

Radio Tagging Study (2013)



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- 93 Alewife were radio tagged
- 3 release locations:
 - 1) Base of Wadleigh Falls Dam (Tuttle Rd)
 - 2) Base of Wadleigh Falls Dam (Rte 152)
 - 3) Brady Farm (~0.9 miles downriver)
- Objective: To determine if Wadleigh Falls was upper extent of access (13.3 mi)
 - 31% of surface area (68ha/217ha)



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- 6 Antenna Locations



Rte 152 Side



Tuttle Rd Side



Results

- 86 of the 93 alewife were detected (92%)
- 20 fish exhibited “fallback”
- Average time at Wadleigh Falls = 3 d 19 h
- Average time in river = 15 d 23 h
- 95% of the tagged fish released at Brady Farm selected the Rte 152 side (21 of 22)
- They exhibited ‘exploratory behavior’ but almost entirely from Tuttle Rd side to Rte 152
- No tagged fish were able to pass Wadleigh Falls



Questions?

