

Former GE Hudson Falls Facility

Baker's
Falls

Allen Mill

Powerhouse

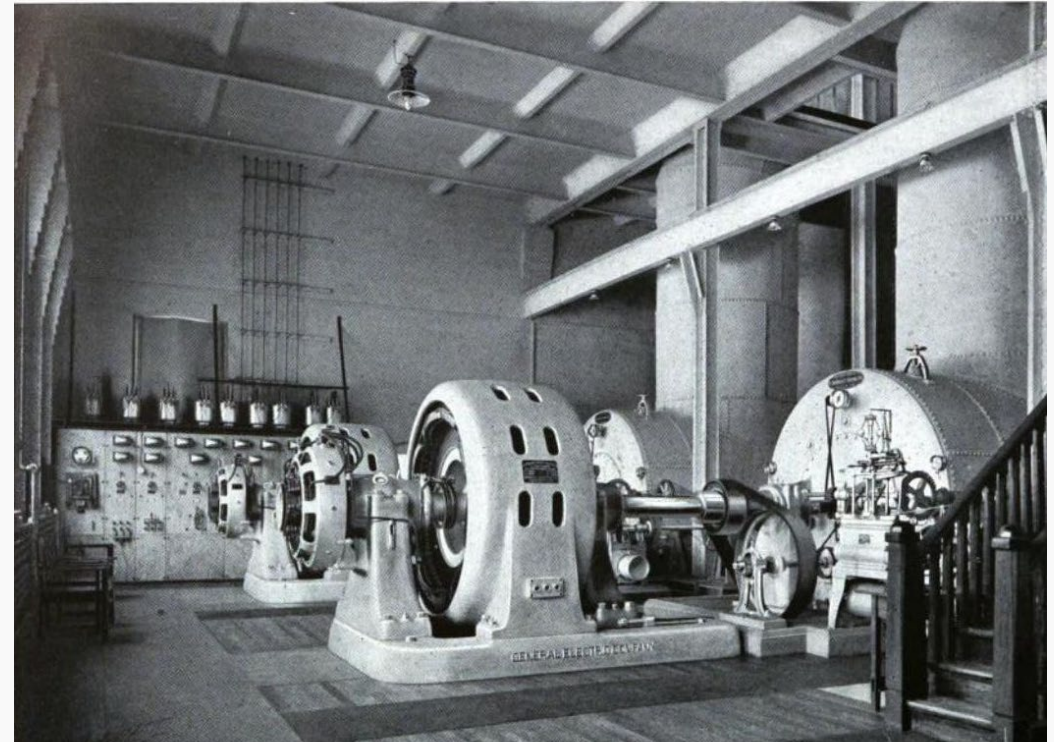
Hudson River
(low flow conditions)



Powerhouse & Allen Mill - Background



- The buildings are located adjacent to the GE Hudson Falls Plant Site
 - GE plants at Hudson Falls and Fort Edward have been removed
 - Extensive remedial systems are located at each site as required by NYSDEC (update to follow by NYSDEC)
 - GE's contamination remains under the Powerhouse and Allen Mill
- EPA reached legal agreement with National Grid and GE in July 2022 to oversee deconstruction of the Powerhouse and Allen Mill
 - EPA involvement due to potential for release to the river (i.e., protection of the Hudson River remedy)
- Close coordination NYSDEC/NYSDOH
- Project challenges
 - Deteriorated building conditions
 - Project schedule (weather and river flows)
 - Limited access and work area
 - Working from heights and on/near water
 - Environmental conditions



Historic photograph showing the interior of the Powerhouse Building (formerly the Union Bag & Paper Company's plant), which contained three pairs of turbines developing 1200 horsepower

Powerhouse Deconstruction - Overview



- Powerhouse deconstruction began in October 2022 and is near completion
- Extensive environmental monitoring and protective measures
 - River water, groundwater and air monitoring
 - River turbidity curtain and absorbant boom
- Environmental monitoring data collected to date
 - Indicates that a release to the river was successfully prevented
 - Downstream river water data consistent with baseline
 - No significant changes observed in groundwater/LNAPL



This photo shows the Powerhouse building being carefully dismantled using hand tools to limit disturbances to bedrock and minimize fallen debris into the river



November 2022

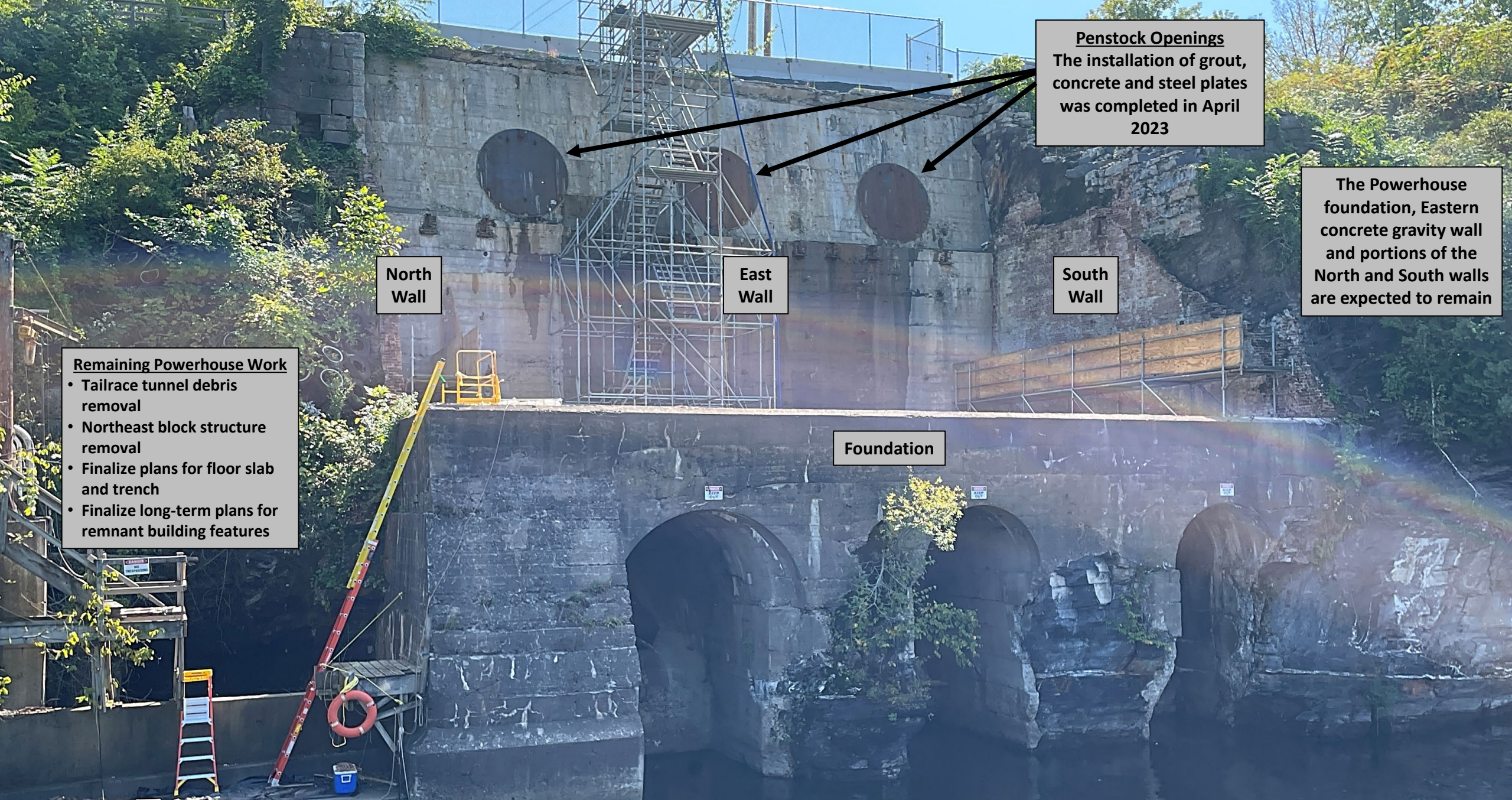


January 2023



March 2023

Powerhouse Deconstruction Progress



Penstock Openings
The installation of grout, concrete and steel plates was completed in April 2023

The Powerhouse foundation, Eastern concrete gravity wall and portions of the North and South walls are expected to remain

North Wall

East Wall

South Wall

- Remaining Powerhouse Work**
- Tailrace tunnel debris removal
 - Northeast block structure removal
 - Finalize plans for floor slab and trench
 - Finalize long-term plans for remnant building features

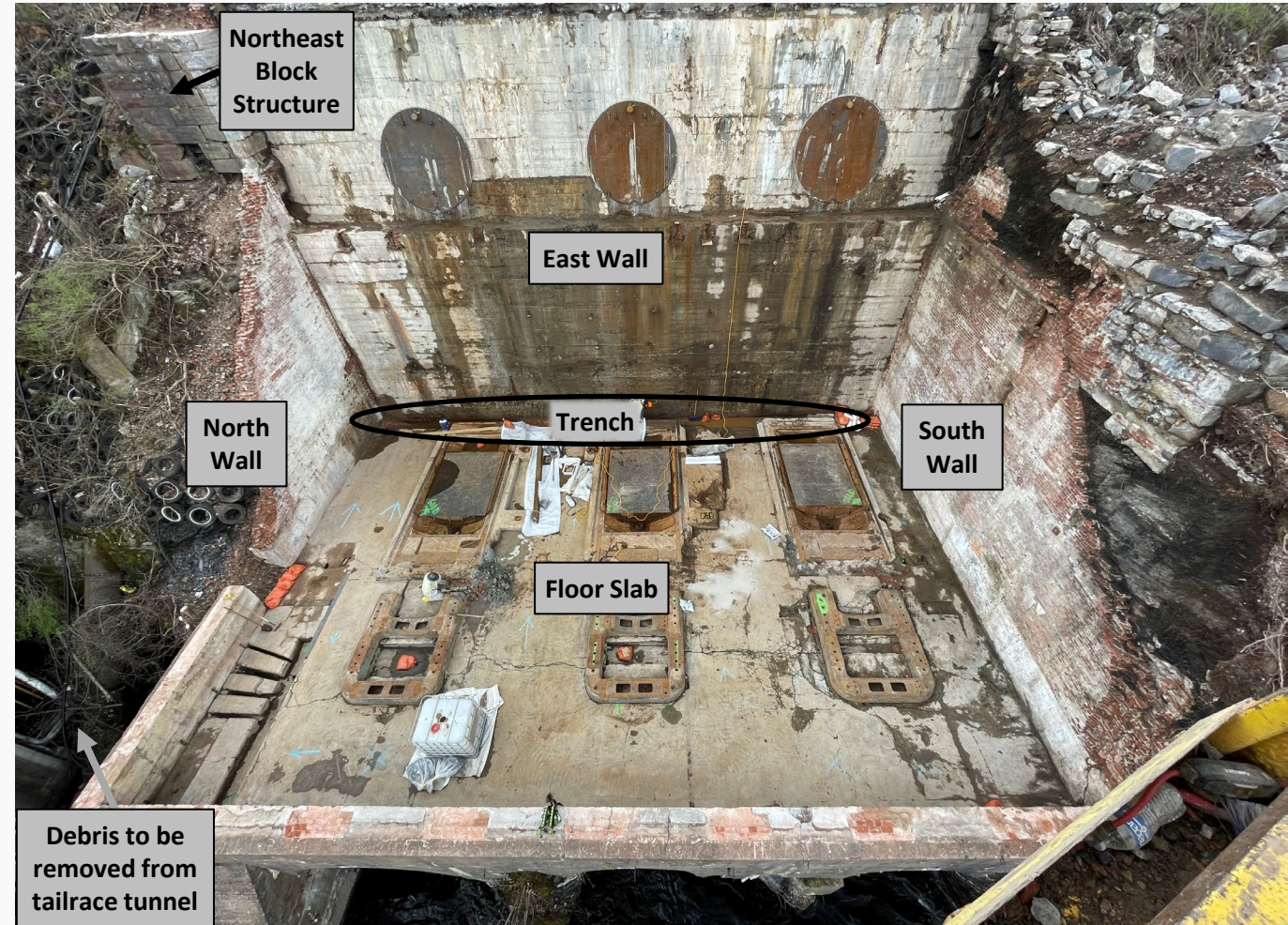
Foundation

Photograph of Remaining Structures Following Deconstruction (September 2023)

Remaining Powerhouse Work



- Remove debris from tailrace tunnel (Oct 2023)
- Remove northeast block structure (Nov 2023)
- Floor slab drainage and trench approach – plans forthcoming
 - Comprehensive design needed
 - Floor slab drainage and trench
 - Two new wells installed behind East Wall
 - Evaluating pipes associated with floor and wall
 - Long-term water management likely needed depending on design approach
- Finalize plans for remaining building features (e.g., north and south walls)





The northeast block structure is scheduled to be removed in November 2023



Brick and mortar were removed from the trench in September 2023. A long-term design approach is needed.



Inside view of a penstock opening

Allen Mill Deconstruction Status



- Building Condition Assessment (August 2023)
 - Access obtained to portions of building (September 2023)
 - Some areas remain restricted due to deteriorated conditions
 - Work is underway to provide access to tailrace tunnel and lower tunnel
- Extensive pre-design investigation work needed before deconstruction can proceed
 - Access restrictions have limited the ability to conduct environmental work in and around the building
 - Further investigation
 - River plunge pool baseline conditions
 - Shallow groundwater near edge of river
 - Air conditions – baseline evaluations



Allen Mill Deconstruction Status



Schedule and Next Steps

- Deconstruction of the Allen Mill
 - Scheduled for 2025
 - Additional time needed for pre-design investigations, design and contractor selection



Interior of Allen Mill