

Appendix J: List of BMPs

Chapter 3: Management Planning

BMP 3.1: Include a strategy for managing invasive species.

BMP 3.2: Prior to implementing management activities, scout for and locate invasive species infestations, consistent with the scale and intensity of operations.

BMP 3.3: Consider the need for action based on: 1) the degree of invasiveness; 2) severity of the current infestation; 3) amount of additional habitat or hosts at risk for invasion; 4) potential impacts; and, 5) feasibility of control with available methods and resources.

BMP 3.4: Plan management activities to limit the potential for the introduction and spread of invasive species.

BMP 3.5: Plan for post-activity management of highly damaging invasive species.

Chapter 4: Forest Stewardship

BMP 4.1: Provide training in identification of locally known invasive plants and pests to forest workers.

BMP 4.2: If pre- or post-activity control treatments are planned, ensure that they are applied within the appropriate time window.

BMP 4.3: Consider the likely response of invasive species or target species when prescribing activities that result in soil disturbance or increased sunlight.

BMP 4.4: Prior to moving equipment onto and off of an activity area, scrape or brush soil and debris from exterior surfaces, to the extent practical, to minimize the risk of transporting propagules.

BMP 4.5: Take steps to minimize the movement of invasive plants, insects, and diseases to non-infested areas, during forest stewardship activities.

BMP 4.6: Take reasonable steps to avoid traveling through or working in small, isolated, populations of invasives during forest stewardship activities.

Chapter 5: Forest Access

BMP 5.1: To the extent practical, use existing roads, skid trails, and landings to reduce disturbance.

BMP 5.2: Avoid constructing new roads, skid trails, and landings in areas infested with invasive species where possible.

BMP 5.3: Avoid spreading seeds and other propagules from infested to non-infested areas during road maintenance, reconstruction, new construction, and closure.

BMP 5.4: Where site conditions permit, allow natural revegetation of the roads, skid trails, and landings to occur. If seeding or planting is necessary to minimize the threat of highly damaging invasive species from spreading, use native seed or non-invasive cover crops for revegetation.

BMP 5.5: Ensure, to the extent practical, that fill and gravel are free of invasive species and their propagules.

Chapter 6: Reforestation and Revegetation

BMP 6.1: Limit the introduction and spread of invasives during reforestation or revegetation site preparation activities.

BMP 6.2: Revegetate or reforest as quickly as feasible after site disturbance. (See also BMP 5.4)

BMP 6.3: When consistent with site conditions and goals, allow natural revegetation of the ground layer to occur. If seeding or planting is necessary to minimize the threat of highly damaging invasive species from spreading, use native seed or non-invasive cover crops for revegetation. (See also BMP 5.4)

BMP 6.4: Select plant materials that are site appropriate to favor establishment and vigor.

BMP 6.5: Plan for post-planting management of invasive species (See also BMP 3.5).

Chapter 7: Wildlife Habitat Management

BMP 7.1: Provide training in identification of locally known invasive plants and pests to land managers whose objective is wildlife management.

BMP 7.2: Select non-invasive species for seed mixes and plant materials used in wildlife habitat projects. (See also *Chapter 6: Reforestation and Revegetation*.)

BMP 7.3: If invasive tree or brush removal is planned, ensure that it is applied within the appropriate time window such that introduction and spread of invasive species is limited.

BMP 7.4: If desirable (i.e. native or non-invasive) tree or brush removal is planned as part of habitat enhancement, ensure that it is applied within the appropriate time window such that introduction and spread of invasive species is limited.

BMP 7.5: Prior to moving equipment onto and off of a management unit, scrape or brush soil and debris from exterior surfaces, to the extent practical, to minimize the risk of transporting propagules.

BMP 7.6: Take steps to minimize the movement of invasive plants, insects, and diseases to non-infested areas during habitat maintenance activities.

BMP 7.7: Consider the likely response of invasive species or target species when prescribing activities that result in soil disturbance or increased sunlight.

Chapter 8: Fire Management

Pre-fire, Pre-incident Training:

BMP 8.1: Incorporate invasive species awareness, identification, and prevention education into fire training (e.g. fire effects and prescribed fire training).

Prescribed Fire:

BMP 8.2: Avoid placing fire breaks in infestations of invasive species.

BMP 8.3: Incorporate invasive species considerations into the planning of prescribed burns. (See also *Chapter 3: Management Planning*).

BMP 8.4: Avoid spreading invasive seeds and other propagules from infested to non-infested areas during prescribed fire activities.

BMP 8.5: Following a prescribed burn, rehabilitate soil disturbance related to burn activities, especially bladed or plowed firelines, where invasive species establishment is likely.

Wildfire Suppression:

BMP 8.6: When possible, avoid infestations when constructing fire breaks.

BMP 8.7: Avoid spreading invasive seeds and other propagules from infested to non-infested areas during fire fighting activities.

BMP 8.8: Following a wildfire, rehabilitate soil disturbance related to suppression activities, especially bladed or plowed firelines, where invasive species establishment is likely.

Chapter 9: Transport of Woody Material

BMP 9.1: Prior to trucking, implement mitigation strategies to reduce the risk of transporting highly damaging invasive insect and disease species when present, to the extent practical.