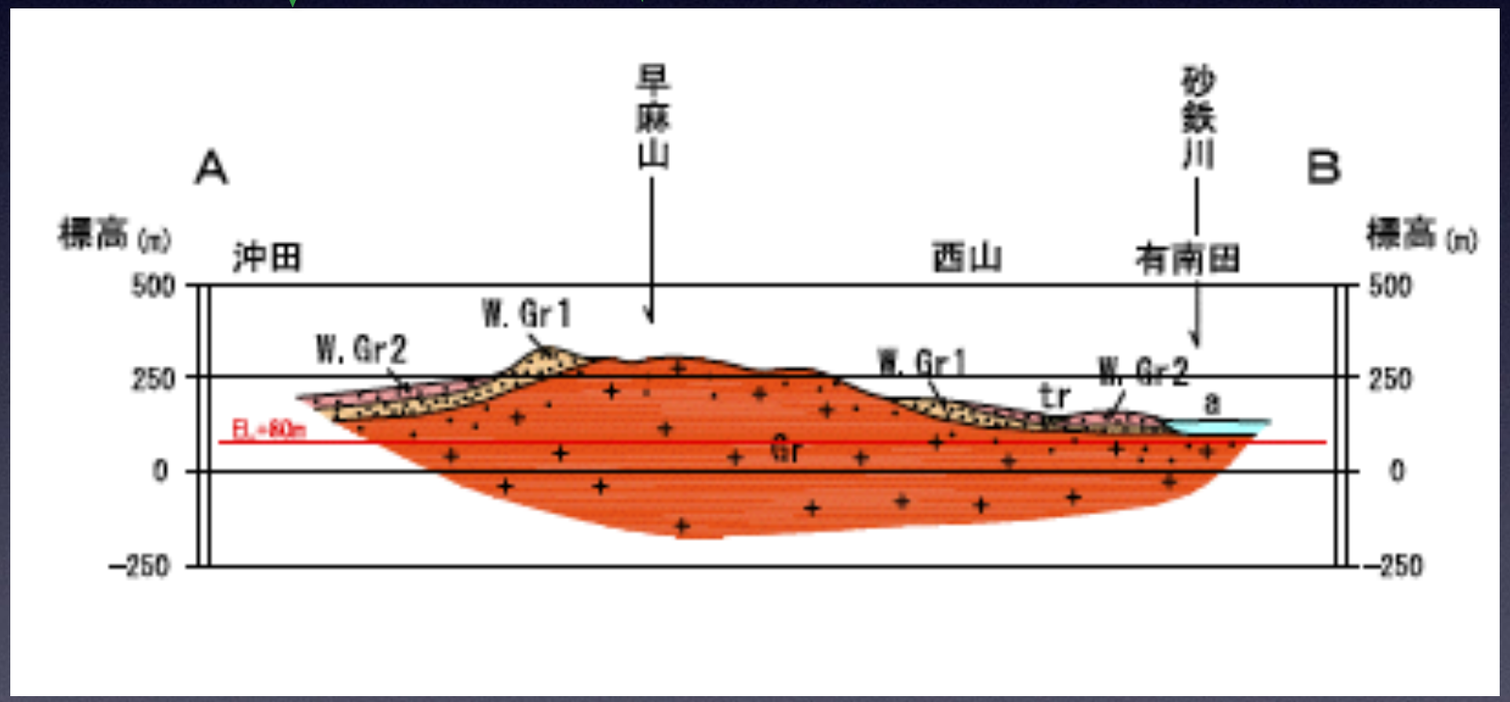
Implications of moving ILC IR position (from Baseline to Hybrid A')

Tomoyuki SANUKI
Tohoku University

Geological Survey (Baseline)

surface geologic survey

A’ baseline



granite semi-decomposed granite decomposed granite

elastic wave exploration

A’ baseline

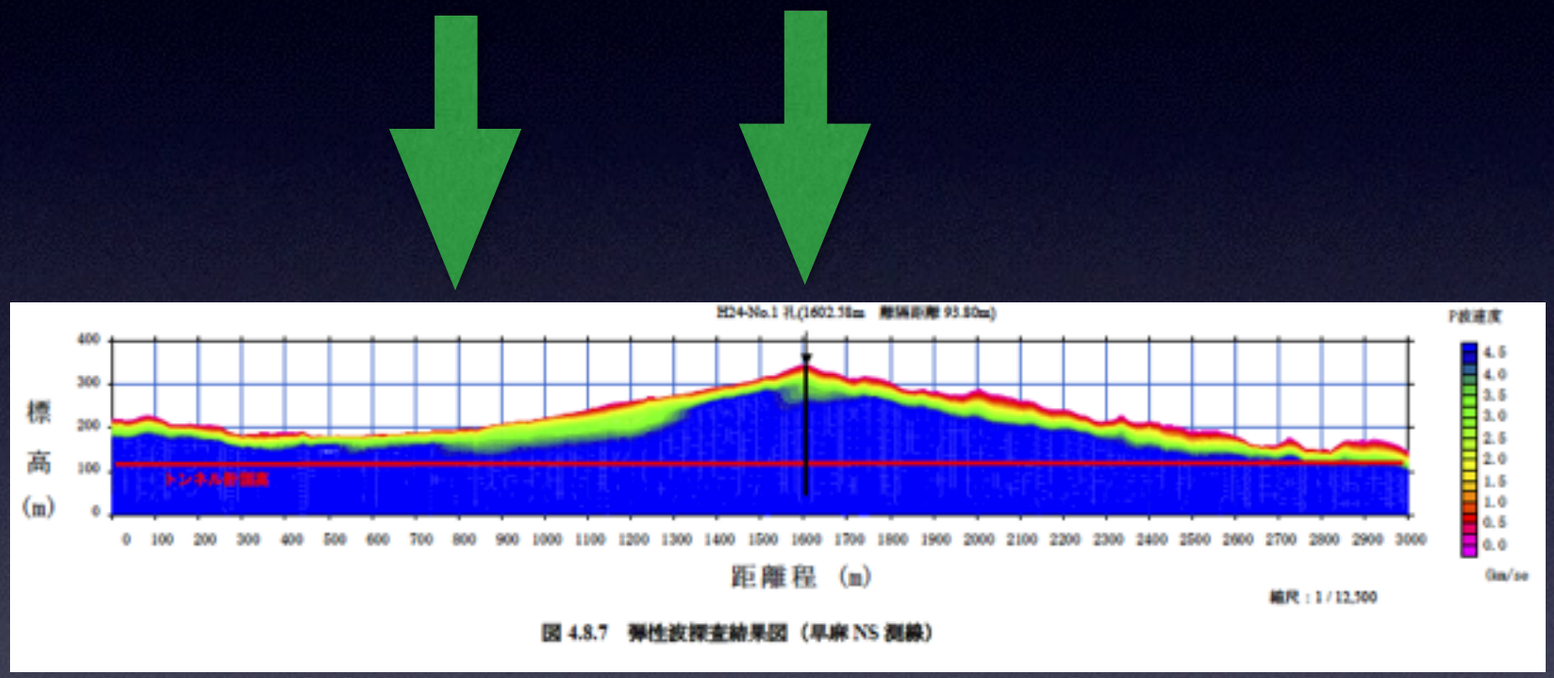
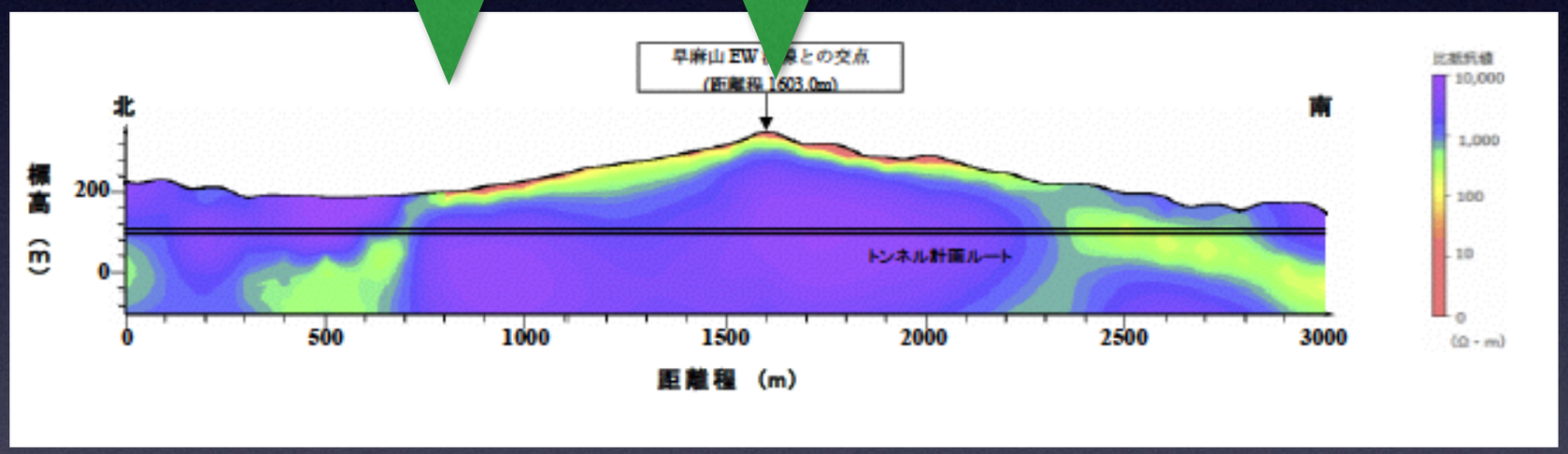


図 4.8.7 弾性波探査結果図（早麻 NS 測線）

~100m east to A’

electromagnetic survey

A’ baseline



~100m east to A’

drilling investigation

Only for Baseline

写真 4.4.20　H24-No.1 深度 190.00～195.00m の A 級岩盤状況

Rock stress

Only for Baseline

表 4.6.4　水圧破砕法による初期地圧測定結果

Depth (m)	σHmax (MPa)	σHmin (MPa)	σz (MPa)	K-value	Azimuth
200.1	9.49	5.11	5.36	1.77	N44-86W
210.7	9.68	6.17	5.64	1.71	N54-77W
230.0	10.72	5.75	6.16	1.74	N14-39W
247.3	11.31	5.83	6.62	1.71	N21-35W
261.7	9.45	5.34	7.01	1.35	N32W
296.5	10.59	6.10	7.94	1.33	N45W

σz：岩盤の密度を2.73g/cm^{3}として推定
K-value：σHmax/σz
Azimuth：N(真北)から時計回りの角度(degree)

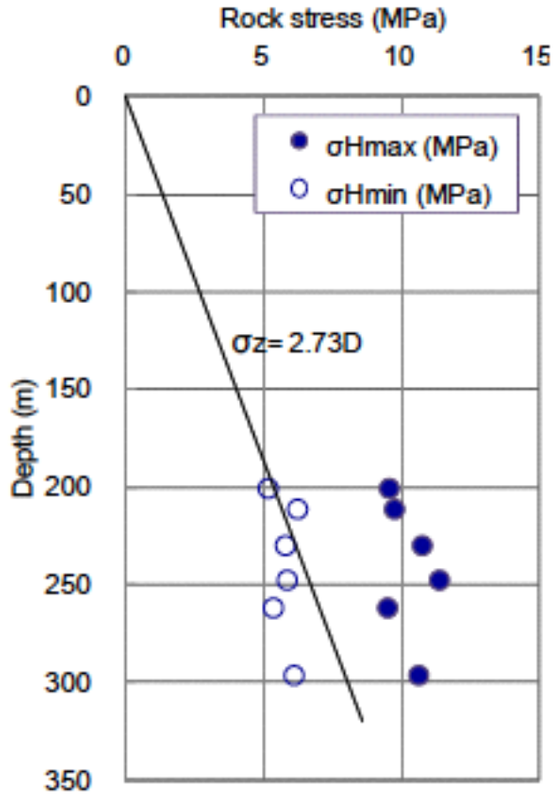


図 4.6.12　最大主応力と最小主応力の深度分布

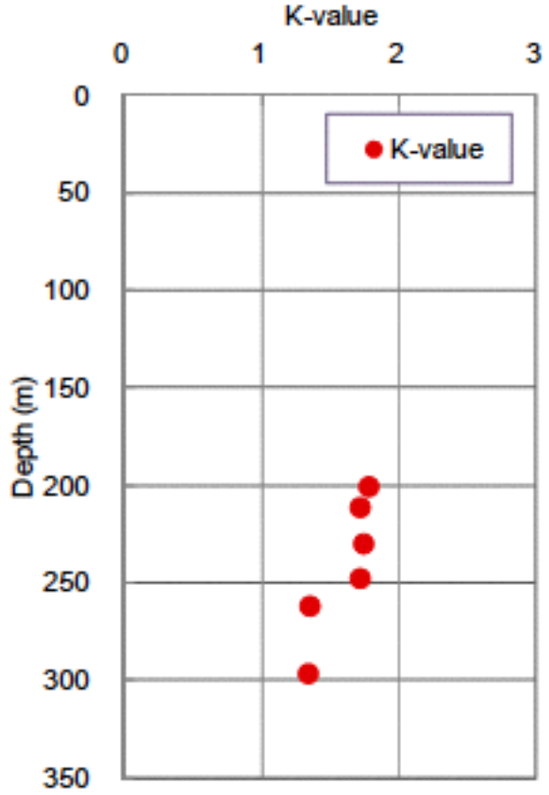


図 4.6.13　最大側圧比の深度分布

Implications

- Almost same conditions;
  - Access / Transportation
  - Distance to nearby houses
- Could find wider assembly yard
- Need inputs from DR people
- Huge land forming
- Much less information about geology