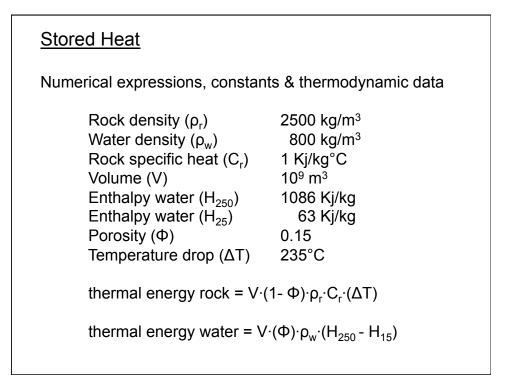
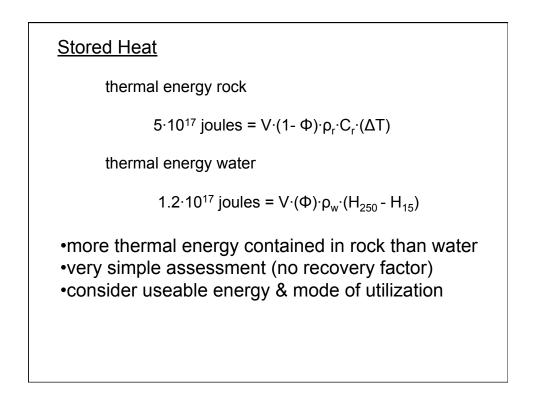
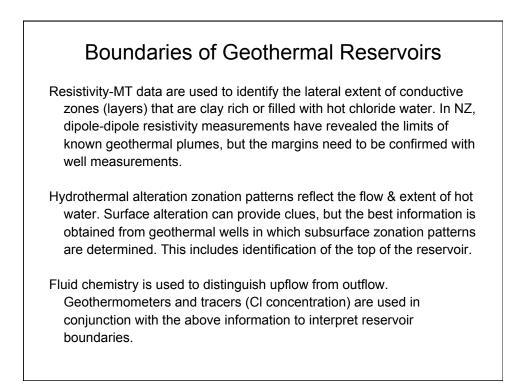
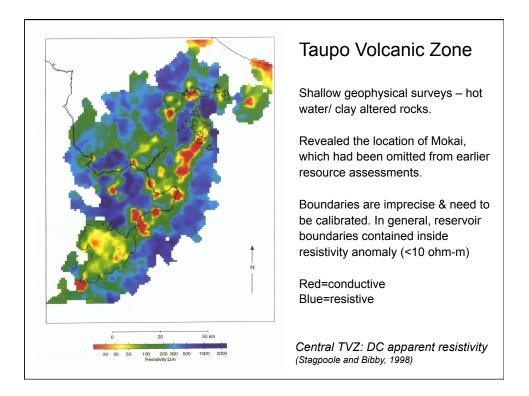


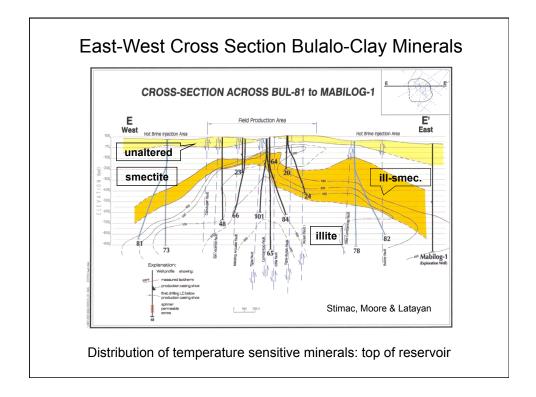
Stored Heat	
Volumetric assessment of the total amount of heat stored in a reservoir	
Need to know reservoir volume, porosity and temperature	
Estimate the proportion of exploitable heat-Recovery factor	
Consider simple example:	
1 km³ 250°C 15°C 15%	reservoir volume reservoir temperature reject temperature porosity (water filled)

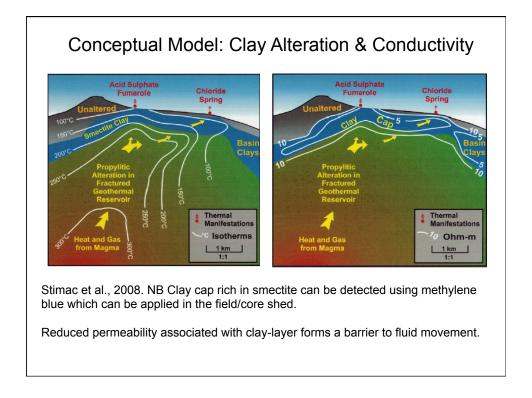


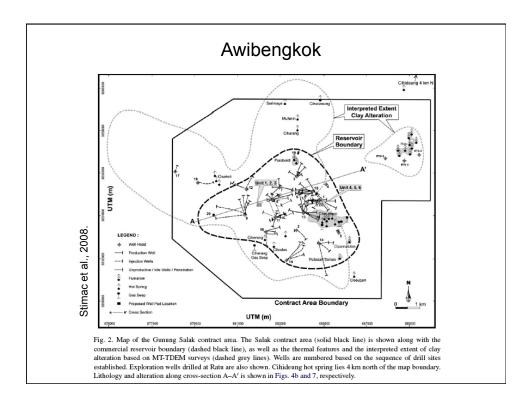


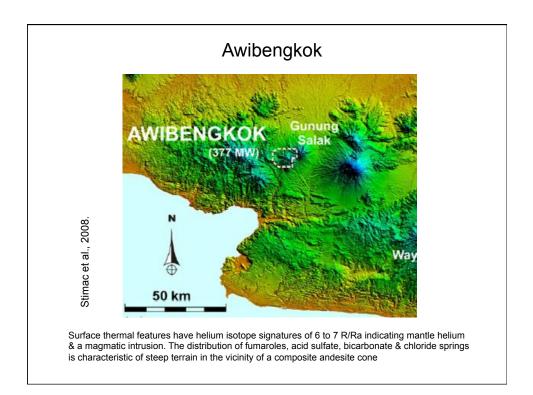


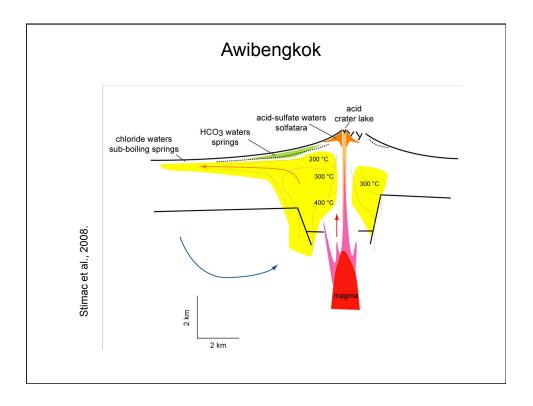


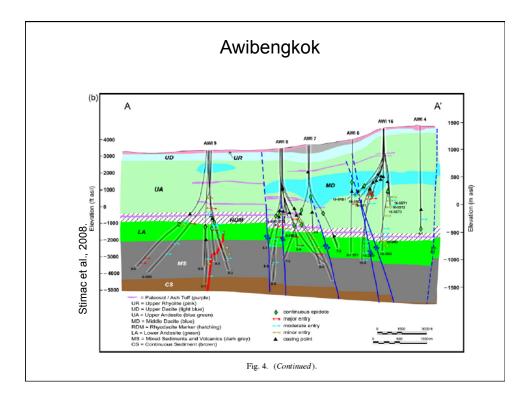


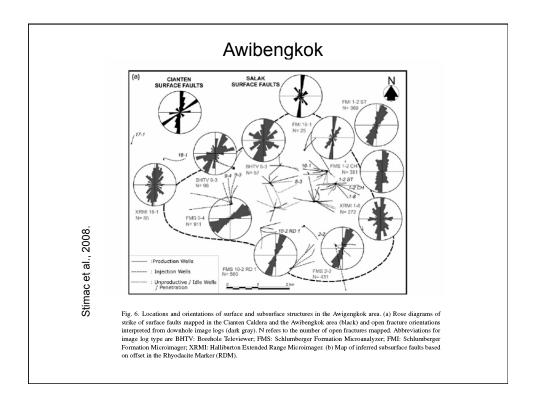


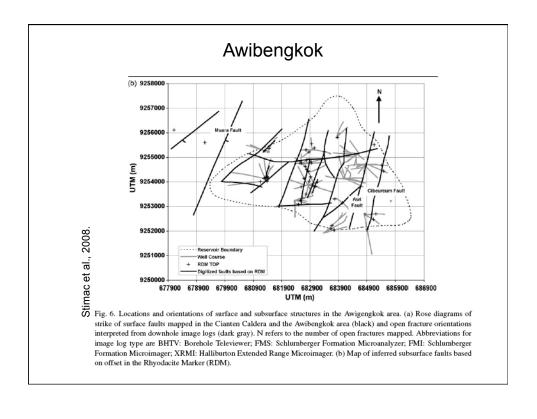


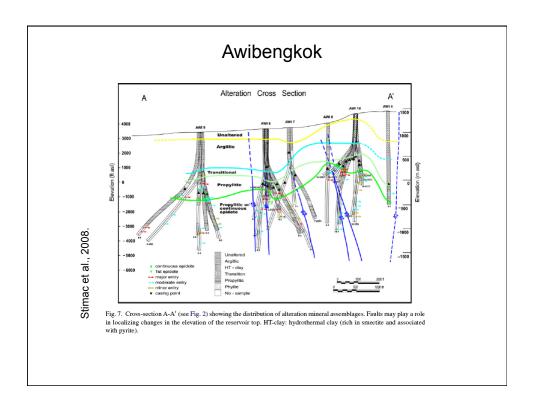


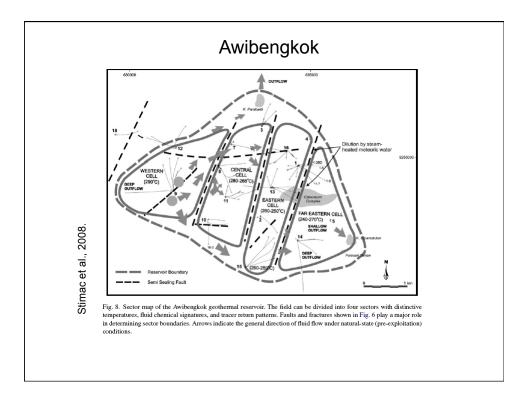


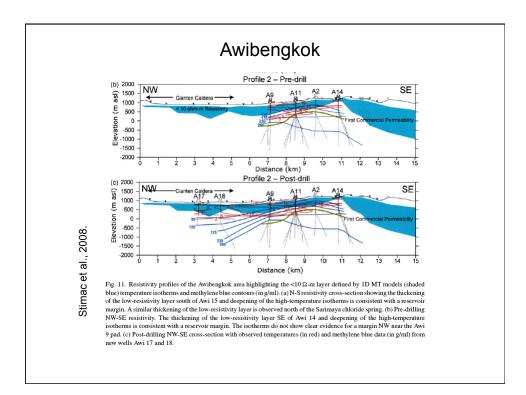


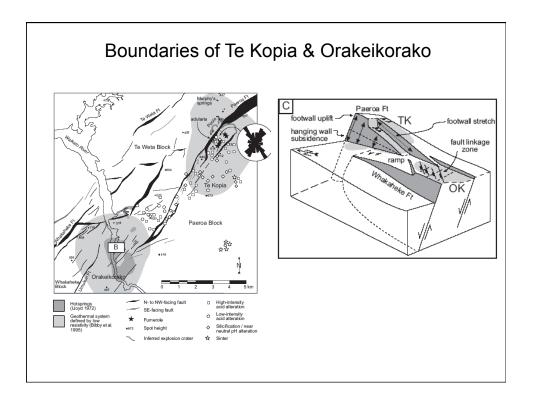


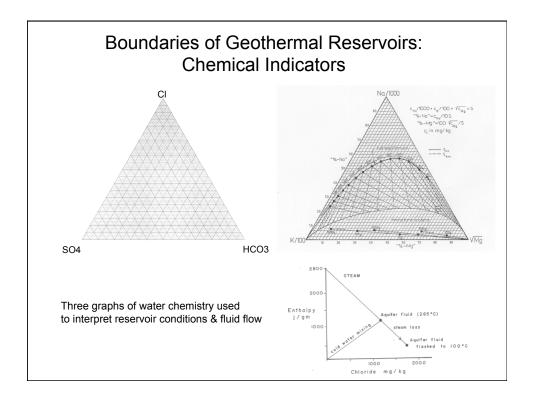


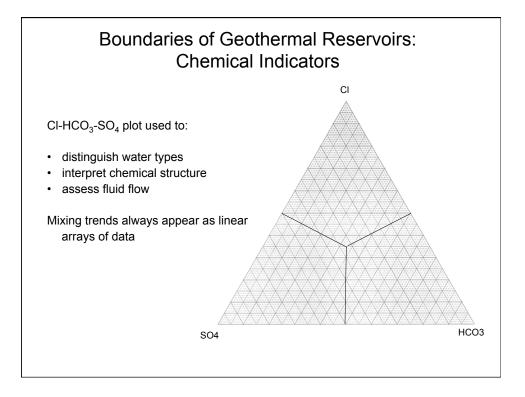


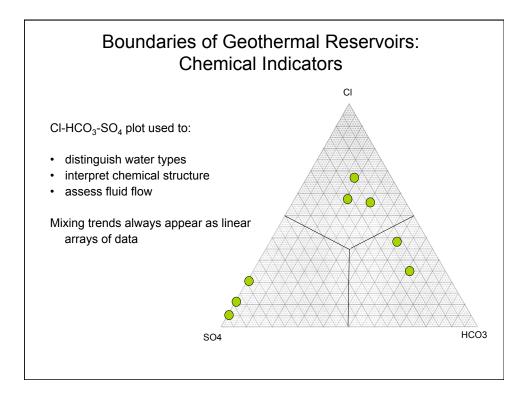


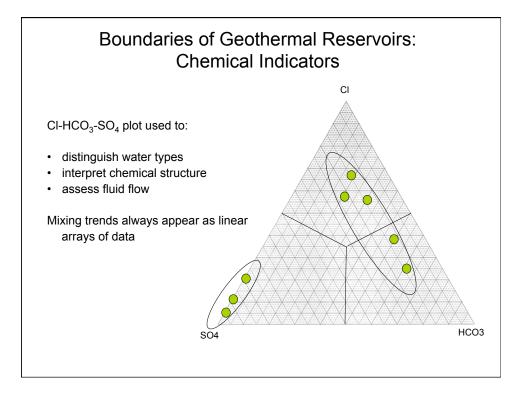


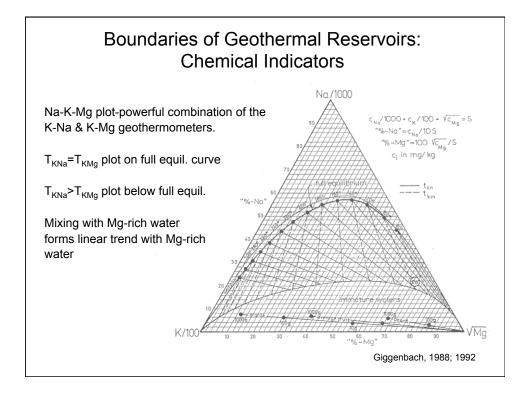


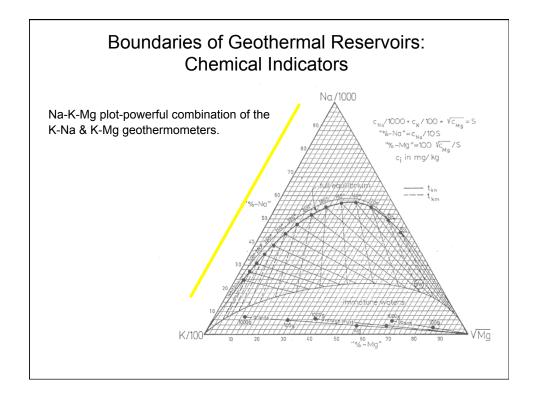


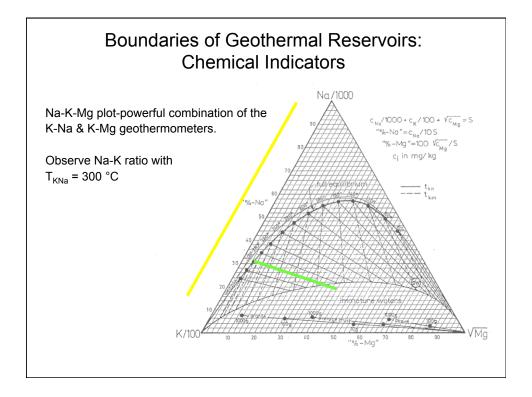


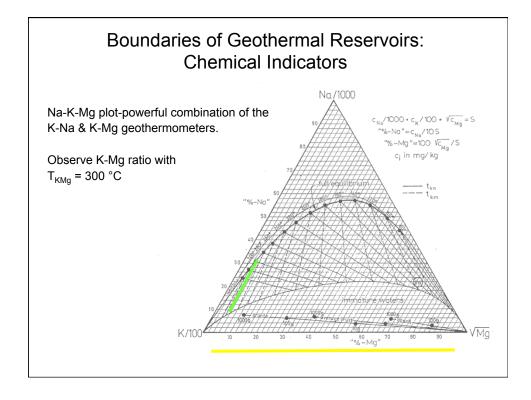


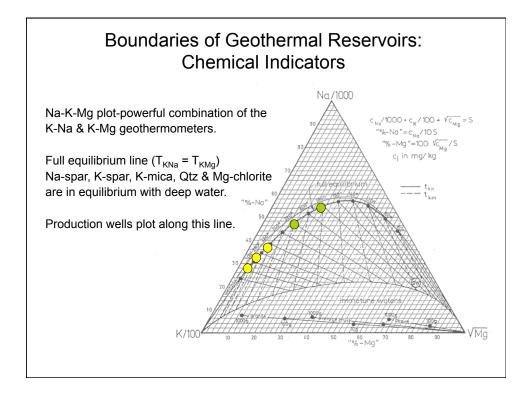


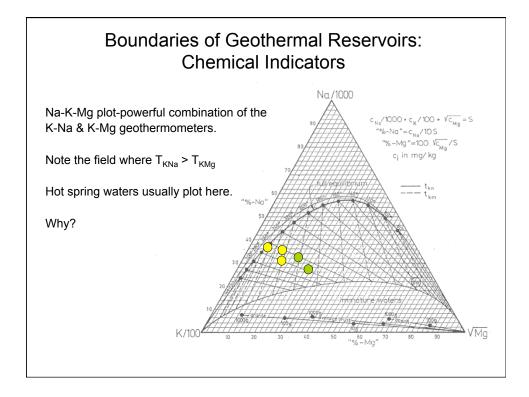


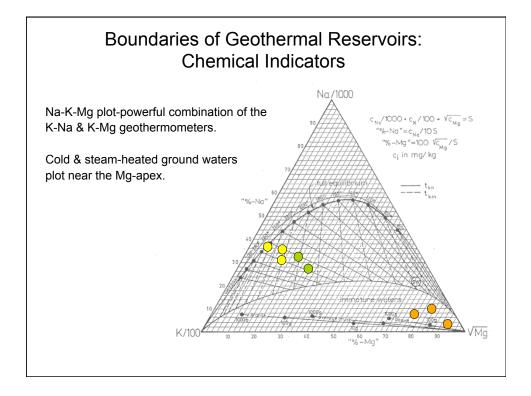


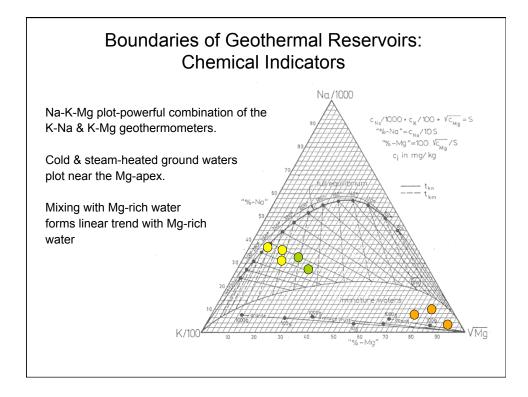


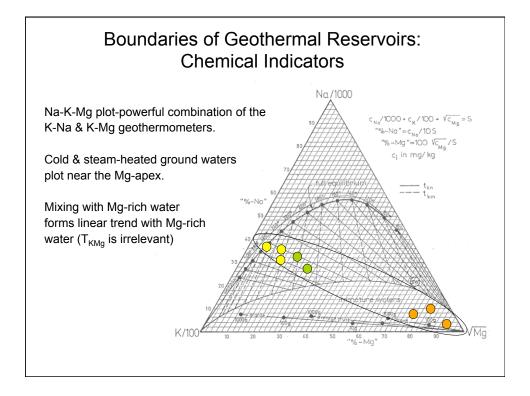


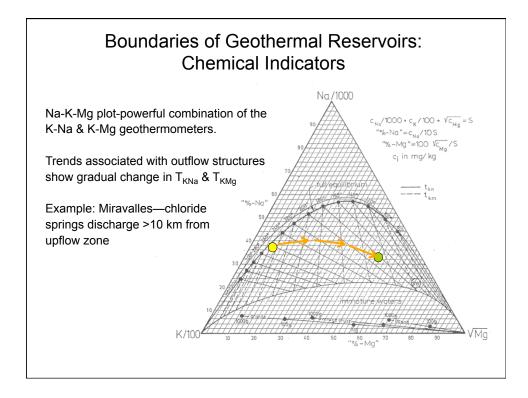


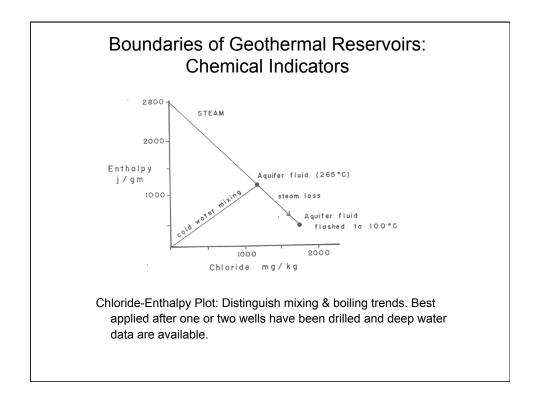


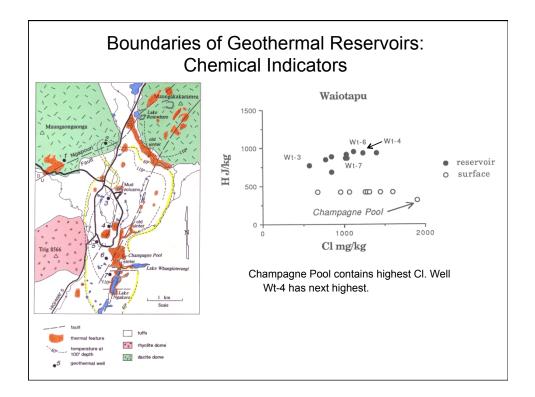


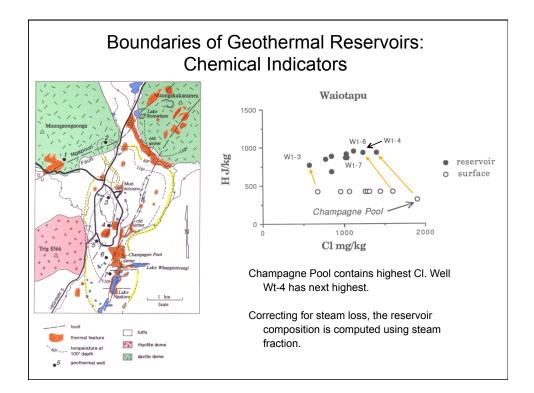


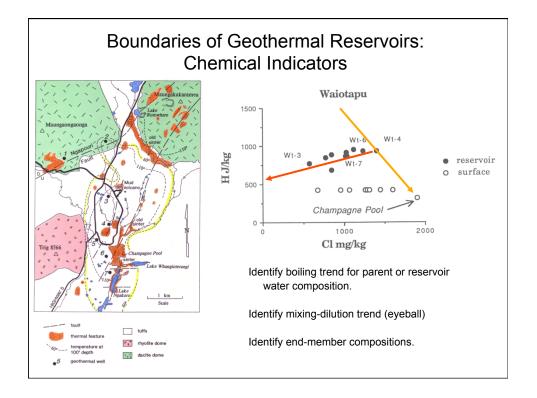


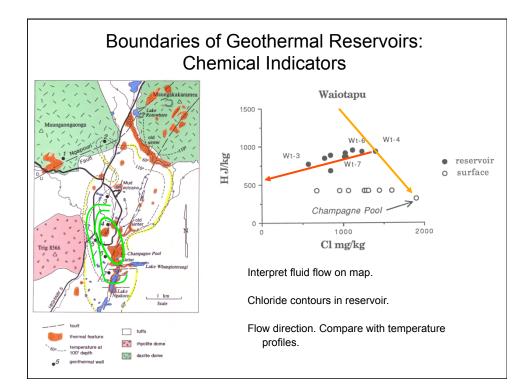












Summary

Determine volume of reservoir with geophysics, extent of surface thermal activity & hydrological models

Determine temperature of reservoir with aqueous geothermometers, alteration minerals & temperature gradient measurements (shallow-deep wells)

Determine heat reserves with stored heat calculation or more sophisticated reservoir modelling (numerical simulation)