

# Phases of Community Resilience

## RISK ASSESSMENT



- Collect baseline data on erosion, flood, permafrost thaw using community-based observations and scientific data
- Erosion, flood and permafrost modeling and engineering analyses
- Data compiled into risk assessment report for review by community members and leaders

### RESULT

Community understanding of risk

## PLANNING



- Community develops solutions to mitigate based on technical feasibility, benefits and costs of actions
- Community decides to protect-in-place, retreat and/or relocate and prioritizes related actions, resources and timelines
- Community develops Hazard Mitigation Plan (HMP) and resilience/adaptation plan with prioritization of fundable projects

### RESULT

Adaptation/resilience plan and/or HMP

## IMPLEMENTATION



- Community manages construction project implementation by working with local or outside project management contractors
- Community acquires and manages project funding
- Community drives project design
- Construction using local workforce

### RESULT

Reduced risk to environmental threats