

IODP-MSP (Exp. 357) VISUAL SECTION UNIT DESCRIPTION

DIS entered

Exp. 357	Site 72	Hole B	Core 2	Type R	Section 1
-------------	------------	-----------	-----------	-----------	--------------

Page: 1/1

Observers

[cm]	Scanned Image	Unit	Sketch	Lithology	Alteration Veins and Structure	Description																																																																																																																																												
0				<p>Assorted Rubble</p>	<p>brown to dark brown in place of the former olivines (clays)</p>	<p>① Fragments of altered basalt, "olivine-phyric" olivine-basalt and green-breccia? b) -olivine basalt.</p>																																																																																																																																												
5							<p>1</p>	<p>b</p>	<p>Assorted Rubble</p>	<p>brown to dark brown in place of the former olivines (clays)</p>	<p>① Fragments of altered basalt, "olivine-phyric" olivine-basalt and green-breccia? b) -olivine basalt.</p>																																																																																																																																							
10												<p>1</p>	<p>b</p>	<p>Assorted Rubble</p>	<p>brown to dark brown in place of the former olivines (clays)</p>	<p>① Fragments of altered basalt, "olivine-phyric" olivine-basalt and green-breccia? b) -olivine basalt.</p>																																																																																																																																		
15																	<p>1</p>	<p>b</p>	<p>Assorted Rubble</p>	<p>brown to dark brown in place of the former olivines (clays)</p>	<p>① Fragments of altered basalt, "olivine-phyric" olivine-basalt and green-breccia? b) -olivine basalt.</p>																																																																																																																													
20																						<p>1</p>	<p>b</p>	<p>Assorted Rubble</p>	<p>brown to dark brown in place of the former olivines (clays)</p>	<p>① Fragments of altered basalt, "olivine-phyric" olivine-basalt and green-breccia? b) -olivine basalt.</p>																																																																																																																								
25																											<p>1</p>	<p>b</p>	<p>Assorted Rubble</p>	<p>brown to dark brown in place of the former olivines (clays)</p>	<p>① Fragments of altered basalt, "olivine-phyric" olivine-basalt and green-breccia? b) -olivine basalt.</p>																																																																																																																			
30																																<p>1</p>	<p>b</p>	<p>Assorted Rubble</p>	<p>brown to dark brown in place of the former olivines (clays)</p>	<p>① Fragments of altered basalt, "olivine-phyric" olivine-basalt and green-breccia? b) -olivine basalt.</p>																																																																																																														
35																																					<p>1</p>	<p>b</p>	<p>Assorted Rubble</p>	<p>brown to dark brown in place of the former olivines (clays)</p>	<p>① Fragments of altered basalt, "olivine-phyric" olivine-basalt and green-breccia? b) -olivine basalt.</p>																																																																																																									
40																																										<p>1</p>	<p>b</p>	<p>Assorted Rubble</p>	<p>brown to dark brown in place of the former olivines (clays)</p>	<p>① Fragments of altered basalt, "olivine-phyric" olivine-basalt and green-breccia? b) -olivine basalt.</p>																																																																																																				
45																																															<p>1</p>	<p>b</p>	<p>Assorted Rubble</p>	<p>brown to dark brown in place of the former olivines (clays)</p>	<p>① Fragments of altered basalt, "olivine-phyric" olivine-basalt and green-breccia? b) -olivine basalt.</p>																																																																																															
50																																																				<p>1</p>	<p>b</p>	<p>Assorted Rubble</p>	<p>brown to dark brown in place of the former olivines (clays)</p>	<p>① Fragments of altered basalt, "olivine-phyric" olivine-basalt and green-breccia? b) -olivine basalt.</p>																																																																																										
55																																																									<p>1</p>	<p>b</p>	<p>Assorted Rubble</p>	<p>brown to dark brown in place of the former olivines (clays)</p>	<p>① Fragments of altered basalt, "olivine-phyric" olivine-basalt and green-breccia? b) -olivine basalt.</p>																																																																																					
60																																																														<p>1</p>	<p>b</p>	<p>Assorted Rubble</p>	<p>brown to dark brown in place of the former olivines (clays)</p>	<p>① Fragments of altered basalt, "olivine-phyric" olivine-basalt and green-breccia? b) -olivine basalt.</p>																																																																																
65																																																																			<p>1</p>	<p>b</p>	<p>Assorted Rubble</p>	<p>brown to dark brown in place of the former olivines (clays)</p>	<p>① Fragments of altered basalt, "olivine-phyric" olivine-basalt and green-breccia? b) -olivine basalt.</p>																																																																											
70																																																																								<p>1</p>	<p>b</p>	<p>Assorted Rubble</p>	<p>brown to dark brown in place of the former olivines (clays)</p>	<p>① Fragments of altered basalt, "olivine-phyric" olivine-basalt and green-breccia? b) -olivine basalt.</p>																																																																						
75																																																																													<p>1</p>	<p>b</p>	<p>Assorted Rubble</p>	<p>brown to dark brown in place of the former olivines (clays)</p>	<p>① Fragments of altered basalt, "olivine-phyric" olivine-basalt and green-breccia? b) -olivine basalt.</p>																																																																	
80																																																																																		<p>1</p>	<p>b</p>	<p>Assorted Rubble</p>	<p>brown to dark brown in place of the former olivines (clays)</p>	<p>① Fragments of altered basalt, "olivine-phyric" olivine-basalt and green-breccia? b) -olivine basalt.</p>																																																												
50																																																																																							<p>2</p>	<p>a</p>	<p>Metabasalt Fragments (Rubble)</p>	<p>phenocrysts of dark color, overall color is dark green. plagioclase → chl? TA: TPC 100% SA: TPC 80% Sulphides up to 2mm wide</p>	<p>② Altered (grey-green) basalt. • pervasively vesicular, now infilled. (<1% vesicles) • sulphides to 2mm (see 29cm). -likely alteration via vein.</p>																																																							
55																																																																																												<p>2</p>	<p>a</p>	<p>Metabasalt Fragments (Rubble)</p>	<p>phenocrysts of dark color, overall color is dark green. plagioclase → chl? TA: TPC 100% SA: TPC 80% Sulphides up to 2mm wide</p>	<p>② Altered (grey-green) basalt. • pervasively vesicular, now infilled. (<1% vesicles) • sulphides to 2mm (see 29cm). -likely alteration via vein.</p>																																																		
60																																																																																																	<p>2</p>	<p>a</p>	<p>Metabasalt Fragments (Rubble)</p>	<p>phenocrysts of dark color, overall color is dark green. plagioclase → chl? TA: TPC 100% SA: TPC 80% Sulphides up to 2mm wide</p>	<p>② Altered (grey-green) basalt. • pervasively vesicular, now infilled. (<1% vesicles) • sulphides to 2mm (see 29cm). -likely alteration via vein.</p>																																													
65																																																																																																						<p>2</p>	<p>a</p>	<p>Metabasalt Fragments (Rubble)</p>	<p>phenocrysts of dark color, overall color is dark green. plagioclase → chl? TA: TPC 100% SA: TPC 80% Sulphides up to 2mm wide</p>	<p>② Altered (grey-green) basalt. • pervasively vesicular, now infilled. (<1% vesicles) • sulphides to 2mm (see 29cm). -likely alteration via vein.</p>																																								
70																																																																																																											<p>2</p>	<p>a</p>	<p>Metabasalt Fragments (Rubble)</p>	<p>phenocrysts of dark color, overall color is dark green. plagioclase → chl? TA: TPC 100% SA: TPC 80% Sulphides up to 2mm wide</p>	<p>② Altered (grey-green) basalt. • pervasively vesicular, now infilled. (<1% vesicles) • sulphides to 2mm (see 29cm). -likely alteration via vein.</p>																																			
75																																																																																																																<p>2</p>	<p>a</p>	<p>Metabasalt Fragments (Rubble)</p>	<p>phenocrysts of dark color, overall color is dark green. plagioclase → chl? TA: TPC 100% SA: TPC 80% Sulphides up to 2mm wide</p>	<p>② Altered (grey-green) basalt. • pervasively vesicular, now infilled. (<1% vesicles) • sulphides to 2mm (see 29cm). -likely alteration via vein.</p>																														
80																																																																																																																					<p>2</p>	<p>a</p>	<p>Metabasalt Fragments (Rubble)</p>	<p>phenocrysts of dark color, overall color is dark green. plagioclase → chl? TA: TPC 100% SA: TPC 80% Sulphides up to 2mm wide</p>	<p>② Altered (grey-green) basalt. • pervasively vesicular, now infilled. (<1% vesicles) • sulphides to 2mm (see 29cm). -likely alteration via vein.</p>																									
50																																																																																																																										<p>3</p>	<p>a</p>	<p>Oxide Gabbro (Rubble)</p>	<p>orange, brown, TA: OX. 100% SA: OX. mod., pl. oxides, hydroxides, chl</p>	<p>③ Fragments of slightly-altered undeformed gabbro. Medium to coarse-grained. • sub-ophitic • tabular plagioclase laths to 4x10mm • Clinopyroxene equivalent to tabular to 4x6mm (after plagioclase) • Roughly 60% plagioclase 40% cpx. No olivine observed, but some oxidized -red sections which may be alteration after olivine (<2% total) • up to 5% oxide? Banding in plagioclase Modal ratios.</p>																				
55																																																																																																																															<p>3</p>	<p>a</p>	<p>Oxide Gabbro (Rubble)</p>	<p>orange, brown, TA: OX. 100% SA: OX. mod., pl. oxides, hydroxides, chl</p>	<p>③ Fragments of slightly-altered undeformed gabbro. Medium to coarse-grained. • sub-ophitic • tabular plagioclase laths to 4x10mm • Clinopyroxene equivalent to tabular to 4x6mm (after plagioclase) • Roughly 60% plagioclase 40% cpx. No olivine observed, but some oxidized -red sections which may be alteration after olivine (<2% total) • up to 5% oxide? Banding in plagioclase Modal ratios.</p>															
60																																																																																																																																				<p>3</p>	<p>a</p>	<p>Oxide Gabbro (Rubble)</p>	<p>orange, brown, TA: OX. 100% SA: OX. mod., pl. oxides, hydroxides, chl</p>	<p>③ Fragments of slightly-altered undeformed gabbro. Medium to coarse-grained. • sub-ophitic • tabular plagioclase laths to 4x10mm • Clinopyroxene equivalent to tabular to 4x6mm (after plagioclase) • Roughly 60% plagioclase 40% cpx. No olivine observed, but some oxidized -red sections which may be alteration after olivine (<2% total) • up to 5% oxide? Banding in plagioclase Modal ratios.</p>										
65																																																																																																																																									<p>3</p>	<p>a</p>	<p>Oxide Gabbro (Rubble)</p>	<p>orange, brown, TA: OX. 100% SA: OX. mod., pl. oxides, hydroxides, chl</p>	<p>③ Fragments of slightly-altered undeformed gabbro. Medium to coarse-grained. • sub-ophitic • tabular plagioclase laths to 4x10mm • Clinopyroxene equivalent to tabular to 4x6mm (after plagioclase) • Roughly 60% plagioclase 40% cpx. No olivine observed, but some oxidized -red sections which may be alteration after olivine (<2% total) • up to 5% oxide? Banding in plagioclase Modal ratios.</p>					
70																																																																																																																																														<p>3</p>	<p>a</p>	<p>Oxide Gabbro (Rubble)</p>	<p>orange, brown, TA: OX. 100% SA: OX. mod., pl. oxides, hydroxides, chl</p>	<p>③ Fragments of slightly-altered undeformed gabbro. Medium to coarse-grained. • sub-ophitic • tabular plagioclase laths to 4x10mm • Clinopyroxene equivalent to tabular to 4x6mm (after plagioclase) • Roughly 60% plagioclase 40% cpx. No olivine observed, but some oxidized -red sections which may be alteration after olivine (<2% total) • up to 5% oxide? Banding in plagioclase Modal ratios.</p>
75																																																																																																																																																		
80	<p>3</p>	<p>a</p>	<p>Oxide Gabbro (Rubble)</p>	<p>orange, brown, TA: OX. 100% SA: OX. mod., pl. oxides, hydroxides, chl</p>	<p>③ Fragments of slightly-altered undeformed gabbro. Medium to coarse-grained. • sub-ophitic • tabular plagioclase laths to 4x10mm • Clinopyroxene equivalent to tabular to 4x6mm (after plagioclase) • Roughly 60% plagioclase 40% cpx. No olivine observed, but some oxidized -red sections which may be alteration after olivine (<2% total) • up to 5% oxide? Banding in plagioclase Modal ratios.</p>																																																																																																																																													

TSB?
To characterize
fresh undformed
gabbro

