

**OBJECTIVE 1: By 2020, Improve signage and manage vegetation to improve public safety and enjoyment of the park.** (objective seeks to alleviate threats to Public Use)

- ❖ STRATEGIC ACTION: By 2010, minimize adverse impacts of management activities upon Public Use.
  - action step: Maintain a permanent 'notice' board at trail head to inform park users of area closures.
  - action step: utilize trailside temporary signage ("sandwich board or equivalent) to inform trail users of nearby hazards associated with land management practices.
  - action step: limit the installation of permanent signage along trails.
  - action step: limit the use of flagging tape and the period it is posted in the field.
- ❖ STRATEGIC ACTION: By 2011, manage vegetation within designated parking areas to enhance visibility and deter crime.
- ❖ STRATEGIC ACTION: By 2012, collaborate with ODF to identify and establish a system of "fire safe zones" within the park and incorporate fire evacuation information within signage posted at the trailhead.
- ❖ STRATEGIC ACTION: By 2014, all hazard trees have been removed within 30' of the edge of designated trail corridors.
- ❖ STRATEGIC ACTION: By 2020, Populations of poison oak are controlled along all designated recreational trail corridors.
  - action step: Inventory patches of poison oak growing within 5' of the edge of all recreational trails.
  - action step: Remove poison oak growing within 5' of recreational trail edge.
  - action step: Maintain trail edges with annual mowing.

**OBJECTIVE 2: By 2014 >50% of park patrons understand and appreciate the unique qualities that make the HBRA and the broader Mt. Pisgah area a priority for conservation.** (objective seeks to enhance viability of Public Use with consideration of this key attribute and alleviate impacts from recreation upon conservation targets)

- ❖ STRATEGIC ACTION: By 2010, Collaborate with Friends of Buford Park, Mt Pisgah Arboretum, and other stakeholders to educate park patrons about concern regarding off trail activity and cultivate trail ethic.
  - action step: Develop signage and associated educational materials and post at trailhead.
  - action step: Maintain and update trail map to clearly indicate segments of closed trail.
- ❖ STRATEGIC ACTION: By 2014, partner with Friends of Buford Park, Lane County tourism board, Mt. Pisgah Arboretum, the University of Oregon, and watershed councils to develop an interpretation program including media outreach, guided tours, self guided tours (using digital media), and informational displays. The program should enhance appreciation for Mt. Pisgah's natural capital, elevate understanding of conservation issues, and cultivate a "leave no trace ethic".

**OBJECTIVE 3: By 2020, improve designated trails and associated trail management program to support compatible recreation within the HBRA for all park patrons.** (objective seeks to alleviate impacts of recreation upon conservation targets)

- ❖ STRATEGIC ACTION: By 2010, Conservation objectives help guide and influence levels of public use.
- ❖ STRATEGIC ACTION: By 2010, amend park rules to encourage or require all park users, including equestrians and dogs, to stay on trail.
  - action step: consult with Parks Advisory Committee for guidance and policy direction.
- ❖ STRATEGIC ACTION: By 2012, collaborate with Friends of Buford Park and Mt. Pisgah Arboretum among other partners to initiate a volunteer program to manage vegetation to preserve and enhance viewpoints.
- ❖ STRATEGIC ACTION: By 2012, collaborate with Friends of Buford Park, Mt. Pisgah Arboretum, Northwest Youth Corps, and Oregon Equestrian Trails to develop an updated trail management plan with input from diverse group of stakeholders. Plan should include Best Operating Practices and trail standards to guide development of all season trail system. Trail standards should seek to minimize the impact of trail infrastructure upon adjacent landscape. Plan should consider actions to address management of high use areas including assorted viewpoints and focal points such as the summit and the swing hill. Furthermore, it will address seasonal closure of trail segments that traverse sensitive regions of the park (with regards to habitat usage, ie nesting seasons, hydrology, soils, slope, etc).
  - action step: inventory condition of all trails.

## Habitat Management Planning for Mt. Pisgah and the Howard Buford Recreation Area

- action step: evaluate trail proximity and minimum patch size of target habitats to identify areas where trails are undermining viability of conservation targets.
- action step: construct seed removal stations at each trail head including capacity to accommodate equestrians (horse trailers, horses, etc).
- ❖ STRATEGIC ACTION: By 2012, initiate a forage production program to produce “Pisgah” hay with consultation from area ranchers and equestrian groups.
  - note: Distribute forage with preference for those individuals who bring animals into the HBRA.

### **OBJECTIVE 4: By 2014, All activities and practices associated with management of natural areas, recreational facilities (including but not limited to trails and parking areas), and utility corridors follow best management practices identified within the “Stewardship Tool Box” of the Habitat Management Plan.**

(objective seeks to alleviate impacts from management)

- ❖ STRATEGIC ACTION: By 2010, Conservation objectives help guide and influence land management practices.
- ❖ STRATEGIC ACTION: By 2011, partner with confluence area land management agencies to develop an equipment cleaning facility.
- ❖ STRATEGIC ACTION: By 2014, collaborate with agency partners to secure designated equipment for use specifically within natural areas in the Mt. Pisgah area.

### **OBJECTIVE 5: By 2020, >50% of all prairie and savanna, oak woodland, and wet prairie is under the threshold for woody cover and by 2030, >75%. (objective seeks to enhance viability of prairie and savanna, oak woodland, and wet prairie and abate the threat of encroachment of native woody vegetation with consideration of this key ecological attribute)**

- ❖ STRATEGIC ACTION: By 2010, Collaborate with Bonneville Power Administration, Friends of Buford Park, Oregon Department of Forestry, amongst other partners to initiate a program to remove native woody vegetation.
  - action step: Prioritize removal of Douglas fir and other native trees (including but not limited to big leaf maple, incense cedar, Oregon ash, and Oregon white oak) within patches of target habitat where existing infrastructure facilitates access to expedite project implementation consistent with best management practices delineated within the Stewardship Tool Box section of the habitat management plan.
  - action step: Identify areas where legacy trees (per definition) are under immediate threat and prioritize action to abate threat.

### **OBJECTIVE 6: By 2020, restore fire regime to achieve a fire return interval of 3-13 years over at least 1500 acres spanning prairie and savanna, oak woodland, and wet prairie. (objective seeks to enhance viability of prairie and savanna, oak woodland, and wet prairie and abate the threat of an altered ecological fire regime within the HBRA with consideration of this key ecological attribute)**

- ❖ STRATEGIC ACTION: collaborate with Oregon Department of Forestry East Lane District and other fire management agencies to implement annual prescribed burns.
- ❖ STRATEGIC ACTION: By 2011, collaborate with Oregon Department of Forestry East Lane District to revise fire suppression plan.
- ❖ STRATEGIC ACTION: By 2014, manage fuels along the edge of patches of target habitat to reduce potential for fire escape and catastrophic fire conditions.

### **OBJECTIVE 7: By 2020, 10 or more 10+ acre patches of prairie, savanna, oak woodland, and wet prairie have 5 or more high fidelity native herbaceous species with 75% frequency and 10 or more additional native herbaceous species occurring with at least 25% frequency. (objective seeks to enhance viability of prairie, savanna, and wet prairie with consideration of this key ecological attribute)**

- ❖ STRATEGIC ACTION: enhance low quality patches of existing habitat
- ❖ STRATEGIC ACTION: By 2010 expand Friends of Buford Park nursery program capacity to support projected need of native plant materials (seeds and plants) to re-vegetate areas following completion of enhancement activities.

**OBJECTIVE 8: By 2020, more than 75% of potential acres of wet prairie are in patches of 10 acres or more.**

(objective seeks to enhance viability of Bradshaw's lomatium and wet prairie with consideration of this key ecological attribute)

- ❖ STRATEGIC ACTION: restore areas of wet prairie that have been filled, drained, adversely affected by adjacent land management (such as modification of upslope/upsstream hydrology in conjunction with trail infrastructure) or otherwise modified.
- ❖ STRATEGIC ACTION: identify intact wet prairie on adjacent properties and seek opportunities to collaborate with neighboring landowners to manage wetland prairie.

**OBJECTIVE 9: By 2025, restore fire regime to achieve a fire return interval of 50-75 years over at least 40**

**acres.** (objective seeks to enhance viability of buckbrush chaparral with consideration of this key ecological attribute)

- ❖ STRATEGIC ACTION: By 2010 expand Friends of Buford Park nursery program capacity to support projected need of native plant materials (seeds and plants) to re-vegetate areas following completion of prescribed burns.
- ❖ STRATEGIC ACTION: collaborate with Oregon Department of Forestry East Lane District and other fire management agencies to implement prescribed burns within at least 4 distinct units. Units should be at least 5 acres and no larger than 13 acres in size. The size and form of unit will be determined with consideration of slope, aspect, and proximity to established control features such as Buckbrush creek, trail 3, trail 5, or trail 6.

**OBJECTIVE 10: For all habitat modifying non-native aquatic and terrestrial species found within patches of each conservation target, by 2012 all problem species have been identified and areas of occupation delineated, by 2020 all populations are reduced to less than 5% of 2012 levels.** (objective seeks to abate the threat of invasion of non native terrestrial animals)

- ❖ STRATEGIC ACTION: Initiate an Early Detection Rapid Response program in partnership with LCARA, ODA, and ODFW to report observations of problem species within the Mt. Pisgah area.
- ❖ STRATEGIC ACTION: Collaborate with LCARA, Feral Cat Coalition, Oregon Humane Society, and related groups to initiate education campaign to discourage people from releasing domestic animals into natural areas.
- ❖ STRATEGIC ACTION: Trap and remove problem species from the HBRA.
- ❖ STRATEGIC ACTION: Collaborate with neighboring landowners (public and private), stakeholders, and watershed councils to control problem species on adjoining lands and in the broader confluence/Mt. Pisgah area.

**OBJECTIVE 11: For all habitat modifying non-native plant species found within patches of each conservation target, by 2012 all secondary invaders are controlled along vectors of distribution, by 2015 all outlier populations are being treated and main populations are being contained, By 2020 the main populations have been managed.** (objective seeks to abate threat of invasion of non native vegetation (herbaceous and woody plants))

- A complete list and profile of "habitat modifying non-native plant species" will be included within the habitat management plan.
- "habitat modifying non-native plant species" were identified through screening all non-native species known to occur within the HBRA with standardized assessment tool created by NPS and USGS.
- ❖ STRATEGIC ACTION: By 2010 initiate an Early Detection Rapid Response program in collaboration with WEEDIN
- ❖ STRATEGIC ACTION: By 2010 expand Friends of Buford Park nursery program capacity to support projected need of native plant materials (seeds and plants) to re-vegetate areas following completion of control activities.
- ❖ STRATEGIC ACTION: By 2012 remove all "secondary invaders" (ie. nipplewort, wall lettuce...) from edges of roads, recreational trails, and wildlife trails.
- ❖ STRATEGIC ACTION: By 2012 partner with Friends of Buford Park, Mt. Pisgah Arboretum amongst other partners to establish a stewardship endowment to support on-going annual invasive species control activities.
- ❖ STRATEGIC ACTION: By 2020 populations of false brome, Maltese starthistle, spotted knapweed, cotoneaster, English ivy, knotweed, amongst other species have been controlled to less than 5% of 2009 area of occupation.

- ❖ STRATEGIC ACTION: control populations of shining geranium, Reed canary grass, tansy ragwort amongst other species growing within vicinity of rare, sensitive, and listed plants and animals.
  - NOTE: Action steps will identify areas of control and denote priorities.
- ❖ STRATEGIC ACTION: By 2015 remove individual trees and patches of English hawthorn, common pear, Myrobalan plum, sweet cherry...
  - NOTE: Action steps will identify areas of control and denote priorities.
- ❖ STRATEGIC ACTION: By 2020 remove patches of Armenian blackberry and Scot's broom.
  - NOTE: Action steps will identify areas of control and denote priorities.
- ❖ STRATEGIC ACTION: Collaborate with neighboring landowners (public and private), stakeholders, and watershed councils to control invasive species on adjoining lands and in the broader confluence/Mt. Pisgah area.

**OBJECTIVE 12: >75% of 1 mile stream segments from confluence with either Coast Fork or Middle Fork of Willamette River (correlates with watershed) are free of aquatic passage barriers by 2020.** (objective seeks to enhance viability for creeks and streams with consideration of this key ecological attribute)

- ❖ STRATEGIC ACTION: Initiate a volunteer assessment program in cooperation with Friends of Buford Park, Oregon Department of Fish and Wildlife, CF and MF watershed councils to identify and remove aquatic passage barriers.
- ❖ STRATEGIC ACTION: Partner with regulatory agencies including LC Land Management, watershed councils, and neighboring landowners to prevent creation of future aquatic passage barriers.

**OBJECTIVE 13: By 2020, 50% of stream miles rated poor in 2009 are in good condition for macro-invertebrates.** (objective seeks to enhance viability for creeks and streams with consideration of this key ecological attribute)

- ❖ STRATEGIC ACTION: restore stream reaches that have been straightened, channelized, or dewatered.
- ❖ STRATEGIC ACTION: Modify grazing practices by lessee near streams on HBRA.
- ❖ STRATEGIC ACTION: By 2010 expand Friends of Buford Park nursery program capacity to support projected need of native plant materials (seeds and plants) to re-vegetate areas following completion of restoration activities.

**OBJECTIVE 14: By 2025, 75% of the historic floodplain is reconnected and functioning within the contemporary floodplain.** (objective seeks to enhance viability for Willamette Riparian system and its floodplain with consideration of this key ecological attribute)

- ❖ STRATEGIC ACTION: By 2010 expand Friends of Buford Park nursery program capacity to support projected need of native plant materials (seeds and plants) to re-vegetate areas following completion of restoration activities.
- ❖ STRATEGIC ACTION: remove plugs and constructed barriers that obstruct connectivity with the river for flows equal to or greater than bank full events.
- ❖ STRATEGIC ACTION: restore historic alcoves, side channels, back water sloughs and connect to the river.
- ❖ STRATEGIC ACTION: Collaborate with neighboring landowners (public and private), stakeholders, and watershed councils to restore historic alcoves, side channels, back water sloughs and connect to the river on adjoining lands and in the broader confluence/Mt. Pisgah area.