

## GROUNDWATER QUALITY COMMITTEE 11-17-2022

### *WHAT HAVE WE BEEN DOING AND WHERE ARE WE HEADED?*

CHRISTIAN LAMONTAGNE HAS WORKED ON WELL TESTING, SEA LEVEL RISE ISSUES, AND WELL ECHO SYSTEM DEVELOPMENT.

CHRIS MACDUFFIE HAS HELPED WITH COMMUNICATIONS AND GERBER REPORT HISTORY. SHE ALSO PROVIDED A 2008 SAMPLE CONTRACT TO UPDATE THE GERBER REPORT.

CURT MURLEY HAS PREPARED AN ISLAND MAP OVERLAY WITH ALL THE KNOWN WELLS. HE ALSO CONVERTED ALL THE OLD WELL LOCATION NOTATIONS TO STANDARD LATITUDE/LONGITUDE.

I DEVELOPED A COMPUTERIZED METHOD OF MEASURING THE STATIC LEVEL OF WATER IN WELLS USING ECHO ANALYSIS.

ALL OF US HAVE WORKED ON PARTS OF THE 1986 GERGER REPORT TO IDENTIFY WHAT IS STILL USEFUL AND WHAT SHOULD TO BE UPDATED.

I AM WORKING ON A WELL FORECASTING SYSTEM FOR LONG ISLAND, SIMILAR TO THE STATE OF IOWA'S SYSTEM. WHEN COMPLETED, ANYONE WILL BE ABLE TO LOG INTO THE SYSTEM, ENTER A PROPOSED WELL LOCATION ON LONG ISLAND AND IMMEDIATELY GET AN ESTIMATE OF THE REQUIRED DRILLING DEPTH AND WATER QUALITY AT THAT LOCATION.

WE HAVE DISCOVERED THAT MANY MAINE TOWNS HAVE A GROUND WATER SECTION IN THEIR TOWN ORDINANCES. WE NEED TO LOOK INTO THIS IN MORE DEPTH.

*WE NEED HELP FROM A GEOLOGIST THAT SPECIALIZES IN GROUND WATER TO:*

1. LOCATE PLACES FOR TEST WELLS.
2. PROVIDE HELP SETTING UP A GROUND WATER DATA COLLECTION SYSTEM.
3. HELP US WITH STILL VALID SECTIONS OF THE 1986 GERBER REPORT.
4. HELP US DEVELOP A WELL FORECASTING SYSTEM.
5. HELP WITH PREPARING A PROPOSED TOWN GROUND WATER ORDINANCE.
6. OUR BEST CHOICE OF A GEOLOGIST TO HELP US IS CAROL WHITE FROM CHEBEAGUE.

*WHAT WE NEED FROM THE SELECTBOARD*

1. I WANT AUTHORIZATION TO PAY A GEOLOGIST ON AN HOURLY FEE BASIS FROM THE \$6,000 VOTED AT TOWN MEETING TO HIRE A GEOLOGIST.
2. I NEED WRITTEN DOCUMENTATION FROM THE SELECTBOARD STATING THAT THE MONEY IS AVAILABLE TO PAY THE GEOLOGIST.

THANK YOU,  
RALPH SWEET