

Appendix E

**Partial Wildlife Inventory
of
Carlisle, Massachusetts**

Appendix E: Partial Wildlife Inventory of Carlisle, Massachusetts

Birds

Loons

Common Loon

Grebes

Pied-billed Grebe

Cormorants

Double-crested Cormorant

Bitterns and Herons

American Bittern

Black-crowned Night Heron

Cattle Egret

Great Blue Heron

Great Egret

Green Heron

Snowy Egret

American Vultures

Turkey Vulture

Geese, Swans, and Ducks

American Black Duck

Blue-winged Teal

Brant

Bufflehead

Canada Goose

Common Goldeneye

Common Merganser

Greater White-fronted Goose

Green-winged Teal

Hooded Merganser

Mallard

Northern Pintail

Ring-necked Duck

Snow Goose

Wood Duck

Kites, Eagles, and Hawks

Bald Eagle

Broad-winged Hawk

Cooper's Hawk

Golden Eagle

Northern Goshawk

Northern Harrier or Marsh Hawk

Osprey

Red-shouldered Hawk

Red-tailed Hawk

Rough-legged Hawk

Sharp-shinned Hawk

Falcons

American Kestrel

Merlin

Peregrine Falcon

Pheasants and Turkeys

Ring-necked Pheasant

Ruffed Grouse

Wild Turkey

Quail

Northern Bobwhite

Rails, Gallinules, and Coots

Virginia Rail

Cranes

Sandhill Crane

Plovers and Lapwings

Northern Killdeer

Sandpipers and Allies

American Woodcock

Common Snipe

Greater Yellowlegs

Least Sandpiper

Pectoral Sandpiper

Solitary Sandpiper

Spotted Sandpiper

Gulls, Terns, and Allies

Great Black-backed Gull

Herring Gull

Ring-billed Gull

Pigeons and Doves

Mourning Dove

Rock Dove

Cuckoos and Allies

Black-billed Cuckoo

Yellow-billed Cuckoo

Typical Owls

Barred Owl

Eastern Screech Owl

Great Horned Owl

Northern Saw-whet Owl

Snowy Owl

Goatsuckers

Common Nighthawk

Whip-poor-will

Appendix E: Partial Wildlife Inventory of Carlisle, Massachusetts *(continued)*

Swifts

Chimney Swift

Hummingbirds

Ruby-throated Hummingbird

Rufous Hummingbird

Kingfishers

Belted Kingfisher

Woodpeckers

Downy Woodpecker

Hairy Woodpecker

Northern Flicker

Pileated Woodpecker

Red-bellied Woodpecker

Red-headed Woodpecker

Yellow-bellied Sapsucker

Tyrant Flycatchers

Alder Flycatcher

Eastern Kingbird

Eastern Phoebe

Eastern Wood Pewee

Great Crested Flycatcher

Least Flycatcher

Olive-sided Flycatcher

Willow Flycatcher

Yellow-bellied Flycatcher

Shrikes

Northern Shrike

Vireos

Blue-headed Vireo

Yellow-throated Vireo

Philadelphia Vireo

Red-eyed Vireo

Warbling Vireo

Jays, Magpies, and Crows

American Crow

Blue Jay

Common Raven

Larks

Horned Lark

Swallows

Tree Swallow

Northern Rough-winged Swallow

Bank Swallow

Barn Swallow

Titmice

Black-capped Chickadee

Tufted Titmouse

Nuthatches

Red-breasted Nuthatch

White-breasted Nuthatch

Creepers

Brown Creeper

Wrens

Carolina Wren

Winter Wren

House Wren

Marsh Wren

Kinglets

Golden-crowned Kinglet

Ruby-crowned Kinglet

Gnatcatchers

Blue-gray Gnatcatcher

Bluebirds and Thrushes

American Robin

Eastern Bluebird

Gray-cheeked Thrush

Hermit Thrush

Swainson's Thrush

Veery

Wood Thrush

Mimic Thrushes

Brown Thrasher

Gray Catbird

Northern Mockingbird

Starlings

European Starling

Wagtails and Pipits

American Pipit

Waxwings

Cedar Waxwing

Wood-Warblers

Blue-winged Warbler

Golden-winged Warbler

Tennessee Warbler

Orange Crowned Warbler

Nashville Warbler

Northern Parula

Yellow Warbler

Chestnut-sided Warbler

Appendix E: Partial Wildlife Inventory of Carlisle, Massachusetts *(continued)*

Magnolia Warbler
Cape May Warbler
Black-throated Green Warbler
Blackburnian Warbler
Pine Warbler
Prairie Warbler
Palm Warbler
Bay-breasted Warbler
Blackpoll Warbler
Black-and-White Warbler
American Redstart
Worm-eating Warbler
Ovenbird
Norther Waterthrush
Louisiana Waterthrush
Kentucky Warbler
Connecticut Warbler
Mourning Warbler
Common Yellowthroat
Hooded Warbler
Wilson's Warbler
Canada Warbler
Yellow-breasted Chat

Tanagers

Scarlet Tanager

Sparrows and Allies

American Tree Sparrow
Chipping Sparrow
Dark-eyed Junco
Field Sparrow
Fox Sparrow
Lincoln's Sparrow
Rufous-sided Towhee
Savannah Sparrow
Snow Bunting
Song Sparrow
Swamp Sparrow
Vesper Sparrow
White-crowned Sparrow
White-throated Sparrow

Cardinals and Allies

Blue Grosbeak
Indigo Bunting
Northern Cardinal
Rose-breasted Grosbeak

Snow Bunting
Blackbirds, Orioles, and Allies
Baltimore Oriole, or Northern Oriole
Bobolink
Brewer's Blackbird
Brown-headed Cowbird
Common Grackle
Eastern Meadowlark
Orchard Oriole
Red-winged Blackbird
Rusty Blackbird

Fringilline Finches

American Goldfinch
Common Redpoll
Evening Grosbeak
House Finch
Pine Grosbeak
Pine Siskin
Purple Finch
White-winged Crossbill

Old World Sparrows

House Sparrow

Appendix E: Partial Wildlife Inventory of Carlisle, Massachusetts *(continued)*

Amphibians

American Toad
Bullfrog
Gray Tree Frog
Green Frog
Leopard Frog
Spring Peeper
Wood Frog
Blue-spotted Salamander
Four-toed Salamander
Red-backed Salamander
Spotted Salamander

Reptiles

Snake

Copperhead
Eastern Milk Snake
Garter Snake
Northern Ringneck Snake
Northern Water Snake

Turtle

Blandings Turtle
Eastern Box Turtle
Eastern Painted Turtle
Musk Turtle (aka Stinkpot)
Snapping Turtle
Spotted Turtle
Wood Turtle

Mammals

Marsupialia

Virginia opossum

Shrews and Moles

Short-tailed Shrew
Hairy-tailed Mole
Eastern Mole
Star-nosed Mole

Rabbit

Eastern Cottontail

Squirrel and Chipmunk

Eastern Chipmunk
Woodchuck
Gray Squirrel
Red Squirrel
Northern Flying Squirrel

Beaver

Beaver

Mouse, Vole, and Muskrat

White-footed Mouse
Gapper's Red-backed Mouse
House Mouse
Meadow Vole
Muskrat
Norway Rat

Porcupine

Porcupine

Coyote, Wolf, Fox

Coyote
Gray Fox
Red Fox

Bear

Black Bear

Raccoon

Raccoon

Mustelids

American Marten
Fisher
Ermine
Mink
Striped Skunk
River Otter

Deer and Moose

White-tailed Deer
Moose

Appendix E: Partial Wildlife Inventory of Carlisle, Massachusetts *(continued)*

Insects

Butterflies and Moths

COMMON NAME

Little Wood Satyr

Inornate Ringlet

Blue Eyed Grayling

Eyed Brown

Red Admiral

Painted Lady

Comma

Question Mark

Mourning Cloak

Compton Tortoise Shell

Pearl Crescent

Baltimore

Great Spangled Fritillary

Variegated Fritillary

Red Spotted Purple

Viceroy

Monarch

Pine Elfin

American Copper

Spring Azure

Eastern Tailed Blue

Orange Sulfur

Clouded Sulfur

European Cabbage

Dusted Skipper

Northern Cloudy Wing

Silver Spotted Skipper

Hoary Edge

Tiger Swallowtail

Spicebush Swallowtail

Cecropia moth

Promethea moth

Polyphemus moth

Luna moth

Pink-Spotted Hawk Moth

Pandorus Sphinx

Hummingbird Clearwing

Underwings

Gypsy Moth

LATIN NAME

Euptychia cymela

Coenonympha tullia (inornata)

Cercyonis pegala

Lethe eurydice

Vanessa atalanta

Vanessa cardui

Polygonia comma

Polygonia interrogationis

Nymphalis antiopa

Nymphalis j-album

Phyciodes tharos

Euphydryas Phaeton

Speyeria cybele

Euptoieta claudia

Limenitis arthemis astyanax

Limenitis archippus

Danaus plexippus

Incisalia niphon

Lycaena phlaeas americana

Lycaenopsis argiolus (pseudargiolus)

Everes comyntus

Colias eurytheme

Colias philodice

Butterfly Pieris rapae

Atrytonopsis hianna

Thorybes pylades

Epargyreus clarus

Achalarus lyciades

Papilio glaucus

Papilio troilus

Samia cecropia

Callosamia promethea

Antheraea polyphemus

Actias luna

Agrius cingulatus

Eumorpha pandorus

Hemaristhysbe

Catacola sp.

Lymantria dispar

Appendix E: Partial Wildlife Inventory of Carlisle, Massachusetts *(continued)*

Damselflies

Aurora Damsel
Big Bluet
Eastern Forktail
Eastern Red Damsel
Ebony Jewelwing
Familiar Bluet
Fragile Forktail
New England Bluet
Northern Bluet
Orange Bluet
Rambur's Forktail
Skimming Bluet
Slender Spreadwing
Swamp Spreadwing
Variable Dancer

Dragonflies

Ashy Clubtail
Beaverpond Baskettail
Black Saddlebags
Black-shouldered Spinyleg
Blue Dasher
Chalk-fronted Corporal
Common Baskettail
Common Green Darner
Common Sanddragon
Common Whitetail
Dot-tailed Whiteface
Eastern Amberwing
Eastern Pondhawk
Four-spotted Skimmer
Golden-winged Skimmer
Hudsonian Whiteface
Lancet Clubtail
Prince Baskettail
Ruby Meadowhawk
Shadow Darner
Slaty Skimmer
Spangled Skimmer
Swamp Darner
Twelve-spotted Skimmer
Twin-spotted Spiketail
White-faced Meadowhawk
Widow Skimmer
Yellow-legged Meadowhawk

Appendix E: Partial Wildlife Inventory of Carlisle, Massachusetts *(continued)*

Fungi

COMMON NAME	LATIN NAME
Amanita Mold	<i>Hypomyces hyalinus</i>
Anise-scented Clitocybe	<i>Clitocybe odora</i>
Artist's Polypore, Artist's Conk	<i>Ganoderma applanatum</i>
Ash-tree Bolete	<i>Gyrodon merulioides</i>
Beefsteak Polypore	<i>Fistulina hepatica</i>
Bent-foot Bolete	<i>Boletus longicurvipes</i>
Berkeley's Polypore	<i>Bondarzewia berkeleyi</i>
Birch Polypore	<i>Piptoporus betulinus</i>
Bitter Bolete	<i>Tylopilus felleus</i>
Black Knot of Cherry Flask-fungus	<i>Apiosporina morbosa</i>
Black Trumpet	<i>Craterellus fallax</i>
Blackish-red Russula	<i>Russula krombholzii (atropurpurea)</i>
Bleeding Mycena	<i>Mycena haematopus</i>
Blusher Amanita	<i>Amanita rubescens</i>
Blusher Amanita	<i>Amanita rubescens</i>
Chestnut Bolete	<i>Gyroporus castaneus</i>
Chicken-fat Suillus	<i>Suillus americanus</i>
Chocolate Milky	<i>Lactarius lignyotus</i>
Chrome-footed Bolete	<i>Tylopilus chromapes</i>
Cinnabar-red Chanterelle	<i>Cantharellus cinnabarinus</i>
Coker's Amanita	<i>Amanita cokeri</i>
Common Grisette Amanita	<i>Amanita vaginata</i>
Common Psathyrella, Suburban Psathyrella	<i>Psathyrella candolleana</i>
Coral Slime-mold	<i>Ceratiomyxa fruticulosa</i>
Corn Smut	<i>Ustilago maydis</i>
Corrugated Cort	<i>Cortinarius corrugatus</i>
Corrugated-cap Milky	<i>Lactarius corrugis</i>
Crenulate Amanita	<i>Amanita crenulata</i>
Crested Coral Fungus	<i>Clavulina cristata</i>
Crowded Parchment	<i>Stereum complicatum</i>
Crown-tipped Coral Fungus	<i>Clavicornia pyxidata</i>
Dead Man's Fingers Flask-fungus	<i>Xylaria polymorpha</i>
Deceptive Milky	<i>Lactarius deceptivus</i>
Decorated Mop	<i>Tricholomopsis decora</i>
Destroying Angel	<i>Amanita virosa</i>
Dye-maker's Polypore	<i>Phaeolus schweinitzii</i>
False Turkey-tail	<i>Stereum ostrea</i>
Fawn Mushroom, Deer Mushroom	<i>Pluteus cervinus</i>
Forest Funnelcap	<i>Clitocybe gibba</i>
Fragile Russula, Fragile Brittle-gill	<i>Russula fragilis</i>
Fragrant Russula	<i>Russula fragrantissima</i>
Frost's Bolete	<i>Boletus frostii</i>
Fuzzy-foot, Golden Trumpets	<i>Xeromphalina campanella</i>

Appendix E: Partial Wildlife Inventory of Carlisle, Massachusetts *(continued)*

Garlic Marasmius	<i>Marasmius scorodonius</i>
Gem-studded Puffball	<i>Lycoperdon perlatum (gemmatum)</i>
Golden Chantarelle, Common Chantarelle	<i>Cantharellus cibarius</i>
Gray Coral Fungus	<i>Clavulina cinerea</i>
Green Russula, Green Brittlegill	<i>Russula virescens</i>
Green-quilt Russula	<i>Russula crustosa</i>
Gunpowder Lepidella	<i>Amanita omusta</i>
Hot Lips	<i>Calostoma cinnabarina</i>
Hygrophorus Milky	<i>Lactarius hygrophoroides</i>
Jellied False Coral	<i>Tremellodendron pallidum</i>
King Bolete	<i>Boletus edulis</i>
Little Gym	<i>Gymnopilus penetrans</i>
Lobster Mushroom	<i>Hypomyces lactifluorum</i>
N/A	<i>Boletus subuluridellus</i>
N/A	<i>Calocera viscosa</i>
N/A	<i>Calvatia craniiformis</i>
N/A	<i>Collybia luxurians</i>
N/A	<i>Crepidotus applanatus</i>
N/A	<i>Cyathus stercoreus</i>
N/A	<i>Fomitopsis spraguei</i>
N/A	<i>Ganoderma lucidum</i>
N/A	<i>Gymnopus subnudus</i>
N/A	<i>Hydnellum scrobiculatum</i>
N/A	<i>Hypomyces lateritius</i>
N/A	<i>Lactarius chrysorrheus</i>
N/A	<i>Lactarius luteolus</i>
N/A	<i>Lactarius quietus</i>
N/A	<i>Lactarius quietus</i>
N/A	<i>Leotia lubrica</i>
N/A	<i>Lepiota americana</i>
N/A	<i>Omphalina ectypoides</i>
N/A	<i>Phellodon confluens</i>
N/A	<i>Russula aeruginea</i>
N/A	<i>Russula rubescens</i>
N/A	<i>Scleroderma cepa</i>
N/A	<i>Tylopilus rubrobrunneus</i>
Oak-loving Collybia	<i>Collybia dryophila</i>
Old Man of the Woods	<i>Strobilomyces floccopus</i>
Orange Jelly-fungus, Witches' Butter	<i>Dacrymyces palmatus</i>
Orange Pinwheel Marasmius	<i>Marasmius siccus</i>
Ornate-stalked Bolete	<i>Boletus ornatipes</i>
Painted Bolete	<i>Suillus pictus</i>
Pale Bolete	<i>Boletus pallidus</i>
Parasol	<i>Macrolepiota procera</i>
Peppery Milky	<i>Lactarius piperatus</i>
Pigskin Poison Earthball, Pigskin Poison Puffball	<i>Scleroderma citrinum</i>

Appendix E: Partial Wildlife Inventory of Carlisle, Massachusetts *(continued)*

Pin-wheel Marasmius, Horsehair Marasmius	<i>Marasmius rotula</i>
Platterful Mushroom	<i>Megacollybia (Tricholomopsis) platyphylla</i>
Purple-bloom Russula	<i>Russula mariae</i>
Red Cushion Hypoxylon, Beech Hypoxylon	<i>Hypoxylon fragiforme</i>
Red-cracked Bolete	<i>Boletus chrysenteron</i>
Red-mouth Bolete	<i>Boletus subvelutipes</i>
Rooted Collybia	<i>Xerula furfuracea</i>
Russell's Bolete	<i>Boletellus russellii</i>
Scaly Tooth-Fungus	<i>Sarcodon imbricatus</i>
Sensitive Bolete	<i>Boletus sensibilis</i>
Shiny Cinnamon Polypore	<i>Coltricia cinnamomea</i>
Short-stalked White Russula	<i>Russula brevipes</i>
Small Chanterelle	<i>Cantharellus minor</i>
Soft Stumpfoot	<i>Crepidotus mollis</i>
Spongy Toothed Polypore	<i>Spongipellis pachyodon</i>
Spotted Bolete	<i>Boletus affinis</i>
Spotted Collybia	<i>Collybia maculata</i>
Straight-stalk Pinkgill	<i>Nolanea (Entoloma) strictius</i>
Strangulated Amanita	<i>Amanita ceciliae</i>
Sulphur Shelf Polypore, Chicken Mushroom	<i>Laetiporus sulphureus</i>
Sulphur Tuft Mushroom	<i>Hypholoma fasciculare</i>
Tawny Grisette Amanita	<i>Amanita fulva</i>
Thick-maze Oak Polypore	<i>Daedalea quercina</i>
Thin-maze Flat Polypore	<i>Daedaleopsis confragosa</i>
Tinder Polypore	<i>Fomes fomentarius</i>
Variable Russula	<i>Russula variata</i>
Velvet Lactarius	<i>Lactarius subvellereus</i>
Velvet-footed Pax	<i>Paxillus atrotomentosus</i>
Violet Toothed-Polypore	<i>Trichaptum bifforme</i>
Viscid Violet Cort	<i>Cortinarius iodes</i>
Voluminous-latex Milky	<i>Lactarius volemus</i>
Volvate Amanita	<i>Amanita volvata</i>
Waxy Laccaria, Common Laccaria	<i>Laccaria laccata</i>
White Cheese Polypore	<i>Tyromyces chioneus</i>
White Dunce-cap	<i>Conocybe lactea</i>
White-egg Bird's-nest Fungus	<i>Crucibulum laeve</i>
Wood Mushroom	<i>Agaricus silvaticus</i>
Woolly-stalked Coprinus, Woolly-stalked Inky-cap	<i>Coprinus lagopus</i>
Yellow Blusher	<i>Amanita flavorubescens</i>
Yellow Latex Milky	<i>Lactarius vinaceorufescens</i>
Yellow Patches Amanita	<i>Amanita flavoconia</i>
Yellow Stain	<i>Chlorosplenium chlora</i>
Yellow Witches' Butter Jelly-fungus	<i>Tremella lutescens (mesenterica)</i>
Yellow-orange Fly Amanita	<i>Amanita muscaria</i>
Zoned Crinipellis	<i>Crinipellis zonata</i>

Appendix E: Partial Wildlife Inventory of Carlisle, Massachusetts *(continued)*

Lichens

COMMON NAME	LATIN NAME
A Cladonia Lichen	<i>Cladonia grayi</i>
A Crimson Dot Lichen	<i>Pyrrhospora varians</i>
A Dot Lichen	<i>Micarea erratica</i>
A Dust Lichen	<i>Lepraria caesioalba</i>
A Julella Lichen	<i>Julella fallaciosa</i>
A Saucer Lichen	<i>Ochrolechia arborea</i>
A Sulphur-dust Lichen	<i>Psilolechia lucida</i>
A Trapelia Lichen	<i>Trapelia involuta</i>
Abraded Camouflage Lichen	<i>Melanelia subaurifera</i>
Aggressive Crater Lichen	<i>Diploschistes scruposus</i>
Alternate Dog Pelt Lichen	<i>Peltigera didactyla</i>
Bare-bottomed Sunburst Lichen	<i>Xanthoria fulva</i>
Boreal Oakmoss Lichen	<i>Evernia mesomorpha</i>
Bottlebrush Shield Lichen	<i>Parmelia squarrosa</i>
Bristly Beard Lichen	<i>Usnea hirta</i>
Bumpy Rim Lichen	<i>Lecanora hybocarpa</i>
Burred Horsehair Lichen	<i>Bryoria furcellata</i>
Cobblestone Lichen	<i>Acarospora fuscata</i> Brown
Common Clam Lichen	<i>Hypocenomyce scalaris</i>
Common Coal-dust Lichen	<i>Polysporina simplex</i>
Common Greenshield Lichen	<i>Flavoparmelia caperata</i>
Common Powderhorn	<i>Cladonia coniocraea</i>
Comon Gold-speck Lichen	<i>Candelariella vitellina</i>
Dusky Map Lichen	<i>Rhizocarpon obscuratum</i>
Elegant Sunburst Lichen	<i>Xanthoria elegans</i>
Field Lichen	<i>Peltigera rufescens</i>
Frosted Comma Lichen	<i>Arthonia caesia</i>
Fused Rim Lichen	<i>Lecanora symmicta</i>
Golden Moonglow Lichen	<i>Dimelaena oreina</i>
Green Reindeer Lichen	<i>Cladina mitis</i>
Hammered Shield Lichen	<i>Parmelia sulcata</i>
Hidden Gold-speck Lichen	<i>Candelariella aurella</i>
Hoary Rosette Lichen	<i>Physcia aipolia</i>
Hooded Rosette Lichen	<i>Physcia adscendens</i>
Hooded Tube Lichen	<i>Hypogymnia physodes</i>
Lemon Candle-flame Lichen	<i>Candelaria concolor</i>
Many-forked Cladonia	<i>Cladonia furcata</i>
Mapledust Rim Lichen	<i>Lecanora thysanophora</i>
Mealy Rim Lichen	<i>Lecanora strobilina</i>
Mealy Rosette Lichen	<i>Physcia millegrana</i>
Mortar Rim-lichen	<i>Lecanora dispersa</i>
Orange-cored Shadow Lichen	<i>Phaeophyscia rubropulchra</i>
Peppered Rock-shield Lichen	<i>Xanthoparmelia conspersa</i>

Appendix E: Partial Wildlife Inventory of Carlisle, Massachusetts *(continued)*

Pink Earth Lichen	<i>Dibaeis baeomyces</i>
Pompon Shadow Lichen	<i>Phaeophyscia pusilloides</i>
Powder-tipped Shadow Lichen	<i>Phaeophyscia adiastrum</i>
Powdery Gold-speck Lichen	<i>Candelariella efflorescens</i>
Rock Greenshield Lichen	<i>Flavoparmelia baltimorensis</i>
Rough Speckled Shield Lichen	<i>Punctelia rudecta</i>
Scattered Rock-posy Lichen	<i>Rhizoplaca subdiscrepans</i>
Sinewed Ramalina Lichen	<i>Ramalina americana</i>
Smoky-eyed Boulder Lichen	<i>Porpidia albocaerulescens</i>
Spiny Heath Lichen	<i>Cetraria arenaria</i>
Stalkless Cladonia	<i>Cladonia apodocarpa</i>
Star Rosette Lichen	<i>Physcia stellaris</i>
Sulphur Rock Firedot Lichen	<i>Caloplaca flavovirescens</i>
Thorn Cladonia	<i>Cladonia uncialis</i>
Wart Lichen	<i>Pertusaria amara</i> Bitter
Zoned Dust Lichen	<i>Lepraria neglecta</i>

Appendix F

**Sample of
Letter to
Contiguous
Towns**



Town of Carlisle
Office of
CONSERVATION COMMISSION
66 Westford Street
Carlisle, Massachusetts 01741

Tel. (978) 369-0336
Fax: (978) 369-4521

September 2, 2004

Acton Conservation Commission
Tom Tidman, Administrator
472 Main Street
Acton, MA 01720

Dear Mr. Tidman,

I am writing on behalf of the Open Space and Recreation (OS&R) Committee for the town of Carlisle. We are currently revising our OS&R Plan, and as part of that revision we are reaching out to contiguous towns to explore working with each of them for our mutual good. We seek information that is specific and unique to our two towns and not information that applies to the whole region. Our committee has identified some issues, listed below, that we would like to address in our report. Please review these issues and respond as fully as possible. Also, please feel free to add any information, comments, or suggestions to our proposed list.

1. **Current OS&R Report:** We will be happy to exchange copies of the next OS&R Report, which is due to be completed in 2005.
2. **Adjacent / Bordering Resources:** We would like to list our common resources and to know your perception of the importance or value of each of the resources listed.
3. **Resources That Could Be Shared:** In addition to naming the obvious common resources, we would like to explore ways for us to cooperate in addressing common needs and goals.
4. **Regional Factors (Positive and Negative):** We would like to identify current and future activities that could affect our respective towns. Examples include upstream activities by a town that could affect downstream uses, as well as the early identification of proposed or planned construction that could affect either town directly or indirectly.
5. **Resources of Regional Significance:** We would like to list regional resources, such as the Concord River, and others.
6. **Protection Strategies:** We would like to explore ways in which we might work together to achieve our common goals.

I have asked one of Carlisle's OS&R committee members, Diane Troppoli (978) 287-4365 to work directly with you to prepare any information that you are willing to provide. If there is another individual in Acton who might be a better contact person for this information request, please advise me so that we can contact that person. We believe this is an important step forward in our communities working together. I thank you in advance for your cooperation, and I look forward to working with you.

Sincerely,

Steve Spang, Chair
Carlisle, Open Space & Recreation Committee
Carlisle Conservation Commission
66 Westford Street
Carlisle, MA 01741
978 369-0336

cc: Diane Troppoli



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Appendix G

**Self-evaluation
of Carlisle's
Compliance with
ADA Requirements**

Appendix G: Self-evaluation of Carlisle's Compliance with ADA Requirements

The compliance of properties used by the Conservation Commission and the Recreation Commission with the requirements of the Americans with Disabilities Act (ADA) was evaluated substantially in accordance with Appendix H of the OS&R Plan workbook. Betsy Fell, a contributor to this Plan who has a household member with disabilities, was consulted during the process about access to conservation lands. The Recreation Commission consulted David Flannery, who is a member of Carlisle's ADA Task Force, Chief of the Fire Department, and an Emergency Medical Technician.

The Carlisle Recreation Commission is planning an expansion of their playing fields on the Banta-Davis Land as this report is being written. Upgrading the Banta-Davis recreational facilities to comply with ADA requirements is within the scope of work on the project.

Facility Inventory forms filled out for this Self-evaluation are on file with the Town of Carlisle's ADA Coordinator, Town Administrator Madonna McKenzie, Carlisle Town Hall, 66 Westford Street, Carlisle, MA 01741, (978) 371-6688.

The properties under the management of the Carlisle Conservation Commission are generally rough in terrain and are not easily able to be brought into compliance with some accessibility requirements. In addition, a review of the signage on conservation properties has shown that some signs have become faded with time and that new signs may be required for the older properties. The newly formed Land Stewardship Committee, a subcommittee of the Carlisle Conservation Commission, is charged with an initial review of all these properties and listing priorities.

Foss Farm Conservation Land: There is a handicap parking spot in a good location in the gravel and sand parking lot, and two more may be added for this fairly large parking lot. The Commission manages Community Gardens on the property. Gardeners drive to their individual plots, making the plots fairly accessible. Many of the trails on Foss Farm are problematic for those with limited mobility due to sandy soils.

Cranberry Bog Conservation Land: This property consists of several dikes on which there are trails with interpretive signs explaining the cranberry operation. Handicapped parking is not available at this time. Although getting from a car to the trails along the dikes is difficult for a wheelchair, it may be possible to improve access. Access can be evaluated by the Land Stewardship Committee.

Greenough Conservation Land: Access to trails from the parking areas is not possible due to the rough terrain. However, a rear driveway onto the Greenough property over land owned by the Carlisle Conservation Foundation in Billerica may give restricted individuals access to the surface of the Greenough Dam for fishing and other outdoor experiences. A trail from Maple Street may be made handicapped accessible and may provide a valuable link to trails in the U.S. Fish and Wildlife Service's O'Rourke property. These possibilities can be evaluated by the Land Stewardship Committee and the Trail Committee.

Carlisle Conservation Foundation properties with trails are generally of the same rough character as those owned by the Town of Carlisle through its Conservation Commission. However, one of their properties, the Malcolm Preserve, co-owned by The Trustees of Reservations, has an existing well-maintained, handicapped-accessible trail.

Great Brook Farm State Park has just completed its facility upgrade, consisting of an accessible pavilion with public restrooms and covered picnic tables. A labyrinth of trails leading from a large parking area to the pavilion, a pond, an ice cream stand, and a cow barn is also handicapped accessible. During the winter months with snow, a cross-country ski program provides accessible equipment and programs.

Appendix H

**Recreation
Commission
Grievance Policy
re: Equal Access**

Appendix H: Recreation Commission Grievance Policy re: Equal Access

CARLISLE RECREATION COMMISSION **GRIEVANCE POLICY FOR THE GENERAL PUBLIC**

Equal Access to Facilities and Activities

1. The Recreation Commission is committed to providing maximum opportunity to receive citizen comments, complaints and to resolve grievances or inquiries.

Administrative Level

2. The Program Director and/or Administrative Director will be available during office hours to meet with citizens and employees to discuss complaints.
3. When a complaint, grievance or request for program policy interpretation or clarification is received either in writing, through a meeting or telephone call, every effort will be made to create a record regarding the name, address, phone number, nature of the complaint, and program policy interpretation, clarification or resolution.
4. All complaints, grievances or request for program policy interpretation will be responded to by telephone or in writing within ten working days.
5. If the issue is not resolved at this level, it will progress to the Commission level.

Recreation Commission Level

6. Complaints can be forwarded to any member of the Recreation Commission either in writing or by telephone. The Recreation Commission will respond to the complaint either by telephone or in writing within ten days. If the issue is not resolved at this level, it will progress to the Board of Selectmen level.

Board of Selectmen Level

7. If the grievance is not satisfactorily resolved, citizens will be informed of the opportunity to meet and speak with the Board of Selectmen of their complaint.

Section 13: Maps

Map 1: Zoning Districts

Map 2: Soils and Geologic Features

Map 3: Unique Features

Map 4: Water Resources

Map 5: Protected and Unprotected (≥ 10 acres) Open Space in Carlisle

Map 6: Protected Open Space in Carlisle

Map 7: Five-Year Action Plan for Carlisle

Map 8: Historic Roads

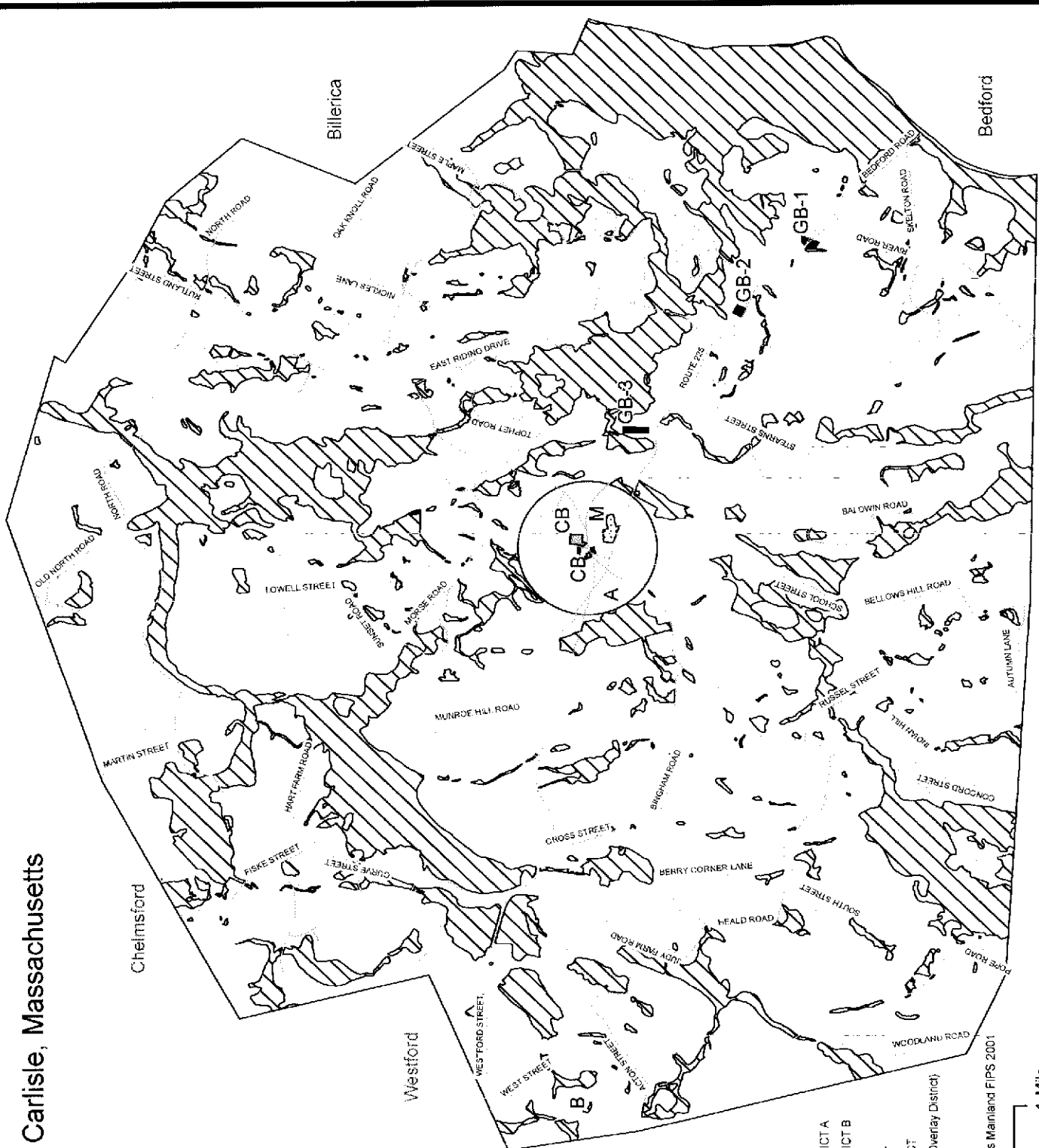
Map 9: NHESP Estimated and Priority Habitats of Rare Species and Certified Vernal Pools

Map 10: Carlisle Footpaths Plan



Map 1: Zoning Districts

Zoning Districts, Carlisle, Massachusetts



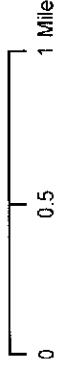
Legend

ROADS

ZONING DISTRICTS

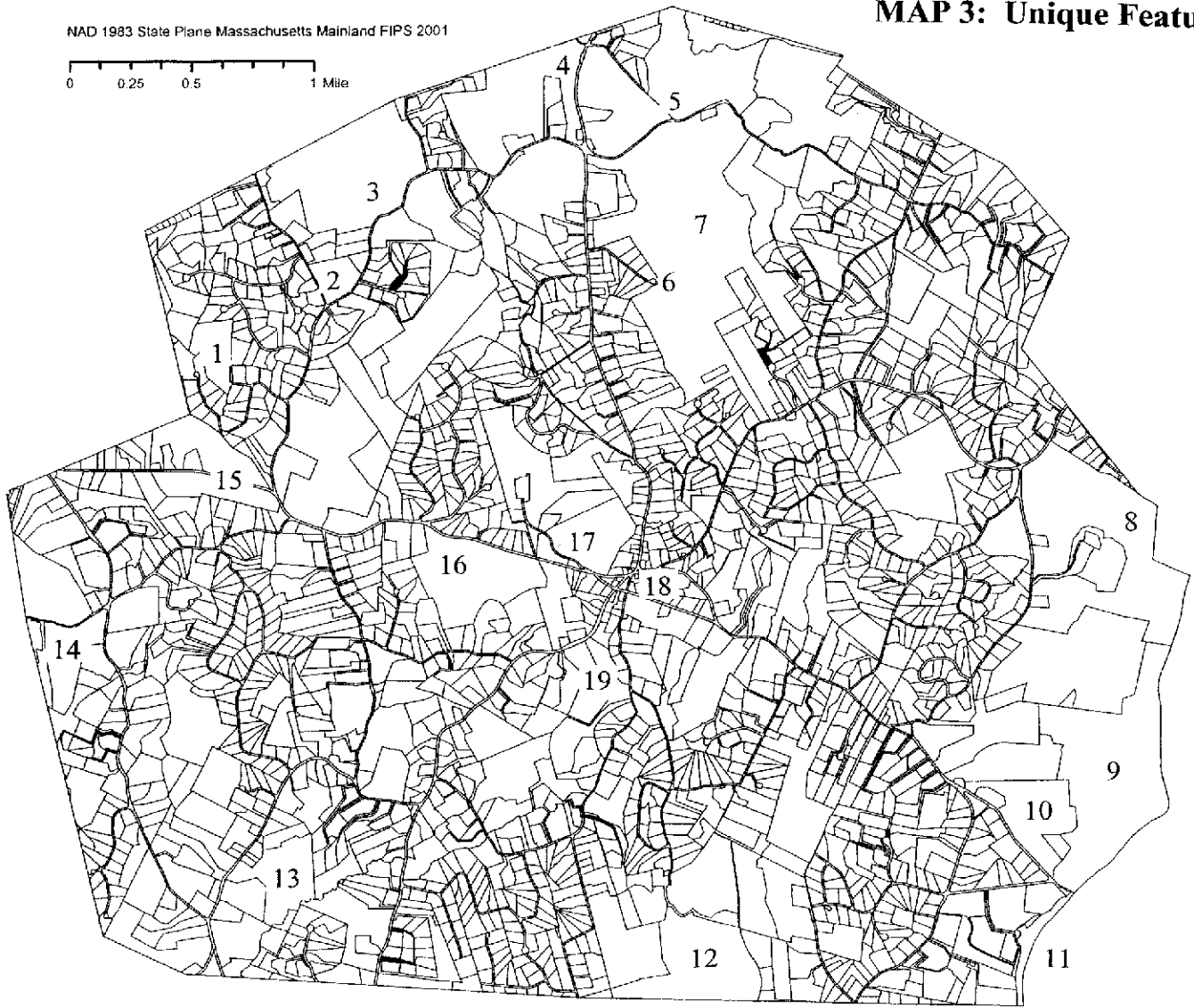
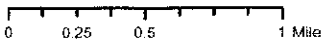
- GENERAL RESIDENCE DISTRICT A
- GENERAL RESIDENCE DISTRICT B
- RESIDENCE DISTRICT M
- CENTER BUSINESS DISTRICT
- GENERAL BUSINESS DISTRICT
- WETLAND/FLOOD HAZARD (Overlay District)

Data Source: Town of Carlisle
 NAD 1983 State Plane Massachusetts Mainland FIPS 2001



MAP 3: Unique Features

NAD 1983 State Plane Massachusetts Mainland FIPS 2001



LEGEND



- 1- **Carlisle Pines** section of Great Brook Farm State Park (GBFSP)- small stand of ancient white pines exceptional for their size and grandeur.
- 2- **Hutchins and Robbins Fields**- Protected open land under active agriculture.
- 3- **Cranberry Bog**- Northernmost active cranberry bog in Massachusetts on protected open land.
- 4- **Glacial Esker**- Impressive example of ice age action within GBFSP.
- 5- **Great Brook Farm State Park**- Includes an active dairy farm, a x-country skiing concession, an ice cream stand, open vistas, and miles of trails.
- 6- **Wolf Rock**- Large glacial erratic.
- 7- **Tophet Swamp**- Extensive wooded wetland.
- 8- **Greenough Pond**- Scenic water body on Greenough Land conservation area.
- 9- **Great Meadows National Wildlife Refuge**- Open and wooded area bordering the Concord River.
- 10- **Foss Farm**- Woods and fields with community gardens, trails, pony rings, dog sled trails, x-country skiing.
- 11- **Concord River**- Extensive riverine environment designated a Wild and Scenic River.
- 12- **Estabrook Woods**- With its surrounding protected properties in both Carlisle and Concord, Greater Estabrook Woods is the most extensive wild forested region in eastern Massachusetts.
- 13- **Benfield Parcel A**- Protected open field with a vista including the Spencer Brook meadows.
- 14- **Valentine Farm**- Privately-owned large farm with hayfields and grazing steer.
- 15- **Sorli Farm**- Privately-owned large farm featuring bucolic vistas.
- 16- **Towle Field**- Large open protected fields with bordering woods including hiking and x-country skiing trails.
- 17- **Castle Rock**- A large outcropping on the town-owned Conant Land. This parcel of undeveloped municipal land features extensive woodland with hiking trails.
- 18- **Historic District**- Area in the town center preserving the rural appearance of Carlisle's hub.
- 19- **Clark Farm**- Exceptional open field vista near the town center.

Map 4: Water Resources

Map 4: Water Resources



Legend

- Roads
 - Drainage Sub-basin - November 2003
 - Hydrography 1:25,000 - February 2005
 - Stream
 - Intermittent stream
 - Ditch, canal
 - Transport arc
 - Carlisle Ponds
 - Pond or River
 - DEP Wellhead Protection - September 2005
 - Zone I
 - Zone II
 - DEP Wetlands 1:12,000 - April 2005
 - Marsh
 - Wooded swamp
 - Cranberry bog
 - Open water
 - FEMA Q3 Flood - July 1997
 - Zone A
 - Zone AE
 - Zone X500
 - Aquifers - June 2003
 - Low yield (< 50 gpm)
 - Medium yield (100 - 300 gpm)

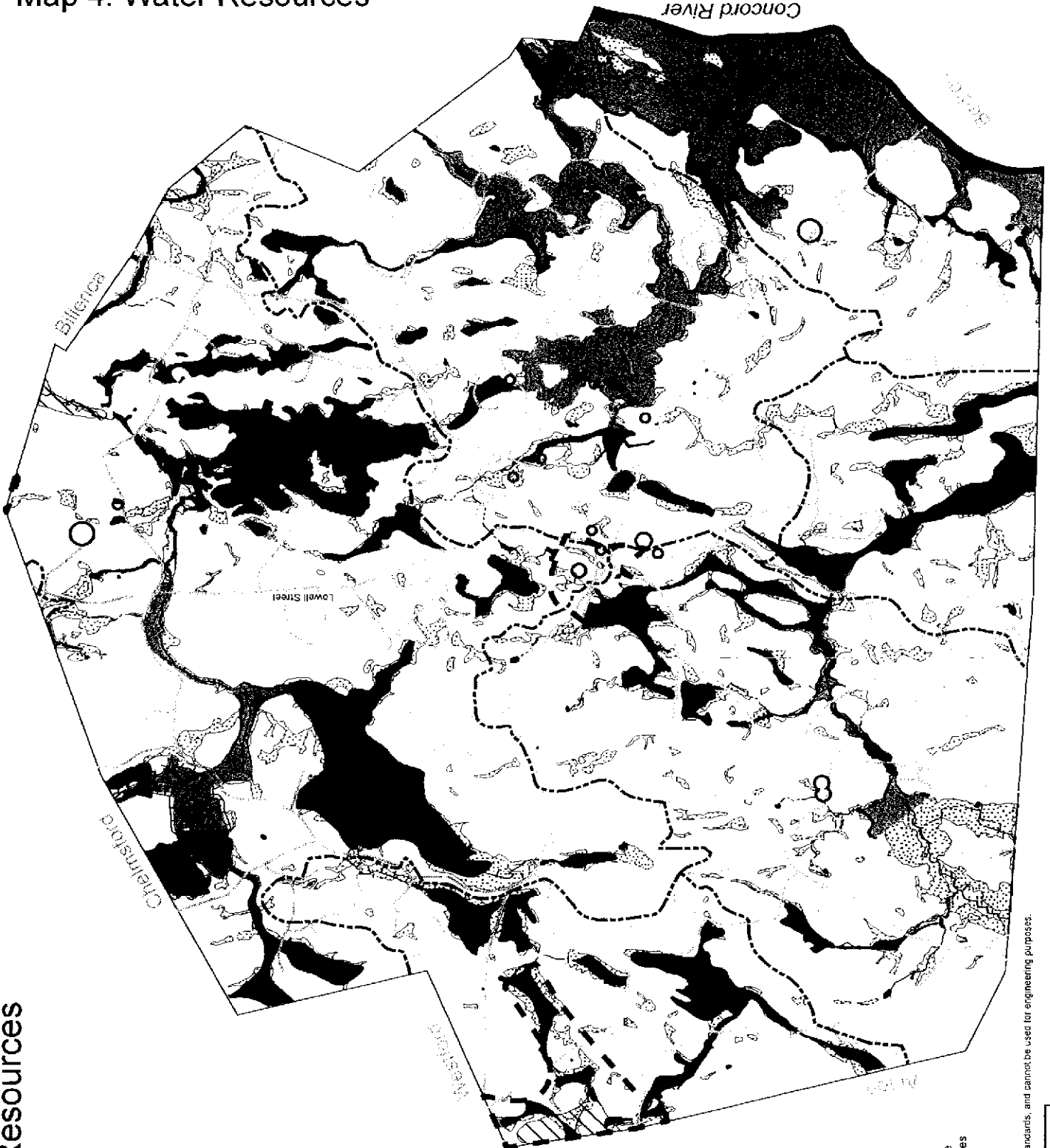
Key to FEMA Q3 Flood Data

Zone Description

- A** An area inundated by 100-year flooding, for which no BFEs have been determined.
- AE** An area inundated by 100-year flooding, for which BFEs have been determined.
- X500** An area inundated by 500-year flooding; an area inundated by 100-year flooding with average depths of less than 1 foot or with drainage areas less than 1 square mile, or an area protected by levees from 100-year flooding.

Data Sources: MassGIS, Town of Carlisle.

Note: This map does not meet national map accuracy standards, and cannot be used for engineering purposes.

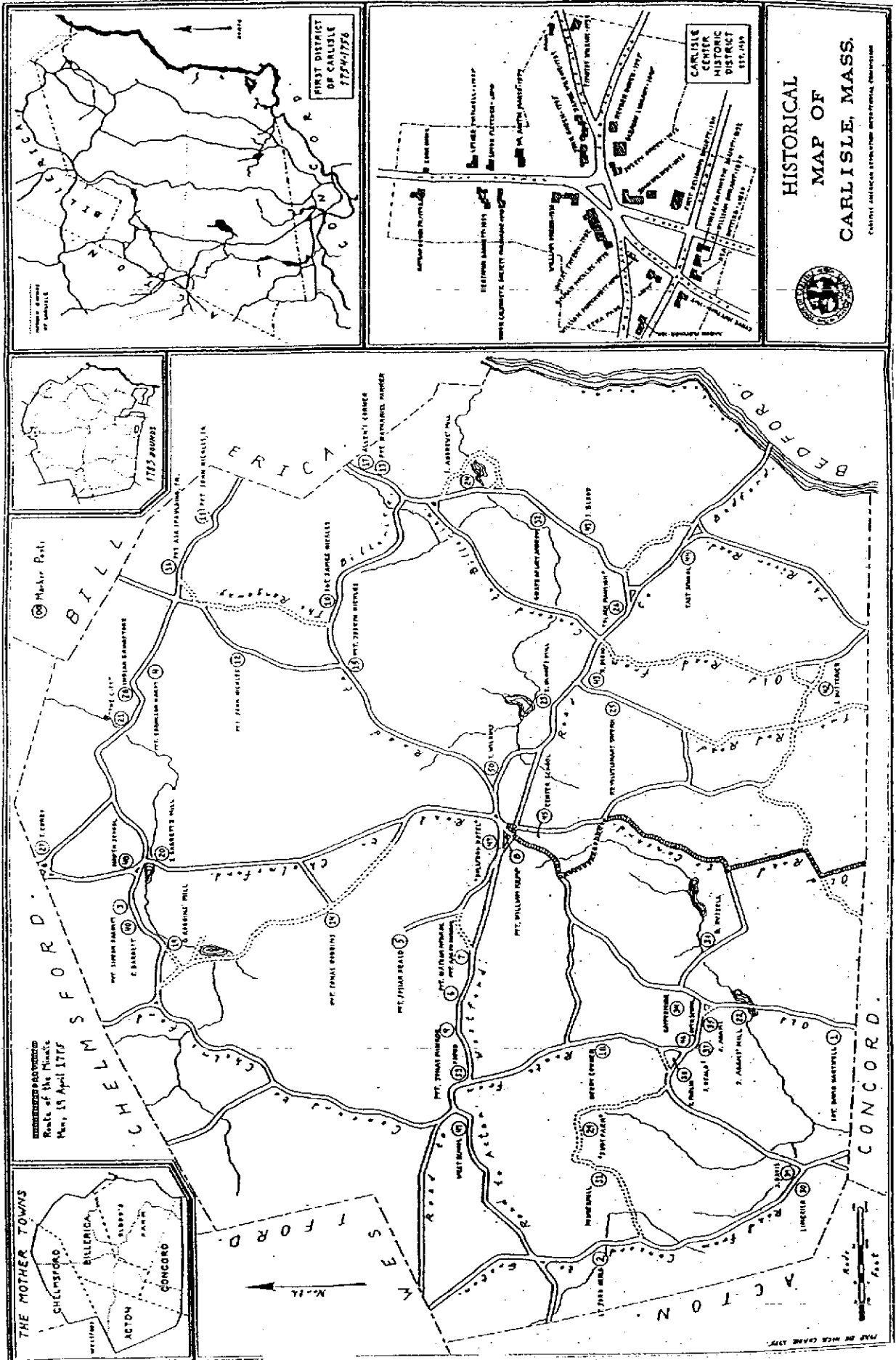


MAP 5

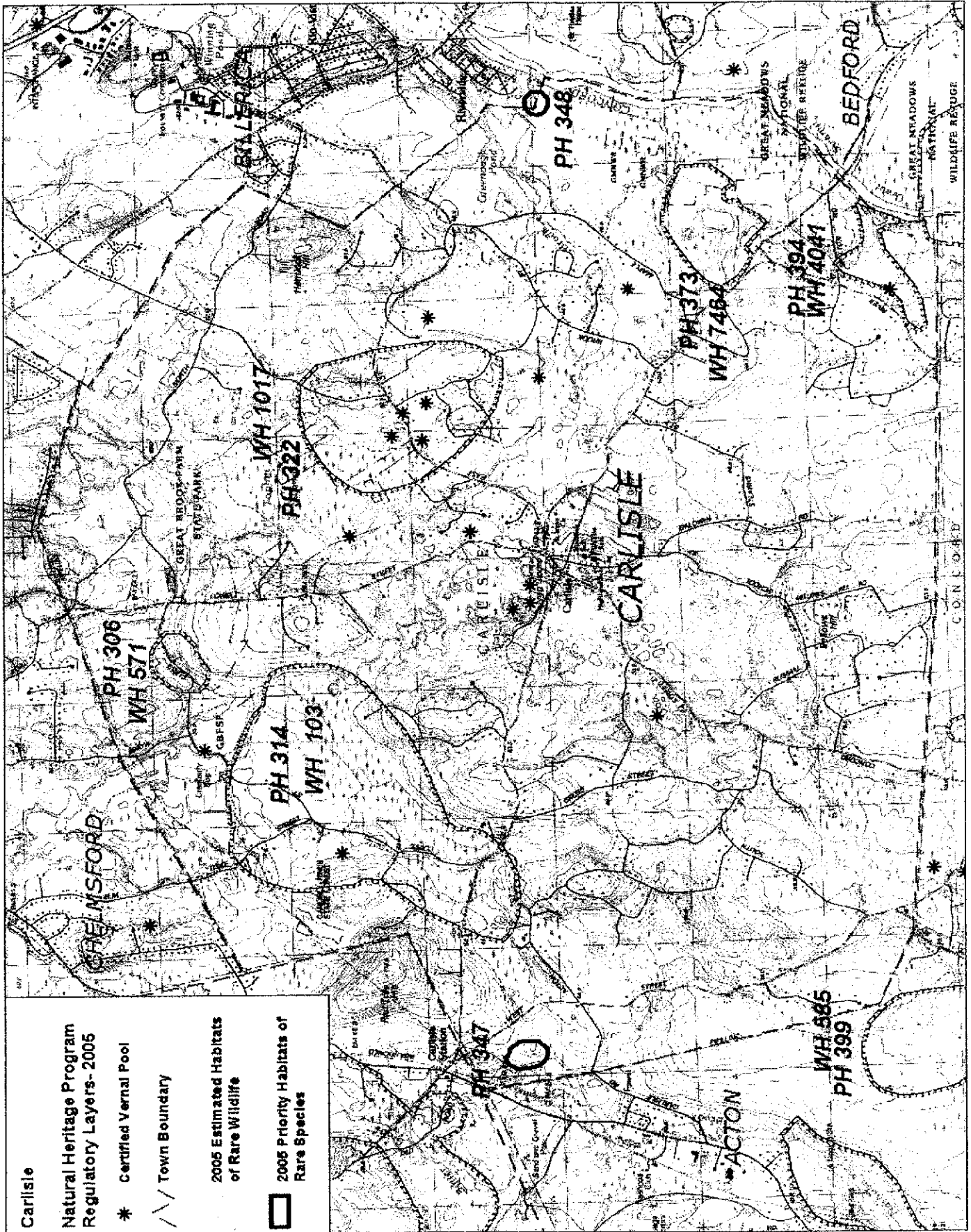
MAP 6

MAP 7

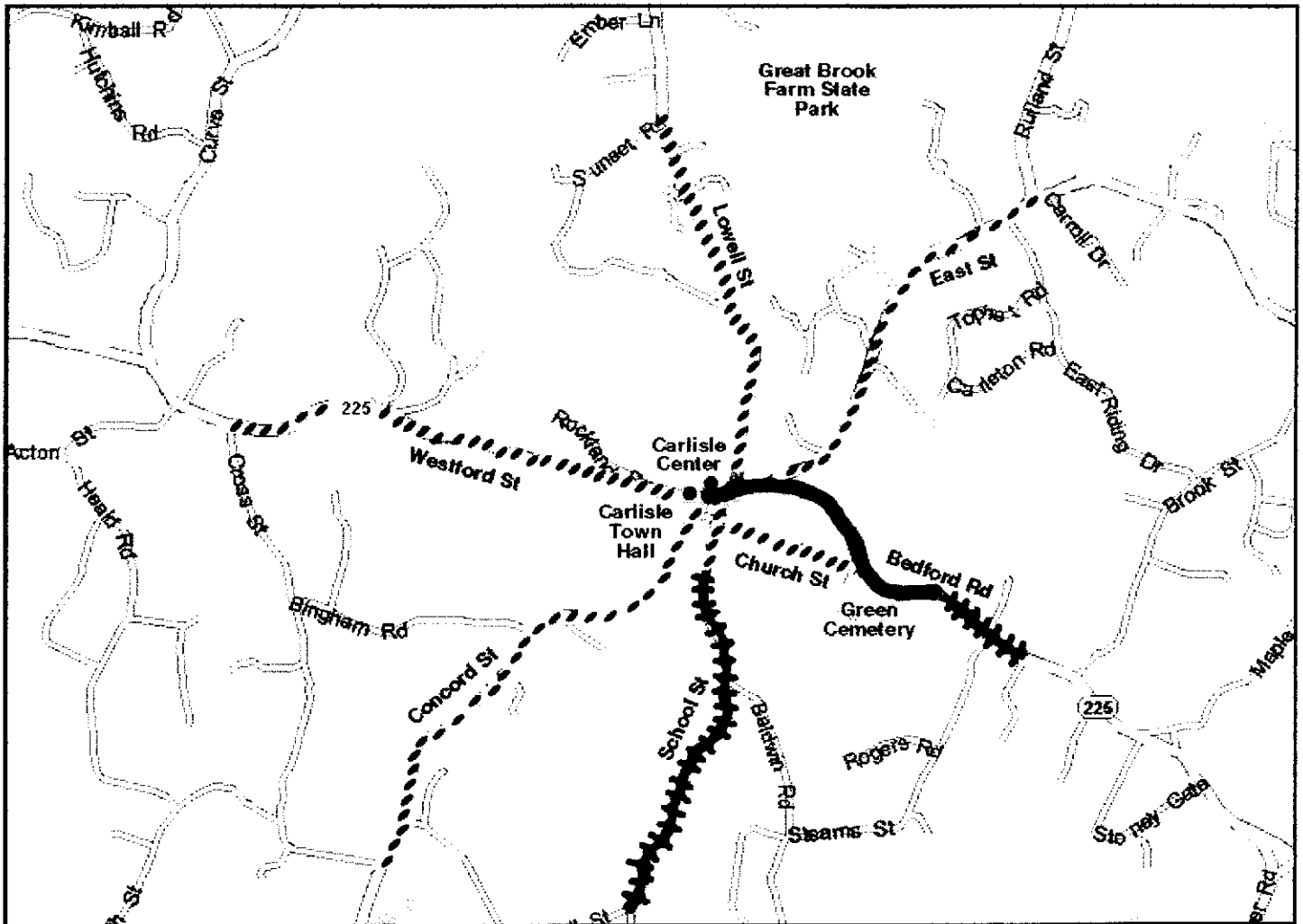
MAP 8: Historic Roads






MAP 9: NHESP Estimated and Priority Habitats of Rare Species and Certified Vernal Pools



MAP 10: Carlisle Footpaths Plan



LEGEND

-  Proposed Footpath
-  Completed Footpath
-  Possible Footpath Extension

Section 14: Tables

Table 1: Town Conservation Lands as of 1 May 2005

Table 2: Town Acquisitions for Conservation – Listed by Date

Table 3: Commonwealth and Federal Lands in Carlisle

Table 4: Carlisle Conservation Foundation (CCF) Lands as of 1 May 2005 – Listed by Date

Table 5: Properties with Conservation Restrictions (CRs) as of 1 May 2005

Table 6: Lands in 61, 61A, or 61B

Table 7: Five-Year Action Plan Property Protection Priority List (≥ 10 acres)

Table 8: Open Space Created by Cluster Developments

Table 9: Properties of the Greater Estabrook Woods in Carlisle (acres)

Table 10: Conservation and Recreation Properties and Facilities in Carlisle

Table 11: Accessibility of Conservation and Recreation Lands in Carlisle

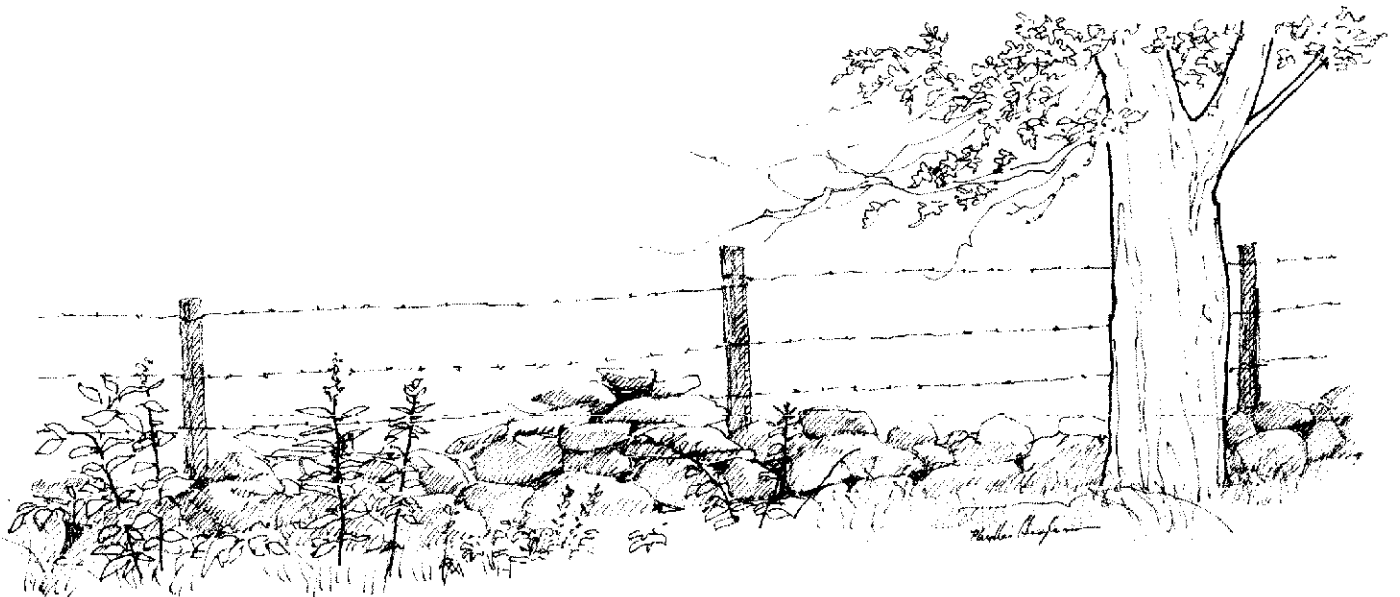


Table 1: Town Conservation Lands as of 1 May 2005

Land Name	Location	Acres	Protection*				CR	Map-Parcel-Lot
			A	B	C	D		
Benfield Parcel A, Lot 4	South Street	25.68	•				pend	5-A-4
Bisbee Land	Lowell Street	34	•	•				4-24A-0
Buttrick Woods Open-Space Parcel	Lowell Street	13.97	•	•			•	4-20-A
Carr Land	off Bellows Hill Road	6.08	•	•			•	2-12-1
Cranberry Bog	Curve Street	151	•	•				30-2-0; 31-15-0
Davis Corridor	Bedford Road to Estabrook Woods	126.4	•	•	•		•	2-1-0; 2-2A-0; 2-5-0; 2-6-0; 2-7-0; 2-8-0; 9-15-0; 9-26-0
Deacon Land	off Baldwin Road	7.51	•	•			•	2-13-0; 9-38-A; 9-38-B
Fisk Meadow	off Lowell Street	11.60	•	•				27-6-0
Foss Farm	Bedford Road	55.20	•	•	•	•		11-5-0
Fox Hill	Bedford Rd./Stearns Street	11.22	•	•				14-9-0
Gage Woodland	off Lowell St./Ember Lane	14	•					31-2-0
Greenough Land	Maple Street	255.00	•	•	•	•		12-2-0; 13-87-0; 24-3-0
Great Brook Estates OS 1	Rutland Street	3.67	•					26-18-G
Hart Farm	off Curve Street	13.54	•	•				28-12-Y
Heidke Parcel	next to Town Forest	8.19	•	•				24-28-0
Hutchins Field	Curve Street	16.00	•	•	•		APR	28-2-Y
Ice Pond Parcel	next to GBFSP	7.05	•	•			•	26-6K-OS
Macone Property	off Brook Street	3.00	•	•				13-8-6
MacAfee Land	next to Great Brook Farm State Park/Carlisle Pines	15.00	•	*				29-4-0
Malcolm Land	Stearns Street	23.10	•	•	•		•	9-25-0; 9-27-0; 9-28-0
Mannis Land	off Aldershot Lane	27.88	•	•				36-22-0; 36-37-7; 36-38-8; 36-39-9
Robbins Field	Curve Street	18.45	•	•	•		APR	28-8-8A; 28-8-9A; 28-8-10A
Rockstrom Land	off School Street	7.55	•	•			•	2-14-9
Sachs Greenway	off Baldwin Road	9.34	•	•			•	2-10-9; 2-10-X
Swanson Land	off Curve Street	20.00	•	•				28-9-0
Swanson Family Land	Tall Pines Lot 10	2.99	•	•				29-6-10
Towle Land	Westford Street	120.90	•	•	•	•		15-23-0; 15-24-0; 15-25-0; 15-45-0
Town Forest	East Street	71	•					23-66-0
Total Acres		1,079.3						

* Protection - Properties subject to permanent protection because:
A- Acquired by Town Meeting, voted to be managed by the Conservation Commission by Town Meeting, and permanently protected under Article 97 of the Massachusetts Constitution.
B- Acquired for conservation under MGL Ch 40 s. 8C, or created as open space through the Carlisle Conservation Cluster Bylaw, or by gift.
C- Acquired with Commonwealth of Massachusetts Self-help funds or with state APR funds.
D- Acquired with Commonwealth Self-help funds and the Federal Land and Water Conservation Fund.
APR= Agricultural Preservation Restriction, GBFSP= Great Brook Farm State Park

Table 2: Town Acquisitions for Conservation - Listed by Date

Year Acquired	Parcel	Land Name	Acres	Purpose at Acquisition	Funding Source
1968	Towle	Towle Land	94.40	Cons/Rec	T, S, F
1969	Ryan	Towle Land	1.5	Cons	Gift
1970	Metivier	Towle Land	13.50	Cons	T, S
1971	Clark/Foss	Towle Land	3.00	Cons	T, S
1971	Carr/Warren	Towle Land	10.00	Cons	T, S
1971	Foss	Foss Farm	55.20	Cons/Rec	T, S, F
1973	Greenough	Greenough Land	255	Cons/Rec	T, S, F
1973	Swanson	Swanson Land	20.00	Cons	Gift
1974	Davis	Davis Corridor	108.4	Cons	T, S
1974	Davis	Davis Corridor	1.6	Cons	Gift
1977	Carruthers	Davis Corridor	2	Cons	T, S
1977	Clark	Davis Corridor	3.4	Cons	T, S
1978	Hodgman	Davis Corridor	10.6	Cons	Town
1978	Heidke	Heidke Parcel	8.19	Cons	Gift
1980	Leelman-Anderson	Fox Hill	11.22	Cons	Town
1981	Fisk	Fisk Meadow	11.60	Cons	Gift
1982	Mannis	Mannis Land	27.88	Cons	Gift
1986	Lowell Cranberry Bog	Cranberry Bog	151.00	Cons/Rec	Town
1987	Bisbee	Bisbee Land	34.00	Cons/Rec	Town
1992	Macone	Macone Land	3.00	Cons	Deed
1994	Town Forest	Town Forest	71	Cons	Deed
1994	Gage Woodland	Gage Woodland	14.00	Cons	Gift
1994	MacAfee	MacAfee Land	15.00	Cons	Gift
1996	Malcolm	Malcolm Land	23.10	Cons	T, S, Deed
1997	Ice Pond	Ice Pond Parcel	7.05	Cons	Deed
1997	Carr	Carr Land	6.08	Cons	Town
1997	Deacon	Deacon Land	7.51	Cons	Town
1997	Sachs	Sachs Greenway	8.35	Cons	Town
1997	Sachs Parcel X	Sachs Greenway	0.99	Cons	Town
1998	Rockstrom	Rockstrom Land	7.55	Cons	Deed
1998	Swanson	Swanson Family Land	3	Cons	Gift
1999	Wang-Coombs	Hutchins Field	16	Cons/Ag	Town
1999	Wang-Coombs	Robbins Field	18.45	Cons/Ag	Town
2000	Buttrick Woods	Buttrick Woods Land	13.97	Cons	Deed
2000	Hart Farm	Hart Farm Land	13.54	Cons	Deed
2000	Great Brook Estates OS 1	GBE Open Space 1	3.67	Cons	Deed
2004	Benfield Parcel A, Lot 4	To be determined	25.68	Cons	Town (CPA)

Cons – Conservation, Rec – Recreation, Ag – Agriculture

T – Town, S – Commonwealth of Massachusetts, F – Federal, Deed – Deed from Cluster Zoning, CPA – Community Preservation Act

Table 3: Commonwealth and Federal Lands in Carlisle

Name	Acres
Commonwealth of Massachusetts Great Brook Farm State Park (GBFSP)	998
U.S. Government Great Meadows National Wildlife Refuge	321
Total Acres	1,319

Table 4: Carlisle Conservation Foundation (CCF) Lands as of 1 May 2005 – Listed by Date

Land Name	Location	Year(s) Acquired	Acres	CR	Map-Parcel-Lot
CARLISLE					
Spencer Brook Reservation	off West Street	1960, 1962	20		5-11-0
Spencer Brook Reservation	off West Street	1960, 1962	8.5		5-12-0
Spencer Brook Reservation	off West Street	1960, 1962	3.0		5-14-0
Pages Brook Reservation	off Maple Street	1966	6		13-86-0
Ryan	off Acton Street	1967	9		18-14-0
Swanson Lot	Curve Street	1979	2.8		19-38B-0
Bates Farm Lot	Bedford Road	1982	6	•	22-73-G
Ember Lane Cluster	end of Ember Lane	1985	20.8		27-8-A&B
Pines Woodlot	off Curve Street	1986	10.4		29-3-0
Suffolk Lane Lot	Suffolk Lane	1991	0.236		10-28-P
Malcolm Preserve (w/TTOR)	Stearns Street	1996	10.61	•	9-29-1A
Clark Woodlot	off Morse Road	1996	8		27-9-0
Holmes-Avery	off Kimball Road	1997	5.37		29-32-10E
Poole Swamp	School Street	1998	15.20	•	8-1-0
Fleming Open Space	off 662 West Street	1999	5.5196		6-63-A
Erickson	off 237 Fiske Street	2000	3.7937		29-19-A
Benfield Lot Parcel C (in Part)	off West Street and Pope Road	2000, 2005	32.01	•	5-17-X
Benfield Lot Parcel D	off West Street and Pope Road	2000, 2005	16.67	•	5-19-B
Benfield Lot Parcel E	off West Street	2005	12.5	•	6-52-0 & 6-53-0
Taylor	off West Street	2001	3.42		6-61-2
Pannell	West Street	2001	11.61		6-66-1 & 6-60
Cote-Foster	Acton Street – Acton Line	2004	5.47		17-23-36
McCormick Connector	off Bellows Hill Road	2004	0.1816	•	2-24-1
BILLERICA					
Greenough	off Pauline Road	1962	8.22		93-1-0
Approximate Total			225.3		

Table 5: Properties with Conservation Restrictions (CRs) as of 1 May 2005

Year	CR#	Grantor	Grantee	Acres	Town land	Land Trust owned/public	Private	Comments
1974	1	J. & W. Davis	Town	17.50			17.50	revised in CR #34
1975	2	Valentine & Bridges	Town	4.00			4.00	
1975	3	Bickford & Simonds	Town	8.10			8.10	
1976	4	E.W. Chase	Town	0.54			0.54	
1976	5	A.E. Benfield	Town	[12.50]*		[12.50]*		superseded by CR #46
1977	6	A.E. Benfield	Town	[16.01]*		[16.01]*		superseded by CR #48
1979	10	E. & J. Bartlett	Town	49.30		0.18	49.12	
1979	11	J.R. Yonts, M.W. Davis	Town	23.20			23.20	
1981	12	Grant & Helene Wilson	CCF	9.90			9.90	
1982	13	Four Seasons Development	Town	3.01			3.01	Local CR, recalled from state
1982	14	Grant & Helene Wilson	CCF	9.00			9.00	
1983	15	Charles R. Rolando	Town	5.70			5.70	
1983	17	C.R.Rolando, Riverloft Tr.	CCF	2.50			2.50	
1983	18	Grant & Helene Wilson	CCF	27.50			27.50	
1988	21	L.J. Selig Comp. Inc.	Town	0.20			0.20	
1988	22	Carlisle Dev. Co., Inc.	Town	0.31			0.31	trail easement
1989	23	Fleming Corp.	Town	1.40			1.40	
1989	24	H.Raymond Goodman, Trustee	Town	0.25			0.25	trail easement
1992	25	Dudley & Bonnie Cunningham	Town	0.17			0.17	trail easement
1990	26	Mary-Wynne Berrong Davis	Town	3.00			3.00	w/trail easement
1991	27	Hayes Farm Partnership	Town	0.54			0.54	trail easement
1991	28	Charles Boiteau	Town	7.61	7.05		0.56	Local CR, Town owned
1992	29	Senkler	Town	2.40			2.40	trail easement
1995	30	Fifield & Susan Workum	Town	21.40			21.40	
n/a	31	J. & W. Davis	Town	n/a				
1996	32	Duane & Signy Johnstone	Town	6.00			6.00	w/trail easement
1996	33	John M. Swanson & William Costello, Trustees	Town	19.40			19.40	
1996	33A	same as above	Town	3.50			3.50	Local CR, some w/public trails
1997	34	James C. Davis, Jr. and Mary-Wynne Berrong Davis	Town	0.00			0.00	Revised CR#1, no new acreage
1996	35	John W. Ballantine	Town	6.00			6.00	w/trail easement
1997	36	Town	TTOR	126.40	126.40			Davis Corridor
1998	37	Jonathan & Winifred Sachs	TTOR	44.40			44.40	
1999	38	Seawright/Shohet/ Knight/CLT	CCF	13.60		6.00	7.60	
1999	39	George S. Reichenbach	CCF	2.30			2.30	
1999	40	Arthur & Eliz. Milliken	TTOR	4.40			4.40	
2000	42	Fred A. Rundlett	CCF	5.80			5.80	
2001	43	John & Eliz. Valentine	CCF	10.20			10.20	
2002	44	Janet Lovejoy	NEFF	20.20			20.20	
2001	45	Nielsen & Baker Realty Trust	TTOR	0.75			0.75	w/trail easement

CCF – Carlisle Conservation Foundation; TTOR – The Trustees of Reservations; NEFF – New England Forestry Foundation

continued on next page

Table 5: Properties with Conservation Restrictions (CRs) as of 1 May 2005 *(continued)*

<i>continued from previous page</i>								
Year	CR#	Grantor	Grantee	Acres	Town land	Land Trust owned/public	Private	Comments
2005	46	Cornish/Getchell	Town	12.50		12.50		overlays CR #5
2005	47	Cornish/Getchell	CCF	72.41			72.41	
2005	48	Cornish/Getchell/CCF	Town	48.68		48.68		portion overlays CR #6
2003	49	Dorothy E. Clark, et. al.	CCF	9.70			9.70	
2003	50	Grant M. Wilson	CCF	54.00			54.00	w/trail easement
2002	51	Janet Lovejoy	NEFF	35.70			35.70	
2004	52	Town – Estabrook Woods Buffer Lands	TTOR	67.55	67.55			
2004	53	CCF/TTOR – Malcolm Lands	Town	10.61		10.61		
2004	54	CCF – Poole Swamp	Town	15.20		15.20		
2004	55	Parker/Baxter	CCF	3.60			3.60	
		Total acreages		790.43	201.00	93.17	496.26	
2000	**	Ira Gould & Betsy Goldenberg	Gt. Bk. Estates Home. Assoc.	2.05			2.05	Recorded restriction/ Homeowners assoc.
2001	**	Hutchins/Robbins Conservation Land	Comm. of Mass.	34.45	34.45			State Agricultural Restriction
1997	**	Estabrook Woods	Harvard Univ.	94.63			94.63	Recorded Statement of Public Charitable Obligation
		Total acreages		921.56	235.45	93.17	592.94	
CCF – Carlisle Conservation Foundation; TTOR – The Trustees of Reservations; NEFF – New England Forestry Foundation * – The acres in CR #5 and CR #6 are not included in the total acreages because those acres are included in the newer, more restricted CR #46 and CR #48, respectively. ** – Special case that is not technically a Conservation Restriction but is provided with protection similar to a CR.								

Table 6: Lands in 61, 61A, or 61B

Owner	Location	Acres	61	61A	61B	Map-Parcel-Lot
Macrae	South Street	7.5	x			5-54-X
Larsen	South Street	14	x			5-56-X
Taylor	West Street	8.8	x			6-48-X
Taylor	West Street	43.3	x			6-54-X
Talbot	Russell Street	21	x			8-16-C
Woodward	Bedford Road	44.93	x			10-4-X
Zoll	Baldwin Road	36.41	x			14-40-0
Reichenbach	West Street	11.83	x			18-6-X
Walkey	Rockland Road	57.9	x			20-4-X
Senkler	off Curve Street	8.71	x			31-13-X
Elliot, R.	River Road	34.36		x		1-1-A-1
Holmes	off Skelton Road	5.4		x		1-3-Y
Gutheil, H.	Prospect Street	12.05		x		1-22-A-0
Hensleigh	West Street	7.58		x		6-45-Y
Taylor, J.	West Street	6		x		6-46-Y
Woodward, D.	Bedford Road	12.2		x		10-3-B
Woodward, D.	Bedford Road	2		x		10-17-Y
House 3 Realty	Concord Street	18		x		15-13-4
Clark Family R. Trust	Concord Street	17.57		x		15-14-0
Hamilton Family	Concord Street	19.5		x		15-30-0
Palmer	off Concord Street	5		x		15-34-Y
Valentine	Acton Street	18		x		17-18-y
Valentine	West Street	10.4		x		17-19-0
Valentine	Acton Street	40		x		17-22-y
Valentine	Acton Street	43.5		x		17-24-0
Valentine	West Street	15.5		x		18-23-Y
Sorli	Westford Street	27.06		x		18-1-0
Sorli	Westford Street	40.6		x		18-42-Y
Seawright	Bedford Road	11.84		x		22-68-y
Shohet	Bedford Road	9.9		x		22-69-E
Japp	Bedford Road	8		x		22-81-0
Workum	Maple Street	19.2		x		24-4-y
Blanchette	Rutland Street	10.45		x		26-20-1
Gilbert	South Street	13.64			x	7-8A-Z
Andreassen	off Concord Street	6			x	7-47-Z
Walsh	School Street	5.01			x	8-1F-Z
Jewell	Stearns Street	2			x	14-14-2
Boiteau	Aberdeen Drive	6.74			x	26-6L-Z
Urban	North Road	3			x	35-16-Z
Urban	North Road	16.41			x	35-21-Z
Wraywood Realty Trust	off Rutland Street	14			x	35-22-11

Table 7: Five-Year Action Plan Property Protection Priority List (≥10 acres)

Rank	Map 7 ID#	Owner	Location	Acres	61	61A	61B	Map-Parcel-Lot
1	1	Valentine	Acton St./West St.	147.5		p		17-18-Y; 17-19-0; 17-21-0; 17-22-Y; 17-4-0; 18-23-Y
1	2	Sorli	Westford Street	71.7		x		18-1-0; 18-42-Y
1	3	Wilson	Westford St./Curve St.	133.5				19-37-X; 19-39-X; 19-40-A; 19-40-X
1	4	Woodward, W.	Maple Street	44.9	x			10-4-X
1	5	West Isle (Bates)	off Bedford Road	38.0				22-72-A; 74-0; 76-1
1	6	Walkey, J.	Rockland Road	59.9	x			20-4-X
1	7	Elliot	River Rd./Skelton Rd.	36.4		x		1-1-A-1
1	8	Richardson	Skelton Road	18.1				1-2-A-2
1	9	Anderegg	Bedford Road	38.9				11-1-0
1	10	Talbot	Russell Street	36.0	x			8-16-C
1	11	Frizzell	East Riding Drive	19.5				23-58-0
1	12	Ward	Cross Street	60.9				7-21-A; 7-37-X; 7-38-X
1	13	Zoll	off Baldwin Road	42.6	p			14-24-0; 14-35-7; 14-36-0; 14-40-0; 14-41-0; 14-42-0; 14-43-6
				747.9				
2	14	Shohet	Bedford Road	16.0		x		22-69-E
2	15	Lind	Mill Pond Road	14.5				31-13A-0
2	16	Hamilton	off Concord Street	21.5		x		15-30-0
2	17	Seawright, R.	Bedford Road	13.8		x		22-68-Y
2	18	Barbour	Skelton Road	10.6				11-8-6
2	19	Kiel	South Street	14.3	x			5-9-A
2	20	Woodward, D.	Maple Street	14.2		x		10-3-B
2	21	Japp	Bedford Road	10.0		x		22-81-0
2	22	Senkler	off Curve Street	10.7				31-13-X
2	23	Hannaford	Prospect Street	26.0				2-4-0
2	24	Erickson	Lowell Street	12.2				33-7-0
2	25	Flannery	off Baldwin Road	13.0				2-11-0
2	26	Wraywood	off Rutland Street	14.0				35-22-11
2	27	Zinke	Concord Street	10.0				4-3-0
2	28	Howe	off Rutland Street	21.0				36-26-0
2	29	Gormely	Westford Street	11.8				19-41-0
2	30	Meehan	Concord Street	12.0				4-11-0; 4-21-0
				245.6				
<p>x - total property p - partial property</p>								
<i>continued on next page</i>								

Table 7: Five-Year Action Plan Property Protection Priority List (≥10 acres) (continued)

<i>continued from previous page</i>								
Rank	Map 7 ID#	Owner	Location	Acres	61	61A	61B	Map-Parcel
3	31	Ansara	Lowell Street	12.6				21-6-0
3	32	Cox	Wildwood Drive	21.0				6-27-0
3	33	Brophy	West Street	10.3				6-66-0
3	34	Taylor, Spencer	West Street	20.0				6-57-0
3	35	Rontondo	Concord Street	22.8				8-10-B
3	36	4 Corner	Acton St./ West St.	11.1				17-25-4
3	37	Urban	North Road	18.4			x	35-21-Z
3	38	Gilbert, P.	South Street	19.8			x	7-8A-Z, 7-8-A
3	39	Larsen	South Street	16.0				5-56-X
3	40	Luther	School Street	10.8				8-27E-8
3	41	Carter	Brook Street	12.6				13-4-6
3	42	Renfroe (ATC)	South Street	18.3				7-40-0
3	43	Fields	Bedford Road	12.0				22-88-K
3	44	Longley	Nickles Lane	18.4				25-15-2
3	45	Koski	Nathan Lane	10.1				20-23-0
				234.2				
4	46	Edwards	Westford Street	19.0				20-9-0
4	47	Gutheil	Prospect Street	14.0			x	1-22A-0
4	48	Holleman	Shady Brook Lane	15.9				22-79-BC
4	49	Briscoe, M.	East Street	12.0				25-20-B; 25-21-C
4	50	Reichenbach	West Street	13.8	x			18-6-X
4	51	Battista	North Road	13.1				36-20-0
4	52	Bojanic	Clark Farm Road	10.0				15-18-1A
4	53	Koning	Acton Street	13.1				16-49-3
4	54	Furneaux	off South Street	16.5				4-40-BB
4	55	Lucier	North Road	11.0				36-7B-8
4	56	Michael Valchuis	Berry Corner Lane	11.0				6-1-0
4	57	Blanchette	Rutland Street	12.4		x		26-20-1
				161.8				
x - total property p - partial property								

Table 8: Open Space Created by Cluster Developments

Development	Number of Lots	Total Acreage	Open Space Acreage	Percent (%) Protected	CR	Owner
Ember Lane	5	35	20.8	59		CCF
Clark Farm	4	80	43	54	•	House 3 Realty Trust
Ice Pond	7	23	7.05	30	•	Town
Fifield Workum	3	30	21.4	70	•	Greenough Pond Realty Trust
Rockstrom	3	17	7.55	44	•	Town
Buttrick Woods	13	43	13.97	32	•	Town
High Woods	5	17.6	5.52	31		CCF
Hart Farm Estates	12	44	13.54	31		Town
Great Brook Estates	6	18.9	5.7	30		GBE 1 (3.67 acres) – Town GBE 2 (2.05 acres) - Homeowners Assoc.
Total	58	308.5	138.53	45		

CCF – Carlisle Conservation Foundation; CR – Conservation Restriction; GBE – Great Brook Estates

Table 9: Properties of the Greater Estabrook Woods in Carlisle (acres)

Town of Carlisle	194.0
Malcolm Land	23.10
Carr	6.08
Deacon	7.51
Rockstrom	7.55
Sachs Greenway	9.34
Buttrick Woods	13.97
Davis Corridor	126.40
Carlisle Conservation Foundation	25.8
Poole Swamp	15.20
Malcolm Preserve (with TTOR)	10.61
Private Owner Permanent Restrictions	193.5
Bartlett Farm	49.3
Sachs	44.4
Harvard College	94.63
Milliken	4.4
Nielsen/Baker	0.8
Total Acreage	413.3
TTOR – The Trustees of Reservations	

Table 10: Conservation and Recreation Properties and Facilities in Carlisle

Property	Location	Owned	Managed	Facilities, Features*
Banta-Davis Land	304 Bedford Road	Town	RecCom/ School	Baseball field, softball field, all-purpose field, track, fitness cluster
Benfield Land	South Street	Town	ConsCom	Open meadow
Bisbee Land	Concord Street	Town	ConsCom	Ag field, rough forested trail
Buttrick Woods Parcel	Concord Street	Town	ConsCom	None
Carlisle School	Church Street	Town	School	Corey Gym, paved plaza, Carlisle Castle playground (facilities used by RecCom)
Carr Land	off Bellows Hill Rd	Town	ConsCom	Rough trail
Cranberry Bog	750 Curve Street	Town	ConsCom	Hiking/x-c skiing, interpretive signage
Davis Corridor	Bedford Rd/Stearns St	Town	ConsCom	Rough trails
Deacon Land	off Baldwin Road	Town	ConsCom	Wetlands
Diment Park (at School)	Church Street	Town	RecCom	Tot lot playground, 2 paved tennis courts
Estabrook Woods	off Kibby Place	Harvard U.	Harvard U.	Rough trails
Fiske Meadow	Lowell Road	Town	ConsCom	Wetlands, Ag field
Foss Farm	Bedford Road	Town	ConsCom	Ag fields, pony rings, community gardens, trails, sled-dog training
Fox Hill	Bedford Rd/Stearns St	Town	ConsCom	Ag fields, forested wetlands
Gage Woodland	off Ember Lane	Town	ConsCom	Upland forest
Great Brook Estates O.S. #1	off Rutland Street	Town	ConsCom	Rough trails connect to state park trails
Great Brook Farm St Pk [includes Carlisle Pines St Pk (CPSP)]	Lowell/North Roads, CPSP: Forest Park Dr.	State	DCR	Pavilion, farm, picnic tables, ice cream stand, interpretive programs, x-country skiing rentals/trails, ponds, restrooms, hiking/biking trails, CPSP: rough trails
Greenough Land	Maple Street	Town	ConsCom	Rough trails, Ag fields, ponds
Greenough Land	Riveredge Rd (Billerica)	CCF	CCF	Rough trails, wetland
Hart Farm Property	off Curve Street	Town	ConsCom	Rough trails, forested wetlands
Heidke Land	off Brooke Street	Town	ConsCom	Wetlands
Hutchins/Robbins Fields	Curve/Fiske Streets	Town	ConsCom	Ag fields
MacAfee Land	off Hutchins Road	Town	ConsCom	Rough forested trail
Macone Property	off Bedford Road	Town	ConsCom	Wetlands
Malcolm Preserve	Stearns Street	CCF/TTOR	CCF/TTOR	Trails, meadow
Mannis Land	off Aldershot Lane	Town	ConsCom	Rough trails, wetlands
O'Rourke Parcel of Great Meadows NWR	off Bedford Rd/Maple St	USGovt	USFW Service	Rough trails, woods, meadows
Poole Swamp	School Street	CCF	CCF	Rough trail, wetland
Rockstrom Parcel	School Street	Town	ConsCom	Rough trail, wetland
Sachs Greenway	off Baldwin Road	Town	ConsCom	Rough trail, wetland
Spalding Field	Church Street	Town	RecCom	3 Baseball/softball fields (also used for soccer, field hockey)
Spencer Brook Res.	South/West Streets	CCF	CCF	Rough trails, meadow
Swanson Land	Curve Street	Town	ConsCom	Rough trail, wetland
Swanson Family Land	Barnes Place	Town	ConsCom	Rough trails
Towle Land	Westford Road	Town	ConsCom	Rough trails, meadow
Town Hall	Westford Road	Town	Town	Space used by RecCom
Town Forest	East Street	Town	ConsCom	Rough trails

Ag – Agricultural; CCF – Carlisle Conservation Foundation; TTOR – The Trustees of Reservations; NWR – National Wildlife Refuge
DCR – Department of Conservation and Recreation (MA); USFW Service – U.S. Fish & Wildlife Service
* See Table 11 for Handicap access, parking, & condition. For access and specific locations of these properties, see maps in Appendix C.

Table 11: Accessibility of Conservation and Recreation Lands in Carlisle

Property*	Wheel-chair Access	Parking Spaces/ Handicapped	Accessible Public Structures**	Comments	Condition of Facilities
Banta-Davis Land		85/0		Unpaved parking lots (Bedford Rd)	Excellent
Benfield Land					
Bisbee Land				Roadside parking (Concord St)	
Buttrick Woods Parcel					
Carlisle School	Yes	85/5	Corey Gym, paved plaza	Carlisle Castle playground not accessible	Good
Carr Land				Landlocked	
Cranberry Bog		7/0		Roadside parking area, unpaved parking lot (Curve St)	
Davis Corridor				Parking lot (Stearns St)	
Deacon Land					
Diment Park (at School)		85/4		Facilities not accessible	Good
Estabrook Woods				Roadside parking (Kibby Pl.)	
Fiske Meadow					
Foss Farm	Limited	40/1	Community gardens	Unpaved parking lot (Bedford Rd)	Good
Fox Hill				Roadside parking (Stearns St)	
Gage Woodland				Landlocked	
Great Brook Estates O.S. #1					
Great Brook Farm St Pk [includes Carlisle Pines St Pk (CPSP)]	Yes	100/4	Farm, picnic area, ice cream stand, cross-country skiing rentals	New facilities, paid parking lots (Lowell and North Rds), CPSP: trail head parking (Forest Park Dr)	Excellent
Greenough Land (Town)				2 unpaved parking lots (Maple St)	
Greenough Land (CCF)				Roadside parking (in Billerica)	
Hart Farm Property				Trailhead pkg spot (Hart Farm Rd)	
Heidke Land					
Hutchins/Robbins Fields				Roadside parking (Curve St)	
MacAfee Land				Landlocked	
Macone Property				Landlocked	
Malcolm Preserve	Yes	6/1	Universally accessible trail	Parking lot (Stearns St), accessible space is crushed stone	Excellent
Mannis Land					
O'Rourke Parcel				Landlocked	
Poole Swamp					
Rockstrom Parcel					
Sachs Greenway					
Spalding Field	Yes	44/2	3 ball fields	Angled parking (along Church St)	Excellent
Spencer Brook Res.				Roadside parking (West St)	
Swanson Land					
Swanson Family Land				Roadside parking (Barnes Pl)	
Towle Land		15/0		Unpaved parking lot (Westford Rd)	
Town Hall	Yes	20/3	Classroom space		Excellent
Town Forest				Roadside parking (East St)	

* See Table 10 for Location, Ownership, Management, and Facilities/Features. For access and specific locations of these properties, please consult maps in Appendix C. **See Appendix G for a discussion of ADA self-evaluations.

