Aquifer Vulnerability Assessment
Shoreacres and Area I/H (#0514)
Groundwater supply for:

• Shoreacres
• Playmoe Junction
• Crescent Valley
• Voykin Subdivision

Photo Courtesy of: Abby Wilson https://westkootenayhiking.ca/slocan-kootenay-lookout/
DRASTIC Inputs

The name DRASTIC represents each of the seven input parameters:

- **Depth to Water Table**
- **Recharge (net)**
- **Aquifer Media**
- **Soil Media**
- **Topography**
- **Impact of Vadose Zone**
- **Conductivity (Hydraulic) of Aquifer**
Study Limits
Groundwater Wells
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DRASTIC Output

DRASTIC Vulnerability Index

DRASTIC RATING
- Yellow: 100 - 160
- Red: 190 +
Approach for Qualitative Assessment of Risk in Groundwater Sources

\[\text{RISK} = \text{PATHWAY} + \text{RECEPTOR} + \text{THREAT}\]

1. No Threat = No Risk
2. No Pathway = No Risk
3. No Receptor = No Risk

DRASTIC mapping

The people!
Examples of Groundwater at Risk

A) Private Wells

B) Pits and Quarries

C) Construction Activity

D) Buried Infrastructure & Abandoned Well