The background of the slide is a light gray gradient with several realistic water droplets and bubbles of various sizes scattered across it. The main title is centered in a bold, blue, sans-serif font.

GROUND AND SURFACE WATER MANAGEMENT PLAN

ONE ISLAND - ONE WATER

*A PRESENTATION TO THE SHELTER ISLAND TOWN BOARD
BY THE WATER ADVISORY COMMITTEE*

MARCH 3, 2020

WATER ADVISORY COMMITTEE MEMBERSHIP

- MIKE BEBON, P.E. CHAIR
 - JOHN CRONIN, P.E.
 - PETER GRAND
 - KEN PYSHER
 - GREG TONER

PRESENTATION OUTLINE

- ACKNOWLEDGMENT
- PLAN OVERVIEW
- GUIDING PRINCIPLES
- KEY OUTCOMES
- RECOMMENDATIONS
- NEXT STEPS

ACKNOWLEDGMENTS

THE MEMBERS OF THE WAC WISH TO ACKNOWLEDGE:

THE VISION AND LEADERSHIP OF THE CURRENT AND PREVIOUS TOWN BOARDS AND OUR TOWN ENGINEER, WHO HAVE WORKED HARD TO PROTECT OUR GROUND AND SURFACE WATER RESOURCES.

THE USGS, NEW YORK STATE AND SUFFOLK COUNTY AGENCIES, STONY BROOK UNIVERSITY, AND THE SUFFOLK COUNTY WATER AUTHORITY FOR THEIR ONGOING TECHNICAL SUPPORT.

THE NATURE CONSERVANCY FOR THEIR CONTINUED ASSISTANCE AND SUPPORT OF WATER RESOURCES PROTECTION, AND THOSE WHO PARTICIPATED IN THE NATURE CONSERVANCY'S 2019 WATER LEADERS TRAINING. SEVERAL OF THE RECOMMENDATIONS IN THIS REPORT RESULTED FROM THAT TRAINING EVENT.

THE MANY PEOPLE OF SHELTER ISLAND WHO HAVE VOLUNTEERED THEIR TIME AND EXPERTISE OVER THE YEARS TO PROTECT OUR GROUND AND SURFACE WATER.

GROUND AND SURFACE WATER MANAGEMENT PLAN

- PREPARED BY THE WAC TO PRESENT AN INTEGRATED STRATEGY FOR MANAGING SHELTER ISLANDS AQUIFER AND IMPACTS ON SURFACE WATER
- PROVIDES BACKGROUND INFORMATION, GUIDING PRINCIPLES, AND A VISION
- VISION IS EXPRESSED IN FOUR KEY OUTCOMES
- TIME-PHASED RECOMMENDATIONS FOR EACH KEY OUTCOME
- INTENDED TO BE THE START OF A COMMUNITY ENGAGEMENT PROCESS
- DESIGNED TO BE INTEGRATED INTO THE COMPREHENSIVE PLAN UPDATE
- TO BE REVIEWED ANNUALLY AND UPDATED AS NEEDED
- ANNUAL PLAN TO IDENTIFY SPECIFIC ACTIONS NEEDED IN A GIVEN YEAR TO ACHIEVE KEY OUTCOMES OVER TIME

GUIDING PRINCIPLES

- **SHELTER ISLAND SHOULD BE A LEADER IN WATER QUANTITY AND QUALITY MANAGEMENT ON LONG ISLAND.**
- **SHELTER ISLAND SHOULD CONTROL AND OPTIMIZE THE USE OF ITS OWN GROUNDWATER RESOURCES.**
 - SINCE THE VOLUME OF AVAILABLE GROUNDWATER SUBSTANTIALLY EXCEEDS ANNUAL DEMAND, IMPORTING WATER FROM OFF-ISLAND IS NOT NECESSARY AT THE CURRENT TIME AND SHOULD BE CONSIDERED A “LAST RESORT” OPTION.
- **PROTECTION OF PUBLIC HEALTH, SAFETY, AND THE ENVIRONMENT ARE KEY GOVERNMENTAL RESPONSIBILITIES. APPLICABLE ACTIONS, INVESTMENTS AND INITIATIVES INCLUDE:**
 - FACILITATING ACCESS TO SAFE DRINKING WATER
 - PROTECTING THE QUALITY OF THE AQUIFER
 - PROTECTING SURFACE WATER BODIES WITHIN AND ADJACENT TO THE ISLAND’S SHORELINE

NOTE: ABOVE PRINCIPLES ASSUME COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS AS A BASELINE.

KEY OUTCOMES

A VISION OF WHERE WE WANT TO BE 15-20 YEARS FROM NOW

- **KEY OUTCOME 1:** ALL SHELTER ISLAND RESIDENTS HAVE READY ACCESS TO DRINKING WATER THAT MEETS ALL APPLICABLE LOCAL, STATE, AND FEDERAL STANDARDS.
- **KEY OUTCOME 2:** ALL WASTEWATER EFFLUENT ON SHELTER ISLAND DISCHARGED INTO THE AQUIFER OR SURFACE WATERS WILL BE AT A MAXIMUM OF 19MG/L.
- **KEY OUTCOME 3:** AS SHELTER ISLAND'S SOLE SOURCE AQUIFER, THE UPPER GLACIAL AQUIFER'S QUANTITY AND QUALITY WILL CONTINUE TO SUPPORT THE DRINKING WATER NEEDS OF RESIDENTS WITHOUT THE NEED FOR "OFF-ISLAND" WATER.
- **KEY OUTCOME 4:** SURFACE WATERS WITHIN AND SURROUNDING SHELTER ISLAND WILL NOT BE NEGATIVELY IMPACTED BY HUMAN ACTIVITY ON SHELTER ISLAND.

RECOMMENDATIONS

KEY OUTCOME 1: ALL SHELTER ISLAND RESIDENTS HAVE READY ACCESS TO DRINKING WATER THAT MEETS ALL APPLICABLE LOCAL, STATE, AND FEDERAL STANDARDS.

0-5 YEARS

- BEGIN DISCUSSION WITH PUBLIC WATER SUPPLIERS TO UNDERSTAND THE ENGINEERING AND FINANCIAL ASPECTS OF DEVELOPING LIMITED SCOPE PUBLIC WATER SUPPLY AND DISTRIBUTION SYSTEM(S) TO PROVIDE DRINKING WATER TO AREAS CURRENTLY UNABLE TO RELIABLY SOURCE POTABLE WATER FROM RESIDENTIAL WELLS (“CURRENTLY CHALLENGED AREAS”).
- DEVELOP A FINANCIAL MODEL AND IDENTIFY FUNDING SOURCES.
- CONSIDER ESTABLISHING WATER QUALITY DISTRICTS OR AN ISLAND-WIDE WATER MANAGEMENT DISTRICT.
- INSTALL PUBLIC WATER SUPPLY AND DISTRIBUTION SYSTEM(S) TO SUPPLY CURRENTLY CHALLENGED AREAS AND ESTABLISH ASSOCIATED MANAGEMENT AND OPERATING CAPABILITY.
- REVIEW TOWN BOARD OVERSIGHT OF THE WEST NECK WATER DISTRICT AND REVISE AS APPROPRIATE.

6-10 YEARS

- CHARACTERIZE (THROUGH SAMPLING AND ANALYSIS) AND MODEL THE AQUIFER TO IDENTIFY AND PRIORITIZE THE NEED FOR REMEDIATION OF CONTAMINANTS AND DEVELOPMENT OF ADDITIONAL WATER DISTRICTS ISLAND-WIDE.
- CREATE A TIME-PHASED MASTER PLAN FOR PUBLIC WATER UTILITY SERVICE TO THE REMAINDER OF SHELTER ISLAND.

11+ YEARS

- COMPLETE THE BUILD-OUT OF AN ISLAND-WIDE WATER SUPPLY UTILITY SYSTEM AS REQUIRED.
- CONSIDER INTEGRATING THE HEIGHTS, BRIDGE STREET WATER COMPANY, WEST NECK WATER, AND DERING HARBOR WATER SYSTEMS, AS APPROPRIATE.

KEY OUTCOME 2: *ALL WASTEWATER EFFLUENT ON SHELTER ISLAND DISCHARGED INTO THE AQUIFER WILL BE AT A MAXIMUM OF 19MG/L*

0-5 YEARS

- CONTINUE TO MONITOR DEVELOPMENTS AFFECTING THE I/A GRANT PROGRAMS (E.G. STATE AND COUNTY FUNDING AND TAX IMPLICATIONS) AND ADJUST PLANNING AS APPROPRIATE.
- CONSIDER ESTABLISHING AN ISLAND-WIDE WASTEWATER MANAGEMENT DISTRICT, OR LOCAL COMMUNITY DISTRICTS. (THIS WOULD FACILITATE SINGLE TREATMENT SYSTEMS SERVING MULTIPLE EFFLUENTS).
- CONTINUE THE PLAN TO DEVELOP A CENTRALIZED WASTEWATER TREATMENT PLANT TO SERVE EFFLUENTS FROM MUNICIPAL BUILDINGS IN TOWN CENTER. DESIGN THE TREATMENT PROCESS (AND PURCHASE REQUIRED LAND) BASED ON A MODULAR APPROACH THAT WILL ENABLE EXPANSION TO SERVICE RESIDENCES AND OTHER STRUCTURES IN THE CENTER IN THE FUTURE.
- CONTINUE TO CLOSELY MONITOR THE SUFFOLK COUNTY SUBWATERSHEDS WASTEWATER PLAN IMPLEMENTATION, PARTICULARLY THE INTENT TO IDENTIFY A “RELIABLE RECURRING FUNDING SOURCE” FOR THE IMPLEMENTATION OF THE PLAN.

KEY OUTCOME 2: CONTINUED

0-5 YEARS (CONTINUED)

- ADOPT A SET OF CRITERIA TO PRIORITIZE ALLOCATION OF TOWN GRANT FUNDS FOR INNOVATIVE/ADVANCED WASTEWATER TREATMENT SYSTEMS (I/A SYSTEMS). *[NOTE: THE WATER QUALITY IMPROVEMENT ADVISORY BOARD IS CURRENTLY DEVELOPING SUCH A SET OF CRITERIA]*
- CONTINUE THE TOWN GRANT PROGRAM FOR I/A SYSTEM INSTALLATION USING THE PRIORITIZED CRITERIA.
- DEVELOP A LOW/NO INTEREST LOAN PROGRAM FOR I/A SYSTEM INSTALLATION.
- DESIGNATE “WATER PROTECTION ZONES” (WPZS) WHERE ESTIMATED EFFLUENT TRAVEL TO SURFACE WATER (FRESH OR SALT) IS LESS THAN 2 YEARS (BASED ON 1 FT/DAY MOVEMENT) AND AREAS THAT ARE CURRENTLY EXPERIENCING GROUNDWATER AT OR ABOVE 7MG/L OF NITRATES.

KEY OUTCOME 2: CONTINUED

0-5 YEARS (CONTINUED)

- PROMULGATE A REGULATION THAT REQUIRES UPGRADING CESSPOOL-ONLY WASTE SYSTEMS TO ADD AN I/A SYSTEM UPON PROPERTY TRANSFER (UNLESS DETERMINED NOT TO BE FEASIBLE BY A PROFESSIONAL ENGINEER). SUGGEST A “VOLUNTARY COMPLIANCE PERIOD” OF 3 YEARS FOR PROPERTIES IN WPZS (BASED ON THE PERMITTING AND GRANT APPLICATION PROCESS DURATION) AND 5 YEARS FOR ALL OTHER AREAS, PRIOR TO THE REQUIREMENT TAKING EFFECT.
- ELIMINATE THE EXEMPTION TO MANDATORY I/A SYSTEM INSTALLATION FOR NEW CONSTRUCTION UNDER 1,500SF; CREATE AN EXEMPTION SO THAT NEW CONSTRUCTION UNDER 1,500SF CAN QUALIFY FOR A TOWN I/A GRANT
- COMPLETE CONSTRUCTION AND BEGIN OPERATIONS OF PHASE I OF THE CENTER WASTEWATER TREATMENT FACILITY.

6-10 YEARS

- EXPAND THE CENTER WASTEWATER TREATMENT SYSTEM (PHASE II) TO SERVE ADDITIONAL STRUCTURES IN THE CENTER.

11+ YEARS

- UPGRADE THE PROPERTY TRANSFER REGULATIONS TO REQUIRE AN I/A SYSTEM UPON TRANSFER OF ALL PROPERTIES, INCLUDING THOSE WITH SEPTIC SYSTEMS.

KEY OUTCOME 3: AS SHELTER ISLAND'S SOLE SOURCE AQUIFER, THE UPPER GLACIAL AQUIFER'S QUANTITY AND QUALITY WILL CONTINUE TO SUPPORT THE DRINKING WATER NEEDS OF RESIDENTS WITHOUT THE NEED FOR "OFF-ISLAND" WATER

0-5 YEARS

- CONTINUE TO MONITOR WATER TABLE LEVELS AND IMPLEMENT WATER USE RESTRICTIONS AS INDICATED.
- BEGIN DEVELOPMENT OF A GROUNDWATER MODEL [NOTE: GRANT REQUEST PENDING].
- CONDUCT A HISTORICAL SURVEY TO IDENTIFY AREAS OF CONCERN FOR FURTHER CHARACTERIZATION.
- COMPLETE THE PROJECT TO RECYCLE HEIGHTS WASTEWATER TREATMENT PLANT EFFLUENT THROUGH IRRIGATION OF GOAT HILL WHILE ENSURING THAT HEIGHTS AND WEST NECK WATER WELLS ARE NOT NEGATIVELY IMPACTED.
- IDENTIFY HIGH-VOLUME WATER USERS TO TARGET FUTURE EDUCATION, FUNDING AND SUPPORT.
- PROMULGATE REGULATIONS REQUIRING HUNTER CURVE DEMAND ANALYSIS FOR ANY PROPOSED NEW CONSTRUCTION, RECONSTRUCTION OR RENOVATION. AND AQUIFER IMPACT ANALYSES FOR DEVELOPMENT IN SENSITIVE AREAS OR LARGE HOMES/BUILDINGS (OVER 5,000SF) AND WELL RELOCATION ONTO PUBLIC PROPERTY. INCORPORATE INTO TOWN CODE [CHAPTER 43 §43-6] AND BUILDING PERMIT PROCESS.
- PROVIDE TOWN OVERSIGHT/ENFORCEMENT OF SUFFOLK COUNTY BAN ON APPLICATION OF FERTILIZER BETWEEN NOVEMBER 1 AND APRIL 1.

KEY OUTCOME 3: CONTINUED

0-5 CONTINUED

- REQUIRE BUSINESSES SELLING FERTILIZER TO POST FERTILIZER AREAS WITH THE NOTICE REQUIRED BY SUFFOLK COUNTY. PROVIDE PERIODIC TOWN OVERSIGHT OF COMPLIANCE.
- REQUIRE THE USE OF 50% SLOW RELEASE FERTILIZERS ON SHELTER ISLAND.
- DEVELOP A REBATE PROGRAM AND LOW/NO-INTEREST FINANCING OPTIONS FOR REPLACEMENT OF RESIDENTIAL UNDERGROUND FUEL OIL STORAGE TANKS.
- ISSUE REGULATIONS REQUIRING ABANDONMENT OR REMOVAL OF UNDERGROUND FUEL OIL STORAGE TANKS UPON PROPERTY TRANSFER, WITH A VOLUNTARY COMPLIANCE PERIOD OF 2 YEARS FOR TANKS IN WPZS AND 5 YEARS FOR ALL OTHER AREAS FROM THE DATE THE REQUIREMENT TAKES EFFECT. *[REF: TOWN CODE CHAPTER 43 §10.3]*
- REQUIRE LANDSCAPERS TO OBTAIN A SHELTER ISLAND LICENSE (ELIMINATE CURRENT EXEMPTION FOR LANDSCAPING *[REF: TOWN CODE CHAPTER 79, §79-1]*) AND TO PROVIDE PROOF OF SUFFOLK COUNTY LICENSE AND STAFF TRAINING IN TURF MANAGEMENT AS REQUIRED BY SUFFOLK COUNTY.

KEY OUTCOME 3: *CONTINUED*

6-10 YEARS

- REPEAT THE BASELINE STUDY OF GROUNDWATER TO IDENTIFY TRENDS AND EFFECTIVENESS OF ACTIONS TAKEN.
- REQUIRE A STANDARD, REMOTE-READING-CAPABLE WATER METER TO BE INSTALLED ON ALL NEW CONSTRUCTION.
- REQUIRE OWNERS TO CONNECT TO PUBLIC WATER SUPPLY WHERE AVAILABLE.
- REQUIRE ENHANCED RAINFALL CAPTURE SYSTEMS.

11+ YEARS

- COMPLETE FULL IMPLEMENTATION OF A GROUNDWATER MODEL AND INTEGRATE ITS USE INTO TOWN DECISION-MAKING AND APPROVAL PROCESSES. (E.G. BUILDING PERMITS, PLANNING AND ZONING BOARD REVIEW AND APPROVAL PROCESSES).

KEY OUTCOME 4: SURFACE WATERS WITHIN AND SURROUNDING SHELTER ISLAND WILL NOT BE NEGATIVELY IMPACTED BY HUMAN ACTIVITY ON SHELTER ISLAND

0-5 YEARS

- DEVELOP A MONITORING PROGRAM FOR SURFACE WATERS CONTAINED WITHIN AND SURROUNDING SHELTER ISLAND IN CONJUNCTION WITH THE NATURE CONSERVANCY AND THE PECONIC ESTUARY PARTNERSHIP. THE PURPOSE IS TO DEVELOP A DATABASE OF LOCAL SURFACE WATER QUALITY INFORMATION THAT CAN BE USED TO TREND POLLUTANT LEVELS, ASSIST IN THE GROUNDWATER MODELING AND MANAGEMENT EFFORTS, AND ASSIST WITH SHELLFISH MANAGEMENT AND AQUACULTURE ACTIVITIES.
- PARTICIPATE IN LOCAL ACTIONS TO ADDRESS THE PARASITE-INDUCED 2019 SCALLOP DIE-OFF AND IMPLEMENT APPROPRIATE PREVENTIVE MEASURES.
- REVISIT THE REQUIREMENT FOR PERMEABLE DRIVEWAYS SINCE IT IS COMMON PRACTICE TO APPLY PESTICIDES TO GRAVEL AND OTHER PERMEABLE DRIVEWAY MATERIALS. THE PESTICIDES ENTER RUNOFF DURING STORMS.
- CONTINUE TO IMPROVE CONTROL OF STORM WATER RUNOFF TO REDUCE CONTAMINATION OF GROUND AND SURFACE WATERS.
- CONTINUE TO IMPLEMENT THE SHELTER ISLAND WATERSHED MANAGEMENT PLAN.

KEY OUTCOME 4: *CONTINUED*

0-5 CONTINUED

- CONTINUE TO IMPROVE CONTROL OF STORM WATER RUNOFF TO REDUCE CONTAMINATION OF GROUND AND SURFACE WATERS.
- CONTINUE TO IMPLEMENT THE SHELTER ISLAND WATERSHED MANAGEMENT PLAN.

6-10 YEARS

- ACHIEVE FULL COMPLIANCE WITH THE OBJECTIVES OF THE WATERSHED MANAGEMENT PLAN.

WHAT ARE THE NEXT STEPS?

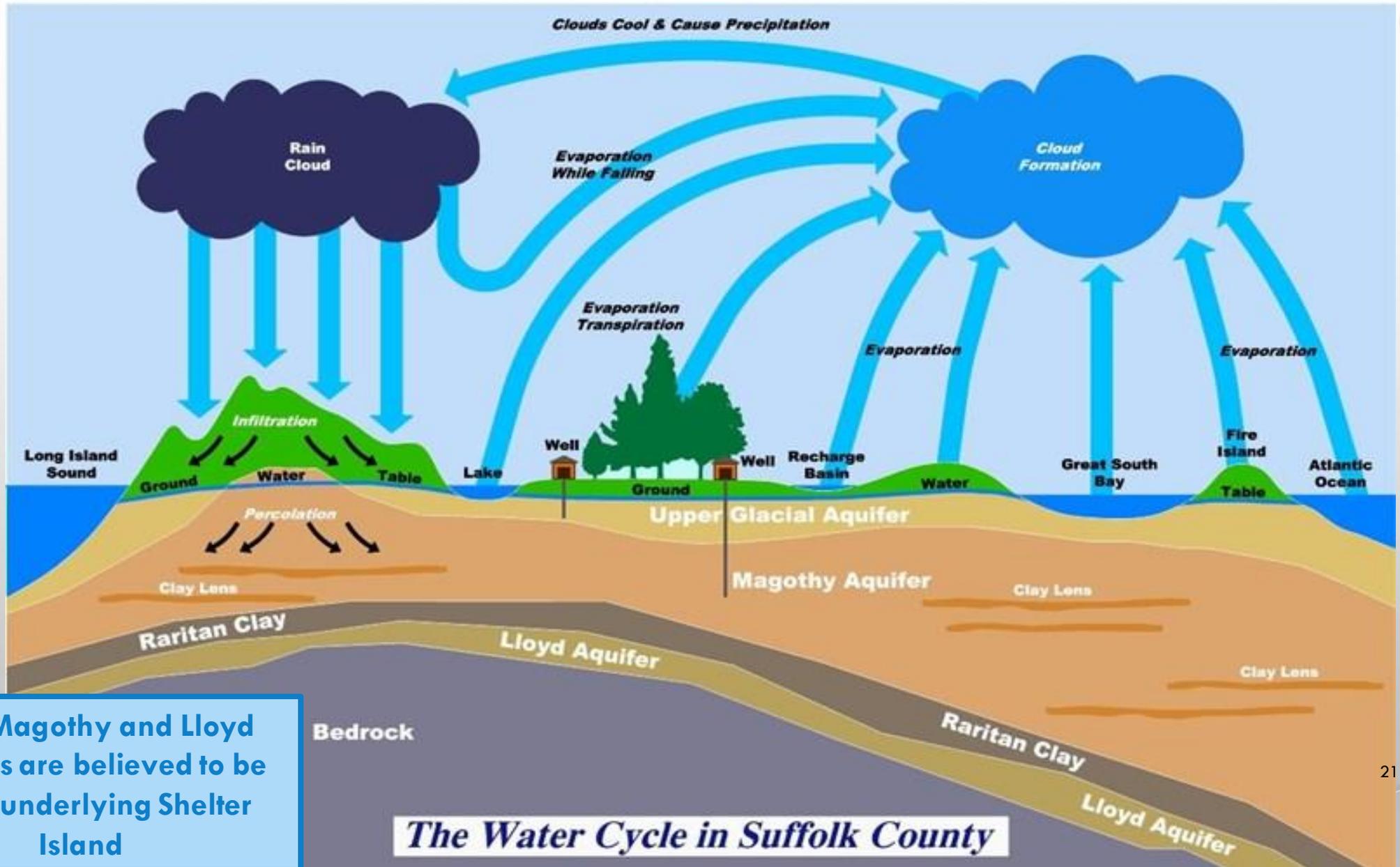
- ENGAGE THE COMMUNITY TO MODIFY THIS PLAN AND DEVELOP AN ANNUAL PLAN THAT IDENTIFIES ACTIONS NEEDED IN 2020 TO WORK TOWARD THE KEY OUTCOMES.
 - SPECIFIC ACTIONS
 - INDIVIDUAL RESPONSIBLE FOR EACH
 - RESOURCES REQUIRED
 - MILESTONES
- PROVIDE FUNDING FOR THE PLAN
- CREATE A MANAGEMENT PROCESS TO ENABLE THE TOWN BOARD TO TRACK PROGRESS AGAINST THE ANNUAL PLAN QUARTERLY.
- INTEGRATE THIS PLAN WITH THE COMPREHENSIVE PLAN UPDATE PROCESS.



QUESTIONS?

BACKUP SLIDES

AQUIFER OVERVIEW

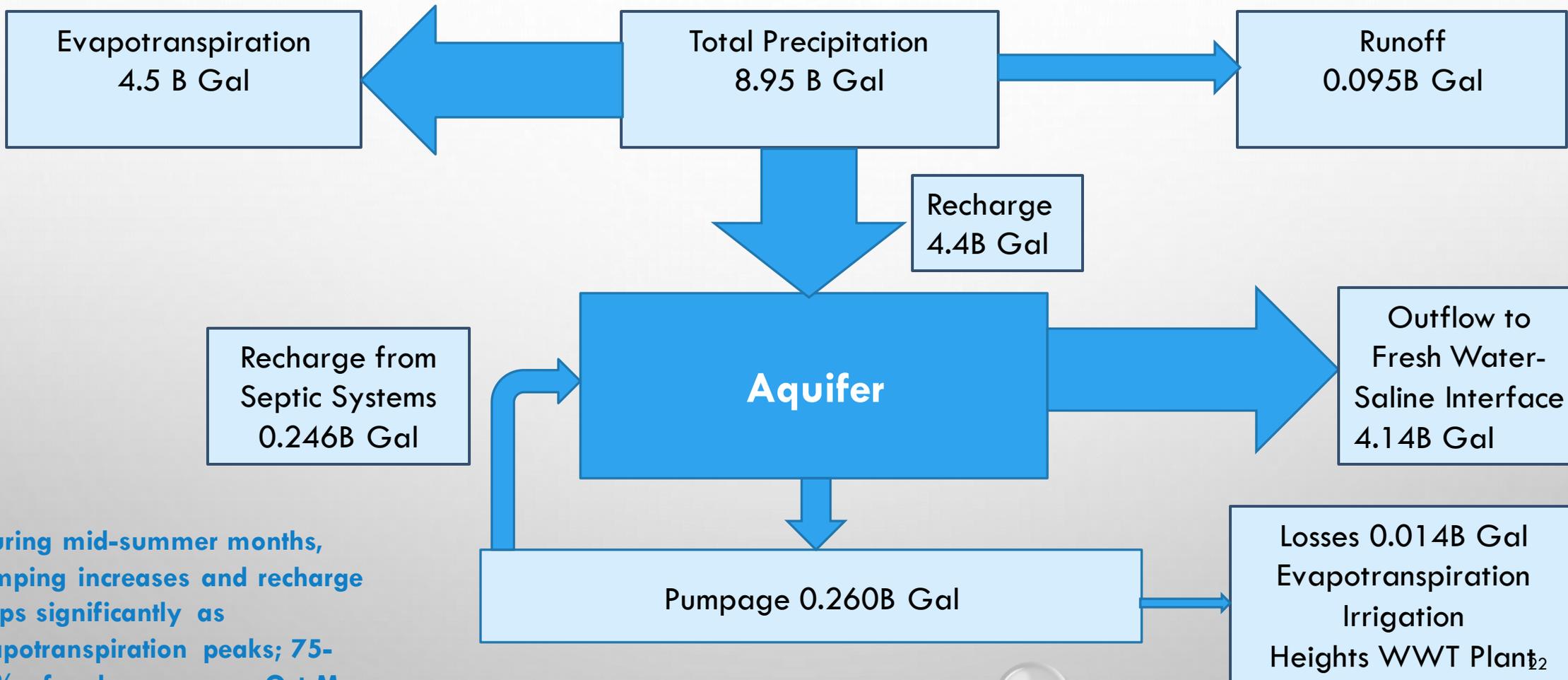


Note: Magothy and Lloyd Aquifers are believed to be saline underlying Shelter Island

The Water Cycle in Suffolk County

AQUIFER OVERVIEW

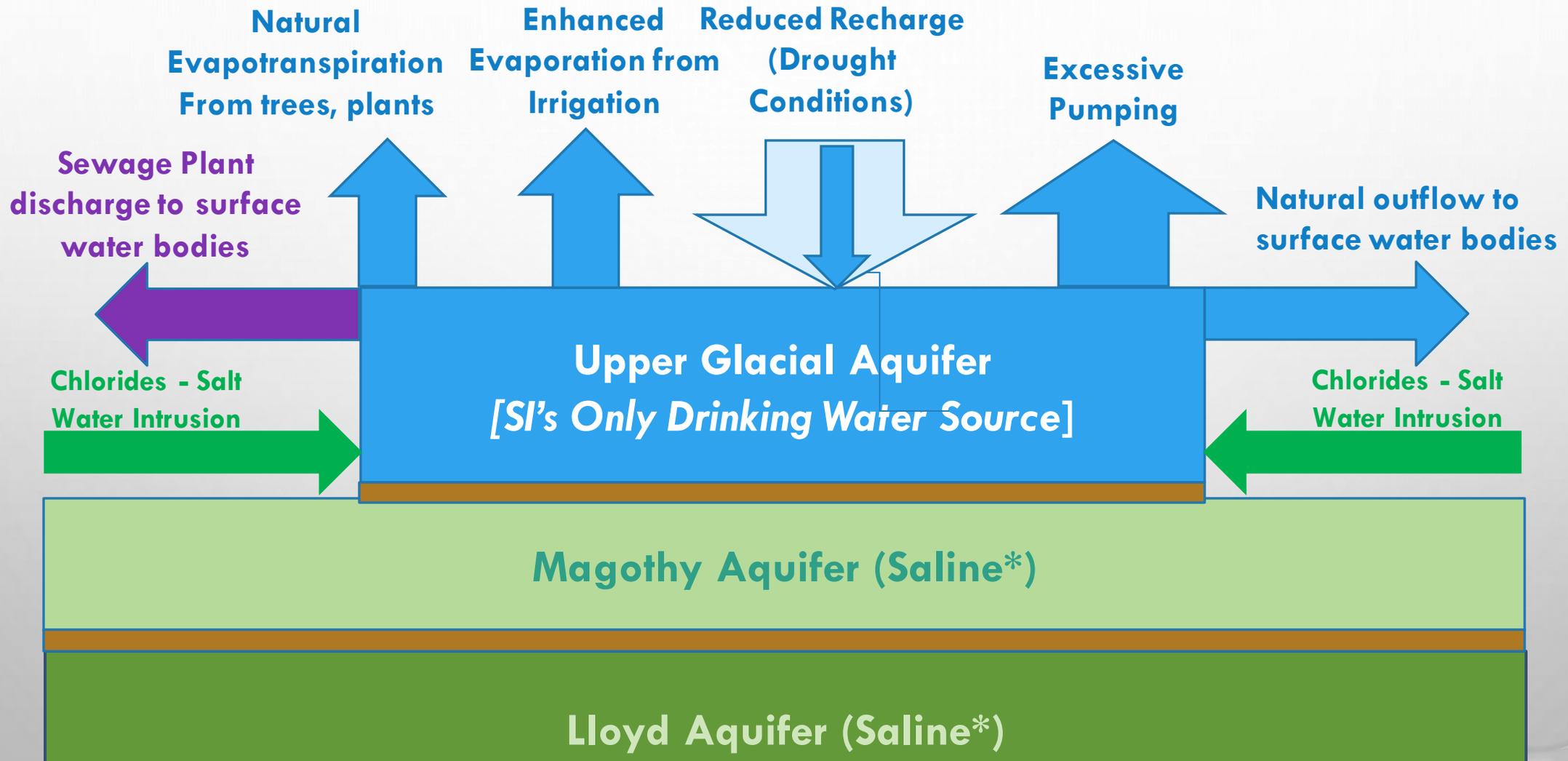
ANNUAL* WATER BALANCE



*During mid-summer months, pumping increases and recharge drops significantly as evapotranspiration peaks; 75-90% of recharge occurs Oct-May

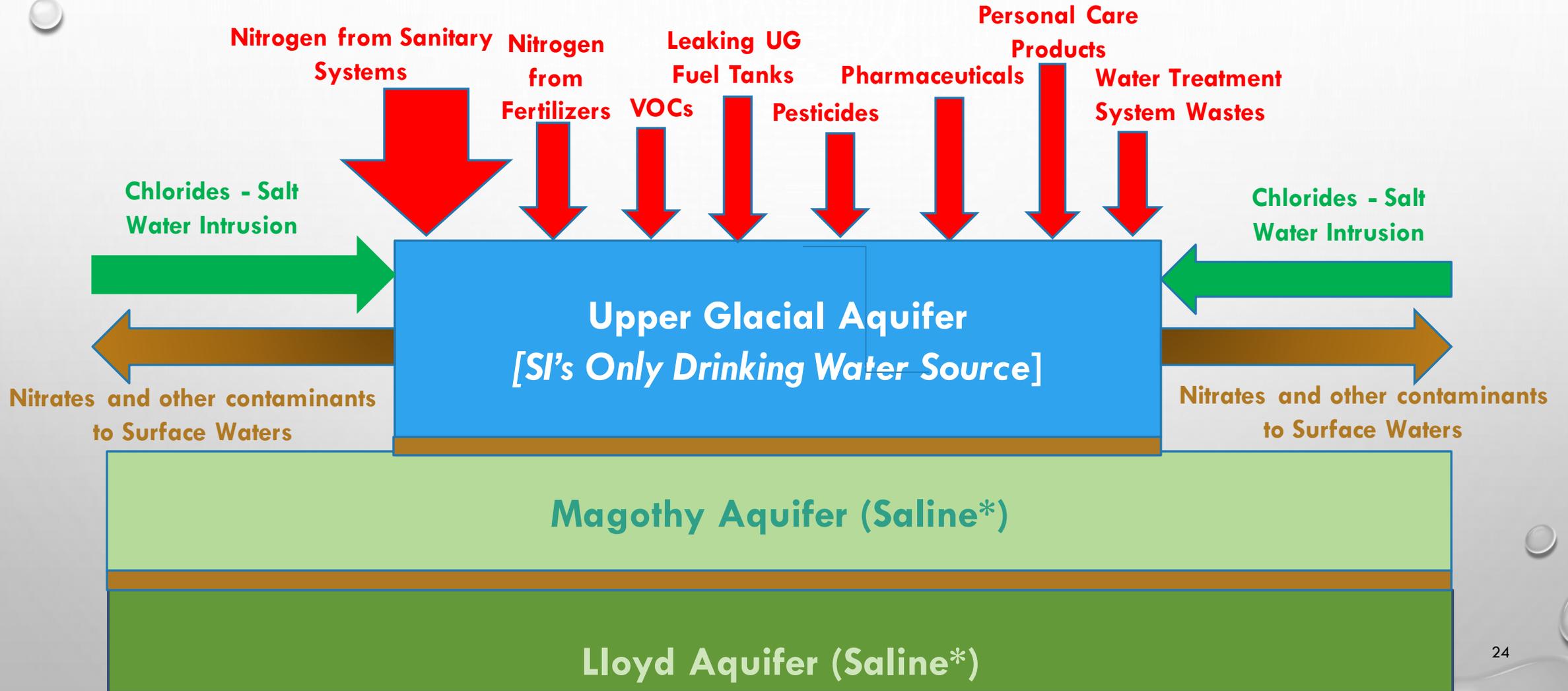
AQUIFER OVERVIEW

THREATS TO AQUIFER QUANTITY:



AQUIFER OVERVIEW

THREATS TO AQUIFER QUALITY: THE SOURCE TERMS



AQUIFER OVERVIEW

Nitrogen Load by Source

- Atmospheric deposition
- Wastewater: treatment facilities
- Wastewater: septic/cesspool systems
- Fertilizer: agriculture
- Fertilizer: lawns
- Fertilizer: golf courses
- Subwatershed boundaries

**On Shelter Island
Septic/Cesspool Systems are
50 – 70% of our Nitrogen
Source Term**



AQUIFER OVERVIEW

CURRENT WATER SUPPLY MODEL

Water supply Systems	Annual Pumpage (mgd)	Comments
Private wells	226	87% of Island's total pumpage
Shelter Island Heights	27	
Dering Harbor/SCWA	3	
West Neck Water District	4	
Total	260.0	

- SHELTER ISLAND PRIVATE WELLS SUPPLY **87%** OF TOTAL VS **10%** IN SUFFOLK COUNTY
- CURRENT WATER DISTRICTS SUPPLY ONLY **13%** OF ISLAND'S NEEDS
- SOME PRIVATE WELLS ALREADY REQUIRE TREATMENT SYSTEMS TO ACHIEVE DRINKING WATER STANDARDS

PARTNERS IN THE SOLUTION

Contaminant	Home owners	Commercial Property Owners	Landscapers And Fertilizer Retailers	Gas Stations & Fuel Suppliers	All Residents and Visitors
Nitrogen from Sanitary Systems					
Nitrogen from Fertilizers					
VOCs					
UG Fuel Tanks					
Pesticides					
Pharmaceuticals					
Personal Care Products					

4.1 NITROGEN LOADING FROM OWTS

4.1 I/A OWTS: WHAT OTHERS HAVE DONE

Actions	Suffolk County	Brookhaven Town	Easthampton	Southampton
Sensitive Area Designated	Yes	500ft from body of water Nitrogen Protection Zones (NPZs)	Water Protection District	High Priority – 0-2yrs to surface water+ other factors Med priority – 0-10yrs [Areas designated in WQIPP]
I/A OWTS Required	New construction in environmentally sensitive areas Failed cesspools cannot be replaced like in kind; must install septic; for certain commercial situations, SCDHS may require I/A OWTS	New residences or replacement construction in NPZs Residences built on or before 12/31/86: add BRs or increase floor area >10% Residences built on or after 1/1/87: add BRs or incr floor area >50% [Replacement construction due to natural disaster can apply for financial hardship waiver]	All properties in Town New buildings and structures Voluntary replacement of existing sanitary system All substantial expansion of existing structures All EPA-required upgrades of large capacity cesspools All non-residential properties that require site plan reviews	All new residential construction in high priority area Any substantial septic upgrades required by SCDHS Increase > 25% of floor area New septic system or substantial Septic upgrade required by the Wetlands section of the Town Code SCDHS approval of I/A OWTS required
Rebate Program	Yes	No; rely on SC program	Properties in Water Protection District eligible Must qualify for Basic STAR or own non-residential property 100% of cost reimbursed	High and Medium Priority areas only Max \$20K Income <\$300K 100% of cost \$301-500K 50% \$500K - \$1M 25% >\$1M 0%
Treatment Level	19mg/L residential	19 mg/L	19mg/L until SCDHS 10mg/L approved	19 mg/L

4.0 AQUIFER PROTECTION

4.2 NITROGEN LOADING FROM FERTILIZERS

CURRENT STATUS	RECOMMENDATIONS
<p>Suffolk County requires:</p> <ul style="list-style-type: none">• Establishments selling fertilizers to post signage and make brochures available near fertilizer locations• Contractors applying fertilizers to be licensed and attend a SC approved Turf Management course	<p>Shelter Island should conduct periodic checks of establishments on the island to verify compliance</p>
<p>Shelter Island Town</p> <ul style="list-style-type: none">• Excludes Landscaping Contractors for the requirement to obtain a Home Improvement Contractor's License	<ul style="list-style-type: none">• Shelter Island should require Landscaping contractors who apply fertilizers to obtain a license and require evidence of SC license as a prerequisite• All contractor staff applying fertilizer must take approved SC Turf Management course• Develop local course for landscapers covering S I Water Protection Zone requirements

4.0 AQUIFER PROTECTION

4.3 UNDERGROUND FUEL TANKS

Current Status	Recommendations
<p>Shelter Island Requires:</p> <ul style="list-style-type: none"> Removal or Abandonment of UG oil tank (<1,00 gal) and replacement with AG tank for a building permit for reconstruction (as defined in Chapter 129) 	<ul style="list-style-type: none"> Require removal or abandonment of UG oil tanks and replacement with compliant AG tank in all Water Protection Zones (WPZs) In WPZs, require tank removal or abandonment Certificate from a contractor licensed in Suffolk County upon property transfer – after 3 year voluntary compliance period Require leak test and certification every 5 years for all UG oil tanks in non WPZ areas
<p>No incentives offered to motivate removal/abandonment of UG oil tanks</p>	<p>Establish an rebate program for removal and abandonment of UG oil tanks with similar provisions and priorities to the rebate program for I/A OWTS installations</p>