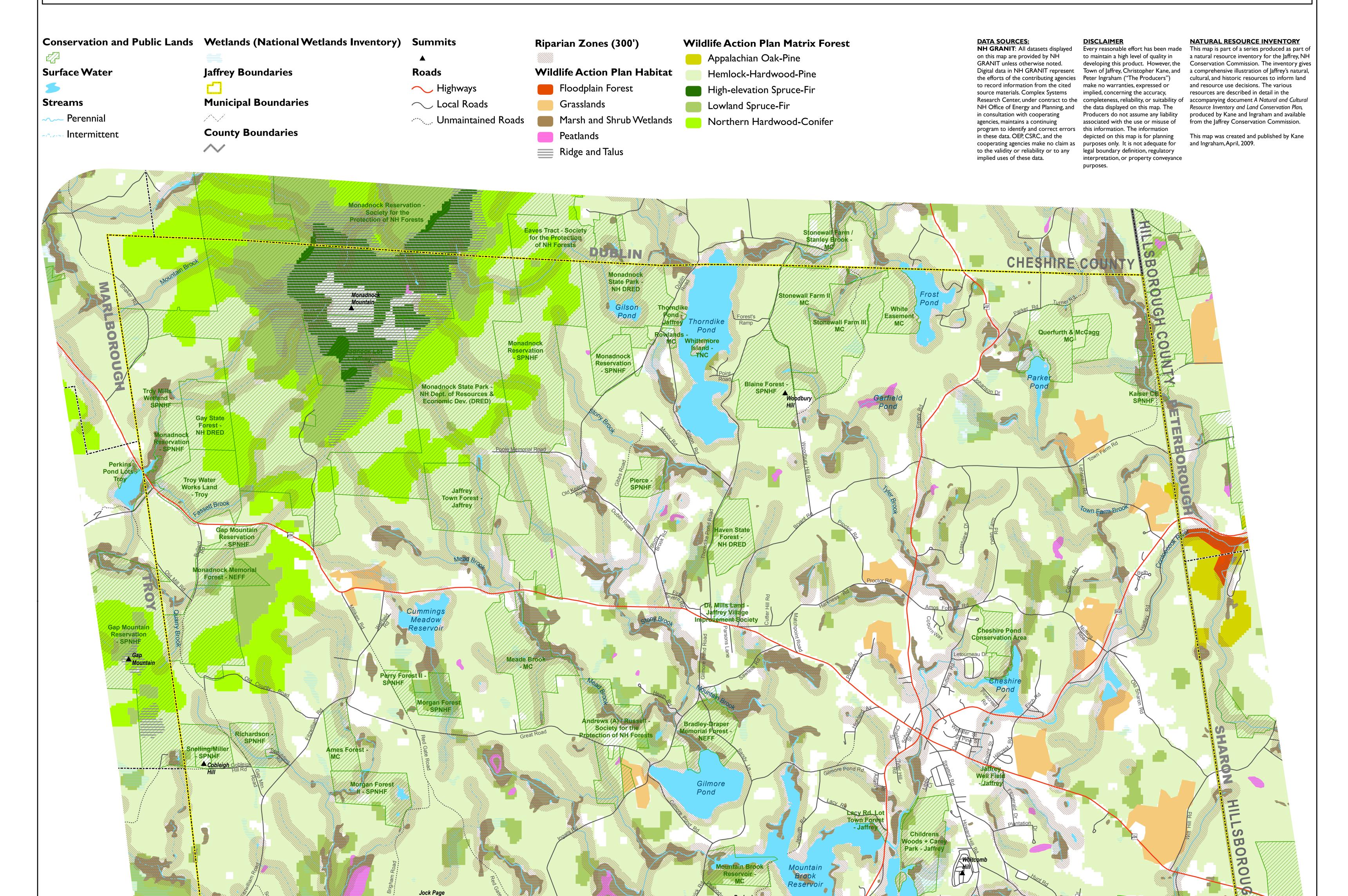
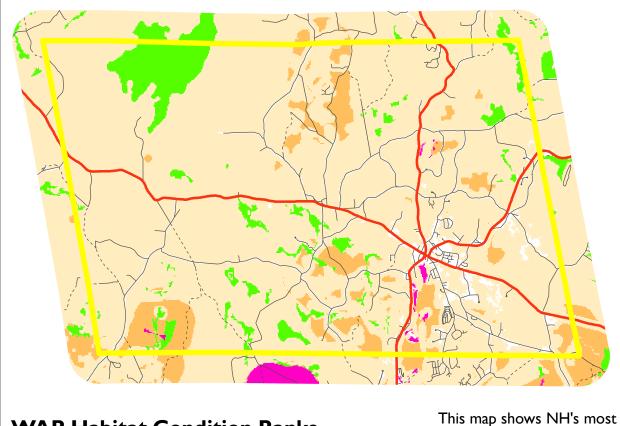
WILDLIFE AND ECOLOGY

Jaffrey, New Hampshire





WAP Habitat Condition Ranks

important habitat as evaluated by the NH Fish and Game Highest ranked habitat in NH Department. High-quality habitat in Jaffrey is found in its Highest ranked habitat in biological region many marsh and shrub wetlands as well as the high-Supporting landscapes elevation ridge and talus on Mount Monadnock. Habitat not top-ranked

WILDLIFE ACTION PLAN lark, grasshopper sparrow, vesper HABITAT MODELS sparrow, northern leopard frog, and Floodplain Forest Floodplain forests wood turtle. Marsh: These open wetlands are are found in river valleys adjacent to river channels and are prone to periodic flooding. They persist on a short (less than 3 meters) woody vegetation (i.e. shrubs) and include variety of soils but tend to be nutrient enriched due to frequent nutrient three broad habitat types: wet inputs during flooding. Species of meadows, emergent marshes, and concern in NH associated with this scrub-shrub wetlands. Species of habitat type include: jefferson concern in New Hampshire associated salamander, northern leopard frog, wood turtle, red shouldered hawk, black duck, American bittern, American cerulean warbler, eastern red bat, and woodcock, blanding's turtle, common silver-haired bat. moorhen, eastern red bat, great blue Grassland: Grasslands are defined here heron, least bittern, New England cottontail, northern harrier, osprey, as areas greater than 10 hectares (about 25 acres) that are dominated by pied-billed grebe, ringed boghaunter, grasses, forbs, and sedges with little shrub or tree cover (generally less bat, and spotted turtle. than 10%). Grasslands can include <u>Peatland</u>: Peaty wetlands form due to agricultural fields, airports, landfills, meadows, or heathlands. Species of concern in New Hampshire associated

FITZWILLIAM

Scott

Pond

limited or no groundwater input and thus have poor nutrient content and acidic water. Organic materials with this community include: northern decompose slowly resulting in the harrier, upland sandpiper, purple accumulation of peat. Species of marten, eastern meadowlark, horned concern in New Hampshire associated

Jock Page

Hill

<u>Ridge - Talus</u> : This habitat group dominated by herbaceous vegetation or includes two distinct types. Rocky ridge and summits summit outcrops are characterized by thin soils and dry, nutrient poor settings. Talus slopes are steep and rocky and range from open to barren to woodland. Species of concern in New Hampshire associated with this habitat type include: American with this habitat type include: Melissa arctic, timber rattlesnake, peregrine falcon, and bobcat. **RIPARIAN ZONES**

the Protection of NH

with this habitat type include: ringed

bog haunter, palm warbler, mink frog,

and northern bog lemming.

Riparian zones are mapped here as 300 foot stream buffers. These buffers rusty blackbird, sedge wren, silver haired (where they are undisturbed) provide protection to stream habitat by absorbing nutrients in runoff, providing shade (and thus reduced in-stream

temperature), and inputs of organic (especially woody) debris. A secondary benefit is as habitat and movement corridors for species dependent on streams.

WILDLIFE ACTION PLAN MATRIX FOREST MODEL This model estimates climax forest type, *i.e.* the forest type which would eventually occur given total recovery site factors (such as slope, aspect, elevation, latitude, or soil type). <u>Appalachian Oak - Pine</u> These low

forests are often considered a

this habitat type include: timber rattlesnake, northern goshawk, veery, elevation systems are found in southern cerulaean warbler, eastern pipistrelle, New Hampshire in association with eastern red bat, northern myotis, silverwarmer and drier conditions and often in haired bat, black bear, and bobcat. fire-influenced landscapes. Major canopy <u>High-elevation Spruce – Fir</u>: These species include the "southern" oaks such forests cover the exposed woodlands of NH's high summits and ridgelines and are as white and black oaks as well as red comprised primarily of balsam fir, red oak and white pine. Species of concern in NH associated with this habitat type include: Timber rattlesnake, eastern hognose snake, whip-poor will, veery, eastern pipistrelle, eastern red bat, northern myotis, silver-haired bat, bobcat, American marten, Canadian lynx, and and black bear northern bog lemming. <u>Hemlock – Hardwood – Pine</u> These

Peabody

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> spruce, and paper and heartleaf birch. Species of concern in NH associated with this habitat type include: spruce grouse, bay-breasted warbler, Bicknell's thrush, Lowland Spruce – Fir. These valley forests span an ecological gradient from swampy

transitional zone between northern black spruce bogs to well-drained red hardwood - conifer forests Appalachian spruce forests. Species of concern in oak - pine forests. Major canopy species NH associated with this habitat type may include hemlock, red oak, or red include: spruce grouse, Northern goshawk, three-toed woodpecker, baymaple. These forests are likely to succeed from human disturbance based on abiotic to hemlock and beech over the long term. breasted warbler, purple finch, rusty Species of concern in NH associated with blackbird, hoary bat, Canadian lynx, American marten, and northern bog lemming.

Carter Hill

RINDGE

Northern Hardwood – Conifer: These mid-elevation forests generally include an even mix of sugar maple, yellow birch, and beech. They can include and frequently mix with red spruce and balsam fir (especially at higher elevations). Species of concern in NH associated with this habitat type include: Ruffed grouse, American woodcock, wood thrush, veery, Canada warbler, cerulean warbler, eastern pipistrelle,

eastern red bat, hoary bat, northern longeared bat, silver-haired bat, and gray wolf.

1:18,000 (1 inch equals approximately 0.3 miles) 10,000 1,000 2,000 8,000 0 4.000 ⊐ Feet 0.5

Virginia Pond Trust - Jaffrey

CHESHIRE COUNTY

LIVE FREE OR DIE. HAMPSHIRE . This project was supported by funds from the sale of the Conservation License Plate (Moose Plate) under TAMPSHIL the NH State Conservation Committee grant program.

Contoocook Lake

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Annett State Forest -NH Dept. of Resources

& Economic Dev. (DRED)

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