



## State Moving Forward on East Devils Lake Outlet

Governor Jack Dalrymple announced in early March that the state has selected a project plan to build a second water outlet at Devils Lake.

The project, developed by the State Water Commission, calls for constructing an underground pipeline from East Devils Lake to the downstream side of Tolna Coulee (see map). The pump-flow pipeline will be capable of transferring between 250 cubic feet of water per second (cfs) and 350 cfs from Devils Lake into the Sheyenne River.

“Building an east-end outlet is a critical element in our strategy to alleviate flooding in the Devils Lake Basin and to protect downstream communities,” Dalrymple said.

From East Devils Lake, the pipeline will run about five miles southeast to Tolna Coulee. The outlet and pipeline design will allow for winter construction. The project is scheduled for completion in the spring of 2012, and is expected to cost between \$62 million and \$90 million.

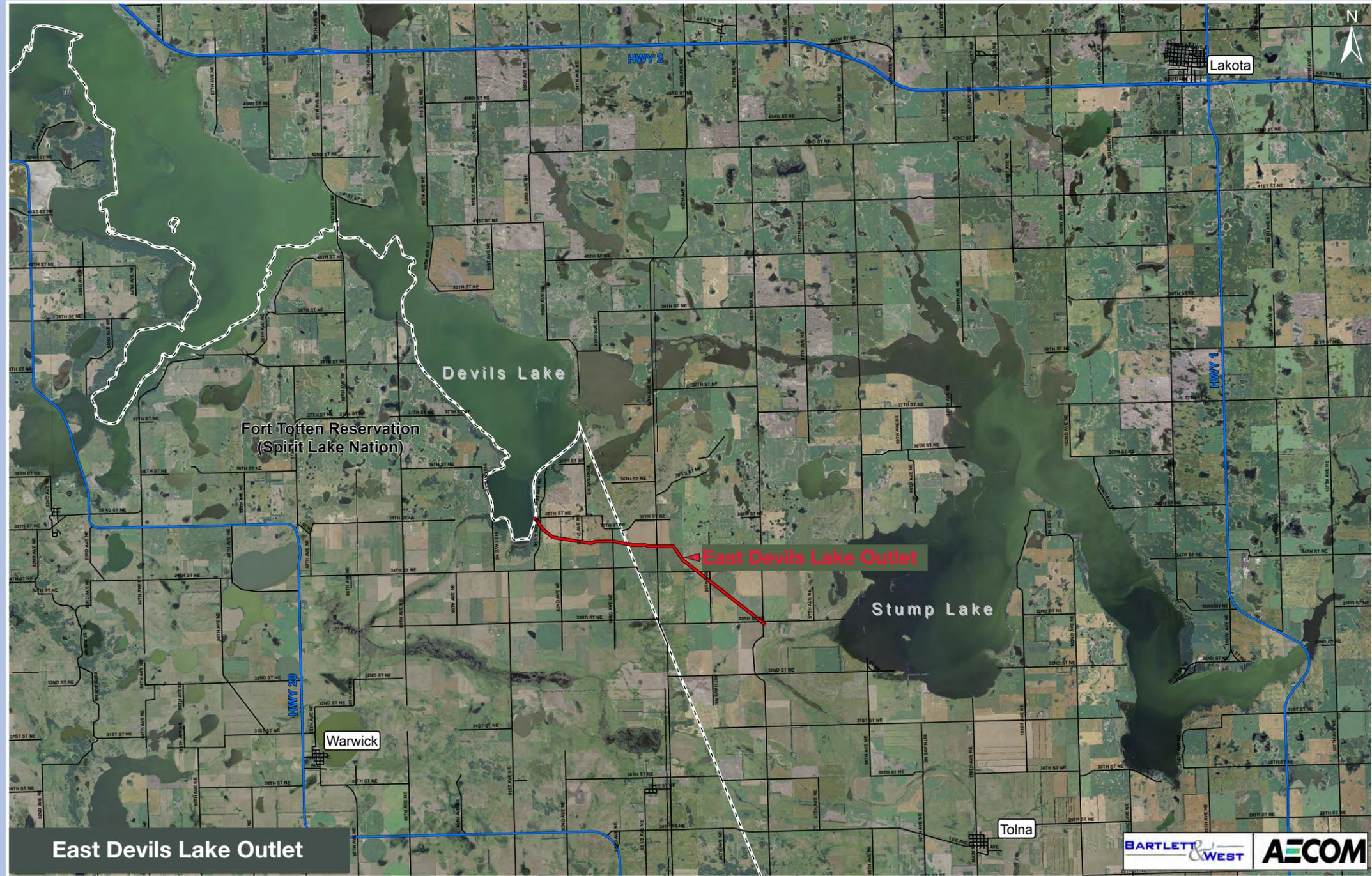
The East Devils Lake outlet project was developed in collabora-

tion with area stakeholders including the city of Devils Lake, the Ramsey County Commission, the Spirit Lake Nation, and Valley City.

“We like the route and we like the timeline,” Devils Lake Mayor Dick Johnson said. “It appears to be a win-win for our whole region.”

Dalrymple said the East Devils Lake outlet is part of a larger strategy to alleviate flooding in the Devils Lake Basin and to protect downstream interests. In addition to building an East Devils Lake outlet, the state is moving forward with plans to build a water control structure at Tolna Coulee and is continuing its work to expand the lake’s west-end outlet to increase water discharges from 250 cfs to 350 cfs. The current west-end outlet will be in operation again this summer.

With the existing 250 cfs west end outlet in place, a 250 cfs east end outlet, and a 100 cfs west end expansion,



East Devils Lake Outlet

the state could be releasing up to 600 cfs via outlets in the coming years.

State Engineer Todd Sando said the location of the East Devils Lake outlet was selected after comprehensive evaluations of all options. The east-end outlet plan offers the quickest and most efficient way to

move additional water off the lake. State officials said plans to build an east-end outlet in any other location would likely be delayed by federal regulation, international treaties, and litigation.

“The project looks very good,” Ramsey County Commissioner Joe

Belford said. “It should also be pleasing to downstream communities because the outlet site will move water of the best possible quality.”

Valley City Mayor Robert Werkhoven said he supports the east-end outlet project and its construction schedule because it will help move

water off the lake and protect downstream communities from a possible uncontrolled release from Tolna Coulee.

“I’m pleased that the outlet will help protect our people and our land,” said Myra Pearson, chairwoman of the Spirit Lake Nation.



North Dakota State Water Commission  
Todd Sando, P.E., State Engineer  
900 East Boulevard Ave. • Bismarck, ND 58505  
(701) 328-2750 • <http://swc.nd.gov>

The State Water Commission does not discriminate on the basis of race, color, national origin, sex, age, or disability in employment or the provision of services.

# Project WET Leadership Workshop Trains Facilitators

In mid-February, a Project WET facilitator leadership training workshop was held in Bismarck at the Comfort Inn. Project WET facilitators are formal and non-formal K-12 educators who once trained and certified are authorized to plan, promote, develop, and conduct a variety of Project WET teacher, youth and community water resource educational programs and events. Twelve individuals from across North Dakota were trained and certified at the event to promote and deliver credit and non-credit programs to K-12 educators and students.

In order to attend the training, the new facilitator candidates were required to submit a Project WET facilitator application form explaining their qualifications and interests in becoming a facilitator. Each candidate was also asked to complete a Project WET Curriculum and Activity Guide activity with their classroom students (or other learning situation) and present the materials and a summary of the activity during the workshop to all other individuals. Finally, all attendees signed a "Certificate of Commitment" to promote and provide Project WET educational opportunities to K-12 educators and youth. Each candidate met the necessary requirements and following the training, received a "Certificate of Completion" acknowledging their certification and commitment to Project WET as facilitators.

Workshop training, using small and whole group methods, included:

- Understanding, planning and teaching activities from the Project WET Guide;
- Understanding, planning and teaching activities from five Project WET supplemental guides;
- Understanding and reviewing all components of the 2011 edition of the Project WET Facilitator Handbook;

- Learning methods for planning, promoting, facilitating, and conducting Project WET educational opportunities;
- Understanding, planning, and developing a graduate credit workshop and a wide variety of water education programs for specified Project WET scenario options;
- Explanation of the Project WET USA and North Dakota Project WET K-12 curriculum and educational materials and resources; and
- Whole group sharing of Project WET Guide activities and materials.

Facilitators also received training using the liquid treasure and watershed pollution educational trunks. Each facilitator received a great diversity of water education resource and educational materials, and a visit from an elderly woman who homesteaded with her husband in the early 1900s in North Dakota.

Instructors at the 2011 facilitator training workshop were Project WET Director, Bill Sharff, and Project WET facilitators Kim Belgarde (Fargo elementary teacher), Angie Bartholomay (Dakota College - Bottineau Science teacher), Dave Marquardt (Fargo elementary teacher), and Ila LaChapelle (Walhalla Science teacher).



Participants completing a Missouri River watershed manager activity.



Facilitators attending the training were: First row (left to right) – Kelsey Gravalin, Fargo; Tonya Dent, Fargo; Second row (left to right)- Joelle Manlove, Valley City; Kim Belgarde, Fargo; Susan Duffy, Hillsboro; Bill Sharff, Bismarck; Third row (left to right)- Courtney Kastning, Fargo; Sarah Anderson, Grand Forks; Ila LaChapelle, Walhalla; Janelle Hanson, Fargo; Beth Horning, Bismarck; Fourth row (left to right)- Dave Marquardt, Fargo; Tina Harding, Arvilla; Christina Hargiss, Fargo; Robin Wacha, Fargo; Larry Brooks, Bottineau; Angie Bartholomay, Bottineau.