

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

Exp. 357	Site 69	Hole A	Core 5	Type R	Section 1
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Observers
PM Shift

[cm]	Scanned Image	Unit	Sketch	Lithology	Alteration and Veins	Structure	Description
0-15		1		RUBBLE oxidized? → pyrite!		Rubble	rubble of various materials angular, up to 4cm, most < 1cm Some more oxidized and altered
15-20		2		SERP HARZ MAYBE OPX RELICS COARSE-GRAINED	PORPHYROCLAST SERP HARZ MAYBE OPX RELICS COARSE-GRAINED		A coherent block or maybe recrystallization around opx LATE VEINING
20-30				METADOL/ METAGB in green-schist facies			Epidote around / prehnite? 38 to 50 cm (patchy) go to the end (in veins or in crack)
30-35				INTRUSION variably deformed			3: meta-charno @ top appears to become finer-grained (meta- dolerite) towards bottom
35-40				fine grained interval 29-35cm of probably meta basalt → look like foliated			35-65 cm = metre elongated x-beds in subhorizontal melt - medium alignments of clasts / veins etc
40-45		3		polished (c-p?) N 270/10			meta-gabbro: cpx: 3-7 mm plag: 1-3 mm 42-47 cm intruded by dolerite 60-64 AN/C
45-60				62-83 cm			Meta-dolerite: cpx: 2 mm plag: tiny sub-mm, disseminated nodules (pentlandite?) in meta-dolerite
60-65				FROM 83 to the bottom metadolerite again as before not foliated			variably foliated dark grey probably "intrusion" 59-64 cm
65-80							① 0.3 mm cracks veins cut by ② pale network of epidote veins (from thin section @ 100x) ③ plane of pale green veins (probably epidote)

TS
+ XRD

- ① 40/090
- ② 30-45/270
- ③ 10/090

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[cm]	Scanned Image	Unit	Sketch	Lithology	Alteration Veins and Veins	Structure	Description	
<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 5px;">81</div> <div style="margin-bottom: 5px;">82</div> <div style="margin-bottom: 5px;">83</div> <div style="margin-bottom: 5px;">84</div> <div style="margin-bottom: 5px;">85</div> <div style="margin-bottom: 5px;">86</div> <div style="margin-bottom: 5px;">87</div> <div style="margin-bottom: 5px;">88</div> <div style="margin-bottom: 5px;">89</div> <div style="margin-bottom: 5px;">90</div> <div style="margin-bottom: 5px;">91</div> <div style="margin-bottom: 5px;">92</div> <div style="margin-bottom: 5px;">93</div> <div style="margin-bottom: 5px;">94</div> <div style="margin-bottom: 5px;">95</div> <div style="margin-bottom: 5px;">96</div> <div style="margin-bottom: 5px;">97</div> <div style="margin-bottom: 5px;">98</div> <div style="margin-bottom: 5px;">99</div> <div style="margin-bottom: 5px;">100</div> <div style="margin-bottom: 5px;">101</div> <div style="margin-bottom: 5px;">102</div> <div style="margin-bottom: 5px;">103</div> <div style="margin-bottom: 5px;">104</div> <div style="margin-bottom: 5px;">105</div> <div style="margin-bottom: 5px;">106</div> <div style="margin-bottom: 5px;">107</div> <div style="margin-bottom: 5px;">108</div> <div style="margin-bottom: 5px;">109</div> <div style="margin-bottom: 5px;">110</div> <div style="margin-bottom: 5px;">111</div> <div style="margin-bottom: 5px;">112</div> <div style="margin-bottom: 5px;">113</div> <div style="margin-bottom: 5px;">114</div> <div style="margin-bottom: 5px;">115</div> <div style="margin-bottom: 5px;">116</div> <div style="margin-bottom: 5px;">117</div> <div style="margin-bottom: 5px;">118</div> <div style="margin-bottom: 5px;">119</div> <div style="margin-bottom: 5px;">120</div> <div style="margin-bottom: 5px;">121</div> <div style="margin-bottom: 5px;">122</div> <div style="margin-bottom: 5px;">123</div> <div style="margin-bottom: 5px;">124</div> <div style="margin-bottom: 5px;">125</div> <div style="margin-bottom: 5px;">126</div> <div style="margin-bottom: 5px;">127</div> <div style="margin-bottom: 5px;">128</div> <div style="margin-bottom: 5px;">129</div> <div style="margin-bottom: 5px;">130</div> <div style="margin-bottom: 5px;">131</div> <div style="margin-bottom: 5px;">132</div> <div style="margin-bottom: 5px;">133</div> <div style="margin-bottom: 5px;">134</div> <div style="margin-bottom: 5px;">135</div> <div style="margin-bottom: 5px;">136</div> <div style="margin-bottom: 5px;">137</div> <div style="margin-bottom: 5px;">138</div> <div style="margin-bottom: 5px;">139</div> <div style="margin-bottom: 5px;">140</div> <div style="margin-bottom: 5px;">141</div> <div style="margin-bottom: 5px;">142</div> <div style="margin-bottom: 5px;">143</div> <div style="margin-bottom: 5px;">144</div> <div style="margin-bottom: 5px;">145</div> <div style="margin-bottom: 5px;">146</div> <div style="margin-bottom: 5px;">147</div> <div style="margin-bottom: 5px;">148</div> <div style="margin-bottom: 5px;">149</div> <div style="margin-bottom: 5px;">150</div> <div style="margin-bottom: 5px;">151</div> <div style="margin-bottom: 5px;">152</div> <div style="margin-bottom: 5px;">153</div> <div style="margin-bottom: 5px;">154</div> <div style="margin-bottom: 5px;">155</div> </div>		<div style="display: flex; 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