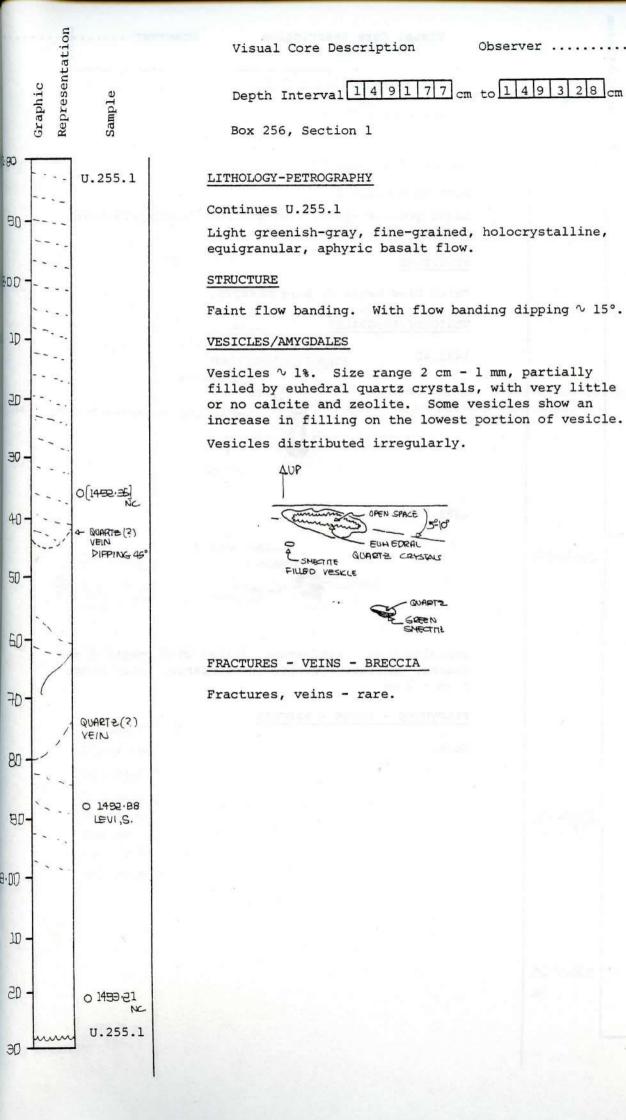
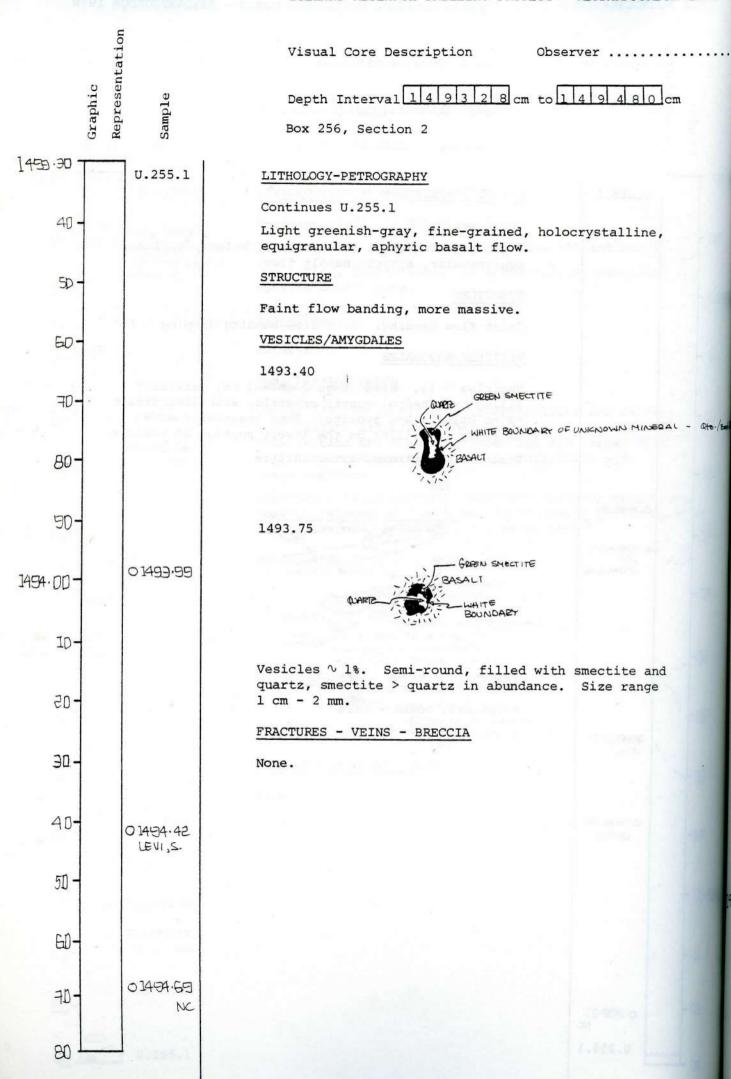
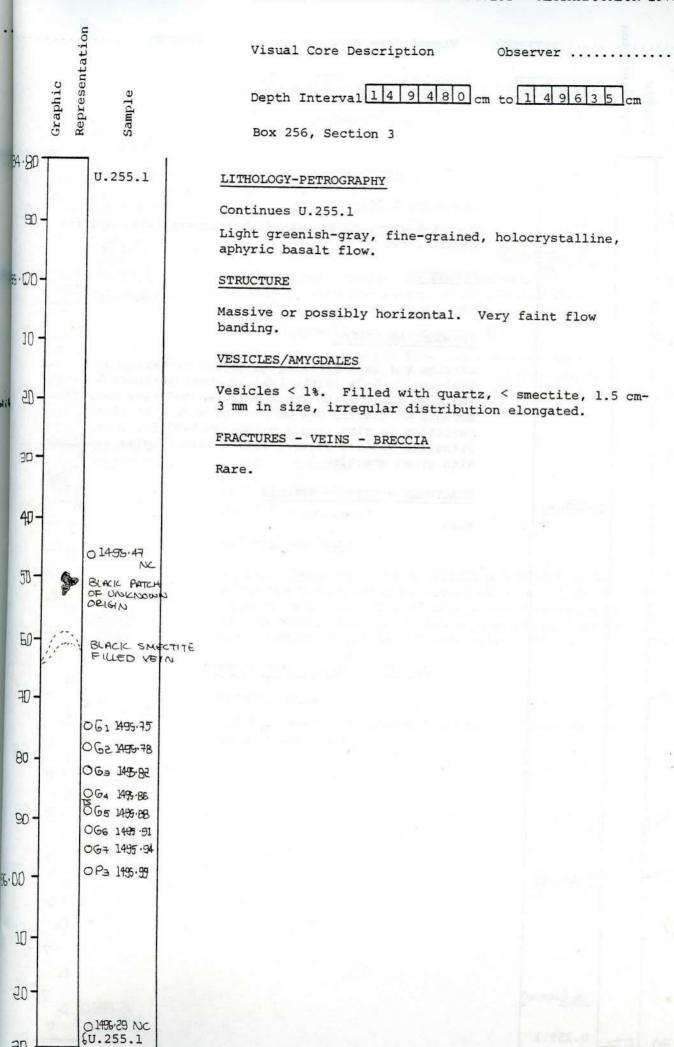
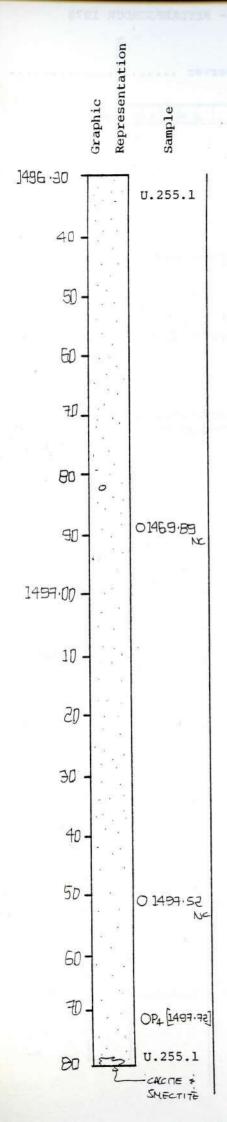
Representation Observer Visual Core Description Depth Interval 1 4 9 0 2 1 cm to 1 4 9 1 7 6 cm sraphic Sample Box 253, Section 4 1491.71 mun LITHOLOGY-PETROGRAPHY U.255.1 Continues U.255.1 OZHE [1490:30] DE 1490.30 - Vug filled with apophyllite (?) and calcite. VUG FILLED Light-gray, fine-grained, holocrystalline, equigranular, WITH APOPHYLLITE (2) É CALCITE aphyric basalt flow. 40 STRUCTURE Massive 5D-0 VESICLES/AMYGDALES 0 1490.58 Vug at 1490.30 is filled with apophyllite and calcite, 6n LEYI,S. with calcite later than the apophyllite. Vesicles in this section are fewer in number but are larger with O 1490 .66 well developed quartz, calcite, apophyllite and NC 70green smectite. Vesicles ∿ 1% of section. Vesicles randomly distributed. Vesicles elongated 2 cm-4 mm, equal dimensional. filled vesicles are 8 mm - < 1 mm in size. 80 Vesicles dip - 0.15°, angle varies. MHILE SEOCILE(S. 90. CALCITE EUHEDRAL QTZ, CRYSTAIS. WHITE ZEOLITE & CALCITE APPEAR TO HAVE BEEN 1491.00 DEPOSITE D BEFORE QUARTE. Z WHITE ZEOLITE (2) GREEN SMECTITE 10 32 WHITE ZEOLITE GREEN SHECTITE 0 FRACTURES - VEINS - BRECCIA 20 Rare 30 41 OB 1491.42 0 1491.47 50 **5**h U.255.1







30



Observer

Depth Interval 1 4 9 6 3 5 cm to 1 4 9 7 8 5 cm

Box 256, Section 4

LITHOLOGY-PETROGRAPHY

Continues U.255.1

Greenish-gray, fine-grained, holocrystalline, aphyric basalt flow.

STRUCTURE

Massive

VESICLES/AMYGDALES

Section # 4 is increasing in amount of vesicles. Vesicles $^{\circ}$ 3%-2%, until 1497.30 where vesicles $^{\circ}$ 4%-5%. Vesicles filled with green smectite and very subordinate amounts of quartz, 3-4 mm average size with little variation in size range, except at 1497.80, 2 cm irregular vesicle occurs, filled with calcite and lined with green smectite.

FRACTURES - VEINS - BRECCIA

Rare

Representation Graphic O 1497.88 NC 80 U.255.1 DA BRECCIA 90 V 0 1497 95 V U. 255.1 ·DD U.257.1 E BEDDED 10 20 30 U.257.1 U.257.2 4 V 90. 0 Δ D 01498.58 V 61 LEVI, S. Δ V Δ 70 -4 80 Δ V O 1498.85 NC 1 90 Δ 0 1498.95 LEVIIS. .00 Δ V 1 10 1 0

Visual Core Description

Observer

Depth Interval 1 4 9 7 8 5 cm to 1 4 9 9 3 5 cm

Box 257, Section 1

LITHOLOGY-PETROGRAPHY

Continues U.255.1

Contact depositional and irregular.

GRAY BRECHA 159-1 LIGHT 157-1 RED BRED WEEN

U.257.1. Red, medium to fine-grained, well indurated sediments, with the bottom 10 cm reworked basalt clast in a yellowish green matrix.

Contact depositional and dipping 30°.

U.257.2 Grayish green flow top breccia, clasts larger than the diameter of core. Clasts are gray amygdale basalt fragments with amygdale filling, white zeolite and yellowish green epidote.

STRUCTURE

U.255.1 Brecciated

U.257.1 Bedded

U.257.2 Brecciated

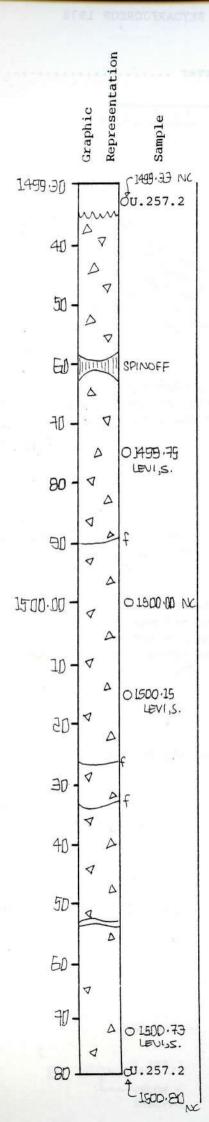
VESICLES/AMYGDALES

U.257.2 Vesicles $^{\circ}$ 30% of clasts and filled with white zeolite, ranging in size from 1 cm - 1 mm. 1498.68 Vesicles $^{\circ}$ 10% of clasts and decreasing in average size, vesicles filled with green epidote and minor amount of quartz (?) and zeolite (?).

FRACTURES - VEINS - BRECCIA

U.257.1 Rare

U.257.2 Fresh, irregular fractures that may be due to swelling clays.



Observer

Depth Interval 1 4 9 9 3 5 cm to 1 5 0 0 8 8 cm

Box 257, Section 2

LITHOLOGY-PETROGRAPHY

Continues U.257.2

Brecciated flow top highly altered to yellowish-green coloration, due to epidote in groundmass and in vesicles down to 1500.50 meters, where vesicles are filled with green smectite and white zeolite.

1500.53 Transition from high brecciated to less brecciated and also transition in vesicle filling, going from epidote to green smectite and white zeolite.

STRUCTURE

1499.35-1500.53. Brecciated

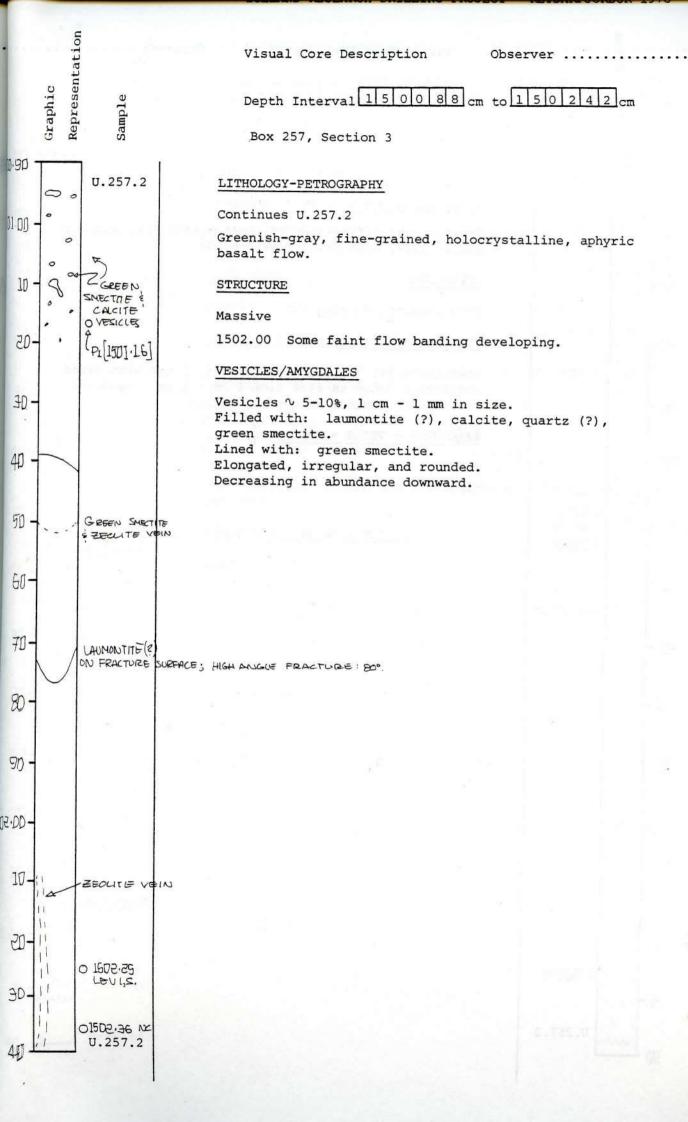
1500.53-1500.88. Less Brecciated

VESICLES/AMYGDALES

Vesicles ∿ 15-20%, irregular and rounded filled with quartz (?), white zeolite (?) and green epidote and minor calcite.

FRACTURES - VEINS - BRECCIA

Fractures seem to be hammer breaks.



Visual Core Description Observer

Depth Interval 150242 cm to 150388 cm

Box 257, Section 4

Filled with calcite, lined with green

Greenish-gray, fine-grained, holocrystalline, aphyric

smectite. Range in size from 1 cm - 1 mm. Randomly

basalt flow, with faint flow banding.

distributed. Minor amounts of quartz.

LITHOLOGY-PETROGRAPHY

Flow banding, dipping 30°.

FRACTURES - VEINS - BRECCIA

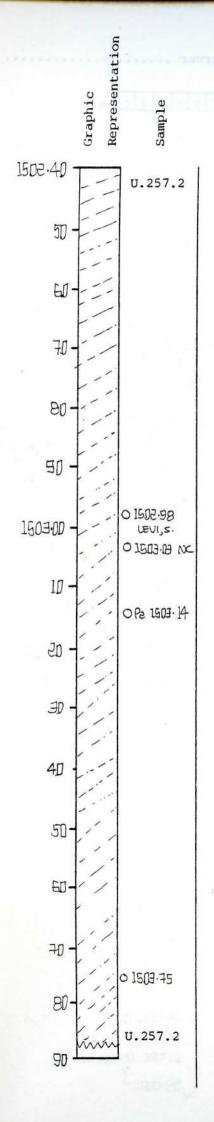
Continues U.257.2

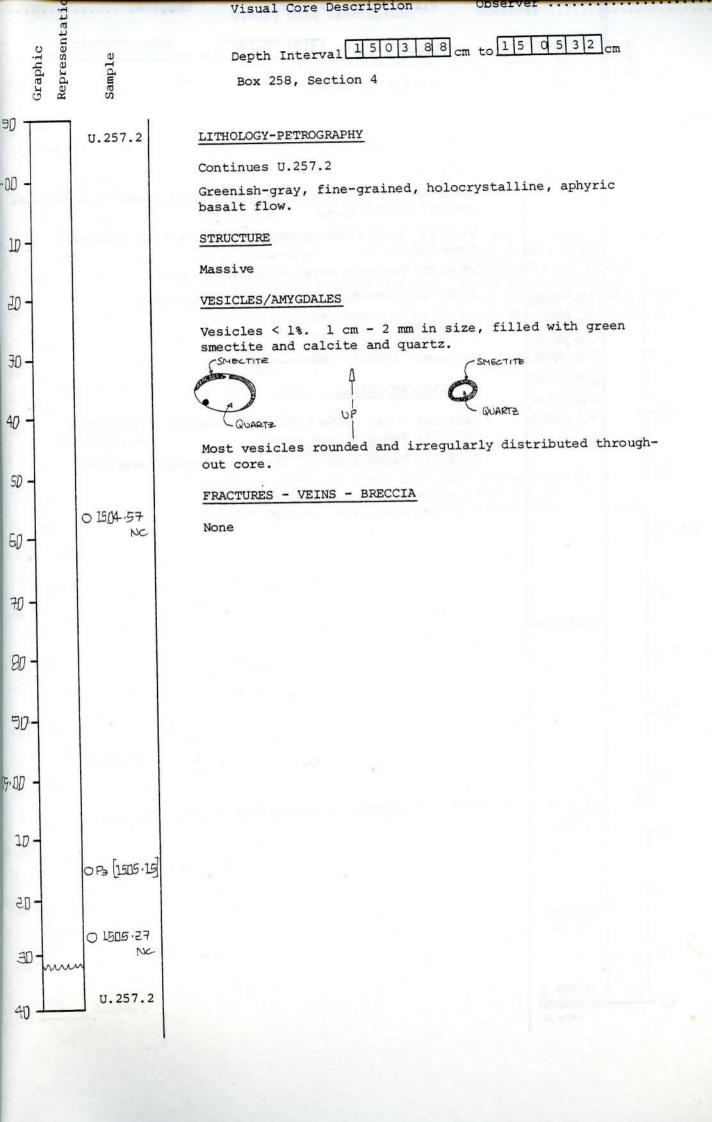
VESICLES/AMYGDALES

Vesicles ∿ 1%.

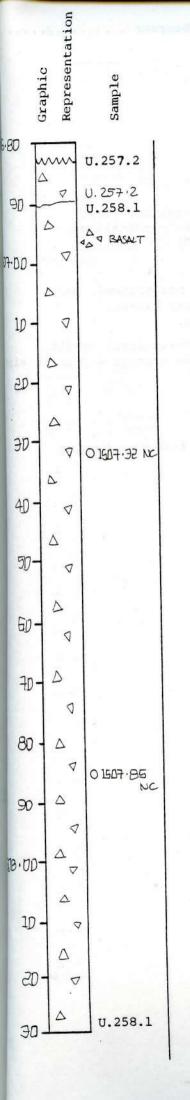
STRUCTURE

None





Representation Visual Core Description Observer .. Graphic 5 3 2 cm to 1 5 0 6 8 3 150 Depth Interval Sample Box 258, Section 2 1505.30 m U.257.2 LITHOLOGY-PETROGRAPHY Continues U.257.2 40 Greenish-gray, fine-grained, holocrystalline, equigranular, aphyric basalt flow. 1506.44 Vesiculated fragment with smectite filling 50 vesicles. 1506.63 Slightly more vesiculated region Transition to flow bottom breccia. 1506.73 ED! OG1 [1505-61] OG2 1505-64 STRUCTURE OG a [1505.67] 7D OP4 [1505.70] Massive. 1506.73 Brecciated. QG4 [1505·74] VESICLES/AMYGDALES 065 [1506:78] 20 . OG1 [1905-RI Vesicles < 1%. Size 1 cm, 1 mm rounded, filled with calcite, smectite and quartz. OG7[505.85] 1506.73 Laumontite (?) filling irregular vesicles. 90 1506.00-10. 01906:15 NC 20 FD 40. VESICULATED FRAGMENT WITH SMECTITE FILLING VESICLES. 0 1506.45 LEVI,S. 50 60 0 1506.63 LEUI,S. T Δ V U.257.2 80 J 1506.80 ر الاعا



Visual Core Description Depth Interval 150683 cm to 150835 cm

Observer

Box 258, Section 3

LITHOLOGY-PETROGRAPHY

Continues U.257.2

U.257.2 Deposited on Unit 258.1 with an irregular depositional contact.

U.258.1 Reddish brown - scouraceous flow top breccia with laumontite (?) filled vesiculated clasts. The vesiculated clast also contain minor amounts of calcite, but quartz and epidote was not noticed in this section (# 3) which may be due to the decrease in porosity of this flow top breccia verses other flow top breccias or portions of the breccia.

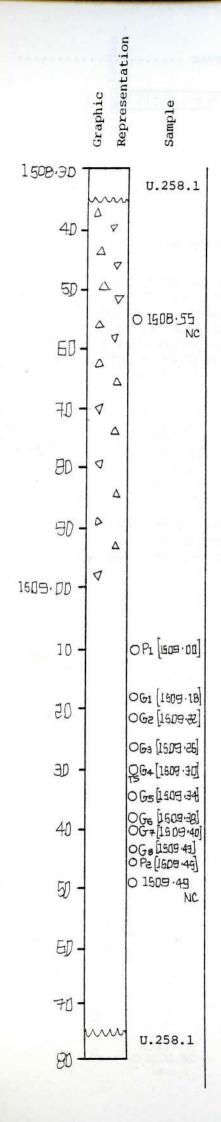
STRUCTURE

U.257.2 Brecciated

Brecciated U.258.1

FRACTURES - VEINS - BRECCIA

Irregular fresh fractures throughout the section, U.258.1 with no secondary mineralization occurring on the fracture plane. Fractures may be due to swelling clays.



Observer

Depth Interval 1508 35 cm to 15 0975 cm Box 258, Section 4

LITHOLOGY-PETROGRAPHY

Continues U.258.1

Brecciated flow top greenish-gray coloration, clast not as vesiculated. Clast, aphyric, holocrystalline, fine-grained basalts. (1508.35-1509.00)

1508.60 Epidote appears and quartz.

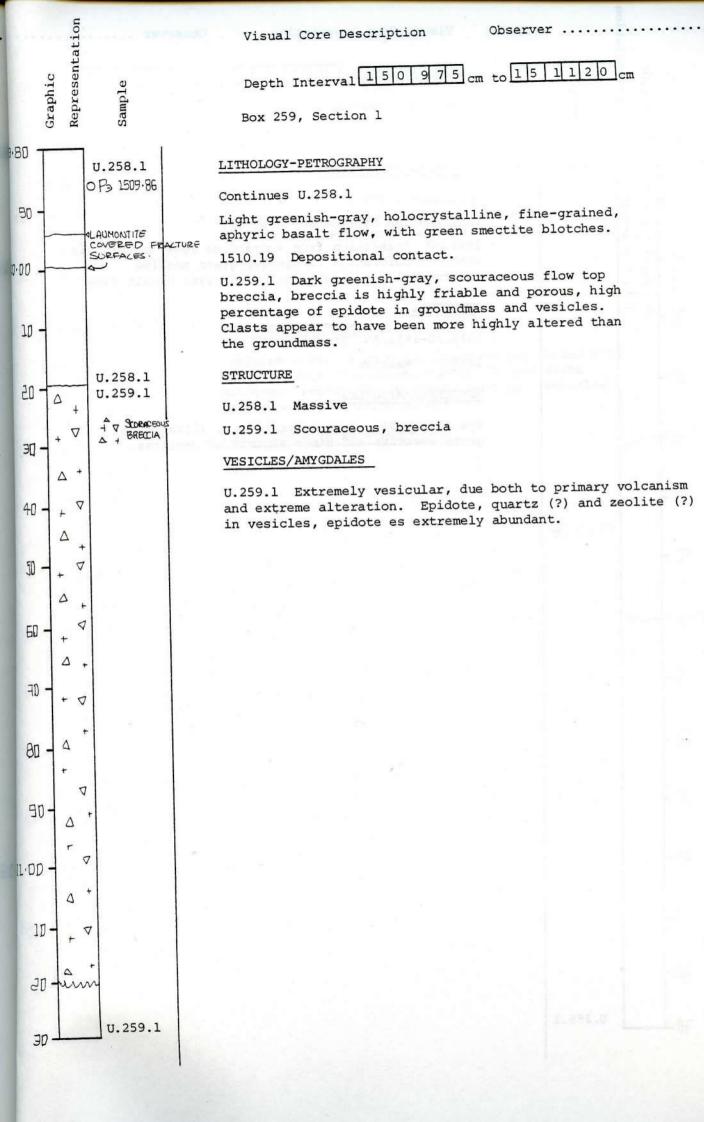
1509.00 - 1509.51 Epidote and quartz not noticed, and transition to more massive greenish-gray basalt, holocrystalline, fine-grained, aphyric.

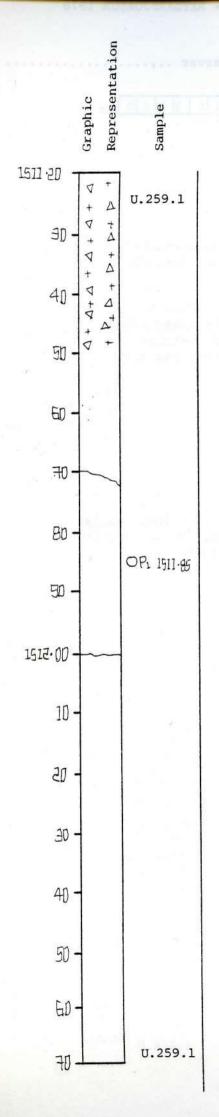
1509.51 Transition to slightly more vesiculated basalt, vesicles filled with green smectite and average 4-3 mm in size.

STRUCTURE

1508.35-1509.00 Brecciated

1509.00 Massive, possibly faint flow banding, dipping 40°.





Observer

Depth Interval 151120 cm to 151275 cm

Box 259, Section 2

LITHOLOGY-PETROGRAPHY

Continues U.259.1

Continuation of flow top breccia.

1511.50 Transition from scoraceous flow top breccia with red coloration to grayish-green massive holocrystalline, equigranular, aphyric basalt flow.

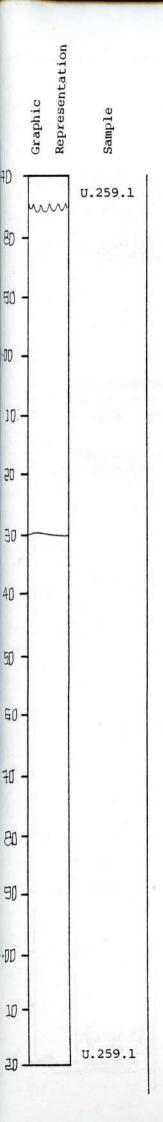
STRUCTURE

1511.20-1511.50 Brecciated

1511.50 Massive

VESICLES/AMYGDALES

Vesicles \circ 5%. 3 mm average size, filled with green smectite and minor amounts of zeolites.



Observer

Depth Interval 151275 cm to 151420 cm

Box 259, Section 3

LITHOLOGY-PETROGRAPHY

Continues U.259.1

Greenish-gray, holocrystalline, medium-grained, equigranular, aphyric basalt flow.

STRUCTURE

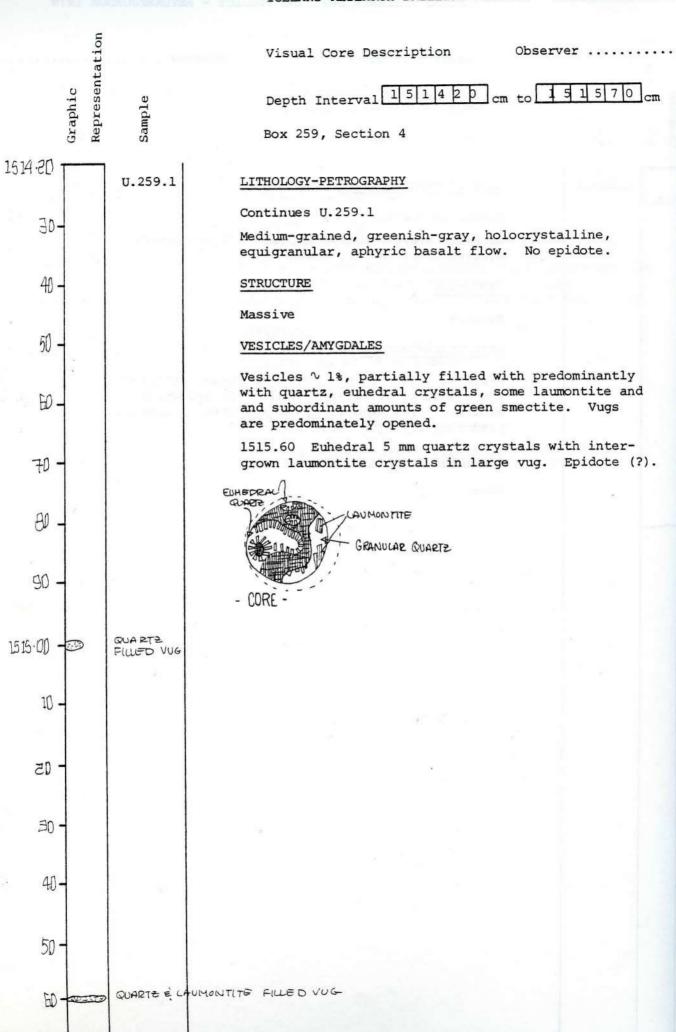
Massive

VESICLES/AMYGDALES

Vesicles $^{\circ}$ 5%. 1 cm - 1 mm size range, filled with minor amounts of calcite, quartz (?) and white zeolite. Predominantly green smectite. Vesicles predominantly equidimensional.

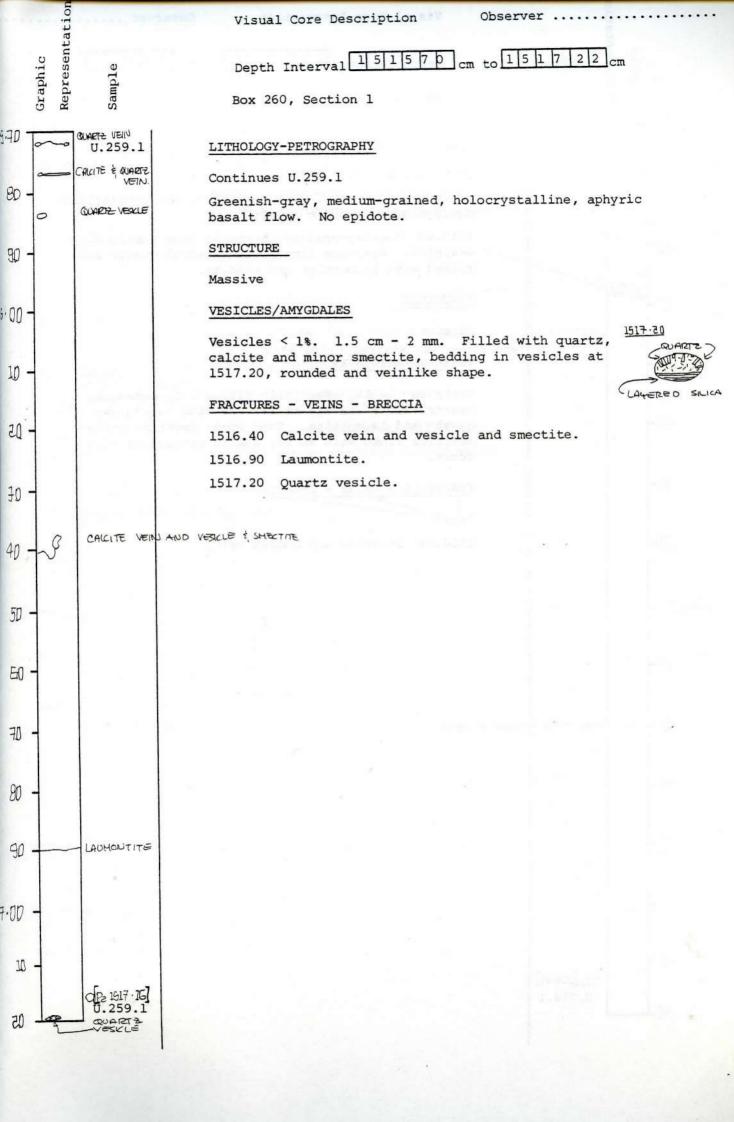
FRACTURES - VEINS - BRECCIA

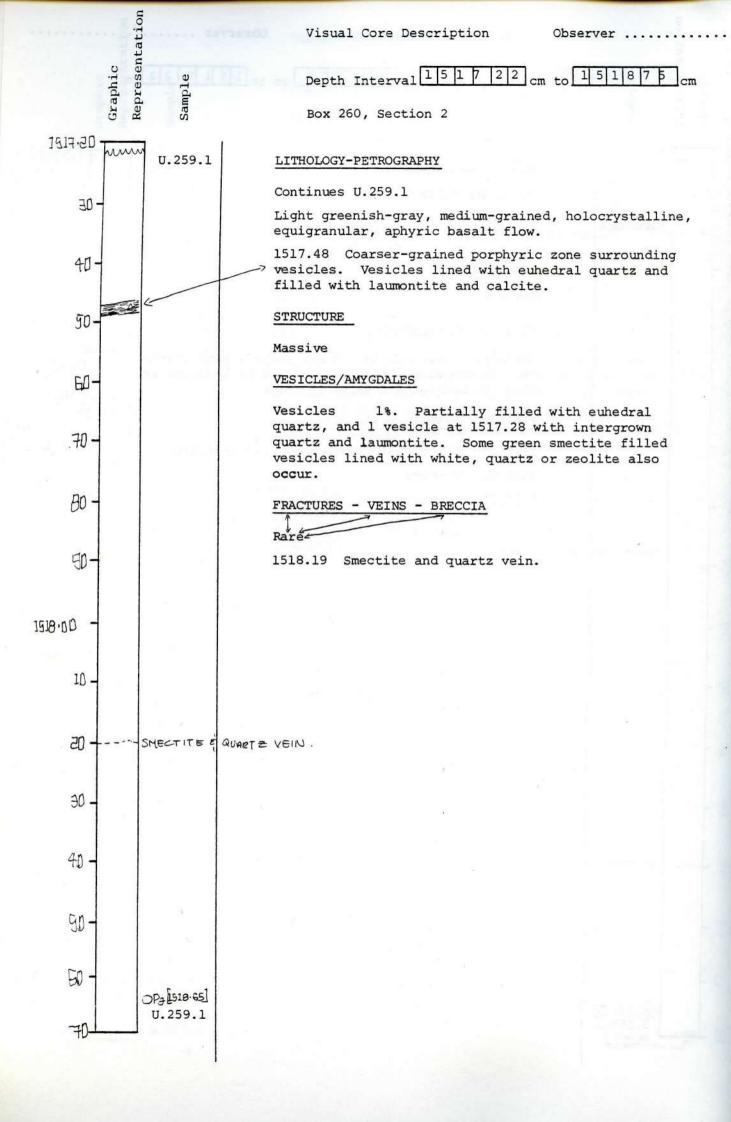
Rare

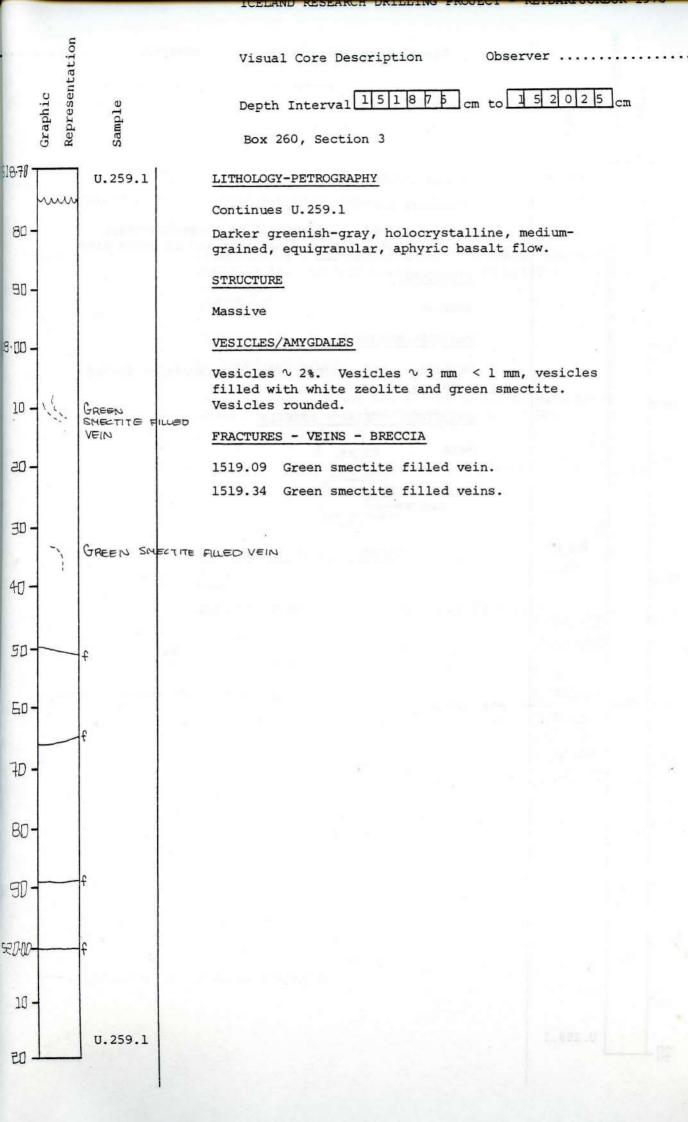


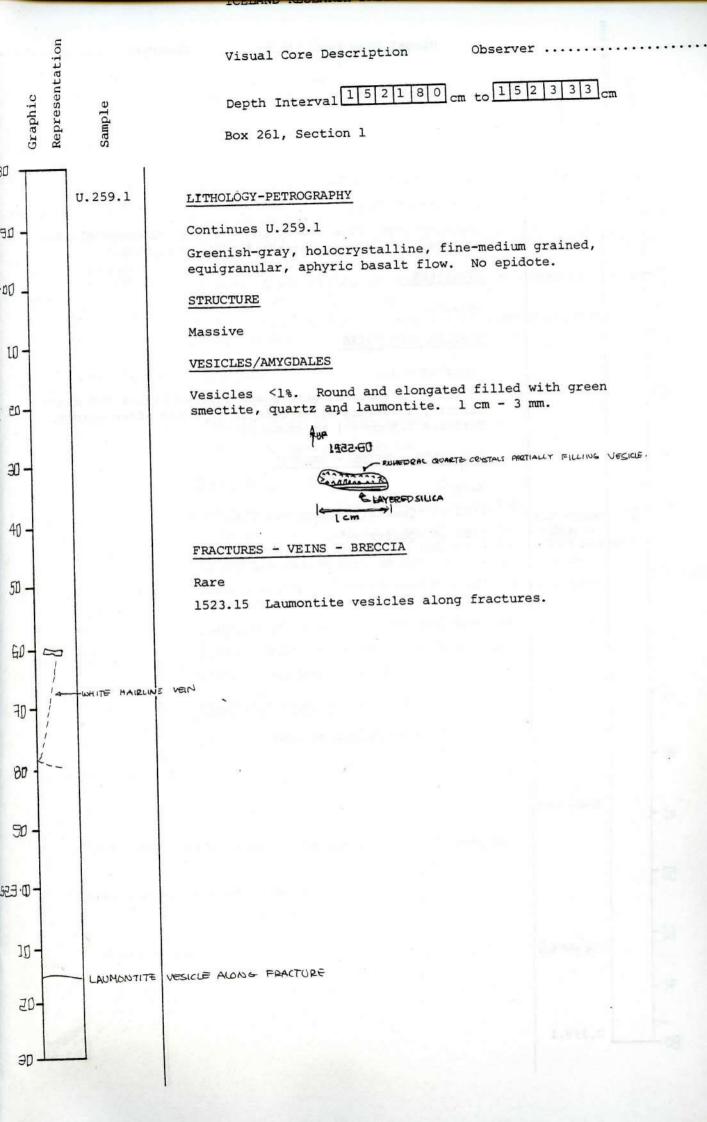
U.259.1

70

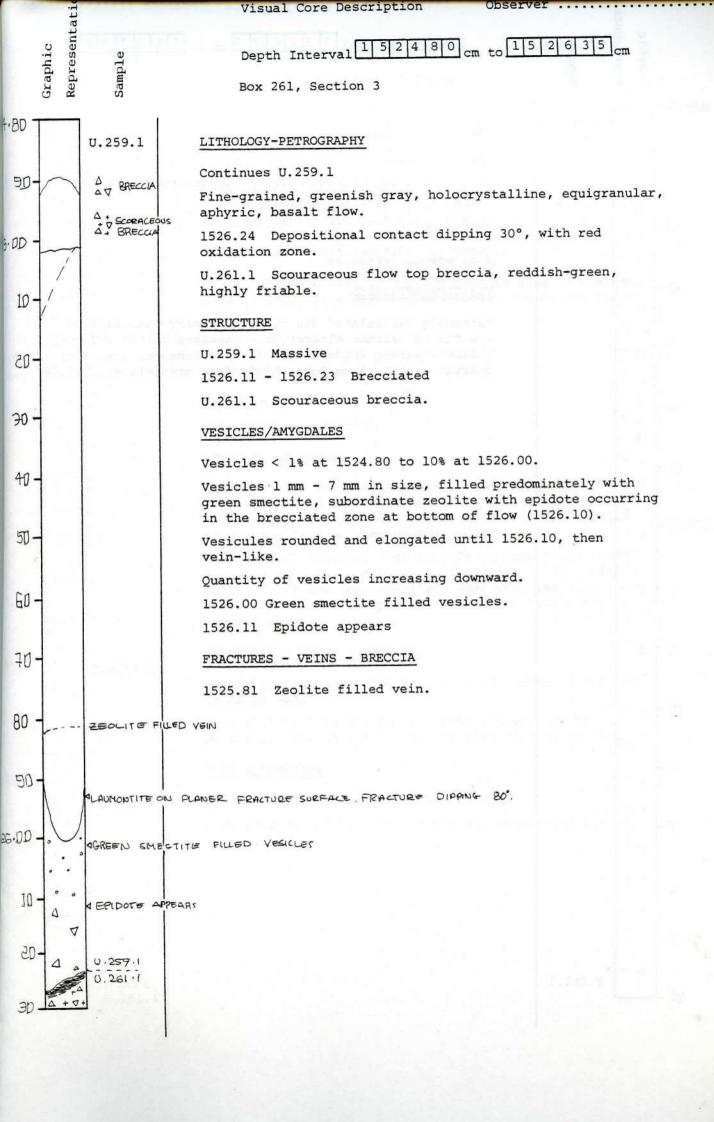








Representation Visual Core Description Observer Depth Interval 1 5 2 3 3 3 cm to 1 5 2 4 8 0 cm Graphic Sample Box 261, Section 2 1523.3D LITHOLOGY-PETROGRAPHY U.259.1 Continues U.259.1 40-Greenish-gray, fine to medium-grained, holocrystalline, equigranular, aphyric basalt flow. No epidote. 0 STRUCTURE 50-Massive 60 VESICLES/AMYGDALES Vesicles ∿ 1%. Filled with euhedral quartz and layered silica and minor 70. calcite, 1 vesicle shows calcite crystals after quartz. Vesicles 1.5 cm - 1 mm rounded. 80 FRACTURES - VEINS - BRECCIA Rare Quartz, calcite vesicle. 1523.90 9D -0 QUARTE - CALCITE VENCLE 1524.40 Quartz vein. 1524.00 11) D. H QUARTZ YEIN 40 50 60. OP5 [1524-63] 70 U.259.1 80



Observer

Depth Interval 1 5 2 6 3 5 cm to 1 5 2 7 8 0 cm

Box 261, Section 4

LITHOLOGY-PETROGRAPHY

Continues U.261.1

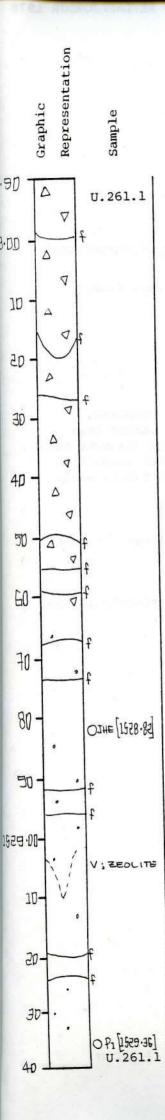
Highly friable, yellowish-green, scouraceous flow top breccia, pervasively altered.

STRUCTURE

Scouraceous, breccias.

VESICLES/AMYGDALES

Extremely vesiculated due to both primary vesiculation and due to extreme alteration. Vesilces filled with yellowish-green epidote crystals and euhedral quartz crystals, quartz crystals 5 mm long, heulandite crystals at 1527.09.



Observer

Depth Interval 1 5 2 7 8 7 cm to 1 5 2 9 4 3 cm

Box 262, Section 1

LITHOLOGY-PETROGRAPHY

Continues U.261.1

Upper part of section to 1528.51 is green, porous, crumbly, highly altered basalt breccia. Rock is pervasively altered to chlorite (?) abundant epidote and quartz.

Interpreted as altered flow top breccia.

From 1528.51 to base of section rock is gray to slightly reddish-gray, fine-grained, moderatley vesicular, aphyric basalt.

Massive central part of a lava flow.

STRUCTURE

Brecciated.

From 1528.51 - Massive

VESICLES/AMYGDALES

In upper part vesicles are partly open, make up $^{\circ}$ 5% and range from 2-10 mm. Most are lined with green sphere on which grows well formed crystals of quartz and epidote projecting into an open central cavity.

From 1528.51 vesicles 3-4% to 1-2% at base of section. Most are 2-20 mm, spherical to irregular, filled with chlorite (?) and some calcite. Some vesicles with open centers are lined and partly filled with quartz and laumontite.

FRACTURES - VEINS - BRECCIA

No obvious primary fractures or veins. Rock breaks and crumbles easily.

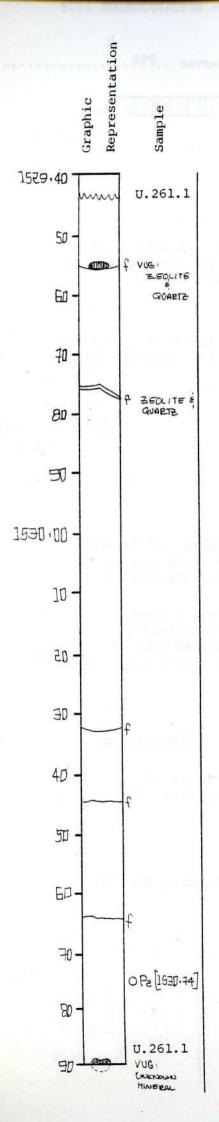
From 1528.51 most fractures subhorizontal, due to drilling. One zeolite filled veinlet dips about 75°.

ROCK ALTERATION

Extensive pervasive altered to epidote.

From 1528.51 - Rock is reddish-gray, moderately altered.

ICELAND RESEARCH DRILLING PROJECT - REYDARFJORDUR 1976



Visual Core Description

Observer ...PTR

Depth Interval 1 5 2 9 4 3 cm to 1 5 3 0 9 6 cm

Box 262, Section 2

LITHOLOGY-PETROGRAPHY

Continues U.261.1

Gray to faintly reddish- or greenish-gray, fine-grained aphyric basalt.

Interpreted as massive central part of a lava flow.

STRUCTURE

Massive

VESICLES/AMYGDALES

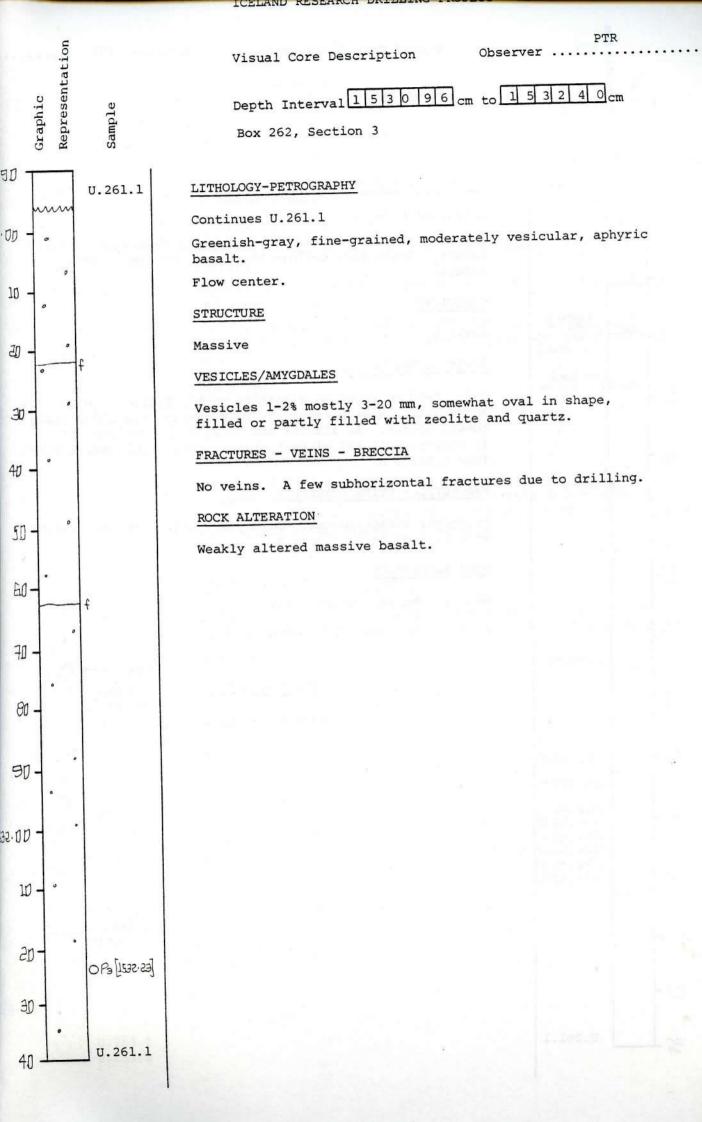
Vesicles 1-3%, 2 mm to 5 cm, spherical to elongate, smaller ones filled with chlorite (?) and larger ones lined with chlorite and filled with zeolite (laumontite?). Large vugs @ 1529.55 and 1529.77 filled with laumontite and quartz. One @ 1530.96 filled with unknown mineral.

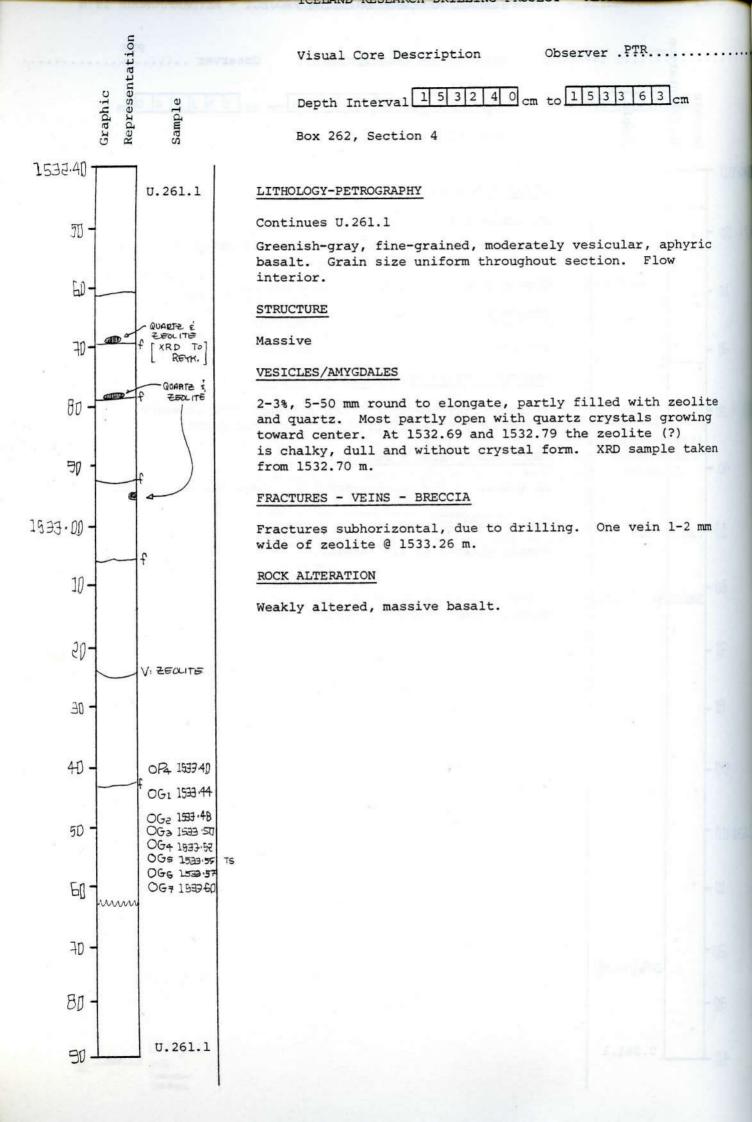
FRACTURES - VEINS - BRECCIA

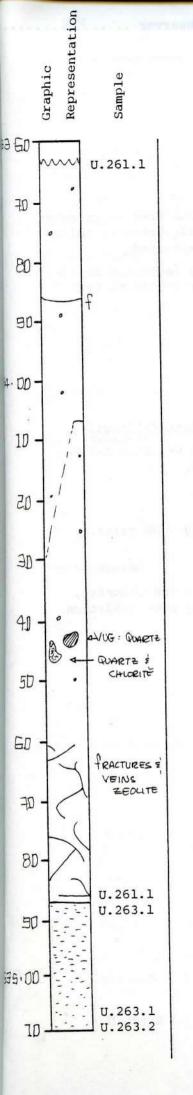
Fractures all sub-horizontal, due to drilling. No veins

ROCK ALTERATION

Rock is weakly to moderately altered. Distinctly fresher than altered flow top breccia of Section 1.







Observer ...PTR...

Depth Interval 1 5 3 3 6 3 cm to 1 5 3 5 1 2 cm

Box 263, Section 1

LITHOLOGY-PETROGRAPHY

Continues U.261.1

Greenish-gray, fine-grained, aphyric, sparsely vesicular basalt.

Depositional contact with sedimentary interbed. No apparent chilling.

U.263.1 Red, silty to sandy, moderately to poorly bedded sedimentary interbed. Deposition contact with underlying flow.

STRUCTURE

U.263.1 Bedded

VESILCES/AMYGDALES

U.261.1 Vesicles sparse, 1-2% mostly 4-30 mm. Most are somewhat oval or elongate, filled or partly filled with zeolite and quartz. Larger ones usually have open centers with crystals projecting into cavity.

U.263.1 None

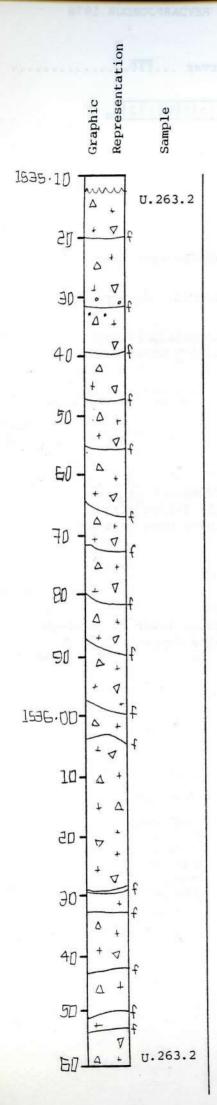
FRACTURES - VEINS - BRECCIA

U.261.1 Veins and fractures sparse except in lower 30 cm where rock is highly fractured along zeolite veins dipping about 70°.

U.263.1 None

ROCK ALTERATION

U.263.1 Some cavernous zones.



Observer PTR

Depth Interval 1 5 3 5 1 2 cm to 1 5 3 6 6 5 cm

Box 263, Section 2

LITHOLOGY-PETROGRAPHY

Continues U.263.2

Red and green, highly altered scoriaceous breccia to about 1536.30 m. Below rock is highly altered, green in color, highly vesicular but not apparently brecciated.

1536.30 Green, highly altered, crumbly vesicular basalt. Does not appear to be brecciated but difficult to tell because of high alteration.

STRUCTURE

Brecciated

VESICLES/AMYGDALES

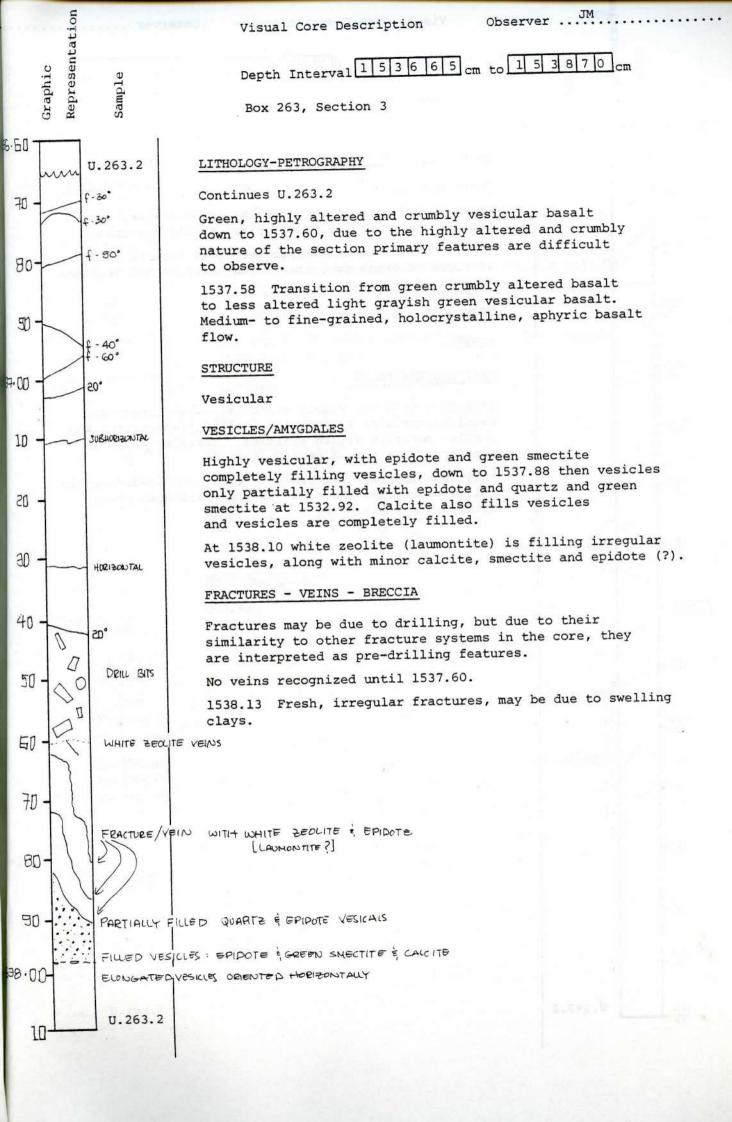
Highly vesicular, with epidote and zeolite fillings. 1536.30 Highly vesicular, 15-20%, most vesilces 1-2 mm, round, filled with chlorite and epidote.

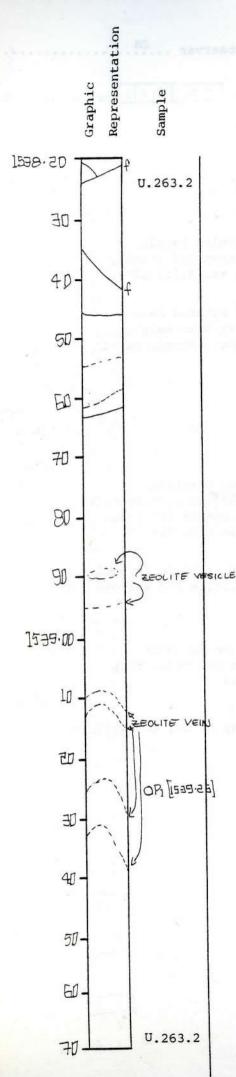
FRACTURES - VEINS - BRECCIA

Fractures subhorizontal, due to drilling. No veins.

ROCK ALTERATION

Entire section highly altered to epidote and chlorite, upper parts somewhat reddish, suggesting some oxidation.





Observer

Depth Interval 1 5 3 8 2 0 cm to 1 5 3 9 7 5 cm

Box 263, Section 4

LITHOLOGY-PETROGRAPHY

Continues U.263.2

Greenish-gray, medium-grained, holocrystalline, equigranular, aphyric basalt flow, highly vesicular.

1539.10 Transition from predominately zeolite filled vesilces to green smectite filled vesilces and decrease in size of vesicles.

STRUCTURE

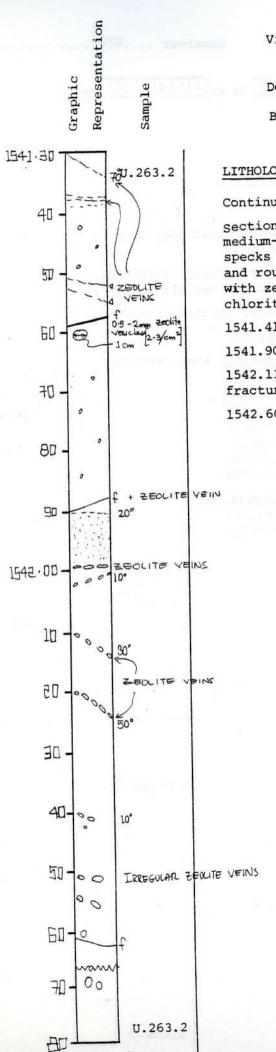
Massive

VESICLES/AMYGDALES

1538.20 - 1539.10 Highly vesicular, with irregular veinlike vesicles filled with zeolite (laumontite) and smaller smectite filled vesicles. Vesicles range in size from less than 1 mm to $^{\circ}$ 1 cm.

1539.10 - 1539.75 Vesicles - smaller and predominately filled with green smectite and some yellowish green epidote.

ObserverHUS. Representation Visual Core Description Depth Interval 1 5 3 9 7 5 cm to 1 5 4 1 2 7 cm Graphic Sample Box 264, Section 1 180 LITHOLOGY-PETROGRAPHY U.263.2 ZEOLITE VEINS Continues U.263.2 Gray-greenish, medium-grained holocrystalline, aphyric 90 equigranular basalt. Most vesicles small and filled with green chlorite ?, ca 10%, with red mineral (hematite ?) vesicle filling? ·OD Top 1/3 with < 1 mm ϕ discontinuous zeolite veinlets. 1540.59 Minor zeolite vesicle zone. 10 1541.11-1541.26 Major zeolite vesicle zone, vesicle (drilling) sheets with zeolites. -ZEOLITE VEILLS 20 STRUCTURE Massive 30 · VESICLES/AMYGDALES Mostly < 2 mm ϕ , smectite/quartz-filled. 40 FRACTURES - VEINS - BRECCIA Dip ∿ 50°. 50. ROCK ALTERATION Quartz. 00 .00 ZEOLITE IN 60-VESICLES OP2 [1540.67] OG1 [1540 +7] 70 OG2[1540.74] OG3[540.77] OG4 [1540 80] 80 OG5 [1540 · 84] OG6 [1941.87] OG7 [1540.90] 91 54I.DD. 10-0 ZEDLITE FILLED VESICLES 20° U.263.2



HUS Observer

54

Depth Interval 1 5 4 1 2 7 cm to 1 5 4 2 6 7 cm

Box 264, Section 2

LITHOLOGY-PETROGRAPHY

Continues U.263.2

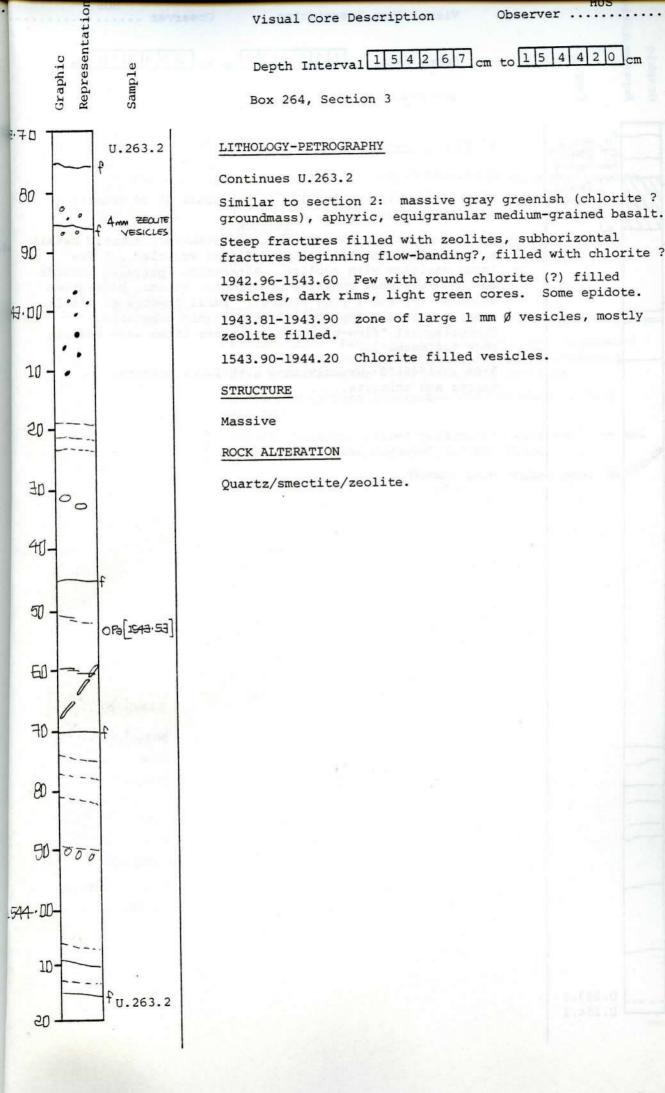
section similar to section 1: gray, massive, aphyric, medium-grained basalt with abundant .5-3 m greenish specks (= chlorite ?, mesortasig and altered mafics ?) and round vesicles or fractures, often an echelon filled with zeolite. Some fractures filled with smectite? chlorite?

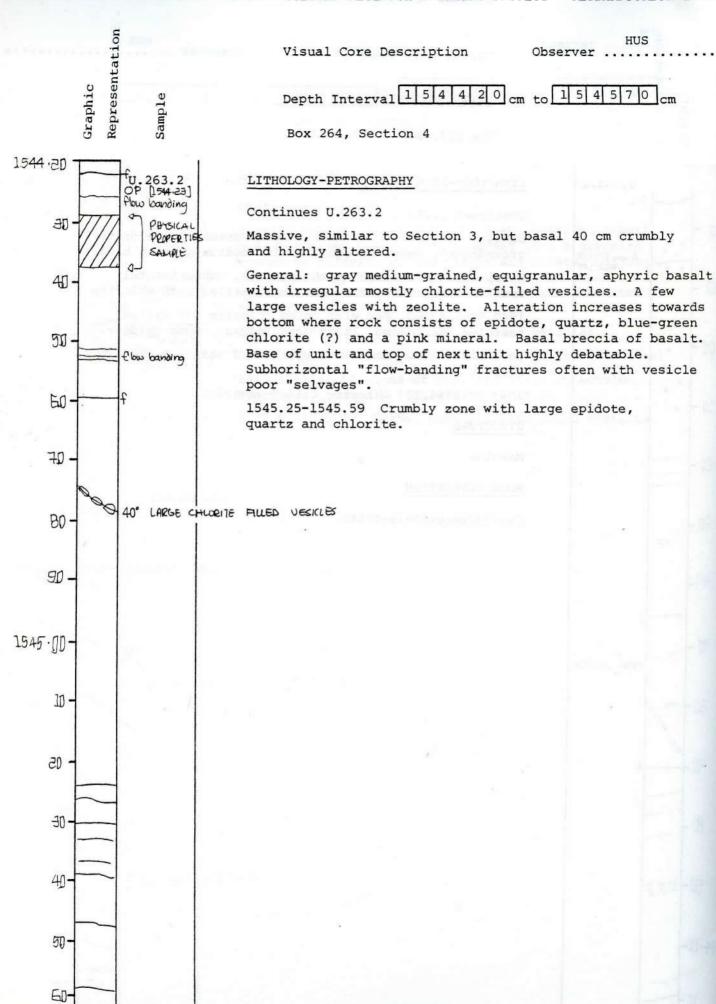
1541.41-1541.90 Zone of small round vesicles.

1541.90-1541.99 Many small vesicles (transition zone).

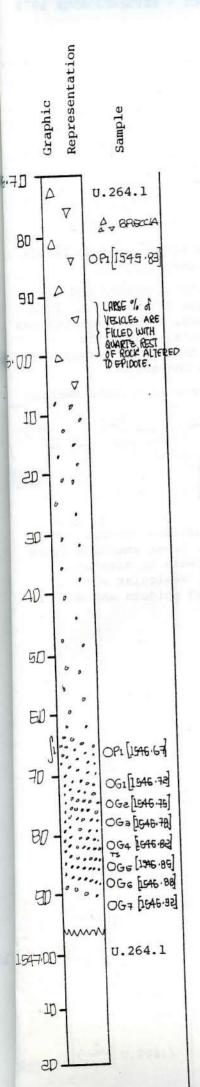
1542.13-1542.56 Zone of subhorizontal, en echelon fractures, commonly filled with zeolites.

1542.60-1542.70 Large, partly filled round vesicles.





U.263.2 U.264.1



Observer

Depth Interval 1 5 4 5 7 0 cm to 1 5 4 6 9 6 cm

Box 265, Section 1

LITHOLOGY-PETROGRAPHY

Continues U.264.1 Green flow top breccia grading down to green amygdale basalt flow.

STRUCTURE

1545.70-1546.10 Brecciated

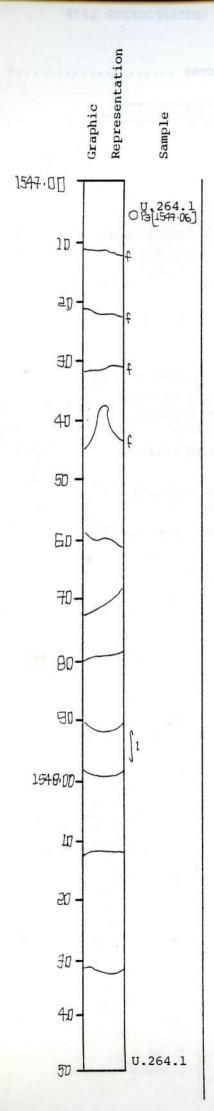
1946.10 - Beginning amygdale

VESICLES/AMYGDALES

Vesicles 20%. Range in size (2 cm - 1 mm), elongated and rounded, green smectite, yellow-green epidote, large euhedral quartz crystals fill vesicles.

Quartz and epidote intergrown with smectite lining vesicles.

1546.65 Vesicles filled predomintly with smectite and decreasing in size downward and abundance.



Observer

Depth Interval 1 5 4 6 9 6 cm to 1 5 4 8 5 0 cm

Box 265, Section 2

LITHOLOGY-PETROGRAPHY

Continues U.264.1

Alternating between green and greenish-gray amygdale basalt flow. Coarse- to medium-grained, holocrystalline.

1547.61 - Light greenish-gray band with elongated and oriented smectite vesicles (?) and flow (?) banding. This zone may be a contact between two flows, or sediment between two flows or alteration along a fracture. Since the lithology doesn't change across this zone it is interpreted to be a highly altered zone and not a contact.

1547.93 Appears to be an altered dike with chilled margins or alteration along fractures.

LOWER BOUNDARY SHAKP

UPPER CONTACT

GRADATIONA

STRUCTURE

Amygdale

VESICLES/AMYGDALES

Vesicles ∿ 15-20%, laumontite fills vesicles in gray zones and epidote and quartz in green zones, green smectite lines vesicles in both zones. Vesicles increase in size at 1547.20-1548.50. Below 1547.50 highly vesicular with vesicules filed with green smectite and epidote and quartz.

Observer

Depth Interval 1 5 5 0 0 0 cm to 1 5 5 1 4 7 cm

Box 265, Section 4

LITHOLOGY-PETROGRAPHY

Continues U.264.1

Green, highly altered, amygdale basalt flow with pervasive epidote alteration.

1550.32 Transition from highly altered green amygdale basalt flow to grey less altered basalt flow with a decrease in vesicles.

Fine- to medium-grained gray, holocrystalline, equigranular, aphyric basalt flow.

STRUCTURE

Amygdale - becoming more massive and less amygdale

VESICLES/AMYGDALES

Vesicles filled with quartz and epidote.

Vesicules irregular, rounded and elongated, filled with green smectite and white zeolite (laumontite). 2 cm - 1 mm size range. 10% of section. Minor amount of calcite with laumontite in vesicles.

FRACTURES - VEINS - BRECCIA

1550.32 downward. Irregular fresh fractures with no secondary mineralization, and fracturing may be due to swelling clays.

Visual Core Description Observer

Representation Graphic Sample 61·5D -^fu.264.1 E0 -DF. ZEOLITE BO 91 M5-00-10. 50. D. 40. 50. 60-70. 80-90. U.264.1 1953.00

LITHOLOGY-PETROGRAPHY

Box 266, Section 1

Continues U.264.1

Greenish-gray, fine-grained holocrystalline, aphyric basalt.

STRUCTURE

Very slight flow banding in center of section defined by stringers of chlorite or smectite.

Depth Interval 1 5 5 1 4 7 cm to 1 5 5 2 9 3 cm

VESICLES/AMYGDALES

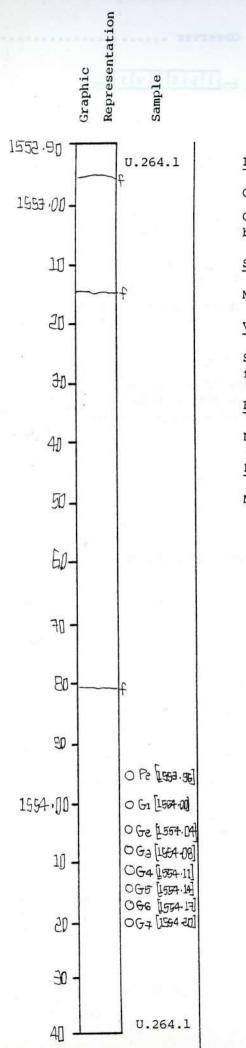
Vesicles about 2%, most 3-15 mm, some 25 cm, round to oval, filled with zeolite and some with quartz crystals. Several amygdules at top of section - others scattered.

FRACTURES - VEINS - BRECCIA

One veinlet of zeolite dips 80°.

ROCK ALTERATION

Moderately fresh - chlorite or smectite in groundmass.



Observer

Depth Interval 1 5 5 2 9 3 cm to 1 5 5 4 4 5 cm

Box 266, Section 2

LITHOLOGY-PETROGRAPHY

Continues U.264.1

Greenish-gray, fine-grained, holocrystalline, aphyric basalt.

STRUCTURE

Massive

VESICLES/AMYGDALES

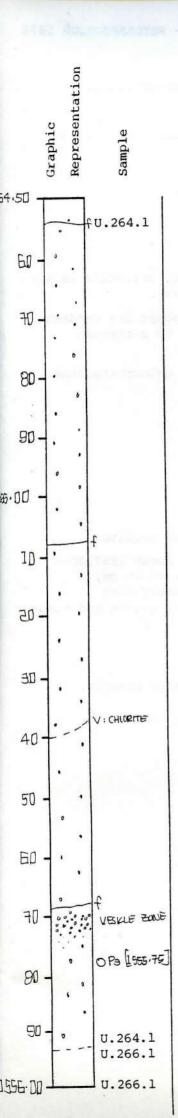
Sparsely vesicular $^{\circ}$ 1% of round vesicles mostly 5-15 mm, filled with zeolite and minor quartz.

FRACTURES - VEINS - BRECCIA

No primary fractures. No veins.

ROCK ALTERATION

Minor green chlorite in interstitial zones.



Visual Core Description Observer

Depth Interval 1 5 5 4 4 5 cm to 1 5 5 6 0 0 cm

LITHOLOGY-PETROGRAPHY

Box 266, Section 3

Continues U.264.1

Greenish-gray, fine-grained, holocrystalline aphyric basalt.

Contact dips about 40-45°. Contact is depositional in breccia of next lower unit. There is a fine-grained base but not a chill zone. Vesicles are very small at base.

U.266.1 Gray to reddish gray, brecciated aphyric basalt.

STRUCTURE

Massive (U.264.1)

U.266.1 Brecciated

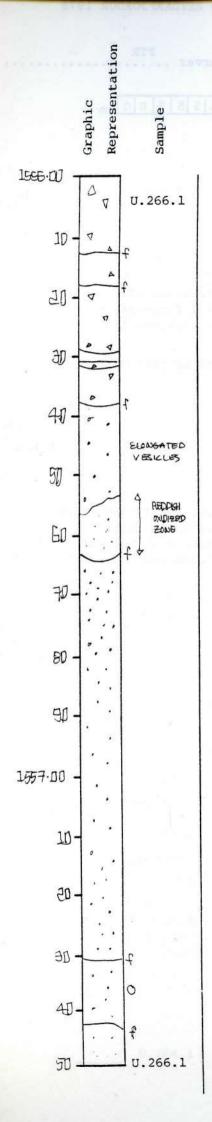
VESICLES/AMYGDALES

U.264.1 Moderately vesicular, 5-10%, most are 2-3 mm round; some about 10 mm, and oval. Smaller ones filled with chlorite, larger ones with zeolite and quartz at base of unit. Vesicles are small and somewhat flattened.

U.266.1 Very sparse.

FRACTURES - VEINS - BRECCIA

U.266.1 Much zeolite in breccia matrix.



Observer

Depth Interval 1 5 5 6 0 0 cm to 1 5 5 7 5 3 cm

Box 266, Section 4

LITHOLOGY-PETROGRAPHY

Continues U.266.1

Upper 30 cm somewhat brecciated, aphyric, vesicular basalt. Mostly light gray to slightly reddish gray.

Below about 1556.30 m rock is massive except for reddish zone; oxidized zone at 1556.60 which may be a breccia fragment.

Rock is grayish-green highly vesicular, holocrystalline, fine-grained, aphyric basalt.

U.266.1 is interpreted as a lava flow.

STRUCTURE

Weakly brecciated.

VESICLES/AMYGDALES

Vesicles filled with calcite, epidote and zeolite.

Vesicles abundant from about 1556.40 to about 1557.30 m then sparse below. Most are 1-2 mm some to 15 cm, subround to oval or irregular, filled mostly with chlorite, a few larger ones have zeolite, quartz and minor calcite. Some of these are lined with chlorite.

FRACTURES - VEINS - BRECCIA

Calcite, zeolite and epidote form matrix of breccia.