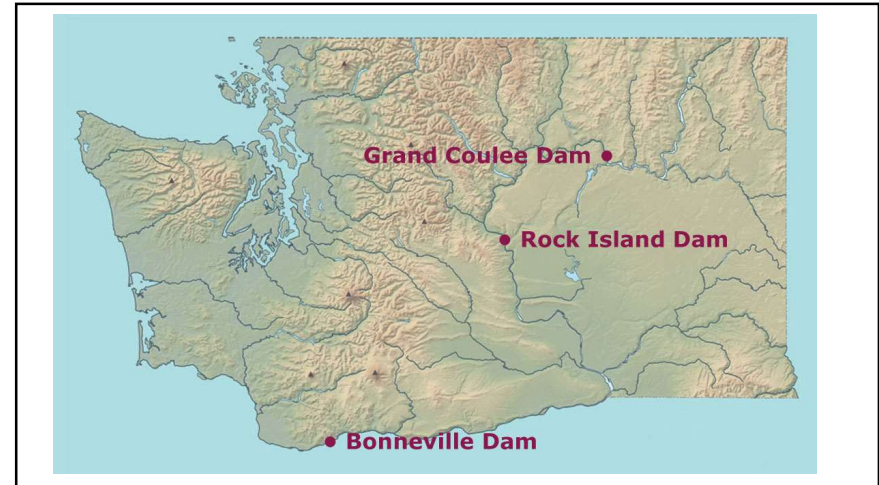


3 Dams Built During the Depression:

- Rock Island Dam.
- Bonneville Dam.
- Grand Coulee Dam.

2



3

Main Purposes of Dams:

- Irrigation (providing water for farming).
- Hydroelectric power (electricity)
- Flood control.

4

How big is the Grand Coulee Dam?

"Grand Coulee Dam is one of the largest concrete structures in the world, containing almost 12 million cubic yards of concrete. It towers 550 feet above bedrock (as high as the Washington Monument) and is 500 feet wide at the base. There is enough concrete in the dam to build two standard six-foot wide sidewalks around the world at the equator."

5

Grand Coulee Electricity production:

- ▶ Capacity: 6,809 Megawatts of electricity.
- ▶ The largest power station in the US.
- ▶ Sends power to 11 states.

6

Grand Coulee Dam Irrigation:

“Water supplied by Grand Coulee Dam irrigates more than 600,000 acres of rich farmland in the Columbia Basin annually.”

7



8



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Statewide Irrigation

- 1.8 million acres (2,800 square miles) irrigated.
- Average yearly rainfall for Everett: 37"
- Average yearly rainfall for Spokane: 17"
- Average yearly rainfall for Yakima: 8"
- Apple orchards need about 42" of water per year.

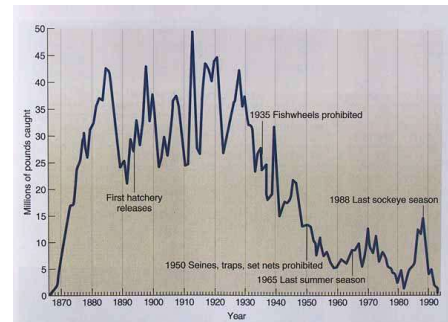
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Negative Consequences of Dams:

- Displaced thousands of homes from small towns. Displaced Indians from reservation land.
- Decreased salmon runs.
- Negative impact on Indian culture, destruction of sacred sites and burial grounds.

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Negative Consequences of Dams:



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Industries Served by Dams

Aluminum

- Aluminum requires a LOT of electricity to produce.
- Cheap electricity from dams encouraged aluminum production in Washington.



13



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Industries Served by Dams

Aluminum

- Airplanes are mostly made from aluminum.
- Aluminum production here fed the aircraft industry in Washington (Boeing).

15

Industries Served by Dams

Plutonium

- Plutonium requires a massive amount of electricity to produce.
- Plentiful electricity from dams encouraged plutonium production in Washington.

16

Industries Served by Dams

Plutonium



- Plutonium is used for making nuclear weapons.

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