
NATURAL RESOURCE INVENTORY

OF

HARRISVILLE, NH

SEPTEMBER 26, 2013



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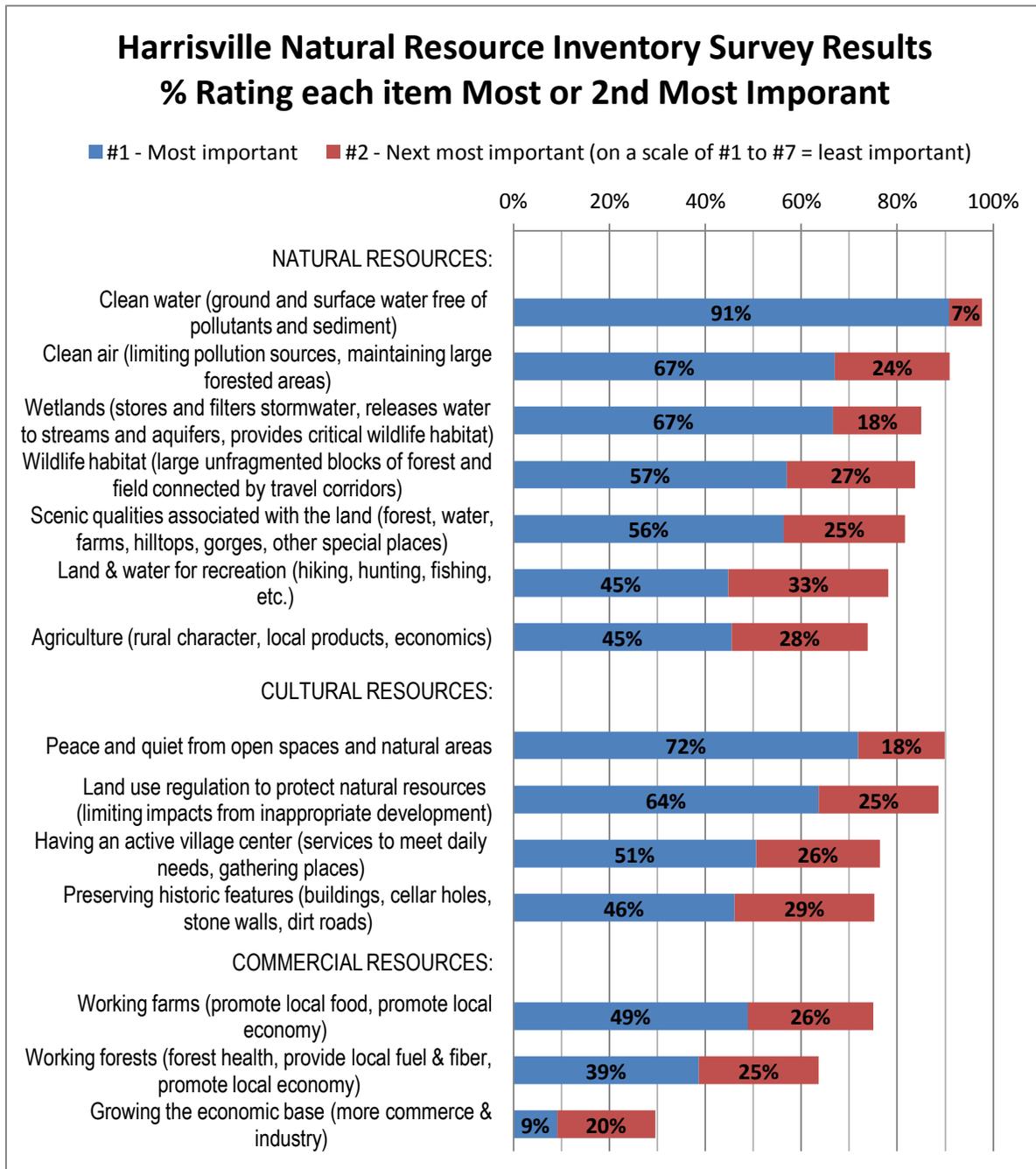
APPENDIX A

**SURVEY - SAMPLE SURVEY, DATA TABULATIONS,
VERBATIM COMMENTS**

HARRISVILLE NATURAL RESOURCE INVENTORY COMMUNITY SURVEY

The Harrisville Natural Resource Inventory working group conducted a town-wide survey of resident attitudes toward various aspects of our natural resource heritage. Between July, 2012 and October 2012 surveys were gathered at Old Home Days, during three workshops on various aspects of the natural community, at two distribution locations (Harrisville General Store, Harrisville Town Hall) and by direct mail to every household with a Harrisville mailing address (nearly 500 homes). In total, 89 residents participated in the research.

The 4-page survey included ratings for the importance of 14 aspects of our resource heritage. Ratings were provided for various aspects of our natural resource base (water, land and air quality, wildlife habitat, recreational and agricultural resources). To put natural resource ratings in context, ratings were also gathered for Harrisville's cultural and commercial resources. These ratings are summarized in the chart below:



NATURAL RESOURCE ATTRIBUTE IMPORTANCE RATINGS

Results of the NRI survey are striking, to say the least. There is overwhelming support for maintaining the quality of Harrisville's water, land and air quality resources, and for retaining the pastoral, scenic qualities that emerge from the peace and quiet of open spaces and natural areas.

In a town with over 20 bodies of water there is near-universal agreement that **Clean water** (ground and surface water free of pollutants and sediment) is important to the town. Nine in ten respondents rate this one attribute the single most important aspect of our natural resource quality, and all but one respondent (98%) report Clean Water as their most important or second-most important town resource.

Following closely behind clean water are ratings given to preserving **Clean air** (limiting pollution sources, maintaining large forested areas), which is rated as #1 or #2 by nine in ten respondents (91%, and #1 by 67%), and to **Wetlands** (stores and filters stormwater, releases water to streams and aquifers, provides critical wildlife habitat) (85%, and #1 by 67%).

All other natural resource attributes were also considered important by a large majority of respondents, including **Wildlife habitat** (large unfragmented blocks of forest and field connected by travel corridors), **Scenic qualities associated with the land** (forest, water, farms, hilltops, gorges, other special places), **Land & water for recreation** (hiking, hunting, fishing, etc.), and **Agriculture** (rural character, local products, economics), each of which received #1 or #2 ratings from between 74% and 84% of town residents.

CULTURAL RESOURCE ATTRIBUTE RATINGS

Harrisville's cultural environment is similarly highly valued by residents. Nearly all (nine in ten) provide #1 or #2 ratings for

two cultural resources closely related to our natural resource base: **Peace and quiet from open spaces and natural areas** (90% rate it #1 or #2, and 72% rate it #1), and **Land use regulation to protect natural resources** (limiting impacts from inappropriate development) (89% rate it #1 or #2, and 64% rate it #1).

Slightly lower but still strong cultural ratings were given to Harrisville's historic character. **Having an active village center** (services to meet daily needs, gathering places) and **Preserving historic features** (buildings, cellar holes, stone walls, dirt roads) are both rated #1 or #2 by three-fourths of survey respondents.

COMMERCIAL RESOURCE RATINGS

Two of three commercial resource ratings are also highly valued by the community: three-fourths rate **Working farms** (promote local food, promote local economy) and two-thirds rate **Working forests** (forest health, provide local fuel & fiber, promote local economy) as most or second-most important.

The only attribute that did not garner high ratings among Harrisville residents is **Growing the economic base** (more commerce & industry). Just under one in three (30%) rated this item as #1 or #2 in importance, and only one in ten (9%) rated it as #1. It may be conjectured that for most residents Harrisville is their pastoral retreat from economic life, and that residents turn outside the community for economic resources.

MAPPING HARRISVILLE'S IMPORTANT NATURAL RESOURCE LOCATIONS

Two pages of the survey were devoted to a town map, and respondents were asked to identify up to five most valued locations in town and their reasons for citing them. In addition, a special booth was set up at Harrisville Old Home Days in July 2012, where visitors were also invited to identify their special places on a community map and note their reasons for citing them. Many are located around our community's lakes and ponds, others are specific unique places (e.g., Eliza Adams Gorge, scenic wooded hilltops, the town beach). Below are the special places identified.

Feature	Description
139 Hancock Rd	Our lakeside (over 540 feet) on Lake Skatutakee which is very laidback
16 Dion Grove St	Our home plus its very recreational. Boats abound-fast, conoes and kayak!
24 Dion Grove Rd	Just love it here! at our cottage
26 Dion Grove Rd	my favorite place for relaxation, clean water!
Active Town Center	Historic and essential
Aldworth Manor	Historic, scenic, quiet, economic/agriculture- produce, sugarhouse, bakery, blueberries
All bodies of water	
All the Woodlands	Scenic and wildlife habitat
All Watersheds	Critical for high quality lake water, storm water mgmt, wetlands, springs, aquifers, wildlife
Aquifer	& wildlife
Aquifer	Water collection and runoff, protection to lakes
Area surrounding Town Center	Town beach, library, church, general store, children center, mill store, rental properties
Audrey's	What else is there really?
Beach at tip of Island Cemetery	scenic, habitat, water, private
Beaver pond in woods off railroad end of Broom Rd	scenic, water, habitat
Beech Hill	Hiking Trails, Preserved land, open views of Monadnock on Old Harrisville Rd.
Beech Hill	Nice hiking to views
Beech Hill	Partnering with neighbors to preserve large intact areas for recreation, wildlife, scenic, resources, etc.
Blood Hill Area	Large trust (400+ acres) of land that must remain undeveloped, special wild area
Blood Hill Area	Wild forest, 400 acres of land that must remain undeveloped
Blueberry Hill + Monadnock View	quiet, beautiful view, bluberry picking Jul-Aug
Breed Rd	Breed Rd-Nelson Rd bike ride
Broom Rd. + Seaver	Habitat
Buildings	Scenic views, great property with special buildings (some in disrepair)
Cabot Rd	I live there / peaceful
Cemetary	Scenic beauty and historical significance
Cemetery beach in honor of John Colony	love to sit and view lake and sunset, loons too!
center of Village	welcoming of Children at center in Boodern(?) house
Center of Village	
Chesham	Historic, Scenic
Chesham	
Chesham Deopt	where I grew up - home
Chesham Depot	Could be developed commercially around school, so many old buildings, near Keene
Chesham Depot	Historic feature of days gone by
Chesham Pond	Great Place to live, recreation with motor boats, etc. Canoe, kayak, and sailboat friendley
Chesham Pond	Great recreational area
Chesham Pond	let's keep the water clean, loons are back
Chesham Pond	None
Chesham Pond	Recreation, wildlife, water

HARRISVILLE NATURAL RESOURCE INVENTORY COMMUNITY SURVEY

Chesham Pond	Scenic, clean, lots of wildlife, quiet
Chesham Pond	walking/watching
Chesham Pond	Wildlife habitat
Chesham Pond	Wildlife habitat and recreational area
Chesham Village	And adjacent agricultural fields and pastures
Chesham Village	Historic, Picturesque
Childs Bog	Habitat, hiking
Childs Bog	Natural looking environment, good wildlife habitat
Childs Bog	Quiet, clean, pretty
Childs Bog	Scenic, wildlife, rec/boat
Childs Bog	Wildlife habitat
Childs Bog	Wildlife habitat, scenic
Child's Bog	fishing/viewing
Child's Bog	its my life
Child's Bog	none
Child's Bog	None
Child's Bog	Pretty Area
Child's Bog	Recreation wildlife, water
Child's Bog	Scenic, Undistured, Wildlife habitat
Churches	none
Clymer	Blow Down
Cob Hill	Top of the world, view of Monadnock, scenic
Cob Hill Rd.	love it!
Cob Hill to Nubanusit	walk, habitat, beauty
Community Garden	agriculture, fosters community, scenic
Community Garden	none
Community Garden	None
Conservation	
Conservation Land	All public and conservation land, Need to keep housing developers away
Conservation Land	Near town center
Conservation Land	Really love having a local place that you can hike, kayak, see natural beauty, and only minutes from home
Conservation land	Used for recreation now posted!
Conserved Land	examples of large unfragmented habitat great for wildlife, hilly ledge/ wet land, not suited for development
Conserved Land	Walks, wildlife, habitat
Derby Hill, Silver Lake	Peaceful part of the lake
Derby Hill, Silver Lake	tranquility, beauty, family and lovely memories
Dion Grove	hana's house-cottage 1973, water, fishing, tubing, boating
Dion Grove	swimming, fishing, boating, tubing
Down Town	Just a joy to drive through everyday, Great place for a short walk in history.
Downtown	General store, library, mill buildings, community gathering places, vibrant, historic center, Old Home Days and every day
Downtown Harrisville	Harrisville general store, historic, scenic, food
Downtown Harrisville	Historic Buildings
Eastside Road	
Eastview	beautiful land, much protected in conservation, wildlife, hiking, beautiful streams
Eastview	biking on Cob Meadow Rd., scenery
Eastview	Important aquifer
Eastview	Nubanusit water course-historci, scenic, wildlife habitat (town sand)
Eastview	Scenic beauty and protected woods for wildlife

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Eastview

Eastview Habitat	conservation lands, wildlife, privacy
Eliza Adams Gorge	A little known special scenic gorge on the M + S trail
Eliza Adams Gorge	A lovely walk
Eliza Adams Gorge	And Howe Reservoir Dam, a regular family outing and a secluded swim spot
Eliza Adams Gorge	and Monadnock-Sunapee Greenway Trail
Eliza Adams Gorge	And trail to it, A mini-natural wonder. Great place for a hike especially with visitors.
Eliza Adams Gorge	Beautiful, natural environment, passive recreation
Eliza Adams Gorge	Hiking
Eliza Adams Gorge	incredible waterfalls and nature
Eliza Adams Gorge	Lovely, Monadnock-Sunapee Trail
Eliza Adams Gorge	Natural beauty and few frequent the area. The hike is short and sweet.
Eliza Adams Gorge	Peaceful and beautiful
Eliza Adams Gorge	Peaceful and beautiful
Eliza Adams Gorge	Russel Reservoir to Homes Reveroir, recreation, scenic trail
Eliza Adams Gorge	scenic habitat, peaceful
Eliza Adams Gorge	Scenic, habitat, water, husbands favorite spot!
Eliza Adams Gorge	scenic, water
Eliza Adams Gorge	Should be protected; try to purchase the piece of land West of Peter Allens
Eliza Adams Gorge	Unique falls between Howe Res. and Russell Pond
Eliza Adams Gorge	Water quality and great hiking.
Eliza Adams Gorge	Wildlife Corridor, scenic, recreation
Eliza Adams Gorge	
Eliza Adams Gorge	
Eliza Adams Gorge	
Eliza Adams Trail	Beautiful, accessible, quiet, excellent for hiking + meditation
Eliza Gorge	beauty, walk
Eliza Gorge	Superb walking area with scenic vistas and abundance of wildlife.
Farwell Farm	Local food
Fields	View of Mt Monadnock, working field for agriculture
For Sale!	This piece of land has been for sale for a couple of years now. How about putting it into an easement so it doesn't get developed!!
Forest/Water	& lake protection
General Store	Necessary for keeping community alive and connected
General Store	Social capital center of town plus fabulous food
General Store	The meeting place for all of Harrisville- coffee, breakfast, paper, plus the post office
Goose Brook	runs behind our house, water, peace, habitat
grandmas house, surrounding	conservation landhabitat, open safe area for children to discover nature
Great blue heron rookery	special birding place
Great Meadow	Flood control, recreation, wildlife
Great Meadow	Flood control, recreation, wildlife habitat, connecting Harrisville Pond to Nubanusit
Great Meadow	none
Great Meadow	none
Great Meadow	None
Great Meadow	Scenic, natural resources, wildlife, recreational wetlands
Great Meadow	Wildlife and scenic beauty and recreation
Great Meadow	Wildlife, scenic beauty, recreation
Gun Club Field	Recreation, gatherings, etc.
Harrisville	Keeping overall area scenic and Rustic is very important since that is why we summe rhere- plus grandchildren.

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Harrisville	Scenic, postcard-perfect town. General Store as a community gathering place. Harrisville designs and artist studios for culture.
Harrisville General Store	A great place for meeting up with fellow residents and is run by very special people.
Harrisville General Store	Necessary for keeping community alive and connected
Harrisville Historic Center	none
Harrisville Historic Center	None
Harrisville Pond	(and Harrisville Store)
Harrisville Pond	A beautiful area with an amazing habitat at the north end. Let's conserve what's left of the undeveloped shoreline!
Harrisville Pond	Beautiful vistas, nice boating, fishing, adds to beauty of the village
Harrisville Pond	Best spot on Earth
Harrisville Pond	Clean Water for our children to swim in and so beautiful
Harrisville Pond	clean water, scenic view of Monadnock
Harrisville Pond	Clean, recreational area, beautiful town setting
Harrisville Pond	For swimming at beach, the big march at top of lake- wildlife habitat.
Harrisville Pond	grandma house and swimming + boating
Harrisville Pond	grew up there, sunset beach, swimming
Harrisville Pond	Historic and scenic
Harrisville Pond	None
Harrisville Pond	Part of town character
Harrisville Pond	Past beaver dam on north side
Harrisville Pond	Provides everything!! Recreation, scenic beauty, a place to socialize with friends.
Harrisville Pond	Quiet splace on the lake
Harrisville Pond	Scenery, Sunset Beach
Harrisville Pond	Scenic, Important wildlife habitat, recreational area
Harrisville Pond	Scenic, wildlife, recreation/boat, center of our town
Harrisville Pond	sunset beach, swimming
Harrisville Pond	sunset beach, swimming, fireworks
Harrisville Pond	Swim and kayak, explore top of lake
Harrisville Pond	swimming
Harrisville Pond	swimming +kayaking "top of pond"
Harrisville Pond	swimming and floating
Harrisville Pond	Swimming and kayaking
Harrisville Pond	swimming at sunset beach
Harrisville Pond	To see our neighbors, water skiing, kayaking, or canoeing, plus catching fish
Harrisville Pond	Town Beach
Harrisville Pond	water for swimming, boating, wildlife and habitat, scenic, bird watching
Harrisville Pond	
Harrisville Pond (my private beach)	swimming, boating, sunset, peaceful, water quality, scenic
Harrisville Pond (South)	Love the view and air, worrYSome about the water weed proliferation. Love Leslie's garden.
Harrisville Pond and Village	Recreation, wildlife, water, historic interest, general store, community center
Harrisville Pond and Village	Scenic, Historic, Could be developed a bit more commercially
Harrisville Pond sunset beach	swimming, hang out with friends
Harrisville Pond/othe water resources	Beautiful, plentiful, clean water makes the town very special.
Harrisville Skatutakee Spring	clean water!
Harrisville Town Center	Store, weaving center, mills with offices

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Harrisville Village	Commerce and community, general store
Harrisville Village Center	Quaint history, culture, gathering place, activities
Harrisville's Mill Village	The most picturesque village in NH. History! Community! I love it.
Hiking Resources	Blood Hill, Skatutakee, Thumb hiking trails
Hill above town, spring	habitat wildlife - undeveloped beauty
Hill on N. Side of Skatutakee	Beautiful view from Skatutakee Rd.
Hill/meri/can	peaceful, getaway, view of Mt.
Illegible??	
Inlet to Skatutakee Lake	bird nests, marsh land, habitat, wildlife
Island on west side of Silver Lake	secluded, beauty, swimming, protected
Jacob's Farm	Open fields etc.
Jay Jacobs Farm	Locally raised beef and poultry. sales on the honor system and very old world feel to farm. Lovely surroundings.
Keough Property Driveway	Railroad bed-private! Family owned since 1947, peaceful, scenic, serene, deepwoods, privacy!
Lake Skatutakee	Great place for beauty, recreation, water, and lake features
Lake Skatutakee	high quality water, spring, wildlife, beauty, canoeing/kayaking
Lake Skatutakee	Live there-tranquil
Lake Skatutakee	Scenic, wildlife, recreation/boat, "center"
Lake Skatutakee	Walk around
Lake Skatutakee Area	
Lake Skatutakee Dam	No dam, water level in Skatutakee Lake and Lake Skatutakee is much lower
Leslie's garden! on the canal	beauty, display, scenic
Library	Meeting place, good books and videos, use of computer and printers, scenic beauty and historic beauty
Loons nesting on Silver Lake	birding, beauty
Macveagh Rd	biking + scenery
Macveagh Rd	Natural beauty, farmland, dirtroad
Macveagh Rd	Rural, quiet, lots of wildlife
Macveagh Road	The tunnel effect with no power lines should be preserved
Marsh	Pristine beauty
Mason Rd	Open roads with views of fields and Mt. Monadnock, good for easy walks
Mason Rd.	Nice open views of Mount Monadnock
Mason Road	Fields and view of Monadnock working field for agriculture
Mason Road	Have you examined Harrisville's six historic Districts, with descriptions and statements of significance in the inventory and nomination forms??
Mason road fields	view of Monadnock
Meadow	And watershed to Harrisville Pond
Meadow	habitat, beauty, wetlands
Meadow	Water-Aquifer
Meadow at top of Prospect Hill	plants, habitat, view of mountain, birds
Meadow near Kathy Ballereeds house	Scenic beauty, (Mt. Monadnock) birds nesting place and wildflowers
Meadow Rd	Scenic
Meadow Rd	Wetlands, important wildlife habitat, scenic
Meadow Rd Area	Miniwawa watershed, willand hill, natural habitat/hiking trail
Meadow Road	One of the prettiest meadow spots in town
Meadows	Gorgeous
Meadows	Wetlands between Harrisville Pond and Nubanusit
Merri field	view of Monadnock, peaceful
Mill Village	working village and beautiful
Mini Minnewawa stream	scenic, wildlife

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Misquito Bush	Historic millsite, wildlife habitat, wetland
Monadnock/Sunapee Greenway	Greenway along Child's Bog, Seaver Rd, Silver Lake, Eliza Adams Gorge, a unique, beautiful resource
Monadnock/Sunapee Trail	Recreation
Mosquito Bush	Highlights importance of wetlands, particularly enjoy the marsh above the beaver dam of Harrisville Pond, accessible by kayak-MAGIC.
Mount Missionary	quiet, remote, habitat, water
Mt. Skatutakee	Wildlife, recreation, scenery
My Eastview Home	I love living here!
My home on Harrisville Pond	scenic, ambiance, old house, historic aspects, habitat
my house above the beach (sunset)	swimming, swings, merrigoround, scenic
My land	Conservation and my home
Near Willard Hill Rd	Development area, space to expand village, parking, etc?
Nelson Rd on Harrisville Pond	scenery, water, habitat
North Pond	Unique wildlife habitat at conservation edge
North Pond (Skatutakee)	wildlife, habitat, boating (kayak)
Old Chesham Depot	I love the old Chesham Depot and when the sheep are in residence
Old Railroad bed at end of Skatutakee Rd.	walking, scenic, walk around lake, needs to be as public as it has always been!
Old RR Trail	For Recreation
Open space and swamp land	Critical species area
our hill/meadows	the view and peace and quiet
Our Working Farms	Wellscrot/Mayfair/Jacob/Farwell and all the smaller ones- what a treasure! Also the community garden.
Peanut Row	none
Peanut Row	None
Peanut Row	walk on dirt rd, beach, scenic water
Peeper Wetland	
Pond Marsh and Beaver Dam	none
Pond Marsh and Beaver Dam	None
Possible Development	Possible site to develop for economic business
Public Beach	None
Public Beach	None
Public/Conservation Land	
Rail path in Chesham	scenic beauty, walking, habitat, preserved history
Rail Road Bike Path	
Rail Trail	And other hiking trails, wonderful wildlife, recreation, hiking, biking, skiing
Rail Trail	Excellent idea!
Rail Trail	From Brown Road to Jacquithe Road important to regain public access to rail at end of Skatutakee
Rail Trail	Great hiking, and xcskiing without intrusion of motorized vehicles
Rail Trail	I love to bike this path
Rail Trail	Just a nice place for a walk, run, or ski.
Rail Trail	Love to bike this path
Rail Trail	Need to open up railway walk around Skatutakee
Rail Trail	Need to open up railway walk around Skatutakee
Rail Trail	Needs to complete rails to trails piece
Rail Trail	Old railroad trail off Brown Rd to Main St. by Harrisville Depot, historic and scenic
Rail Trail	Preserved as a recreational resource for public use
Rail Trail	Wetlands, quiet road and old railroad trail for easy and pleasant walking, beautiful environment, open space

HARRISVILLE NATURAL RESOURCE INVENTORY COMMUNITY SURVEY

Rail trail (Chesham Rd/Main St to Brown Rd)	walking/running
Railroad Bed Area	For recreation
Rails to trails	walking, scenery, habitat, lets extend to Keene + town
Road Network	Good biking, exercise, woods walks, hiking
Road Views	Open space views from roads; Dublin Rd, Nelson Rd, Breed Rd, Chsham Rd, Brown Rd.
Rosemary	connection with mountain and Seaver Reservoir
Rosemary Trail	Hiking trail
Rosemary Trail	Historic and scenic
Rosemary Trail	Like to have trails in town to hike
Rosemary Trail	scenic habitat undeveloped
Rosemary Trail	See above statement
Rosemary Trail	walking, habitat, scenery
Rosemary Trail	
Rosemary Trail	
Rosemary Trail + Breed Rd.	Habitat of wildlife
Rosemary Trail/Seaver Reservoir	Scenic visit, walking trail, passive recreation, wildlife
Roxbury Rd	Scenic (especially when the sheep graze), historic (depot and sheep farming) great flat road to take short family bike ride or walk
Russel Reservoir	Recreation, Wildlife Corridor
Russel Reservoir	Scenic, Important wildlife habitat, recreational area
Russel Reservoir	
Russel Reservoir Beach	
Russell Reservoir	none
Russell Reservoir	Paddling
Russell Reservoir	Pleasant, small, woodsy area, small swimming beach gives Chesham residents a meeting place.
Russell Reservoir Area	Wildlife habitat, views of Monadnock, open fields
Sargent Camp Rd	surrounding area lovely, scenic, quiet-good snowshoeing, hiking, x-c skiing
Sargent Camp Rd Area	A great wildlife habitat area, quiet, warm water species fish, wild flowers, duck pond, beaver, muskrat, geese, easy canoeing
School	Very important to a small community
Seaver Farm	Historic farm, agriculture
Seaver Farm	Scenic
Seaver Farm Area	
Seaver Field Top	look west see Silver lake, look east see Mt Monadnock
Seaver Pond	boating and swimming, blueberrying, peaceful, beauty, habitat, scenic
Seaver Pond	I love this spot! I am concerned- again- with people leaving trash in the area.
Seaver Pond	Scenic, recreational, quiet, fun, wildlife (nice trail to large rock our family likes to jump from)
Seaver Reservoir	none
Seaver Reservoir	None
Seaver Reservoir	quiet, beautiful view
Seaver Reservoir	swimming spot, remote, peaceful
Seaver Reservoir	Wildlife Habitat
Seaver Reservoir	
Seaver Reservoir	Scenic, Important wildlife habitat, recreational area
Shy Hill, view of Monadnock	spectacularly beautiful, scenic
Silver Lake	And its watershed. Second cleanest lake in the state. Need to keep it that way for the future.
Silver Lake	And the other Lakes! Scenic and recreation

HARRISVILLE NATURAL RESOURCE INVENTORY COMMUNITY SURVEY

Silver Lake	Another important wildlife place that is overrun with power boats and fishermen who leave their trash all over the place.
Silver Lake	Beautiful view of Mt. Monadnock. Great water resource, springs, trout water fishery, boating, swimming, and water activities
Silver Lake	beauty, herons, loons, bird life, habitat, peace and quiet
Silver Lake	boating, swimming, hanging out, friends and family
Silver Lake	Clean and a boating and fishing area
Silver Lake	clean water!
Silver Lake	Friends/social, swimming
Silver Lake	grandparents, clean water, boating, and swimming
Silver Lake	Great natural setting, wildlife, water quality, peace/quiet, canoeing, sailing, etc.
Silver Lake	happy summer and family, house on water, woods
Silver Lake	I love to take my canoe over here- beautiful lake
Silver Lake	Large, clean body of water. Fishing, swimming, watersports.
Silver Lake	Love swimming, boating, and sunsets with friends
Silver Lake	My favoriteswim spot of south end of lake, important to preserve access and water quality
Silver Lake	Nature habitat, wildlife, quiet boating
Silver Lake	Neighborhood recreation, wildlife sancturay. *Would be much better if motorboats were banned on Silver Lake
Silver Lake	none
Silver Lake	none
Silver Lake	None
Silver Lake	outdoor fun, great memories
Silver Lake	Priceless
Silver Lake	Pristine water
Silver Lake	Recreation and wildlife habitat
Silver Lake	Recreation, scenic
Silver Lake	Recreation, wildlife corridor
Silver Lake	Recreation, wildlife, water
Silver Lake	scenery, water, boating (canoe), swimming
Silver Lake	Scenic, environmental quality, habitat for loons, clean water, passive recreation, peace and quiet
Silver Lake	Scenic, wildlife habitat, recreational
Silver Lake	Scenic, wildlife, rec/boat
Silver Lake	Special for scenery, wildlife. Where our sumer house is.
Silver Lake	swimming/hiking/fishing
Silver Lake	Water quality, Scenery
Silver Lake	water, beauty, boating
Silver Lake	Wonderful for boating of all kinds. Good fishing and an abundance of wild birds. Very Scenic
Silver Lake	
Silver Lake Recreation Area	However, taxes are a crime and Marlborough visitors don't respect it
Skatutakee Dam	Top priority
Skatutakee Lake	Biking on the road that fronts the lake is peaceful and fun
Skatutakee Lake	love the lake
Skatutakee Lake	Need to restrict development to protect watershed
Skatutakee Lake	Recreation, wildlife, water

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Skatutakee Lake	Recreational area
Skatutakee Lake	Silver Lake, Chesham Pond, scenic, recreation, tourism, wildlife habitat
Skatutakee Lake	Very pretty
Skatutakee Lake	Very pretty
Skatutakee Lake	
Skatutakee Lake Drive	I love this drive all times of the year I just wish people would slow down
Skatutakee rail trail to Broom Rd	bicycling all around skatutakee, scenic
Skatutakee Rd -Spring-	I love getting water here. Best memories.
Skatutakee Spring	Water for residents
Skatutakee Watershed	Need to control development to protect watershed
Skeeter Bush	Scenery, canoeing
South of Chesham Pond	underdeveloped natural area, good natural habitat
South of Macveagh Rd	Howell Res. Natural habitat, good hiking area
Spring	Need spring for protection from commercial use
Spring	On Skatutakee Rd
Sunset Beach	Great for families
Sunset Beach	Great Resource for cooling off and socializing. Great view and good, clean water.
Sunset Beach	great to hang out
Sunset Beach	On Harrisville Pond, amazing town beach with an extraordinary serenity, as well as amenities. Incredible view.
Sunset Beach	Scenic, recreational, fosters community
Sunset Beach	Scenic, recreational, social gathering place, best beach around!
sunset beach	swim, barbecues
Sunset Beach	Swimming, fireworks, playing
Sunset Hill area	Working farm, keeps many of our fields open, pasture
Sunset Hill/Cricket Hill Areas	none
Swimming hole on Silver Lake	
Tennis Courts	Private
The Bog	This is a critical wildlife habitat where loons nest. Every year, I pick up trash left by anglers who clearly don't care about the area.
The Community Church of Harrisville and Chesham	Rural New England place of worship. Congregation very friendly and welcoming. Like coming home.
The Dump/Recycling	Keeps Harrisville clean
The General Store	
The Meadows	Beautiful, natural environment, historic
The Meadows	Waterway linking Nubanusit to Mills, archaeological sites, kayak trail
The Mill Pond	scenic, water, peaceful
The Quaint Village	Historic
The store	As a meeting place for good food and scenery- historic building
The Store!	food! company!
top of Harrisville Pond marsh	plants! wetlands, wildlife, orchids and pitcher plants!
Top of lake/marsh	So peaceful and beautiful
Town	Needs traffic signs -slow
Town Beach	also, community gathering place and clean water for recreation
Town beach	Beautiful, and maintains strong community ties and meetings
Town Beach	Nice Beach, swimming, clean water
Town Beach	
Town Beach/Cemetery	Best access and views of Harrisville Pond.
Town Center	General Store, library, church, gathering place
Town Center	Historic, Scenic, Quiet (and Town Garden)
Town Center	Thank you Colony's for the continuing preservation of our beautiful mill town

HARRISVILLE NATURAL RESOURCE INVENTORY COMMUNITY SURVEY

Town Center	Town of Harrisville, with it, nostalgic ambiance. A good example of water resource usage to make power. Still has potential for commercial use.
Town Center	
Town Spring	none
Trail to...	private and beautiful
Venable Road	Need any help??
View	
View	
Village	A vibrant gathering place for the community with good food, office and apartment rentals, a public beach, essential
Village	Beautiful historic village, active community, and businesses
Village	Historic and beautiful, but not a museum, a living place
Village	Historic Harrisville Town Center
Village	Historic, beautiful, active community and businesses
Village	Historic, Picturesque
Village	Including store and weaving center, village is gorgeous but without places to stop (and spend money) the town would be a museum
Village	Library, church, general store, restored brick buildings, children day care, post office
Village	Mill buildings, granite and brick as original
Village	Needs traffic signs, slow
Village	none
Village	Post office, mills, general store
Village	Preserved historic mills and waterways, unique, historic
Village	Preserved, working space, small cottage industries, store
Village	Preserved, working space, small cottage industries, store
Village	Store, library, post office, great places to gather
Village	Store, Mill buildings
Village	The downtown is stunningly beautiful, rich in history, can't live without the General Store
Village	
Village	
Village Center	Cheshire Mills, important historically for historic preservation
Village Center	Fosters community, economic- store, farmers' market, businesses, historic
Village Center	Historic, beautifully maintained stores, meeting place, wonderful food, library, offices, businesses
Village Center	Historic, scenic, active, culture, local commerce
Village Center	Historic, scenic, economic, social, quaint
Village Center	Historic, wonderful town center, preserved, but put to good use, too bad one of the mills could not be residential (due to waste disposal problems)
Village center	the unspoiled quality of a NE village
Walking Trail	Old railroad trail by Chesham Depot, historic and scenic
Water Protection	& wildlife
waterway between pond and Nubanusit	- marshbeauty, wetlands, habitat
Wells Croft Farm	local agriculture is good!
Wells memorial School	A treasure that must be protected and maintained for future children
Wells Memorial School	Community gathering place, local education, recreation space
Wells Memorial School	Excellent school. The heart of the town for those with young kids. Connects parents to kids.
Wells Memorial School	Nature Trails, school gardens, and staff make for great community/nature interface
Wellscroft	The quintessential waking farm
Wellscroft Farm	

HARRISVILLE NATURAL RESOURCE INVENTORY COMMUNITY SURVEY

West side of Silver Lake	beauty, undeveloped, scenic
West side of Silver Lake	habitat
Wetland Area	Open space and swampland, critical special area
Wetlands	and streams behind Harrisville Pond, old Mills, wonderful hiking trails, and great kayaking
Wetlands	Dams and streams and wetlands off Skatutakee and Jaquith (Dovetailing w/ Harris Cesnter Land)
Wetlands between Nubanusit and Harrisville Pond	Wetland, wildlife, great canoe trip from Nubanusit Lake to Harrisvile Pond.
Wetlands boundaries	Our property, important wildlife area
Wetlands/Conservation Land	Perfect place for attricing birds and wildlife and accessible
Wilderness Trail	Off Lower Skatutakee
Wildlife Habitat	Quiet, Scenic
Wildlife Habitat	Views of Monadnock and open fields
Wildlife/Wetlands	
Willard Hill Rd Area	Development, space to expand willage, parking, etc?
Working Farm	Keeps many of our fields open and pasture

CLUSTERING OF SURVEY'S OPEN-ENDED COMMENTS

11 December 2012

Future Search and Harrisville 2020 were excellent forums to address the need of the community and many good things come out of these meetings. Now the Natural Resource Inventory extends the understanding of our community.

What follows is a compilation of open-ended responses to the question: **“What makes Harrisville life special? How do our natural resources – waters, soils, open spaces, historic sites – contribute to our quality of life? What should be done to protect these valued assets?”**

All of the entries below are verbatim; some, where appropriate, are present in the wider context offered by the author.

Numbers, not precise, are more indicative than definitive.

Issue Cluster**Frequency of Mention****Clean, Clear Water:**

56

Water quality; clean clear lake water; love all bodies of water lakes: Beautiful lakes.; water activities; . Be ever vigilant for **protecting** assets – water quality, Host program, weed watch, shoreline concerns, . Water - very tight development on waterfronts already - **protect** what little undeveloped waterfront left; Variety of bodies of water.; beautiful lakes, ponds; Lakes; Water,; beautiful lakes,; Our vast water resources make Harrisville an important town to **protect** as the availability of clean water diminishes; The generous **giving by volunteers to protect** the beautiful hills, woods, streams, lakes, watersheds, spring, aquifers, wildlife, wetlands.; Pond / ; need to **maintain** our water catch basins; water quality; Lower elevations;; bodies of water and surroundings; Harrisville is special ; Clean water to drink and clean water for swimming; Our natural resources, aquifers, lakes, ponds and wetlands; Clean water; the clean waters; Mosquito bush needs **protection; setbacks** for development (all our large wetlands need some setbacks; wetlands, lakes, ponds; Our surface, ground water, & aquifers should be closely monitored; Access to great places to swim - Silver Lake, Russell Reservoir, Howe Reservoir, Harrisville Pond, Seaver Pond, etc. Efforts should be made to **preserve** water quality and provide access to all these bodies of water. While unpopular, banning or restricting motorboats.

Historic Town, Village, Buildings:

46

Historic town; pride in our town's history; mills; love General store, old mills, The mill buildings and their authentic **preservation**. I majored in textiles in college and the historic textile industry of NE is dear to my heart; General Store, very inviting atmosphere and healthy food items. Community church in village, promoting community lifestyle.; Village life in a scenic setting with historic buildings of beauty; ; mill buildings & history; general store; Historic small town; a beautifully **preserved** town center of historic importance; , Plus vibrant downtown center.; & buildings; The village of Harrisville exudes care for & appreciation of its historic buildings & how these service as the core for its sense of community, business & neighborliness.; Lovely town center / store / library; Mill village; The Harrisville General Store is an essential resource as a community gathering place & shopping option; Also, office, studio 7 affordable rentals downtown are vital to attract people working in creative economy sector; history; Historically **preserved** village; values to **preserve** open spaces; 16: Historic **preservation** is critical; thoughtful development i.e., fostering economic activity in planned areas; not to adversely affect rural/scenic areas and vistas) is very important; vibrant village center; historic; Each part of the town has its unique characteristics.

Community, engagement, gathering places

48

Community engagement; active citizen engagement; All of these mean nothing without the people and social structure.; with a strong sense of community; activities involving cross-section of the town creating great social capital.; The most important element in Harrisville is the people and their loving of & caring for their town; strong sense of community; The caring people; Sense of community & commitment of residents.; Dedication of town officers, firemen, police, volunteers.; The people make it special.; voluntary boards; Strong sense of community ; Many events & places in town that connect the residents: Sunset beach; Wells Memorial School; fireman's Lunch (BBQ); Town dinners & dances; Community Garden; Old Home Days; Library; Churches, etc; Good neighbors. A community looking toward the future and looking out for each other.; the small community closeness of the residents; ; local music events. respect for each other; We are an interesting and eclectic gathering of people. I am grateful for the Harrisville post office and store, for their services and sociability. to live in - with great places - beach, library, general store.; Variety of people. The Harrisville General Store is an essential resource as a community gathering place & shopping option; all of Harrisville is special and should be regarded as so; Harrisville is my home. Lets keep it the same, safe, clean, healthy & a happy place to live; - to live somewhere where it is not polluted is paradise!

Conservation/Protection:

20

Keep them that way; land in conservation; should be more land in conservation; **protect** land from development that negatively affects these qualities;. We have a lot of **protected** land. We need **better ordinances** to protect water and open spaces; Harrisville is uncommonly rich in its resources and needs more people to be active in conservation, not preservation.; real sense of community education & involve young in importance of **preserving** natural resources.; Let's keep it that way.; identify important lands & resources & plan for the future; Work w/ land trusts to preserve & encourage **protection** of private & public land; The high percentage of land in conservation protects;.; Adherence to shoreland **protection regs.** should be enforced.; Putting land in conservation.; **Protecting** and all our natural resources should be at the top of the list. **We have to depend on land use regulations and community values** to protect our resources.

Best **protection** approach is two pronged: protect most fragile natural areas, esp. those that could affect water quality; plan residential & commercial growth in town to maintain a heterogeneous demographic and a vital town.

Historic and the development pattern we have. What makes Harrisville special is **the wonderful balance that exists between our economic / agricultural development and our desire to maintain vast areas of open land, protected, for natural use.** . I also love the thoughtful way we approach the future so that this critical balance can continue. smart resource conservation; be vigilant

Quiet and Tranquility;

20

Tranquility, Quiet, Friendly; The quietness; Quiet, Life in Harrisville is special for its peace and quiet; Harrisville is a quiet town; open quiet places; , Quiet; It is quiet; no commercial traffic, no snowmobile noise; & Peace & quiet, quiet; ,. It promotes a feeling of serenity and escape from the stress of city life and too much technology that rules so many of our lives; quiet town; quiet; Peaceful, genteel & quiet loveliness; quiet, restful

Recreation

17

Seven water bodies for recreation and relaxing. – 32. plus someone who teaches swimming for 2 weeks and we pay nothing. But, our grandchildren have learned how to swim! quiet water activities; Recreational activity; walking, skiing, snowshoes; swimming / boating; Not a day passes when I don't take advantage of our town's natural resources - Harrisville Pond, the Cemetery Trail, Beech Hill trails, The Monadnock Sunapee Greenway, Cobb Hill, the Gorge, etc. Is what makes Harrisville special

Scenic Beauty: 15

Beauty; scenic qualities; Our resources contribute highly to the scenic beauty; It is a beautiful, pristine, natural,; Beautiful environment.; beautiful, scenic quality; Harrisville is a great blend of beauty - scenic ; scenic beauty,; natural beautify; scenic qualities; scenic dirt roads; Scenic

Development/ Change: 13

Any industry should blend into our environment and not take away from our uniqueness. I would like to see Harrisville **maintain** its special features that we have as a small town and not change the character, history, and natural resources. It doesn't take much to change and destroy what we have now.

Its lack of unmanaged development; The lack of physical development; Please please, please to **protect** DO NOT encourage commercial development; No big box stores or commercial craziness. The town's economic diversity. A mix of incomes & affordable housing is essential so we don't become a monolithic town of wealthy retirees!; more flexibility on home building; Development of unobtrusive technologies (regional WiFi, modern septic systems, etc.) **keep it** a viable live / work location; We are slowly becoming a retiree community, bedroom community, and aging fast.; about **keeping** our town small to see the value of nature; Land and water to do both is most important but we still need building lots; Not easy area for seniors

We need **less emphasis on protecting** land and more on using it wisely to improve the social fabric we have.

We also need more attention to road maintenance in center of town, i.e. at store & roads leading to and from. The town maintains its assets (roads, buildings, etc.) very well. Safe place to live; the quality of life; Wonderful change from the city; Harrisville life is so special because it is the antitheses of the life that we have in our other home in Georgia. A summer retreat; Harrisville is out of the way: **keep it** that way; Small / quaint; - low taxes! Don't lose it.

Agriculture 12

Agricultural activity; . I love being able to buy most of my foods locally and enjoy the contact I have with the farmers. Community Garden has been a great way to meet & work together w/ neighbors. working farms;; agriculture; working farms; support of local agriculture / silviculture.; Agriculture, like Jody's farm, etc; with open space;

Trails 10

Trails for hiking; I like to walk & walk lots on roads. I know there are rail trails and other paths - wish they were better marked. Also wish we could organize some community / family walks, i.e., meet Sunday 12 noon to explore paths / trails.; good hiking, biking; Walkable /save / bikeable;;

Wildlife 9

Watching **wildlife** around the house and in the field by my house. animals native to the areda; Just one example is forested tracts of land can be **managed** better to improve wildlife habitat. Open spaces are few but contribute immensely for wildlife, berries, herbs and need to be **protected**.; wildlife, Wildlife and beauty; wildlife abundance.; wildlife; wildlife; We fish & hunt;

Natural Resources 9

HARRISVILLE NATURAL RESOURCE INVENTORY COMMUNITY SURVEY

Natural resources; Strong commitment to **protecting** natural resources; **preservation** of natural resources (dirt roads, lakes); Has **protected** it's **natural resources** and kept the town a beautiful place to live. The combinations of all the natural resources (lakes, forests, open land, protected spaces), Natural areas (open spaces, wetland areas) - forest, natural habitat; need state sales tax to support NH natural resources; Beautiful fields and forests; Clean Soil; clean air.; Fresh air Keep it that way

Rural 6

Rural qualities; The rural atmosphere; rural surroundings! ; Harrisville restful & bucolic; Rural,; small village and rural character.

Family: 4

Long-term **family** association; 10: every year since I was a baby; Harrisville is very special to our family;; an ideal place for children and their families;

School 4

A great **school**; excellent Pre-school.; , top notch school; Talk of closing WMS would destroy this and should be discontinued.

Love 4

LOVE Harrisville; Everything! In every way; We LOVE Harrisville!!! Love & community.

Open Spaces: 4

Higher elevations: open fields and vistas; open spaces; pastures; , open space, open fields & woodlands.

Wild areas 1

Our wild places, forests,... and lack of development makes Harrisville special. These precious things should be **protected** by progressive and scientific and RIGOROUS conservation methods. I would be more than willing to contribute time and/or money to this effort.

Miscellaneous

Watching seasons change. Simple pleasures of country living.

Relaxed is what comes to mind when thinking of Harrisville. It offers a multitude of activities for the active outdoors person; the woods, the water are blended together to give a great quality of life. We love coming here for the summer and fall; favorable climate; very little ambient light so that the stars & planets in the night sky are visible. - No street lights. No big lit-up signage.

With the last few years of weather we. many of our ponds & lakes are being choked by weeds and invasive species. Classic example is the water body on 137 across from Carr's Store. This used to be a vast expanse of water and run-off storage. Our ponds and lakes need to be cleared and dredged to maintain their storage capacity;

RESPONDENT BACKGROUNDS

LOCATION OF HOME IN HARRISVILLE

WHERE IS YOUR HOME?

Two in five Harrisville respondents are lakeshore property owners. Roughly half of the remaining three in five (32% of all residents) live in the Chesham area of town, while one in six live in Harrisville's town center, one in eight live in Eastview, and just under one in ten live in other areas of the community.

Base: Total sample	N=89
Lakeshore - on or near which lake?	43.0%
Chesham area	32.6%
Harrisville town center	17.4%
Eastview area	11.6%
Other:	9.3%

ACRES OF LAND OWNED BY RESPONDENT AND FAMILY

HOW MUCH LAND DO YOU AND YOUR FAMILY OWN IN TOWN?

Virtually all respondents are landowners. Three in five own 2+ acres of land, while two in five own less. One in four respondents own 10 acres or more of land in town. On average, survey respondents own 20.1 acres of land.

	Total Residents
Base: Total sample	N=89
None - we rent	2.4%
Less than ½ acre (0.25 acre)	12.9%
½ acre to under 1 acre (0.75 acre)	11.8%
1 acre to under 2 acres (1.5 acre)	12.9%
2 acres to under 5 acres (3.5 acre)	15.3%
5 acres to under 10 acres (7.5 acre)	20.0%
10+ acres - how many? (12.5 or number provided)	24.7%
Mean:	20.12

HAS LAND IN CURRENT USE OR CONSERVATION LAND

IS ANY OF YOUR LAND IN CURRENT USE? CONSERVATION LAND?

Nearly two in five respondents have land in either current use or conservation land. In general, these respondents are large land-owners – three in five have over 10 acres of land, and current use / conservation landowners own 42.5 acres of land each, on average.

	Total Residents
Base: Total sample	N=89
Current use / Conservation land (NET)	38.2%
Current use	31.5%
Conservation land	10.1%

AMOUNT OF ANNUAL PROPERTY TAXES PAID TO TOWN OF HARRISVILLE

WHICH CATEGORY BEST DESCRIBES YOUR ANNUAL PROPERTY TAXES TO THE TOWN?

Most Harrisville residents pay between \$3,000 and \$7,500 in annual property taxes. The typical Harrisville household pays approximately \$4,650 in taxes each year.

	Total Residents
Base: Total sample	N=89
% not Answering	6.7%
% Answering	93.3%
Table base: Answering	N=83
None - don't own property	2.4%
\$1,000 - \$1,999 (\$1,500)	1.2%
\$2,000 - \$2,999 (\$2,500)	10.8%
\$3,000 - \$3,999 (\$3,500)	24.1%
\$4,000 - \$4,999 (\$4,500)	16.9%
\$5,000 - \$7,499 (\$6,250)	28.9%
\$7,500 - \$10,000 (\$8,750)	8.4%
Over \$10,000 (\$11,250)	7.2%
Mean:	\$4,645

RESIDENCY - YEAR-ROUND, SUMMER / SEASONAL, OR SHORT-TERM VISITOR

ARE YOU A YEAR-ROUND RESIDENT, SUMMER / SEASONAL RESIDENT, OR SHORT-TERM VISITOR?

Harrisville's survey was taken by both year-round residents (three-fourths of the sample) and Summer/seasonal residents. Two short-term visitors were not included in final tabulations.

Base: Total sample	N=89
% not Answering	5.6%
% Answering	94.4%
Table base: Answering	N=84
Year-round resident	73.8%
Summer / Seasonal resident	26.2%
Short-term visitor	-

RESPONDENT AGE

HOW OLD ARE YOU?

Respondents to this survey tend to be older, which reflects the Harrisville demographic (and underscores the difficulty of enrollment in the Wells Memorial School). One in five were between 36 and 55 years old, two in five were 55 to 65 years old, one in four were 66 to 75, and one in six were older than 75.

Base: Total sample	Total Residents N=89
26 to 35 (30)	1.2%
36 to 45 (40)	7.1%
46 to 55 (50)	11.8%
56 to 65 (60)	40.0%
66 to 75 (70)	24.7%
Over 75 (80)	15.3%
Mean:	62.59

AGE OF ALL RESIDENTS IN RESPONDENT HOME

AND HOW OLD ARE OTHER RESIDENTS IN YOUR HOME? (PLEASE MARK ALL THAT APPLY)

Harrisville has an older population according to the US Census, and respondent ages in this study reflect that skew. Five in six respondent households have residents over the age of 55, while one in five have residents aged 36 to 55, one in six respondent households have children under the age of 18, and one in eight have young adults between the ages of 18 and 35.

Base: Total sample	N=89
UNDER 18 (NET)	16.5%
5 and under	5.9%
6 to 12	9.4%
13 to 17	5.9%
18 TO 35 (NET)	12.9%
18 to 25	8.2%
26 to 35	7.1%
36 TO 55 (NET)	21.2%
36 to 45	10.6%
46 to 55	15.3%
56 & OLDER (NET)	83.5%
56 to 65	48.2%
66 to 75	35.3%
Over 75	21.2%

Part 3: About You and Harrisville

What makes Harrisville life special? How do our natural resources - waters, soils, open spaces, historic sites - contribute to our quality of life? And what should be done to protect these valued assets?

Where is your home?

- Harrisville town center
- Chesham area
- Eastview area
- Lakeshore → on or near Lake:
- Other:

How much land do you and your family own in town?

- None – we rent
- Less than ½ acre
- ½ acre to under 1 acre
- 1 acre to under 2 acres
- 2 acres to under 5 acres
- 5 acres to under 10 acres
- 10+ acres – how many?

Is any of your land in ...

- Current use → How many acres?
- Conservation land → How many acres?

Are you a...

- Year-round resident
- Summer / Seasonal resident
- Short-term visitor

How old are you?

- 6 to 12
- 13 to 17
- 18 to 25
- 26 to 35
- 36 to 45
- 46 to 55
- 56 to 65
- 66 to 75
- Over 75

And how old are other residents in your home? (please mark all that apply)

- 5 and under
- 6 to 12
- 13 to 17
- 18 to 25
- 26 to 35
- 36 to 45
- 46 to 55
- 56 to 65
- 66 to 75
- Over 75

Which category best describes your annual property taxes to the town?

- None – don't own property
- < \$1,000
- \$1,000 - \$1,999
- \$2,000 - \$2,999
- \$3,000 - \$3,999
- 4,000 - \$4,999
- \$5,000 - \$7,499
- \$7,500 - \$10,000
- Over \$10,000

Want to hear more about survey results and other NRI events?

Name:

Email: Phone:

Address:

Thanks for taking a few minutes to complete and return this survey to
Town of Harrisville Conservation Commission, 705 Chesham Road, Harrisville, NH 03450
 or drop it off at Town Hall or the Harrisville General Store.

Welcome to Harrisville's Natural Resource Inventory!

What makes Harrisville life special? Where are our special places? How do our natural resources - waters, soils, open spaces, historic sites - contribute to our quality of life? And what should be done to protect these valued assets?

The Harrisville Natural Resource Inventory project was approved at Town Meeting this year. NH RSA 36-A:2 directs our Conservation Commission to research local land and water areas, keep an index of open space and natural, aesthetic or ecological areas, and recommend to the selectmen and the town programs for the protection, development and utilization of such areas. And we need your help identifying the town's important assets.

We're gathering opinions from town residents to learn more about our natural environment, identify sensitive areas for future protection, and begin a discussion of community goals for preserving Harrisville's quality of life. Thanks for your help!

Part 1: How Important are each of these Resources to You?

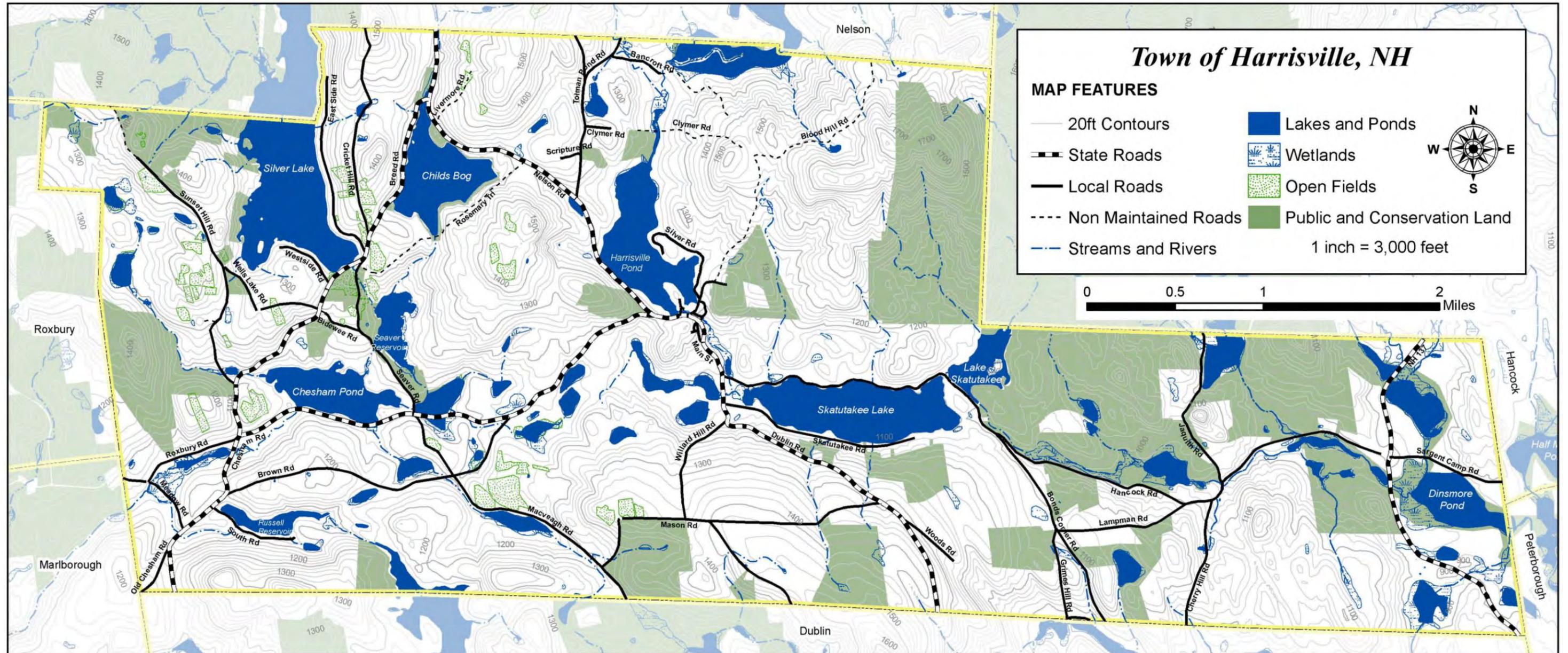
Please rate each of these natural and cultural resources based on how important that resource is in contributing to Harrisville's unique character and quality of life. Indicate your answer by filling in circles completely (e.g., ●, not ✓ or ✕)

Cultural resources	← Most important			Least important →		
Having an active village center (services to meet daily needs, gathering places)	<input type="radio"/>					
Preserving historic features (buildings, cellar holes, stone walls, dirt roads)	<input type="radio"/>					
Peace and quiet from open spaces and natural areas	<input type="radio"/>					
Land use regulation to protect natural resources (limiting impacts from inappropriate development)	<input type="radio"/>					
Natural resources	← Most important			Least important →		
Clean air (limiting pollution sources, maintaining large forested areas)	<input type="radio"/>					
Clean water (ground and surface water free of pollutants and sediment)	<input type="radio"/>					
Agriculture (rural character, local products, economics)	<input type="radio"/>					
Land & water for recreation (hiking, hunting, fishing, etc.)	<input type="radio"/>					
Scenic qualities associated with the land (forest, water, farms, hilltops, gorges, other special places)	<input type="radio"/>					
Wetlands (stores and filters stormwater, releases water to streams and aquifers, provides critical wildlife habitat)	<input type="radio"/>					
Wildlife habitat (large unfragmented blocks of forest and field connected by travel corridors)	<input type="radio"/>					
Commercial resources	← Most important			Least important →		
Growing the economic base (more commerce & industry)	<input type="radio"/>					
Working farms (promote local food, promote local economy)	<input type="radio"/>					
Working forests (forest health, provide local fuel & fiber, promote local economy)	<input type="radio"/>					

Part 2: Where are our Special Places?

Which places contribute most to Harrisville's Quality of Life? Identify up to 5 places on the map below that you feel are special or important to the Town of Harrisville. Using pen or pencil, draw a circle around each place and number the circles from 1 to 5.

Using the space below the map, write name or brief description of each place and what makes that place important or special. Is it historic? scenic? important wildlife habitat? a great recreational area? ideal for commercial development? any other great features?



Place 1:	Place 2:	Place 3:	Place 4:	Place 5:
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APPENDIX B

SPECIES LIST

**Native Animals and Plants seen in Harrisville (E. Lord and T. Mowry,
1992-2012)**

Birds

- | | |
|---------------------------------|-----------------------------------|
| 1. Common Loon (S) | 24. American Kestrel (S) |
| 2. Double-crested Cormorant (M) | 25. Merlin (M) |
| 3. American Bittern (S) | 26. Peregrine Falcon (M) |
| 4. Great Blue Heron (S) | 27. Ring-necked Pheasant (YR) |
| 5. Black Crowned Night Heron | 28. Ruffed Grouse (YR) |
| 6. Turkey Vulture (S) | 29. Wild Turkey (YR) |
| 7. Snow Goose (M) | 30. Spotted Sandpiper (S) |
| 8. Canada Goose (S) | 31. Solitary Sandpiper (S) |
| 9. Wood Duck (S) | 32. American Woodcock (S) |
| 10. Mallard Duck (S) | 33. Ring-billed Gull (YR) |
| 11. Ring-necked Duck (M) | 34. Herring Gull (YR) |
| 12. Bufflehead (M) | 35. Great Black-backed Gull (YR) |
| 13. Common Merganser (S) | 36. Mourning Dove (YR) |
| 14. Hooded Merganser (M) | 37. Great Horned Owl (YR) |
| 15. Osprey (M,S) | 38. Barred Owl (YR) |
| 16. Bald Eagle (M,S) | 39. Northern Saw-whet Owl (YR) |
| 17. Northern Harrier (M) | 40. Common Nighthawk (S) |
| 18. Sharp-shinned Hawk (S) | 41. Chimney Swift (S) |
| 19. Cooper's Hawk (S) | 42. Ruby-throated Hummingbird (S) |
| 20. Red Shouldered Hawk | 43. Belted Kingfisher (S) |
| 21. Northern Goshawk (S) | 44. Red-bellied Woodpecker (YR) |
| 22. Broad-winged Hawk (S) | 45. Yellow-bellied Sapsucker (S) |
| 23. Red-tailed Hawk (S) | 46. Downy Woodpecker (YR) |

47. Hairy Woodpecker (YR)
48. Northern Flicker (S)
49. Pileated Woodpecker (YR)
50. Eastern Wood-Pewee (S)
51. Least Flycatcher (S)
52. Eastern Phoebe (S)
53. Great crested Flycatcher (S)
54. Eastern Kingbird (S)
55. Northern Shrike (W-occasional)
56. Warbling Vireo
57. Blue-headed Vireo (S)
58. Red-eyed Vireo (S)
59. Blue Jay (YR)
60. American Crow (YR)
61. Common Raven (YR)
62. Tree Swallow (S)
63. Bank Swallow (S)
64. Barn Swallow
65. Horned Lark
66. Black-capped Chickadee (YR)
67. Tufted Titmouse (YR)
68. Red-breasted Nuthatch (YR)
69. White-breasted Nuthatch (YR)
70. Mockingbird
71. Brown Creeper (YR)
72. Carolina Wren (S)
73. Winter Wren (S)
74. Golden-crowned Kinglet (W)
75. Ruby-crowned Kinglet (M)
76. Eastern Bluebird (S)
77. Swainson's Thrush (M)
78. Hermit Thrush (S)
79. Wood Thrush (S)
80. Veery (S)
81. American Robin (S)
82. Gray Catbird (S)
83. Brown Thrasher (S)
84. American Pipit (M)
85. Cedar Waxwing (YR)
86. Wilsons Warbler
87. Nashville Warbler (S)
88. Northern Parula (S)
89. Yellow Warbler (S)
90. Chestnut-sided Warbler (S)
91. Magnolia Warbler (S)
92. Cape May Warbler (M)
93. Black-throated Blue Warbler (S)
94. Yellow-rumped Warbler (S)
95. Black-throated Green Warbler (S)
96. Blackburnian Warbler (S)
97. Pine Warbler (S)
98. Prairie Warbler (S)
99. Palm Warbler (M)
100. Bay-breasted Warbler (M)

- | | |
|----------------------------------|--|
| 101. Blackpoll Warbler (M) | 122. Northern Cardinal (YR) |
| 102. Black-and-white Warbler (S) | 123. Black Headed Grosbeak |
| 103. American Redstart (S) | 124. Rose-breasted Grosbeak (S) |
| 104. Ovenbird (S) | 125. Evening Grosbeak (S) |
| 105. Northern Waterthrush (S) | 126. Pine Grosbeak |
| 106. Common Yellowthroat (S) | 127. Indigo Bunting (S) |
| 107. Canada Warbler (S) | 128. Blackbird |
| 108. Scarlet Tanager (S) | 129. Red-winged Blackbird (S) |
| 109. Eastern Towhee (S) | 130. Starling |
| 110. American Tree Sparrow (W) | 131. Bobolink (S) |
| 111. Chipping Sparrow (S) | 132. Common Grackle (S) |
| 112. Savannah Sparrow (S) | 133. Brown-headed Cowbird (S) |
| 113. Fox Sparrow (M) | 134. Baltimore Oriole (S) |
| 114. Song Sparrow (S) | 135. House Finch |
| 115. Harris Sparrow | 136. Purple Finch (YR) |
| 116. Swamp Sparrow (S) | 137. White-winged Crossbill (W-
occasional) |
| 117. White-throated Sparrow (M) | 138. Common Redpoll (W-occasional) |
| 118. White-crowned Sparrow (M) | 139. Pine Siskin (W-occasional) |
| 119. Dark-eyed Junco (W) | 140. American Goldfinch (YR) |
| 120. Oregon Junco | |
| 121. Snow Bunting (M) | |

YR-Year-round resident, or can be seen any month of the year.

S-Summer resident, probably breeds here. Some birds have much longer summers than others.

M-seen only in migration.

W-Winter resident.

Other Animals

Beaver	Raccoon
Black bear	Skunk
Bobcat	White tailed deer
Chipmunk	Woodchuck
Coyote	Bullfrog
Fisher cat	Red spotted newt
Grey squirrel	Spring peeper
Red squirrel	Box turtle
Red fox	Painted turtle
Little brown bat	Garter snake
Otter	Water snake
Porcupine	Snapping turtle

Flowering Plants

Sagittaria latifolia(arrowhead)	Sambucus(elderberry)
Rhus radicans(poison ivy)	Symphoricarpus(snowberry)
Rhus typhina(sumac)	Viburnum spp(hobblebush)
Rhus vernix(poison sumac)	Celastrus(bittersweet)
Daucus carota(queen anns lace)	Clethra(sweet pepperbush)
Ilex verticillata(winterberry)	Cuscuta(dodder)
Arisaema triphyllum(jack in the pulpit)	Cornus(bunch berry)
Aralia nudicaulis(sarsaparilla)	Drosera(sundew)

Asclepius syriaca(milkweed)	Archtostryllos(bear berry)
Achillea millifolium(yarrow)	Chamaedaphne(leather leaf)
Ambrosia dumosa(ragweed)	Gaultheria(teaberry,wintergreen)
Anaphalis margaritacea(pearly everlasting)	Kalmia(sheep laurel)
Aster spp	Kalmia latifolia(mt laurel)
Cichorium intybus(chicory)	Lyonia(maleberry)
Eupatorium maculatum(joe pye weed)	Rhododendron spp (azalea)
Hieracium(hawkweed)	Vaccinium(blueberry,cranberry)
Lactuca(wild lettuce)	Eriocaulon(pipewort)
Solidago(golden rod)	Trifolium(clover)
Impatiens(touch me not)	Hypericum(st johns wort)
Lobelia cardinalis(cardinal flower)	Iris versicolor(blue flag iris)
Linnaea(twin flower)	Clintonia(bluebead lily)
Utricularia inflata (bladderwort)	Sparganium(bur reed)
U. purpurea	Lobelia dortmanna(lobelia)
U. vulgaris	Cephalanthus(buttonbush)
Lilium canadense	Dulichium(sedge)
Maianthemum (mayflower)	Oenothera(evening primrose)
Medeola(cucumber root)	Corallorhiza(coral root)
Polygonatum(Solomons seal)	Cypripedium(pink lady slipper)
Smilacina(false solomans seal)	Pogonia(rose pogonia orchid)
Trillium spp	Epifagus(beech drops)
Phoradendron(mistletoe)	Oxalis(wood sorrel)

Decodon(loosestrife)
Monotropa(pine sap)
Monotropa uniflora(Indian pipes)
Nelumbo(American lotus)
Nuphar(yellow pond lily)
Nymphaea(water lily)
Nymphoides(floating heart)
Brasenia schreberi(watershield)
Potamogeton(pond weed)
Myriophyllum(native milfoil)
Pontederia(pickerel weed)
Typha(cat tail)
Actaea(baneberry)
Aquilegia(columbine)
Caltha(marsh marigold)
Clematis sp
Ranunculus(buttercup)
Thalictrum(meadow rue)

TREES

Fragaria(strawberry)
Potentilla(cinquefoil)
Asclepias incarnate(swamp milkweed)
Rosa rugosa

Prenanthes(rattlesnake root)
Spiranthes(lady tresses orchid)
Michella(partridge berry)
Echinocystis(bur cucumber)
Coptis groenlandica(goldthread)
Plantago(plantain)
Polygala(milkwort)
Polygonum sp (swamp smartweed)
Rumex(dock)
Lysimachia(swamp candle)
Chimaphila(wintergreen)
Pyrola(shinleaf)
Eriophorum(marsh cotton grass)
Lonicera(honey suckle)
Myrica(bayberry)
Ribes(gooseberry)
Hamamelis(witch hazel)

Acer spp(maple)
Quercus spp(oak)
Fagus grandifolia(beech)
Tsuga canadensis(hemlock)

Rubus(raspberry)

Spirea(meadowsweet)

Gallium (bedstraw)

Salix sp(pussy willow)

Sarracenia leucophylla(pitcher plant)

Chelone(turtlehead)

Linaria(butter and eggs)

Verbascum(common mullein)

Urtica(stinging nettle)

Viola spp(violet)

Malva(mallow)

Pinus strobus(white pine)

Picea spp(spruce)

Fraxinus spp(ash)

Alnus spp(alder)

Tilia americana(basswood)

Populus spp(poplar)

Salix spp(willow)

Betula sp(birch)

Ulmus americana(elm)

Prunus spp(cherry etc)

Sorbus americana(mt ash)

FERNS and RELATIVES

Adiantum(maidens hair)

Athyrium(lady fern)

Dennstaedtia(hay scented fern)

Dryopteris(marginal wood fern)

Osmunda claytoniana(interrupted fern)

Osmunda regalis(royal fern)

Polypodium(polypody)

Polystichum(Christmas fern)

Pteridium(bracken fern)

Onoclea(sensitive fern)

Lycopodium spp(club moss)

Diphasiastrum spp(northern ground cedar)

Equisetum(horsetail)

Isoetes spp

Selaginella spp

Invasives

Polygonum cuspidatum(Japanese knotweed)

Iris pseudacorus(yellow flag)

Celastrus orbiculatus(asian bittersweet)

Lythrum salicaria(purple loosestrife)

Lonicera japonica(japanese honey suckle)

Rosa multiflora(multifloral rose)

Ailanthus altissima(tree of heaven)

Berberis vulgaris(Japanese barberry)

Euonymus atropurpureus(burning bush)

APPENDIX C
CHILDREN'S NRI

Natural Resource Inventory

Student Vote Report

This survey and report was completed by the students in the 5/6 class at Wells Memorial School as part of a community service learning project. For this project the students first identified their own special places on the map of Harrisville, then they surveyed the rest of the WMS student body (K – 4th grade students), visiting each classroom (K/1, 2/3, 4) to introduce the project and its purpose and to help students complete the survey. The students also sent surveys to the WMS graduates attending Keene Middle School, though only a small percentage were returned. The 5/6 students took the data from the completed surveys and first tallied all of the “special places” voted for, then grouped those places into categories. With this data a team of students created spreadsheets and graphs of with the help of Mrs. Greenhalgh, our school librarian. Students then made observations based on their data and we worked on completing the final report. Each section of the completed report was written by the students with some editing and compiling done by myself.

Our thanks to Kim Bylancik and Winston Sims for inviting my class to contribute to the town NRI report in this way and for their support and assistance with the project.

Claudia Dery

WMS 5/6 Teacher

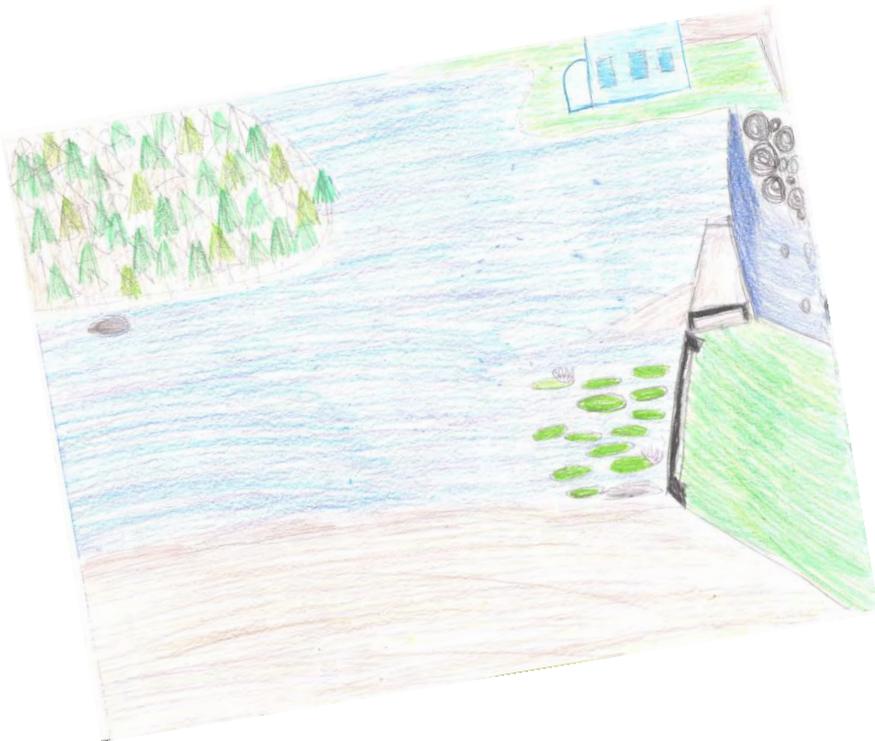
June 2013

Do you know how much Harrisville means to kids? We, the five six class of Harrisville Wells Memorial School were asked by the Natural Resource Inventory Committee in Harrisville to find out. We surveyed K-6th grade students in Harrisville and asked them to tell us five of their favorite places and explain why. After gathering our data we sorted the places by water, town and land/trails. Then we identified the top favorites. We hope that by including the kids ideas we can help

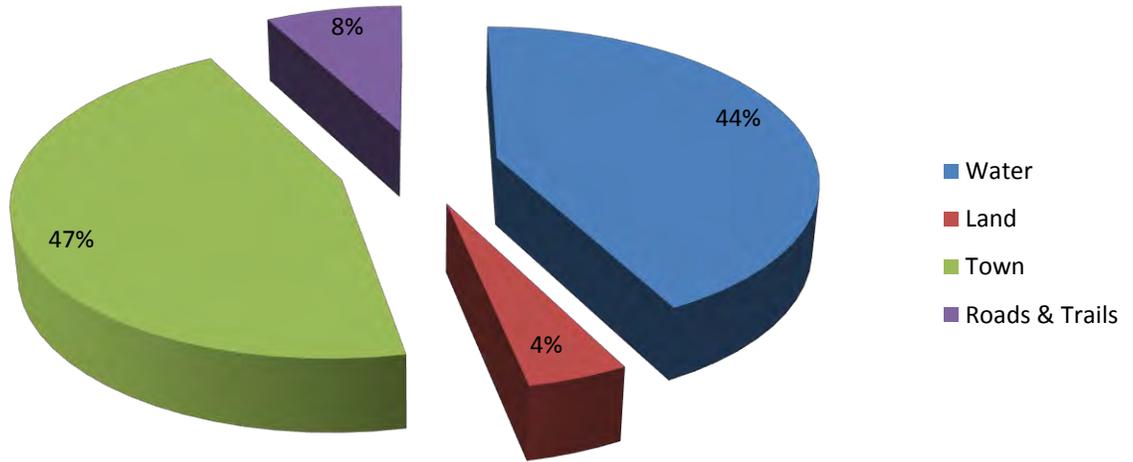
save these special places for years to come.



Drawings by Quinn Thayer and Ke'ala Barnard, Grade 6 Students



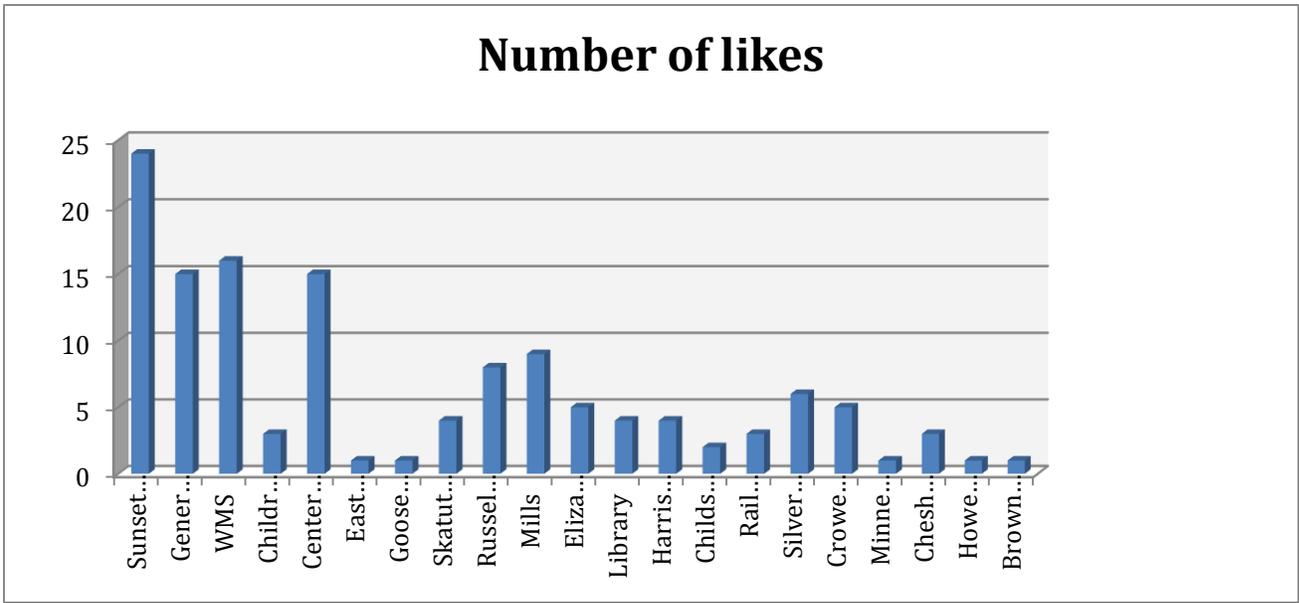
Number of Postive Responses Percentage



Types of Places People Like in Harrisville

	Number of Likes	Types of Places People Like in Harrisville	Number of Positive Responses Percentage
	59	Water	44%
	6	Land	4%
	63	Town	47%
	11	Roads & Trails	8%
Total	139		
Adjusted Total	134		

Places	Number of likes	Percentage	Places	Number of likes	Percentage
Sunset beach	24	25%	Library	4	3%
General Store	15	16%	Harrisville		
WMS	16	17%	Pond	4	3%
Childrens Center	3	3%	Childs Bog	2	2%
Center of Town	15	16%	Rail Trails	3	2%
East View	1	1%	Silver Lake	6	4%
Goose Brook	1	1%	Crowe Eagle Trail	5	4%
Skatutakee	4	4%	Minnewawa	1	1%
Russell	8	8%	Chesham		
Reservoir Mills	9	9%	Pond	3	2%
			Howe		
			Reservoir	1	1%
			Brown Road	1	1%
			Total	140	



MOST POPULAR PLACES IN HARRISVILLE

Sunset Beach

Sunset Beach was the top voted place that students liked in Harrisville. Sunset Beach is the largest beach in Harrisville. It has a good amount of recreational structures like a volleyball net, swings and merry go round. It has a large sandy and grassy area with two large oak trees. Looking from the parking lot to the right there is a large rock pile with blueberry bushes. To the left is a line of trees along the water. The waters around the beach are filled with wildlife. There's lots of sunfish, black bass, minnows, pickerels, and hornpout. Other wildlife includes snapping turtles, waterfowl, mussels, snakes, and otters. Older kids usually go to the beach to hang out, go swimming and play volleyball. Littler kids usually play in the sand and on the recreation stuff. The beach is a very important place to the Harrisville Community.

Here are some of the comments made by students:

- 1."Lots of people go there."
- 2."It has a great recreational place."
- 3."Has a beautiful sunset view."
- 4."It's beautiful"
- 5."A lot of kids play there"
- 6."Clean water"
- 7."I like swimming there."

The General Store

The General Store is one of the four top favorites out of the survey. The General Store was the second most popular vote. It is a brick building on the top of a hill in the center of town. It has many important reasons to protect it, such as providing good food, holding part of our town's history, and housing for our citizens, and job's for them too. Students' comments really showed how much our town kids care about our little hometown spot

Here are some of the younger kids' comments about this historic place:

- "I get to buy food and candy"
- "I like to relax"
- "I can eat pizza and other yummy food there"
- "It's a nice place"
- "My mom works there"
- "I've been going there since I was one"
- "Nice piece of history"

Here are some of the restaurant's compliments from the older kids:

- "It's a good place to get food and snacks"
- "I can walk there from my house and get a yummy lunch"
- "Everything is cheap and nice and not all people can afford to go to a big Supermarket"



Drawing by Gabriel Hobbs,
Kindergarten student

Wells Memorial School

Do you know how much students love Wells Memorial School? Well our survey showed that it is very important to the students who go there. It was one of the places that received the most votes. Here are some examples of what students had to say:

K/1 students said they love playing on the swings and learning. One K/1 student said: "I love our school because I learn there."

Many of the 3rd – 6th grade students mentioned the Crowe Eagle trail as a special part of the school. A sixth grade student commented: "Every town should have a school"



Drawing by Aman Dery, Grade 5

Mills

The mills were one of the four places that got the most votes. They are some of the most historic places in Harrisville. The town of Harrisville was created because of the mills. They were very important around 1850 until 1950. The mills were worked at for over 150 years. In those 150 years about 45% of the Harrisville population worked at the mills. They would use the water coming down the river on big water wheels and that would run the machinery for the wool working.

We noticed that the younger children did not realize how important the mills were to Harrisville and they seemed to have stronger connections to other places. The older kids showed their understanding with the comments:

“they are very old and historic”

“they teach us a lot about history”.

One student concluded that Harrisville is “not Harrisville without them”.



Drawing by Bonnie Anderson, Grade 5

Conclusion

The purpose of this report was to raise the awareness that Harrisville matters to the kids. What we noticed is that overall students liked bodies of water the most and town buildings like the General Store were also very popular. We also can see how important the school is to the students who go there or went there.

We think that children should have a voice in these things because they get attached or have really special places. They also “go deeper into the ponds and forests.” We hope that this report will help preserve the places in Harrisville that are important to everyone.

Report created by the 5/6 class at Wells Memorial School, June 2013

Bonnie Anderson

Ke’ala Barnard

Cody Cox

Aman Dery

Mapiya Duran

Cole Masterson

Angela Pereira

Quinn Thayer

Ciana Willette

APPENDIX D

VLAP REPORTS FOR MAJOR PONDS



Volunteer Lake Assessment Program Individual Lake Reports

HARRISVILLE POND, HARRISVILLE, NH

MORPHOMETRIC DATA

Watershed Area (Ac.):	8,064	Max. Depth (m):	12.5	Flushing Rate (yr ⁻¹)	8.4
Surface Area (Ac.):	120	Mean Depth (m):	4.7	P Retention Coef:	0.39
Shore Length (m):	5,300	Volume (m ³):	2,264,500	Elevation (ft):	1318

TROPHIC CLASSIFICATION

Year	Trophic class
1987	EUTROPHIC
2006	MESOTROPHIC

KNOWN EXOTIC SPECIES

The Waterbody Report Card tables are generated from the 2012 305(b) report on the status of N.H. waters, and are based on data collected from 2001-2011.

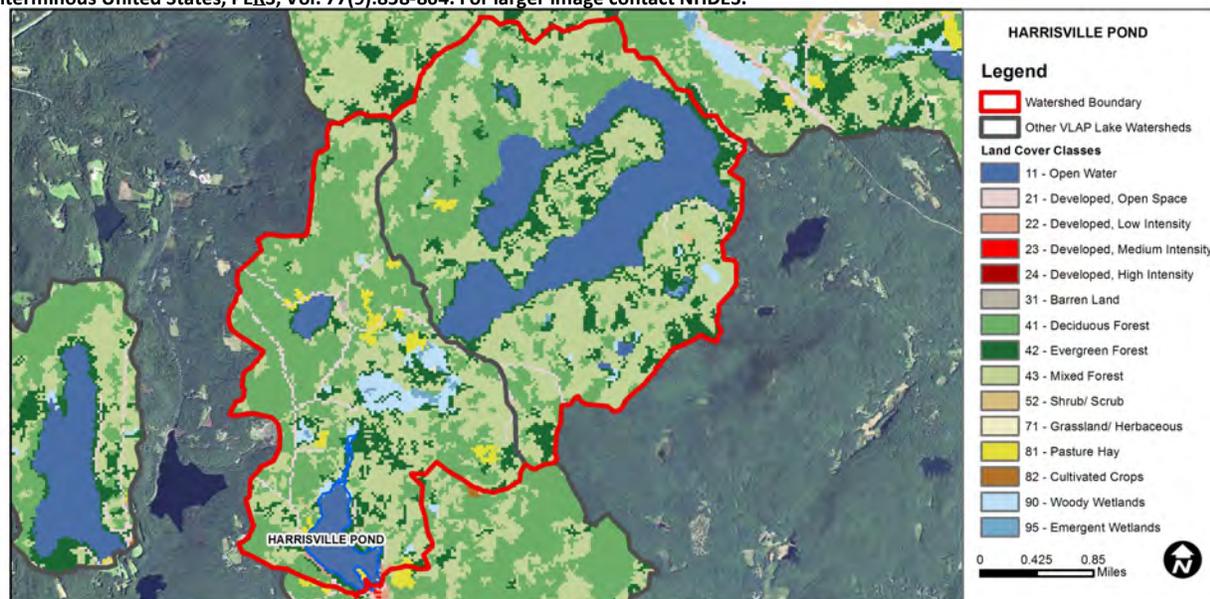
Designated Use	Parameter	Category	Comments
Aquatic Life	Phosphorus (Total)	Good	>=5 samples and median is < threshold but > 1/2 threshold value.
	pH	Bad	>10%, with a minimum of 2, samples exceed criteria, with 1 or more by a large margin.
	D.O. (mg/L)	Cautionary	< 10 samples and 1 exceedance of criteria. More data needed.
	D.O. (% sat)	Slightly Bad	>10% of samples exceed criteria by a small margin (minimum of 2 exceedances).
	Chlorophyll-a	Good	>=5 samples and median is < threshold but > 1/2 threshold value.
Primary Contact Recreation	E. coli	Very Good	All bacteria samples <75% of geometric mean criteria, but not enough to calculate geometric mean. Or, all bacteria samples are < single sample criteria and calculated Geometric means are less than geometric mean criteria.
	Chlorophyll-a	Very Good	At least 10 samples with 0 exceedances of criteria.

BEACH PRIMARY CONTACT ASSESSMENT STATUS

HARRISVILLE LAKE - SUNSET TOWN BEACH	E. coli	Cautionary	One exceedance of single sample criteria but not enough data to calculate geometric mean. More data needed.
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WATERSHED LAND USE SUMMARY

Fry, J., Xian, G., Jin, S., Dewitz, J., Homer, C., Yang, L., Barnes, C., Herold, N., and Wickham, J., 2011. Completion of the 2006 National Land Cover Database for the Conterminous United States, PERS, Vol. 77(9):858-864. For larger image contact NHDES.



Land Cover Category	% Cover	Land Cover Category	% Cover	Land Cover Category	% Cover
Open Water	16.2	Barren Land	0.04	Grassland/Herbaceous	0.02
Developed-Open Space	1.8	Deciduous Forest	30.78	Pasture Hay	1.29
Developed-Low Intensity	0.13	Evergreen Forest	11.7	Cultivated Crops	0
Developed-Medium Intensity	0	Mixed Forest	35.33	Woody Wetlands	2.34
Developed-High Intensity	0	Shrub-Scrub	0.08	Emergent Wetlands	0.35



VOLUNTEER LAKE ASSESSMENT PROGRAM INDIVIDUAL LAKE REPORTS

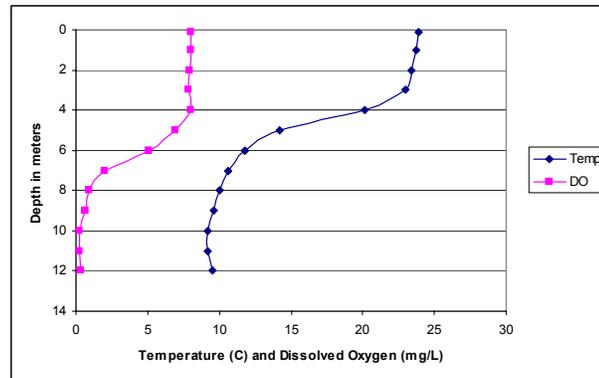
HARRISVILLE POND, HARRISVILLE, NH

2012 DATA SUMMARY

OBSERVATIONS AND RECOMMENDATIONS (Refer to Table 1 and Historical Deep Spot Data Graphic)

- 🔥 **CHLOROPHYLL-A:** Chlorophyll levels were relatively low and decreased greatly from 2011. Visual observation of the data indicates chlorophyll levels have decreased since monitoring began.
- 🔥 **CONDUCTIVITY/CHLORIDE:** Conductivity levels were low and well below the NH lake median at every station except Cemetary Inlet.
- 🔥 **TOTAL PHOSPHORUS:** Epilimnetic (upper water layer) phosphorus was relatively low and well below the NH lake median. Hypolimnetic (lower water layer) and Cemetary Inlet phosphorus levels were slightly elevated.
- 🔥 **TRANSPARENCY:** Transparency improved from 2011 measurements and was greater than the NH lake median.
- 🔥 **TURBIDITY:** Turbidity was elevated in the Hypolimnion and Cemetary Inlet which may have contributed to the slightly elevated phosphorus levels.
- 🔥 **PH:** pH levels have historically been lower than desirable and potentially critical to aquatic life.
- 🔥 **RECOMMENDED ACTIONS:** Increase monitoring frequency to three events per summer to better assess summer and historical water quality trends. Identify sources of elevated conductivity, phosphorus and turbidity in Cemetary Inlet.

Dissolved Oxygen & Temperature Profile



Station Name	Table 1. 2012 Average Water Quality Data for HARRISVILLE POND						
	Alk. mg/l	Chlor-a ug/l	Cond. uS/cm	Total P ug/l	Trans. m	Turb. ntu	pH
					NVS		
Cemetary Inlet			167.0	15		2.88	6.81
Deep Epilimnion	1.7	3.66	21.0	7	4.3	0.58	6.51
Deep Metalimnion			25.0	7		0.99	5.76
Deep Hypolimnion			27.0	12		5.34	5.69
Jane Dunn Inlet			24.5	7		0.35	5.24
Library Outlet			21.0	6		0.53	6.28

NH Median Values: Median values for specific parameters generated from historic lake monitoring data.

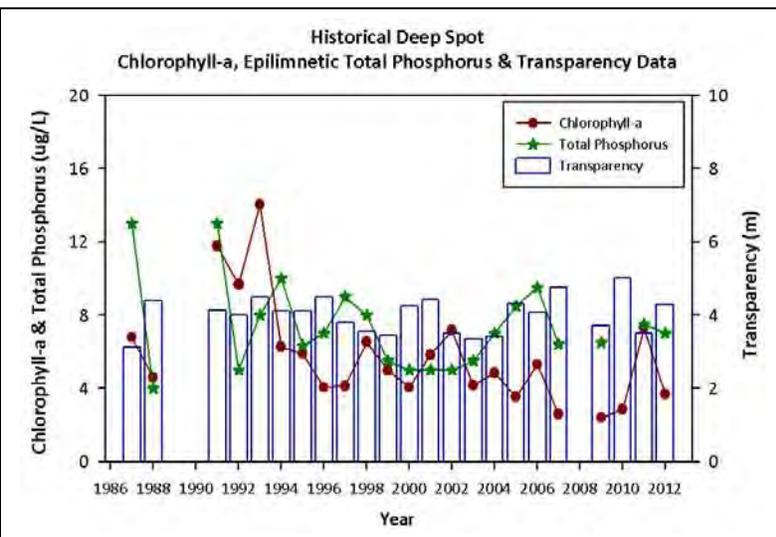
Alkalinity: 4.9 mg/L
Chlorophyll-a: 4.58 mg/m³
Conductivity: 40.0 uS/cm
Chloride: 4 mg/L
Total Phosphorus: 12 ug/L
Transparency: 3.2 m
pH: 6.6

NH Water Quality Standards: Numeric criteria for specific parameters. Results exceeding criteria are considered a water quality violation.

Chloride: < 230 mg/L (chronic)
E. coli: > 88 cts/100 mL – public beach
E. coli: > 406 cts/100 mL – surface waters
Turbidity: > 10 NTU above natural level
pH: 6.5-8.0 (unless naturally occurring)

HISTORICAL WATER QUALITY TREND ANALYSIS

Parameter	Trend	Explanation
Chlorophyll-a	N/A	Ten consecutive years of data collection necessary for trend analysis.
Transparency	N/A	Ten consecutive years of data collection necessary for trend analysis.
Phosphorus (epilimnion)	N/A	Ten consecutive years of data collection necessary for trend analysis.



This report was generated by the NH DES Volunteer Lake Assessment Program (VLAP). For more information contact:
 Sara Steiner
 PO Box 95
 Concord, NH 03302-0095
 (603) 271-2658
 sara.steiner@des.nh.gov





Volunteer Lake Assessment Program Individual Lake Reports

RUSSELL RESERVOIR, HARRISVILLE, NH

MORPHOMETRIC DATA

Watershed Area (Ac.):	7,031	Max. Depth (m):	4.7	Flushing Rate (yr ⁻¹)	93.5
Surface Area (Ac.):	26	Mean Depth (m):	1.6	P Retention Coef:	0.14
Shore Length (m):	1,900	Volume (m ³):	170,000	Elevation (ft):	1160

TROPIC CLASSIFICATION

Year	Trophic class
1988	MESOTROPIC

KNOWN EXOTIC SPECIES

The Waterbody Report Card tables are generated from the 2012 305(b) report on the status of N.H. waters, and are based on data collected from 2001-2011.

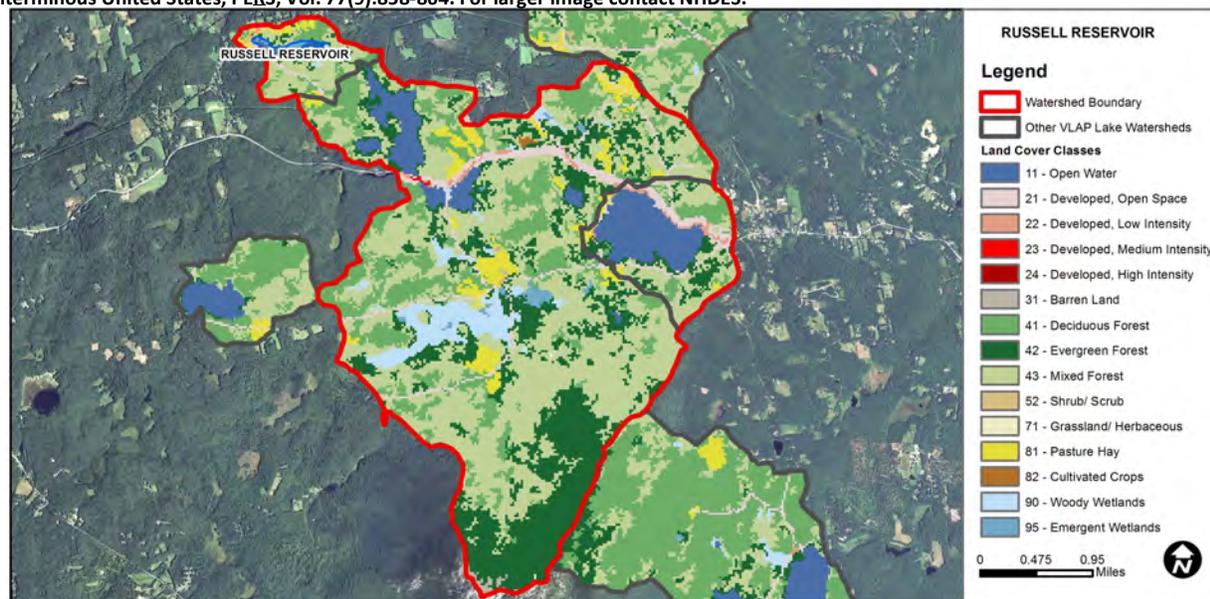
Designated Use	Parameter	Category	Comments
Aquatic Life	Phosphorus (Total)	Good	>/=5 samples and median is < threshold but > 1/2 threshold value.
	pH	Slightly Bad	>10% of samples exceed criteria by a small margin (minimum of 2 exceedances).
	D.O. (mg/L)	Encouraging	< 10 samples and no exceedance of criteria. More data needed.
	D.O. (% sat)	Slightly Bad	>10% of samples exceed criteria by a small margin (minimum of 2 exceedances).
	Chlorophyll-a	Good	>/=5 samples and median is < threshold but > 1/2 threshold value.
Primary Contact Recreation	E. coli	Encouraging	>2 samples exist that are > 75% of geometric mean criteria, but not enough samples to calculate geometric mean. No single sample exceedances. More data needed.
	Chlorophyll-a	Encouraging	< 10 samples and no exceedance of criteria. More data needed.

BEACH PRIMARY CONTACT ASSESSMENT STATUS

RUSSEL RESERVOIR - CHESHAM BEACH	E. coli	Bad	>/=1 exceedance(s) of geometric mean criterion and/or >/=2 exceedances of single sample criterion, with 1 or more >2X criteria.
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WATERSHED LAND USE SUMMARY

Fry, J., Xian, G., Jin, S., Dewitz, J., Homer, C., Yang, L., Barnes, C., Herold, N., and Wickham, J., 2011. Completion of the 2006 National Land Cover Database for the Conterminous United States, PERS, Vol. 77(9):858-864. For larger image contact NHDES.



Land Cover Category	% Cover	Land Cover Category	% Cover	Land Cover Category	% Cover
Open Water	6.9	Barren Land	0.31	Grassland/Herbaceous	0.04
Developed-Open Space	3.72	Deciduous Forest	16.16	Pasture Hay	4.48
Developed-Low Intensity	0.64	Evergreen Forest	22	Cultivated Crops	0.08
Developed-Medium Intensity	0.04	Mixed Forest	40.66	Woody Wetlands	3.77
Developed-High Intensity	0	Shrub-Scrub	0.05	Emergent Wetlands	0.78



VOLUNTEER LAKE ASSESSMENT PROGRAM INDIVIDUAL LAKE REPORTS

RUSSELL RESERVOIR, HARRISVILLE, NH

2012 DATA SUMMARY

OBSERVATIONS AND RECOMMENDATIONS (Refer to Table 1 and Historical Deep Spot Data Graphic)

- ♣ **CHLOROPHYLL-A:** Chlorophyll levels have increased since 2007. The 2012 levels were the highest measured since monitoring began and were slightly greater than the NH lake median.
- ♣ **CONDUCTIVITY/CHLORIDE:** Conductivity levels were low in 2012 and approximately equal to the NH lake median.
- ♣ **TOTAL PHOSPHORUS:** Epilimnetic (deep spot) phosphorus levels decreased slightly from 2011 and were approximately equal to the NH lake median. Epilimnetic phosphorus has generally increased steadily since 2007 which would explain the increased algal growth. Inlet phosphorus was slightly higher in 2012, and Beach phosphorus was also slightly high.
- ♣ **TRANSPARENCY:** Transparency decreased slightly in 2012 likely due to the increased algal growth. Historical trend analysis indicates a stable transparency since monitoring began.
- ♣ **TURBIDITY:** Turbidity levels were generally higher than normal in 2012 likely due to low water levels and stream flow.
- ♣ **pH:** pH levels were lower than desirable.
- ♣ **RECOMMENDED ACTIONS:** The increasing phosphorus and chlorophyll levels are concerning. Efforts should be made to educate watershed residents on ways to manage phosphorus loading to the pond through eliminating fertilizer usage, and reducing stormwater impacts from their properties, driveways and dirt roads. Utilize DES' "Homeowner's Guide to Stormwater Management" as a resource.

Table 1. 2012 Average Water Quality Data for RUSSELL RESERVOIR								
Station Name	Alk.	Chlor-a	Cond.	Total P	Trans.		Turb.	pH
	mg/l	ug/l	uS/cm	ug/l	m		ntu	
					NVS	VS		
Beach			39.1	17			1.86	6.29
Deep Epilimnion	1.7	5.49	39.3	12	1.87	2.37	1.31	6.27
Inlet			39.6	15			1.28	6.20
Outlet			39.0	11			1.44	6.30

NH Median Values: Median values for specific parameters generated from historic lake monitoring data.

Alkalinity: 4.9 mg/L

Chlorophyll-a: 4.58 mg/m³

Conductivity: 40.0 uS/cm

Chloride: 4 mg/L

Total Phosphorus: 12 ug/L

Transparency: 3.2 m

pH: 6.6

NH Water Quality Standards: Numeric criteria for specific parameters. Results exceeding criteria are considered a water quality violation.

Chloride: < 230 mg/L (chronic)

E. coli: > 88 cts/100 mL – public beach

E. coli: > 406 cts/100 mL – surface waters

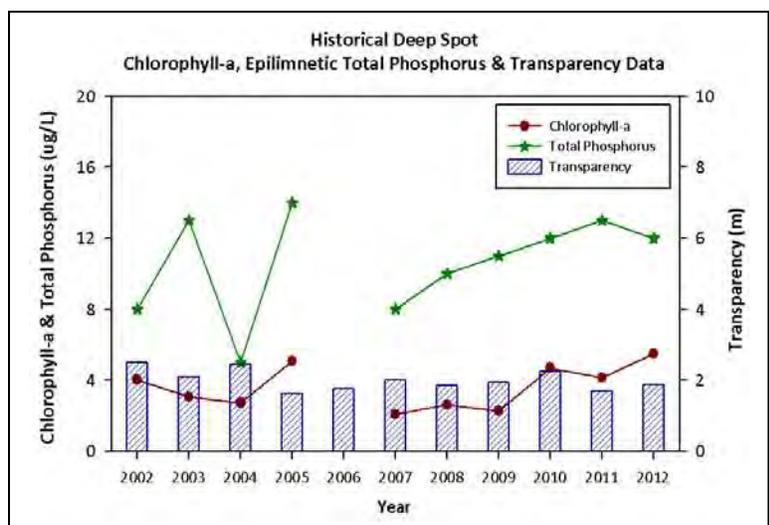
Turbidity: > 10 NTU above natural level

pH: 6.5-8.0 (unless naturally occurring)

HISTORICAL WATER QUALITY TREND ANALYSIS

Parameter	Trend	Explanation
Chlorophyll-a	N/A	Ten consecutive years of data collection necessary to determine trends.
Transparency	Stable	Data not significantly increasing or decreasing.
Phosphorus (epilimnion)	N/A	Ten consecutive years of data collection necessary to determine trends.

This report was generated by the NH DES Volunteer Lake Assessment Program (VLAP). For more information contact:
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Volunteer Lake Assessment Program Individual Lake Reports

SILVER LAKE, HARRISVILLE, NH

MORPHOMETRIC DATA

Watershed Area (Ac.):	1,408	Max. Depth (m):	26.2	Flushing Rate (yr ⁻¹)	0.2
Surface Area (Ac.):	333	Mean Depth (m):	10.4	P Retention Coef:	0.79
Shore Length (m):	7,400	Volume (m ³):	13,878,500	Elevation (ft):	1319

TROPHIC CLASSIFICATION

Year	Trophic class
1990	OLIGOTROPIC
1998	OLIGOTROPIC

KNOWN EXOTIC SPECIES

The Waterbody Report Card tables are generated from the 2012 305(b) report on the status of N.H. waters, and are based on data collected from 2001-2011.

Designated Use	Parameter	Category	Comments
Aquatic Life	Phosphorus (Total)	Very Good	>5 samples and median is < 1/2 threshold.
	pH	Bad	>10%, with a minimum of 2, samples exceed criteria, with 1 or more by a large margin.
	D.O. (mg/L)	Encouraging	< 10 samples and no exceedance of criteria. More data needed.
	D.O. (% sat)	Encouraging	< 10 samples and no exceedance of criteria. More data needed.
	Chlorophyll-a	Good	>=5 samples and median is < threshold but > 1/2 threshold value.
Primary Contact Recreation	E. coli	No Data	No Data for this parameter.
	Chlorophyll-a	Very Good	At least 10 samples with 0 exceedances of criteria.

WATERSHED LAND USE SUMMARY

Fry, J., Xian, G., Jin, S., Dewitz, J., Homer, C., Yang, L., Barnes, C., Herold, N., and Wickham, J., 2011. Completion of the 2006 National Land Cover Database for the Conterminous United States, PERS, Vol. 77(9):858-864. For larger image contact NHDES.



Land Cover Category	% Cover	Land Cover Category	% Cover	Land Cover Category	% Cover
Open Water	23.7	Barren Land	0.07	Grassland/Herbaceous	0
Developed-Open Space	2.88	Deciduous Forest	31.44	Pasture Hay	0.29
Developed-Low Intensity	0.03	Evergreen Forest	14.02	Cultivated Crops	0.15
Developed-Medium Intensity	0	Mixed Forest	26.37	Woody Wetlands	0.76
Developed-High Intensity	0	Shrub-Scrub	0	Emergent Wetlands	0.26



VOLUNTEER LAKE ASSESSMENT PROGRAM INDIVIDUAL LAKE REPORTS

SILVER LAKE, HARRISVILLE, NH

2012 DATA SUMMARY

OBSERVATIONS AND RECOMMENDATIONS (Refer to Table 1 and Historical Deep Spot Data Graphic)

- 🔥 **CHLOROPHYLL-A:** Chlorophyll levels were low and well below the NH lake median. Historical trend analysis indicates a stable chlorophyll level since monitoring began.
- 🔥 **CONDUCTIVITY/CHLORIDE:** Conductivity was low at all stations and well below the NH lake median.
- 🔥 **TOTAL PHOSPHORUS:** Deep spot phosphorus levels were very low and below the NH lake median. Historical trend analysis indicates a relatively stable epilimnetic (upper water layer) phosphorus level since monitoring began. Sucker Brook and Lead Mine Inlet 1 phosphorus levels were elevated in July potentially due to low flow conditions.
- 🔥 **TRANSPARENCY:** Transparency remained stable throughout the summer and was well above the NH lake median. Historical trend analysis indicates a relatively stable transparency since monitoring began.
- 🔥 **TURBIDITY:** Turbidity in Lead Mine Inlet 1 was slightly elevated in July which could have contributed to the phosphorus level. All other turbidities were low.
- 🔥 **pH:** pH levels were lower than desirable and potentially critical to aquatic life.
- 🔥 **RECOMMENDED ACTIONS:** Continue to educate watershed residents on ways to reduce phosphorus loading to the lake to maintain water quality. Monitor stormwater runoff from dirt and gravel roads and implement best management practices to control erosion were necessary. Keep up the great work!

Station Name	Table 1. 2012 Average Water Quality Data for SILVER LAKE							
	Alk.	Chlor-a	Cond.	Total P	Trans.		Turb.	pH
	mg/l	ug/l	uS/cm	ug/l	m		ntu	
					NVS	VS		
Eastside Inlet			20.0	5			0.16	5.43
Deep Epilimnion	1.4	1.59	22.1	3	7.67	10.0	0.32	6.33
Deep Metalimnion			21.7	5			0.59	6.42
Deep Hypolimnion			23.0	9			0.51	5.82
Lead Mine Inlet 1			26.7	10			0.97	6.26
Lead Mine Inlet 2			25.0	6			0.86	6.40
Outlet In Stream			22.0	3			0.39	6.42
Sandy Bch Inlet 1			28.0	7			0.44	6.51
Sucker Brook			14.3	24			0.68	5.30

NH Median Values: Median values for specific parameters generated from historic lake monitoring data.

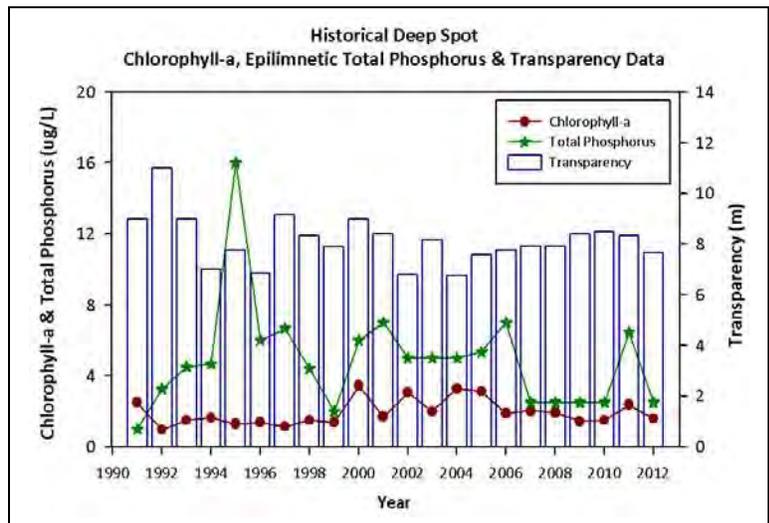
Alkalinity: 4.9 mg/L
Chlorophyll-a: 4.58 mg/m³
Conductivity: 40.0 uS/cm
Chloride: 4 mg/L
Total Phosphorus: 12 ug/L
Transparency: 3.2 m
pH: 6.6

NH Water Quality Standards: Numeric criteria for specific parameters. Results exceeding criteria are considered a water quality violation.

Chloride: < 230 mg/L (chronic)
E. coli: > 88 cts/100 mL – public beach
E. coli: > 406 cts/100 mL – surface waters
Turbidity: > 10 NTU above natural level
pH: 6.5-8.0 (unless naturally occurring)

HISTORICAL WATER QUALITY TREND ANALYSIS

Parameter	Trend	Explanation
Chlorophyll-a	Stable	Data not significantly increasing or decreasing.
Transparency	Stable	Data not significantly increasing or decreasing.
Phosphorus (epilimnion)	Stable	Data not significantly increasing or decreasing.



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Volunteer Lake Assessment Program Individual Lake Reports

SKATUTAKEE, LAKE, HARRISVILLE, NH

MORPHOMETRIC DATA

Watershed Area (Ac.):	11,200	Max. Depth (m):	6.2	Flushing Rate (yr ⁻¹)	8.3
Surface Area (Ac.):	261	Mean Depth (m):	2.9	P Retention Coef:	0.46
Shore Length (m):	6,100	Volume (m ³):	3,044,500	Elevation (ft):	1202

TROPIC CLASSIFICATION

Year	Trophic class
1988	MESOTROPHIC
2006	MESOTROPHIC

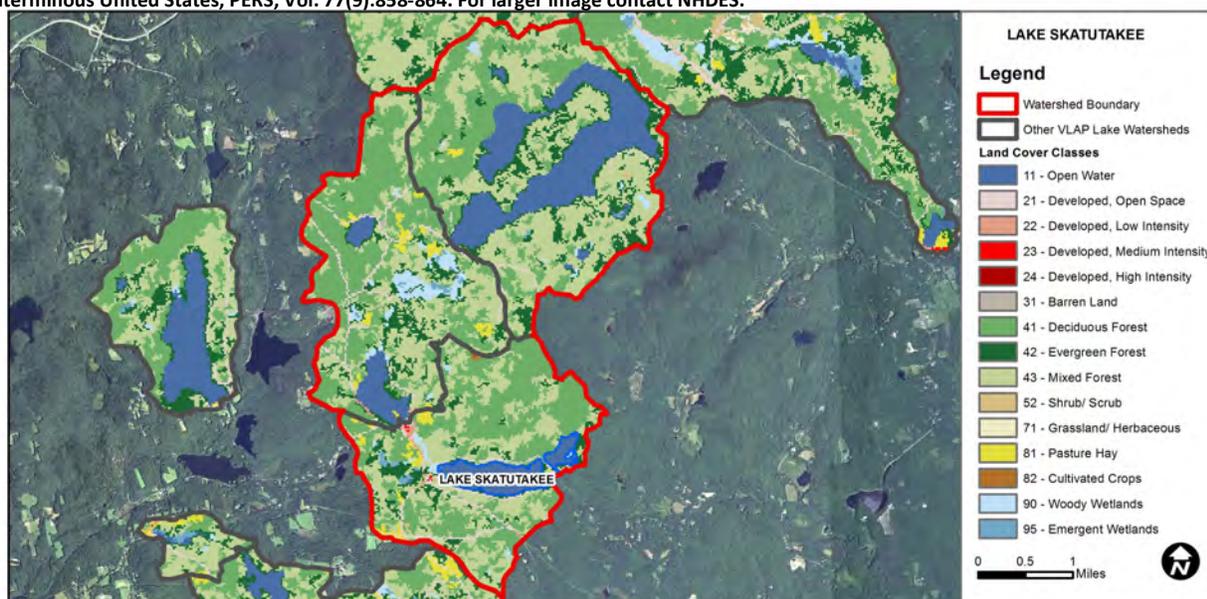
KNOWN EXOTIC SPECIES

The Waterbody Report Card tables are generated from the 2012 305(b) report on the status of N.H. waters, and are based on data collected from 2001-2011.

Designated Use	Parameter	Category	Comments
Aquatic Life	Phosphorus (Total)	Good	>=5 samples and median is < threshold but > 1/2 threshold value.
	pH	Slightly Bad	>10% of samples exceed criteria by a small margin (minimum of 2 exceedances).
	D.O. (mg/L)	Encouraging	< 10 samples and no exceedance of criteria. More data needed.
	D.O. (% sat)	Slightly Bad	>10% of samples exceed criteria by a small margin (minimum of 2 exceedances).
	Chlorophyll-a	Good	>=5 samples and median is < threshold but > 1/2 threshold value.
Primary Contact Recreation	E. coli	Encouraging	>2 samples exist that are > 75% of geometric mean criteria, but not enough samples to calculate geometric mean. No single sample exceedances. More data needed.
	Chlorophyll-a	Very Good	At least 10 samples with 0 exceedances of criteria.

WATERSHED LAND USE SUMMARY

Fry, J., Xian, G., Jin, S., Dewitz, J., Homer, C., Yang, L., Barnes, C., Herold, N., and Wickham, J., 2011. Completion of the 2006 National Land Cover Database for the Conterminous United States, PERS, Vol. 77(9):858-864. For larger image contact NHDES.



Land Cover Category	% Cover	Land Cover Category	% Cover	Land Cover Category	% Cover
Open Water	14.2	Barren Land	0.03	Grassland/Herbaceous	0.01
Developed-Open Space	2.17	Deciduous Forest	33.73	Pasture Hay	1.57
Developed-Low Intensity	0.31	Evergreen Forest	10.55	Cultivated Crops	0.04
Developed-Medium Intensity	0.03	Mixed Forest	34.67	Woody Wetlands	2
Developed-High Intensity	0	Shrub-Scrub	0.09	Emergent Wetlands	0.44

APPENDIX E
CONSERVATION LANDS

Update: Conservation Lands

- 1. New England Forestry Foundation (178 ac.)
- 2. Snyder Family (Harris Center) (~ 39 ac.)
- ▲3. Abbott Associates (Town of Harrisville) (25 ac.)
- ◇4. State of New Hampshire
- ◇5. State of New Hampshire (25 ac)
- 6. Peter H. Allen (Monadnock Conservancy) (25 ac.)
- 7. Historic Harrisville (Harris Center) (12.9 ac.)
- ▲8. Village Lakes Assn. (Town of Harrisville) (36.6 ac.)
- 9. Anne Howe (SPNHF) (115 ac.)
- 10. Ray and Kathy Bollerud (Historic Harrisville) (69 ac.)
- 11. Henry Dawes (Monadnock Conservancy) (10 ac.)
- 12. Harris Center for Conservation Education (402 ac.)
- 13. Noel Greiner and Christine Destrempes (Monadnock Conservancy) (75 ac.)
- 14. Harris Center for Conservation Education (144 ac.)
- 15. David and Phoebe Houghton (Harris Center) (305 ac.)
- 16. Noel Greiner and Christine Destrempes (Monadnock Conservancy)(31.2 ac.)
- 17. Max and Constance Boyd (Harris Center) (32 ac.)
- 18. Harris Center for Conservation Education (233 ac.)
- 19. U.S. Government Corp of Engineers (209 ac.)
- 20. Jean Rosenthal (Harris Center) (120 ac.)
- 21. Abe Woolfe (SPNHF) (92 ac.)
- 22. Louella Mann (Harris Center) (33 ac.)
- 23. Doug Viles (Monadnock Conservancy) (68 ac.)
- 24. Heribert Tryba (Historic Harrisville) (30 ac.)
- 25. David Putnam (Monadnock Conservancy) (3.6 ac.)
- 26. Eleanor Drury (Monadnock Conservancy) (5.9 + .8 ac.)

- 27. Eleanor Drury (Monadnock Conservancy) (16.5 ac.)
- 28. Anne Ryan (Monadnock Conservancy) (10.2 ac.)
- 29. City of Keene watershed (22 ac.)
- 30. Jane Shuffleton (Monadnock Conservancy) (13.7 ac.)
- 31. David Blair (Harris Center) (51 ac.)
- 32. Paul Geddes (Harris Center) (33 ac.)
- 33. Buckingham, Brown and Nichols (Harris Center) (89 ac.)
- 34. Willard Richardson Land (Harris Center) (32 ac.)
- 35. Judith Patton (Monadnock Conservancy) (10 ac.)
- 36. Wally Francis (Monandock Conservancy) (1.5 ac.)

■ Fee owned by conservation organization

- Conservation Easement

▲ Development Common Land (cannot be further developed)

◇ State of New Hampshire

- US Corps of Engineers

- Municipality owned watershed