

BNZ LTER Modeling Research (2007 – 2010)



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Modeling Research in BNZ LTER

- ***Strategy of Modeling Research in BNZ LTER***
 - **Theme-specific modeling as a tool to evaluate hypotheses and experiments within themes**
 - **Modeling as a integrative tool to evaluate hypotheses and questions across themes (I/S3, I/S4, and I/S5)**
- ***Resources for Modeling Research in BNZ LTER***
 - **Largely derived from non-LTER funding sources**
 - **Taiga LTER provides context and infra-structure**

Task C4: manipulate soil moisture and its effects on NPP and other ecosystem properties

THE BONANZA CREEK FEN MANIPULATION
an experimental approach to peatland carbon cycling
www.apex.msu.edu



Overall question: How does peat temperature and water table position control vegetation and carbon cycling processes?

Research approach: Factorial design of water table manipulations (soil flooding and drying) and soil warming.

