

- e. Eliminate approximately 1.75 miles of Storage Area 1 levees, and possibly all of the 7.25 miles of Storage Area 1 levees.
2. New impacts resulting from this change include: new landowners are affected and the change impacts more homes.
- iii. Scope: Evaluate the following items. Include structural feasibility, hydraulic feasibility, land costs, structure costs, levee costs, and road and bridge costs in the evaluation.
  1. Relocation of the Red River outlet control structure and fish passage, approximately 1.5 miles north of proposed existing location.
  2. Deletion of Wolverton Creek control structure.
  3. Relocation of Wild Rice River control structure.
  4. Relocation or extension of MN tie-back levees.
  5. Relocation of diversion channel from new Red River outlet control structure west to the diversion channel inlet weir.
  6. Deletion of a portion of Storage Area 1 levees, and possible deletion of entire Storage Area 1.
- iv. Deliverables:
  1. Technical Memorandum – VE-13 Options Evaluation (TM 6-2.B)
    - a. Draft July 31, 2012
    - b. Final September 14, 2012

**C. Land Management Improvements Evaluation No. 1**

- i. Objective: Evaluate the proposal presented by the Mayor of Oxbow for modifications to the Communities of Oxbow, Bakke, and Hickson, assuming the maximum predicted water level in the staging area is estimated to be lower than current estimated levels after completion of upcoming studies, such that the communities could be protected by a ring dike system. Prepare a concept level ring dike plan for the community of Christine.
- ii. Background:
  1. The communities of Oxbow, Bakke, and Hickson are currently in the staging area of the Fargo Moorhead area flood diversion project. The Federally Recommended Project will stage water levels between 7 and 10 feet in the vicinity of these communities. However, the Diversion Authority will be performing a study of options that could possibly result in a lowering of the water elevation in these communities during operation of the diversion and the staging of water.
  2. The Mayor of Oxbow submitted a proposed development plan for Oxbow, Bakke, and Hickson that may be viable if the water level to be staged in this vicinity is lowered to a level that can be protected by a ring dike or levee system. The proposal presented would preserve the 18-hole golf course by relocating some of the holes, moving or re-building some structures that are currently in low areas for which protection by a levee is not possible, and providing some development to increase the tax basis and maintain the financial viability of these communities.
  3. During a meeting with the community leaders in Christine, it was agreed that a concept level ring dike plan would be useful to more fully understand the