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Depth	Sample	(Description)
		Samples start at 1282
1282-85		silvery gr, blocky, soft,
1285-88		dark dirty gr, ultra to very fine x-l, contains some pyrite & many fusilina and gen frag of other fossils.
F 1288-92		dark tan gr (slightly lighter than above), contains some aragonite & pyrite, many fusilina - bigger than those above.
F 1292-94		light gr with dark spots, ultra fine x-l, sub-grainy tex., many fusilina
1294-1300	Δ Δ	ls: as above; Δ is dark amber caramel brn with greasy luster + little paper wh spotted with the other type,
1300-03	Δ Δ	ls: as above; Δ as above; sh: dark gr - almost subblk, ruf surface, some has mica, some does not.
1303-09		ls: gr to light gr + a little amber greasy type; ultra fine x-l, dense, has a very few ostracods & other broken fossil fragments; sh as above
1309-12		ls: as above, sh: light silvery gr with faint grnish tint, contains some mica
1312-16		ls: as above - prob cave; sh: grnish tint gr smooth sh. blky fracture.
1316-20		wh gr, ultra fine - earthy, ruf tex, no fossils seen
1320-25		ls: wh gr, earthy to dusty tex, contains Fusilina & other fossil frag.
1325-29		mixture 50-50 of light grn sh and light choc brn sh grn type is platy, soft; brn type is blky & harder & contains consid. calcite & fusil.
1329-34		gr wh, subearthy tex, filled with Fusilina
1334-40		ls: as above - about 50% of sample; sh: 50% of sample is gr with grn tint + some gr sh with much carbon, & mica, & pyrite.
1340-45		as above
1345-50		as above
1350-55		" "
1355-59		" "
1359-63		sh: grn sh - soft platy, blky hard light choc brn sh containing a little mica;
1362-65		wh gr, gr, + mostly very light amber brn gr, ultra fine x-l.
1365-68		as above
1368-74		as above - many large fusilina -
1374-80		gr sh with grn tint soft, platy; + gr hard blky sh carrying some mica
1380-87		
1387-93		ls: gr, x-l, ultra fine, no fossils seen sh as above
1393-98		gr sh ranging in color from grnish gr to wh gr, soft to hard, with the lighter color type being limy, & contains many long slender curved fusilina
1398-1401		wh, gr wh, ultra fine x-l, x-l tex, carries Fusilina & Bryozoa.
1401-06		ls: as above; sh: very dark gr - almost blk, platy, hard, contains some mica.
1406-10		gr wh with tiny semi-clear amberish brn gr spots and streaks, has few Fusilina
1410-19		ls: as above; sh: grn to grn gr, soft, platy
1419-21		ls: gr with much amb brn semi-trans clear calcite, ultra fine x-l, many Fusilina; sh is as above
1421-25		ls as above sh: the grn gr soft type + some dark platy slightly mica: ruf surf sh.
1425-30		ls: hard gr dark spotted, fossil frag include Fusilina, spines, etc. sh: dark gr to sub blk slightly micaceous.
1430-34		contains many Fusilina
1434-40		ls: as above; sh: dark, subblk, ruf surface, breaks into long rect. blks, slightly mica, carries few gastropods.
1440-45		ls as above; sh: light gr - slightly silty, carries mech mica & carbon
1445-52		sh as above + some light grn, soft platy sh.
1452-59		" " "
1459-64		sh: as above; silt: is fairly gr, contains quartz, mica, carbon mat. & possib mag, tight,
1464-70		as above
1470-75		" "
1475-80		" "
1480-85		" " except % of sh is about 95. silt = 5%
1485-90		soft polish grn gr sh, thin-platy, + dull gr, mica sh.
1490-97		as above
1497-1501		gr & dirty wh gr, ultra fine x-l, "silty" texture, contains minute vugs filled with calcite,
1501-05		ls: as above + fossil frag; sh: greenish tint gr, soft, some mica, soft-satin like luster to ~~platy~~ schist-like appearance or luster, platy.

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1505-09 ls: as above but with more fossils; sh: as above; chert: 2 types: very light ice blue, semi-transparent, the other is dark resinous tinge dull brn with faint whitish mottling. (This type could be from up the hole)

1509-15 ls: dirty gr to sub dolomite-yellow gr, mostly ultra-fine x-l, some fine to med x-l, contains Fusilinia, crinoid, brachiop, etc, Δ much of the dark type above, so it surely isn't cave, + a little light semi-translucent white chalcedony in sub-mammillary, sub-banded structure, & some light concentric banded Δ; + little pyrite

1515-18 ls: as above except fossils seem were nearly all embryonic(?) very young brachs.

1518-23 ls: as above; sh: greenish gr, very platy, contains some mica, soft, breaks irregularly when crushed.

1523-26 sh: dull gr with brn tint, thinly laminated, slight trace mica & silt.

1526-31 gr to dark gr blocky, very little mica; also greenish type like up the hole.

1531-36 ~~sh~~ ls: clearish (semi-translucent) irregular med-~~large~~ course calcite making 40-50% of a light wh gr, fine-med x-l ls. if fossiliferous, sparingly so. sh: grn type, + very light gr type with carbonized weed fragments (very small) and fine mica fragments.

1536-41 ls: as above; sh: grn very soft, micaceous type + darkish reddish brn to dark gr semi-hard blky type

1541-44 light gr to light brn gr, ultra fine to course x-l, contains little pyrite & dark carbon(?) material,

1544-47 ls: above + similar with splotches & irregular marks & streaks of faintly-yet distinct blush-purplish coursely x-l ls. or calcite. sh; very finely plated or laminated soft, grn.

1547-53 ls: as above; sh: soft greenish gr, platy, ss: very fine, wh gr, subrd, tight.

1553-55 ss: silt to very fine, subrd, wh gr, contains: mica, pink salmon chert or quartz, carbon material, and possibly some glauconite; sh: 2 main types: (1) mud gr with slight greenish tint, blocky, soft; very limy dark subblk gr, hard type, which is rather scarce.

1555-61 silt: as above; shale as above.

1561-65 as above + considerable chocolate red brittle, blocky sh.

1565-70 green soft platy + various shades of chocolate brn, slightly harder, & breaks into blocky pieces.

1670-75 ls: wh gr to semi-translucent amber brn, fine-course x-l, probably 1-2' thick carries fossil fragments. sh: mostly light subsilvery gr, mica noticeable + some pyrite & shale as above.

1675-79 75% gr sh with slight grn tint, & much mica; rest is shades of choc, red brn, harder, blocky

1579-85 ls: waxy paraffin gr wh fine-very fine x-l, sh as above.

1585-90 mostly gr mica, platy + some dull hematite red, blky, & some brn slightly mica. hard-brittle, blocky.

1590-95 as above with very slight but noticeable increase in brn types.

1595-1600 gr shades of fairly soft, platy sh & dull brn shades of slightly harder micaceous blocky sh.

1600-05 as above + some brn shale containing lime & being very hard.

1605-10 50-50 light grn gr soft platy sh & faint brn, slightly harder, blocky sh.

NOS: 10% 1615-20 sh as above: silt is very fine, gr, much mica & carbon. material + some very fine silt almost devoid of mica & carbon material.

1620-26 silt as first above; sh: gr, soft tex, smooth surface, hard & blocky

1626-33 soft platy micaceous grn sh + hard, limy slightly chocolate brn reddish sh.

1633-40 gr, flaky, colored dull yellow brn — prob Fe stain from bit or stem etc.

1640-42 gr with very faint grn tint; very slightly mica.

1642-47 gr, smooth surface, platy, not soft.

1647-52 ditto

1652-56 ls: dull ~~dirty~~ gr dense very hard ~~poorly preserved fossils — could maybe be Fusilina~~; just a thin streak ± 1'; silt: light gr, mica; tight, also just a thin ± 1' bed; rest is shale as above.

1656-61 ls: very thin streak as above — sh is gr, not soft, platy, smooth surface.

1661-65 soft platy faint-but definite-green tinted gr.

1665-70 shale as above + very light brn, very soft, platy sh.

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1670-73		slate gr, smooth, not soft, very little mica, sub platy to subblocky. ; ls: almost resinous brn gr, fine-very fine to ultrafine x-l to dense, numerous calcite stringers, and irregular masses of microscopic size.
1673-76		ls as above + few Fus. sh: gray with grn tint, platy, contains thin films of carbonaceous material, & mica flakes.
1676-80	Δ	sh as above.
1680-85		ls: dull caramel brnish gr, ultrafine x-l, hard - Δ is almost same color as the ls, dull luster, and scarce; sh: shades of dark to med gr, some carry much carbon. specks or flakes.
1685-90		ls: light gr, dense, with many calcite stringers and no fossils; sh as above.
1690-95	•	light gr to wh gr, ultra fine x-l, silty to earthy textures, contains a few calcite stringers
1695-1700		dull light gr to almost brnish gr, ultra fine to dense x-l, rot surface; almost silty to earthy texture.
1700-04		ls: as above with crinoid stem; sh: gr, shiny surface, consid. mica; thin lamin, breaks into rot rectangular fragments.
1704-09		as above + a little pyritic greenish shade.
1709-13		silt with some very fine sand, gray color, with very little mica, tightly cement.
1713-17		gr, very slightly mica, breaks into rect. to uneven blocks.
1717-22		as above.
1722-25		gr, almost smooth, very little mica, thinly laminated, breaks into rather large flat pieces.
1725-30		ditto
1730-35		"
1735-42		"
1742-45		"
1745-49		as above + pale green gr soft blocky sh.
1749-51		ditto
1751-54		sh: as above; ls: light gr to slightly spotted with darker calcite.
1754-58		med dark, thin laminae, irreg. pieces.
1758-60		ls: wh gr, ultra to very fine x-l, + some darker gr with dark spots - ultra fine x-l, sh: gr to darkish gr, very thin laminae, irreg. rectang. blocks.
1760-64	ΔΔ	dirty wh gr very fine to earthy x-l, surface is rot to earthy, Δ is semi-translucent slightly blvish wh. subwitreous to greasy.
1764-68		gr wh to semi-translucent gr wh, ultra fine + med x-l, ~~med~~ ~~greasy~~ has largest x-l of any ls to this depth. sh: dark gr, rot surface, + very little mica, breaks into elongate irreg. rectang. pieces.
1768-71	Δ	gr wh, ultra to med x-l, carries some light blvish milk wh. Δ.
1771-74	ΔΔ	ls as above, Δ very light pinkish wax wh, carries irreg rded wh spots sh: as above.
1774-79		wh gr, mostly ultra fine but contains numerous x-l of quartz and possibly calcite; sh as above.
1779-82		dirty wh gr ultra to med fine x-l; sh: dark gr to subblack, contains noticeable amounts of thin gr streaks.
1782-86		ls: mostly dirty gr wh very fine-med x-l, earthy tex; sh: as above + some light greenish gr type.
1786-90	Δ	ls as above + Δ dark subgreasy brn. with faint blvish light streaks sh: no change.
1790-97		ls: dirty wh gr. ultra fine with stringers & splotches of light amb. brn. gr med x-l, and some x-l of clear calcite; dark gr with slight green tint, thin platy, breaks into irreg. pieces.
1797-1802		ls: dirty gr to dark gr with slight resin. brn tint, very fine to fine x-l, carries F sail. & ostracoda, sh: dark gr, med hard, & sea-green-soft.
1802-06		ditto
1806-08	Δ	ls: color & x-l same; slightly porous, Δ dark gr tinged brown with few wh spots giving it a speckled appearance.
1808-12	ΔΔ	as above
1812-18		ls: as above; sh: hard, dark gr, very fine laminated, breaks with smooth surface.

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1818-22	Δ	gr ls speckled with light amb. brn, very fine x-l, Δ dirty dull greasy brn with occasional wh. or gr spots & streaks.
1822-25		ooo gr. ls. carrying indistinct medium sized oolites with dark centers & light gr. exteriors, shape is circular to oblong, rest of lime as above, sh: shale as above.
1825-31		ooo ls: gr - dull brn, ooo ar gr., fine mostly rd with outsides lighter than inside. sh: distinctly grnish gr, some carries a little siderite concretions.
1831-36		ls: gr with light amber rd - semi-ephorical nodules or concretions scattered through it; sh: greenish gr, carries brn spots due to presence of plants.
1836-41		ls: wh gr with light amb. spots and masses, ultra fine to course, porous, carries ostracods & fusilinia; few rd very fine sd grains imbedded in the ls. sh: as above & consid carb. mat.
1841-46		ooo wh gr with faint yel. tint, ooo are med, amb brn, this sample has a great many (forams), ls is very porous.
1846-49		ooo wh gr. with faint yel. tint, & many light amb. ooo which are not as distinct as above.
1849-52		mixture of amber brn & gr, ultra fine-med x-l, no fossils or ooo seen, porous.
1852-55		as above; rded amber objects do not show typical ooo structures. ~~many~~ many forams.
1856-60		ls: as above; sh: platy, thin laminae, dark color.
1860-67		ar, ultra fine, sucrose texture.
1867-72	Δ	darker color otherwise the same; Δ is very dull brn gr - darkish, greasy with streaks & spots of blue Δ, also dull caramel gr with dead-wh. spots.
1872-77		gr smooth surface; some sh: has a slight yel. tinge.
1877-80		wh gr with slight yellow tint, carries many odd shaped light amber inclusions.
1880-86	Δ Δ Δ	ls: ~~gr~~ gr, light gr, cream gr, ultra fine, sucrosic, Δ cream yel tint brn greasy containing numerous rd to oval slightly lighter colored chert (recrystallized) particles., some of the Δ is much darker - almost flint.
1886-92		ls: as above.
1892-97	Δ	ls: gr ultra fine to dense, ruf surface, Δ: scarce, about same color as ls, dul. ~~stony~~ waxy luster, & very little dark waxy gr type.
1897-1902	Δ	dull gr, ultra fine, sucrosic tex, Δ wax wh, waxy luster, with dirty gr "grainy" chert streak
1902-07		ls: as above.
1907-11		ls: carries clearage frag. of clear to wh calcite - otherwise as above
1911-14		ls: as above; sh: or flaky, a little mica.
1914-18		ls & sh as above
1918-25		ls: as above; sh: gr with slight grn tint, thin lamin., breaks irreg splint, carries much mica.
1925-30		as above.
1930-33		slightly-grnish ooo gr sh, smooth, some mica; ooo ls: brn almost black (few dark ooos) medium to course ooo in about the same color ls.; also a few crinoid stems.
1933-39		faint but definite grn tint to ~~gr~~, darkish gr sh, medium hard, almost no mica
1939-44		ls: wh gr with amber tint, ultra fine x-l, subsucrosic tex, sh: as above.
1944-48		as above.
1948-50		ls: wh gr, with cream yellow tint, ultra fine, subsucrosic; sh: gr-most with faint green ~~of~~ tint - soft, breaks into irregular blocky pieces.
1950-52		ls: 1/2-2/3 as above, rest is definitely green shaded gr, sh is the same.
1952-55		grn gr sh med. hard, subsmooth & slightly brnish gr brittle ruf sh.
1955-58		as above
1958-62		wh gr to ice cream wh, ruf tex, fine to very fine x-l
1962-64	Δ Δ	ls as above; Δ: waxy grish wh, waxy luster, carries very few ~~wh~~ spots of wh Δ.
1964-67		ls: wh gr with consid. light amber calcite, ultra fine to med, traces of fossils - fusilina, etc. sh: light greenish gr & dark gr.
~~1967-69~~		
1967-69	Δ	ls: as above Δ, light wax wh; sh: as above.

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1969-72		wh, ± some slightly cream yel. wh. ultra fine to dense; ▲ gr sh - some with faint grn tint, thinly laminated, micaceous in part.
1972-74		ls: mostly cream yel. dense to ultra fine with clear calcite stringers, sh: as abve.
1974-75	△	ls: wh ± srb "dolomitic-wh" gr, fine x-l, cut tex, fusilina; △, wax gr with faint blue tint.
1975-76		very faint - but definite grntd gr sh. mica, rut surface, brittle, medium hard.
1976-77		wh ± waxy gr with faint amberish tint, ultra fine ± dense carrying streaks of clear calcite.
1977-80		ls: as above - but finer x-l; sh: grnish gr ± brnish gr, platey, rut.
1980-84		ls: gr + some darkish brn gr. and very dark gr. ultra fine, sh: as above.
1984-97	△ △	as above + fossil frag. sh: very dark to black, rut, △: very dark flint, solid colors - almost no spots of wh, dull waxy luster.
1987-94	△	Parts ▲ △ as above + wh ± light amber - this ls looks like small frag of wh ls cemented with light amber lime, giving it almost sucrose or granoidal-ls texture.
1994-01	△	wh gr to dolomitic-yel gr, very fine to coarse x-l, △, dull dirty waxy gr, carries occasional bluish wh very fine spots.
2001-06	△	wh gr dense to fine x-l, carries many fusilina in amberish gr ls. △ as above
2006-11	△ △	as above without fusilina
2011-16	△	gr wh with much cream yel. gr. and faint amber gr, dense to ultra fine x-l, △; ~~srb~~ dirty wax wh, srb vit, scarce.
2016-21	△	ls as above; △ wh with faint blue tint, srb vitreous
2021-24	△	as above + many clean calcite cleavage fragments from stringers.
2024-28	△	" " "
2028-33	△	as above; ▲ more waxy & not so vitreous.
2033-39		as above