ALBERTA TRANSPORTATION GRMP 2018 Bi-annual Review Meeting



Peace / High Level Districts
Highway 2 East Hill Sites
Geo-referenced Photos + Historical Sat Imagery





Peace River Region - Highway 2 - East Hill

- Site area directly east of the Town of Peace River
- Multiple sites within a 4 km segment of the Highway running along on the southfacing wall of the Heart River Valley.
- Widespread and highly active mass wasting processes that include channelized erosion, earth flows, deep and shallow landslides within colluvium and glaciolacustrine sediments (Glacial Lake Matthews).



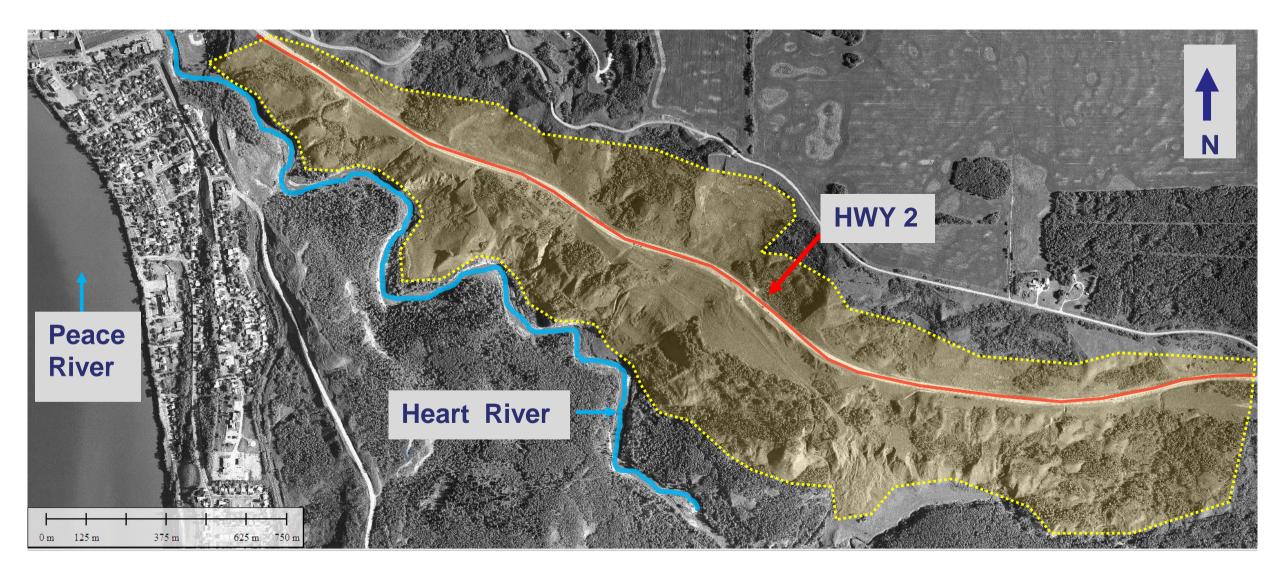






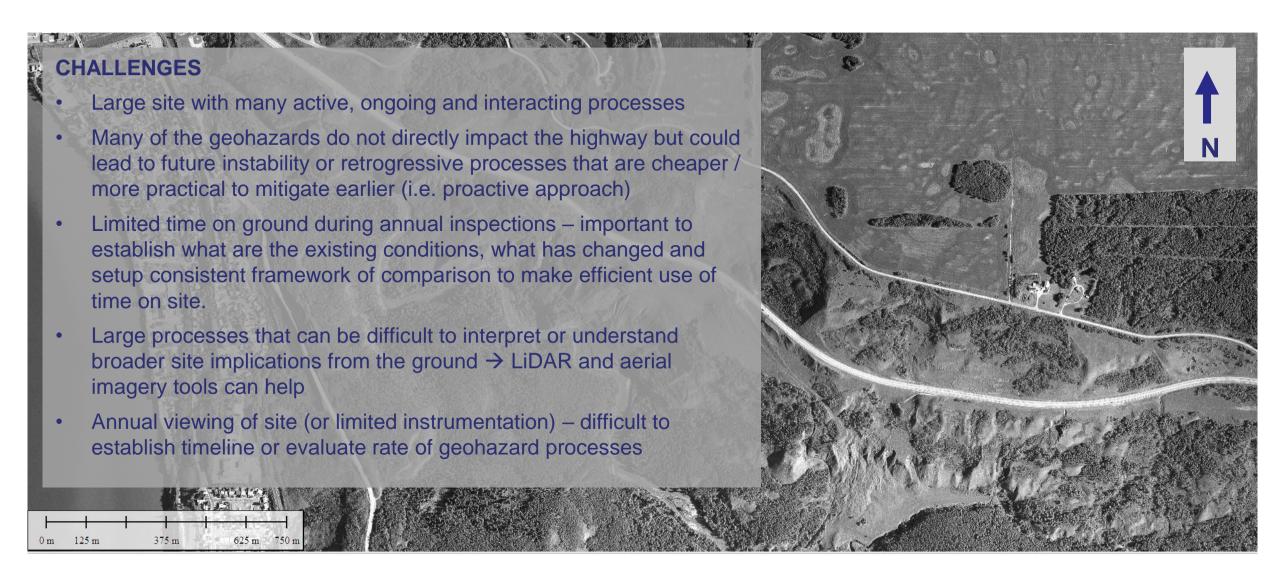












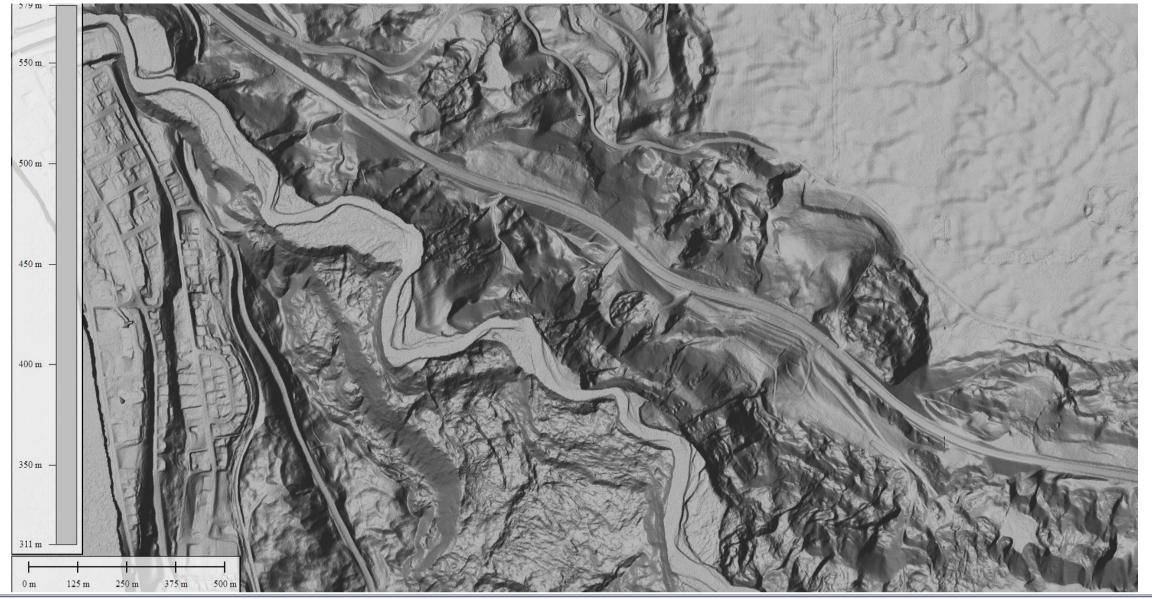






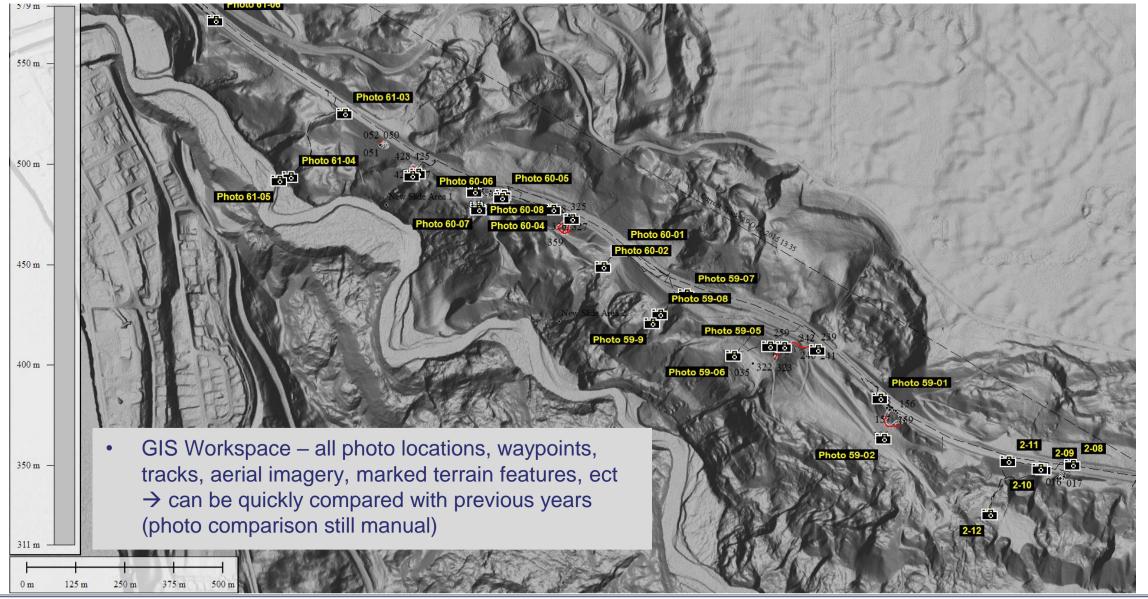








































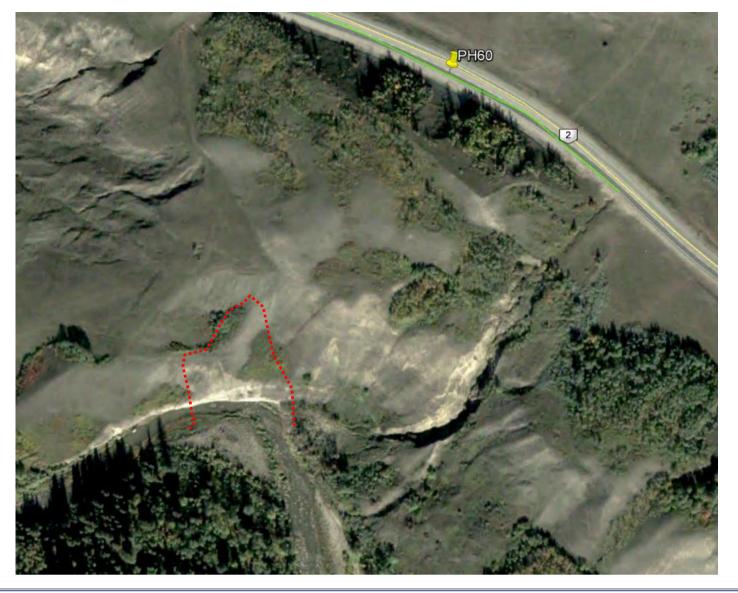






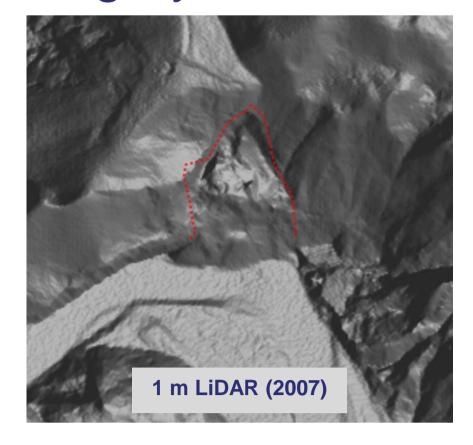






















































Conclusions

- Comparison methodology used in the development of the site plan with focus on areas that have observable rates of activity and/or future potential to cause instability or hazard to the highway
- Combination of LiDAR and satellite/aerial imagery allows broader view of site processes
- Historic imagery provides better context to the development process and rate of mass waste events
- Helps create target areas for next year and guide the inspection process, esp. for future inspectors
- Process could be refined with new technology and more frequent data gathering (e.g. drone survey)

