

City of Wasilla May 13, 2019

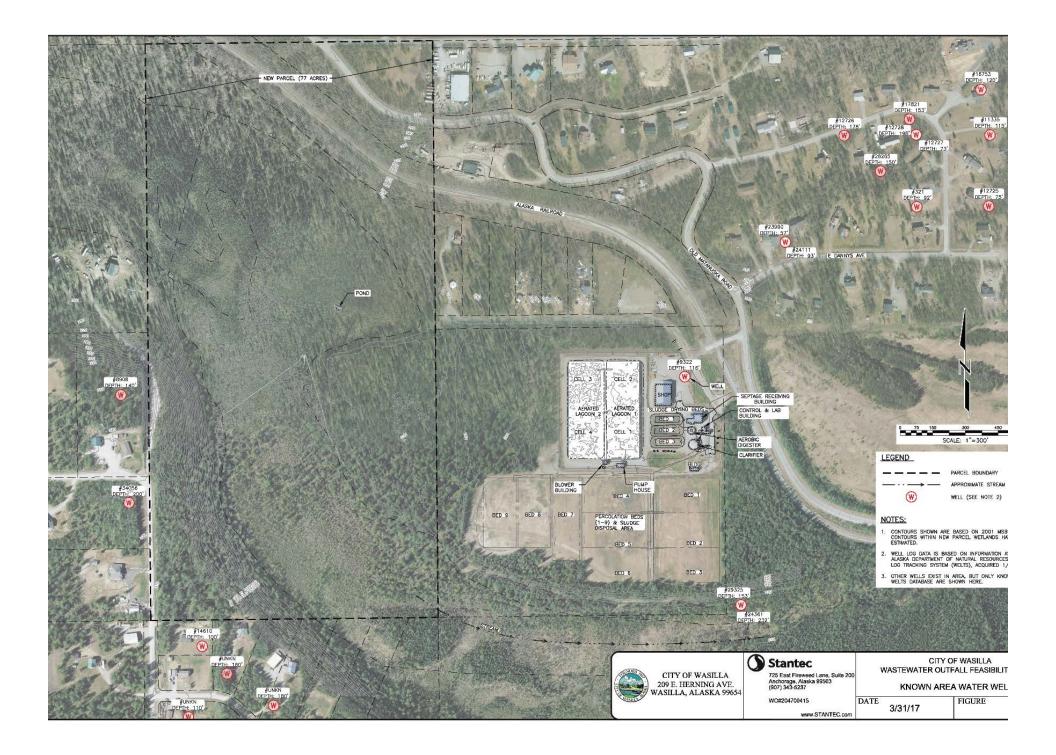
Wastewater Outfall Pilot Study – Status Update





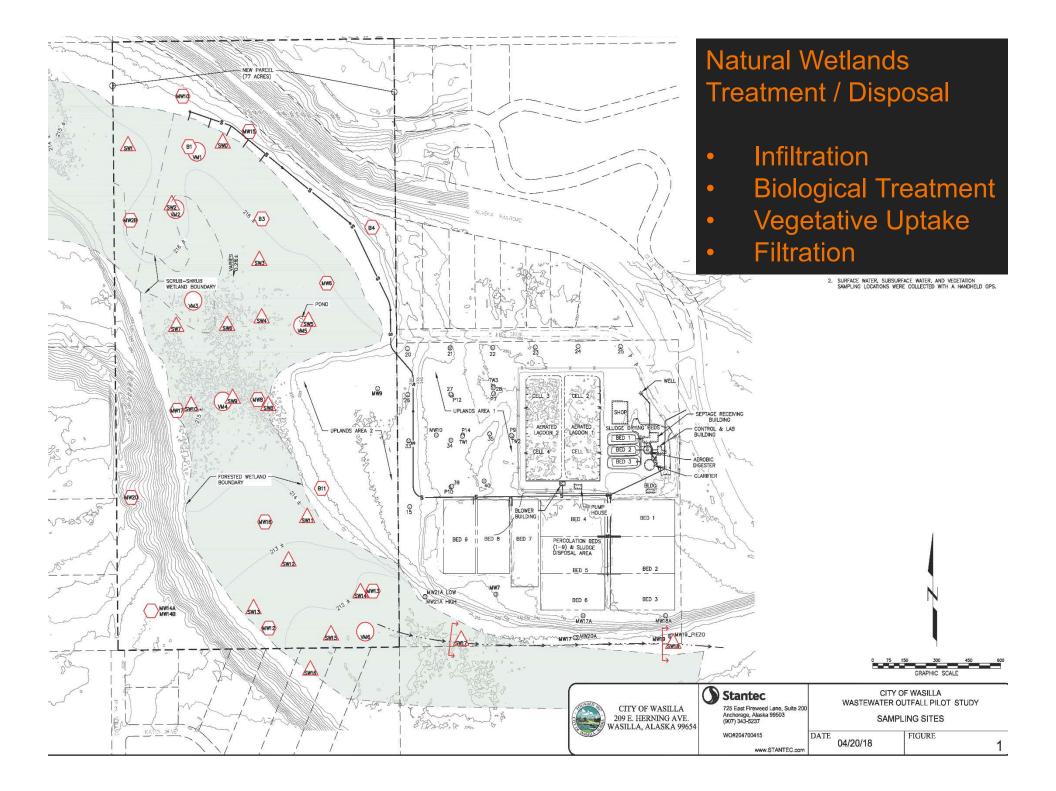
Outline

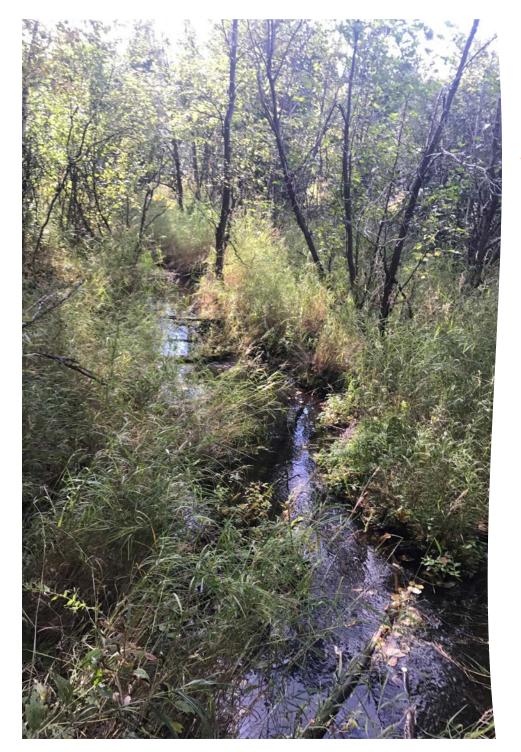
- Project Overview
- Work to Date
- Next Steps





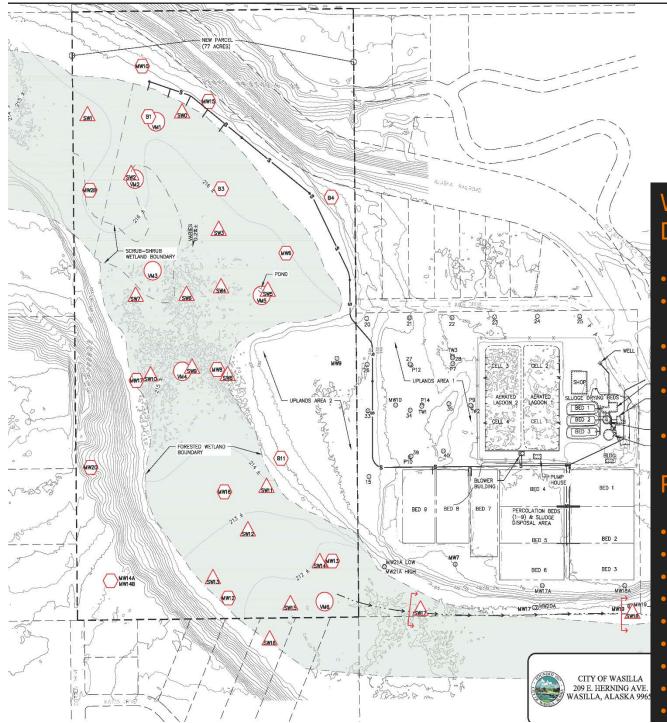






Work to Date

- Draft feasibility study
- Pilot study plan
- SubWet model
- Agency scoping and coordination
- Wetland delineation
- Archeological survey
- Geotechnical investigation
- Hydrogeologic study & groundwater modeling
- Background data collection (~22 months)
- Website
- Design & construction of discharge piping & road



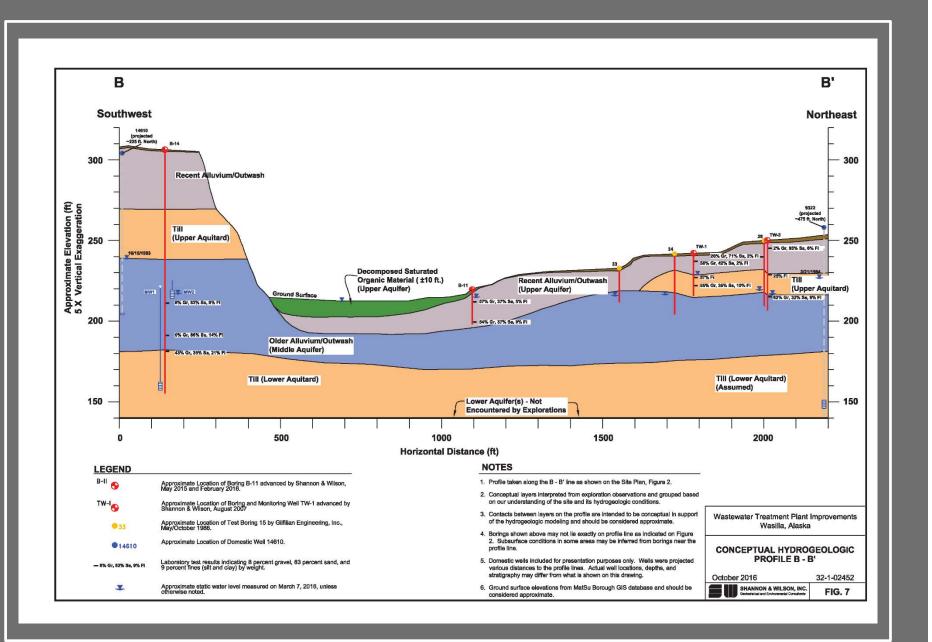
LEGEND. APPROXIMATE STREAM CHANNEL PARCEL BOUNDARY WETLANDS SURFACE WATER SAMPLING SITE WEGETATION MONITORING SITE VEGETATION MONITORING SITE STREAM CAGING STATION

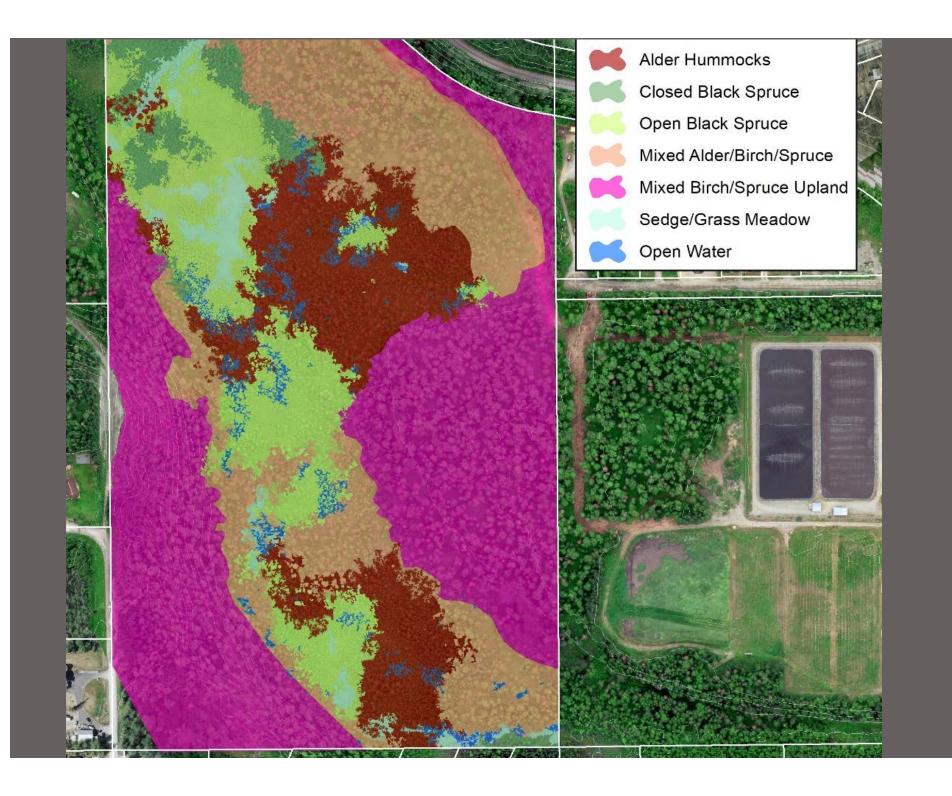
Water Quality Background Data

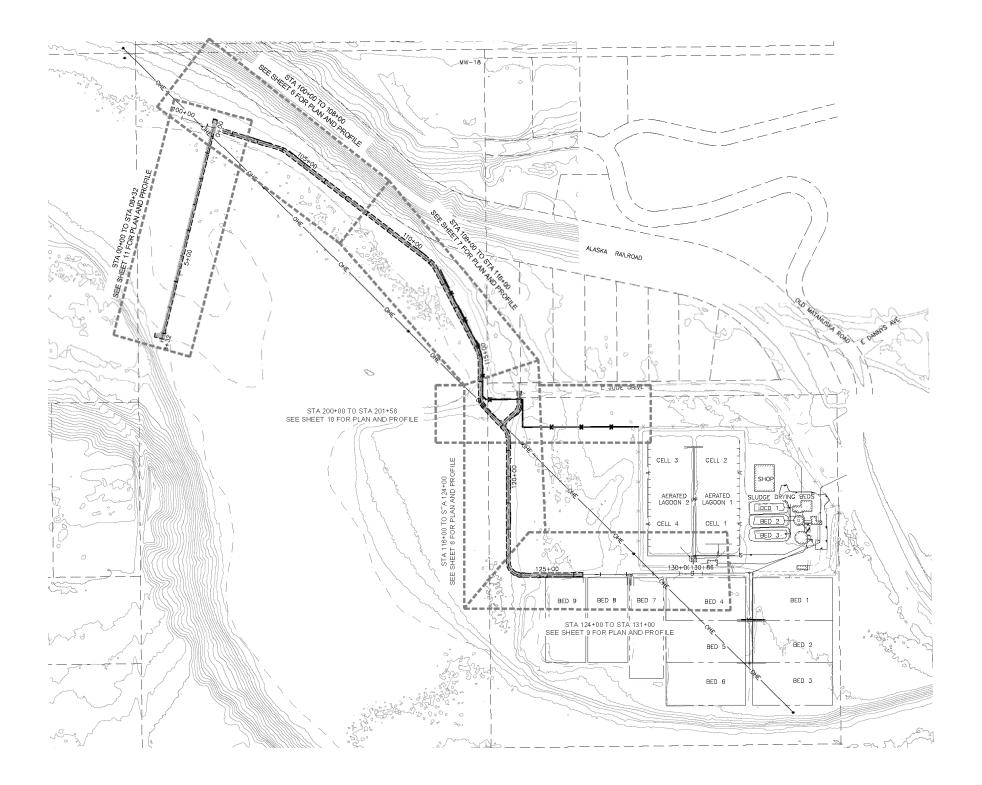
- 19 surface sites (monthly)
- 16 groundwater wells (quarterly)
- 11 private wells
- 2 stream gauges
- 6 vegetation monitoring sites
- (quarterly)
- Aerial imagery

Parameters

- Biological oxygen demand
- Total suspended solids
- pН
- Fecal and total coliforms
- Nitrate / Nitrite
- Ammonia
 - Phosphorous
- Metals
- WET Testing (4x)









Next Steps

- Pilot Study Discharge June 2019
- Discharge monitoring including DNA specific fecal coliform
- Dye tracer study
- Drone flights
- Model calibration
- Reporting
- Public involvement



City of Wasilla Wastewater Outfall Pilot Study

May 13, 2019

Questions?

