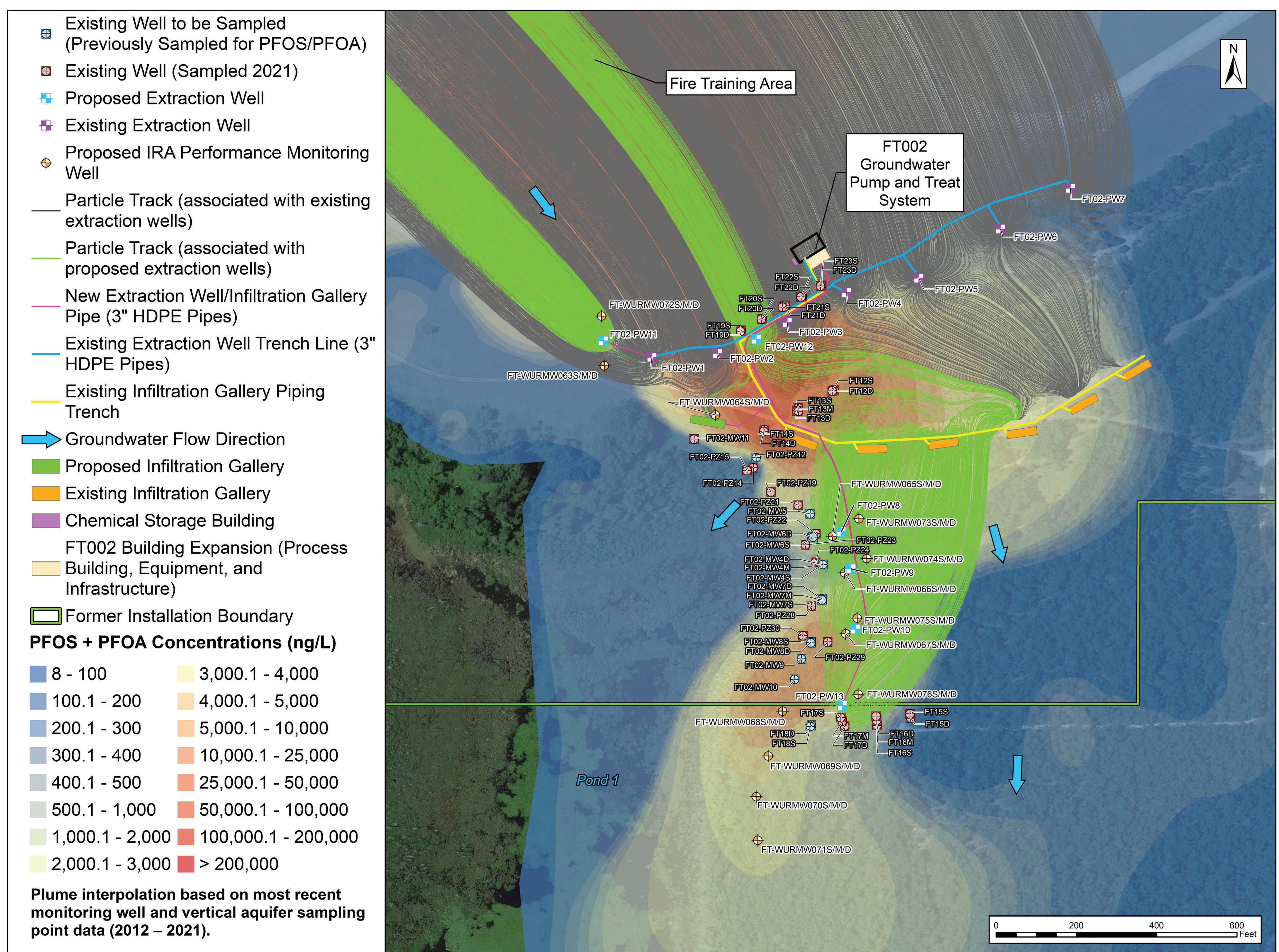


# FT002 AT CLARK'S MARSH HYDRAULIC CONTROL SYSTEM

## Groundwater Modeling and New Proposed Extraction Well Locations

- The hydraulic conductivity (K) or capability of the aquifer to transmit groundwater, is approximately 137 feet (ft)/day in the core plume area and represents the highly permeable sand and gravel aquifer
- The K values near the leading edge of the plume are estimated to be 0.1 ft/day within the flood plain and peat deposits
- Groundwater modeling results indicate that four extraction wells in the downgradient area of the plume should reduce mass flux (the rate of flow of contaminants through a given surface) into Clark's Marsh and that two extraction wells in line with the current upgradient extraction well field will provide capture of the upgradient plume
- The estimated maximum treatment system flow rate is 445 gallons per minute



The green and gray lines (particle tracks) represent how contaminated groundwater will be captured by the extraction wells at the design pumping rates.