Clague's

Preliminary:

TS - Petrography

&

Selections for

K-Ar work

S0332DK1b * biotite trachyte C+D+P

Cross S0332DK3e * Malcolm pc+idd phyric hawaiite - lots of glass, sep. pc

S0333DK1a biotite trachyte - 10% glass

S0338DK1h hawaiite - AOB - 15% clay after glass (10°, 162°)

B S0331DK1b hawaiite - 10% clay pc, cpx, idd phen

Kingman Reef S03325DS1e basalt - idd + pc, lots of spinel - lots of glass → clay

S03325DS2c hawaiite - quite glassy C

S03329DK1e pc+cpx phyric basalt, $CaCO_3$ in vesicles, could separate pc

S03330DK1 intersertal texture diabase, ol → saponite

S03330DK2 * hawaiite - pretty fresh 5% clay after glass C+D

S03330DK4 picrite pretty altered

S03330DK5 intersertal AOB, ol → saponite, 8% glass → clay

S03330DK6 Leda-Cith similar to last sample, ol partly idd too,

S03330DK7 intersertal textured ~~AOB~~ basalt, 3% ol → clay, 8% glass → clay

S03330DK8 * same as last but much fresher, some glass is still fresh C+D

S03330DK9 * hawaiite, ol → idd, 3% clay C+D

S03330DK10 anharamite, all ol → saponite

S03331DK3 * hawaiite → AOB, ol → idd, 5% clay, has $CaCO_3$ C+D

S03331DK4 ol + pc phyric, lots of glass

S03333DS6b ol (idd) + cpx + sm pc in glassy matrix, zeolites

S03338DK3b sm ol (idd) + cpx, altered gm, zeolites

S03340DK2a picritic alkalic basalt. gm mostly cpx, 10% glass

S03348DK3a intergranular picrite, all ol → saponite

sm seamount N of St Cruz S03349DK1 * pc + cpx + Fe-Ti oxide + ol (idd) phyric basalt - sep. pc.

S03349DK2 alkalic basalt, ol → saponite, 8-10% glass → clay

S03363DK21 * aegirine trachyte, lots of glass → clay feldspar sep.? zeolites

S03363DK5a3 analcime phonolite, ~~aegirine~~, Tons of glass feldspar sep zeolites C+P+D

S03365GTV1a glassy vesicular basalt

S03366DK1a vesicular, cpx + pc phyric, ol → idd, lots of zeolites

S. of Johnson

Lake Bath #1

S03368GTV1a2 hawaiite, 10% glass

S03371DK6₃ * ~~hawaiite~~ mugearite, px, op, pc phyric 5% glass C

MIDPACS

S03371DK7₂ same as last sple, more glass

S03371DK9b₂ same as last, more glass

S03372DK2₂ mugearite-benmoreite, 20% clay after glass