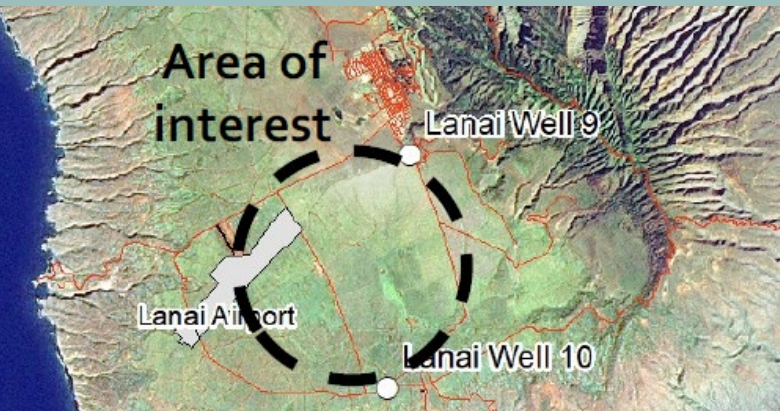


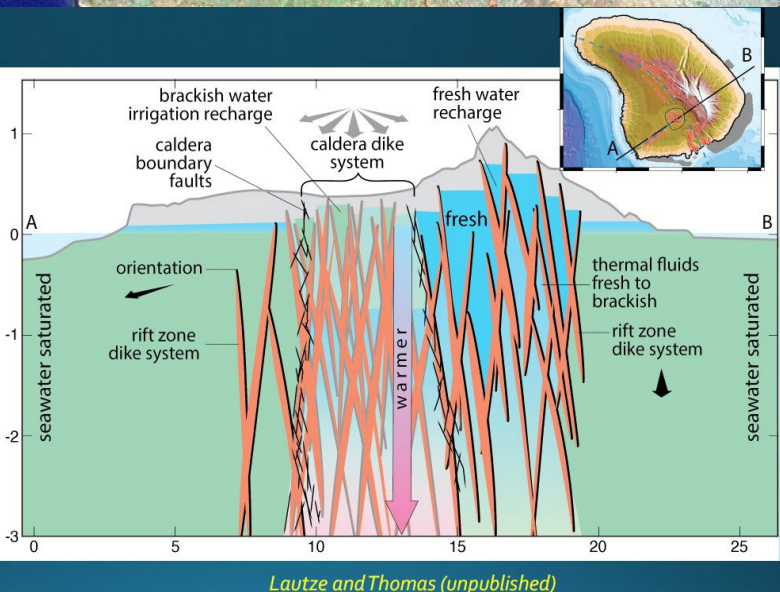
Community Meeting Summary: February 27, 2023

LĀNA'I GEOLOGY



Deepening Well 10: Pre-Drilling Tasks

- Wells 9 & 10 not in production, drilled in 1989
- Black circle indicates caldera, Well 9 & 10 just outside region
- Lowered camera down Well 9 & 10
- Straight enough to drill out bottom
- Well modification permit from DLNR
- Environmental Assessment
- NEPA clearance (1 endangered species)
- Procured & shipped supplies; crew lodging
- Community engagement
- Preplanning took up to 18 months



Drilling (2019)

- Total Depth 3,466 ft (1057 m)
- Target 2,900 ft.
- Max downhole T of 151°F (66°C) measured while circulating fluids – no significant change in temperature with time
- Archived core samples; logging almost complete
- Drilled for approximately one month



Drilling Conclusions

(Unpublished findings from one drilling site)

- Water in Well 10 was less conductive with increased depth, indicating a reduction in salinity or freshening with depth
- There is residual heat in the sub-surface, uncertain whether it constitutes a geothermal source
- Deepest well is outside of Hawai'i Island

LĀNA'I SELF POTENTIAL SURVEY: MARCH 2022

- LHES students worked with UH researchers to measure groundwater movement below the surface.
- They coupled sensors to the ground and attached them with wire to measure the electrical current between the sensors.
- The preliminary data set indicated the direction of the movement of water and illustrated a high degree of complexity in water movement within the Pālāwai Basin.

To learn more about Lāna'i Projects please visit the Hawai'i Groundwater and Geothermal Resources Center at <http://www.higp.hawaii.edu/hggrc>

For more information, please reach out to communitymeetings@pulamalanai.com
Info as of February 27, 2023, subject to change without notice