

## Memorandum

**To:** City of Mitchell  
**From:** FYRA Engineering  
**Re:** Lake Mitchell Update  
**Date:** 6 March 2017

### 1 UPDATE ON PROJECT TASKS

#### A. THIS MONTH'S PROJECT TASKS

- Work on the lake water budget is progressing on-schedule and is ongoing.
- The framework for the watershed model (STEPL) has been created and data field inputs are currently being populated.
- Sediment, phosphorus and nitrogen watershed loads were evaluated using the USGS SPARROW dataset.
- Two presentations (one each for the TAT and WAC) are completed and will provide current project tasks, historic and current lake and watershed conditions, a definition of committee member roles and will gather input from committee members on problem definition and project goals.
- The TAT and WAC meeting date has been set (March 7, 2017).

#### B. NEXT MONTH'S PROJECT TASKS

- Conduct TAT and WAC meetings.
- Incorporate committee feedback into project tasks.
- Continue data gap analysis.
- Continue water budget/nutrient mass balance construction.
- Continue watershed inventory with focus on septic systems, farm ponds, conservation practices, unregistered feedlots.
- Continue assessing and quantifying pollutant loads to Lake Mitchell.