



SEA-LEVEL RISE IMPACTS ON GROUNDWATER LEVELS:

A VULNERABILITY AND PLANNING STUDY IN DURHAM, NH

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HOW DID WE GET HERE?

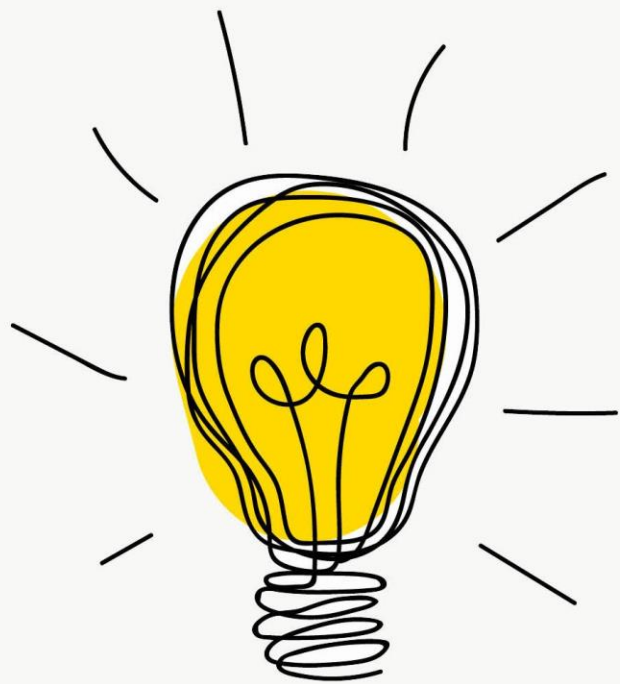


“Everyone you will ever meet knows something you don’t...”

- Bill Nye



TAKING THE FIRST STEP



IDEA





FUNDING

- Involvement with CAW was made aware of the Clean Water State Revolving Fund
- Planning projects would be eligible with a focus on resiliency
- \$75,000 principal forgiveness



PRE-APPLICATION & LOAN

- SRPC prepared much of the application with assistance from UNH and NHDES
- Developed a detailed scope of work and budget
- Submittal in June 2018
- SRPC and Durham worked together to meet all loan application requirements (*completed in Nov. 2019*)



LESSONS LEARNED

P A T I E N T

C R E A T I V E

R E A D Y

SCOPE OF WORK

- Determine the vulnerability of...
 - Public/private drinking water supplies
 - Septic systems
 - Contaminated sites
- ...from groundwater rise and saltwater intrusion





SCOPE OF WORK CONTINUED

- UNH and JFK Environmental Services
 - Modeling work
 - Creation of GIS maps
 - Technical report
- SRPC
 - Project management and coordination
 - Filling data gaps (septic system database, drinking water supplies, contaminated sites, etc.)



EXPECTED OUTCOMES

- Use modeling results and groundwater mapping to...
 - Identify vulnerable areas within the study area
 - Develop a set of recommendations
 - Final report
- Ensure MS4 permit requirements are considered
- Provide targeted outreach and education to the community



THANK YOU



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