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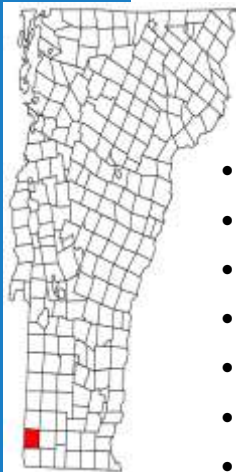


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## JARD Bennington, VT



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## JARD Bennington, VT

- History of Site
- Site Contaminant of Concern
- Site Geology
- Impacts to Groundwater/Surface Water
- Impacts to Wetlands
- Impacts to Residential properties
- Next Steps



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## Brief History of JARD

- Operated from 1969-1989
- Manufactured Capacitors
  - Used PCBs until 1978 and replaced with DEHP
- Wastes generated were: PCBs, VOCs, sVOCs, zinc
- Discharge to dry wells
- Cardboard boxes for storage of leaking capacitors
- Milk truck for transportation of PCBs
- Large ventilation systems
- “Storage” everywhere

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## Brief History of Site Work at JARD

- **1989** first ESA and Bankruptcy of JARD
  - Initial findings in Soil (PPM): DEHP 30,000; Zn 466,000; TCE 4,300; PCB 4,900
- **1992** –EPA Removal:
  - 269-55 gallon drums were removed;
  - 461 small containers and rejected capacitors were removed;
  - 197 tons of PCB soil and debris was removed;
  - top two feet of soils where PCBs were greater than 25ppm were removed;
  - GW results indicate: PCB 150,000PPM and DEHP 600,000PPM



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## Brief History of Site Work at JARD

- **1997** PCBs detected in Bennington WWTP digester sludge and compost bays
- JARD building fire
- **1998** EPA Removals soil results ranged from 120 PPM -5,200 PPM
- **2000** Updated GW investigation, FP present, GW flow parallel the RB, low level VOCs in 1 MW, DEHP 3.2-400,000 ppb, PCB ND-5,200ppb
- **2005** –Brownfields Assessment:
  - Talked with TSCA;
  - PCBs in Building 27-1,400 PPM;
  - widespread impact to sewer system;
  - PCBs in soil ND -8,900PPM;
  - GW results:
    - DEHP 3,400PPB
    - PCB 13,000P PB

**AND**





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## Brief History of Site Work at JARD

- 2005 - EPA removals conducted demolition and disposal of building and removal and disposal of 3,679 tons of impacted soil and concrete from the site. Earthen cap engineered.
- VTDEC begins O&M of site cap and monitoring of GW.
- VTDEC approached by a developer



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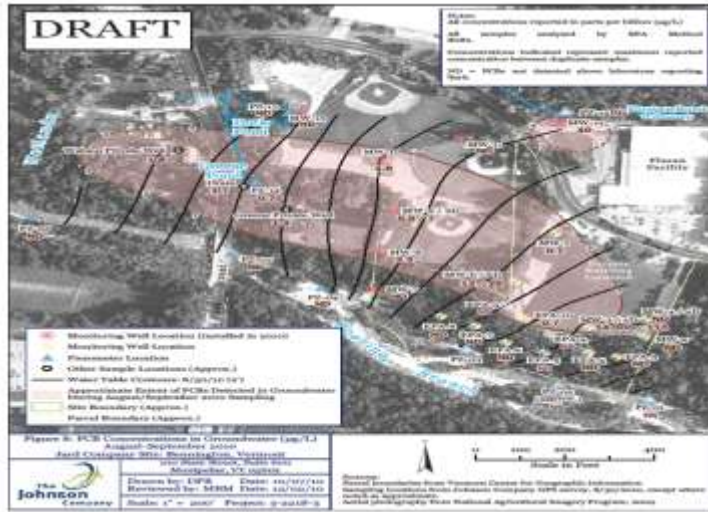
## Data Gap Analysis

- Impact to Groundwater
  - Contaminant Trends
- Potential for Impact to Surface Water



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2010 Groundwater Results



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JARD Site  
Geology



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0-5'

JARD Site  
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5-10'

JARD Site  
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10-15'  
JARD Site  
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15-20'  
JARD Site  
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20-25'

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30-35'

JARD Site  
Geology





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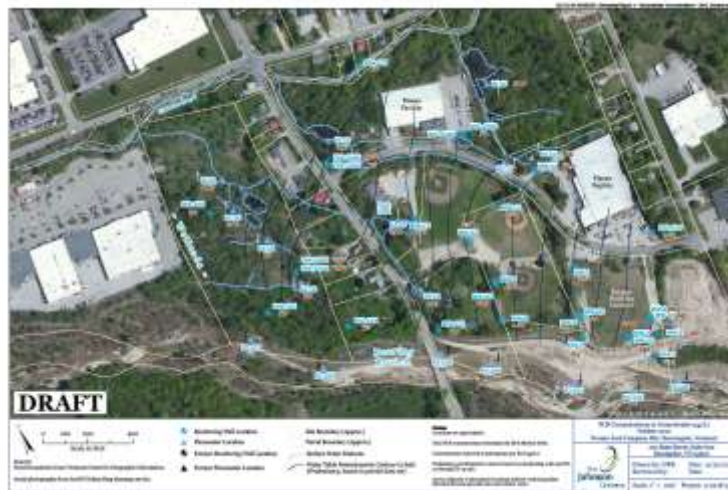
### JARD Next Steps

- Extent of Contaminated Groundwater Plume
- Impact to Surface Water and Groundwater Surface Water Connection
- Impact to Wetlands
- Impact to Residential Locations
  - Indoor air
  - Yards



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### JARD Next Steps -Groundwater



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# JARD Next Steps - Wetland



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# Residential Sampling

