

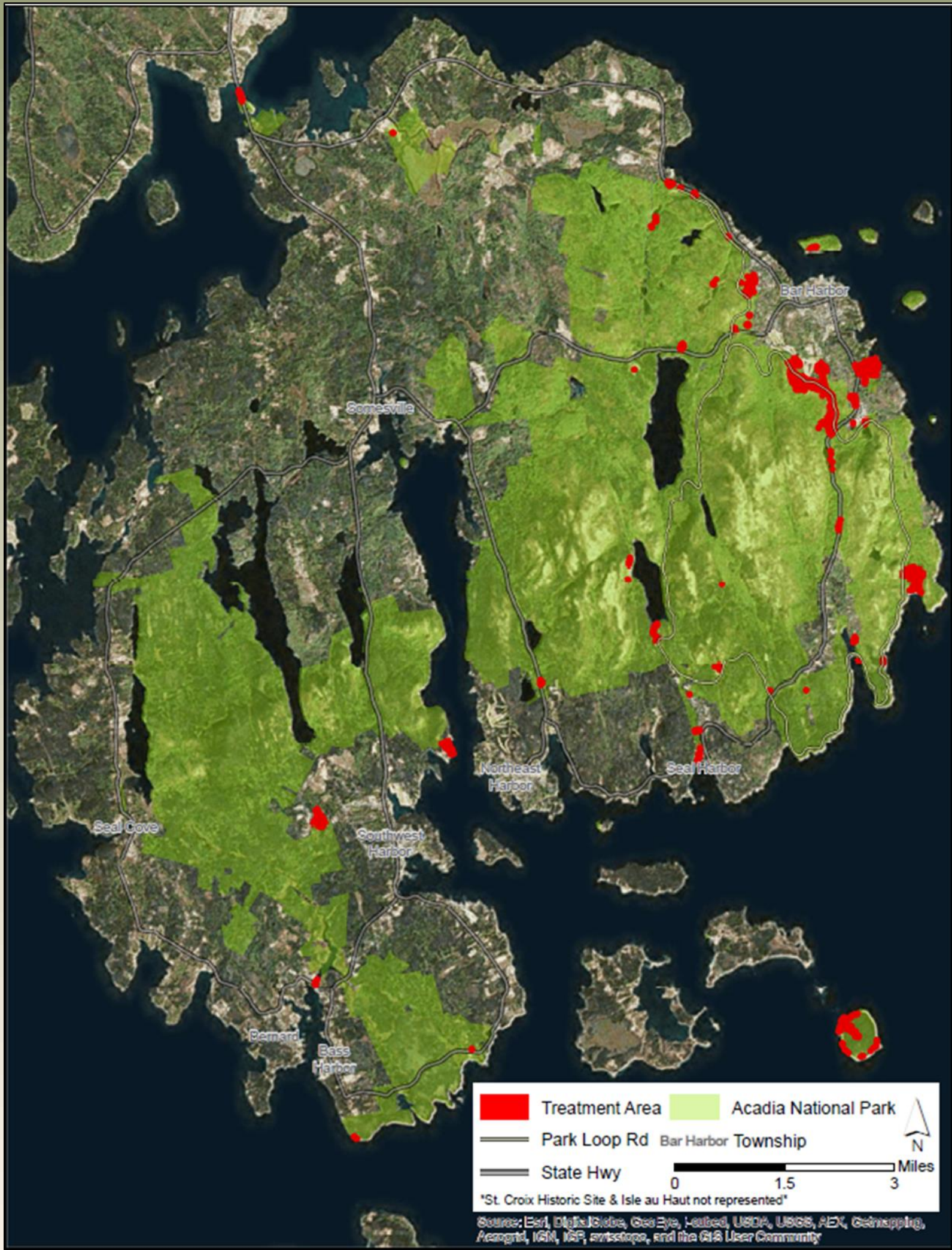
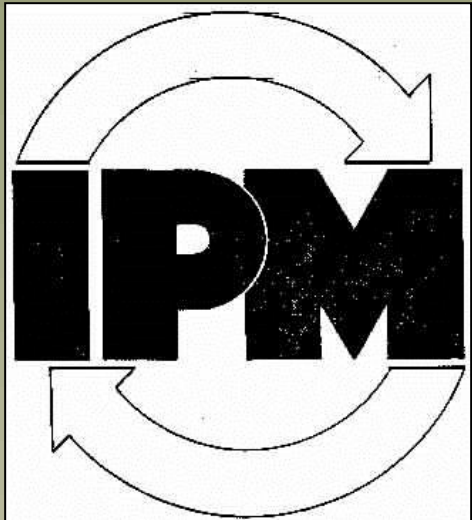
Six Years of Intensive Exotic Plant Management In Acadia National Park

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National Park Service
U.S. Department of the Interior



With support from Canon & Friends of Acadia, Acadia's Exotic Plant Management Team (EPMT) has been intensively managing up to 30 high-priority exotic invasive plant species for six years. Management is based on Integrated Pest Management (IPM) action plans developed for each species.



Detect



- Detection is the first step in managing populations. We set acceptable threshold levels for each species; once thresholds are surpassed, action is taken. Because of their highly invasive nature, thresholds for treatment may be one plant.

Suppress



- Following detection, we begin suppression. We reduce populations below predetermined treatment thresholds, using an integrated approach based on the biology of each species.

During the 2015 field season, Acadia's EPMT surveyed and detected, suppressed, re-treated, and monitored infestations of 30 exotic invasive species covering 493.7 acres from May through September.

Monitor



Maintain



- Severe Infestations may require multiple treatments to eliminate seed banks and regeneration. Sites are re-visited and re-treated as necessary.

- Once exotic invasive plant populations are reduced to acceptable levels, we evaluate treatment efficacy and the need for follow up management. Treatment results are evaluated and used to guide future actions. Sites are monitored on a cyclic schedule. Re-treatments, if necessary, take only a small investment of time and effort, unlike the initial suppression phase, that can take years.
- Removing sites from active management creates time for the early Detection of new infestations through scouting. And the cycle begins again.

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