Slope Indicator Installation and Monitoring

46th BCGWA Convention, Trade Show & AGM
Kamloops, BC
March, 2017
Slope Indicators

- Installed in boreholes within the slide extents.
- Typically consists of ABS pipe with four machined internal longitudinal grooves at 90° offsets.
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Slope Indicator Monitoring

- Originally read with inclinometer probe containing two servo-accelerometers that measure the inclination of the probe travelling in the machined grooves.
- A baseline reading is taken and all subsequent readings are compared to it.

Monitoring results:
- depth of slide surfaces.
- direction of movement.
- Magnitude and rate of movement.
Slope Indicator Monitoring
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Challenges & Lessons Learned

CONSTRUCTION RISK MATRIX

- SARA Species with Defined Critical Habitat
- SARA and Provincially Listed Species
- BCR Priority Species
- Migratory Birds (All Species)

Increasing Regulatory Risk

Migratory Bird Breeding Window

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Questions?