

# Regional Water & Wastewater Pilot Project

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# Project Description

- The pilot project began in late 2015 and is planned to run until March 2019
- Operators work through the applicable service board in each region
- Operators work with communities to help develop skills and knowledge to effectively operate their water and wastewater systems

# About the Project

## Objectives

- Improve drinking water quality
- Improve wastewater monitoring and treatment
- Improve preventative maintenance and record keeping
- Provide an extra resource for small communities
- Reduce the amount of boil water advisories

**There is no  
life  
without  
water  
Because  
water is  
needed to  
make  
coffee**



# Western Region

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Western Regional Service Board

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# Communities



- Rose Blanche / Harbour le Cou
- Burnt Islands
- Isle aux Morts
- Fox Roost / Margaree
- Flat Bay
- Black Duck Siding
- Sheaves Cove
- Ship Cove
- Piccadilly Head & West Bay
- Piccadilly Slant / Abraham's Cove

# Progress

- Maintenance Assurance Manual created and implemented in several communities (preventative maintenance, emergency response, operating procedures, record keeping)
- System monitoring and chlorine adjustments have improved residuals in several areas
- Community info sessions and engaging residents
- Assistance obtaining funding for treatment of various water quality issues
- Wastewater monitoring in 1 community to determine if there is a need for treatment



- Rose Blanche/Harbour le Cou – off boil water advisory, constructing a wet well in the spring
- Isle aux Morts – off boil water advisory, replacing sections of distribution system in the spring
- Burnt Islands – improvement in operation of chlorine resulting in fewer aesthetic concerns
- Flat Bay – off boil water advisory, in the process of obtaining arsenic treatment for one well
- Ship Cove – have chlorination systems set up and running in all 6 wells, improvements on maintenance and repairs
- Piccadilly Head & West Bay –regionalizing water services with the town of Lourdes

# New Communities

- Some of the original communities didn't have the capacity to participate in the program
- Some of the LSD's are in poor financial situations, lack a governance structure, or are not interested in chlorinating their drinking water

5 new communities are being finalized to join the program in Western:

- Great Codroy
- Tompkins
- Benoits Siding + Doyles
- St. Andrews
- Upper Ferry



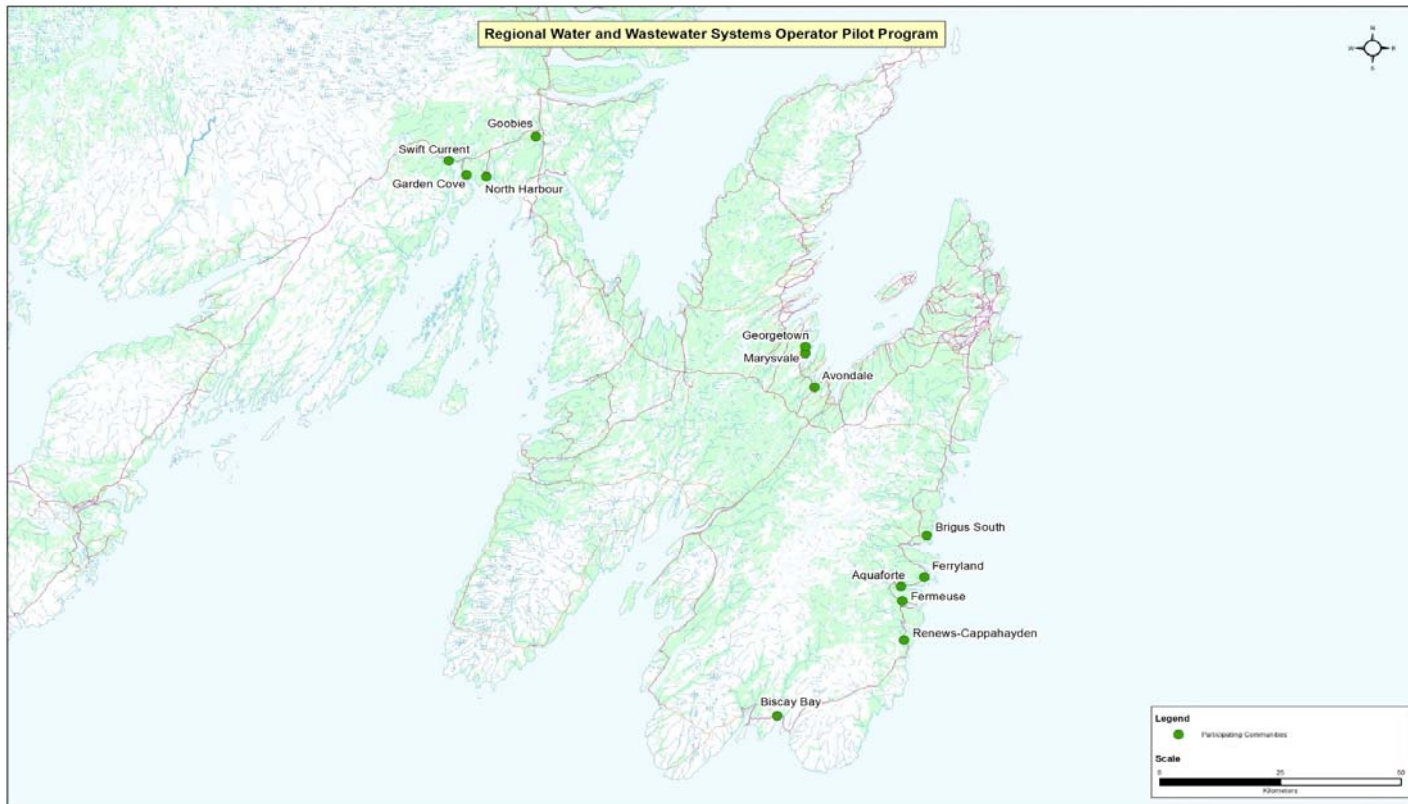
# Eastern Region

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# Isthmus

- Goobies
- North Harbour
- Swift Current
- Garden Cove

# Southern Shore

- Brigus South
- Ferryland
- Aquaforte
- Fermeuse
- Renews-Cappahayden
- Biscay Bay

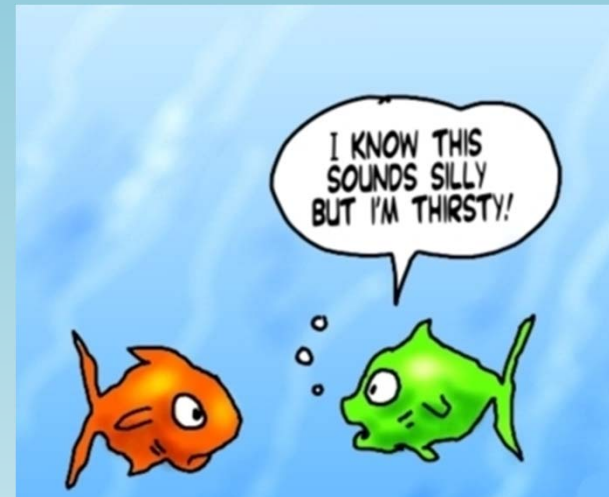
# Conception Bay Centre

- Georgetown
- Marysvale
- Avondale



# Initiatives

- Operations binder
- Certification as a small systems operator
- New clusters – Trinity Bay, St Mary's Bay



# Regionalization

- Georgetown, Maryvale, Colliers and Conception Harbour
  - Bull Cove Pond near Georgetown
  - Letter to Minister of Municipal Affairs
  - Tendering in the spring for the pump house
- Southern Shore
  - Recent retirements / resignations
  - Dialogue between communities
  - Collecting GPS data in support of regionalization

# Boil Water Advisories

- In effect for: Biscay Bay, Brigus South, Georgetown, Marysvale, Garden Cove, Goobies, North Harbour, Swift Current
- No Boil Water Advisory: Aquaforte, Fermeuse, Ferryland, Renewscappahayden, Avondale

## Next...

- New cluster to be added shortly
- Communities have been picked
- Ministerial letter is pending



# Central Region

Ray Chant

Regional Water and Wastewater Systems Operator

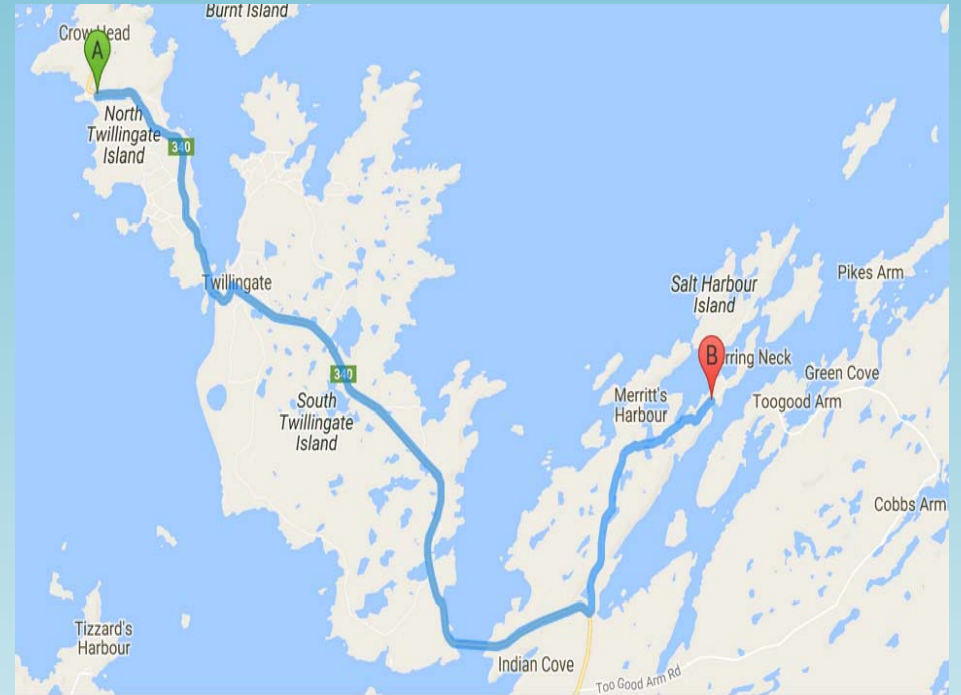
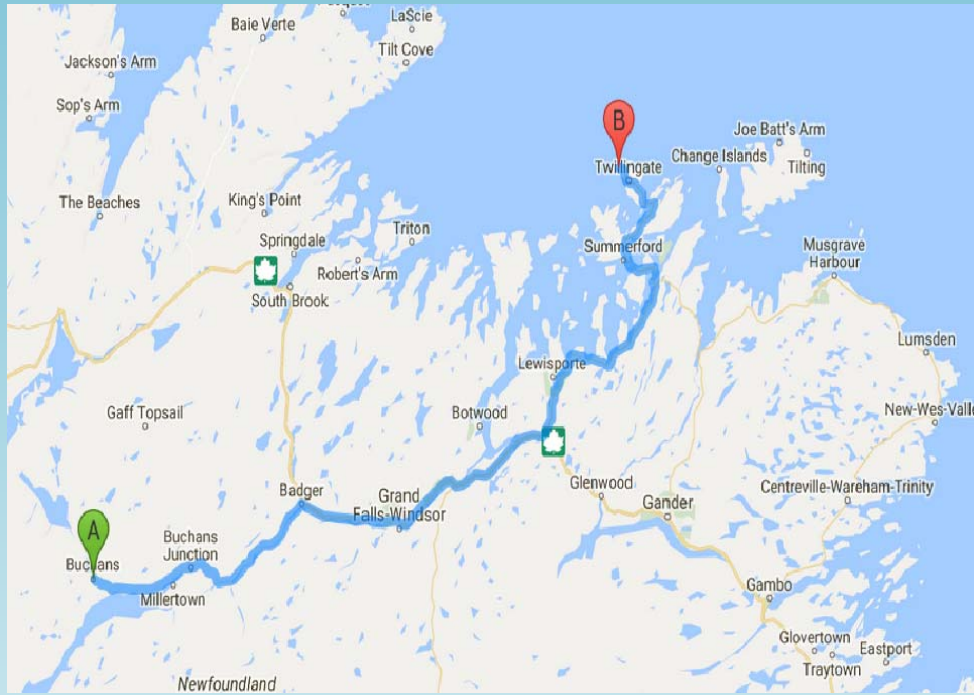
Central Regional Service Board

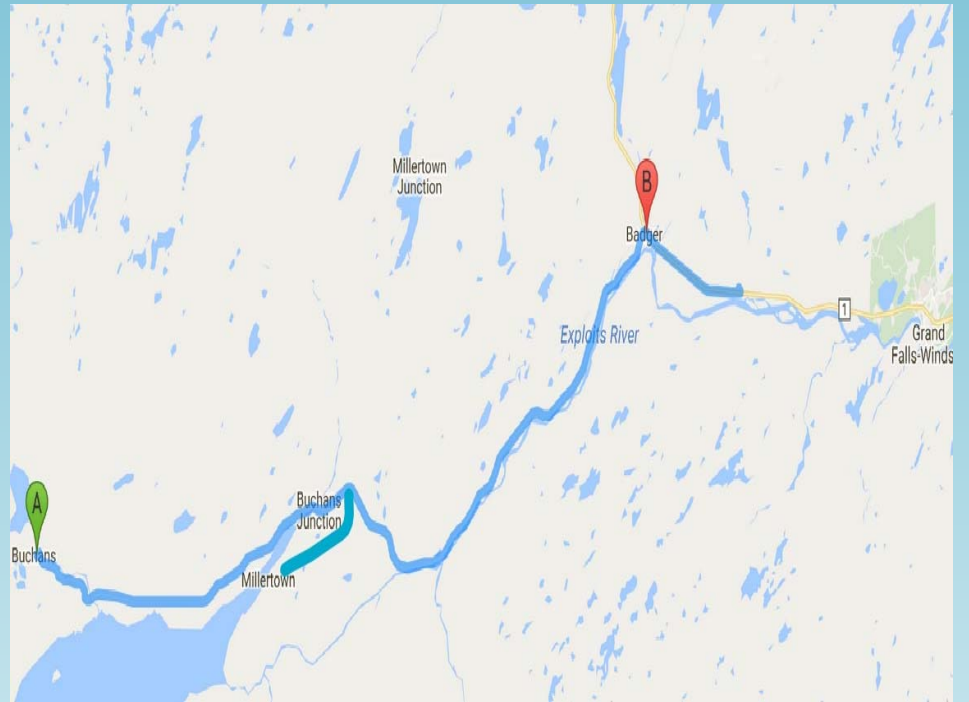
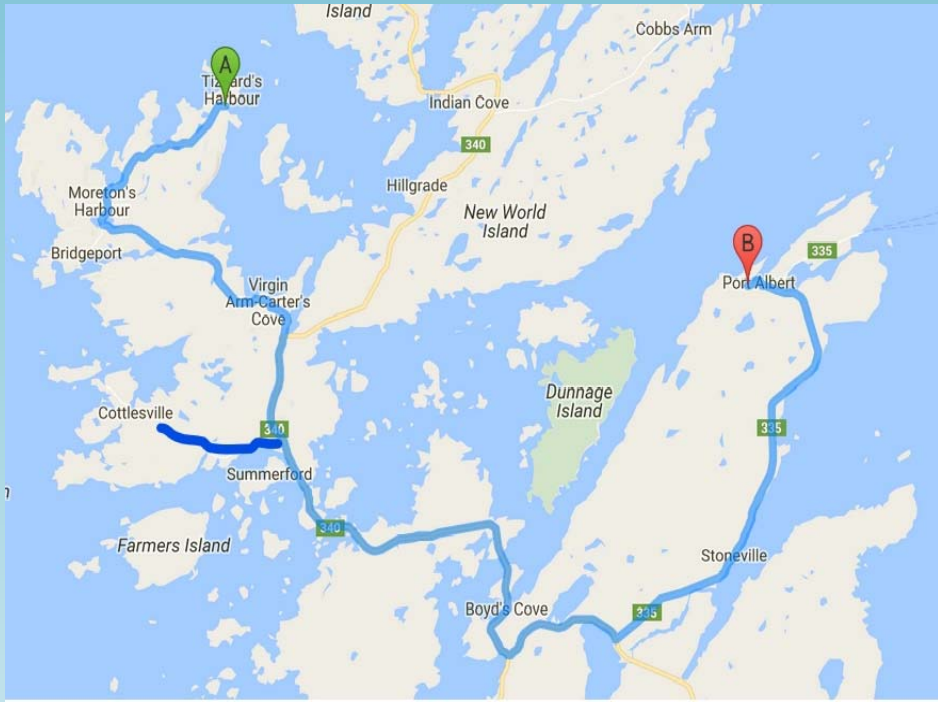
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# There are a total of 12 Communities that are currently a part of the Pilot Project.

- Crow Head
- Purcell's Harbour
- Merritt's Harbour
- Herring Neck
- Tizzard's Harbour
- Cottlesville
- Stoneville
- Port Albert
- Badger
- Buchan's Junction
- Millertown
- Buchans





# Accomplishments so far:

- Assurance manuals completed and in use by most of the 12 communities (Operational monitoring plan, standard operating procedures, emergency response plan, preventative maintenance programs)
- Federal waste water regulations Assisted in the waste water survey - based on theoretical flows, would flow testing need to be done for some communities



# Benefits:

- Record keeping
- Preventative maintenance
- Improved chlorine management (cost to communities)
- Improvements to systems
- Tender soon to be called on one project to correct problems with the disinfection system
- Special assistance was applied for by one community to complete needed repairs which have been done

# Moving Forward:

- To continue working with the assigned communities in improving on their water and sewer systems
- To expand the service provided to more communities



Thank you 😊  
Questions?