

Hoosick Falls
Community Participation Working Group

AUGUST 2020

Honeywell

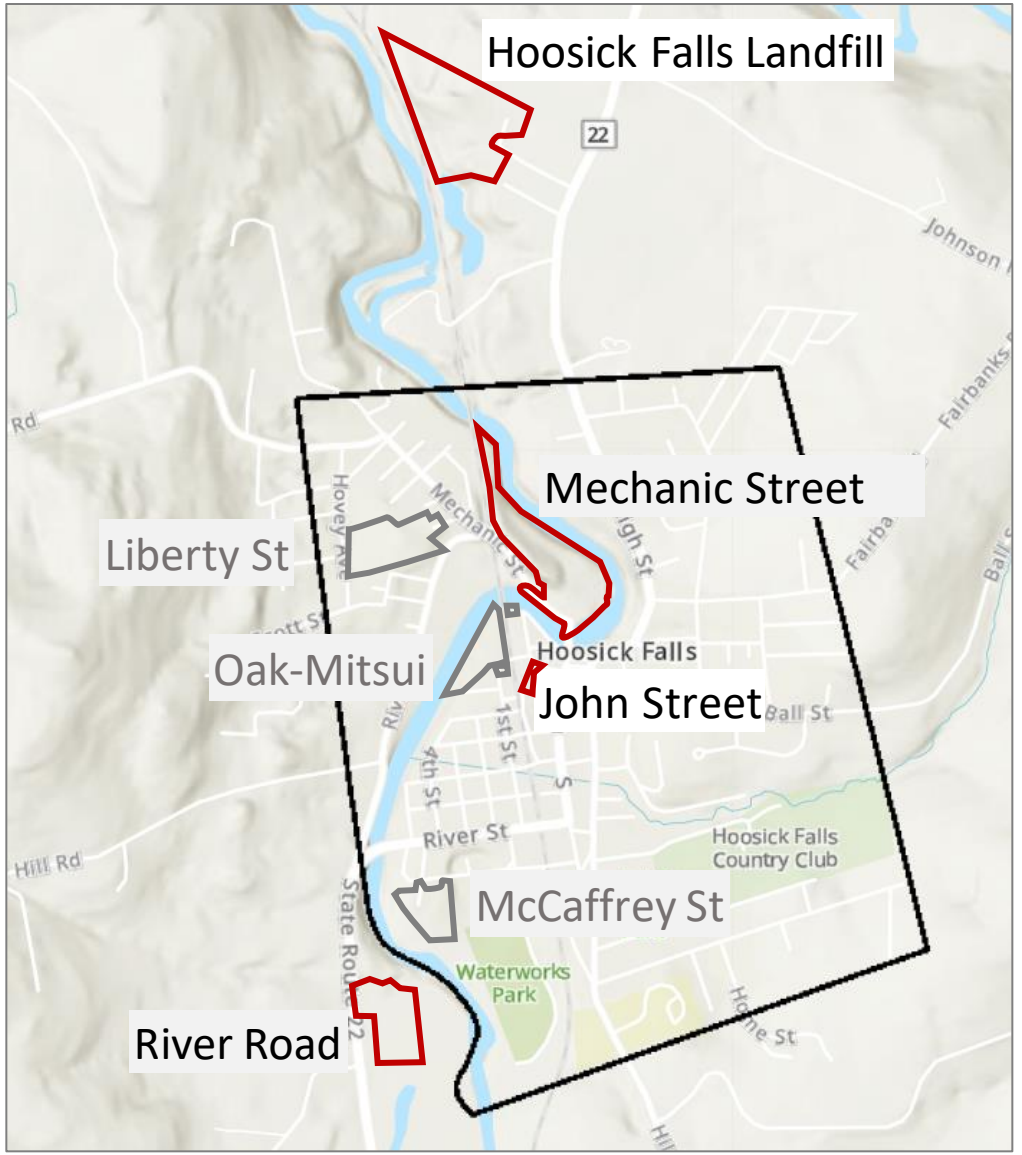
AREA-WIDE ACTIVITIES – HONEYWELL LEAD

John Street

- Vapor mitigation in building basements
- Interim Remedial Measure at old culvert
- Groundwater Interim Remedial Measure
- Volatile compounds investigation
- Additional wells
- Hoosic River sampling

Other Ongoing Activities

- River Road investigation
- Landfill investigation
- Mechanic Street



SOIL VAPOR INTRUSION ACTIVITIES: 2017 – 2020

Sampling at 24 properties:

Indoor air
Sub-slab soil gas
Outdoor air

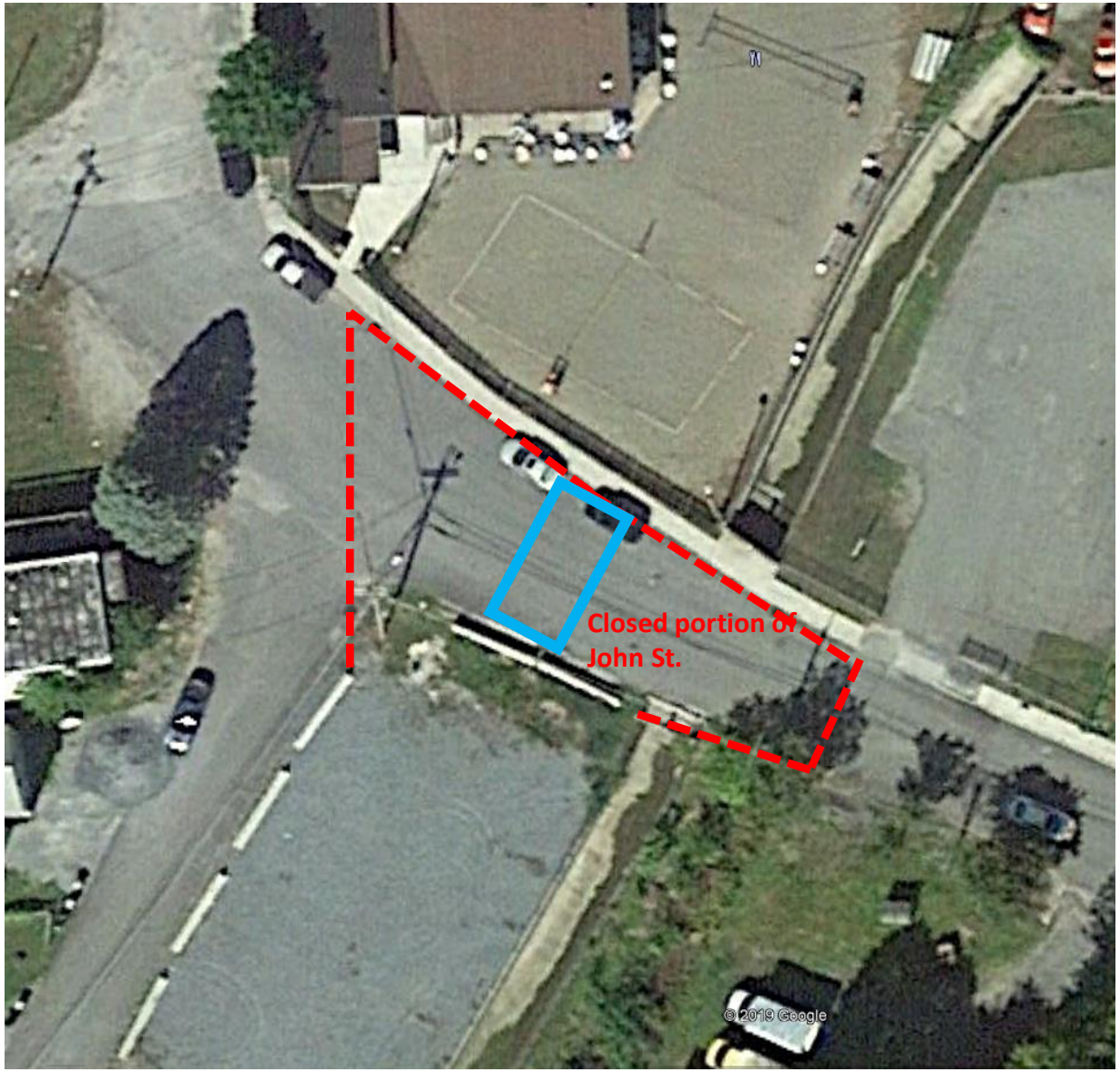
Results:

12 – no mitigation necessary
7 – mitigation complete
2 – mitigation ongoing
3 – follow-up sampling

Mitigation:

Barriers (new basement floors, seal walls / floors)
Active mitigation (sub slab depressurization, if appropriate)

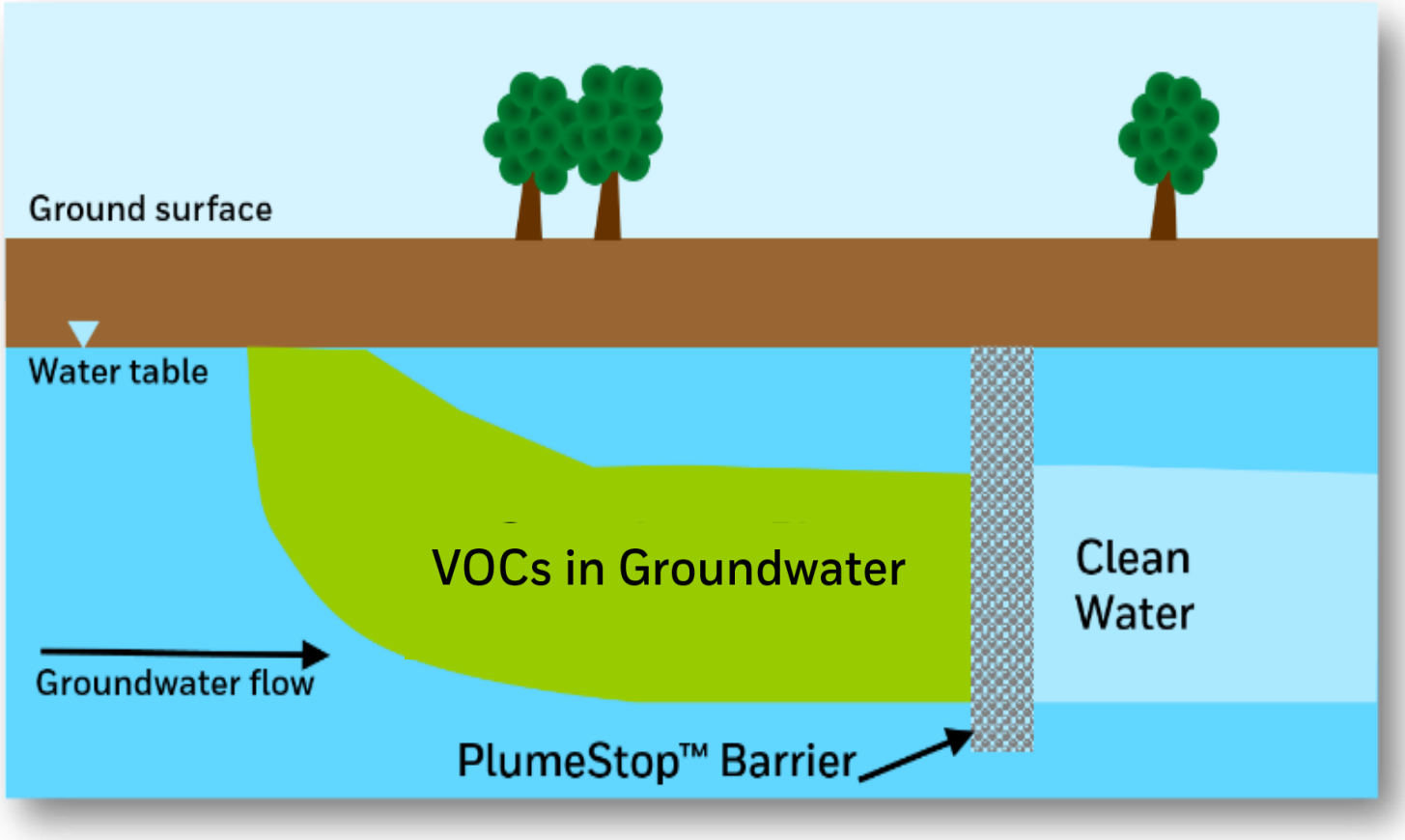
CULVERT INTERIM REMEDIAL MEASURE – MARCH 2020



JOHN STREET REPAVED BY VILLAGE

EFFECTIVE SHALLOW GROUNDWATER INTERIM REMEDY FOR VOCS ACTIVATED CARBON BARRIER: NOVEMBER 2019

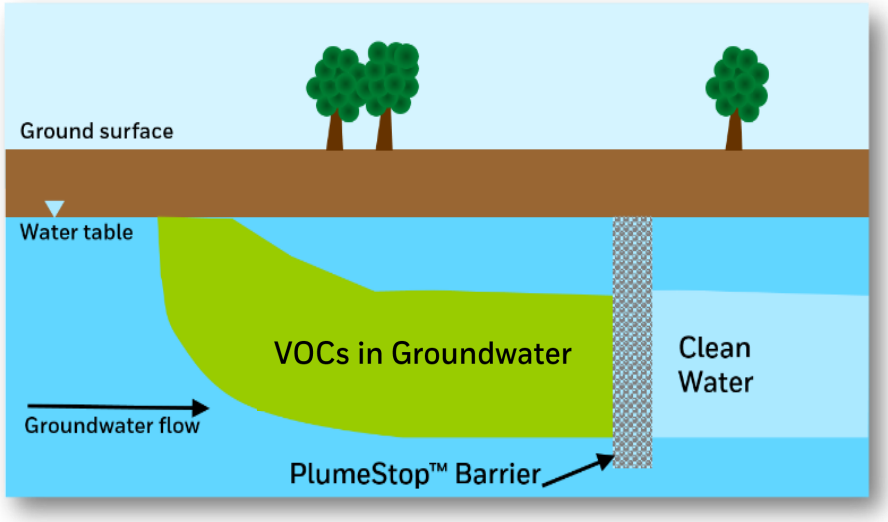
What does an activated carbon barrier do?

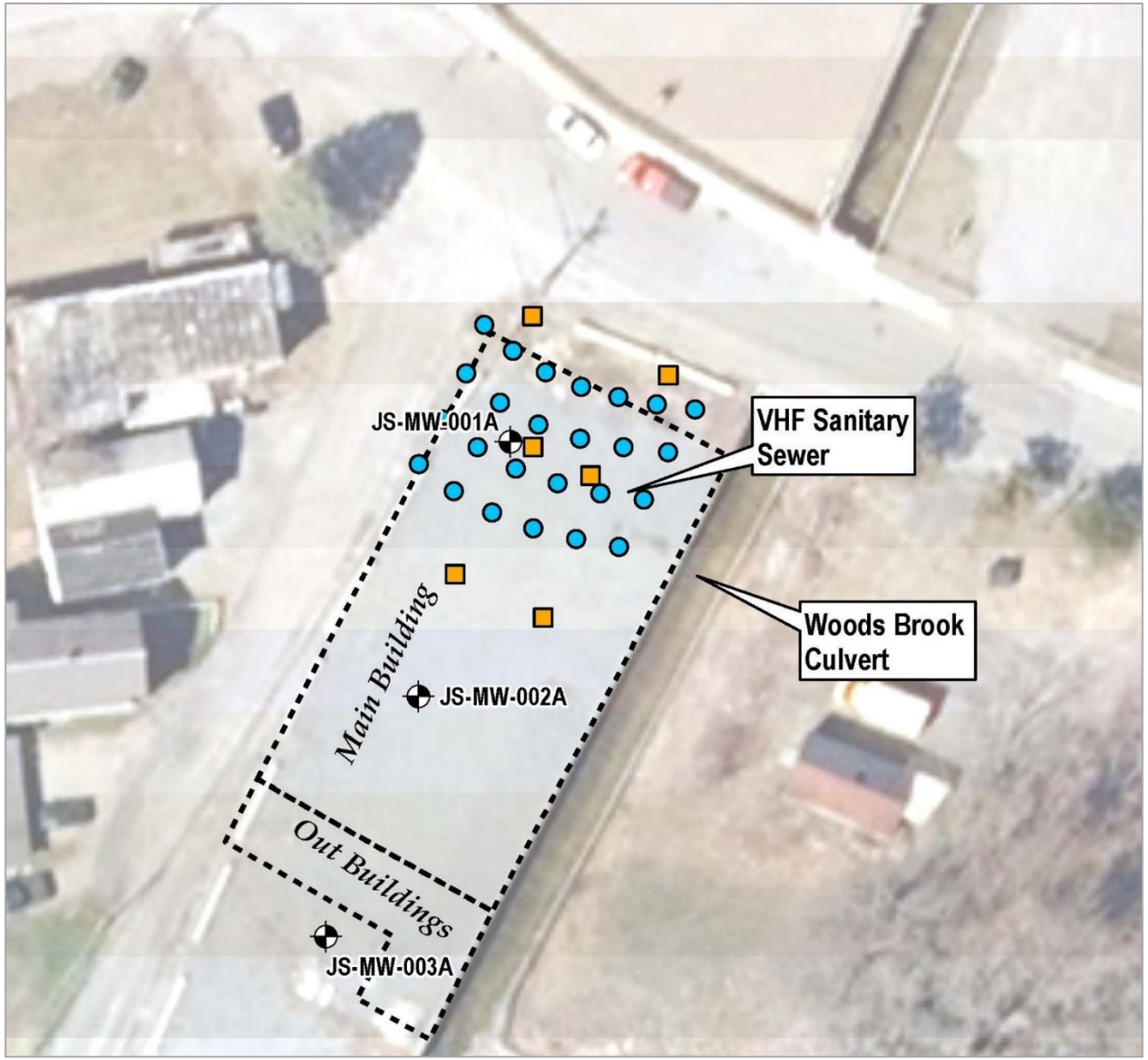


INSTALLATION OF PLUMESTOP BARRIER – NOVEMBER 2019

- **Implementation of PlumeStop**
  - 24 injection locations
  - 10,800 lbs. PlumeStop injected

- **Effectiveness Verification**
  - 6 new wells near barrier
  - 6 existing shallow wells
  - PlumeStop works



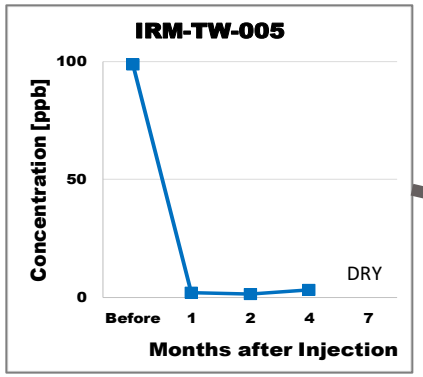


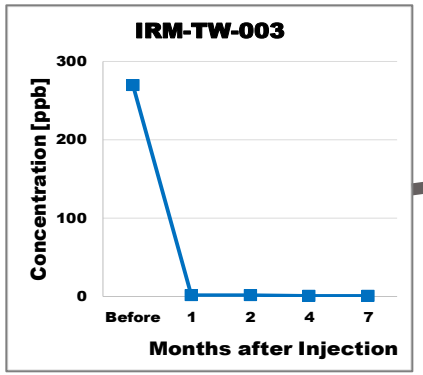
SHALLOW GROUNDWATER IRM RESULTS (TCE) – SIMILAR FOR ALL VOCS

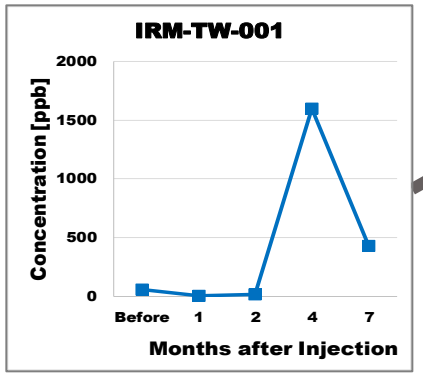
Downgradient of PlumeStop Barrier

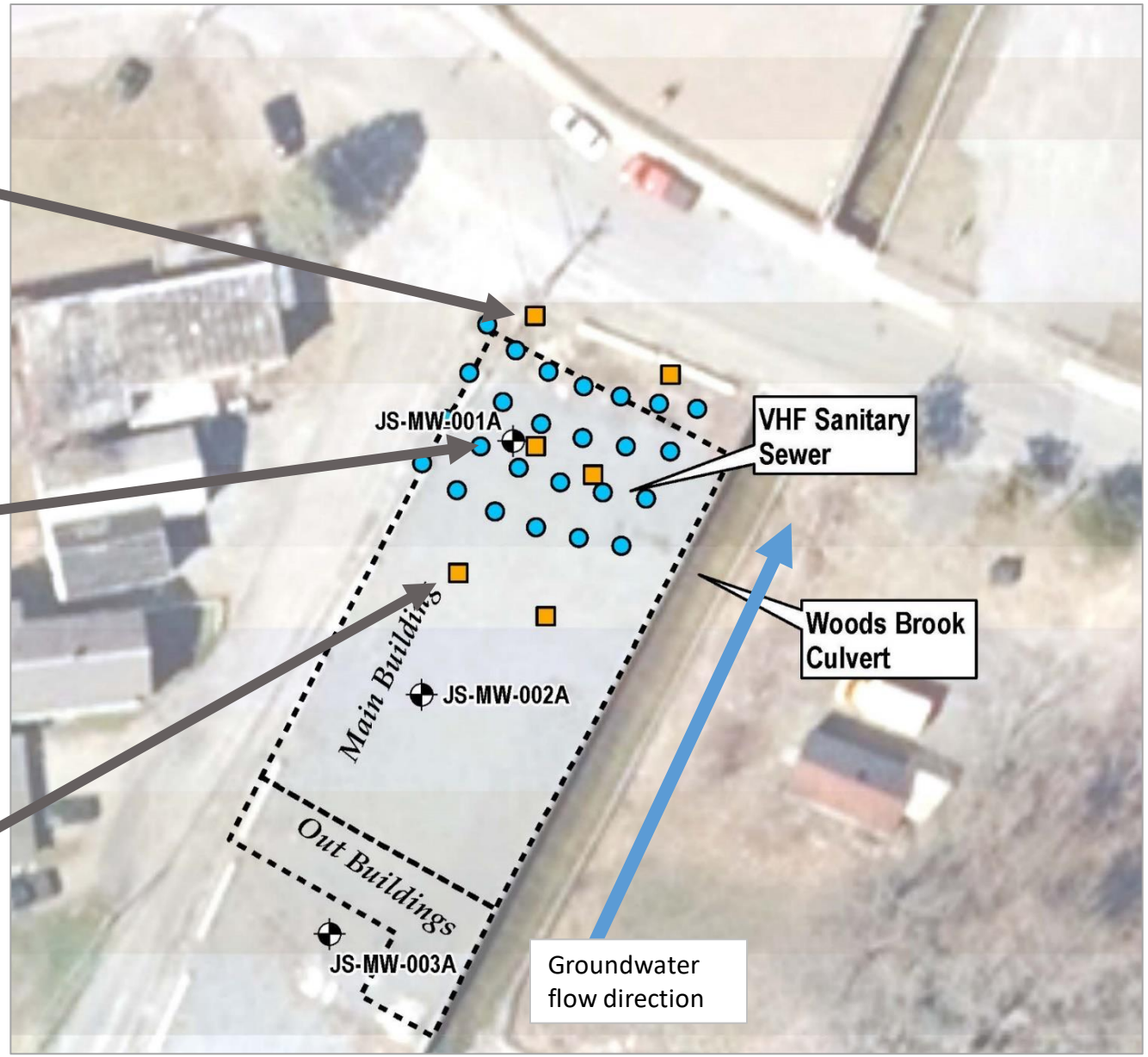
Middle of PlumeStop Barrier

Upgradient of PlumeStop Barrier







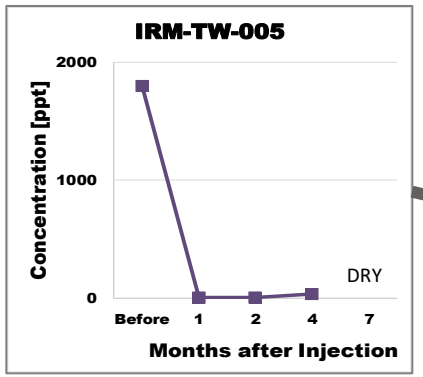


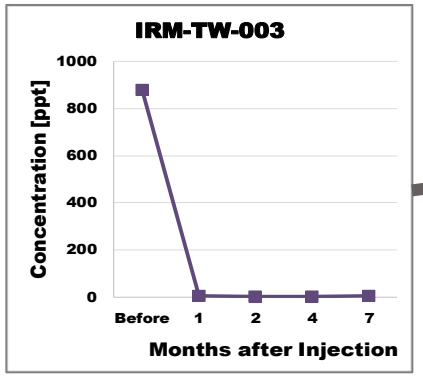
SHALLOW GROUNDWATER IRM RESULTS (PFOA) – SIMILAR FOR ALL PFAS

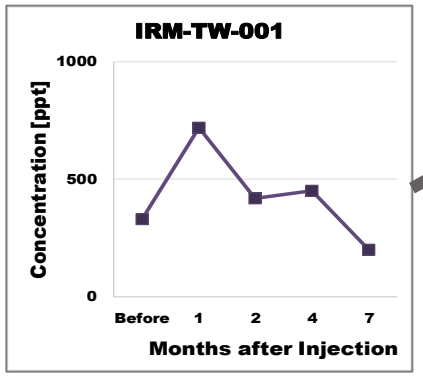
Downgradient of PlumeStop Barrier

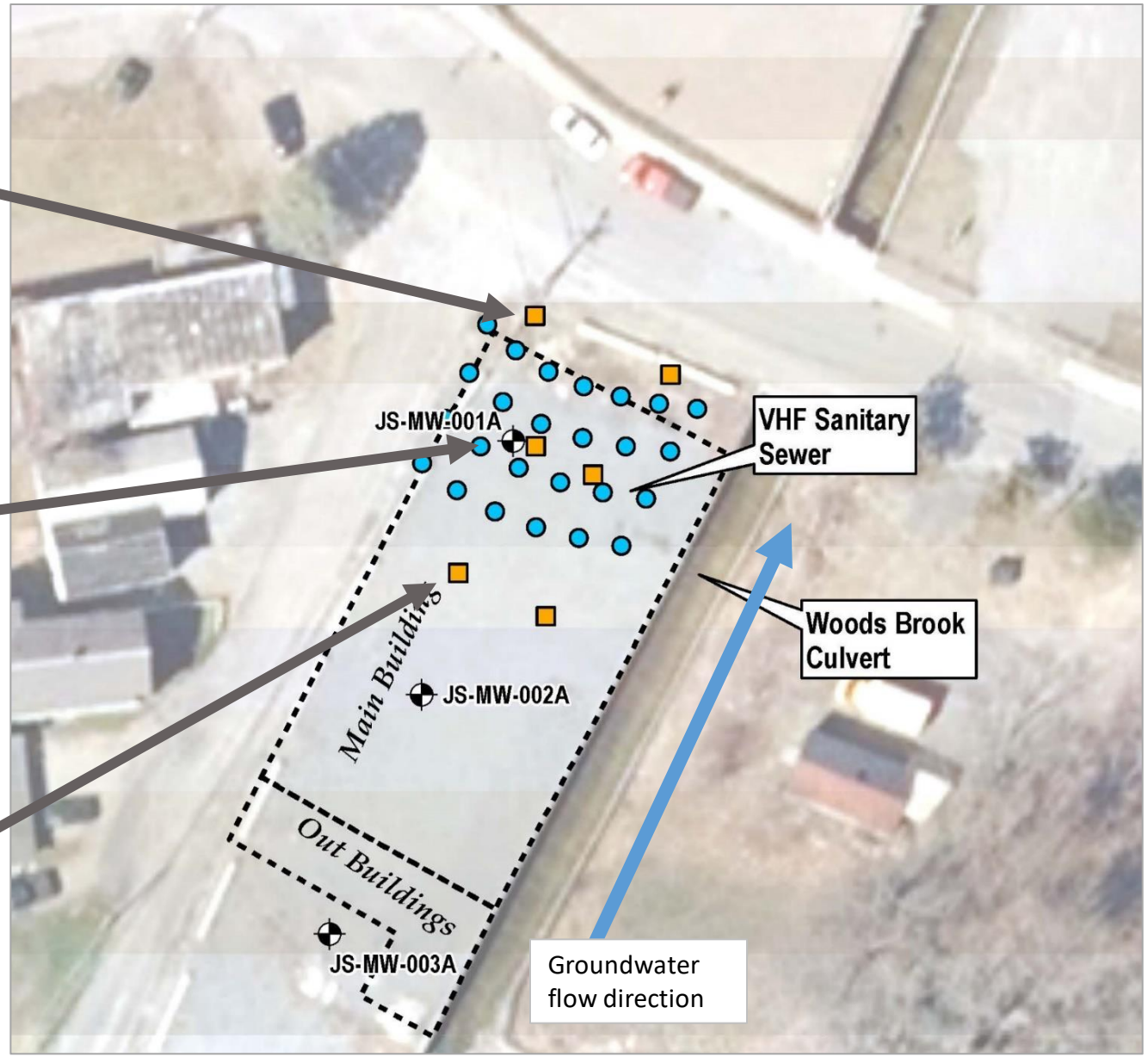
Middle of PlumeStop Barrier

Upgradient of PlumeStop Barrier



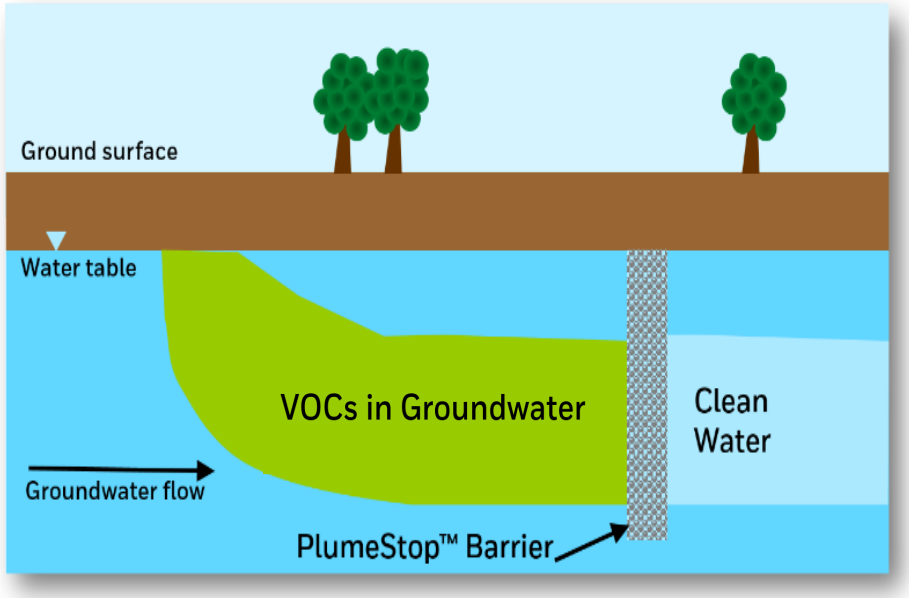


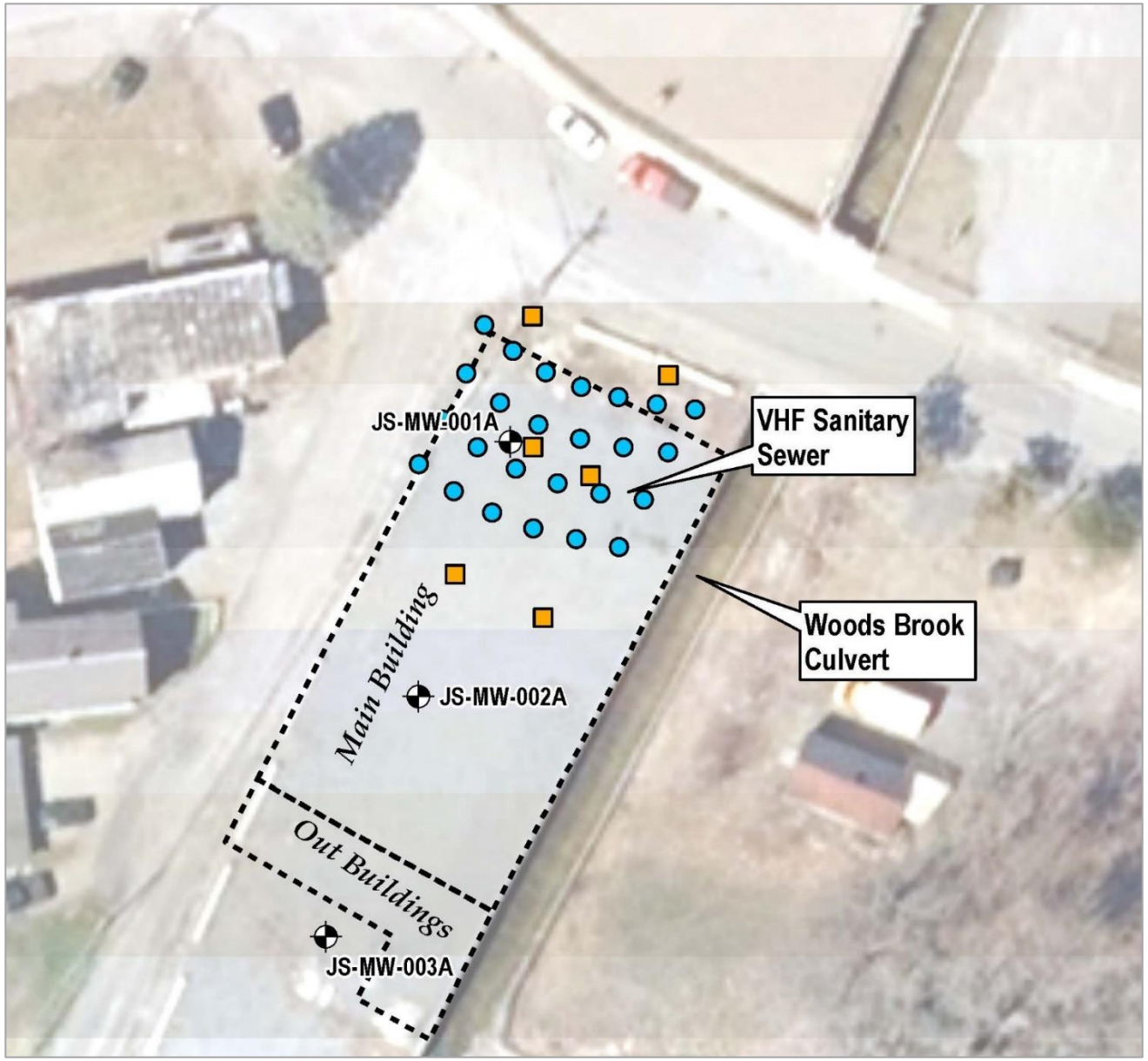




SHALLOW GROUNDWATER IRM PERFORMANCE

- PlumeStop works
- Removes TCE / PFOA >95-99%
- Similar removals for all VOCs / PFAS
- October 2020 next sampling





ONGOING INVESTIGATION: DEEP SOIL AND GROUNDWATER

Purpose: delineate VOCs / PFAS in deep soil and groundwater near John Street

Activities:

- Collect up to 4 soil samples (11 locations)
- Analyze samples for VOCs
- Install monitoring wells at each location
- Sample for VOCs / PFAS
- Define geology and flow conditions with supplemental wells
- Additional sampling in Hoosic River