# Asset Inventory for Alaska Communities

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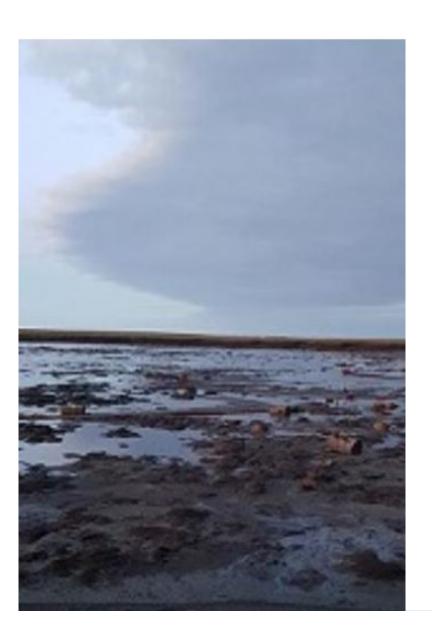




### What is an Asset?

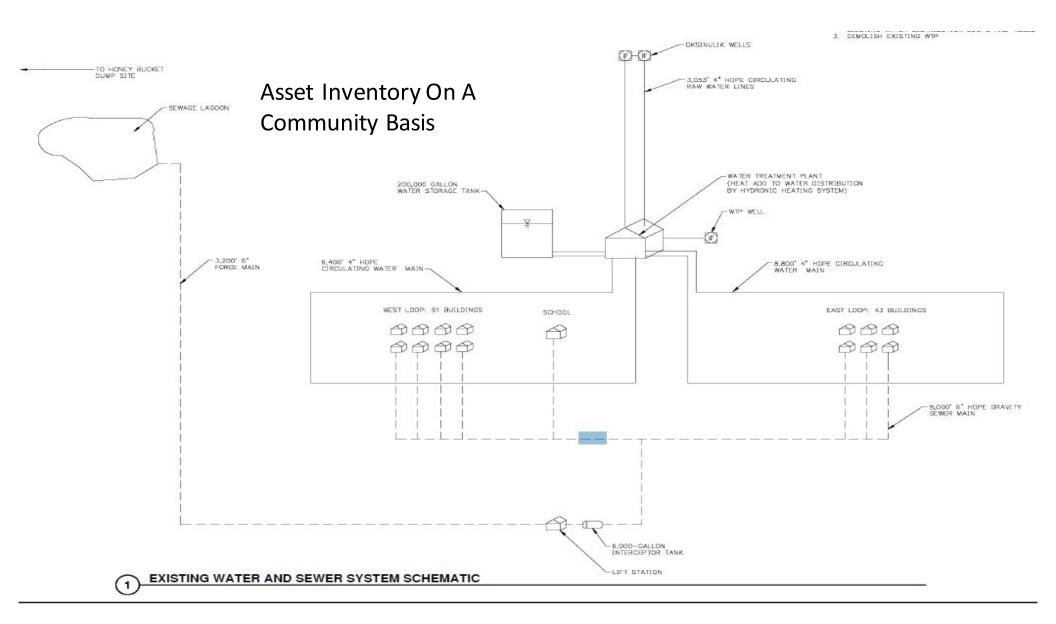


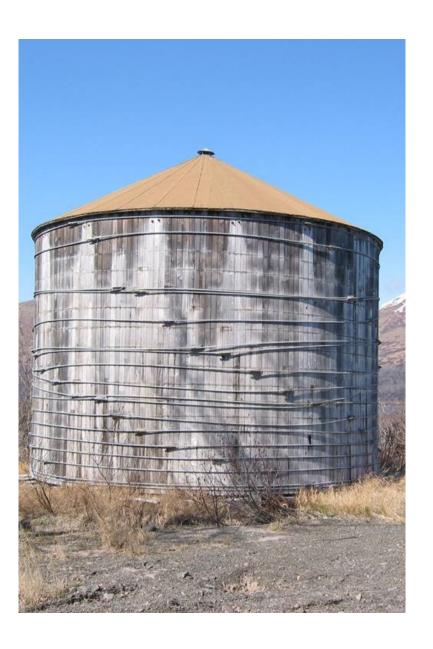




## The \$2 Billion Question: What Have These Investment Provided?

- Number of Communities with Piped Systems
- Number of Lagoons
- Number of Water Treatment Plants and Conditions
- Existing Assets for 2011 Tribal Drinking Water Infrastructure Needs Survey
- Asset inventory, the hardcopy version
- Assets Threatened Due to Changing Environmental Conditions





#### Answering The \$2 Billion Question

- Developing an asset inventory database
- Asset (WST, WTP, Wells, Mains, Lagoons..)
  - Quantity (Feet, Gallons, Acres)
  - Materials
  - Age (Year installed)
  - Condition
    - A-No deficiencies related to the asset providing the intended service
    - B Deficiencies that can be address with sufficient O&M practices
    - C Deficiencies decreasing efficiencies and increasing O&M costs
    - D Deficiencies effecting the quantity or quality of service and cannot be addressed by sufficient O&M practices
    - F No longer capable of providing service, structurally failing, beyond repair
- Verify asset information
- Maintaining asset information

## Other applications of an W&S infrastructure assets inventory:

- Useful in preparation for future funding/ having "ducks in a row" regarding need/vulnerable assets. Will allow managers and funders to be less subjective in the decision making process.
- Promotes community understanding of water and sanitation system value

#### Goal for Todays Workshop

- Discuss the value of an asset inventory database
- Discuss how to develop an asset inventory database
- Discuss ideas on how to collect and verify existing assets
- Discuss how to classify the condition of the assets, grades
  - Grades for condition
  - Grade for threat
  - Grade for impact of loss
  - Grade for health impacts
- Discuss how to keep the asset information current
  - Changing conditions
  - New Investments in infrastructure
- Comprehensive asset inventory useful from a community to a statewide basis
- Weighting/prioritization approach for the at-risk infrastructure identified

