



WASID

***Aquifer Vulnerability Assessment
Shoreacres and Area I/H (#0514)***



Groundwater supply for:

- Shoreacres
- Playmor Junction
- Crescent Valley
- Voykin Subdivision



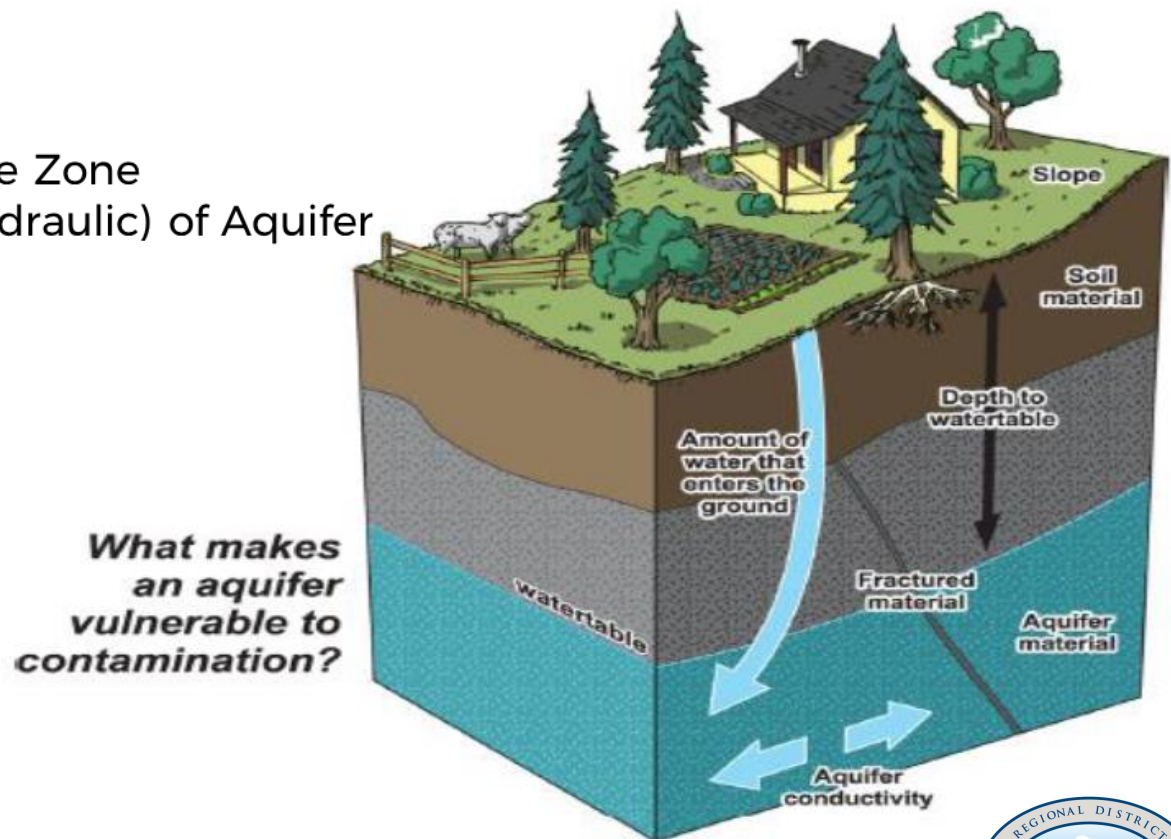
Photo Courtesy of: Abby Wilson <https://westkootenayhiking.ca/slocan-kootenay-lookout/>



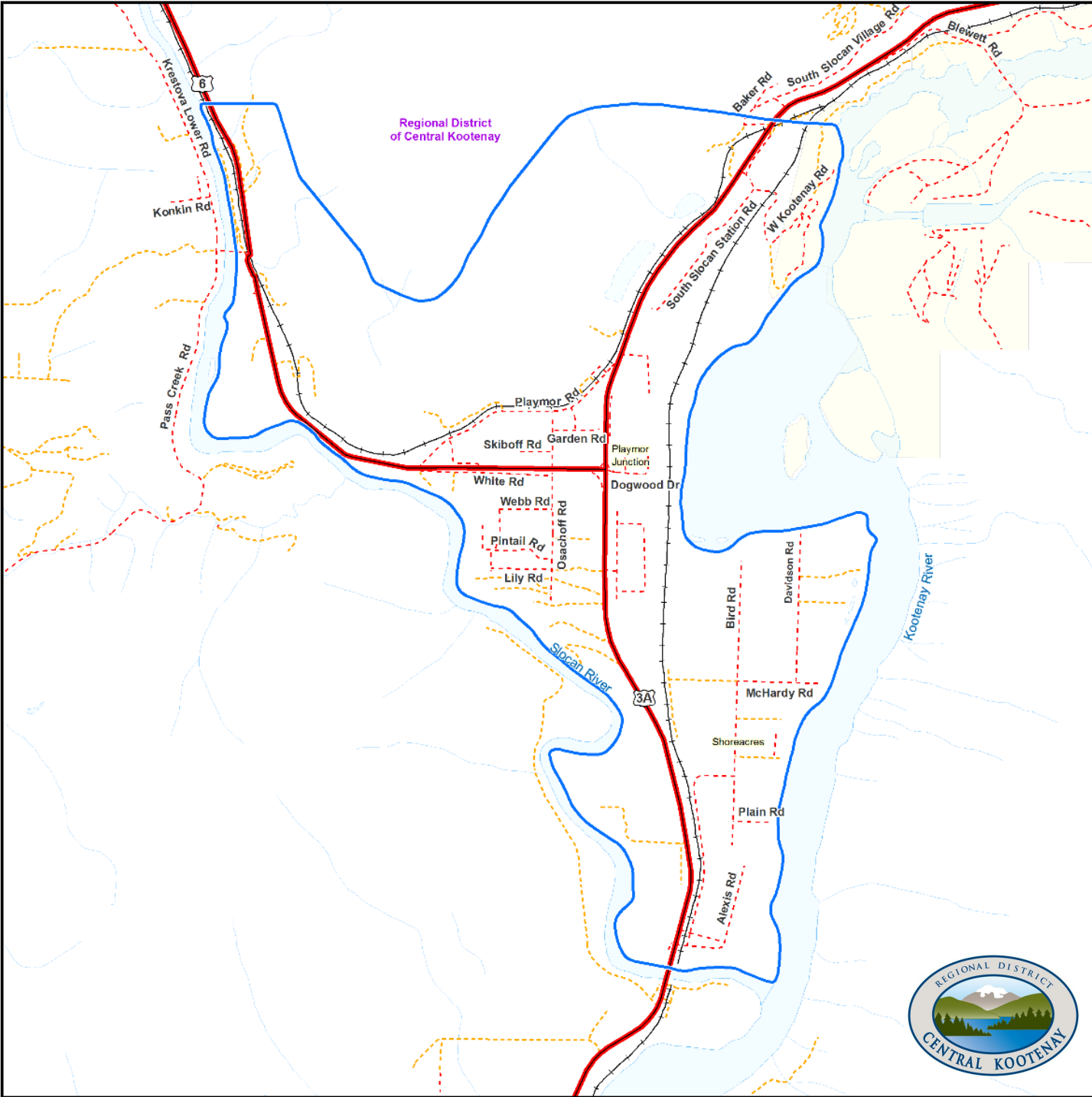
DRASTIC Inputs

The name DRASTIC represents each of the seven input parameters:

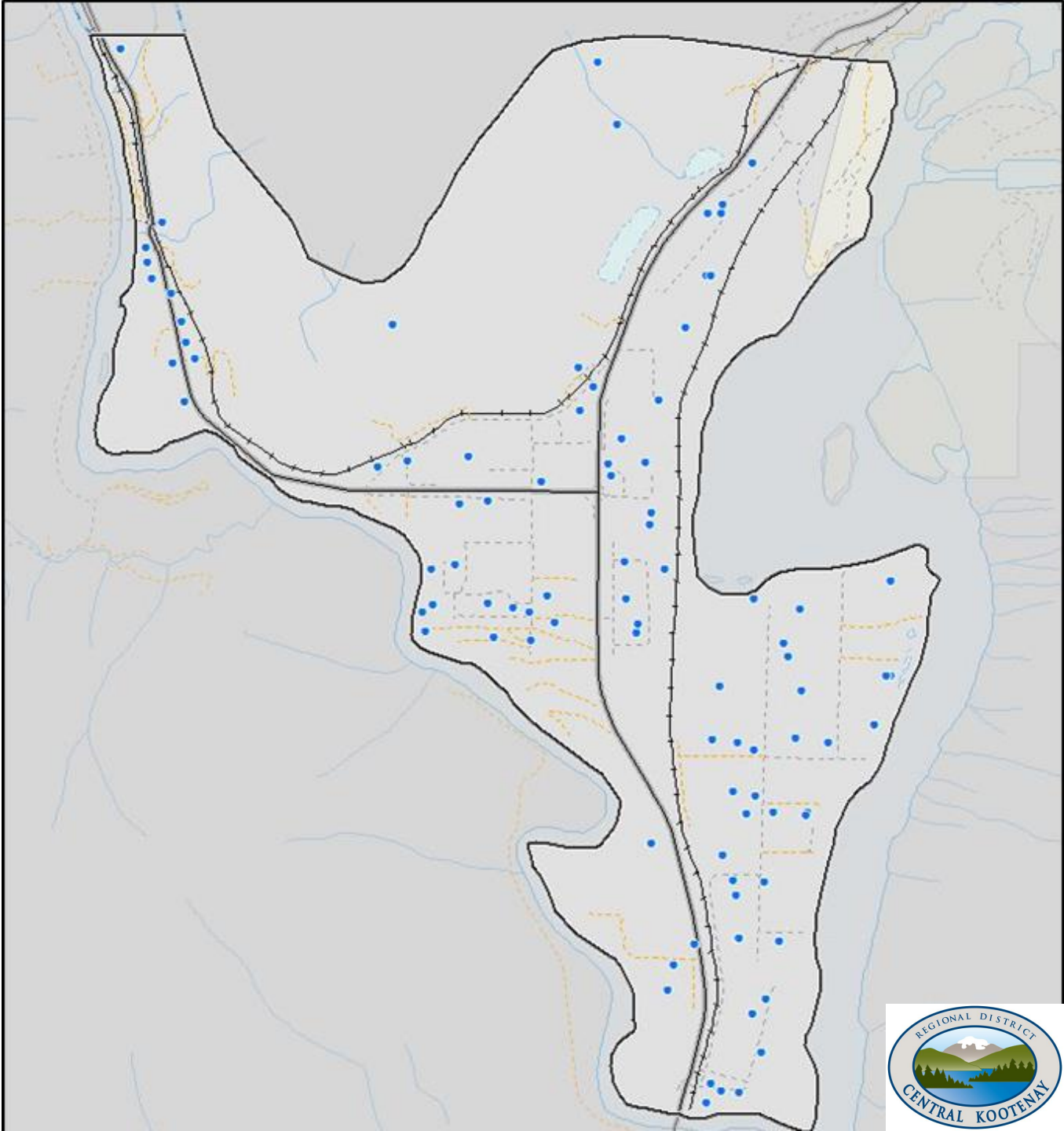
- **D**epth to Water Table
- **R**echarge (net)
- **A**quifer Media
- **S**oil Media
- **T**opography
- **I**mpact of Vadose Zone
- **C**onductivity (Hydraulic) of Aquifer



Study Limits



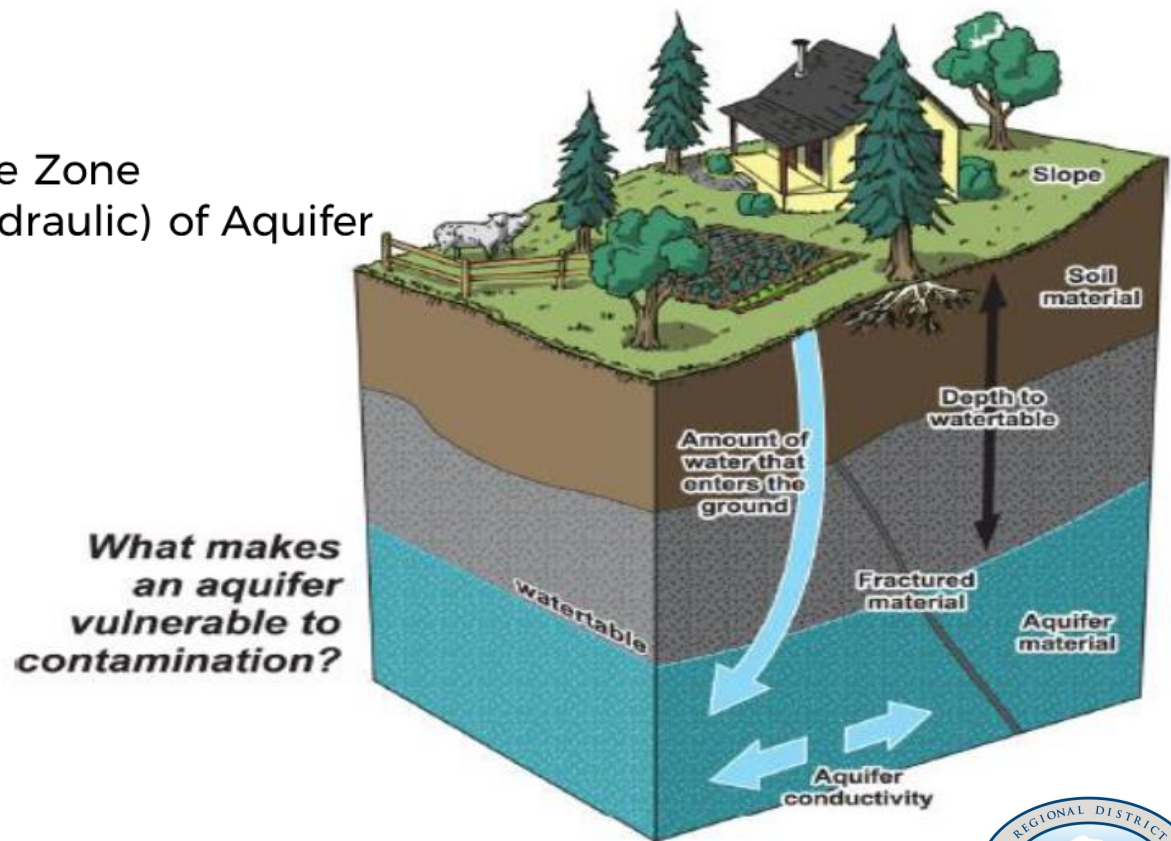
Groundwater Wells



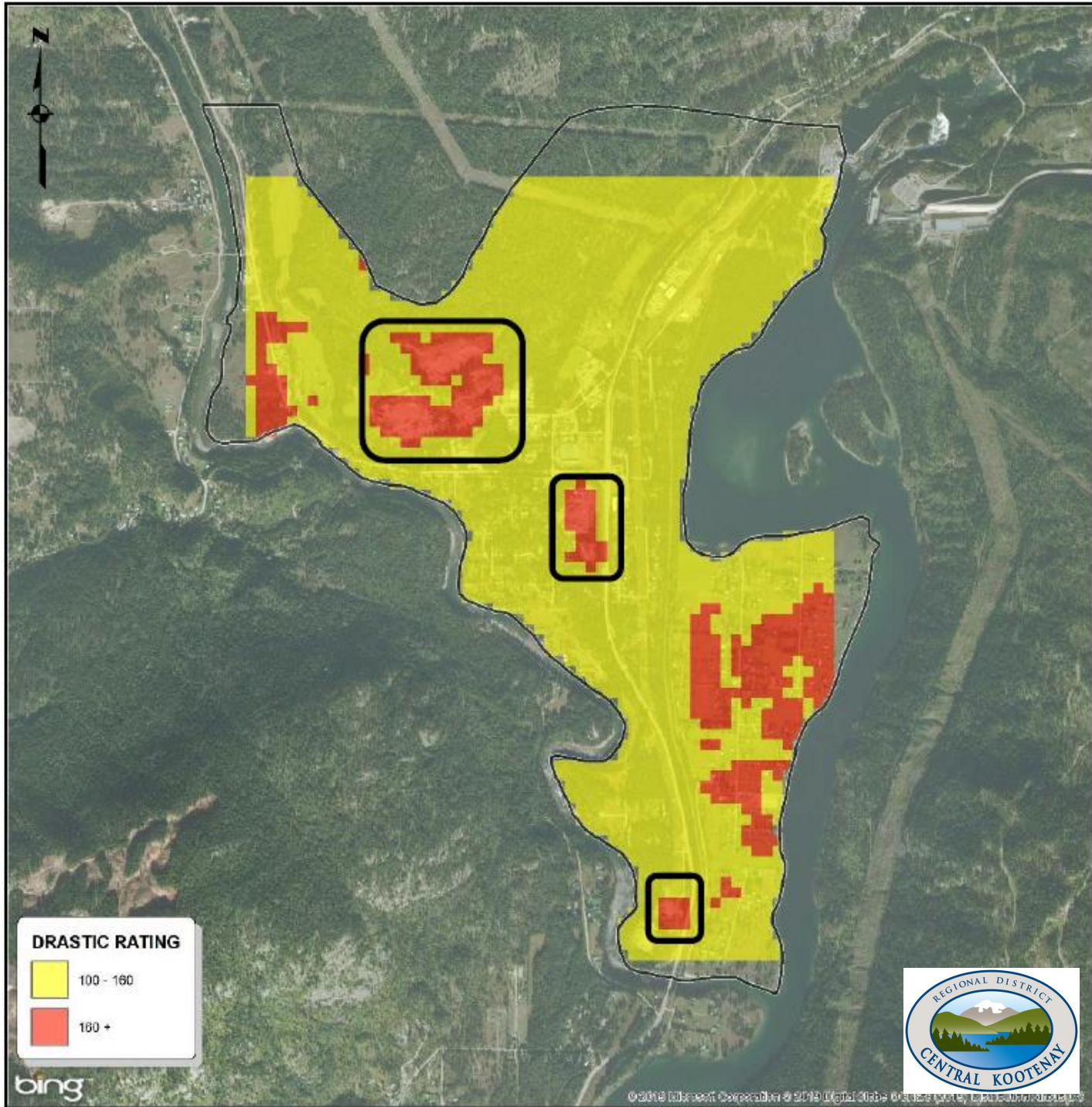
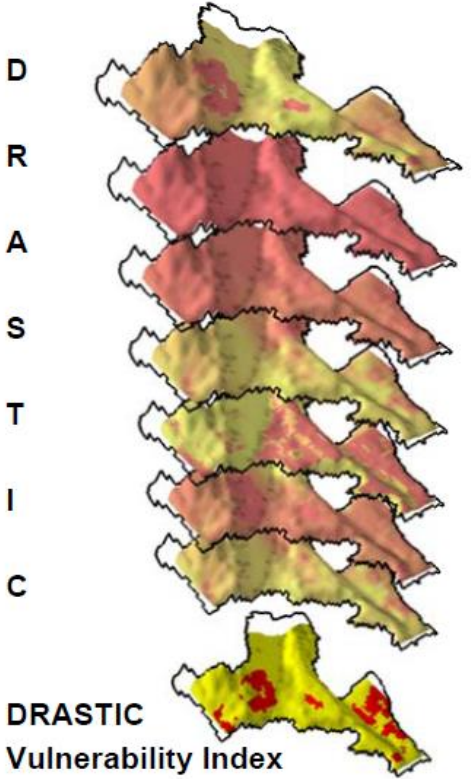
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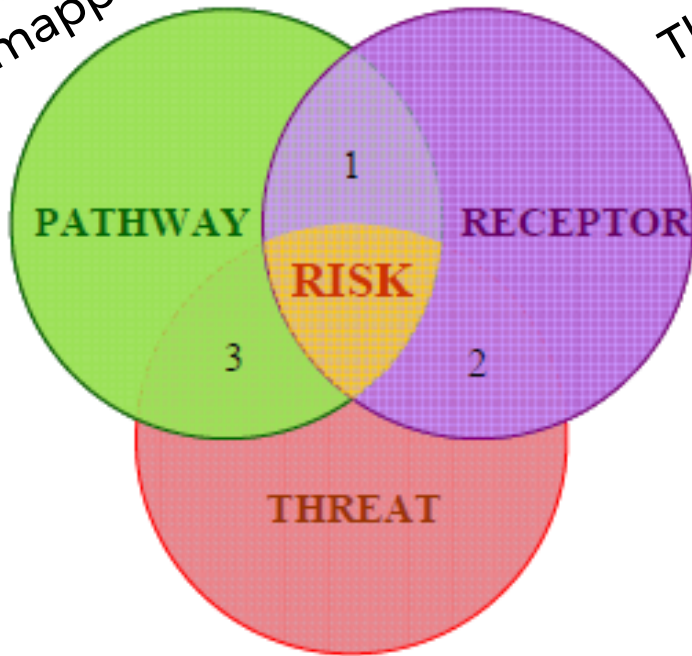
DRASTIC Output



Approach for Qualitative Assessment of Risk in Groundwater Sources

DRASTIC
mapping

The people!

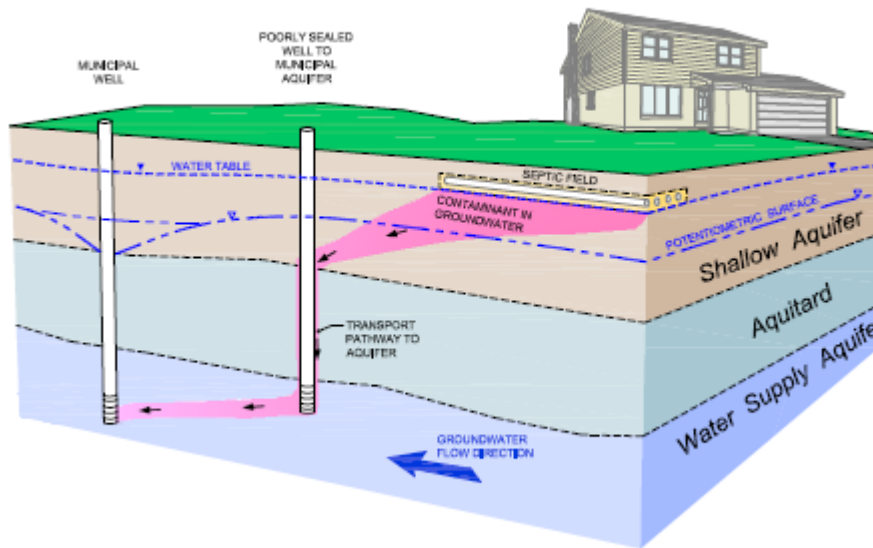


$$\text{RISK} = \text{PATHWAY} + \text{RECEPTOR} + \text{THREAT}$$

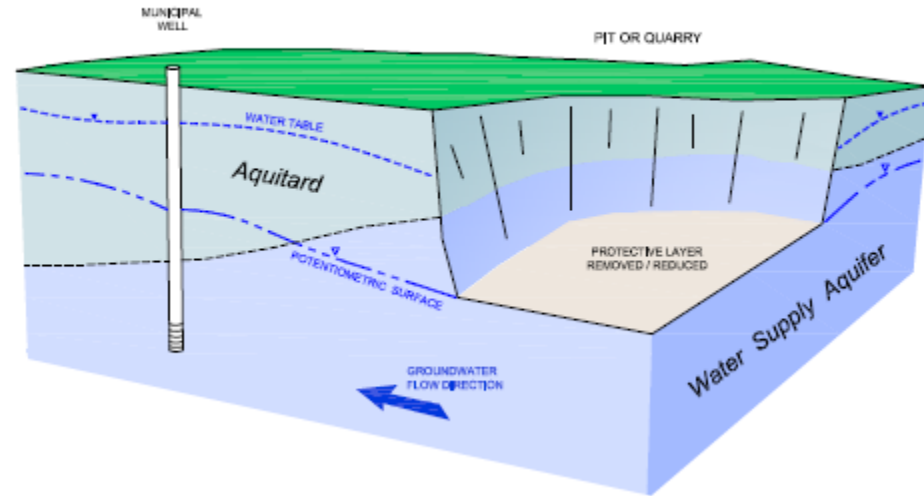
- 1: No Threat = No Risk
- 2: No Pathway = No Risk
- 3: No Receptor = No Risk

Examples of Groundwater at Risk

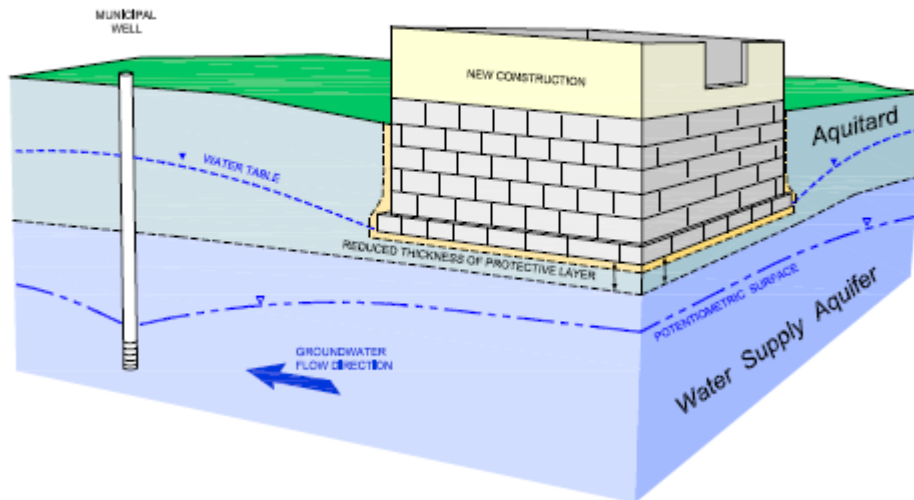
A) Private Wells



B) Pits and Quarries



C) Construction Activity



D) Buried Infrastructure & Abandoned Well

