

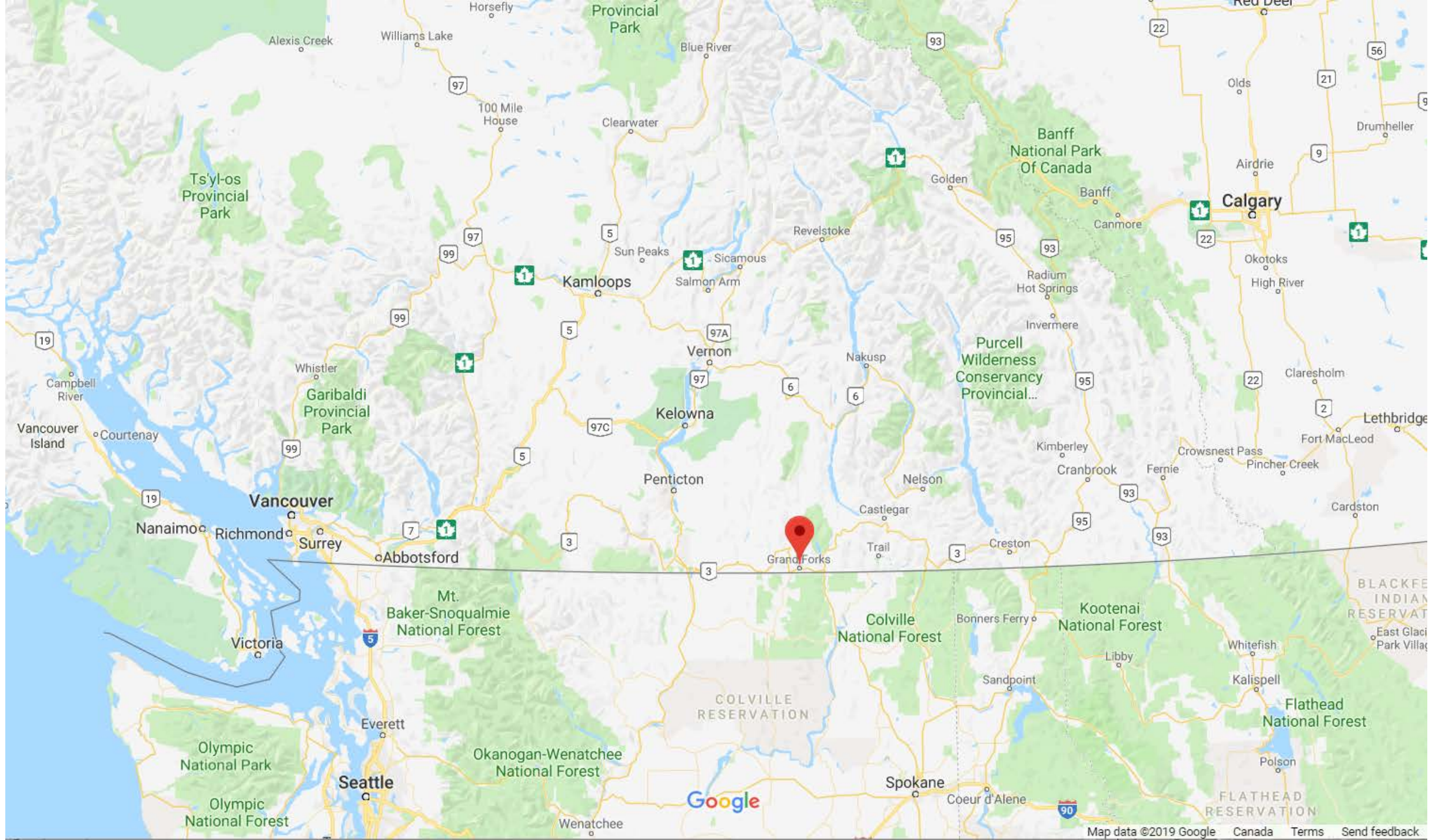
Adaptation focus in a small community: Grand Forks Recovery to Resilience after the 2018 Freshet

February 19, 2020

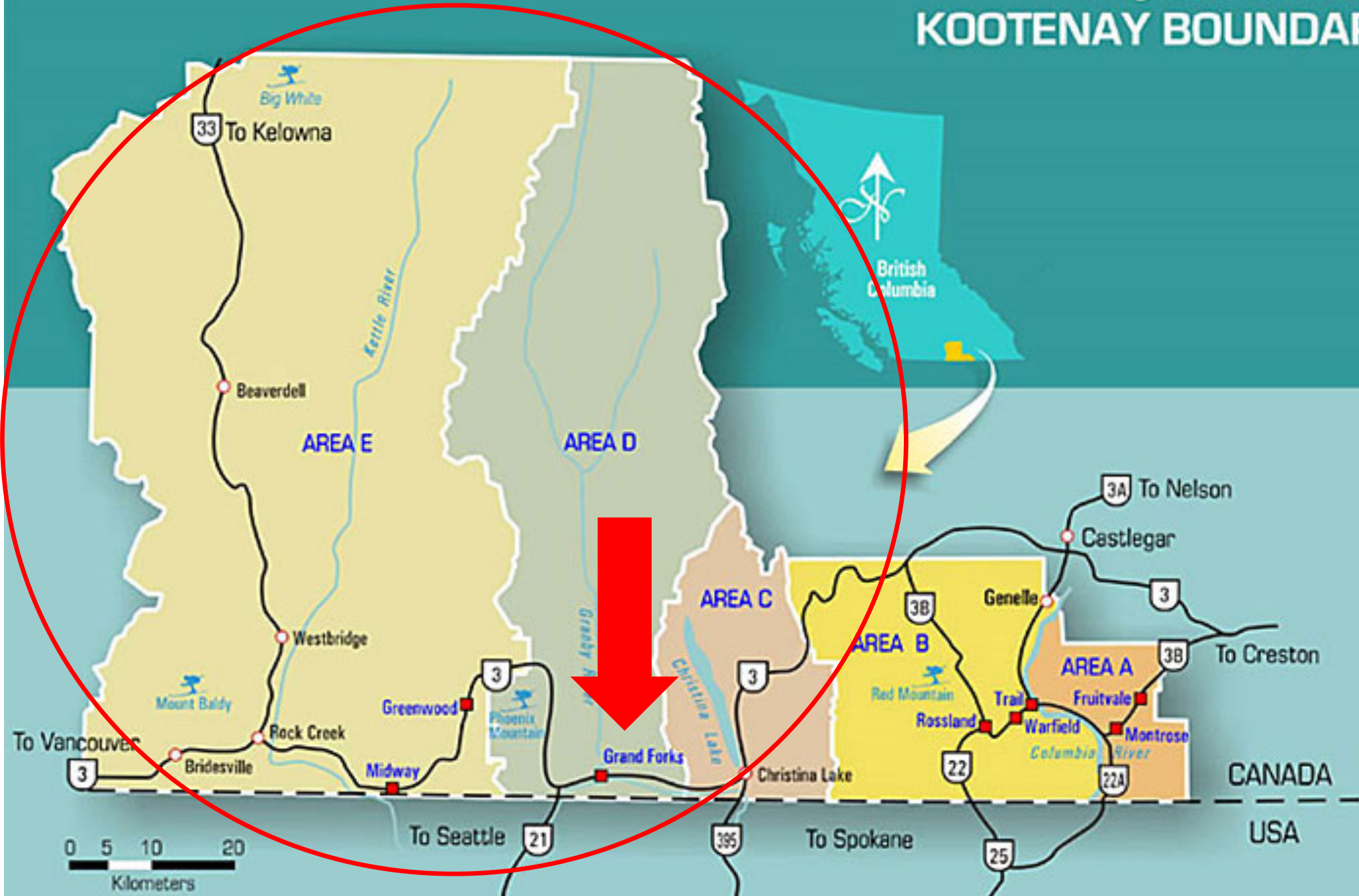
Graham Watt

City of Grand Forks





Regional District of KOOTENAY BOUNDARY





Grand Forks

Population: 4000+, rural 3000+

Staff: 13-15 inside, 25-30 operations

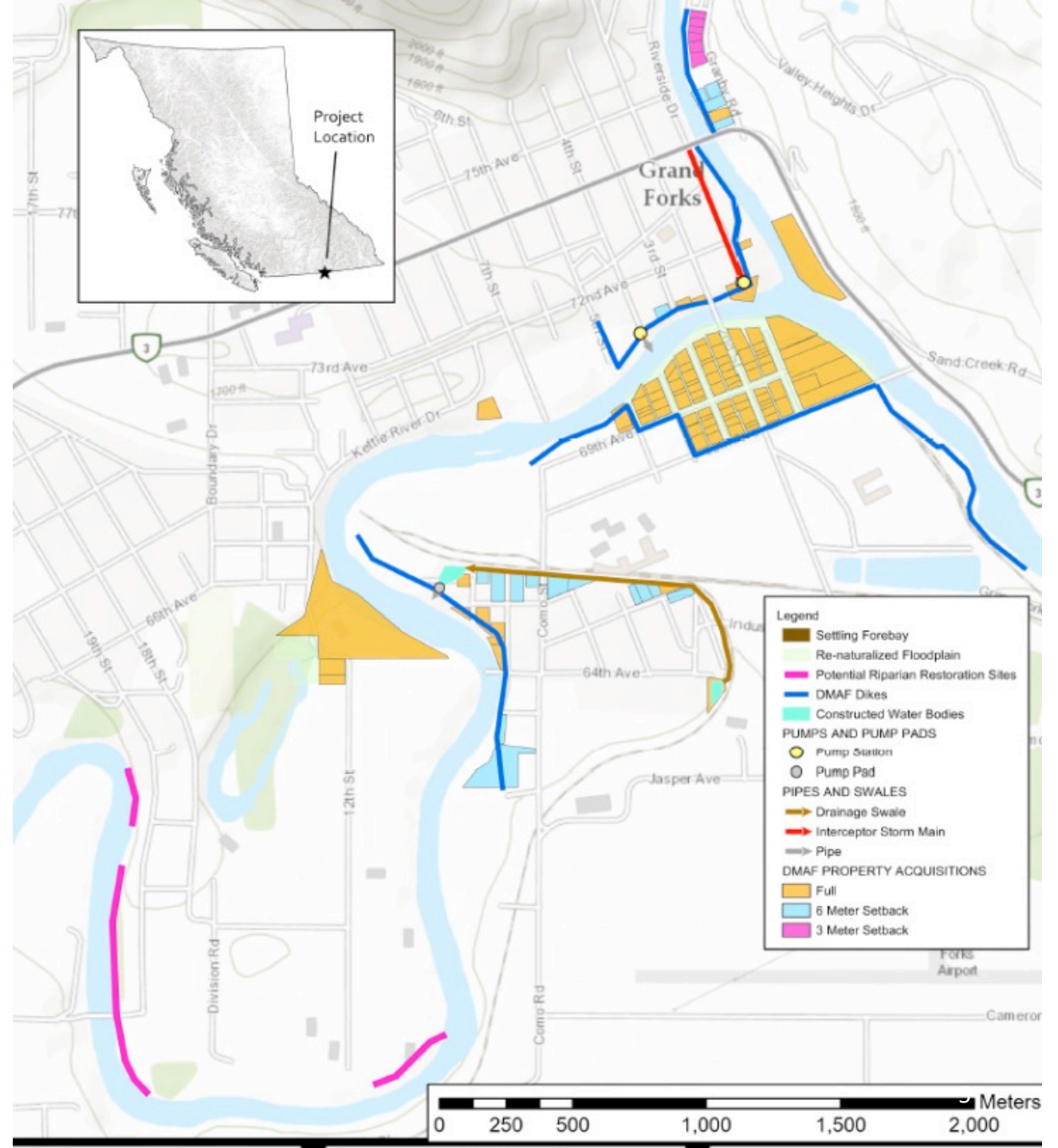
Budget: \$14m “normal”

Climate stress: increased flood severity

Adaptation in focus: restoring functional floodplains

Flood Mitigation Works

- Diking to protect critical infrastructure, downtown, industry
- Stormwater main improvements
- Purchase of 90+ properties
- Floodplain restoration
- Rural bank & floodplain restoration



Floodplain resilience measures

- New Flood Construction Level, setbacks
- 'Build-to' lines
- Lot size, subdivision standards
- Development permit requirements
- Mapping, public demarcation of flood zone