

PHOTOGRAPHS OF BOTAD BLOCK



Photograph 1: Exposure of picritic basalt with Vesicular nature near RTO office road, Botad



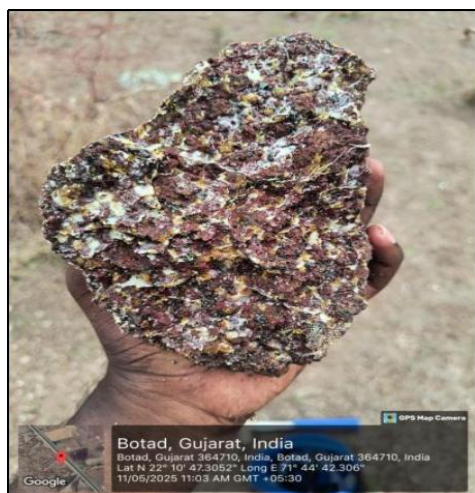
Photograph 2 :Exposure of Red bole bed in massive olivine basalt near ARTO Botad



Photograph 3: Exposure of Amygdaloidal basalt near Khas Village.



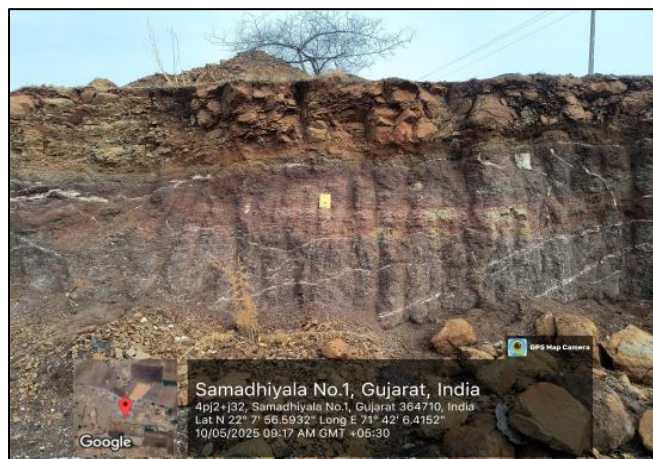
Photograph 4 :Exposure of Olivine altered to Iddingsite in Khas road



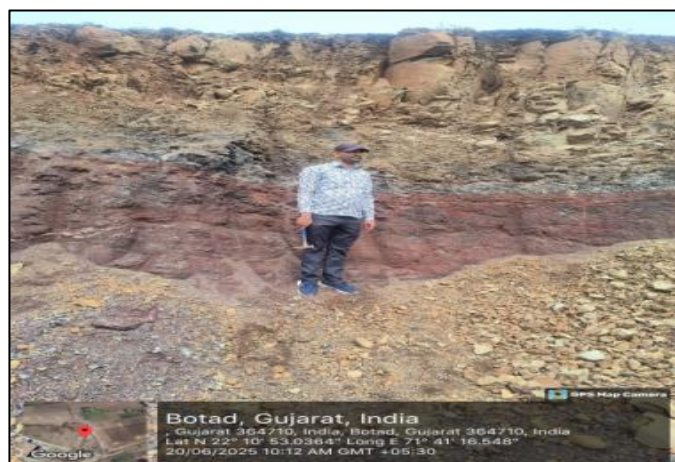
Photograph 5: Exposure of Olivine crystals in green and yellow (Fresh to partially in Khas road



Photograph 6: Exposure of Red bole bed (Act as Marker horizon) near ARTO, Botad



Photograph 7: This red bole bed is located near Samadhiyala no1. Above the red bole, there is a massive olivine basalt. This red bole bed has the thickness of 2m. Excellent lateral continuity; red bole horizon extends continuously with sharp flow contacts.



Photograph 8: This red bole bed is located near Rto road office botad having the elevation of 86m. This red bole bed has good lateral continuity and it is traceable across the exposed section. Above the red bole bed, there is a massive olivine basalt.

Width (Thickness): 40–45 cm thick.



Photograph 9: This red bole is located near the Tajpar road near railway track having the elevation of 89m. Between the red bole, there is massive basalt and the dyke cutting across indicating is a different flow. This red bole bed has moderate lateral continuity but locally disturbed by vegetation and erosion. There is a calcite venations are visible.

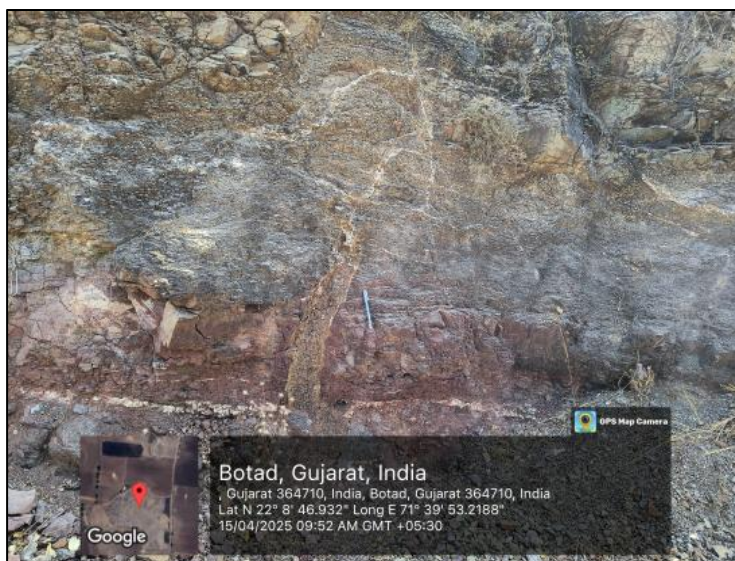
Width (Thickness): Around 30–35 cm thick.



Photograph 10: This red bole bed is located near to the Bhambhan road. The lateral continuity of this red bole is clearly traceable . Above there is a vesicular olivine basalt. This red bole bed is located towards the south east of the botad block.

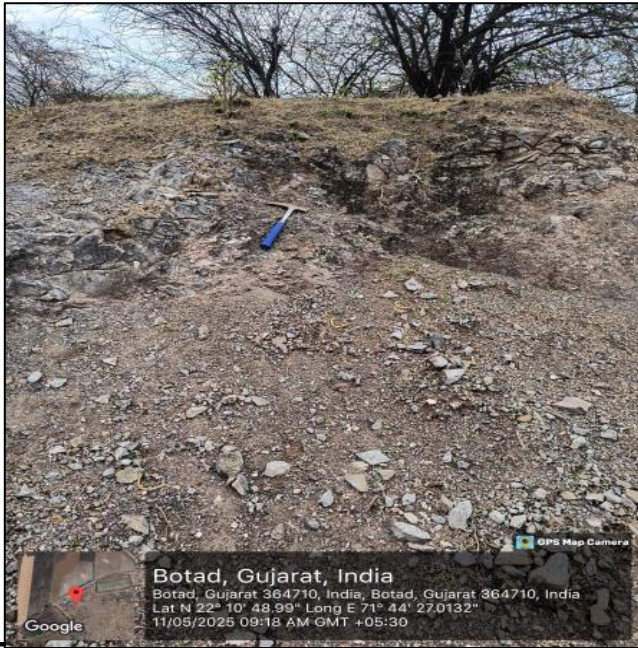
Width (Thickness):

Approximately 25–30 cm thick.

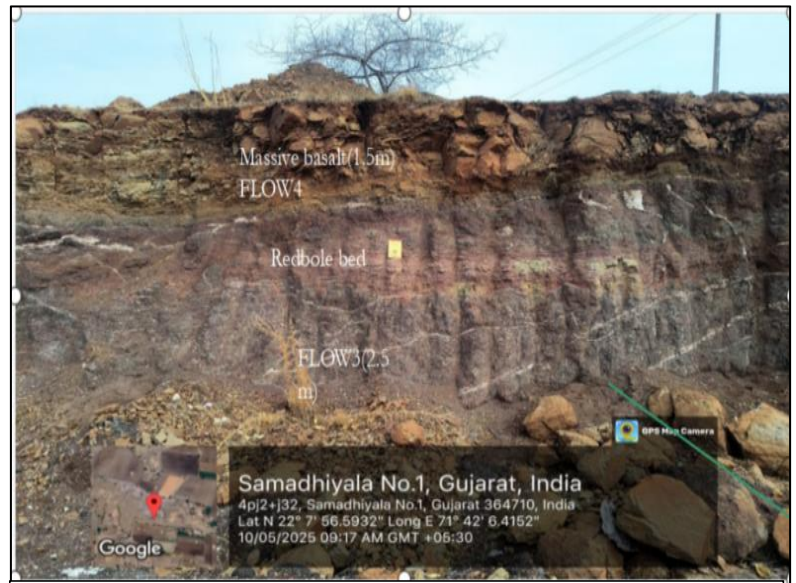


Photograph 11: This red bole is located near the Amapar road. The lateral continuity of red bole bed is discontinuous in places due to slope wash and human disturbance, but identifiable in patches. Width (Thickness):

Around 20–25 cm thick.



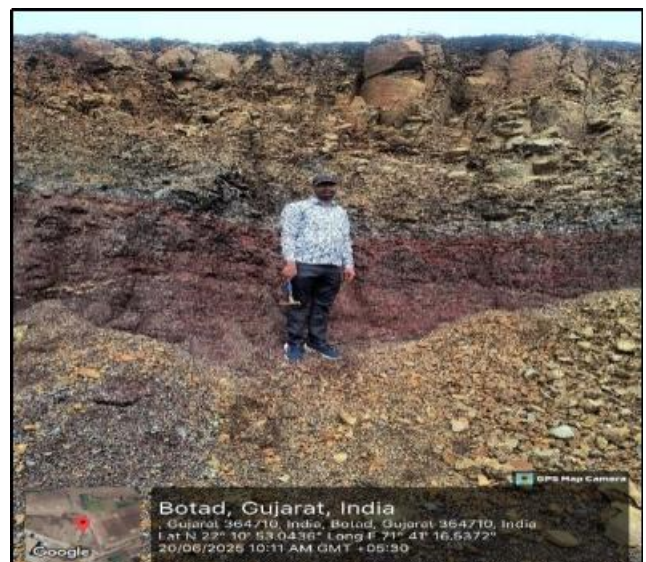
Photograph 12: showing Fine grained olivine basalt near khas village location.



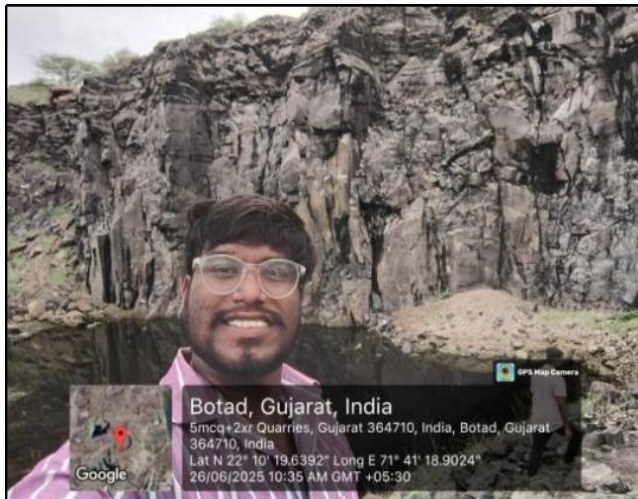
Photograph 13: Red bole bed emplaced between flow 3 and flow 4 basaltic flows



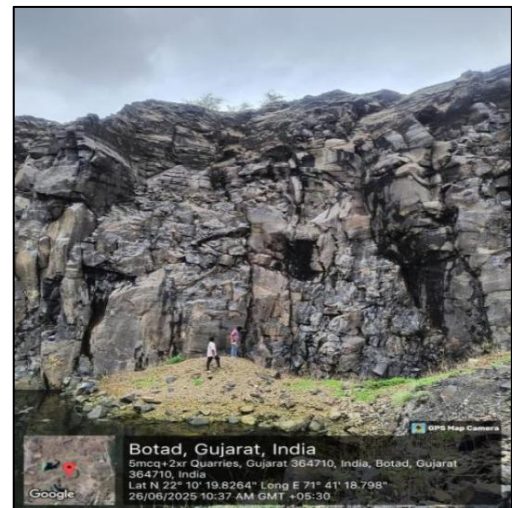
Photograph 14: Zeolite



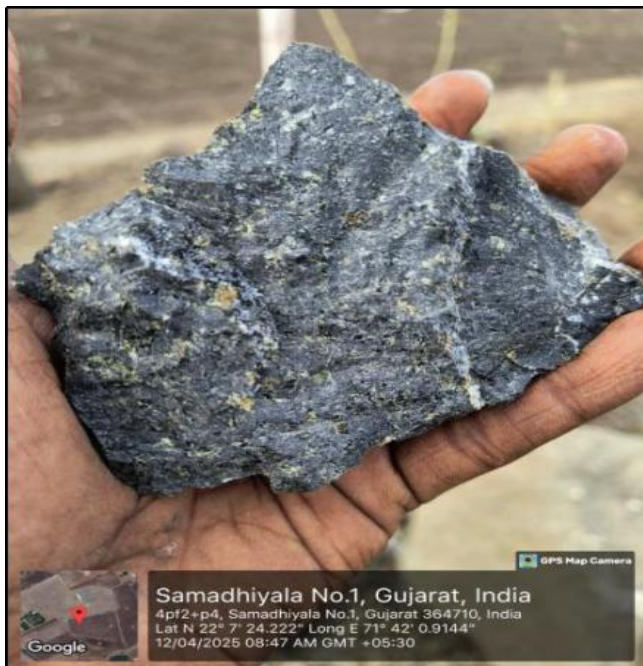
Photograph 15 : Showing Red bole bed located in between flow3 and flow4



Photograph 16: showing Quarrie area picritic basalt.



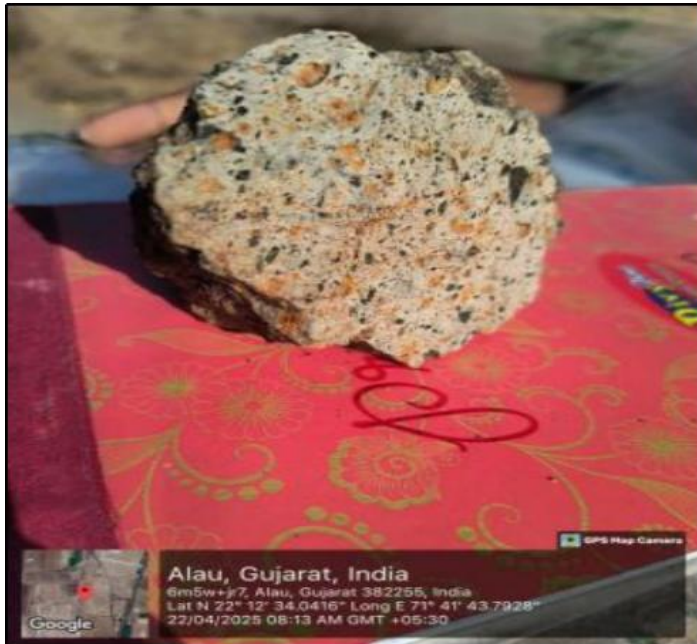
Photograph 17 : showing Quarrie area of picritic basalt near senthali village.



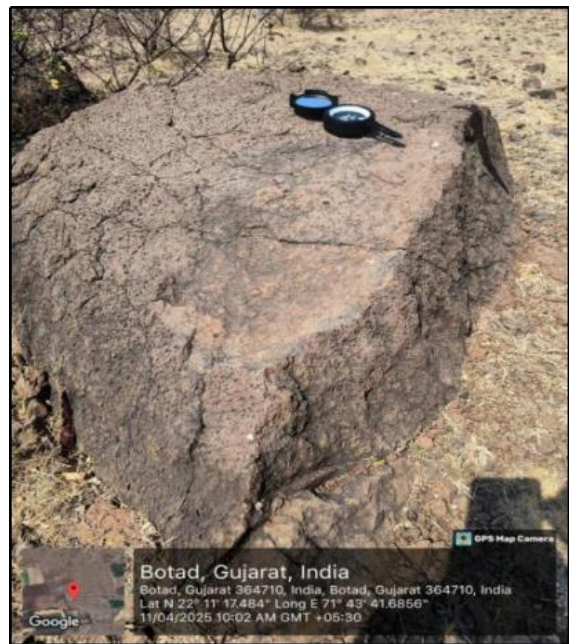
Photograph 18: showing picritic basaltic sample near the village senthali.



Photograph 19: showing porphyritic olivine basalt located near Tajpar village.



Photograph 20: showing olivine basalt in green color located near Tajpar village.



Photograph 21: showing fine-grained olivine basalt in sherthali village



Photograph 22: showing fine-grained olivine basalt in khas village.



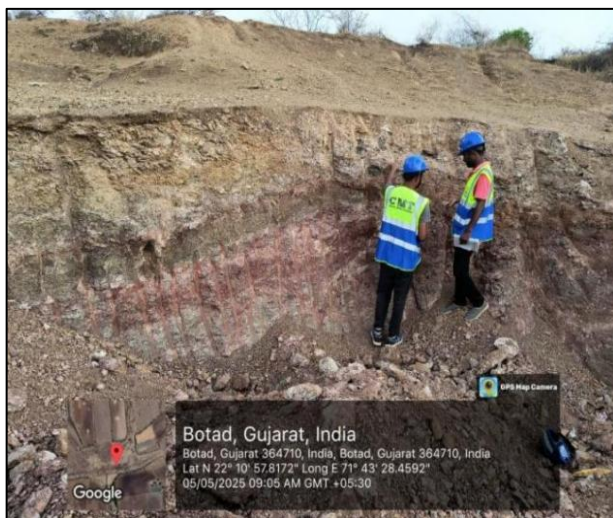
Photograph 23: showing Amygdaloidal Basalt along khas road village.



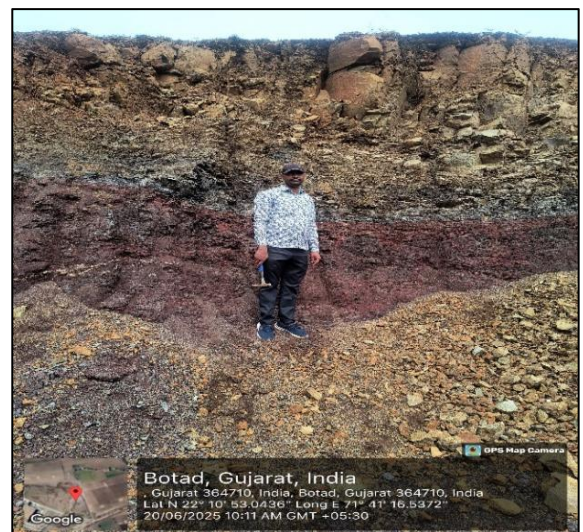
Photograph 24: showing Massive basalt along Northern part of the block,khas village.



Photograph 25: showing Massive basalt along Northern part of the block,khas village.



Photograph 26: showing Red bole bed at samadhiyala -1 village



Photograph 27: showing Red bole bed at ARTO road, botad.



Photograph 28: showing serpentinization along Bhambhan village.



Photograph 29: showing serpentinization and fibrous textures along Bhambhan village.



Photograph 30: There is a massive basaltic dyke (Vertical) between flow 3 and flow 4 along Tajpar village.



Photograph 31: showing Quarrie 1 outcrop location along senthali village, having the elevation of 110m, and having the height of 3m. It is a picritic basalt and there is a calcite venations filling in the outcrop.



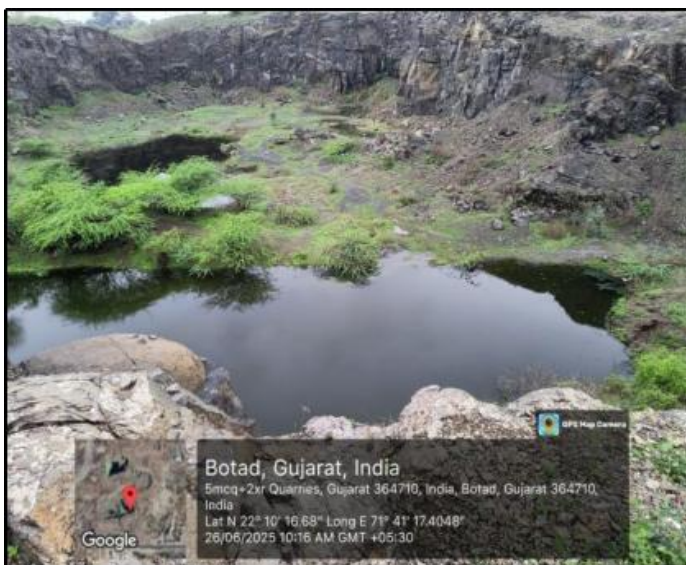
Photograph 32: showing Quarrie 2 outcrop location along senthali village, having the elevation of 110m, and having the height of 2.5 m. It is a picritic basalt and there is a calcite venations filling in the outcrop. There are vertical to sub-vertical joints are present.



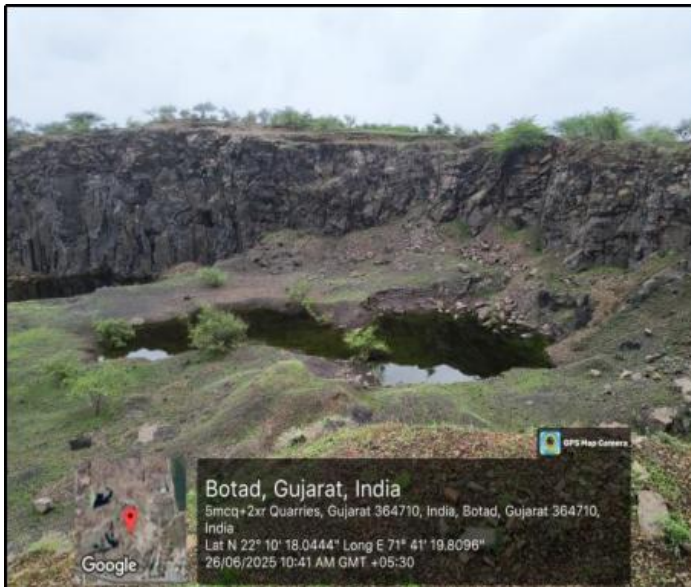
Photograph 33: showing Quarrie 3 outcrop location along senthali village, having the elevation of 97m. It is a picritic basalt and there is a calcite venations filling in the outcrop. There are vertical joints are present.

Joints:

Strike	260 ⁰
Dip direction	170 ⁰
Dip amount	20 ⁰



Photograph 34: showing Quarrie 4 outcrop location along senthali village, having the elevation of 105m. It is a picritic basalt and there is a calcite venations filling in the outcrop. There are vertical joints are present. Here, there is a water bodies in depression areas.



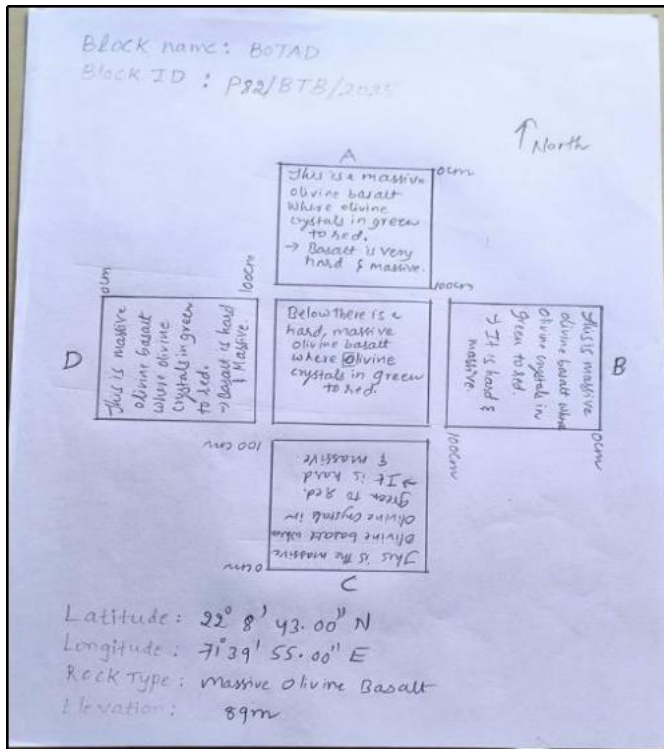
Photograph 35: showing Quarrie 5 outcrop location along senthali village, having the elevation of 93m. It is a picritic basalt and there is a calcite venations filling in the outcrop. There are vertical joints are present. It is having the height of 12m.

Joints:

Strike	340°
Dip direction	250°
Dip amount	10°



Photograph 36: showing Quarrie 6 outcrop location along senthali village, having the elevation of 111m. It is a picritic basalt and there is a calcite venations filling in the outcrop. There are vertical joints are present. Here, there is a water bodies in depression areas.



Photograph 37: Pit Worksheet



Photograph 38A: Showing pitting



Photograph 38B: Showing pitting



Photograph 38C: Showing pitting



Photograph 38D: Showing pitting

