

TOWN OF NORTH SALEM

COMPREHENSIVE PLAN

TRAFFIC WATER OPEN SPACE

THURSDAY, JULY 24, 7:00pm

at the RUTH KEELER MEMORIAL LIBRARY

PLEASE COME JOIN THE DISCUSSION SHARE YOUR IDEAS

Town of North Salem 2008 Comprehensive Plan Status report



July 24, 2008

Comprehensive Plan – The Team

- John White
- Janice Will – secretary
- Drew Outhouse traffic
- Charlotte Harris water
- Pam Pooley open space
- Martin Aronchick landmarks & open space
- Peter Wiederhorn traffic
- Catherine Daniels recreation & school
- Robert Kotch traffic - volunteer
- Ferrandino Assoc - Planner

Comprehensive Plan Agenda July 24, 2008

- Transportation
 - _____
- Open space
 - _____
- Water
 - _____
- What's next
 - Historic preservation
 - Recreation
 - Land use
 - Zoning
- Town surveys – Workshops

What May a Comprehensive Plan Address?

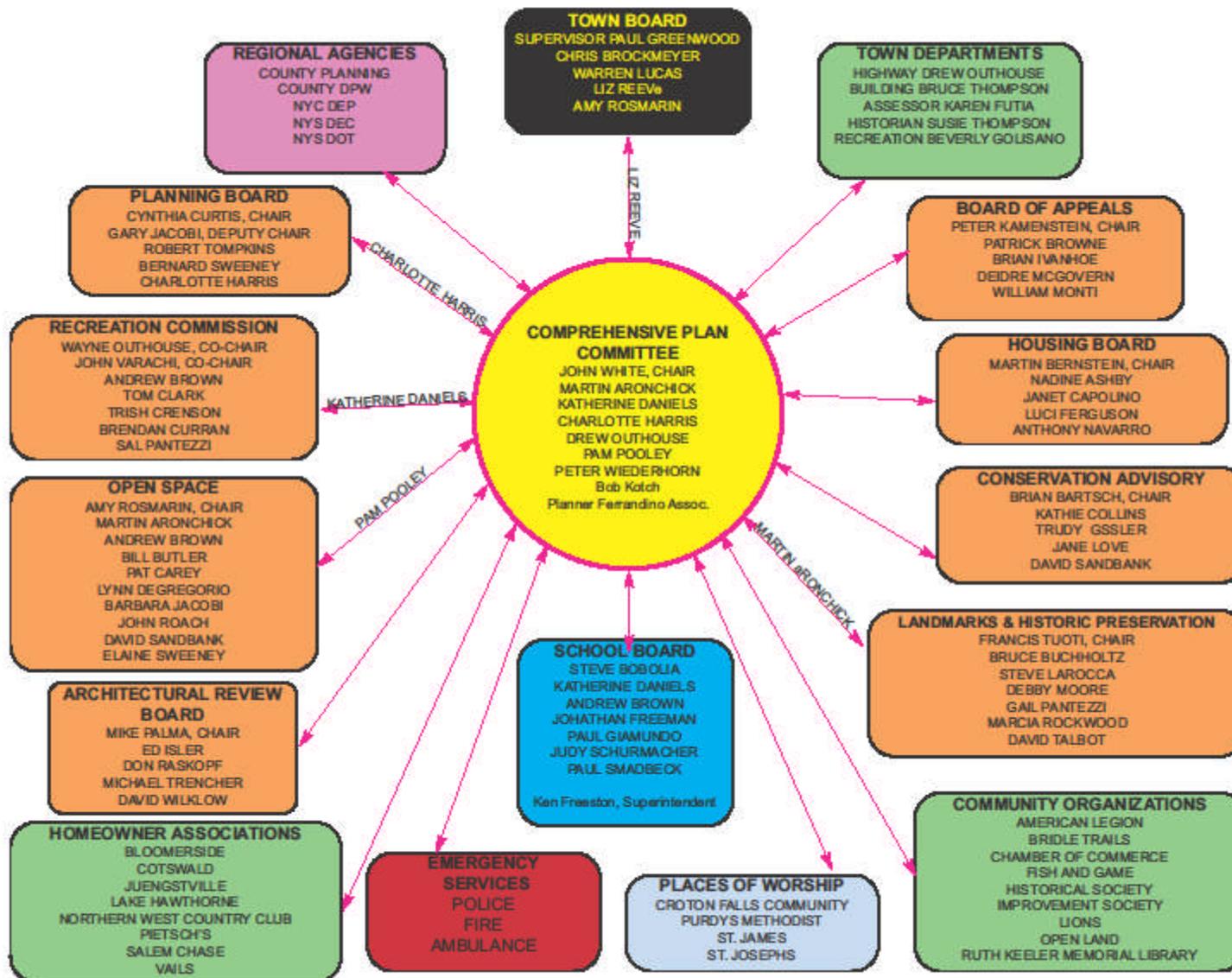
(As Presented 2/27)

- Goals, objectives and long-range enhancement growth and development of the community
- Existing and proposed land uses and their intensity
- Agricultural uses , historical resources, cultural resources, natural resources and sensitive environmental area
- Population, demographic and socioeconomic area
- *Transportation facilities*
- *Utilities and infrastructure*
- Proposed means to implement goals objectives and policies

2008 CP - Next Steps –

(as presented 2/27)

- *2006 CPU – declared incomplete*
- *Town Board – appoint Comprehensive Plan Team*
- *Town Board – Provide Vision*
- *Training – CP Committee*
- *Initial work plan – tasks – activities – linkages*
- *Data collection, existing studies, identify what's missing*
- TB Goals + CP input + *Public input*
- Finalize Work plan – Complete studies
- Public input
- Formalize – DEIS



CPC Agenda July 24, 2008

- *Transportation*
 - _____
- Open space
 - _____
- Water
 - _____
- What's next
 - Historic preservation
 - Recreation
 - Land use
 - Zoning
- Town surveys – Workshops

Transportation

- CPU transportation goals and objectives
- CPU transportation work tasks
 - Traffic volumes - regional and local
 - DEIS studies
 - Town traffic counts
 - Roadway network
 - Mobility choices – mass transit, bicycle, pedestrian, horse
 - Transportation issues
 - Identify action strategies for transportation component

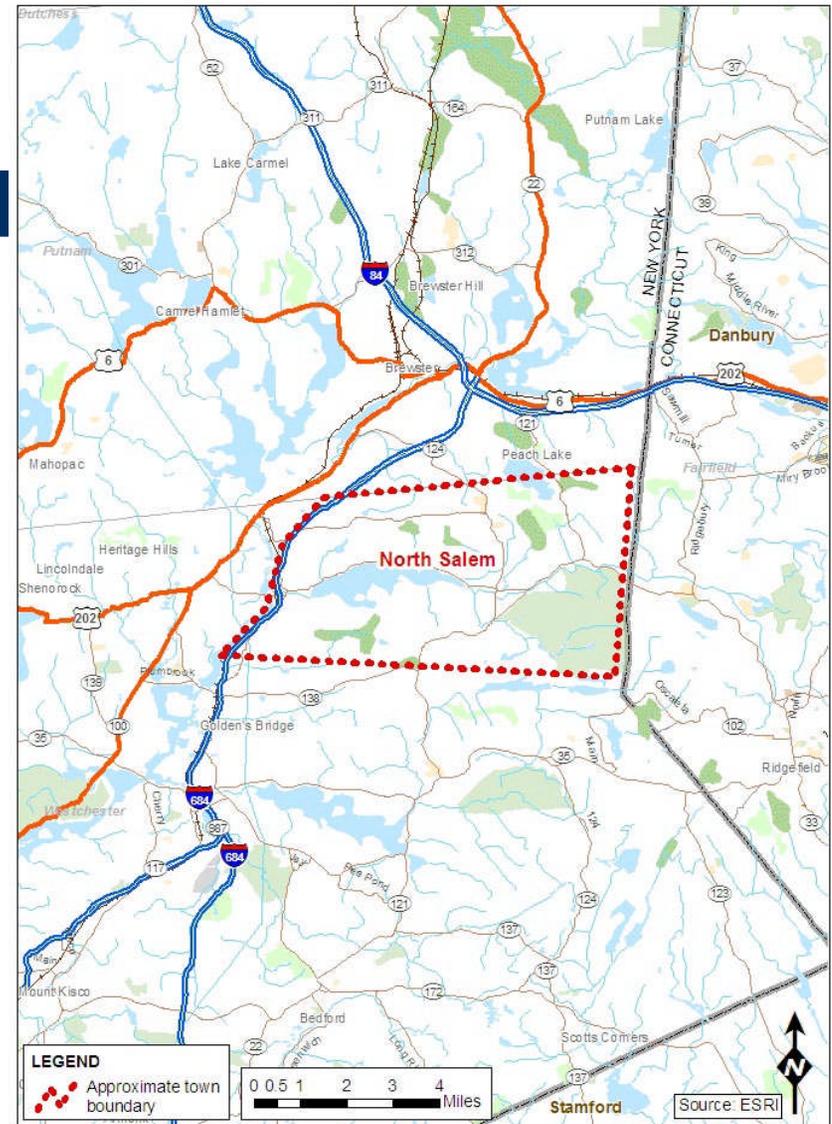
Where are we?

- Began data collection
- Began agency coordination – DOT, adjacent communities
- Need to continue to synthesize data and information
- Need to meet with the community and conduct workshops
- Need to formulate draft action strategies and recommendations



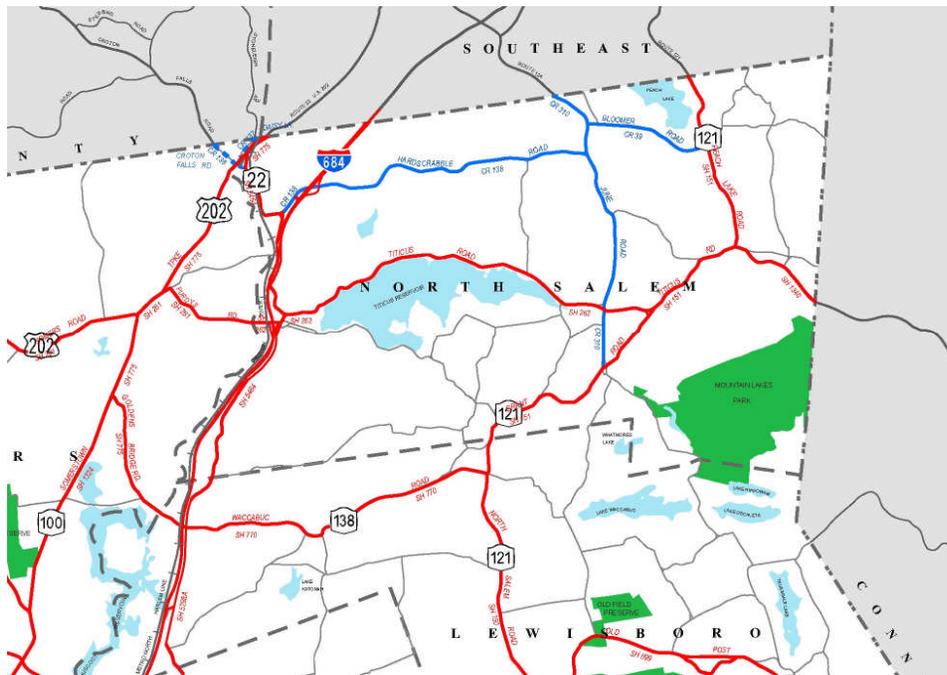
The Region

- North Salem traffic is affected by the region surrounding it
- Interstate facilities (I-684 and I-84)



North Salem Roadway Network

State, County and Local roads
functional classification

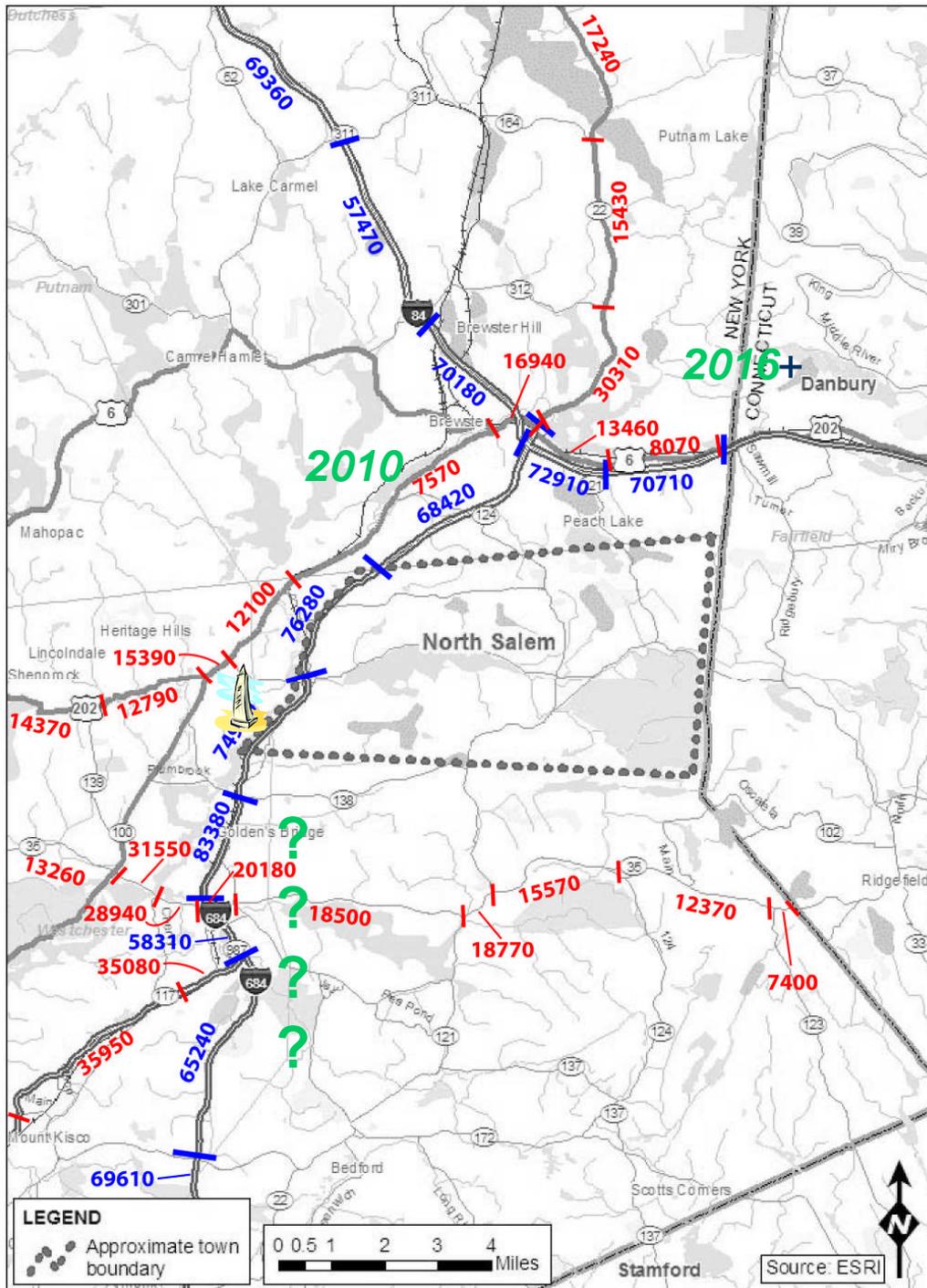


Traffic Volumes

- Regional traffic volumes
- Local traffic volumes - schools, sports fields, Mountain Lakes camp, recreational facilities,
- Major traffic generators –, IBM, Pepsi, etc



Average Annual
Daily Traffic Volumes



Meeting of CPC with DOT

R Peters

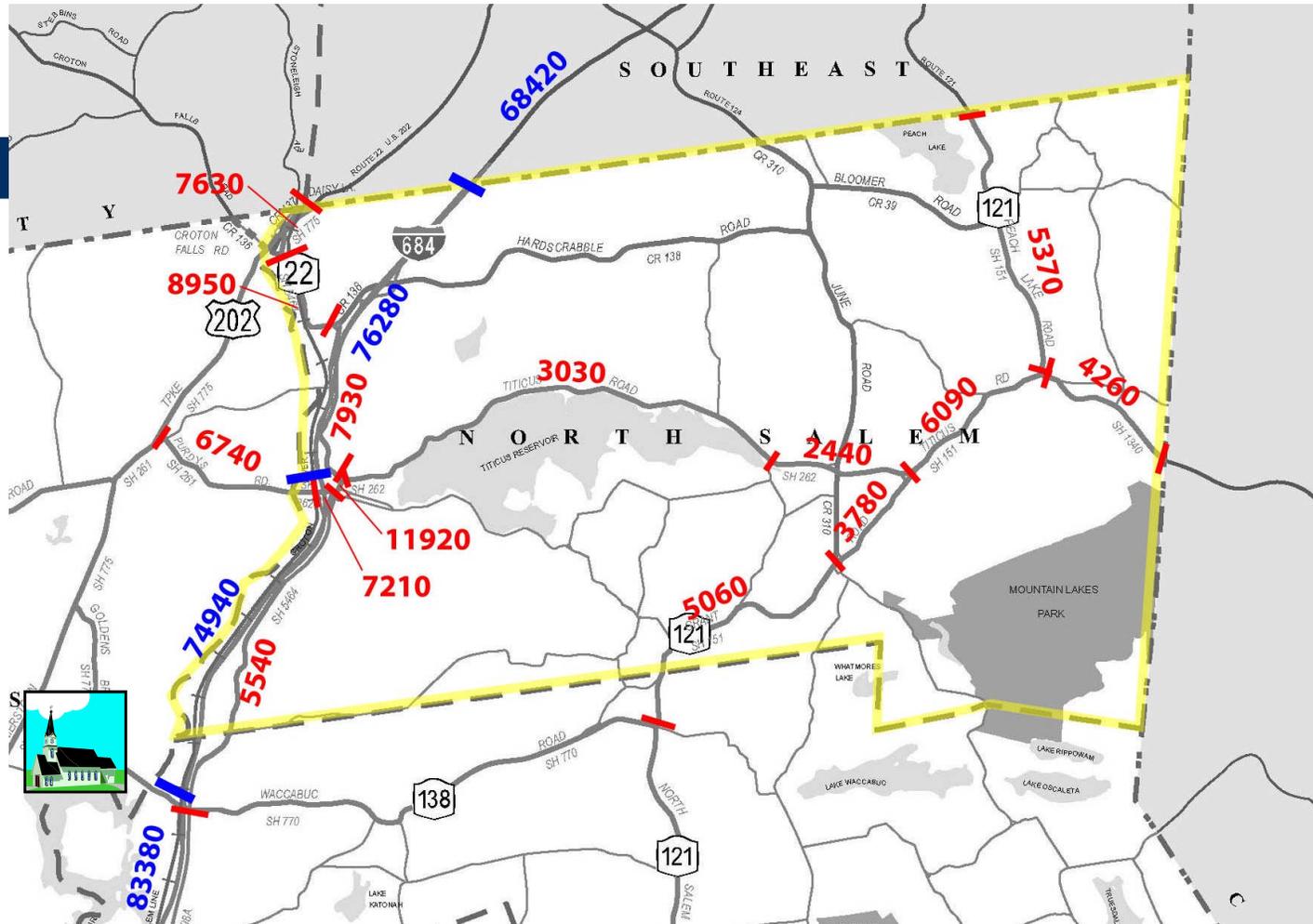
When Rte 684 Southbound Backs @ Rte 35 We Get the Overflow on Rte 22 in Purdys



NYSDOT Hasn't Studied but a Quick Fix Seems Possible



Average Annual Daily Traffic Volumes



Meeting with Somers Planner



Busy Hour Ratings

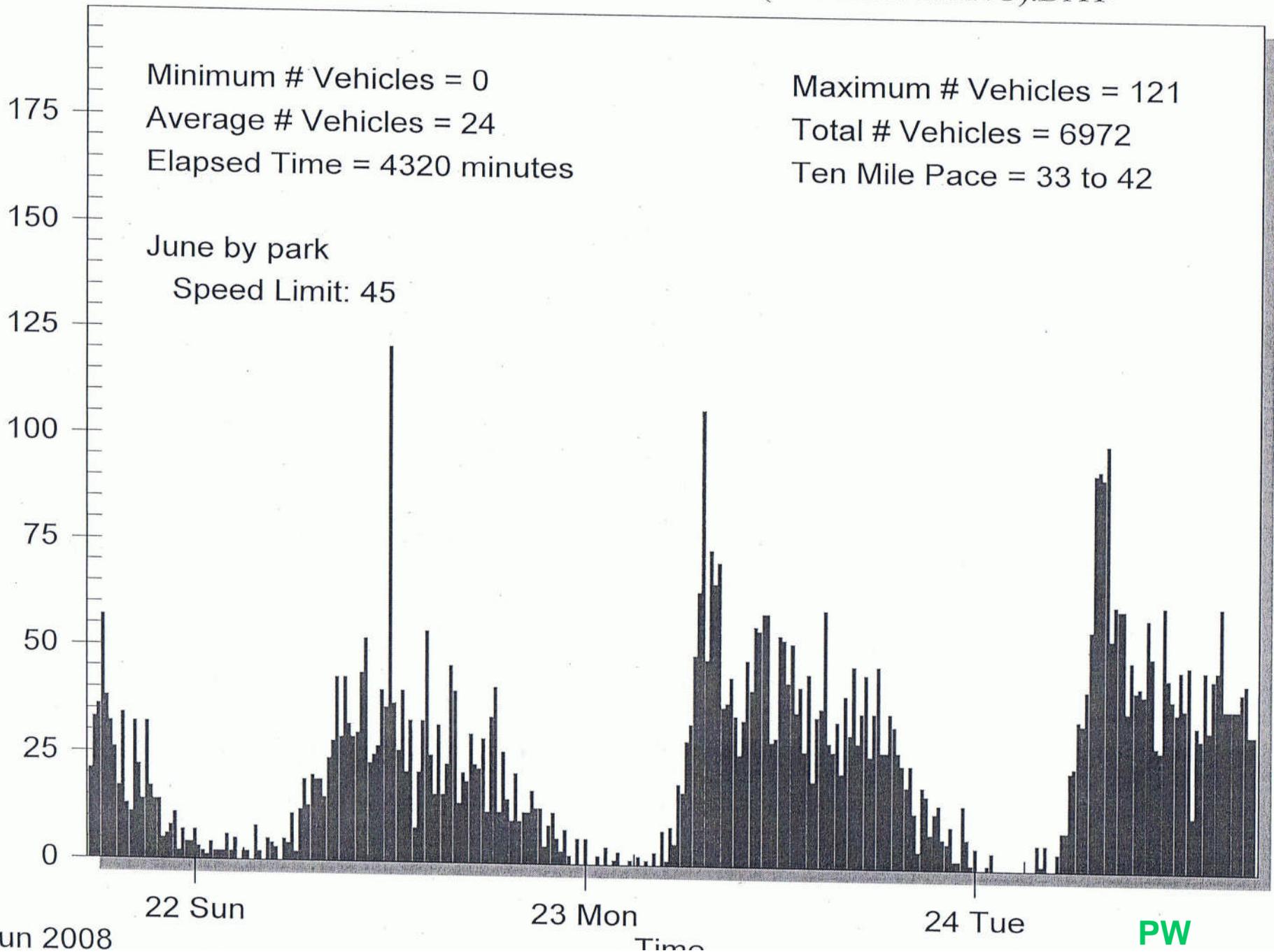
(Partial Data)

	IBM Expansion	Orchard Hill	Highgate	Marriott	Woodlands	Salem Hunt
Hardscrabble/684		D	D	F		
Hardscrabble/22		F	F	F		
Hardscrabble/June		C				D
June/Titicus		C				D
116/121		C				
June/Bloomer		F				E
Hardscrabble/Reed			F			
Bloomer/Peach Lake		D				E
22/Titicus		F	D	F		
22/Croton Falls Rd		E				
22/Mahopac Ave				F		

RK

CARS VS. TIME

FILENAME: <08062117 JUNE BY PARK (APPROACHING).DAT>



Roadway Network

- Key corridors
- Critical intersections/locations
- Safety concerns – sight distances – volumes
- Maintaining rural character
- Future improvements/mitigation



Mobility Choices

- Mass transit/parking
- Bicycle
- Pedestrian
- Horse trails
- School issues



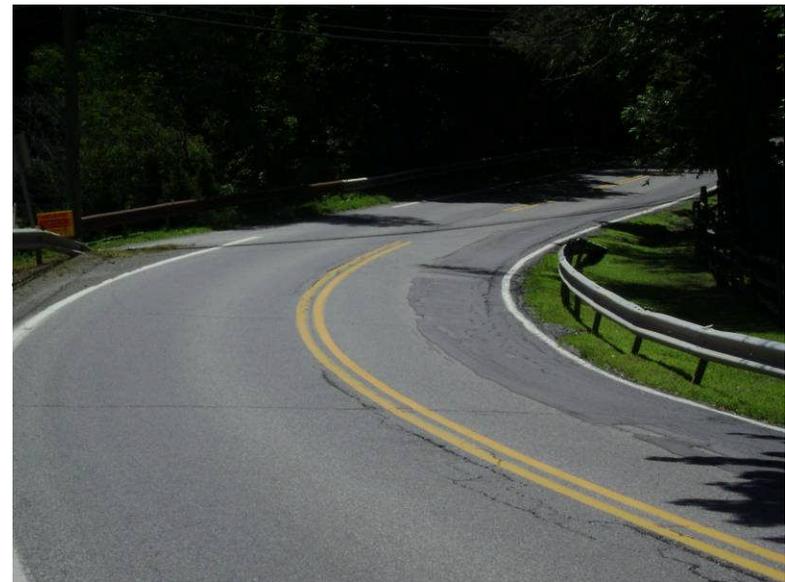
Development Applications and Review

- What do the pending site plan applications mean in terms of traffic changes?
- What is a traffic impact and what are mitigation measures?
 - Do we want mitigation measures with traffic lights?
 - Do we want mitigation measures with roundabouts?
- How can the review process be improved for the town?



Transportation Issues

- Pavement management
 - Capital Improvement Plan
 - Drainage
 - Paving
 - Maintenance Plan
 - Sight distance – vegetation,
 - Drainage
- Incident management
- Scenic roads
- Roadway signing



What We Learned

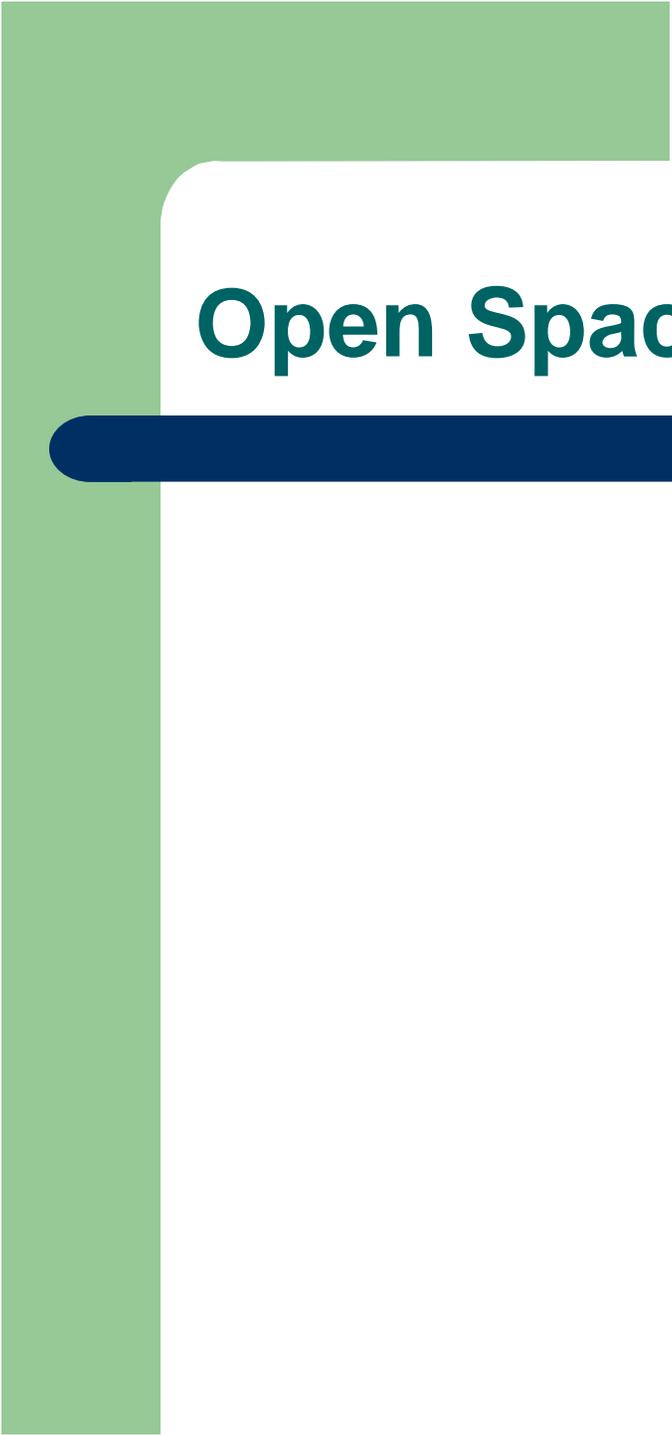
- NYSDOT – no solutions unless we provide a unified push
- Traffic ratings have changed over time.
 - Level F in 1998 not equal to F in 2008.
- Traffic counts don't capture "Interstate gridlock" incidents
- Past projections on DEISs understated forecasted traffic volumes
 - Many DEISs used a 2% growth factor – actual 3% or more.-
 - And our cup is full
- We have traffic problems. There are some possible solutions.
 - Get control of county roads – June road, Hardscrabble, Bloomer
 - Safety – Speed / Police - Speed / Auto Radar. Sight – signs .vegetation.
 - Work with adjoining towns, state, county and MTA.
- Opportunity to work with school – shared issues
 - Town needs buses to manage mountain lakes camp traffic
 - School needs fields to optimize central location
 - minimize travel for buses and parents – remove traffic from small neighborhoods

Your Thoughts?

- What are the transportation issues affecting North Salem and the region?
- What are the key/critical intersections and corridors in town? –
- What would you like to see for transportation in the future?
 - Bike paths? Park & ride?
- What suggestions do you have
 - Radar unit with Photos – ticket or warning – (NS Improvement Society)
 - Speed bumps – slow down grooves in road (Sunset Hardscrabble)
 - Police car presence
 - Improve sight distances – overgrown triangles

CPC Agenda July 24, 2008

- Transportation
 - _____
- **Open space**
 - _____
- Water
 - _____
- What's next
 - Historic preservation
 - Recreation
 - Land use
 - Zoning
- Town surveys – Workshops



Open Space Committee



Open Space Committee

Amy Rosmarin (Chair and member of Town Board)

Martin Aronchick (member of CPC)

Andrew Brown (member of School Board and Recreation Committee)

Bill Butler

Cynthia Curtis (Planning Board
Chair)

Pat Carey

Pam Pooley (CPC Liaison)

Lynn DeGregorio

Gloria Stein (exofficio)

Barbara Jacobi

Graham L. Trelstad (AKRF
Consultant)

John Roach

David Sandbank

Elaine Sweeney

Open Space Committee

Original Focus



Current Focus

Open Space Committee Plan

Planning tool

- Maintain the rural character of the Town
- Protect environmentally sensitive lands and habitats
- Provide opportunities for recreation

Map Overlays

Recreation

Historic

Natural Resources

Visual

Participating Committees

Recreation – Recreation Committee

Historic – Historic Landmarks and Preservation Commission

Natural Resources – Conservation Advisory Council

Visual – Open Space Committee



Map Overlays



Recreation

Historic

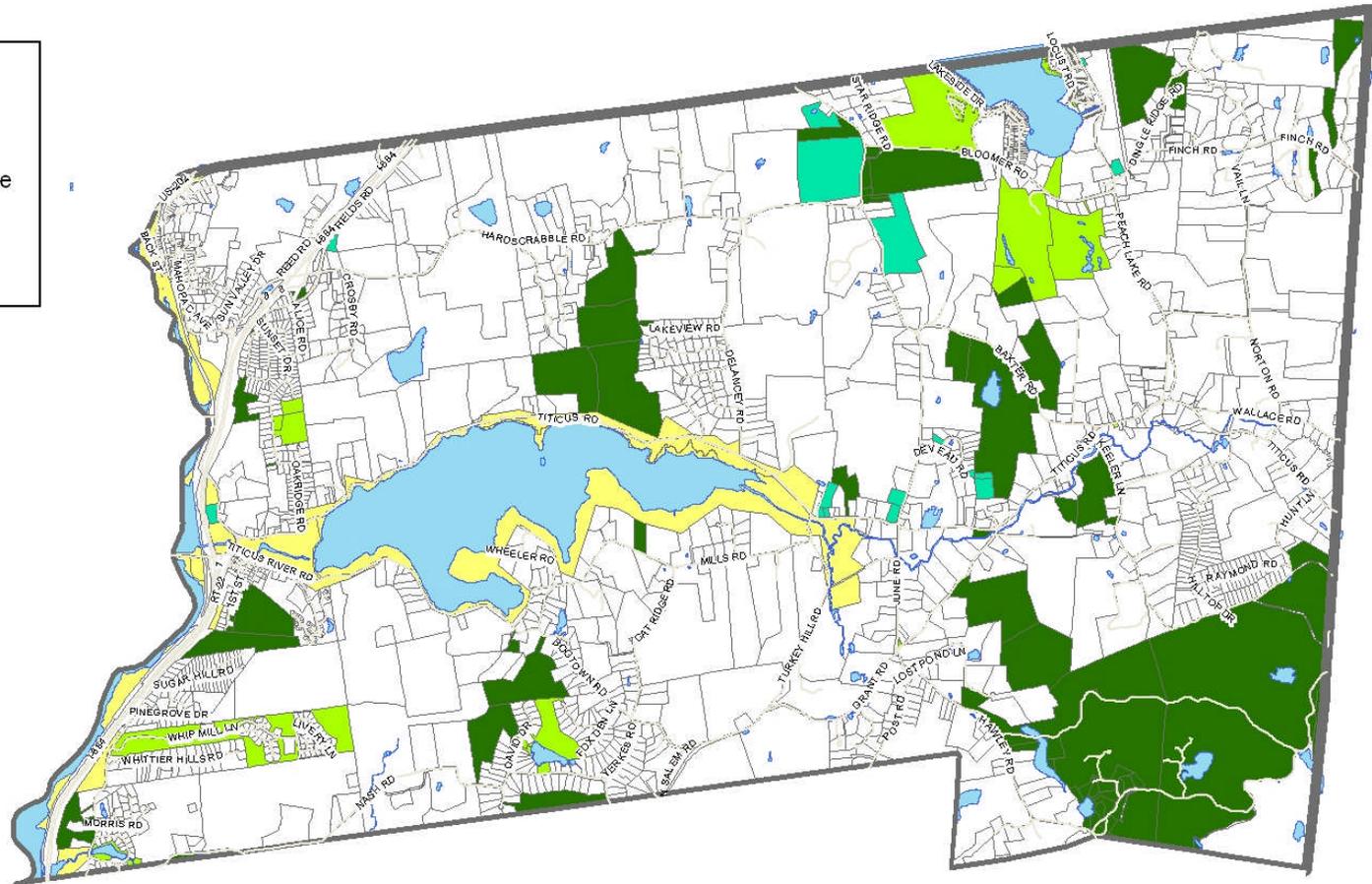
Natural Resources

Visual

Legend

- Community Facilities
- Parks and Open Space
- NYCDEP
- Conservation Lands

DRAFT



Recreation Committee

Wayne Outhouse (Co-Chair)

John P. Varachi (Co-Chair)

Andrew Brown

Thomas Clark

Trish Crenson

Brendon Curran

Sal Pantezzi

Recreation Inventory

Playing fields

Play grounds

Walking trails

Parks

Bridle trails

Places to fish

Private neighborhood lakes

Mountain Lakes Camp

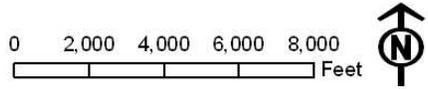
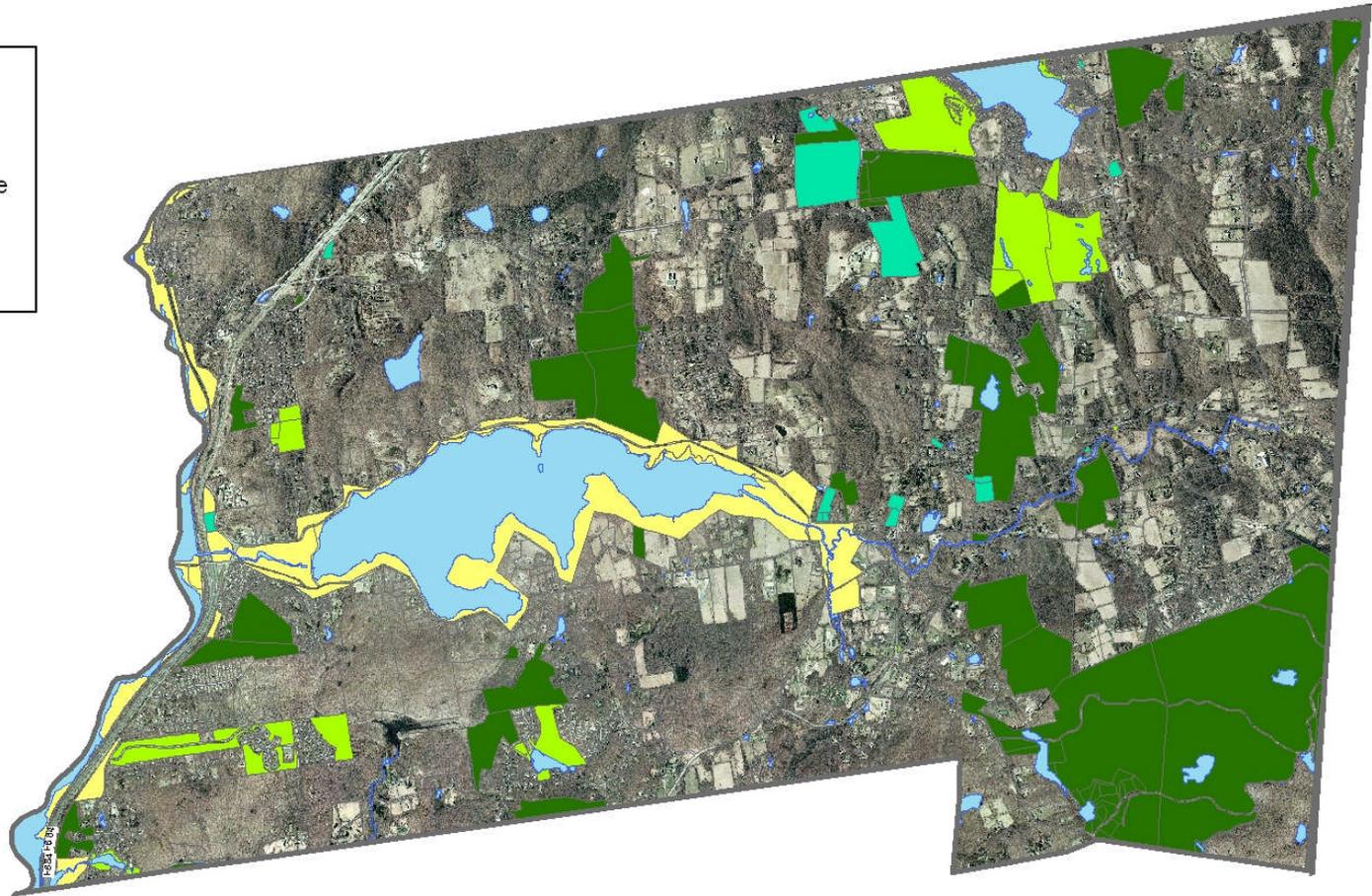
Cultural centers

Etc.

Legend

- Community Facilities
- Parks and Open Space
- NYCDEP
- Conservation Lands

DRAFT



Landmarks and Historic Preservation Commission

Town Historian - Susan Thompson

Committee members

Francis Tuoti (Chair)

Bruce Buchholtz

Steven LaRocca

Debby Moore

Gail Pantezzi

David Talbot

Marcia Rockwood

Landmarks and Historic Preservation Inventory

National, state and local historic landmarks

Potential historic designation

- Sites
- Homes
- Districts
- Roads

Conservation Advisory Council

Brian Bartsch (Chair)

Kathie Collins

Trudy Gessler

Jane Love

David Sandbank



Natural Resources Inventory



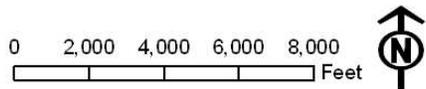
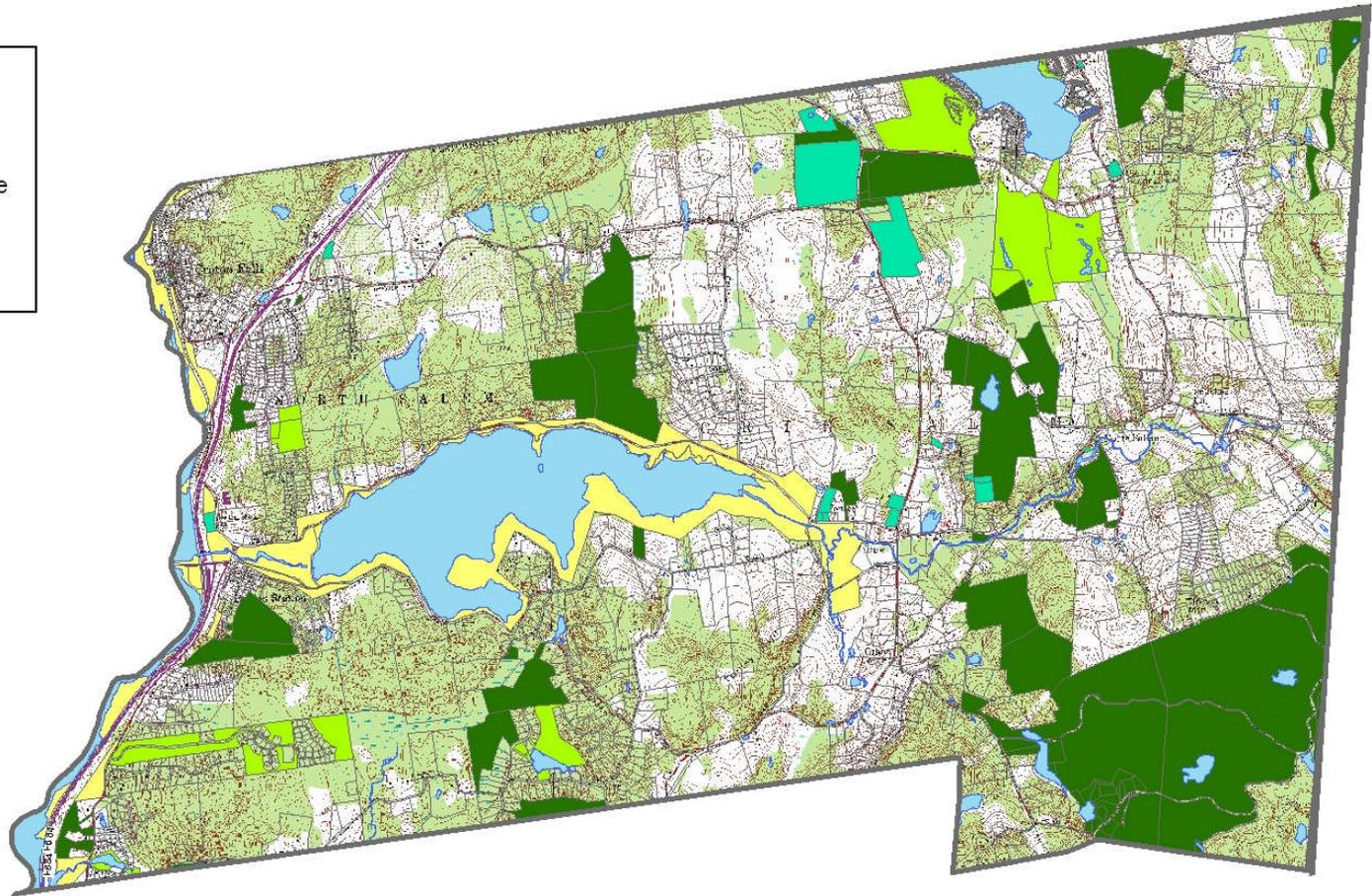
Wetlands

Biodiversity

Legend

- Community Facilities
- Parks and Open Space
- NYCDEP
- Conservation Lands

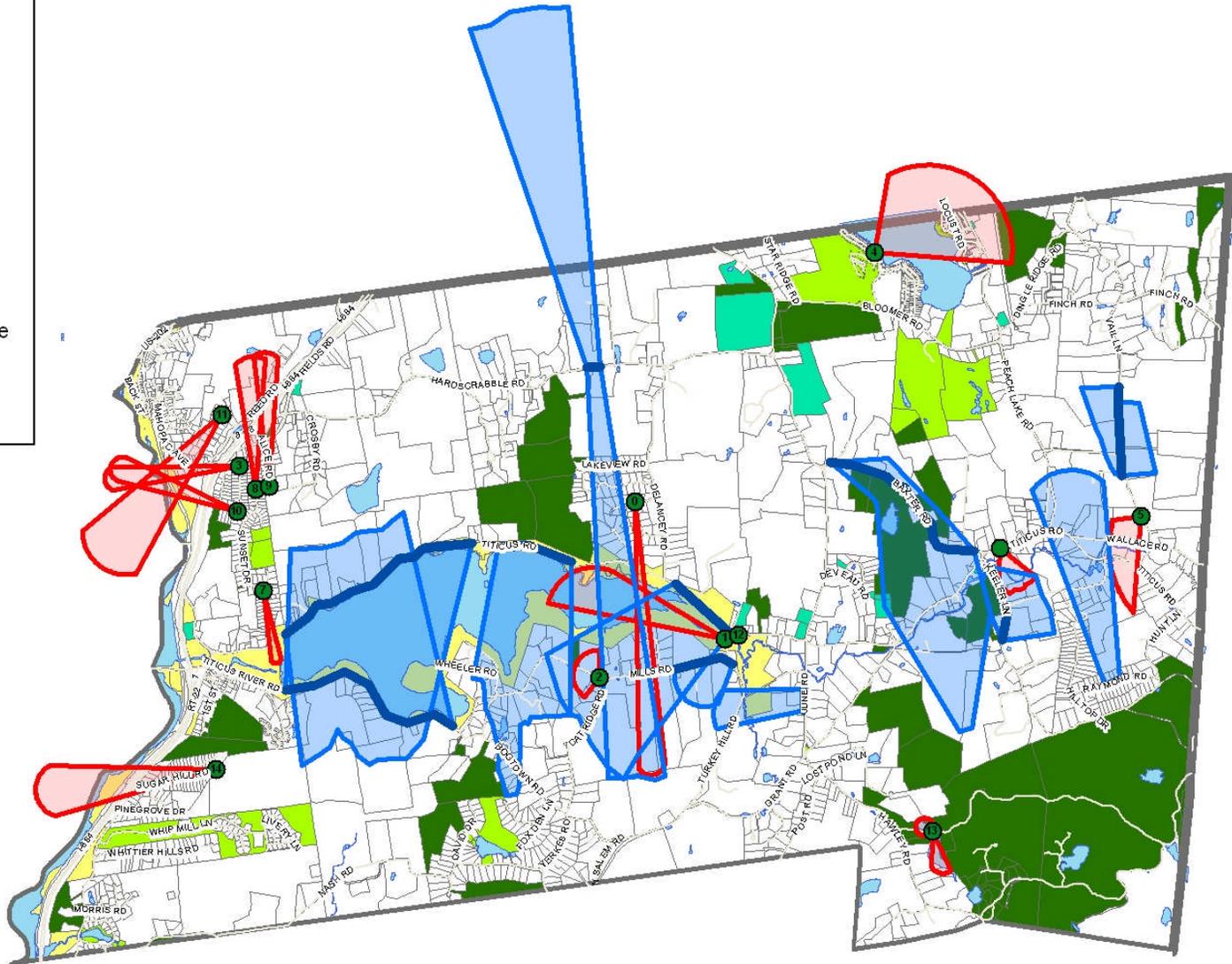
DRAFT



Legend

- Viewshed Origin
- View Corridor Origin
- Corridor Boundary
- Viewshed Boundary
- Corridor
- Viewshed
- Community Facilities
- Parks and Open Space
- NYCDEP
- Conservation Lands

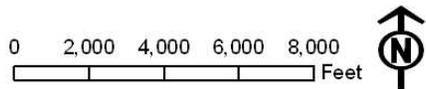
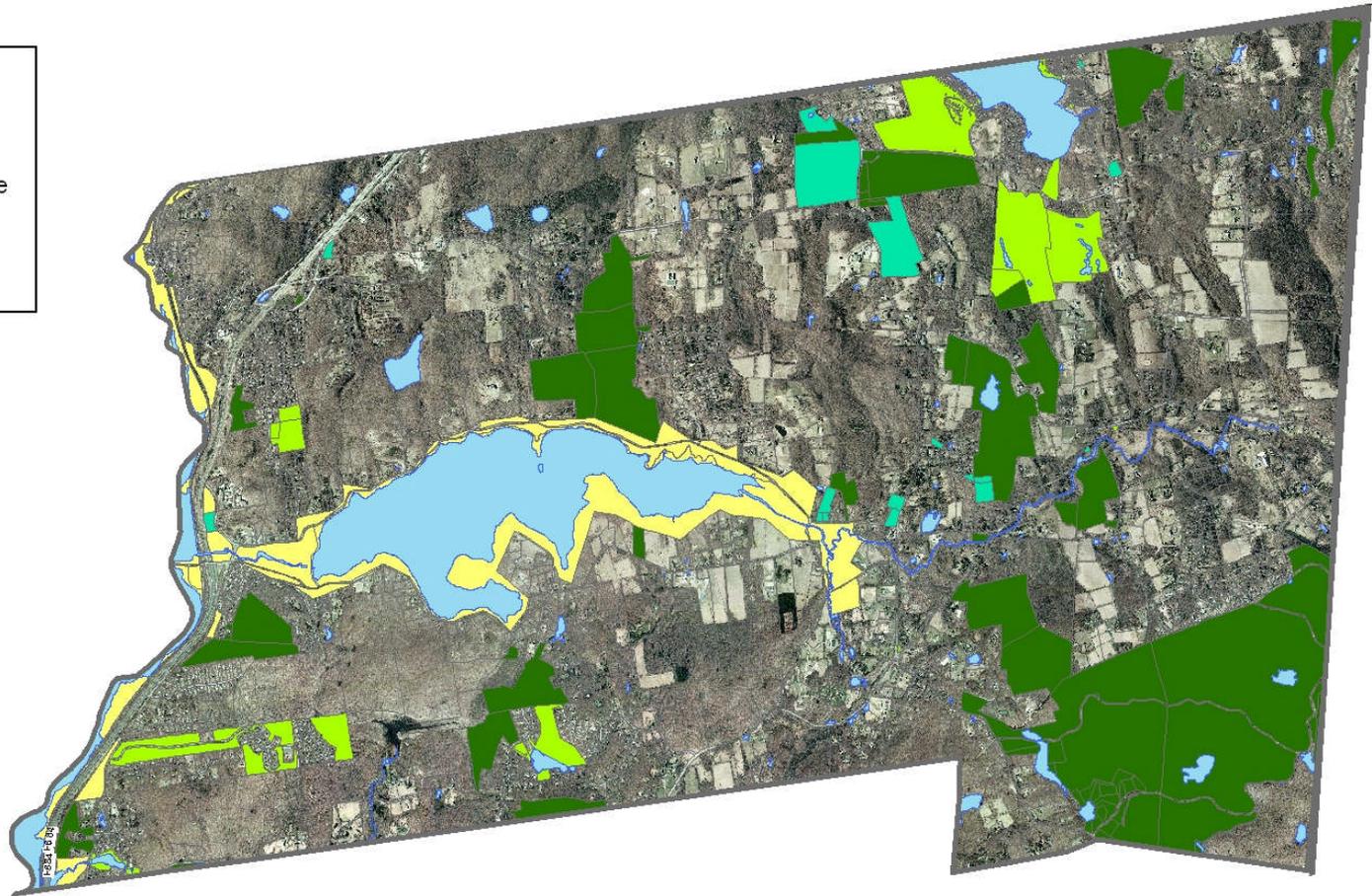
DRAFT



Legend

- Community Facilities
- Parks and Open Space
- NYCDEP
- Conservation Lands

DRAFT



AGENDA

- Transportation
 - _____
- Open space
 - _____
- *Water*
 - _____
- What's next
 - Historic preservation
 - Recreation
 - Land use
 - Zoning
- Town surveys – workshops

Water

Russell Urban-Mead, CPG

Senior Hydrogeologist and Water Resources Director

The Chazen Companies

North Salem Aquifer Conditions and Groundwater Quality

Hydrogeologist Russell Urban-Mead, CPG
The Chazen Companies

Author of: January 2008 Municipal Groundwater Report

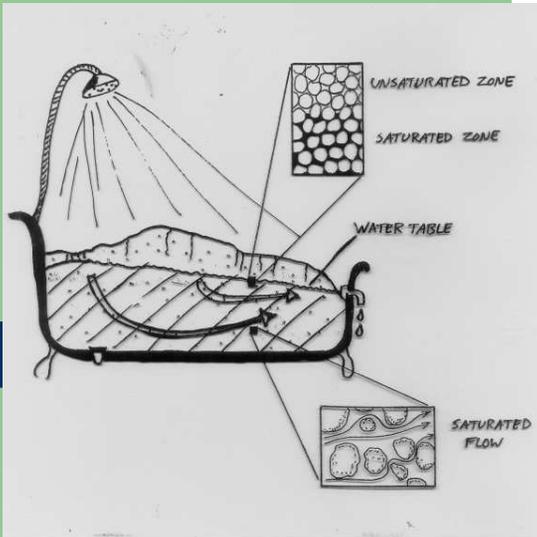
This presentation:

1. Hydrogeology 101
2. Review of available water quality data (mostly DOH)
3. What homeowners may want to consider & know

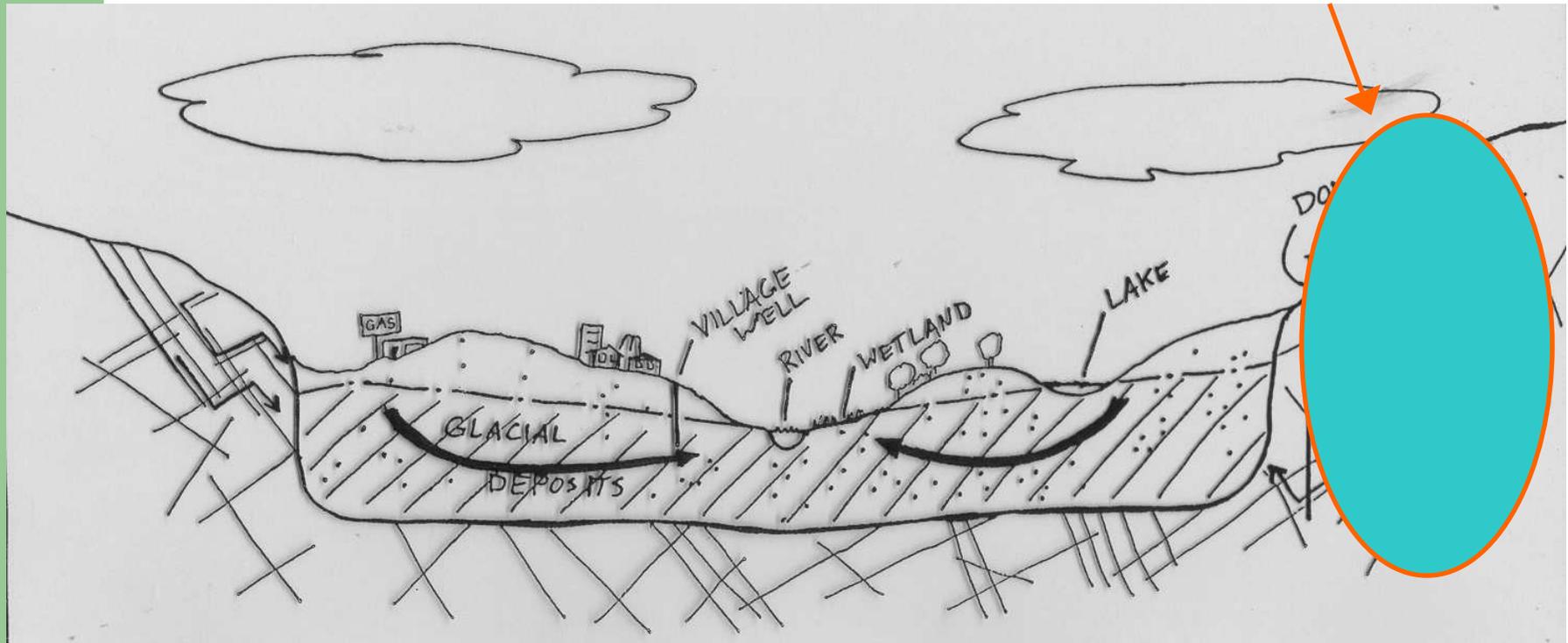
Hydrogeology 101

- Aquifers are Geologic Formations containing Useful Volumes of Water: This means all parts of North Salem overlie aquifers.
- Bedrock Aquifers: Nearly all wells in North Salem are drilled into rock and get water from fractures in rock.
- Recharge Source: Recharge comes from precipitation, which is about 46 inches/year.
- Recharge Rates Vary: From over 20inches/year on sandy soils to under 8inches/year in silt/clay soils
- Generally Plenty: There is generally plenty of groundwater for current and some future uses. But local overuse can occur, either by concentrated overpumping or overtaxing water with septic returns.

Critical Groundwater Functions



Typical
North Salem



Groundwater Quality

Resources available to date:

- Private well samples (very few)
- Some known spills and problem areas
- DOH records from many regulated locations (public buildings, water supplies, restaurants, schools).



Resident Volunteer
Charlotte Harris
collecting data

Groundwater Quality

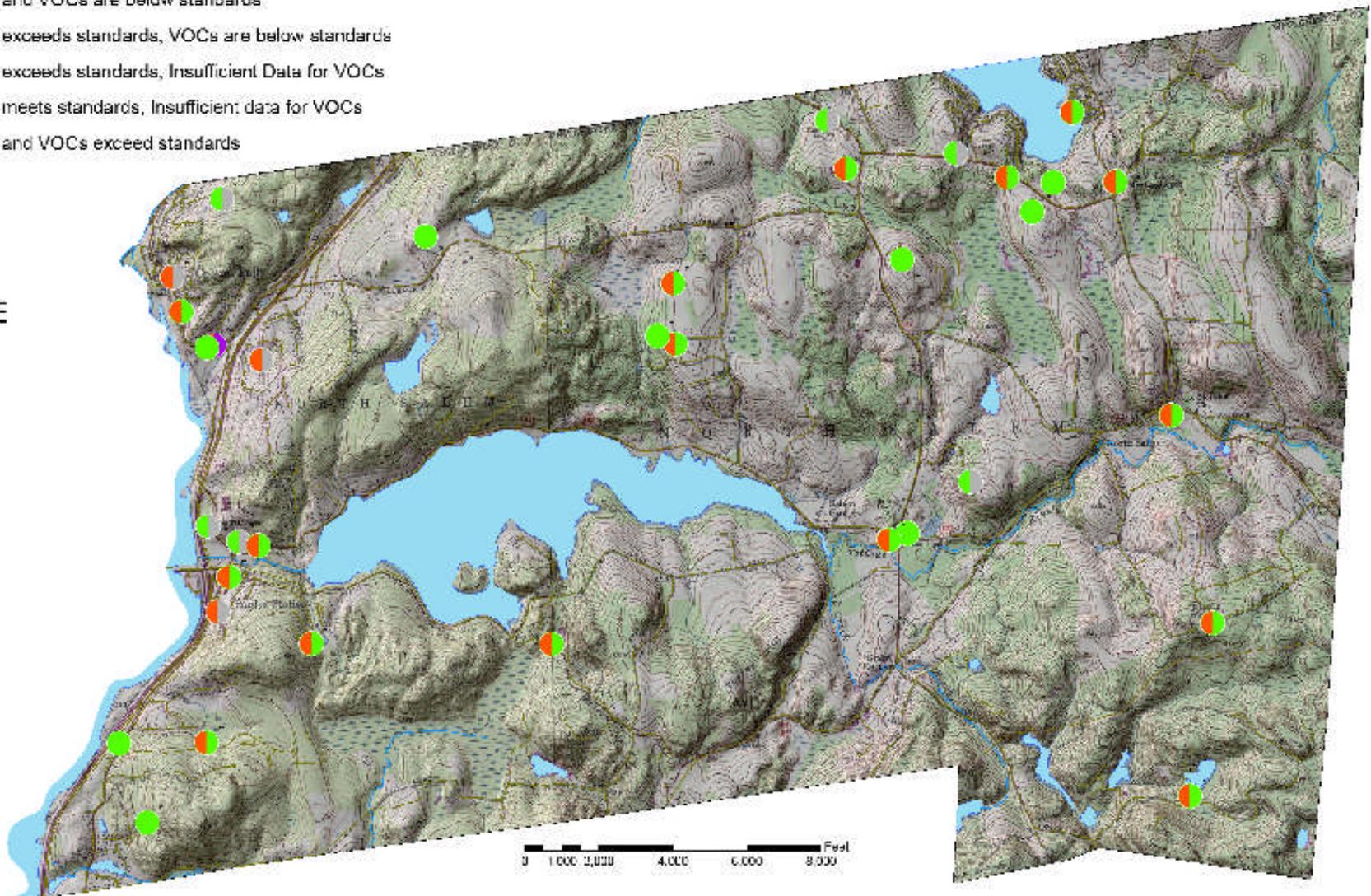
- Quality defects are either Human-Caused or Natural
- Human-Caused:
 - Salt from road salt, or water softener discharges to septic fields
 - Petroleum/solvent compounds
 - Septic Systems - nitrate, bacteria, pharmaceutical residues
 - Agricultural chemicals - nutrients, pesticides, herbicides
- Natural:
 - Iron, manganese, sulfur, hardness, corrosivity
 - Radiologicals (radium, radon, alpha/beta)

Human-Caused (nom-septic system)

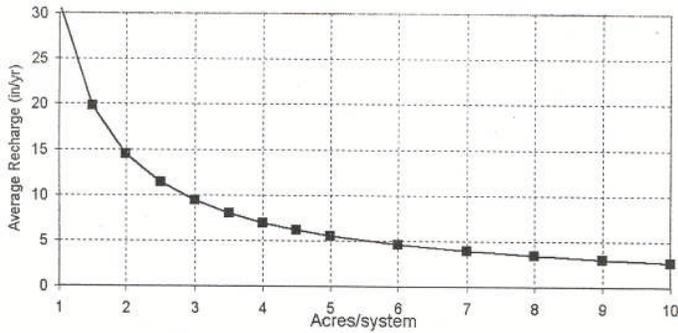
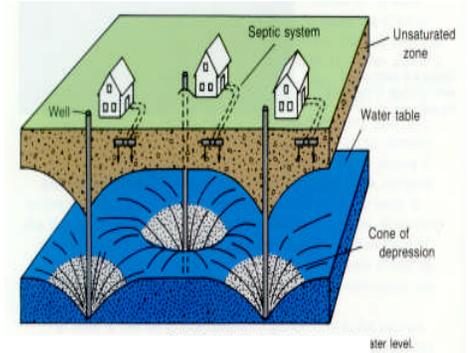
Legend

Human-Caused

- Sodium and VOCs are below standards
- Sodium exceeds standards, VOCs are below standards
- Sodium exceeds standards, Insufficient Data for VOCs
- Sodium meets standards, Insufficient data for VOCs
- Sodium and VOCs exceed standards



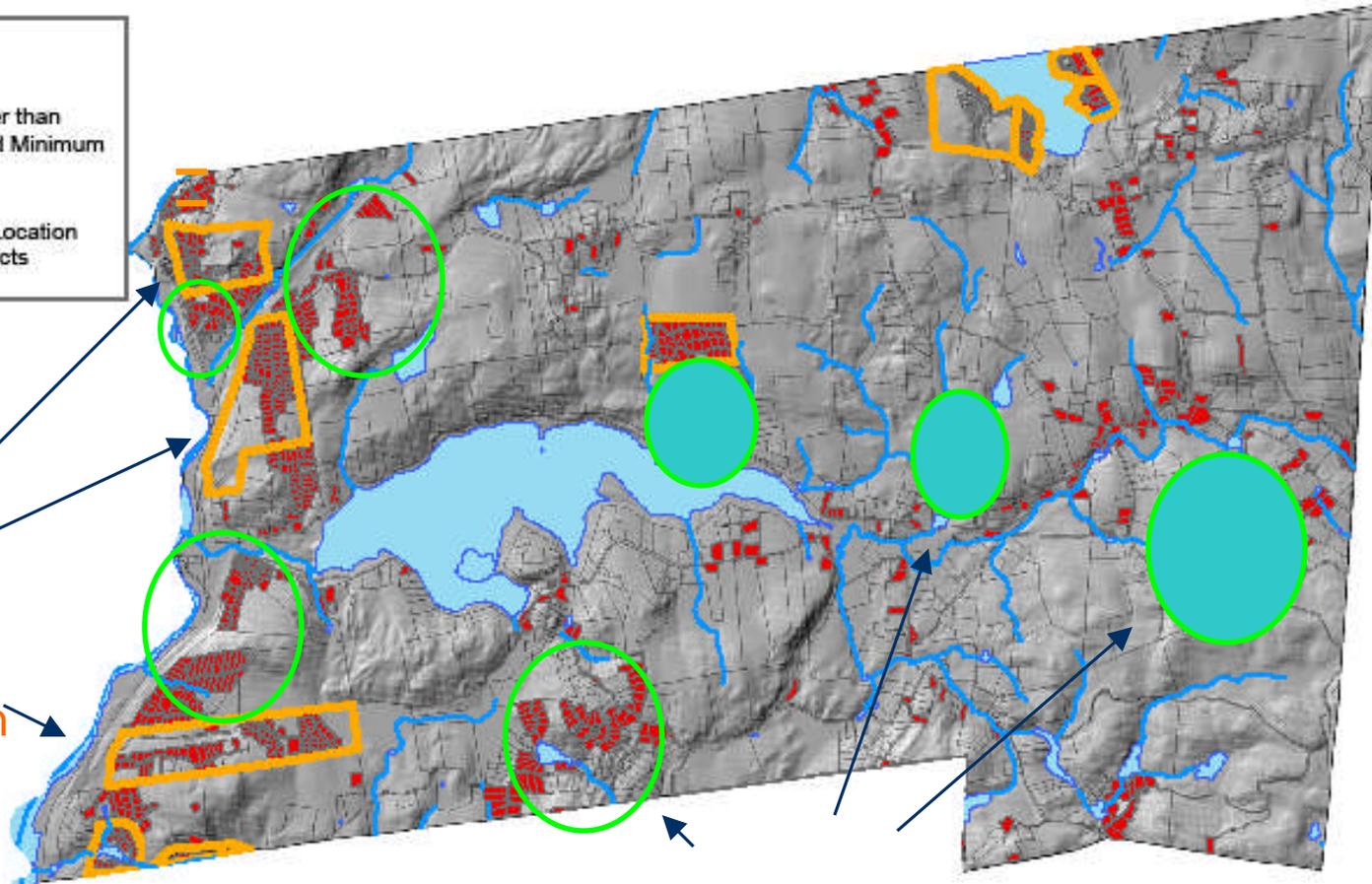
Septic Systems Areas of Concern



Legend

- Parcels Smaller than Recommended Minimum Parcel Size
- Approximate Location of Water Districts

Water district systems provide protection



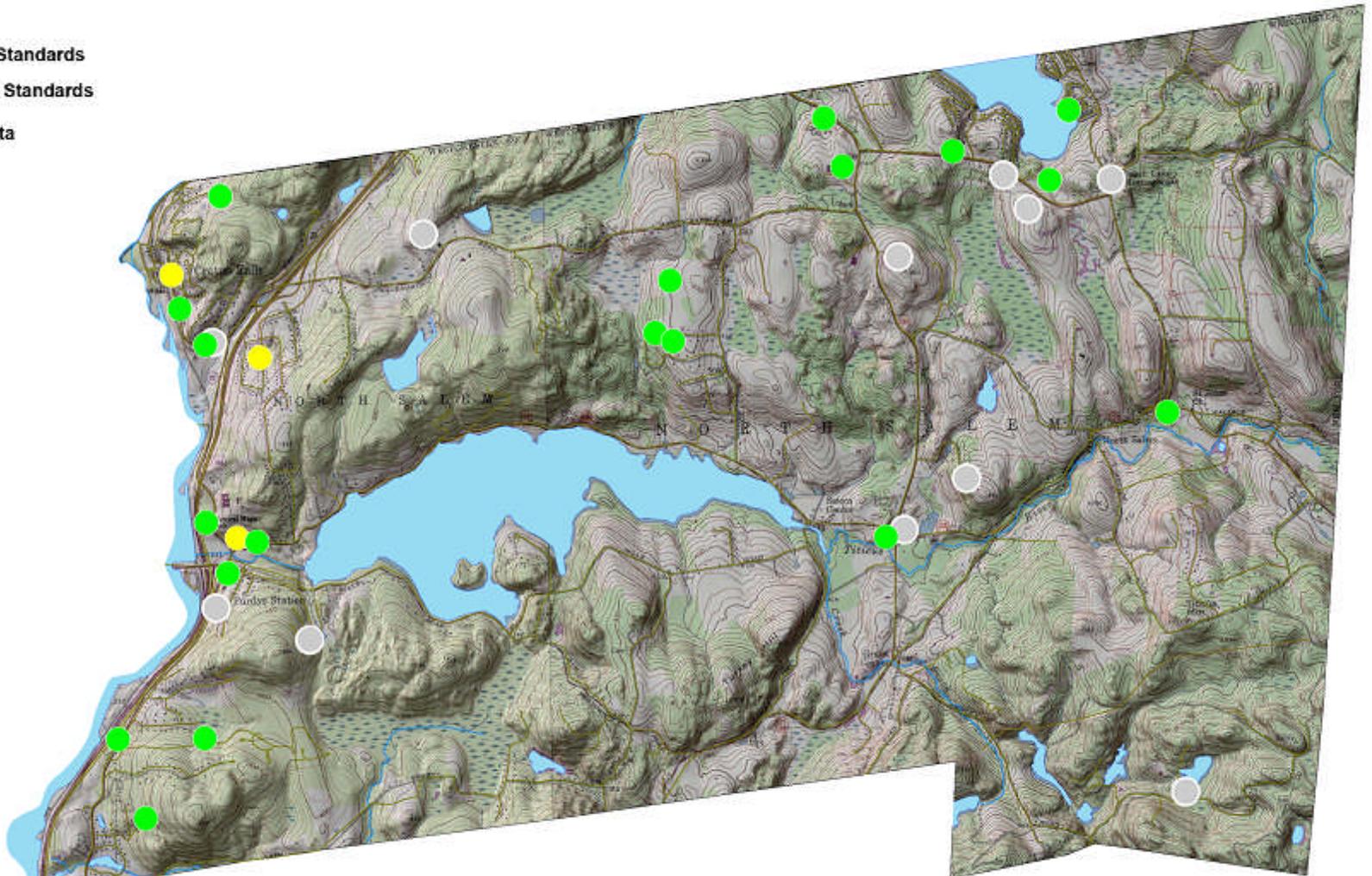
Areas of possible concern

Radiologicals (excluding radon)

Legend

Radiologicals

- Levels Within Standards
- Levels Exceed Standards
- Insufficient Data



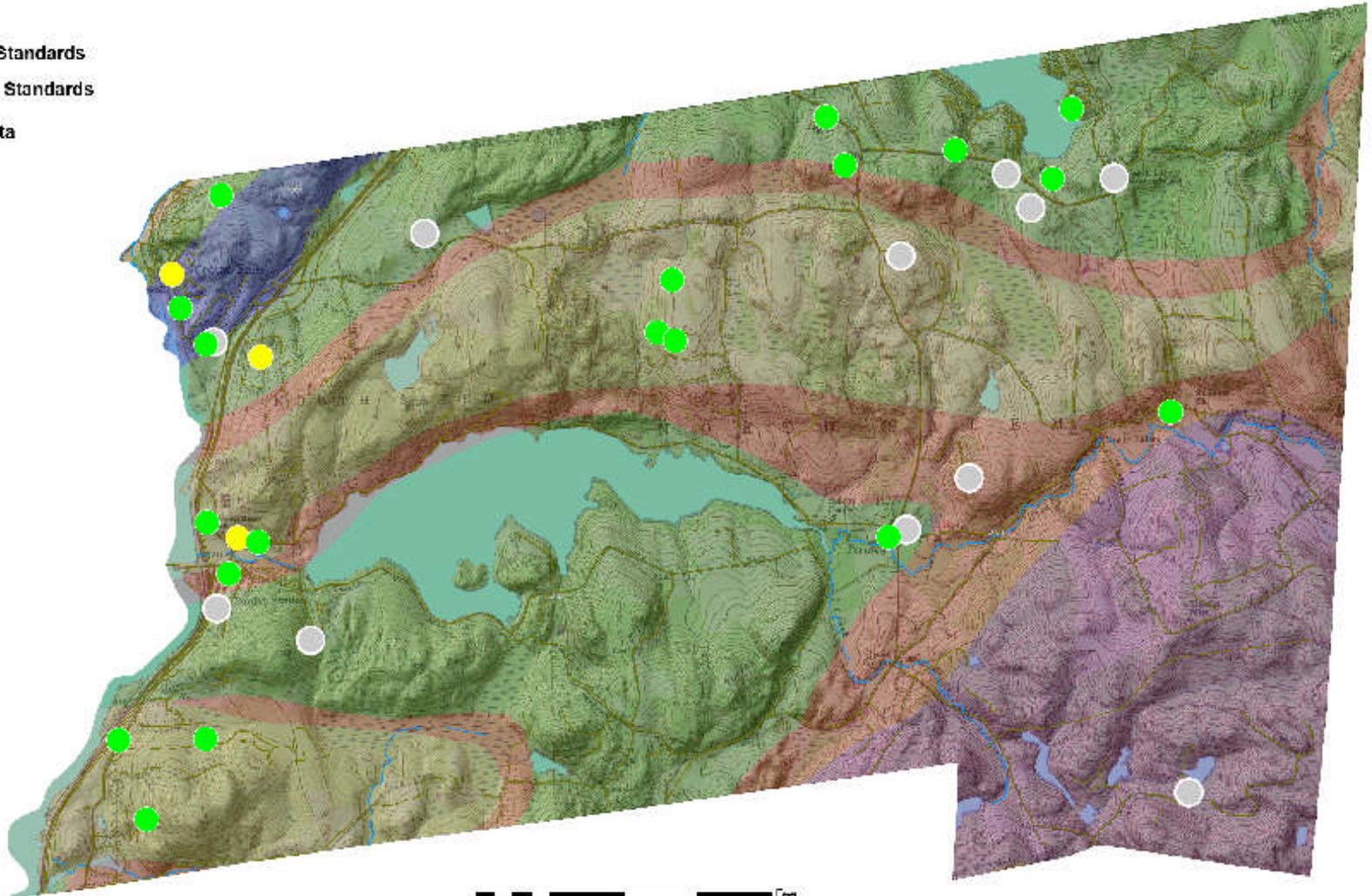
0 1,000 2,000 4,000 6,000 8,000 Feet

Radiologicals – no obvious geologic pattern (yet)

Legend

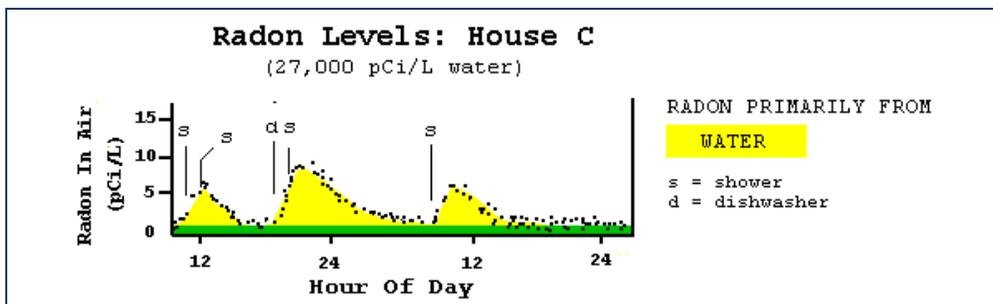
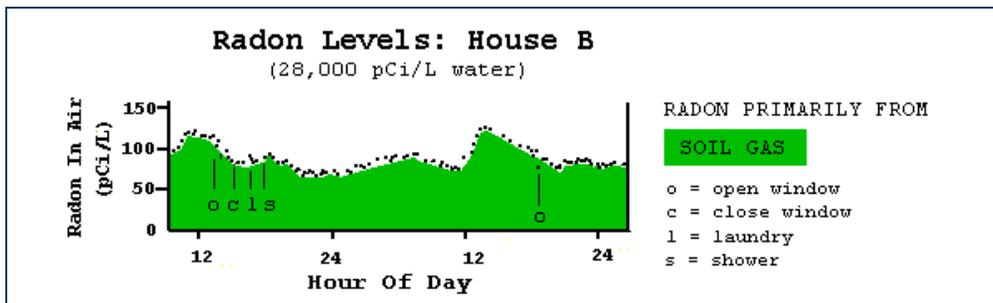
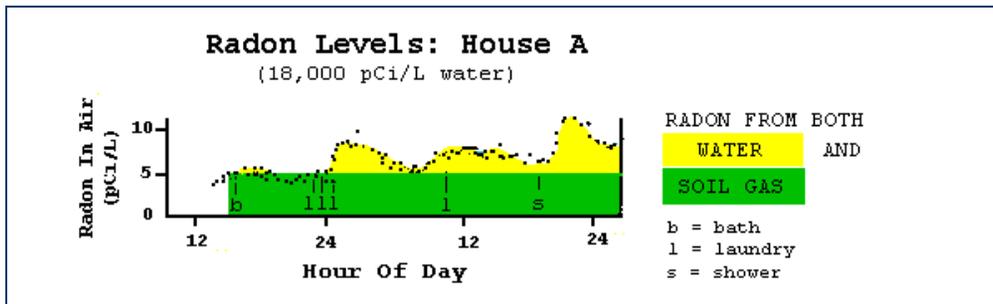
Radiologicals

- Levels Within Standards
- Levels Exceed Standards
- Insufficient Data



0 1,000 2,000 4,000 6,000 8,000 Feet

Radon from soil gas or water supply sources



Radon is a breakdown from Radium 226

Radon in homes can come from water or soil gas.

Radon in water is released mostly from hot, moving water (showers, dishwasher, clotheswasher)

Source: University of Maine

Ideas to Discuss

- Generally good water in North Salem. More data would help. County well sampling law may help.
- Private wells less understood. Sampling is encouraged:
 - 1) septic system contaminants: nitrate, nitrite, e-coli
(sample in dry late summer for “worst case”)
 - 2) salt; sodium, chloride
 - 3) other common concerns: iron, manganese, total coliform, odor, total hardness, VOCs.
 - 4) radiologicals from geologic formations: radon (gas or water) and perhaps sample for radium 226
- Lab costs for compounds above run \$200 to \$300
- Treatment options exist, or connect to central water

What Is Next

- Historic preservation
- Recreation
- School input
- Land use
- Zoning



Get Involved

Follow the effort on the Web <http://www.8degree.net/plan/>

Voice your comments

Join us for a all day workshop in September

Look for Recreation questionnaire after you vote in November

Email – see link on web

Next working Comprehensive Plan Committee - next week
July 31 in Library

Generally 3rd & 4th Thursday of month – check website