

PHASE 3

On-Farm Livestock Water Remediation Using Native Wetland Plants and Alberta Cold Climate Floating Island Technology (2021 - 2023)

Floating islands with select native plant species will be deployed in 2022 on four catch basins on commercial feedlots to see if they can improve water quality to irrigation or livestock drinking water standards. Concentrations of nutrients, heavy metals and fecal indicator bacteria will be monitored. Various digital technologies will monitor weather parameters, precipitation and contaminant concentrations.

Feedlot operators could access alternative, low-cost options for treating feedlot runoff water while being environmentally sustainable.



Project
Sponsors
& Partners



**Klassen
Agriventures Ltd.**



**Penridge
Feeders Inc.**