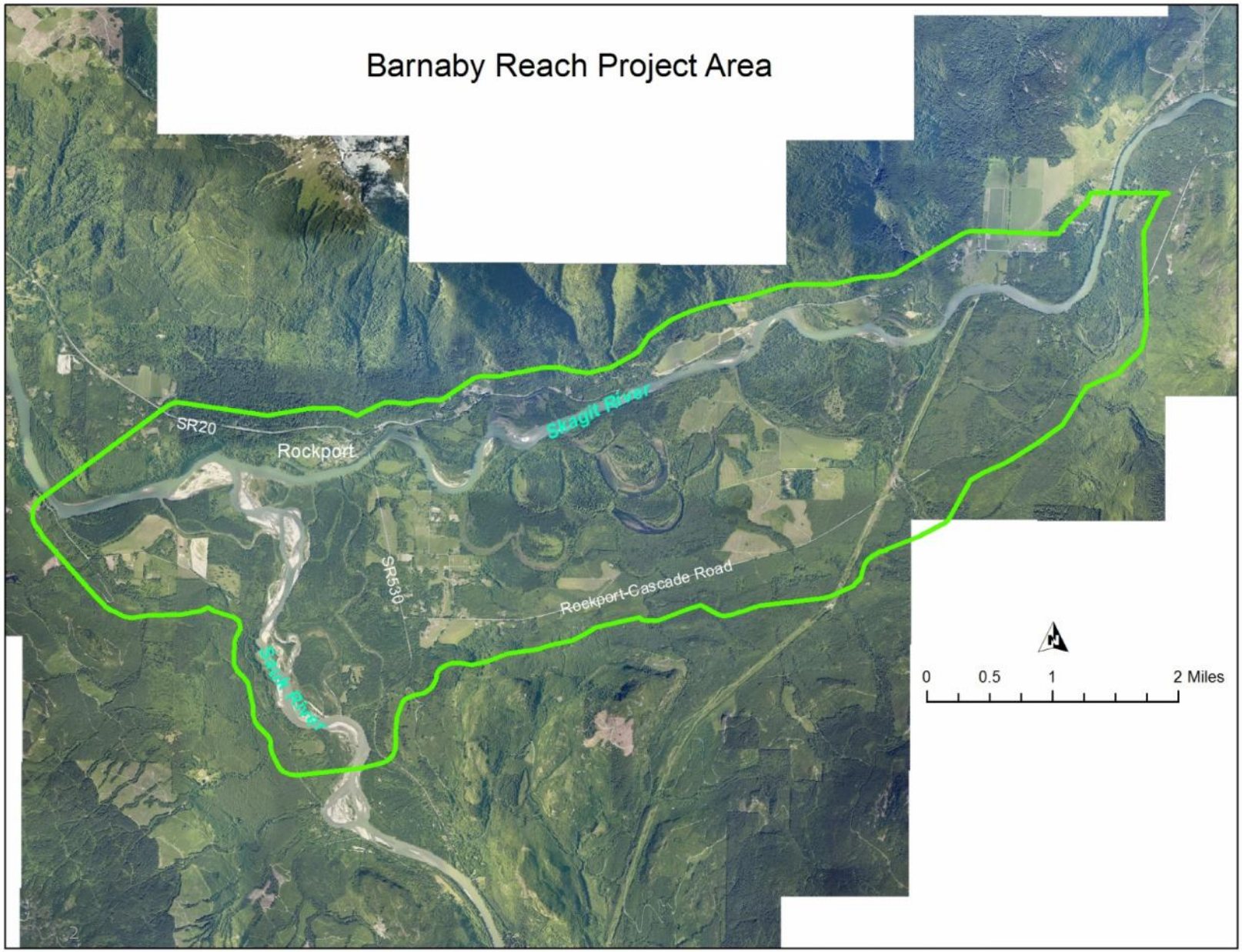
Introduction to project


Barnaby Reach Project Area
SR20
Rockport
Skagit River
SR530
Rockport-Cascade Road
Sauk River
0
0.5
1
2 Miles

Completed data collection

- New topography and bathymetry
  - Green LiDAR
  - Selected ground survey
- Groundwater and surface water loggers (17 sites)
  - Dry season and wet season for all sites
- Sediment sampling along sloughs and river
  - Erosion/avulsion potential
  - Age of landscape features
- Culvert/roadway surveys
- Survey heights for past floods including Nov 2017
  - Community records

Existing Conditions

- South Rockport drainage evaluation
- Hydraulic model
  - Includes expanded area of Skagit River and also lower Sauk River
  - Considers tributary inputs
  - Separate groundwater analysis
  - Will be calibrated with 2003 flood and validated with 2006 flood
  - Includes a broad range of flows including very low flows and catastrophic/climate change flows
- Geomorphology
  - Understanding erosion, channel changes and role of large log jams
- Habitat for multiple fish and wildlife species
- Stakeholder and community involvement
- Completed prior to alternative analysis

Schedule

- Dec 2017 — Results from local flood and drainage study (tonight!)
- Jan--April 2018 — Existing conditions analysis
  - Groundwater
  - Hydraulic Model
  - Geomorphology
- July- Dec 2018 — Develop and analyze project alternatives
- 2019 — Design and permitting
- 2020 — Project construction starts

South Rockport drainage study

- Community residents reported localized flooding, drainage, and problems with culverts
- Drainage study
  - Localized flooding related to roads and culverts
  - Road access during floods and drainage after flood events
  - Identify possible projects to reduce problems
- Questions about larger scale flood risks addressed in upcoming analyses

Illabot creek

- Public meeting February 15th