

HAZARDS

MAPPING
THE RISKS
OF CLIMATE
CHANGE

KLUANE REGION EDITION



LIFE IN THE NORTH
IS CHANGING...



YUKON, CANADA

THAWING PERMAFROST
IS AFFECTING ROADS...

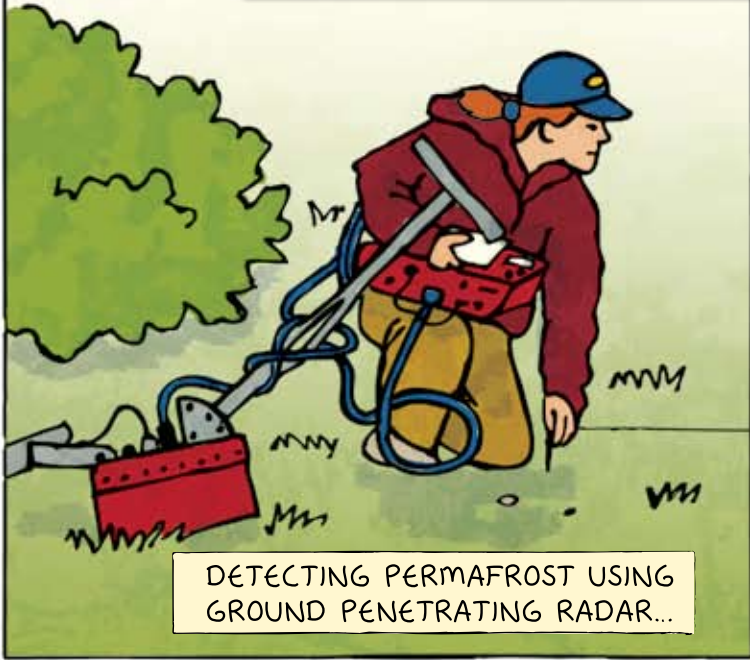


AND BUILDINGS.

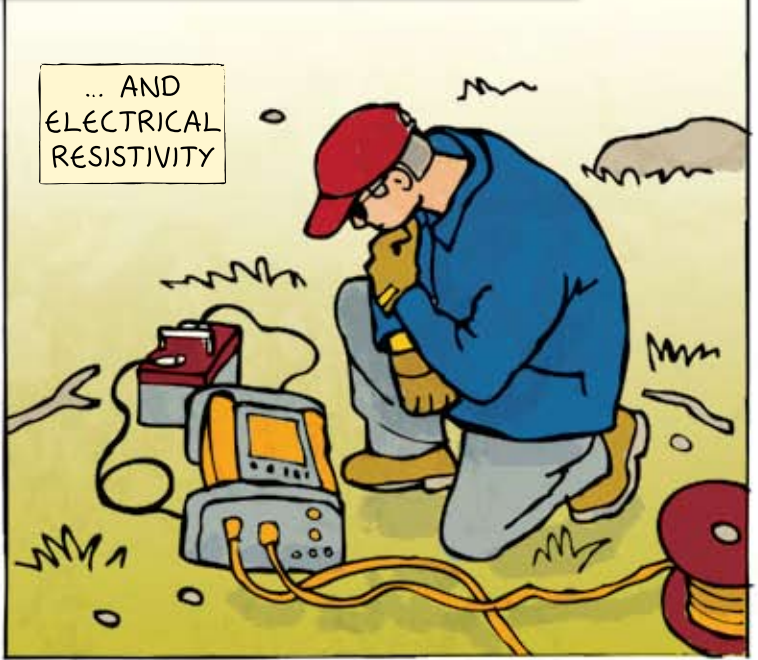


Northern Climate ExChange
YUKON RESEARCH CENTRE • Yukon College

OUR TEAM GATHERS DATA TO CREATE A MAP OF LANDSCAPE HAZARDS...



DETECTING PERMAFROST USING GROUND PENETRATING RADAR...



... AND ELECTRICAL RESISTIVITY



DRILLING PERMAFROST CORE SAMPLES



DOING SURFICIAL GEOLOGY FIELDWORK

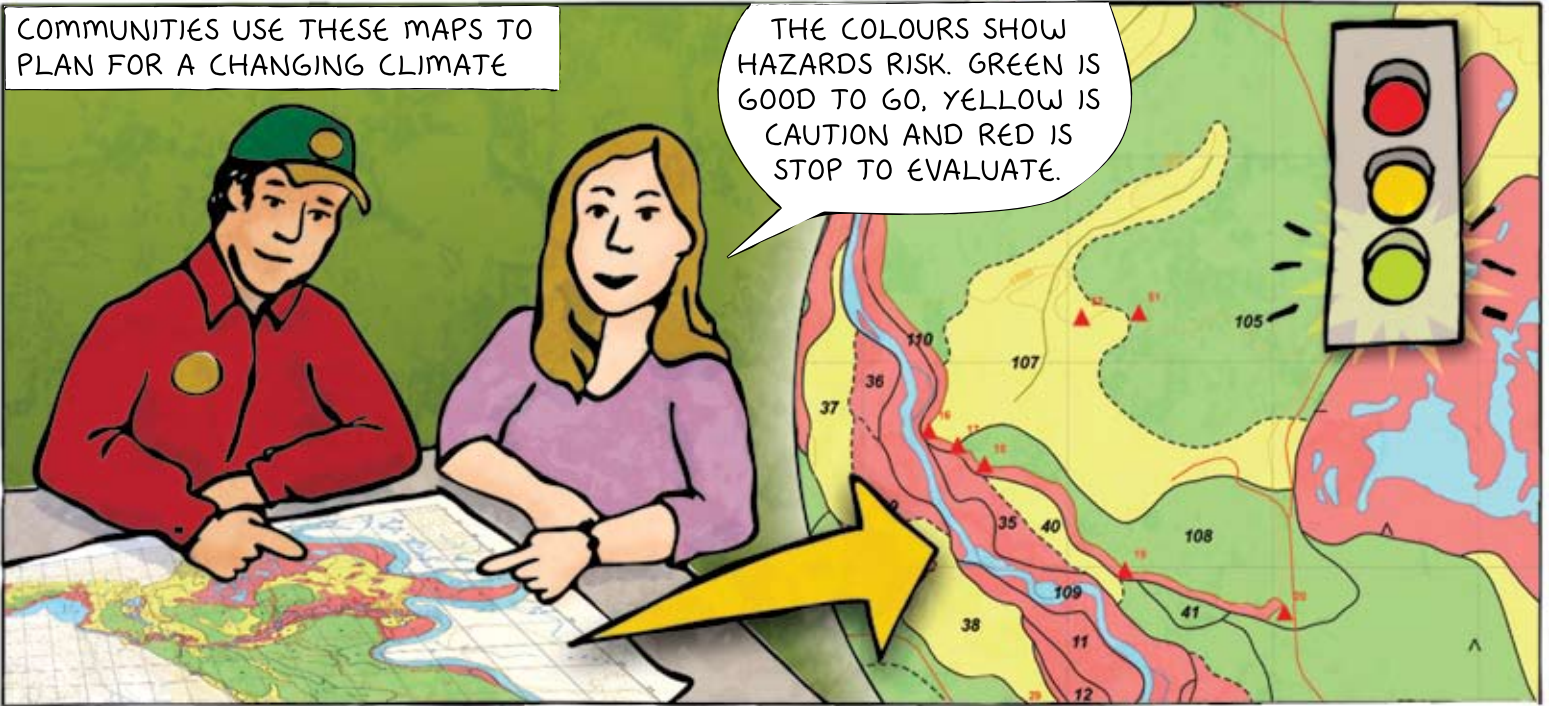


PROBING PERMAFROST

THIS RESEARCH HELPS US TO UNDERSTAND PERMAFROST.

COMMUNITIES USE THESE MAPS TO PLAN FOR A CHANGING CLIMATE

THE COLOURS SHOW HAZARDS RISK. GREEN IS GOOD TO GO, YELLOW IS CAUTION AND RED IS STOP TO EVALUATE.



THANKS TO OUR MAPS, THE KLUANE FIRST NATION WIND ENERGY PROJECT HAS BEEN ADAPTED FOR CONSTRUCTION ON PERMAFROST.

OUR QUICK RESULTS YIELD INSTANT BENEFITS TO THE COMMUNITIES!



HAZARDS RESEARCH MATTERS TO:
FIRST NATIONS
CONSULTANTS
ENGINEERS
PLANNERS
DECISION-MAKERS
RESIDENTS

CLIMATE CHANGE RESEARCH

TEAMING UP FOR CHANGE



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★ = MAPS COMPLETED
★ = MAPS COMING BY MARCH 2015



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