



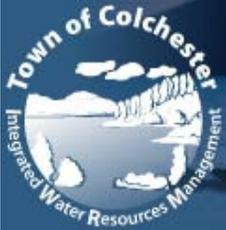
Town of Colchester Integrated Water Resources Management Study

Presented by:

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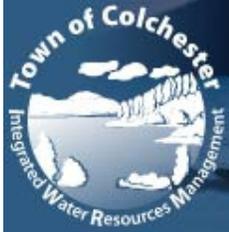
Funded by the United States Environmental Protection Agency

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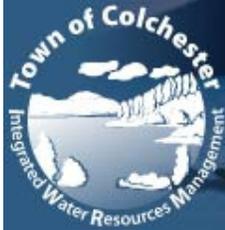
Where we are in the study

- Inventory/mapping of water, wastewater and stormwater at a parcel level – **completed**
- Mapping of water resources (rivers, streams, wetlands, etc.) – **completed**
- Water quality sampling – **ongoing**
- Town-wide needs assessment – **nearly complete**



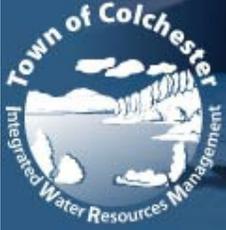
What we'll cover tonight

- Summarize the Town-wide needs assessment outcomes to-date
- Kick-off the priority area needs assessment work



Town-wide Onsite Needs Assessment

This is an **assessment** of every parcel in Colchester that identifies current conditions that relate to the suitability of existing onsite wastewater infrastructure as a long-term solution for wastewater management.



Why a Town-wide Assessment?

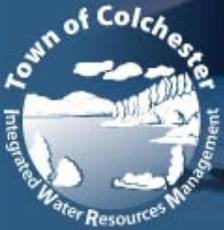
- This is a “desk top” analysis that provides useful information to guide our further studies.
- Need to characterize existing and future capacity for on-site wastewater treatment
- Need to understand where to focus field investigations



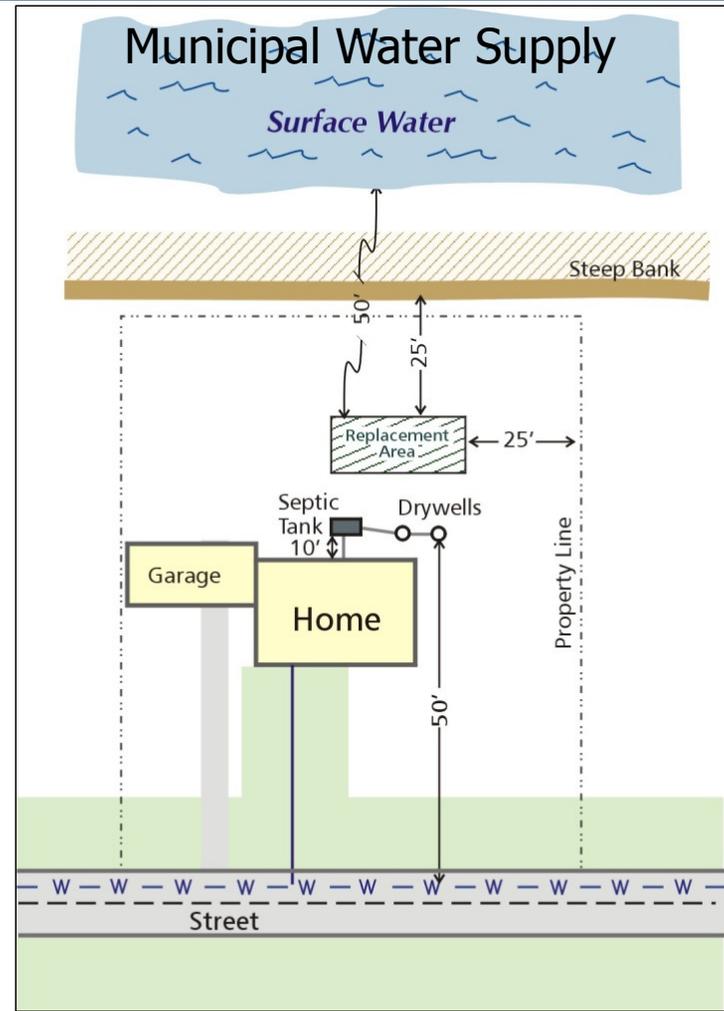
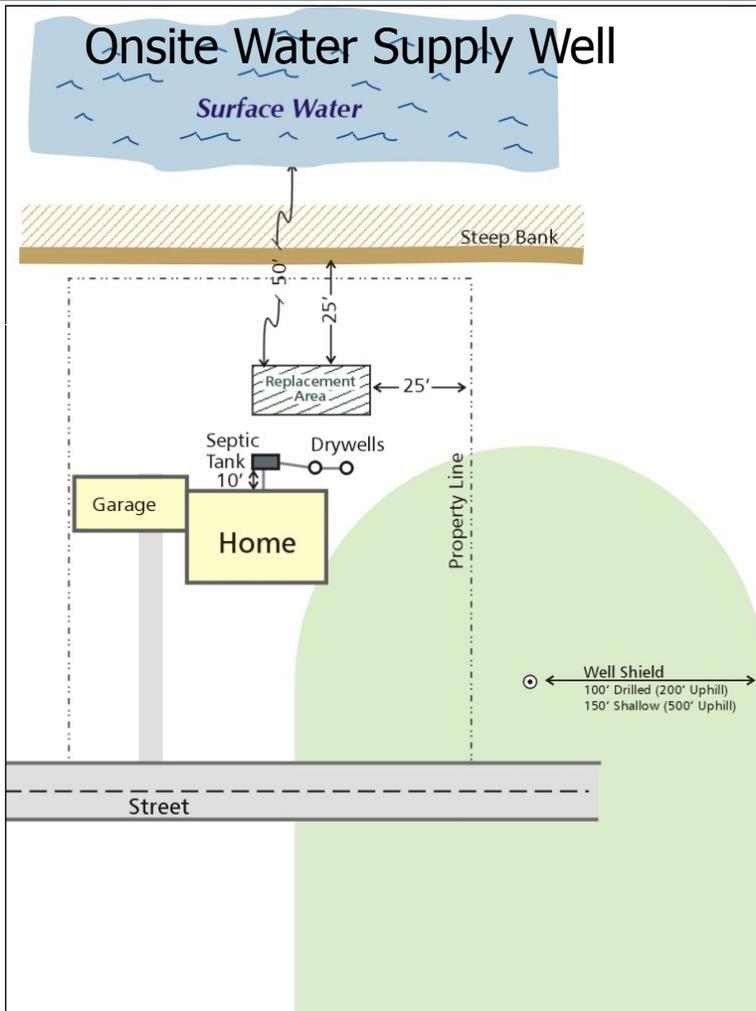
Parcel Assessment

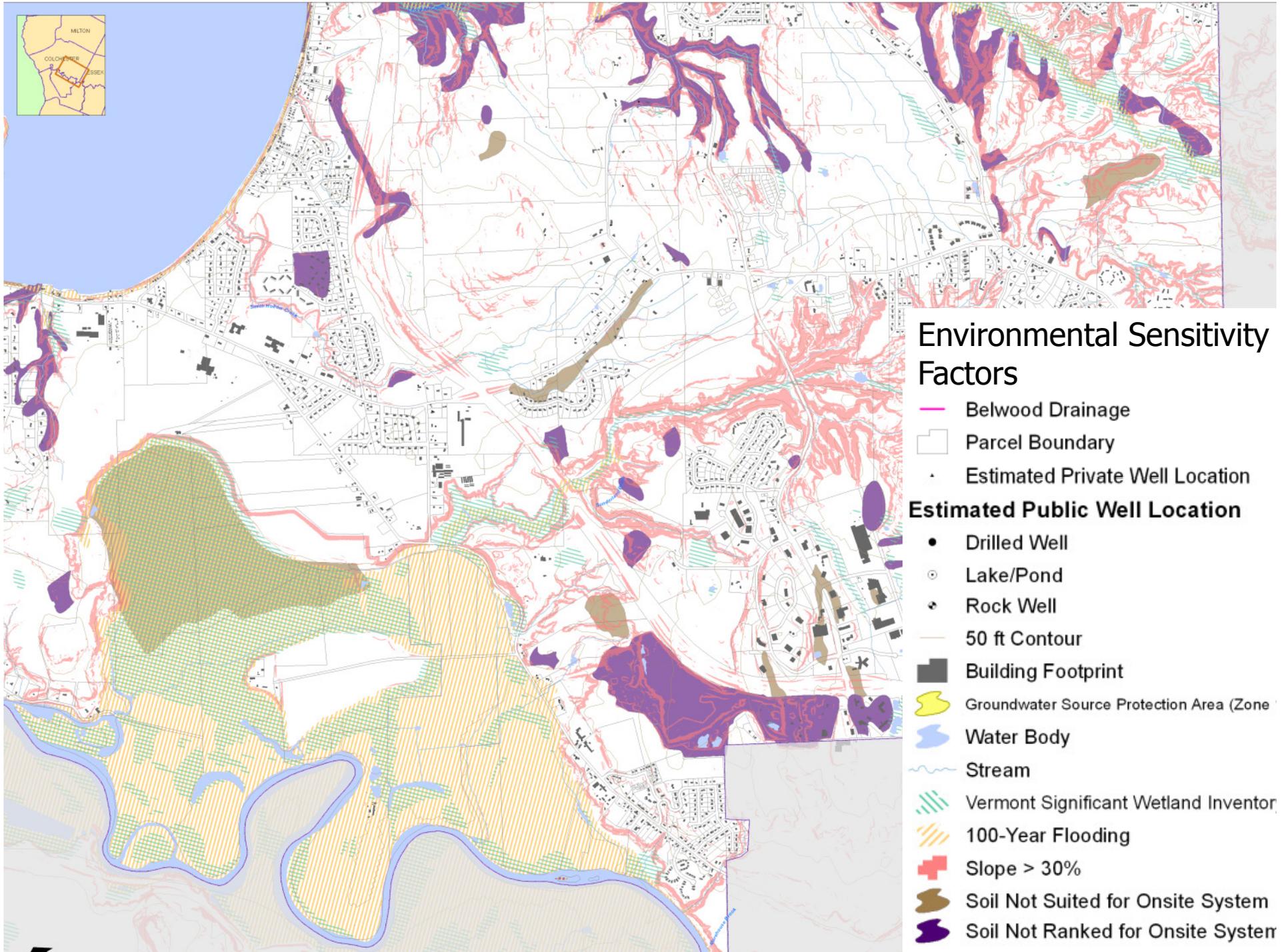
Town-wide Onsite Needs Assessment

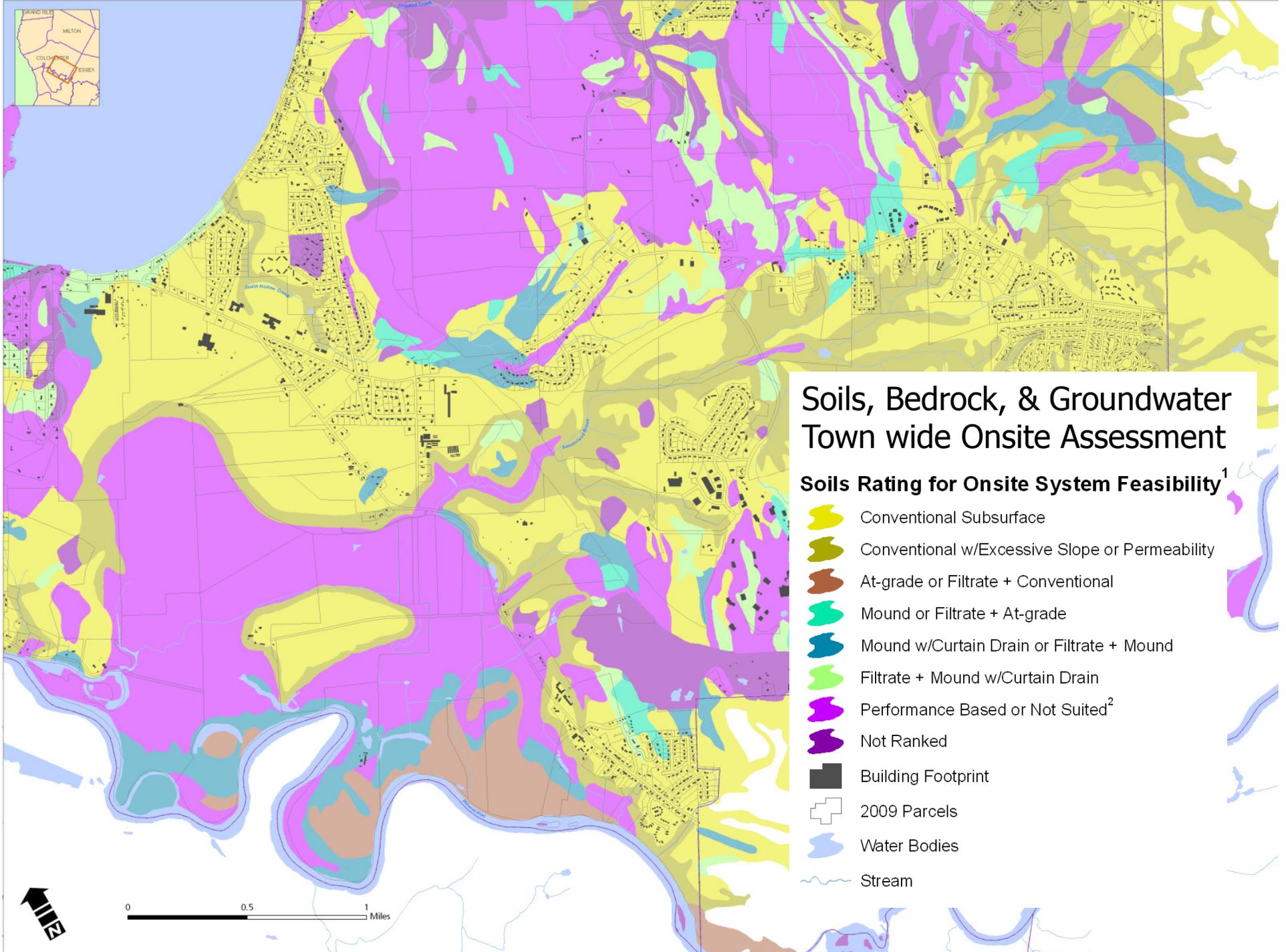
- The **Town-wide Parcel Assessment** is based on:
 - Town records & field inventory information
 - Regulatory requirements (set backs, etc.)
 - Environmental sensitivity & soil conditions



Regulatory Setback Illustrations



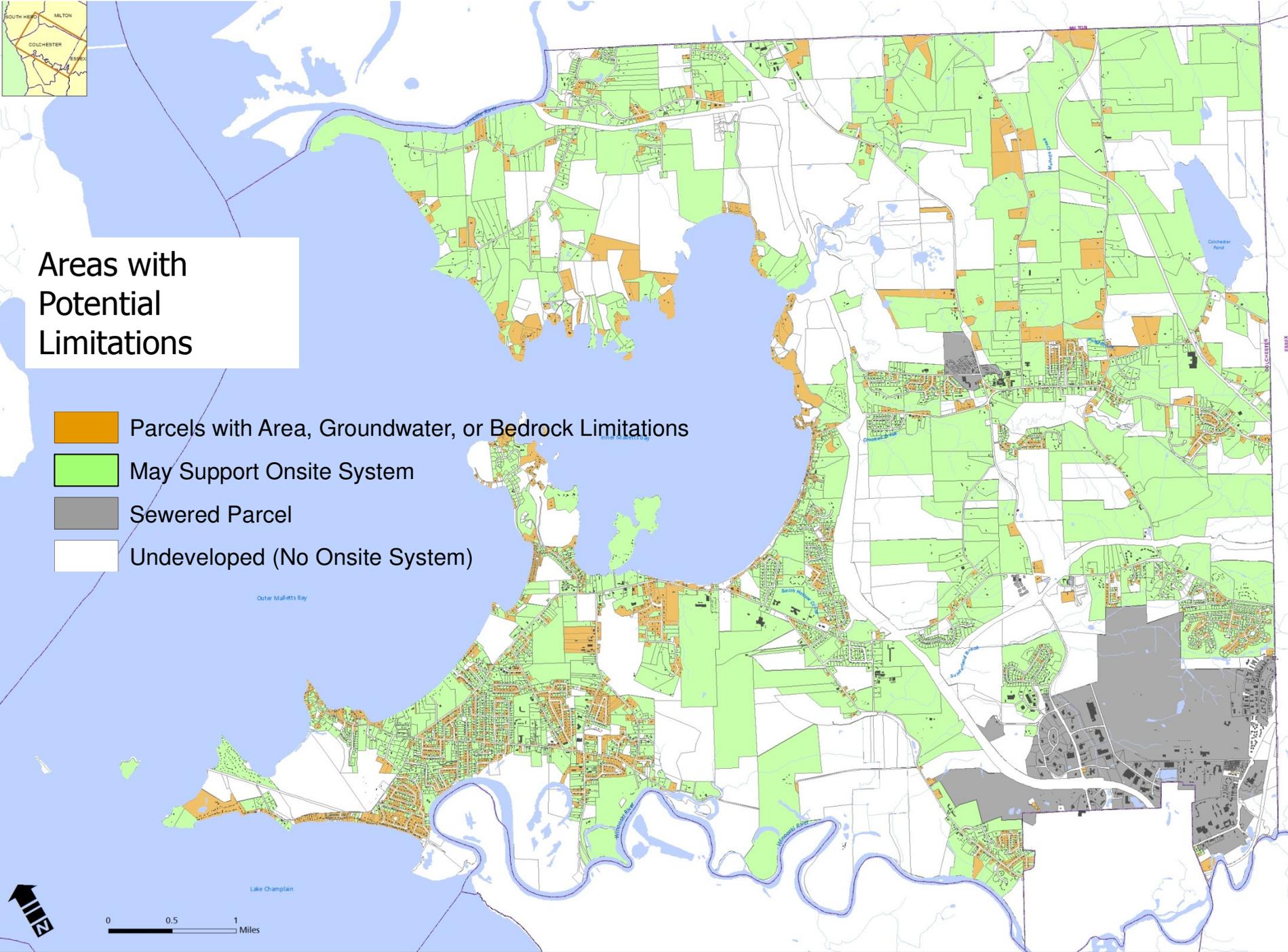


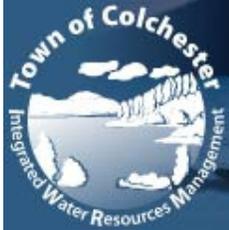




Areas with Potential Limitations

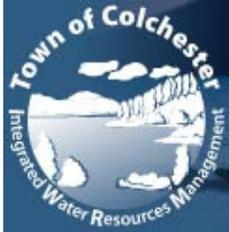
-  Parcels with Area, Groundwater, or Bedrock Limitations
-  May Support Onsite System
-  Sewered Parcel
-  Undeveloped (No Onsite System)





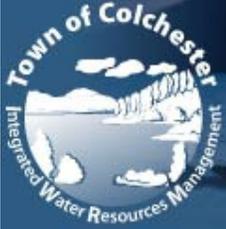
Town-wide Onsite Assessment Summary

Assessment Category	Number	%
May Support an Onsite System	3,408	63.5%
Parcels with Area Limitations	1,821	33.9%
Groundwater Limitation Only	96	1.8%
Bedrock Limitation Only	43	0.8%
Total Developed Parcels	5,368	100.0%
Undeveloped Parcels	518	
Sewered	350	
Total Parcels	6,236	



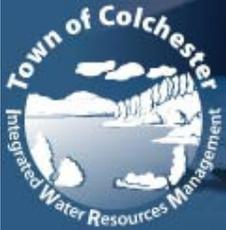
Next Steps

- Similar analysis, but using build-out analysis information provided from CCRPC to...
 - Determine if there are potential limitations that would not support the full build-out density
 - Identify additional parcels for further field investigations



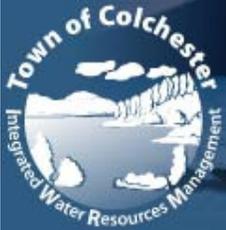
Priority Area Needs Assessment

- Complete a more detailed assessment of those parcels identified with **“potential”** problems for supporting new or replacement onsite wastewater systems based on the town-wide evaluation.



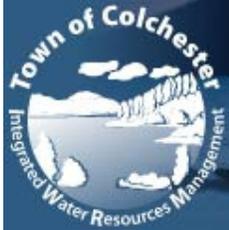
What's Involved?

- Site visit to confirm existing data
- Note limiting factors for on-site wastewater treatment (proximity to well, water resources, groundwater, ledge, etc.)
- Conduct a soil boring to more accurately assess/characterize soil conditions for on-site wastewater treatment



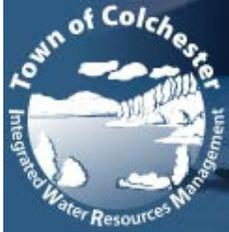
Next Steps

- Contact landowners of parcels identified for further assessment, seeking permission to access site – ongoing
- Conduct field work on a parcel level basis as described earlier – to be started in late September 2010



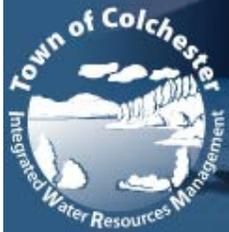
Next Steps

- Initial focus will be all parcels within 300' of Lake Champlain
- Then we will move to other parcels identified for further assessment from the Town-wide evaluation (both for current conditions and projected build-out)



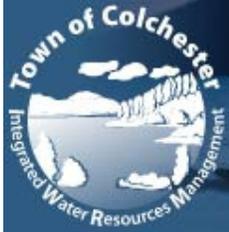
Importance of Access to parcels

- Access to parcels in “Priority Needs Areas” allows us to much more accurately assess wastewater treatment capacity and risks at the parcel level.
- Which will result in a more informative and accurate assessment of current and future needs and alternatives for on-site wastewater treatment.



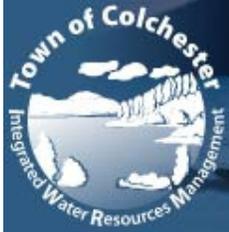
What landowners should know

- We will only enter properties after receiving landowner permission.
- The on-site assessment will cause no permanent damage and is minimally invasive.
- Cooperating landowners will receive a copy of the assessment for their parcel.



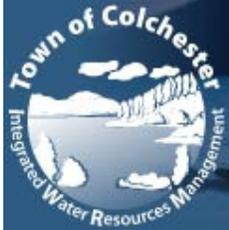
What Landowners should know

- The assessment is **confidential**. We will not report any perceived health violations (if any) to the Town for enforcement, but will inform the landowner of any concerns identified during the assessment. It will then be up to the landowner to act (or not) on these concerns.



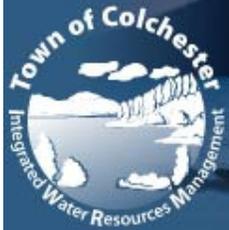
What landowners should know

- Landowners will be contacted by mail and/or telephone if access is requested on their parcel. **A prompt reply to the inquiry is appreciated.**
- Landowners do not need to be present during the field work, though we will schedule appointments upon request.



Project Schedule

- The “Priority Needs Assessment” is ongoing and will run through the spring and early summer of 2011.
- Conclusions and recommendations will be developed and discussed with the public over the summer and fall 2011.
- The study should be completed in early 2012.



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