

CAPS 2012 Exotic Wood Boring Beetle Survey

A survey for exotic woodboring and bark beetles was conducted in two phases, in each of which two traps were deployed at each of eight sites for a total of 16 traps in each phase. Phase 1 (Spring Phase: May & June) focused on bark beetles which are more common in the early part of the trapping season. One funnel trap at each survey site was baited with an exotic bark beetle lure combination, with the primary target being *Ips typographis* (European Spruce Bark Beetle), and a second funnel trap was baited with alpha pinene and ethyl alcohol (EtOH) lures, with the primary target being *Hylurgus ligniperda* (Red-haired Pine Bark Beetle).

Phase 2 (Summer Phase: July & August) focused on longhorn beetles, which are more common in the summer, the latter part of the trapping season. A panel trap baited with spruce blend lure, fuscomol, and EtOH lure, was deployed at each site, with the primary target being *Tetropium fuscum* (Brown Spruce Longhorn Beetle). A funnel trap baited with ultra-high release α -pinene, was also hung at each site, with primary target being *Monochamus alternatus* (Japanese Pine Sawyer).

Genera of bark beetles collected include *Trypodendron*, *Cryphalus*, *Crypturgus*, *Dendroctonus*, *Dryocoetes*, *Gnathotrichus*, *Hylastes*, *Ips*, *Monarthrum*, *Orthotomicus*, *Pityokteines*, *Polygraphus*, *Tomicus*, *Xyleborinus*, and *Xyleborus*.

Genera of longhorn beetles include *Acmaeops*, *Asemum*, *Clytus*, *Evodinus*, *Judolia*, *Microclytus*, *Microgoes*, *Pygoleptura*, *Rhagium*, *Stictoleptura*, *Tetropium*, *Xylotrechus*.

1. Survey methodology (trapping protocol):

	Common Name	Scientific Name
Pest:	European Spruce Bark Beetle	<i>Ips typographus</i>
	Red-haired Pine Bark Beetle	<i>Hylurgus ligniperda</i>
	Brown Spruce Longhorn Beetle	<i>Tetropium fuscum</i>
	Japanese Pine Sawyer	<i>Monochamus alternatus</i>

	Proposed	Actual
Sites (Locations):	16	16
Traps:	32	32

Number of Counties:	1
Counties:	Coös

2. Survey dates:

	Proposed	Actual
Survey Dates:	May 1st to August 25th, 2012	May 1st to August 28th, 2012

3. Benefits and results of survey:

	Positive	Negative	Total Number
Traps	0	32	32

4. Database submissions:

REPORT FOR WEEK ENDING 02/17/2013

A record may reflect multiple observations. Summarized by State and Pest.

<u>STATE</u>	<u>PEST</u>	<u>SCIENTIFIC NAME</u>	<u>POS</u>	<u>NEG</u>	<u>TOT</u>
NH	Brown Spruce Longhorned Beetle	Tetropium fuscum	0	8	8
	European Spruce Bark Beetle	Ips typographus Monochamus	0	8	8
	Japanese Pine Sawyer Beetle	alternatus	0	8	8
	Redhaired Pine Bark Beetle	Hylurgus ligniperda	0	8	8
TOTAL RECORDS ENTERED:			0	32	32