Dams: Issues and Solutions

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Overview

- Classification of dams
- Failure Modes
- Ways to prevent failures
Classification of Dams

- Non-Rigid vs Rigid Dams
- Shape of the Dam
Failure Mode: Overtopping

- 34% of dam failures in U.S.
- Case: Edenville Dam
Failure Mode: Seismic Activity

- A trigger for different ways a dam can fail
- Case: Fujinuma Dam
Failure Mode: Foundation Defects

- Many reasons for defects
- 30% of dam failures in U.S.
- Case: Malpassest Dam
Possible Solutions:
Thank you!
Works Cited


