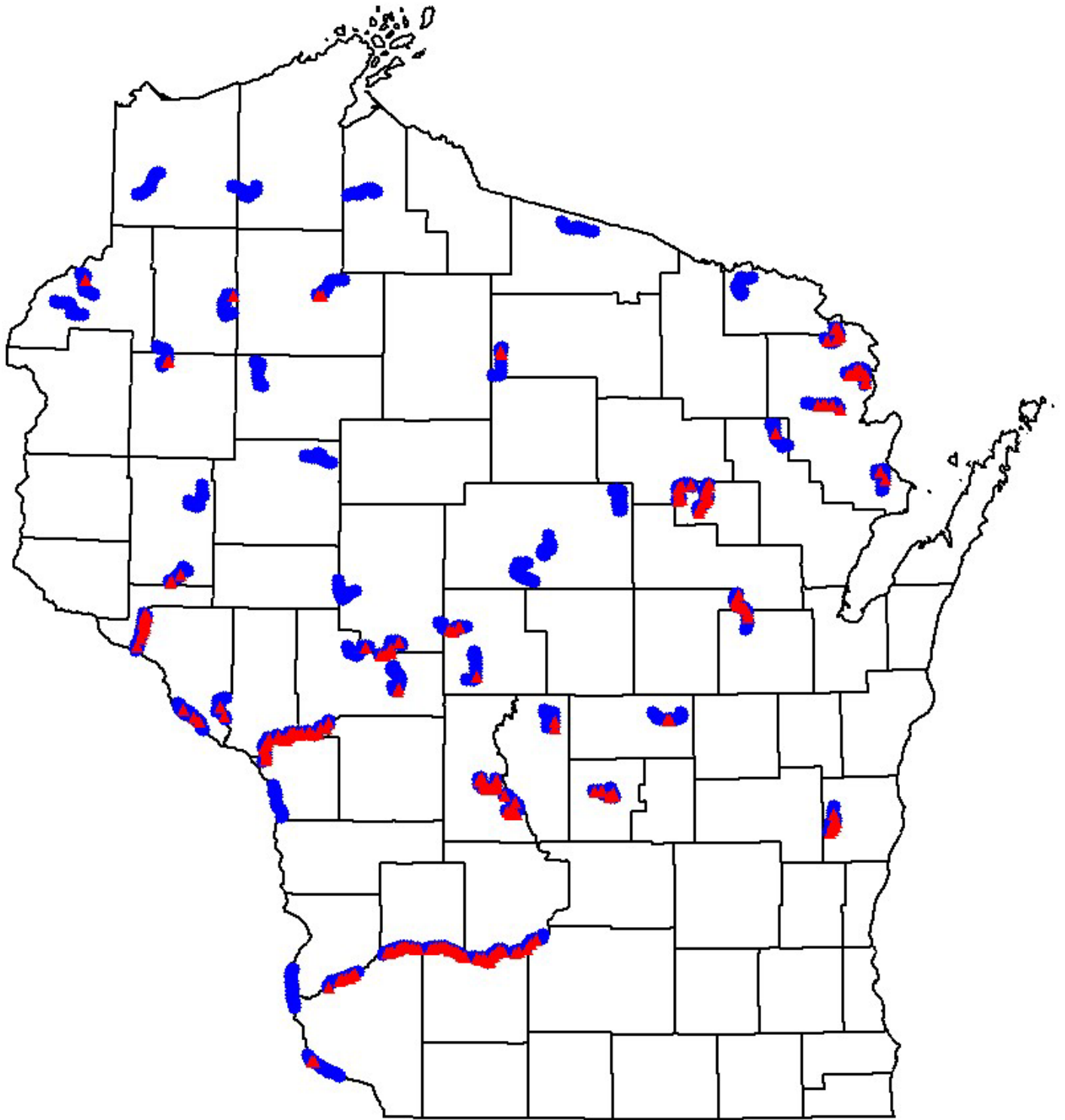
	2010	2011	2012
<b># primary observers</b>	40	38	44
<b># routes surveyed<sup>1</sup></b>	42	39	47
<b># RSHA detected<sup>2</sup></b>	110	145	141
<b>Mean RSHA per route (raw)</b>	2.62	3.72	3.00
<b># routes with 1+ RSHA</b>	23 (55%)	25 (64%)	25 (53%)
<b>Mean RSHA per route w/ RSHA</b>	4.78	5.80	5.64
<b>Max # RSHA/route</b>	17	10	9
<b>Detection probability estimate (95% confidence interval)</b>	0.46 (0.30-0.63)	0.78 (0.67-0.87)	0.49 (0.35-0.63)
<b>Mean abundance estimate (model adjusted; 95% CI)</b>	3.02 (2.06 - 4.44)	2.63 (2.12 - 3.28)	3.11 (2.45 - 4.30)

<sup>1</sup>*approx 90% of routes were surveyed 2x within a year*

<sup>2</sup>*may include repeats, i.e. same birds detected on both replicates*

(Map on next page)

# Red-shouldered Hawk Observations (2010-2012)



Routes - blue  
RSHA Observations - red