

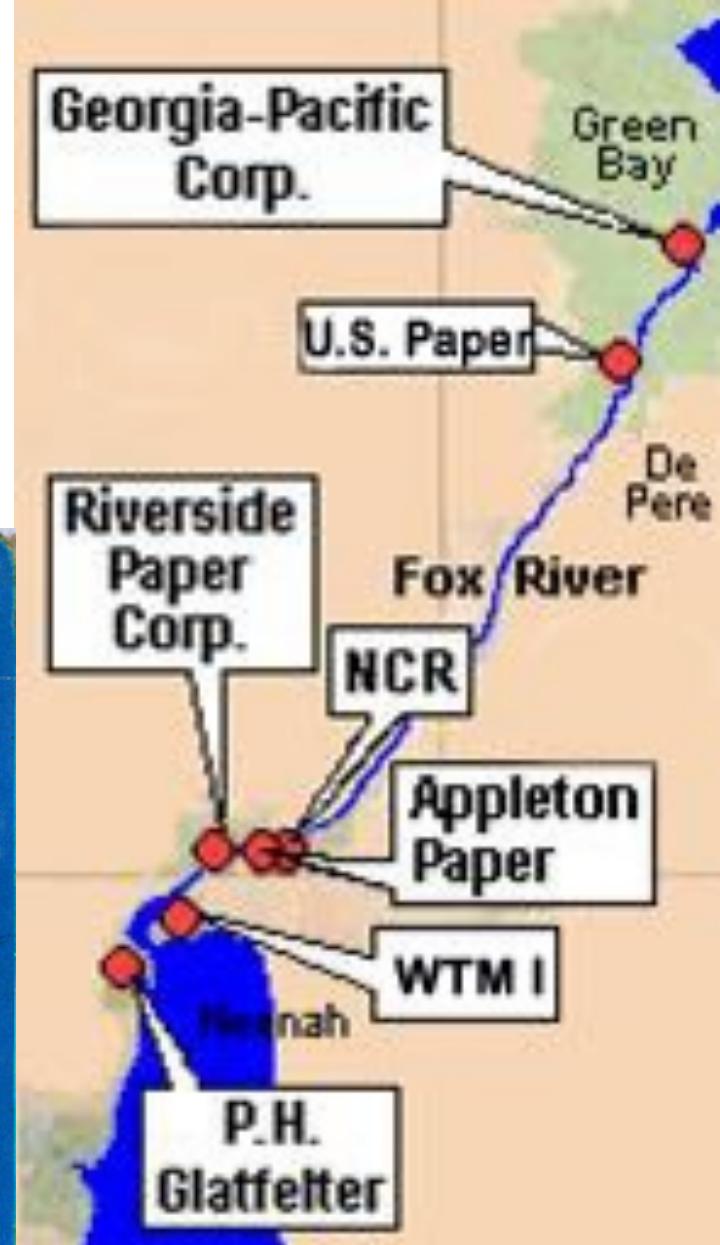
Fox River PCB Cleanup Completion



Fox River Cleanup Complete

- 40 miles of river
- Dredging/Disposal - 6.5 million yards
- Capping - 1000 acres
- Cost: \$1 billion - paid by “Responsible Parties”
- Team effort: Companies, EPA, WDNR, Fish & Wildlife, Tribes

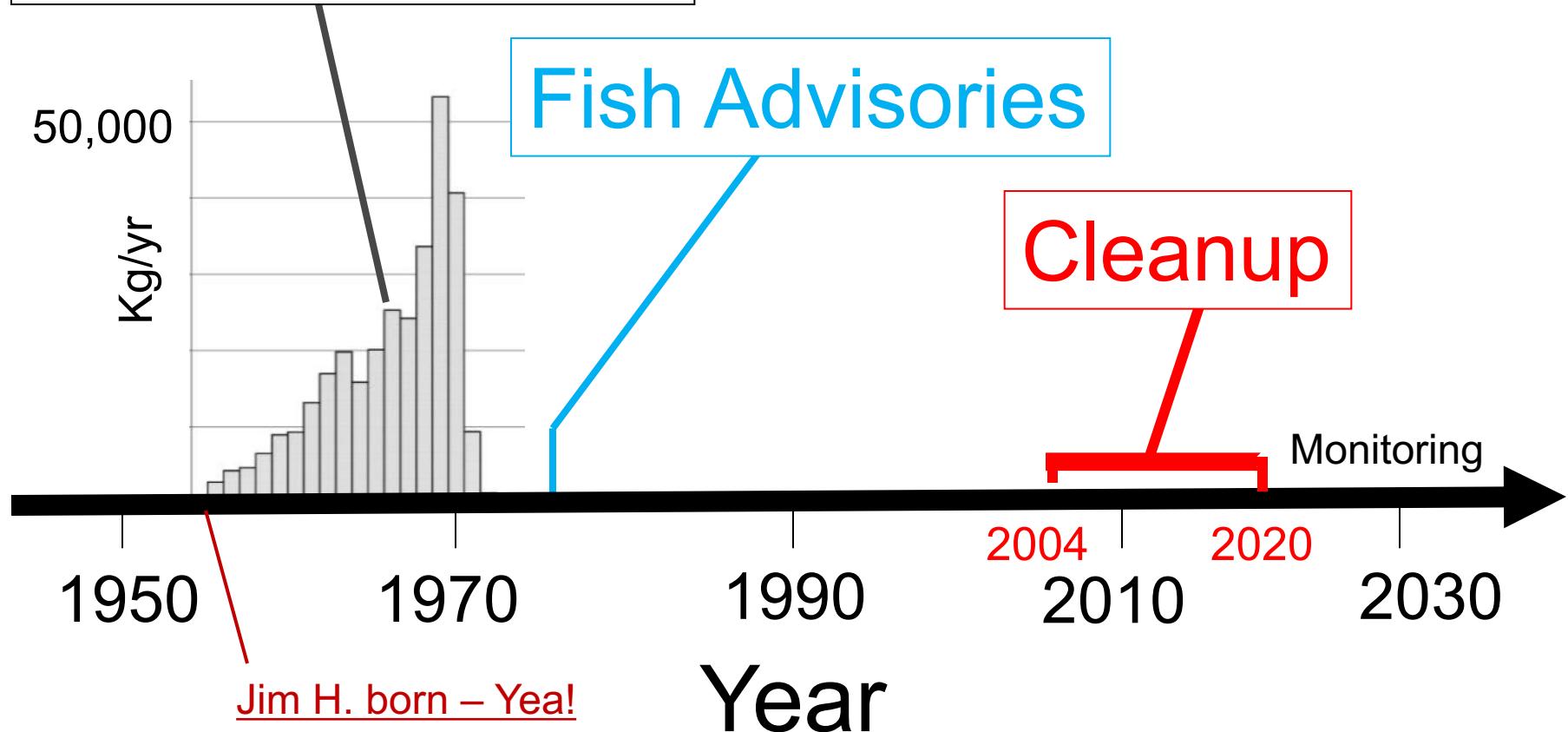
Major PCB sources (1954 – 1971)



Modified from Green
Bay Press Gazette

Site History

PCB Discharges*



* From: WDNR, 1999, Technical Memorandum 2d.

Fox River Cleanup



 **DELORME**

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www.delorme.com

★
MN (3.2° W)
Data Zoom 8-3

0 2 4 6 8 10 12 mi

Hydraulic “8-inch” Cutterhead Dredge

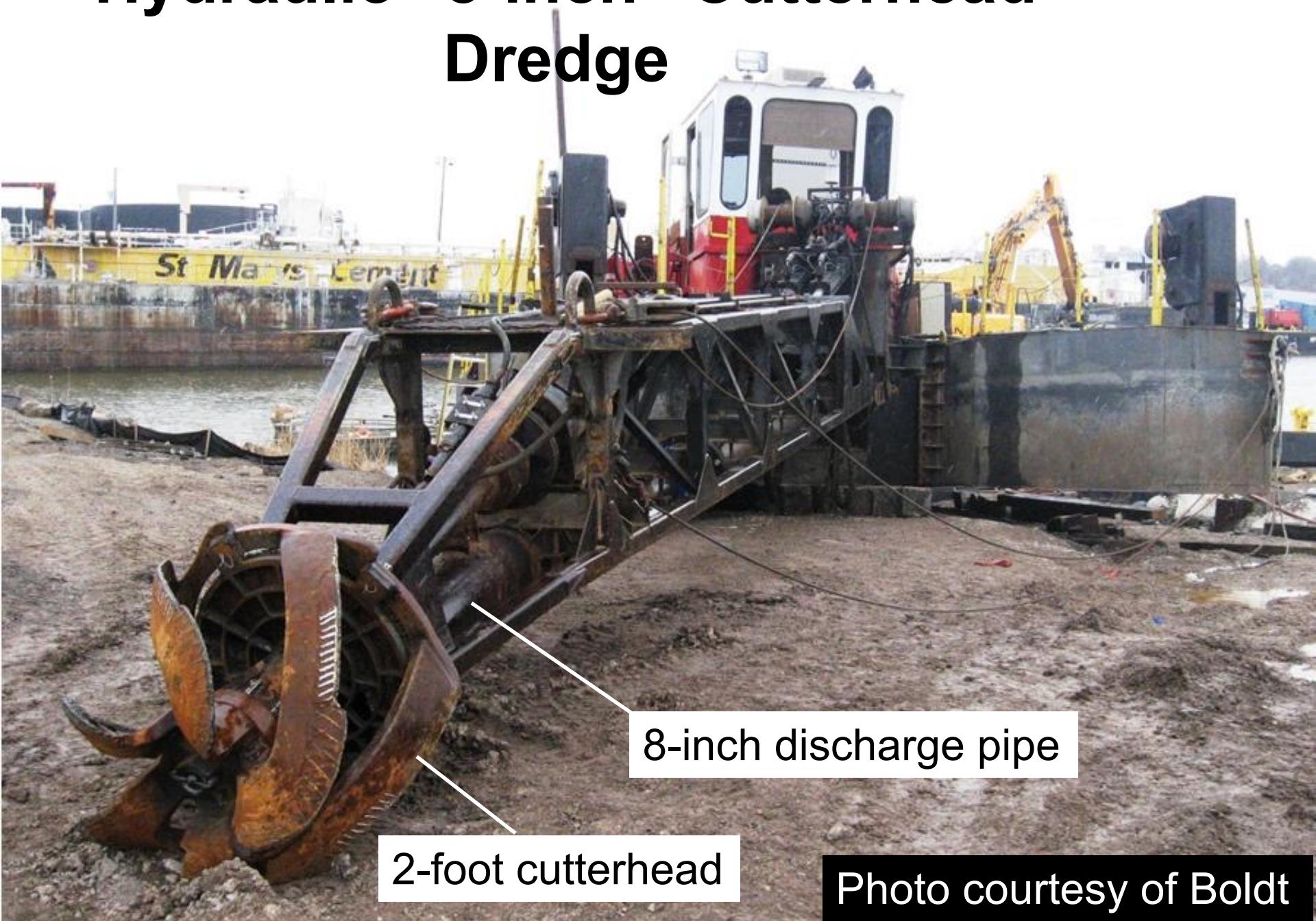


Photo courtesy of Boldt

Dredges

| Discharge pipe size | Cutter head size | Optimum “cut” thickness | Daily production |
|---------------------|------------------|-------------------------|------------------|
| 8 inches | 24 inches | 1.5 feet | 400 – 1000 cy |
| 12 inches | 36 inches | 1.5 – 3.5 feet | 3,100 – 3,400 cy |

Downstream annual production: ~500,000 cubic yards
(Upstream: 100,000 – 250,000 cubic yards)

Dredge Operator Controls

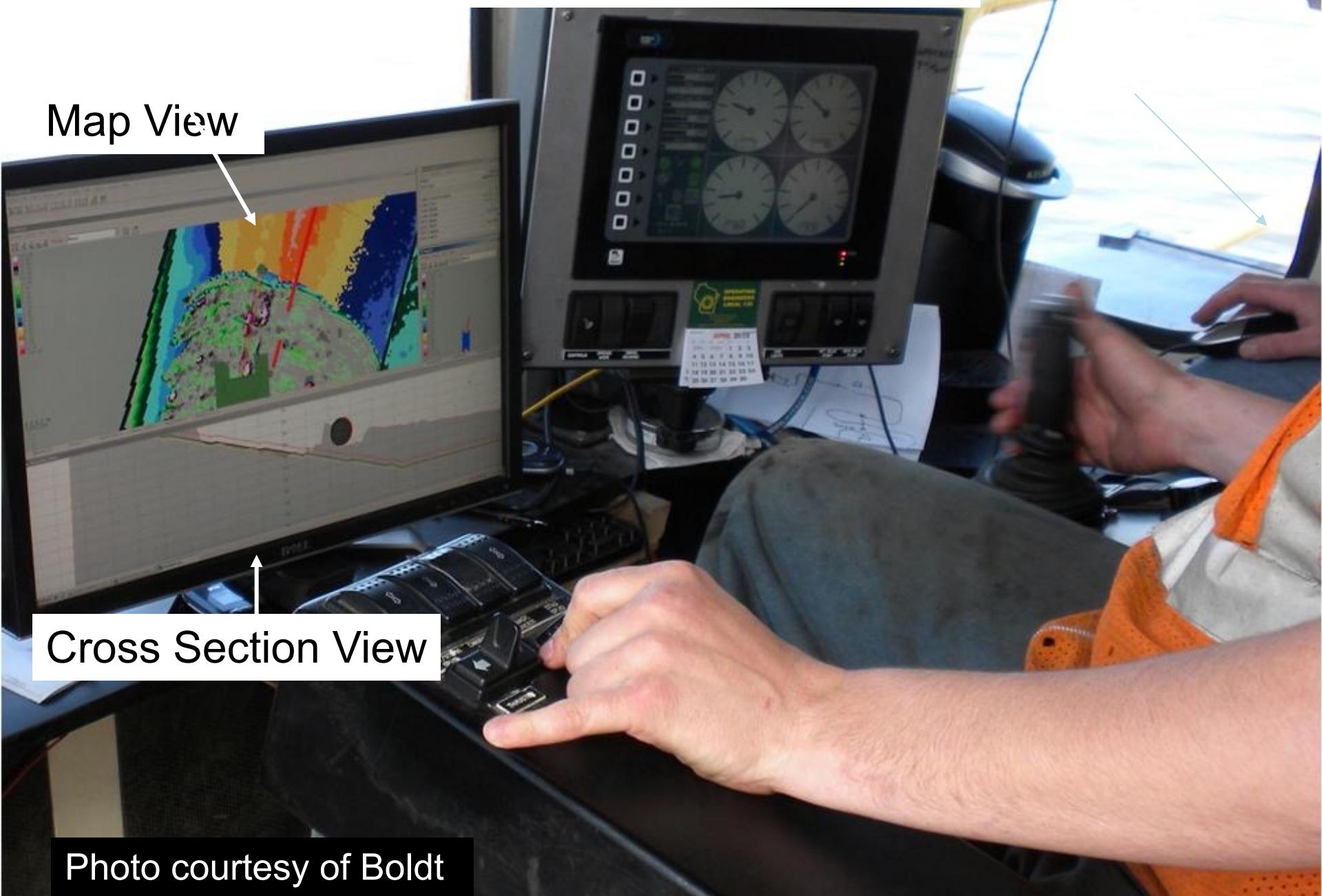
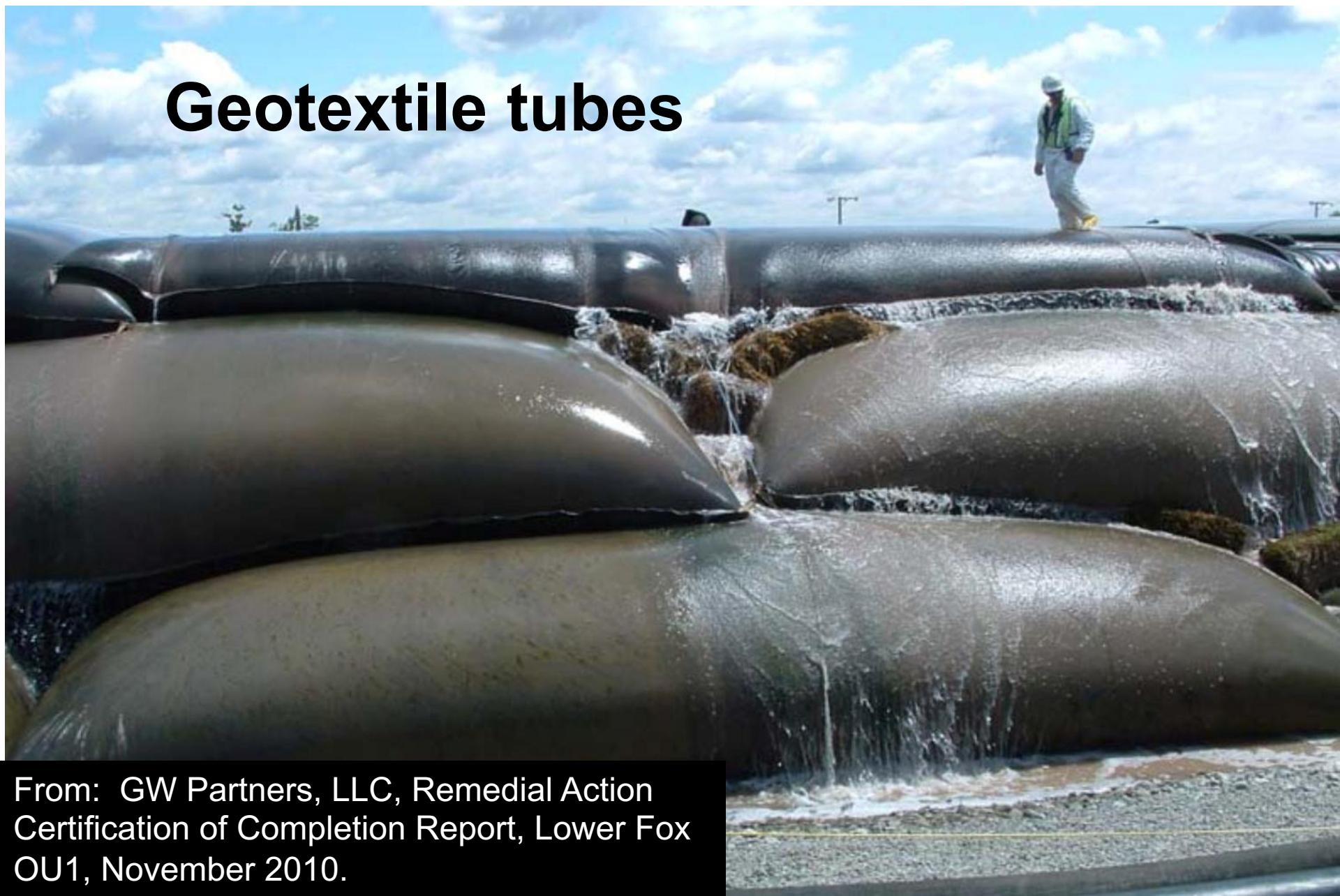


Photo courtesy of Boldt

Upstream Dewatering

Geotextile tubes



From: GW Partners, LLC, Remedial Action
Certification of Completion Report, Lower Fox
OU1, November 2010.



**Restoration
after cleanup**

Field of Tubes



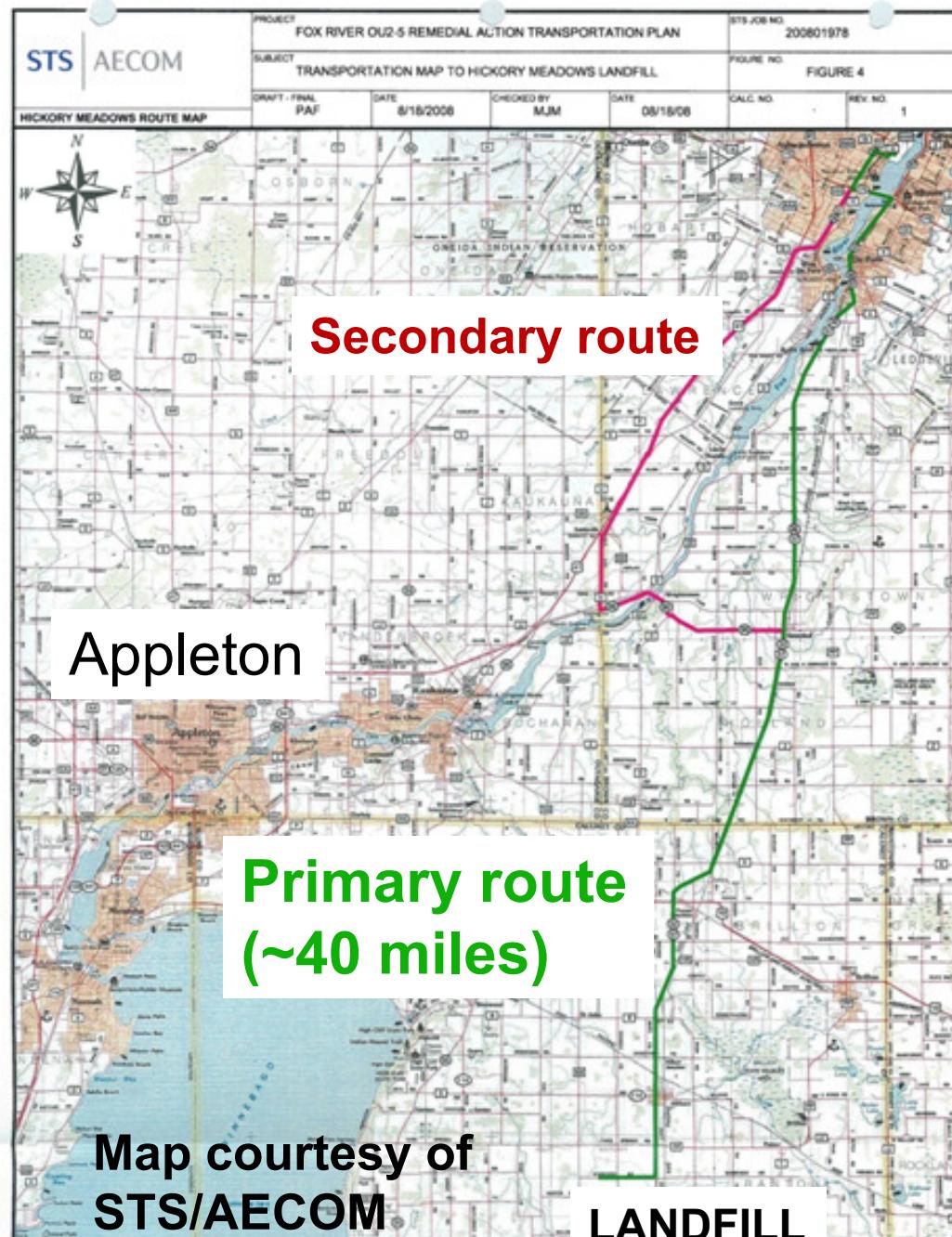
Photos courtesy of Boldt

Downriver Dewatering Plate and Frame Presses



Photo courtesy of Boldt

Disposal route



Disposal



Photo courtesy of Boldt

Caps

1-RA-08-SP-A-4 N-6"-RS

Clean
Sand Cap

Contaminated
Sediment

Photo courtesy of Boldt oversight team



Cap Armor Stone

Results

- Approaching **unlimited fish consumption** in upstream areas
- **90% PCB concentration** reduction in sediment/surface water
- 170+ restoration projects

Agency oversight team



Photo courtesy of Boldt

Thank you



Photo courtesy of Boldt oversight team