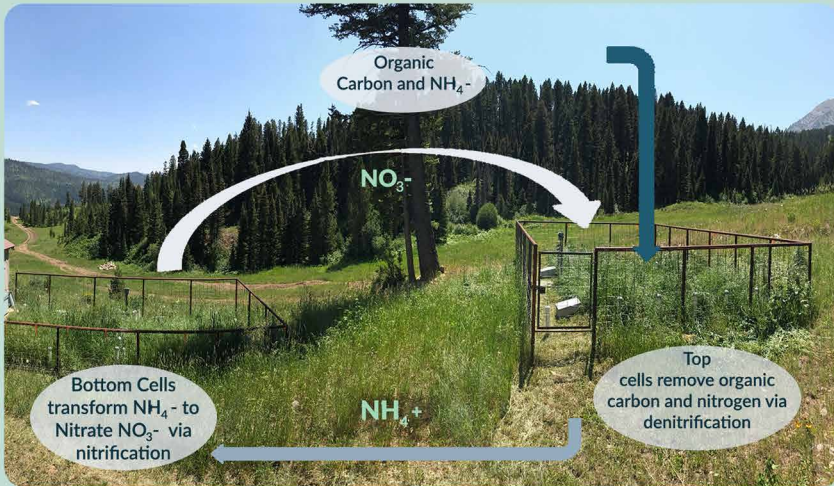


BRIDGER BOWL VERTICAL FLOW WATER TREATMENT WETLANDS



This pilot project between Bridger Bowl, MSU Civil Engineering Department and Montana Department of Environmental Quality began in 2012, to test the use of constructed wetlands water treatment technology and native plants in the high elevation Montana environment.

The MSU team provided the design and technical oversight, Rocky Mountain Engineers provided the construction plans and hydraulic calculations, and Bridger provided the system construction and equipment.

Special thanks to Bob Allen - Bridger Bowl and Otto Stein - MSU for their leadership in the development of this wetlands

This is now a fully functioning system, treating up to 10,000 gallons of effluent a day to a high level of water quality before discharge into a subsurface drain field.

The Montana DEQ has adopted the technology; the construction and operation of the system, design standards, operational guidelines and best practices for system startup, paving the way for other treatment wetland applications in the region.



COST EFFECTIVE
COLD CLIMATE
NATURAL TREATMENT

Finalist:
NSAA
Innovation in
Sustainability
Award 2020

Bridger Bowl Ski Area Treatment Wetland:
Modified French Vertical Flow System
Bozeman, Montana

