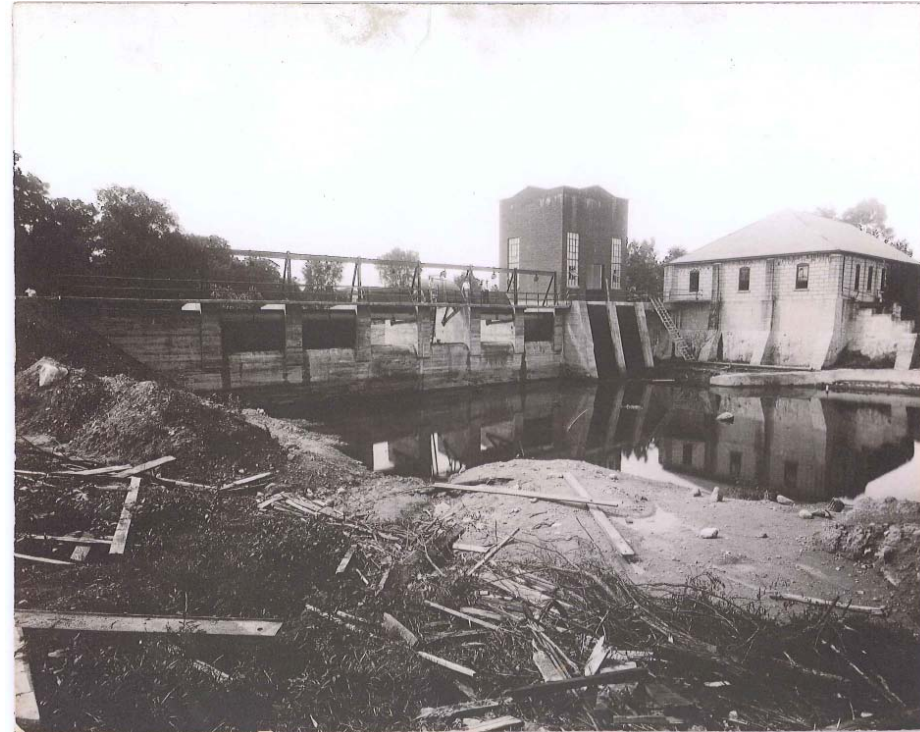




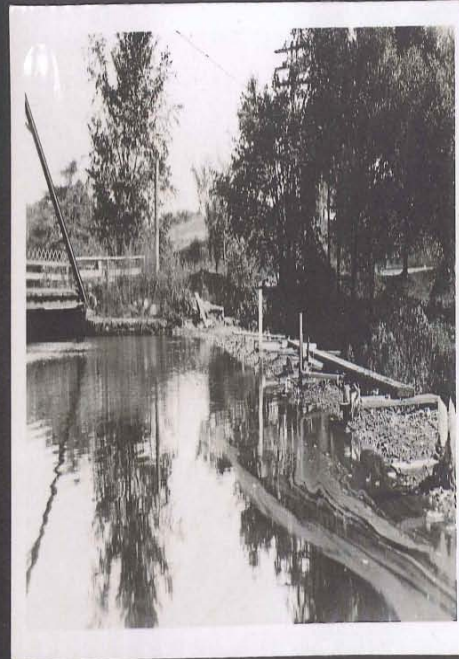
Looking downstream (south) at power house and dam. Existing



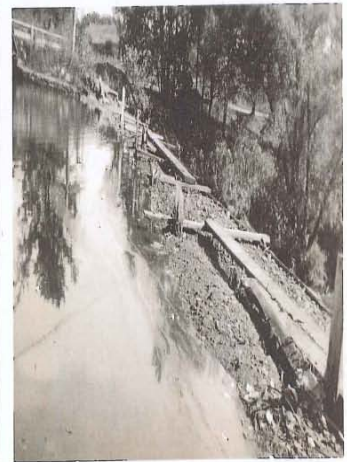
Looking downstream (south) at new dam, new powerhouse (left) and old powerhouse (right). August 1928



Top of dam and former impoundment area. Existing



CITY OF NILES  
DOWAGIAC CREEK POWER HOUSE



POND & TOP OF DAM

Top of dam and impoundment. Before 1928

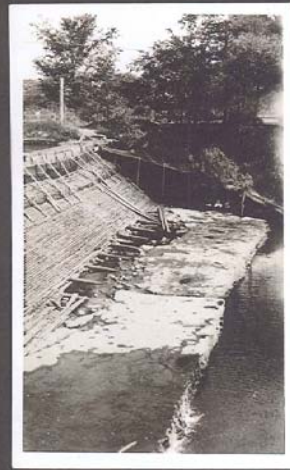




Looking upstream at dam and powerhouse. Existing



Looking east at dam, apron and fish ladder.



DAM, APRON & FISH LADDER

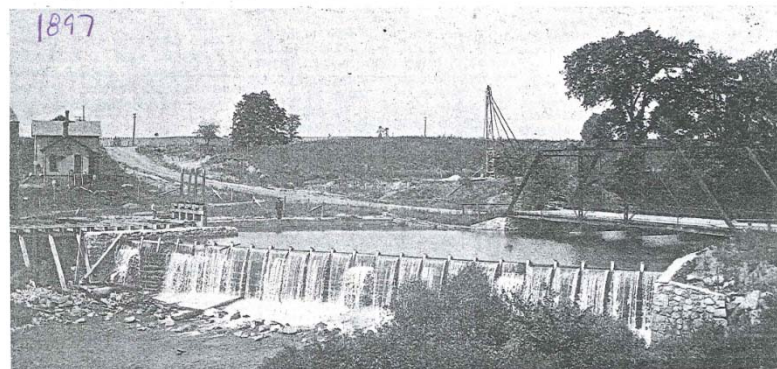


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Dam located upstream of existing dam. Before 1928



Looking west at dam and powerhouse. Date unknown (after 1928)



Looking west at dam, manager's house and Pucker Street bridge. 1897





Abandoned spillway with powerhouse on left. Existing  
This was the location of the mill race in 1828 and the powerhouse with turbine from at least 1897 until 1928.



Looking downstream at east and west concrete walls.  
Existing



Looking upstream at east concrete wall and spillway. Existing

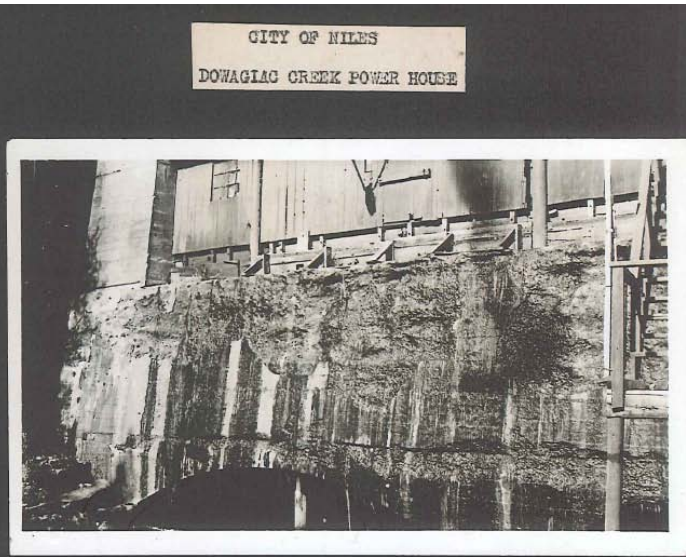




Looking west, old foundation of the brick structure pictured below.  
Existing



Looking upstream at abandoned spillway/old foundation of 1897  
powerhouse (old powerhouse foundation pictured below). Existing



CITY OF NILES  
DOWAGIAC CREEK POWER HOUSE

NILES CITY POWER PLANT (1895,1928)  
Pucker St. at Dowagiac Creek  
Niles

Cassopolis  
16.562097.4634080  
Berrien

On August 14, 1895 the newly-formed Niles Board of Public Works took over the Niles Electric Company hydroelectric plant located on Dowagiac Creek north of Niles. The dam and generating station located at this site, powered by horizontal water wheels, supplied Niles with electricity until they were replaced in 1928 by the present dam and powerhouse. The only part of the 1895 installation still extant are portions of the exit raceways leading from the old powerhouse. The 1928 powerhouse, 10 feet by 15 feet, is a brick structure resting on a concrete foundation. The adjoining spillway dam is 60 feet long and is equipped with six radial (tainter) gates.

[Stevens, Howard G., Niles Board of Public Works, Seventy-Fifth Anniversary Report (Niles, 1970)]

Foundations  
Before 1928

FOUNDATIONS





Old and new powerhouse when existing dam was being built. August 1928



Powerhouse and dam with Pucker Street bridge in background. Date unknown, but after 1928



Powerhouse with Manager's house and old brick structure. Date unknown, but after 1928





Pucker Street Bridge. Existing



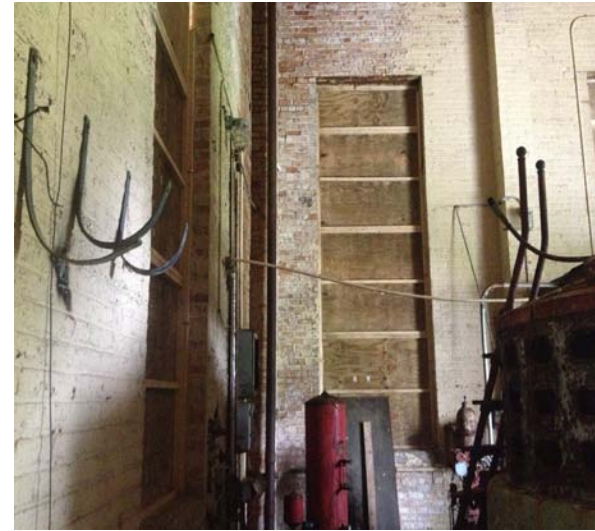
Old dam and Pucker Street Bridge. August 1928



Old dam and Pucker Street Bridge. 1924




# Inside Powerhouse. Existing



Inside powerhouse, bathroom and office showing significant damage. Existing



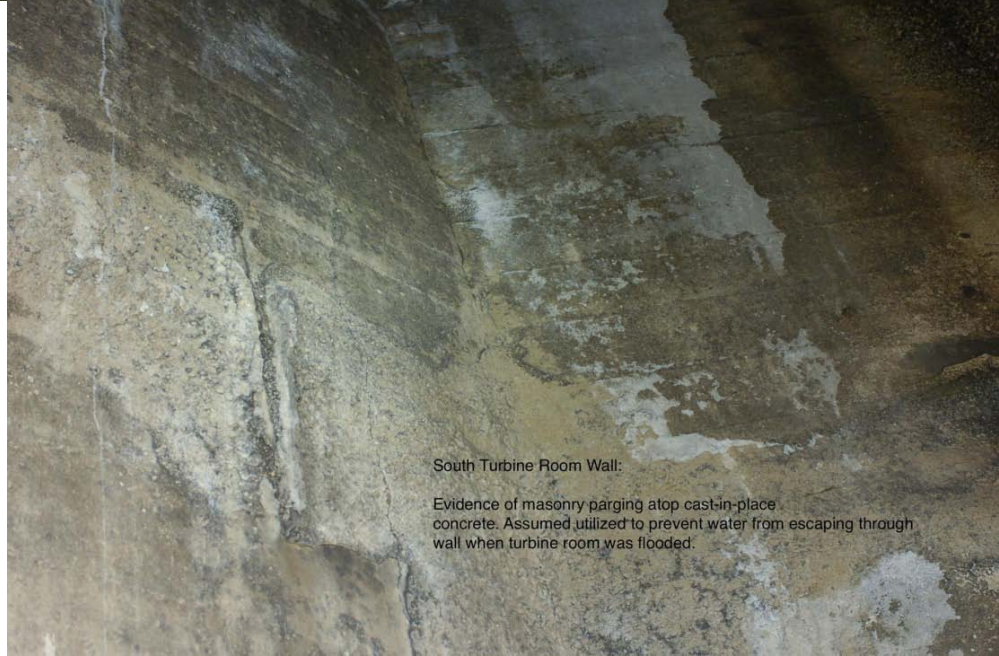


Ceiling of Turbine room, floor of generator room above. Shaft from Generator to Turbine.

No pre-present dam structure(s) found.

## Inside Lower Powerhouse. Existing

The lower powerhouse was inspected by Jeff Dunlap, a registered building inspector. A confined space entry was needed to take these photographs. No evidence of a previous dam structure was found during the investigation.



South Turbine Room Wall:

Evidence of masonry parging atop cast-in-place concrete. Assumed utilized to prevent water from escaping through wall when turbine room was flooded.





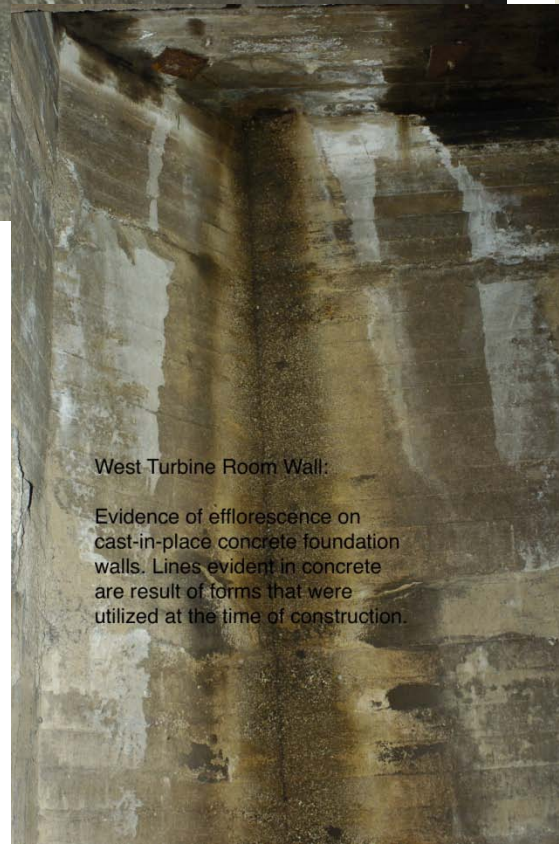
West wall: Parging similar to South wall and assumed installed to keep water confined within turbine room.



West wall at Penstock door/gate.

Seepage through door is evident. No pre-current dam structure found.

## Inside Lower Powerhouse. Existing



West Turbine Room Wall:

Evidence of efflorescence on cast-in-place concrete foundation walls. Lines evident in concrete are result of forms that were utilized at the time of construction.