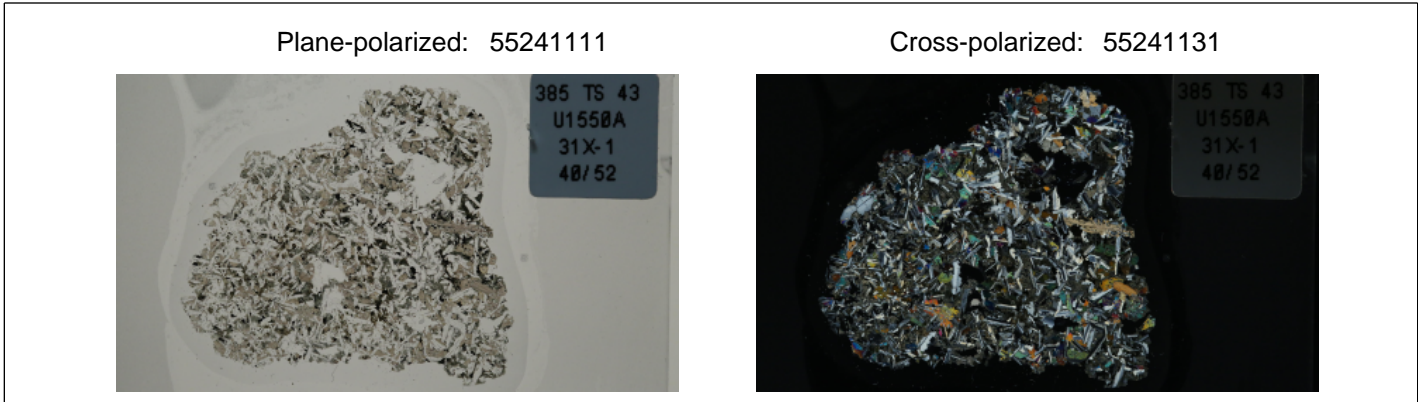


THIN SECTION LABEL ID: **385-U1550A-31X-1-W 40/52-TSB-TS 43** Thin section no.: 43
 Observer: Wei Xie
 Thin section summary: LITHOLOGY dolerite sill GROUNDMASS: medium-grained, felty GRAIN SIZE DISTRIBUTION: equigranular TEXTURE: subophitic PHENOCRYSTS: none VESICLES: none ALTERATION: slightly altered



Igneous Petrology

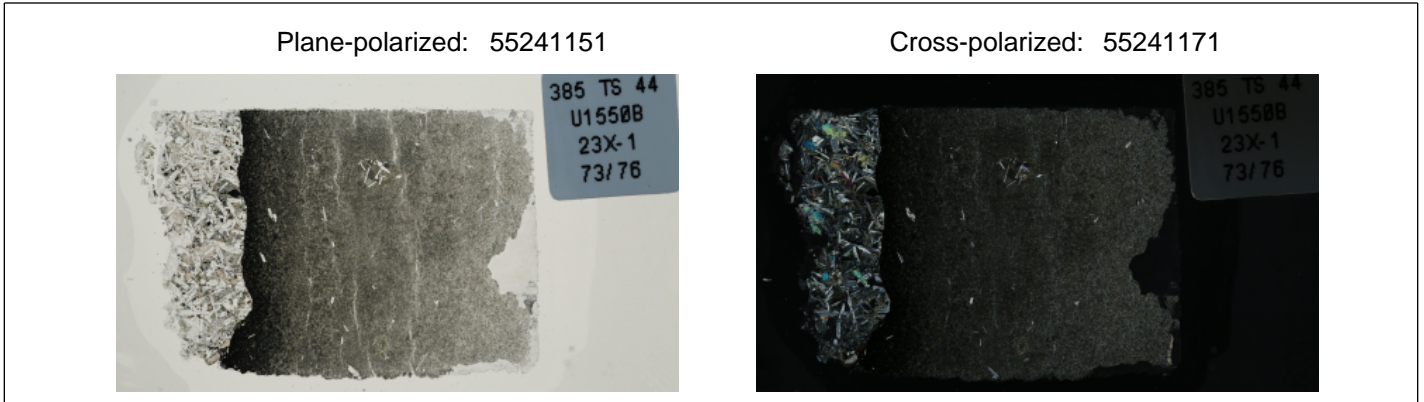
Lithology: dolerite sill **Groundmass grain size (avg.):** medium-grained [NMJ05]
Texture: subophitic **Grain size distribution:** equigranular

Groundmass	Original (%)	Present (%)	Replaced (%)	Size min. (mm)	Size max. (mm)	Shape	Habit	Comments
Plagioclase	60	60	0	1	3	euhedral	elongate	
Clinopyroxene	35	20	15	1	2	subhedral	elongate	

Alteration

Alteration intensity: slightly altered **Texture of Alteration:** patchy **Recrystallization extent:** weak [recryst]

THIN SECTION LABEL ID: **385-U1550B-23X-1-W 73/76-TSB-TS 44** Thin section no.: 44
 Observer: Wei Xie
 Thin section summary: Domain 1, LITHOLOGY: plagioclase phyric basalt sill GROUNDMASS: fine-grained, felty GRAIN SIZE DISTRIBUTION: Bimodal TEXTURE: porphyritic PHENOCRYSTS: 3% plagioclase VESICLES: none ALTERATION: highly altered Comments: host rock Domain 2, LITHOLOGY dolerite sill GROUNDMASS: medium-grained, felty GRAIN SIZE DISTRIBUTION: equigranular TEXTURE: subophitic PHENOCRYSTS: none VESICLES: none ALTERATION: slightly altered Comments: xenolith



Igneous Petrology

Lithology: plagioclase phyric basalt sill **Groundmass grain size (avg.):** fine-grained [NMJ05]
Texture: porphyritic **Grain size distribution:** Bimodal

Phenocrysts	Original (%)	Present (%)	Replaced (%)	Size min. (mm)	Size max. (mm)	Shape	Habit	Comments
Plagioclase	2	2	0	0.5	1	euhedral	elongate	

Groundmass	Original (%)	Present (%)	Replaced (%)	Size min. (mm)	Size max. (mm)	Shape	Habit	Comments
Plagioclase	50	30	20	0.2	0.3	euhedral	elongate	
Clinopyroxene	50	10	40	0.2	0.3	subhedral	elongate	
Fe-Ti oxide	5	3	2	0.1	0.3	euhedral	equant	

Igneous Petrology

Lithology: doleritic dolerite sill **Groundmass grain size (avg.):** medium-grained [NMJ05]
Texture: subophitic **Grain size distribution:** equigranular

Groundmass	Original (%)	Present (%)	Replaced (%)	Size min. (mm)	Size max. (mm)	Shape	Habit	Comments
Plagioclase	60	60	0	1	2	euhedral	elongate	
Clinopyroxene	35	20	15	1	2	subhedral	elongate	

Alteration

Alteration intensity: highly altered **Texture of Alteration** coating **Recrystallization extent:** strong [recryst]

Alteration

Alteration intensity: slightly altered **Texture of Alteration** patchy **Recrystallization extent:** weak [recryst]