

Loud Dam



Loud Dam



River Hydro Asset Key Terms

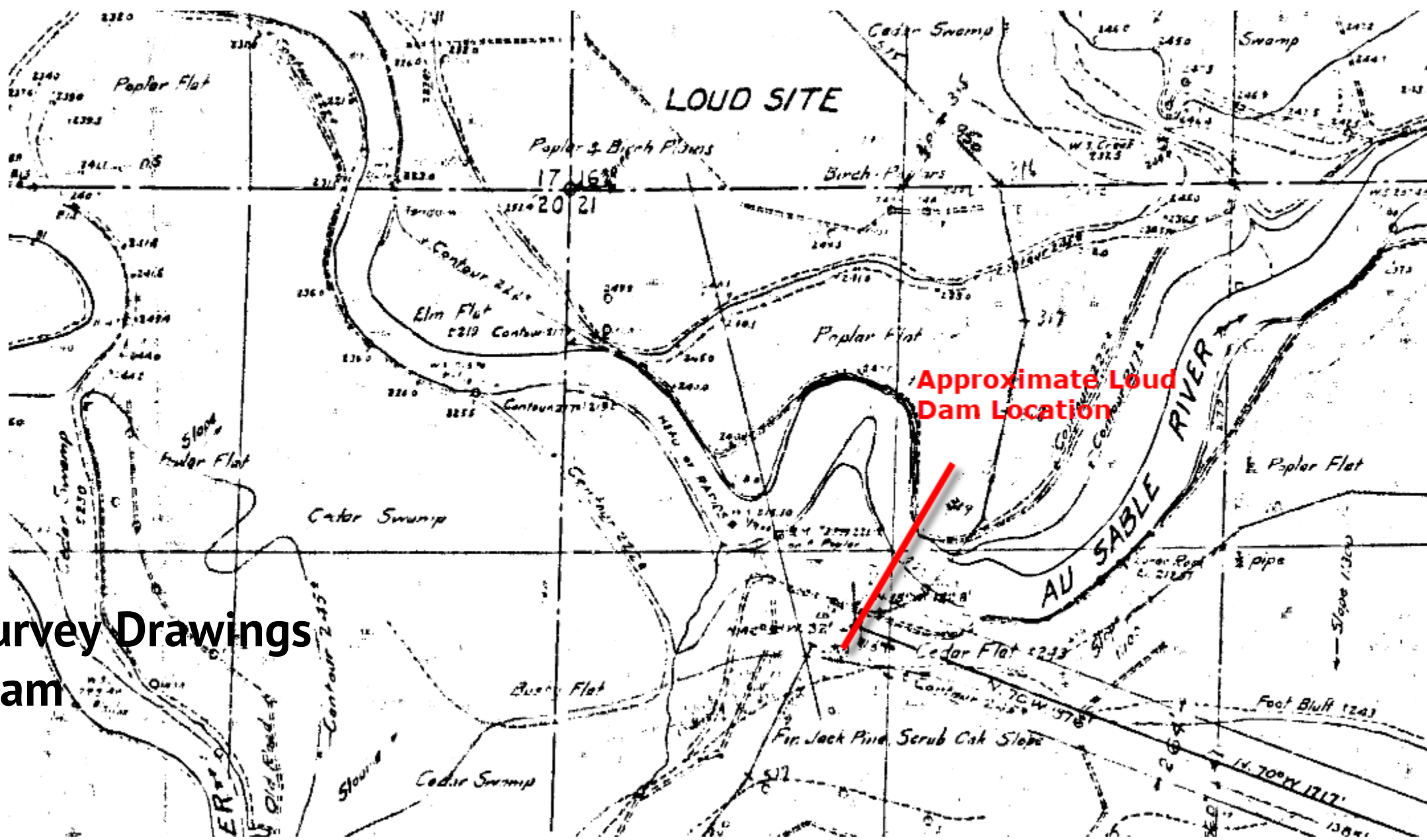
Definitions/purpose of the major components and aspects critical of safe, compliant, and reliable operations:

- **Dam:** The entire barrier to hold back the water (reservoir) typically consists of embankments, spillways, and powerhouse
- **Spillway:** Primary location for water flow when not used for generation
- **Powerhouse:** Location of generation units
- **Embankment:** Earthen barrier to hold back the reservoir, which contains a hydraulic barrier (core wall)



Loud Dam Structures





Original Survey Drawings for Loud Dam

Loud Hydro

- With a capacity of 4,000 kilowatts, construction was completed in 1913.
- Loud worked with William Foote and others to build the Au Sable River hydros.
- Loud purchased most of the cut over Au Sable River lands between 1900 and 1906.



General Information: Loud Dam

FERC License Expiration Date: June 30, 2034

Dam Height (ft.): 40

Length of Dam (ft.): 2,180

Drainage Area (sq. miles): 1,602

Impoundment Area (acres): 790

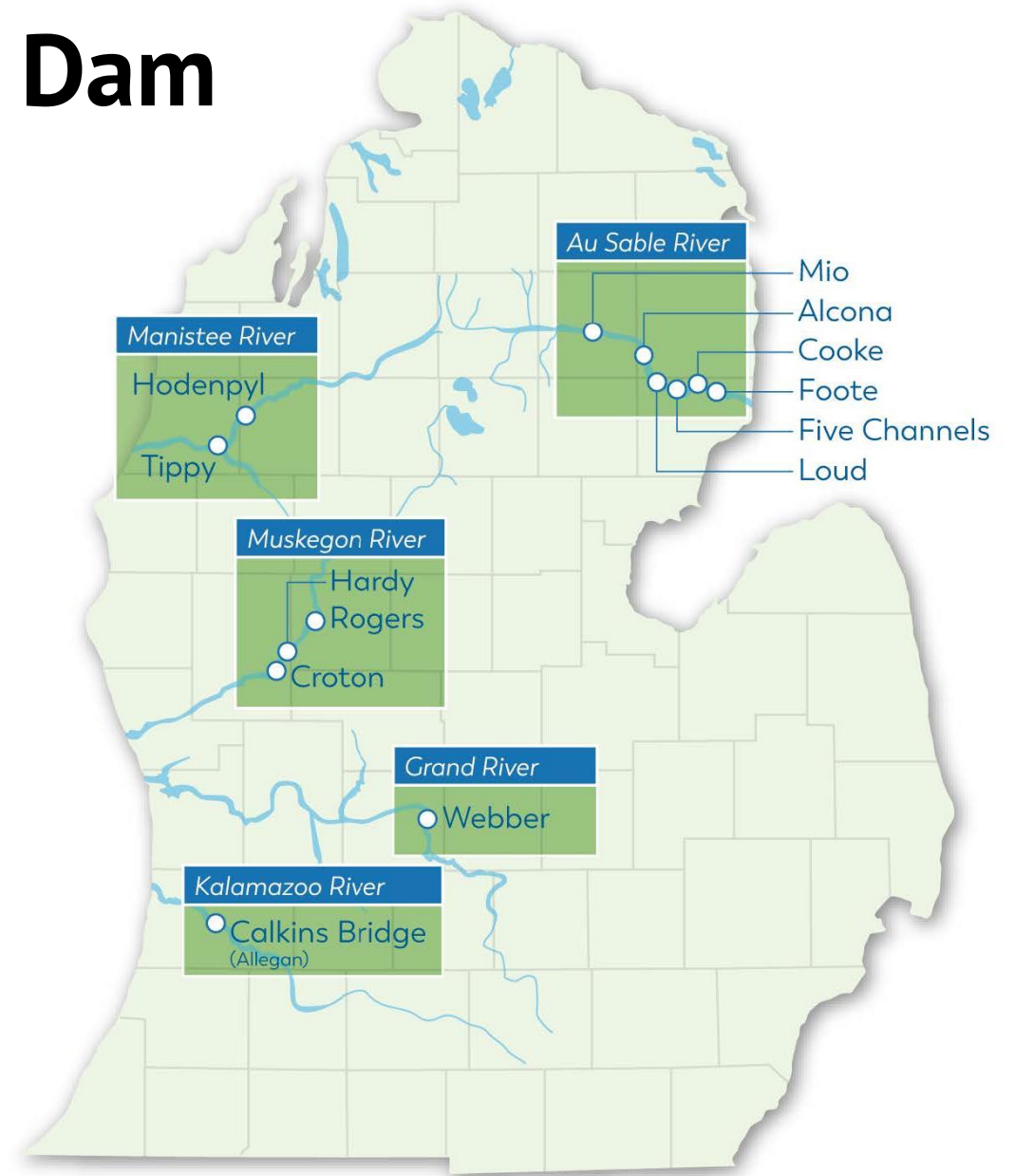
Age (years): 109

FERC Hazard Classification: High*

Approximate Population at Risk: 474

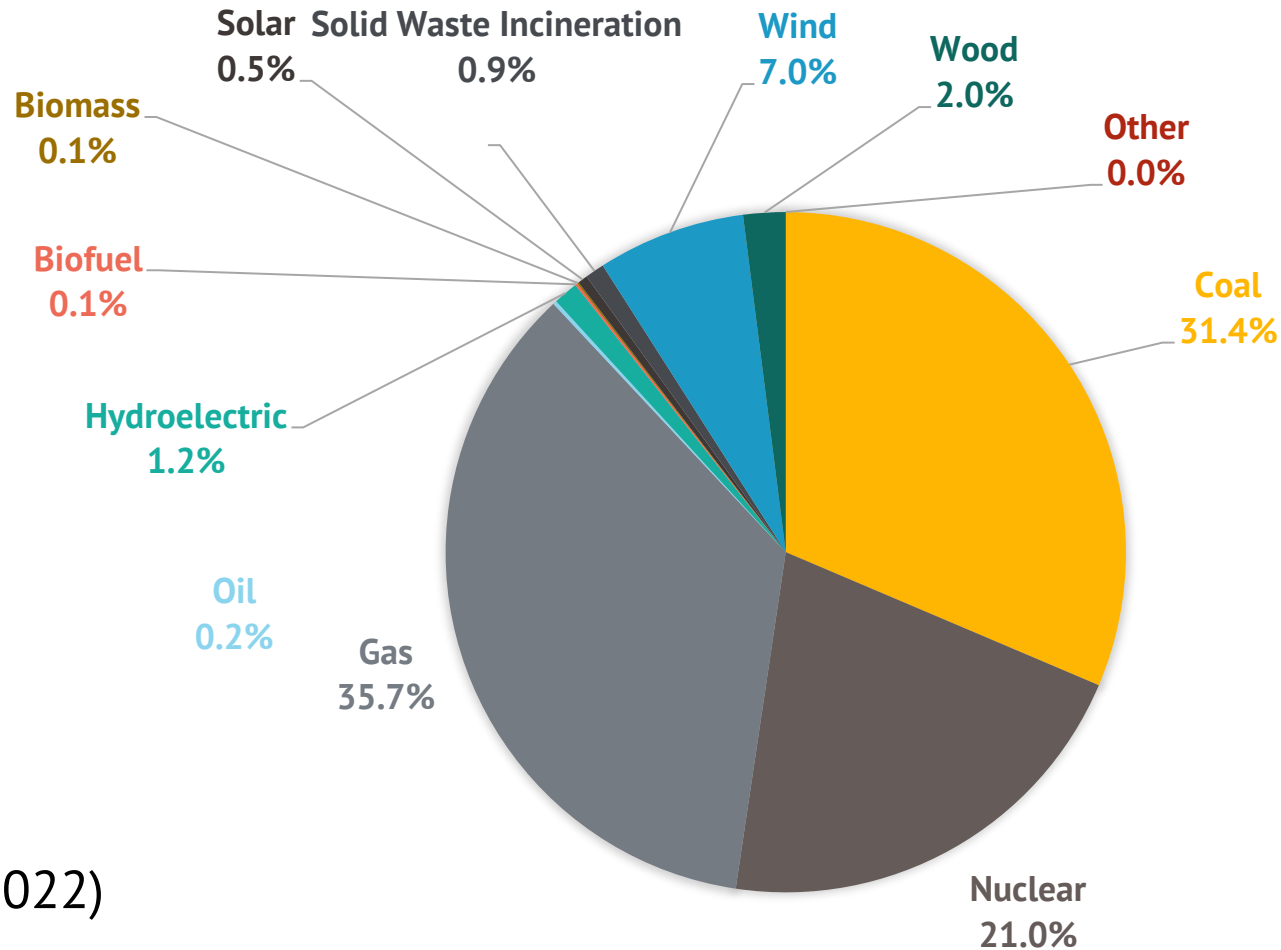
Approximate Recreation Use:

- 9,931 visitors annually



**FERC assigns “high” to structures where failure or misoperation will probably result in loss of human life.*

Percentage of Fuel Type Used to Produce Consumers Energy's Total Electricity



(Apr 2021-Mar 2022)