

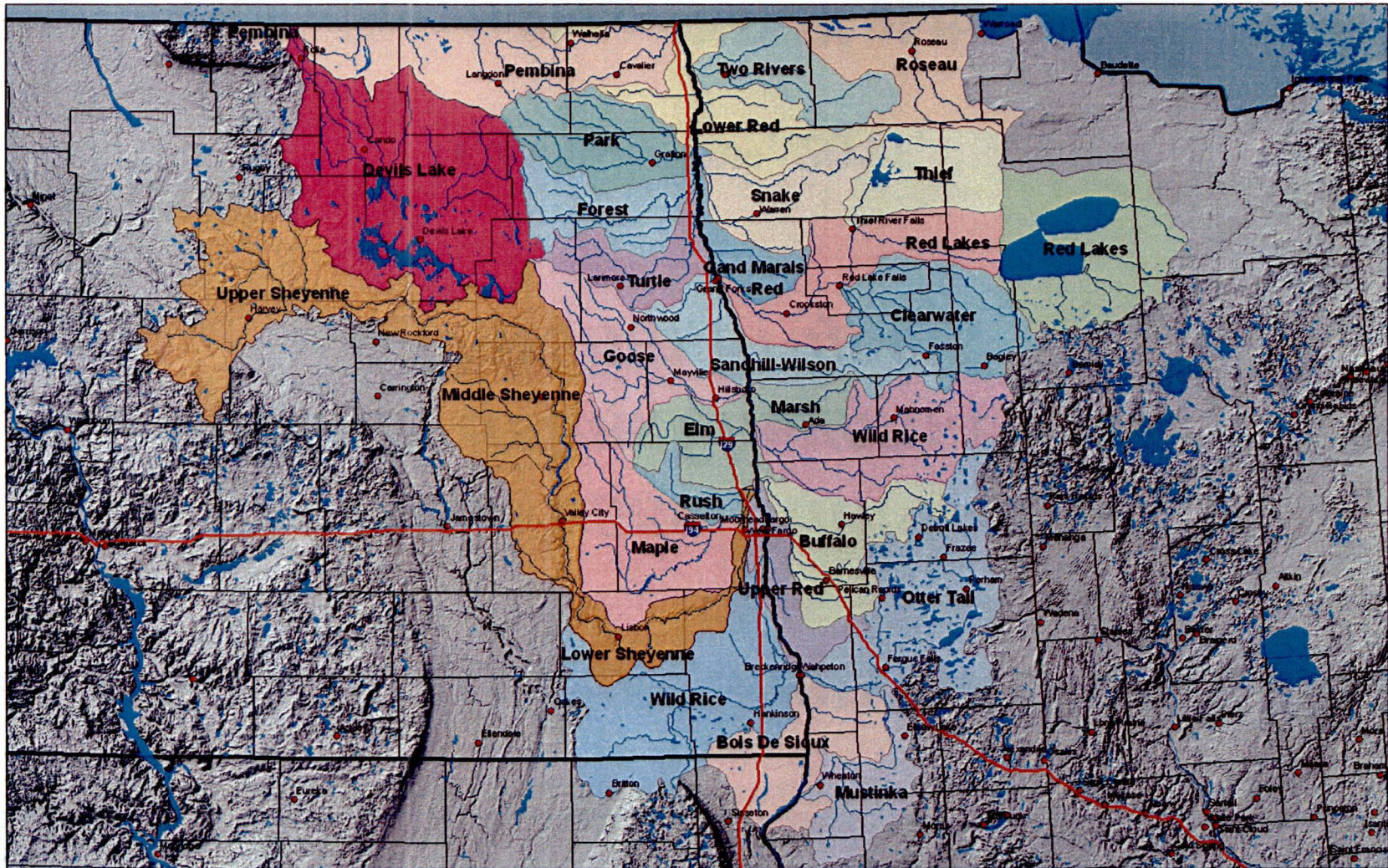


Water-Related Topics Overview Committee

Devils Lake Outflows Impacts to the Sheyenne River Diversion Projects

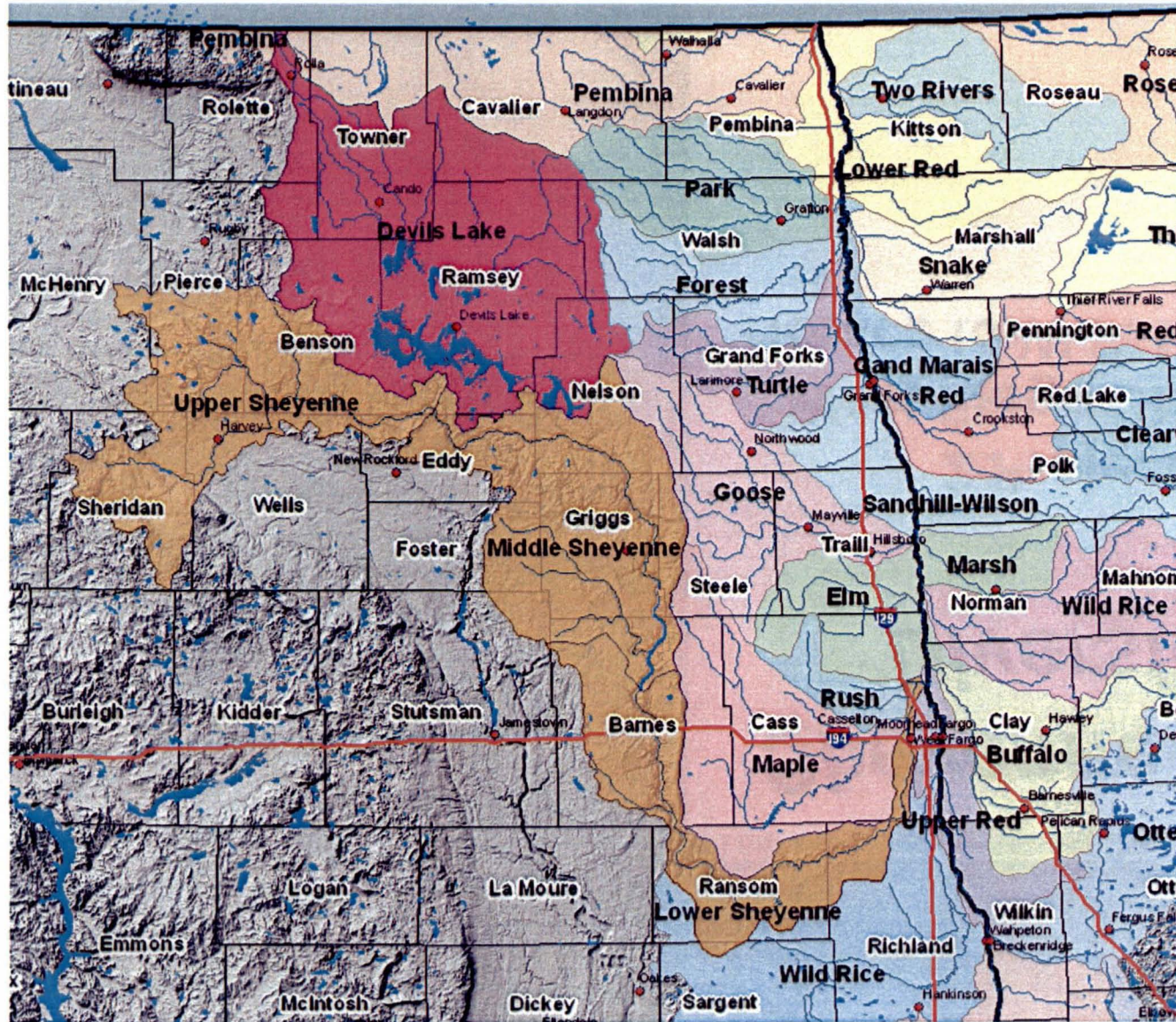
October 10th, 2011

**Presented on behalf of the
Southeast Cass Water Resource District**



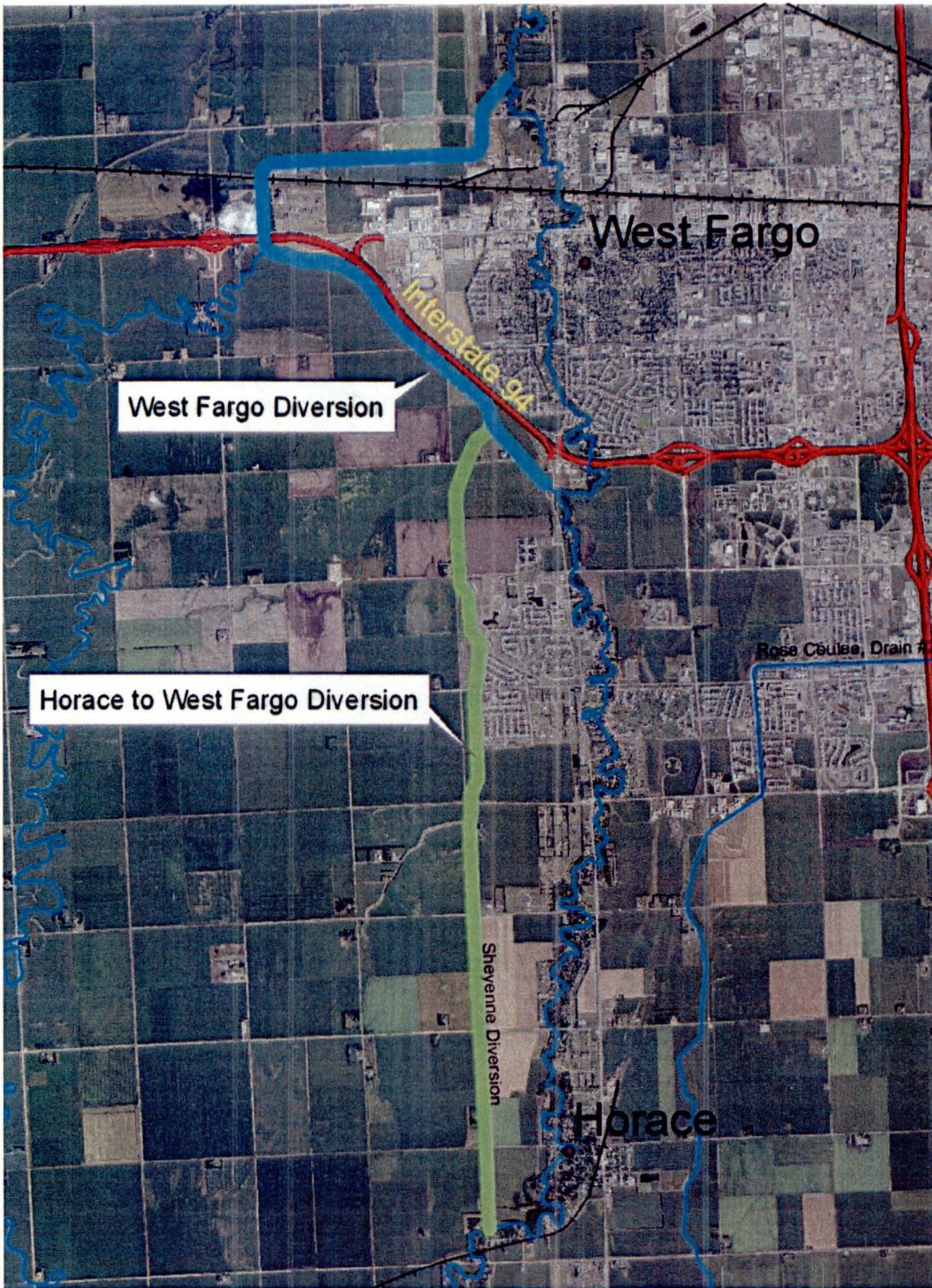
Red River of the North Watershed
SD, ND, MN

Drawn by: GCLBP
Date: 07.2011
Red River Watershed Map, 10th Edition, 2011, City of Devils Lake and



Sheyenne River Diversion

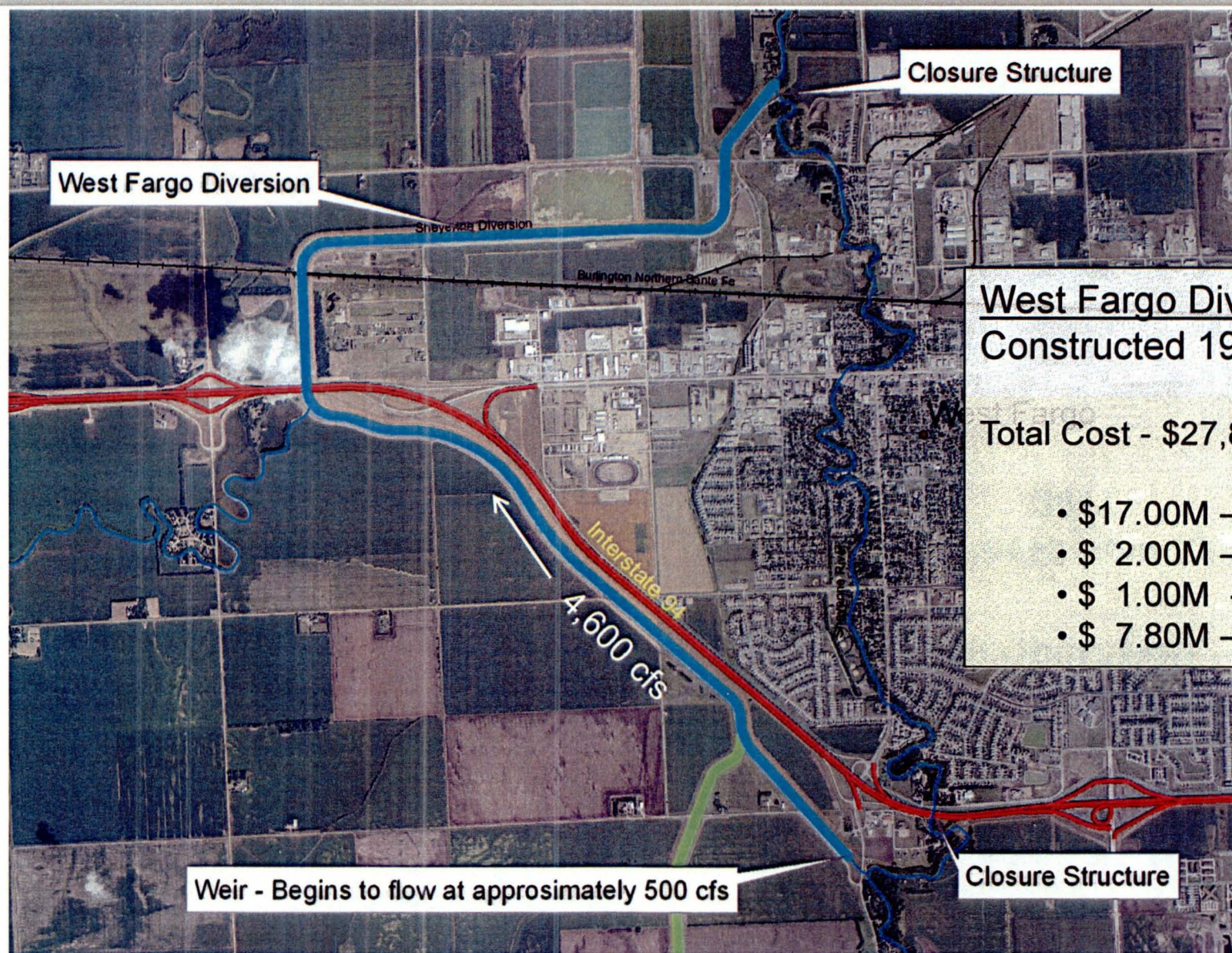
**2 Projects
West Fargo Diversion
Horace to W.F. Diversion**



Sheyenne River Diversion in operation

**Aerial Photo from April 25,
2011**

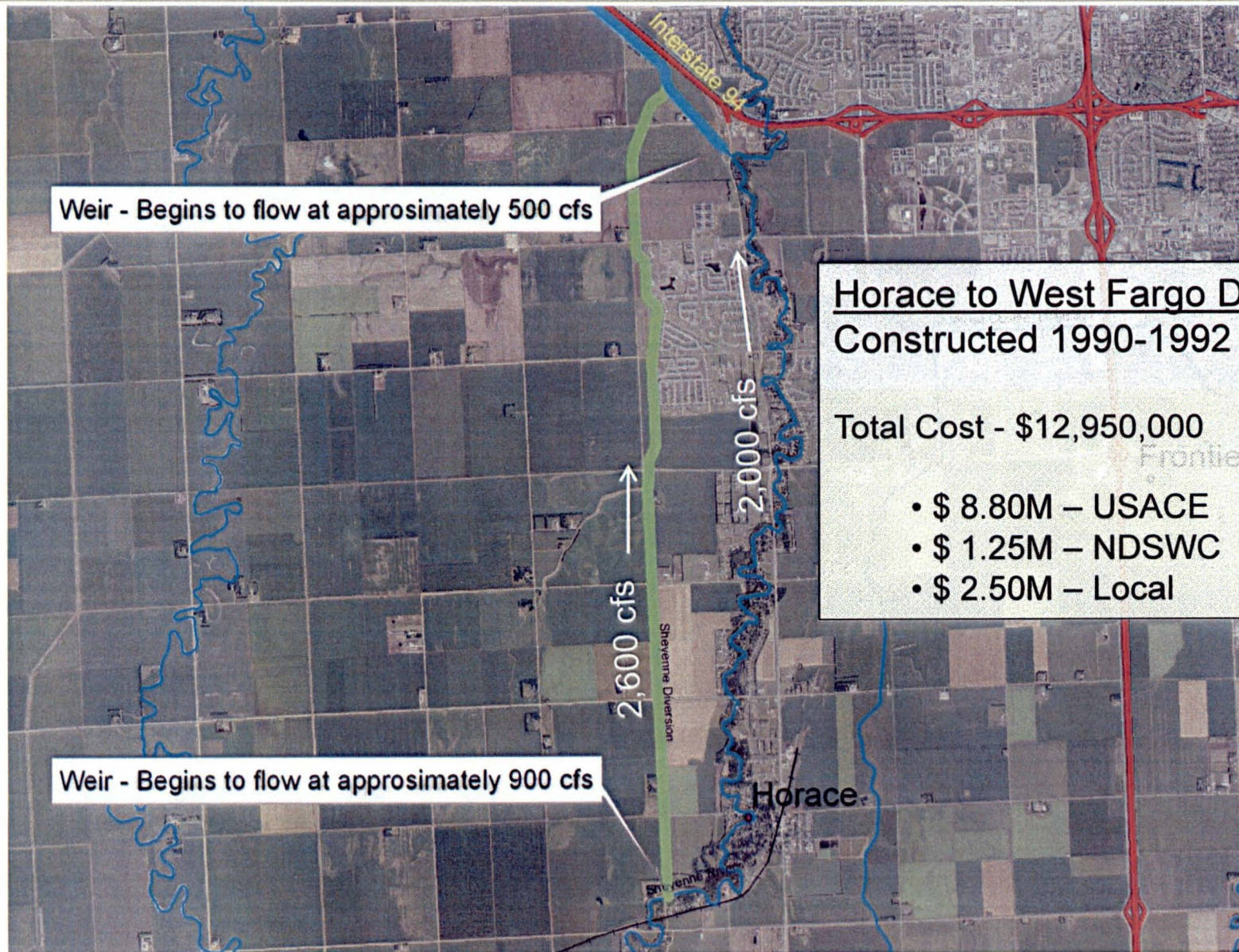




West Fargo Diversion
Constructed 1990-1992

Total Cost - \$27,800,000

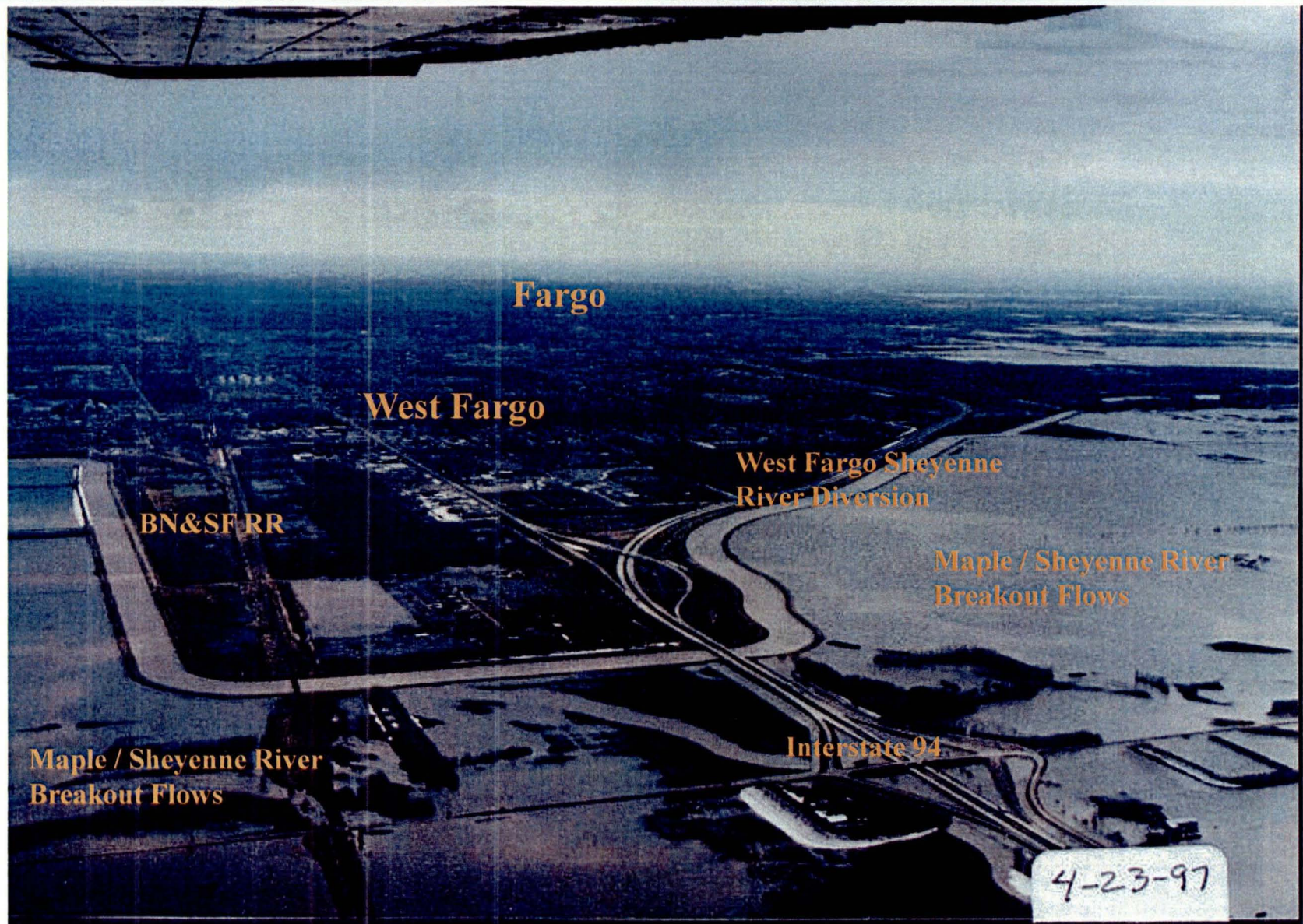
- \$17.00M - USACE
- \$ 2.00M - NDSWC
- \$ 1.00M - NDDOT
- \$ 7.80M - Local



Horace to West Fargo Diversion
Constructed 1990-1992

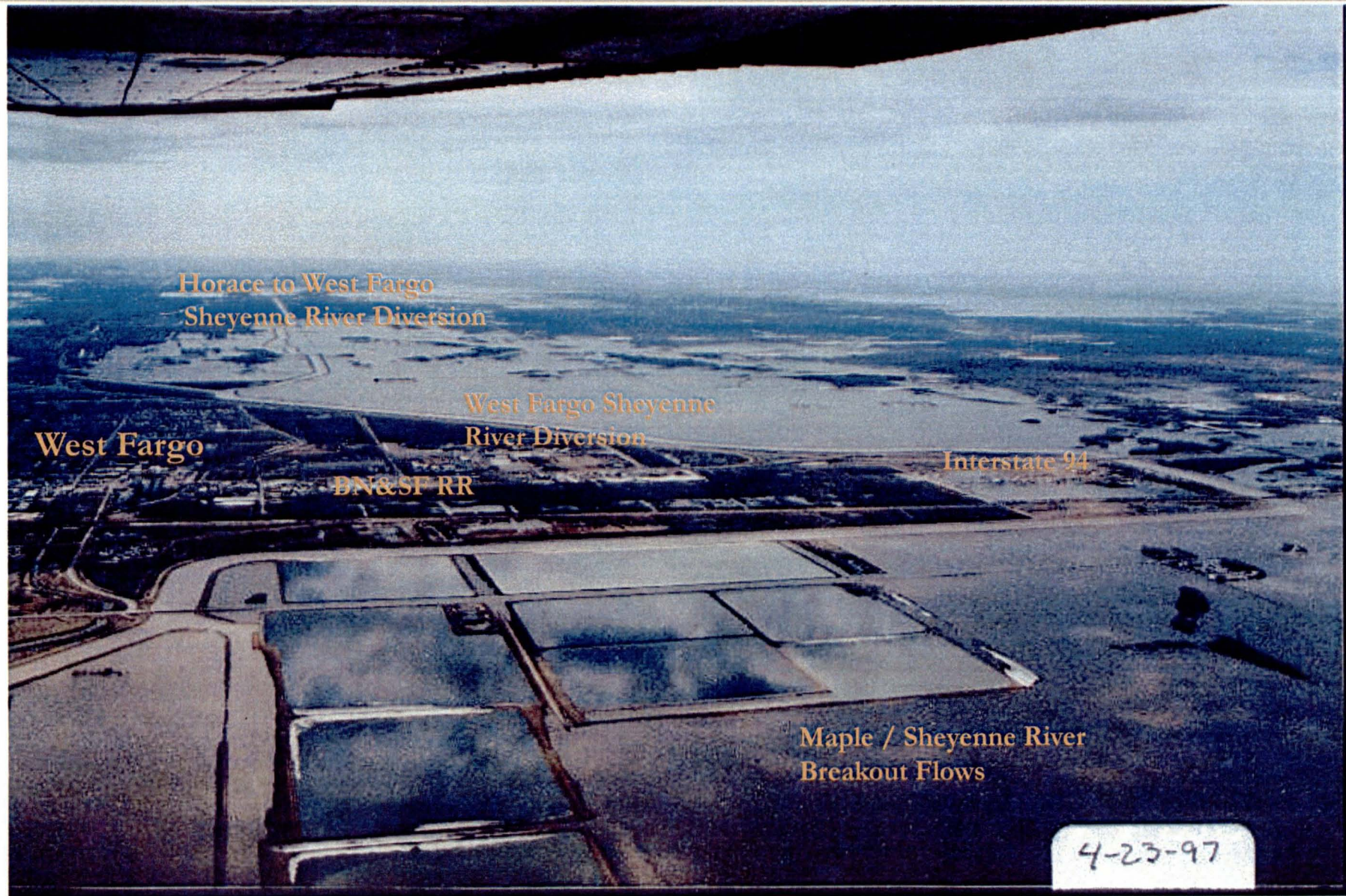
Total Cost - \$12,950,000

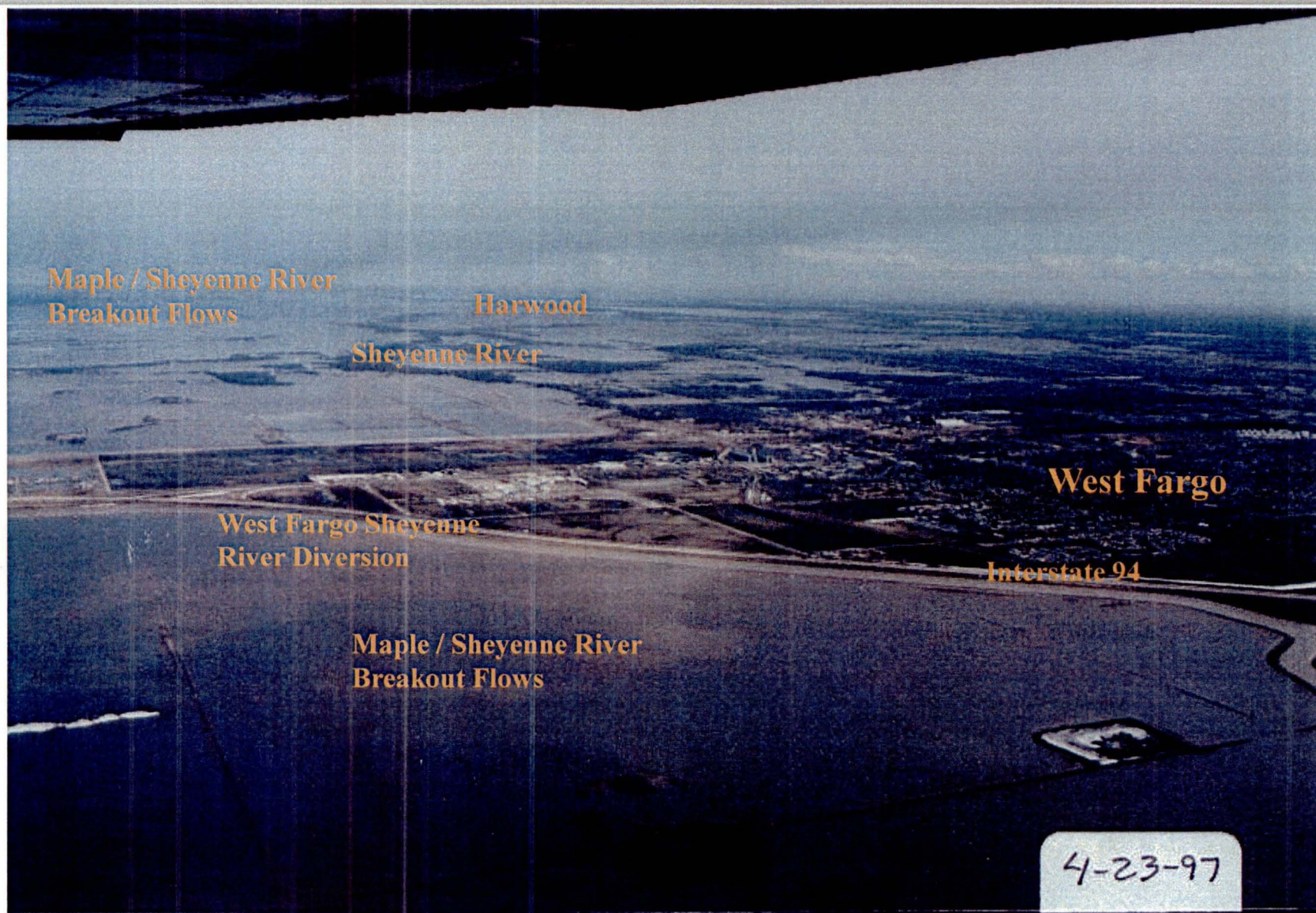
- \$ 8.80M – USACE
- \$ 1.25M – NDSWC
- \$ 2.50M – Local





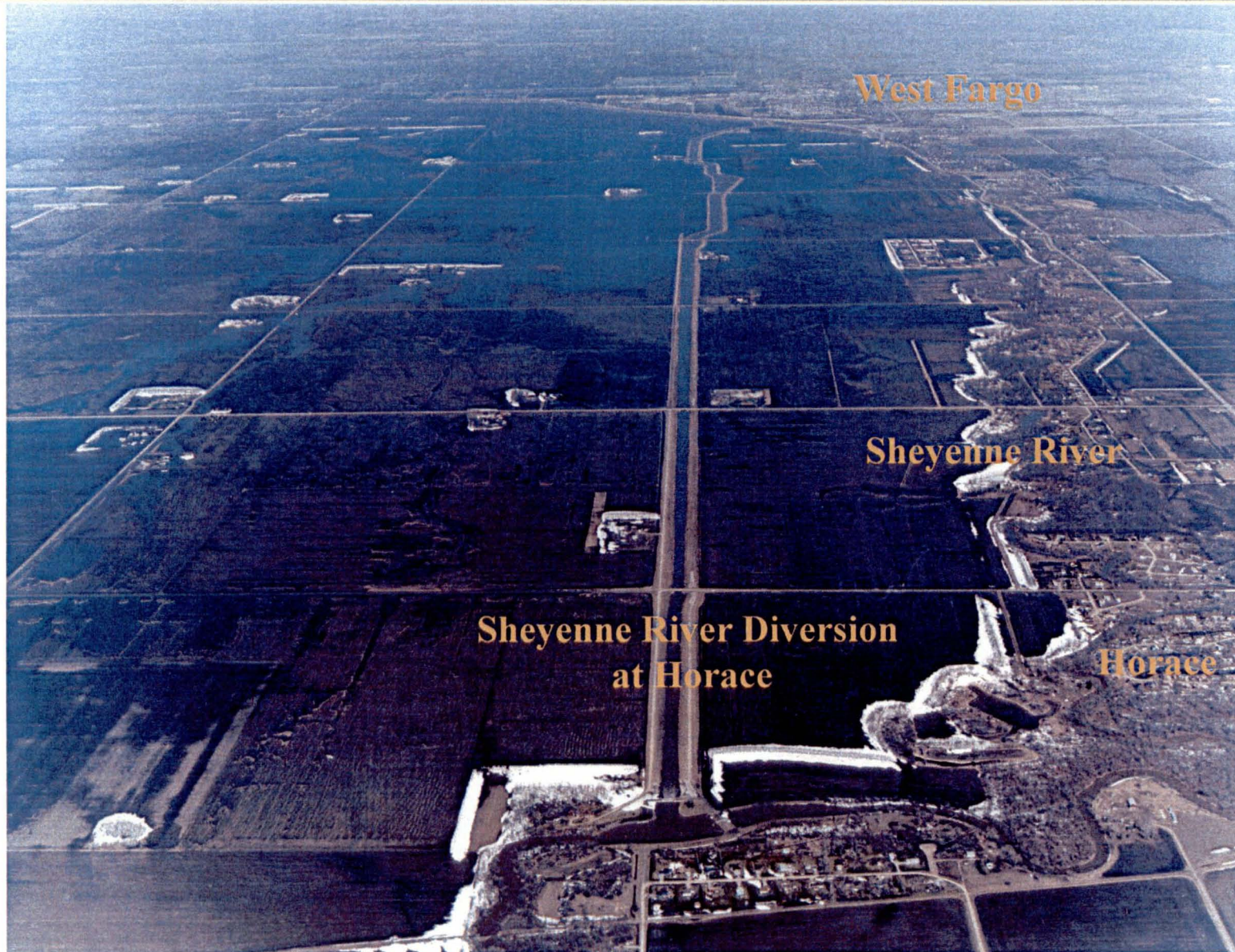
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Sheyenne Diversion Channel Bottom Restoration



Sheyenne Diversion Channel Bottom Restoration



Sheyenne Diversion Channel Bottom Restoration



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Sheyenne Diversion Channel Bottom Restoration



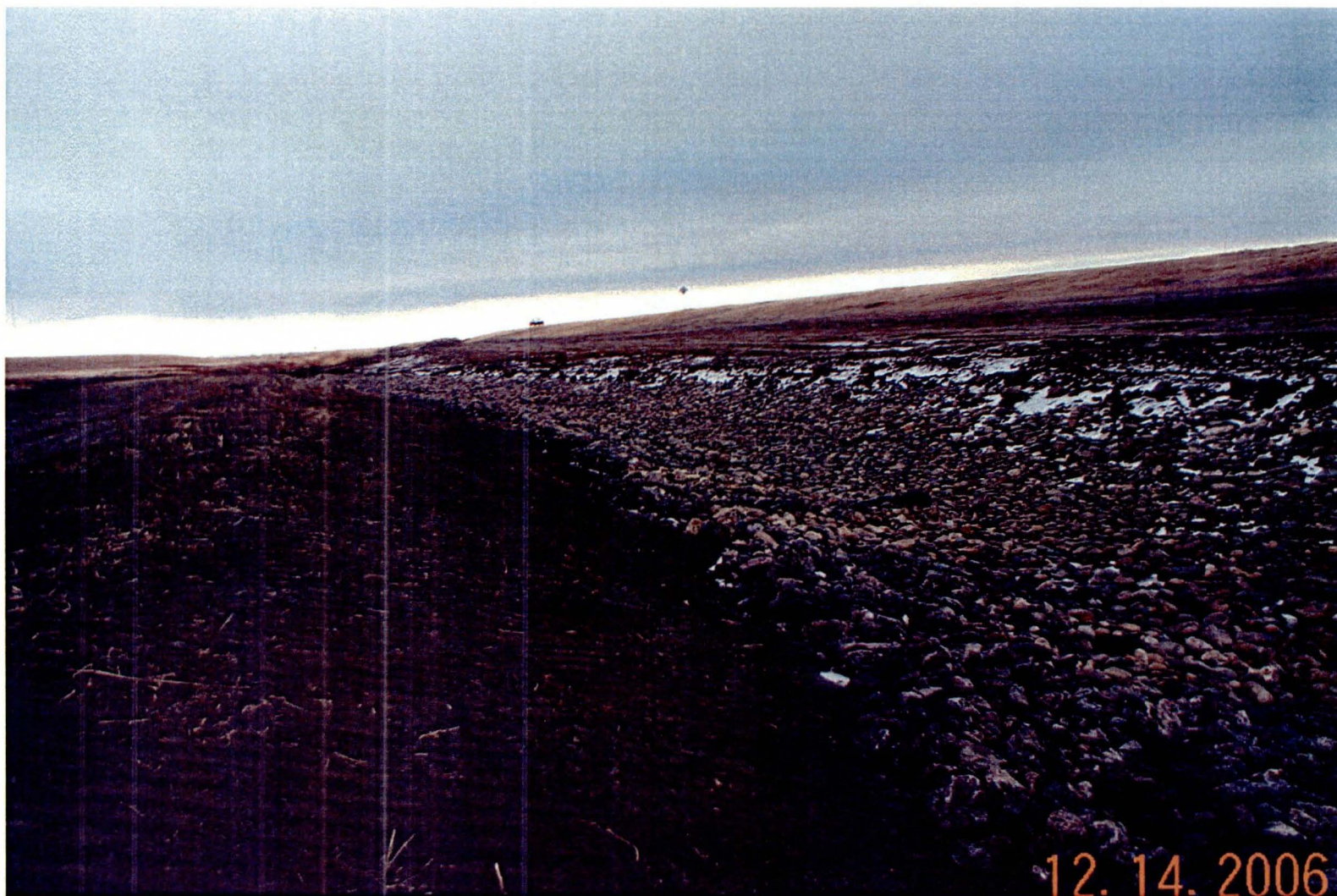
Sheyenne Diversion Channel Bottom Restoration

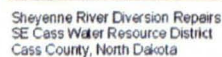


Sheyenne Diversion Channel Bottom Restoration



Sheyenne Diversion Channel Bottom Restoration



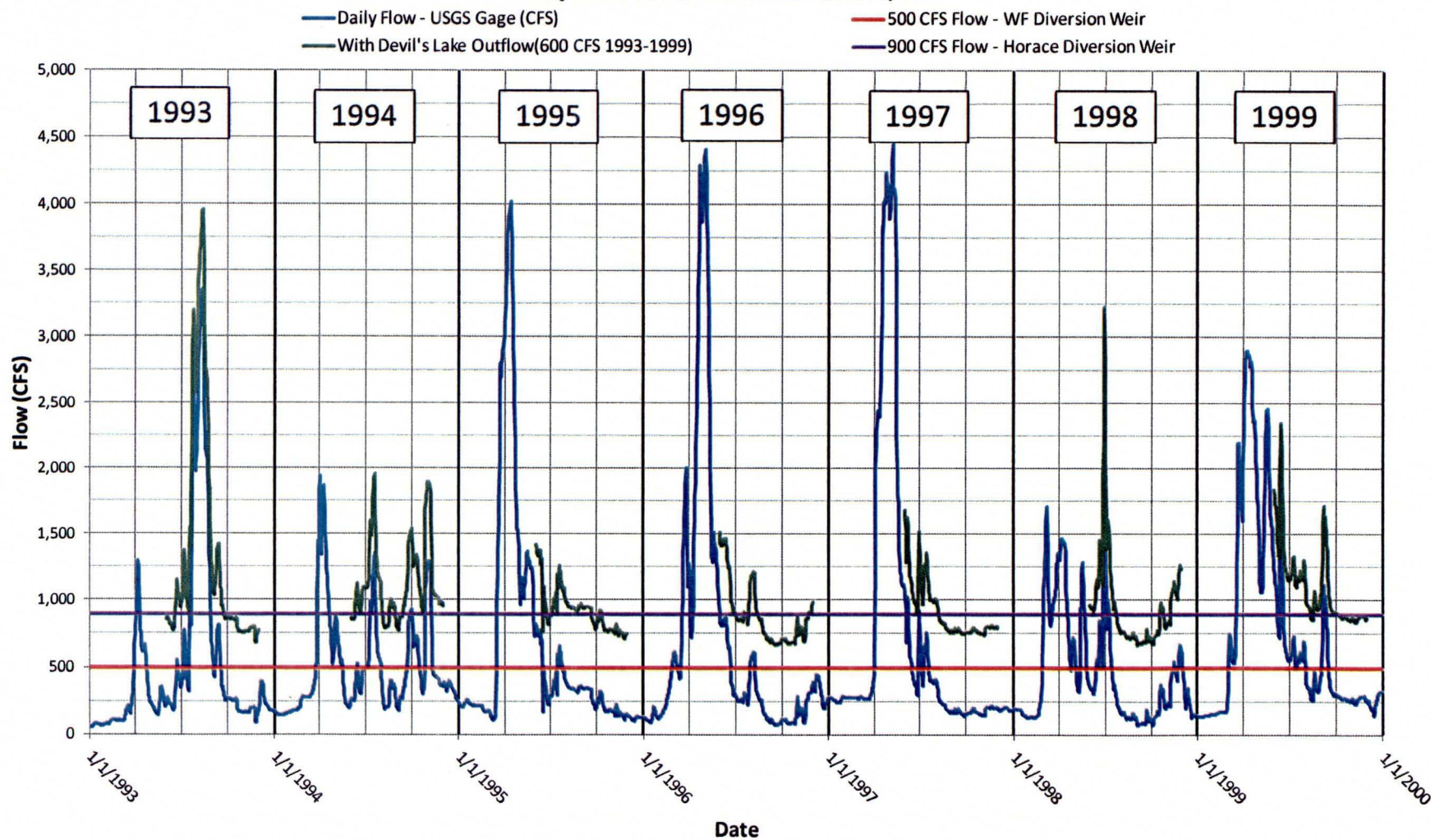


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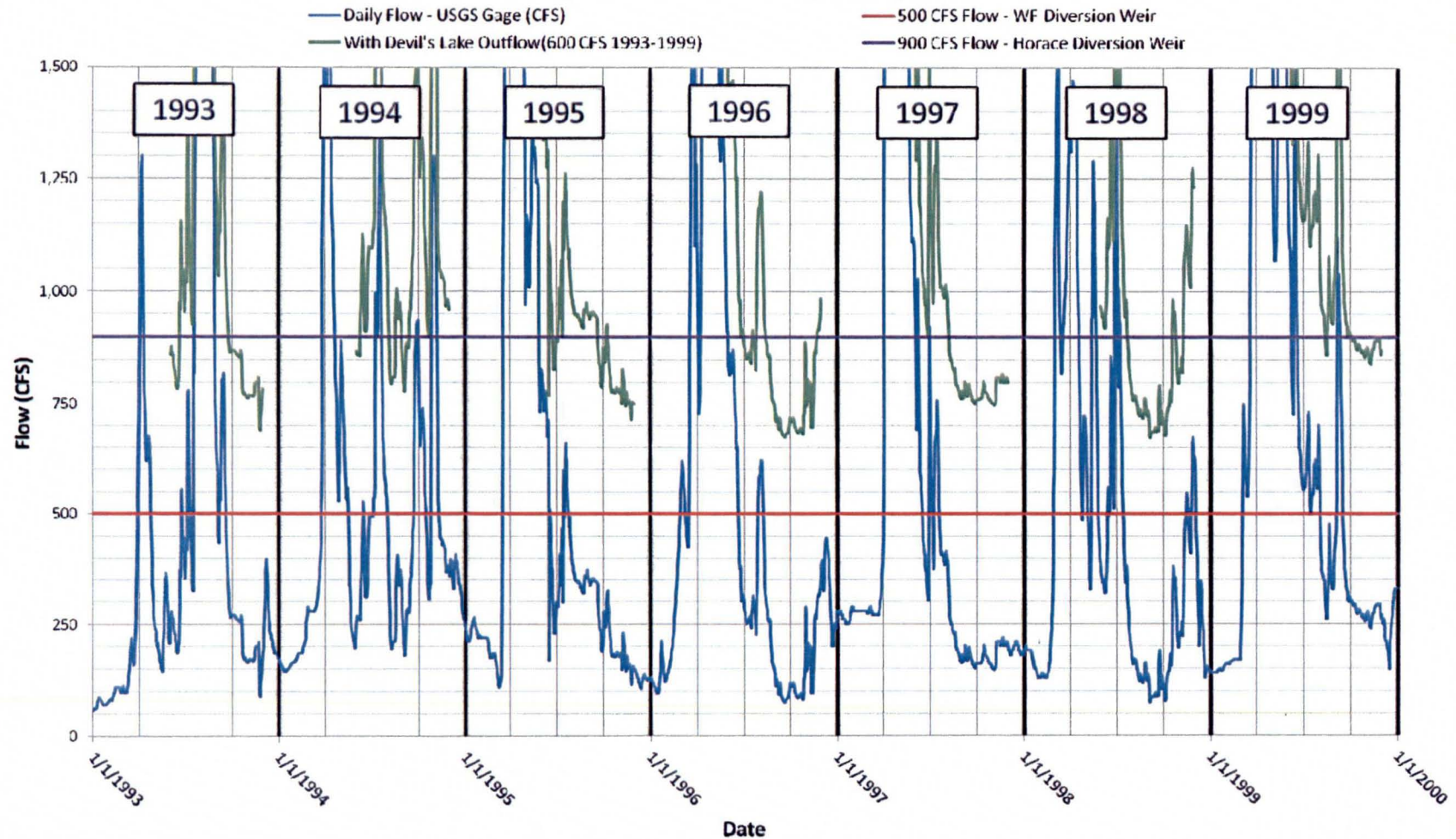
Total Cost - \$9,500,000

- \$ 3.8 Million – NDSWC
- \$ 5.7 Million – Local

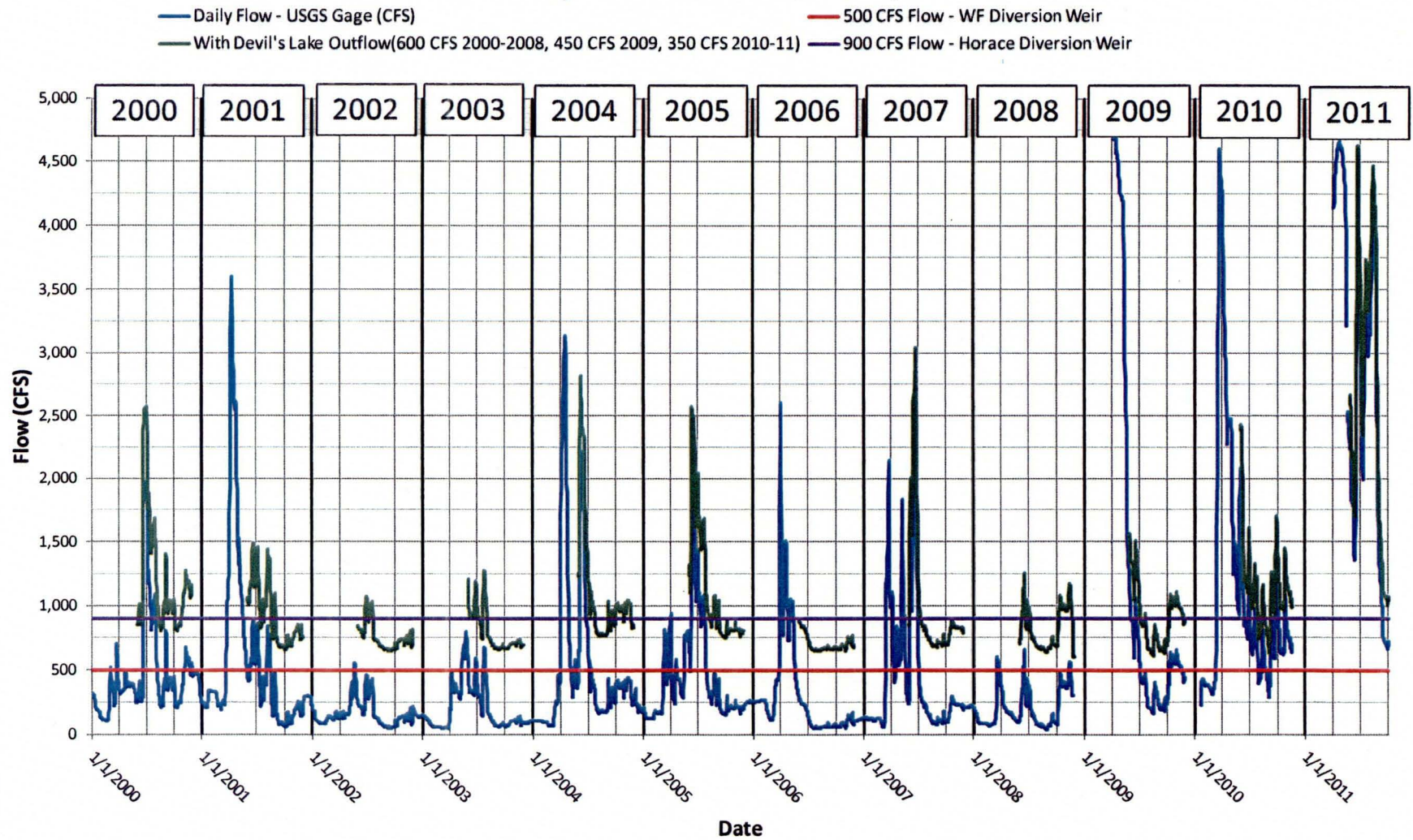
Sheyenne River Flows at Horace, ND



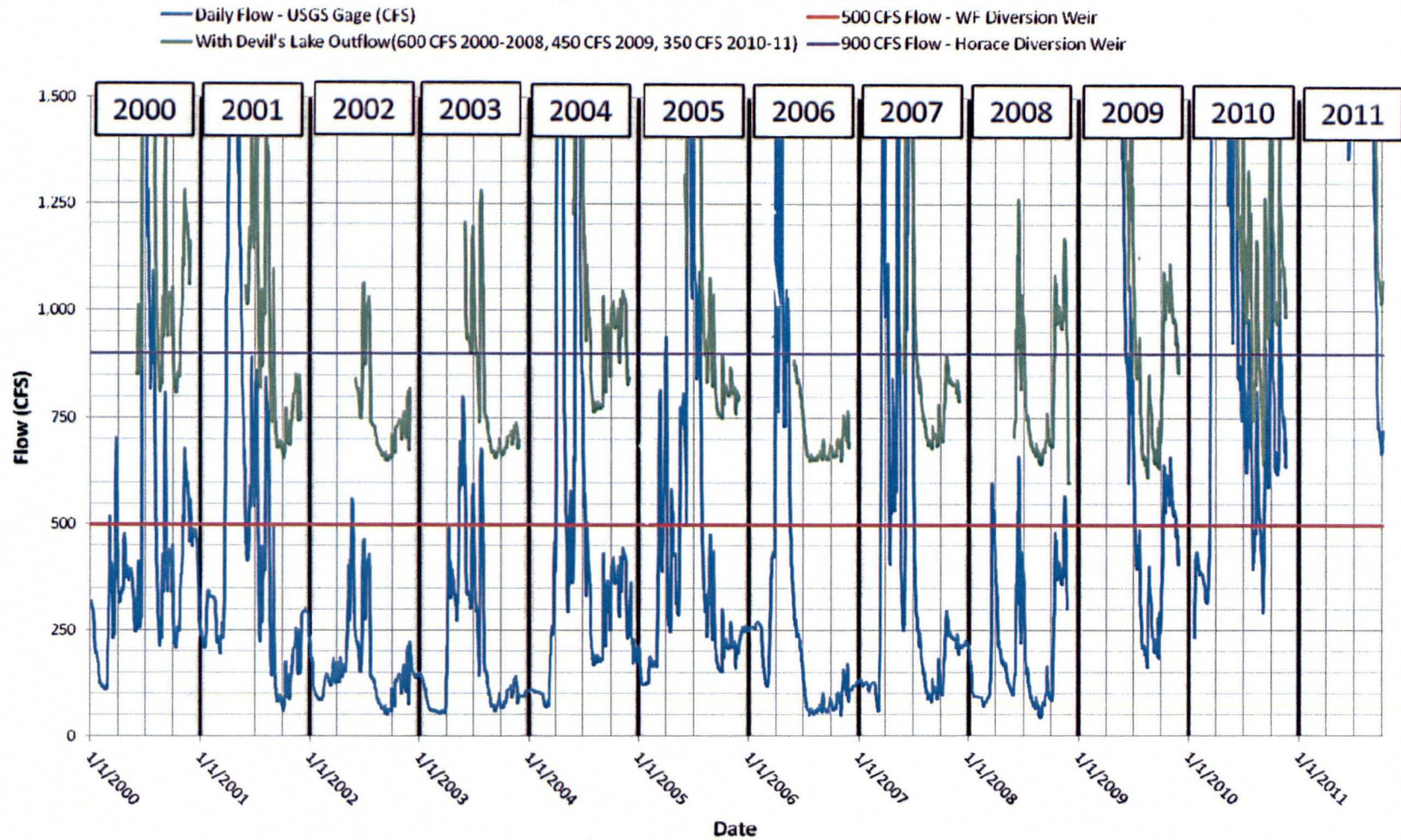
Sheyenne River Flows at Horace, ND



Sheyenne River Flows at Horace, ND



Sheyenne River Flows at Horace, ND





What might the lower Sheyenne River Basin look like if Devils Lake flows uncontrolled into the Sheyenne river?

All flows in the Sheyenne River over 5,500 cfs +/- upstream of Kindred break out and flow overland towards the Maple and Wild Rice Rivers.

Photo from April 25, 2011



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Devils Lake Outflows Impacts to the Sheyenne River Diversion Projects

Questions / Discussion