

FLA-FRA-OT-1

1270-00

N.C.

Creamy colored, fine rxal. ls., sub-angular to rounded

65%

Coarse rxal. dolo., brownish-grey, angular

5%

lt-grey ls. with small blebs of asphalt, angular to sub-rounded

3%

Trace amt. of gyp. euh, white. Bryozoa

1330-40

N.C.

95% Creamy colored, fine rxal. ls., angular to rounded, graded to

Trace of dolo. same as above (1270-00)

Trace of lt.-gr. ls. as above <sup>(fine)</sup> -rounded

Trace of gyp

~~Trace of dolo. as above (1270-00)~~

1340-90

N.C.

98% creamy, fine rxal. ls. as above (1270-00), well rounded

Trace of dolo. as above (1270-00)

Trace of gtz. well rounded

1420-50

N.C.

5% <sup>very</sup> angular chert, dark brown

shell frags, Bryozoa pres.

Trace of well rounded gtz.

60% Creamy, fine rxal. ls. as above (1270-00), rounded to angular

Trace of shale, black

~~lt. grey~~ dolo angular-sub-rounded, brownish-grey

Same lt.-gr. ls. as (1270-00) 3%

1450-80

Gastropods, shell frags, Bryozoa, traces of gyp & gtz. that is very fine

85% Same Creamy ls. as (1270-00)

5% chert, very fine, dk. bn.

1510-40

Creamy ls. partially dolomitized, fine to coarse  $\alpha$ -tal., rounded - Angul. 95%

Trace of v. ang. chert, dk-br.

Trace of coarse  $\alpha$ -tal brownish dol.

Bryozoans, Trace of light gy ls. with asp., trace of gtz

1540-70

6% v-ang dk-br chert

80% Creamy ls., fine  $\alpha$ -tal, rounded, blebs. of glauc. pres, also loose

~~Coarse - gy ls. dk-br~~

shell frags.

lt-gy. ls. with asp., blebs ang - sub-rd.

5% Cs.  $\alpha$ -tal, dolo, light-br. ang. shell frags

1600-30

Creamy <sup>fine</sup> ~~coarse~~  $\alpha$ -tal. ls. ang-rd. slightly dolomitized 85%

v. ang., dk-br chert 10%

Slight amt. of glauc. in creamy ls.

White fine  $\alpha$ -tal. ls, sub rounded trace

1630-60

20% v-ang. v-dk-br chert

75% Creamy, f- $\alpha$ -tal ls. partially dolomit. sub-rd.

Trace of phosph. black, well-rd. gastropods

shell frags., trace of white to clear rounded qtz

Cs.  $\alpha$ -tal dolo, lt-gy. trace sub-rd.

1660-90

35% v-ang dk-br chert also blk.

Creamy, ~~e-gy~~ ls, s-ang-rd 50% slightly ddot.

glauc. pres

shell frags

lt-gy ls f-gy, ang 5%

Trace of qtz.

1720-50

50% dk-br to black v-ang chert

Creamy ls, f-gr. dolomized ANG rd 30%

Cs. dolo, light br, ANG

Traces of qtz

lt-gy ~~ls~~ dolo. c-rd, ANG

1750-80

10% v-ang blk. chert

5% ~~lt-gy~~ <sup>br-gy</sup> dolo ANG, f-gr.

Shell frags

70% Creamy ls, red-ang glauc. pres. in blebs, partially dolomized

White cherty ls, rounded

Trace of qtz

lt-gy ls f-gr. rd.

1810-40

70% Creamy ls, f-gr. dolomized, rounded-ANG.

20% lt-br. dolo coarse-rd, rounded

5% v-ANG dark br. chert

v-lt-gy ls. with asp. blebs, sub-rd.

Trace of clear qtz, rd-ANG.

1840-70

20% chert as (1810-40)

Shell frags

50% Creamy ls. as (1810-40) w/ glauc. blebs

20% lt-br dolo, coarse - v coarse, rounded

10% v-lt-gy ls. with blebs of asph., sub-rd.

Trace of qtz, ANG.

1870-00

20% chert as (1810-40)

cong. with very fine matrix, has  
qtz pebbles

20% coarse-rd. lt-br. dolo. rd-ANG

1930-60 | 40% chert AS (1810-90) Also black

White ls, rd, f-gr

glauc pres.

24% dolo AS (1870-00)

40% Creamy ls AS (1820-00)

Traces of fyp

Traces of f congs w/ ftz pebbles v-fine matrix

Trace of ftz, shell frags

v-f-gr. ss, brown-light, fine-gr - sub-rd.

1960-90 | Same as (1930-60) ~~no~~ <sup>no</sup> fyp

Trace of limo., glauc in creamy ls.

2020-50 | 98% Creamy ls, glauc + dolomitized, rd - Aug., f-gr. glauc within ls.

Trace of black v-Aug ~~cl~~ dolo. f-gr.

2050-80 | Same as (2020-50) but 5% dolo + more glauc. Also slightly dolomit.

2110-40 | Same as (2020-50) but 5% dolo, trace of limo.

2140-70 | Same as (2020-50) but 10% dolo, trace of black v-Aug chert

?  
lt-dk-br

Trace of ftz

2170-00 | Shell frags

Creamy ls, w/ glauc blebs, rd-Aug, f-gr, partially dolomit.

lt-dk-br chert, v-Aug

Trace of limo. + sh. + ftz

Traces lt-br. sub-rd. ss, v-f-gr.

2230-60 | Trace of pyrite - on creamy ls.

Creamy ls, AS (1870-00) 80%

lt-dk-br dolo, v-Aug - Aug, f-gr. 10%

White, chalky, ls, v-soft, rounded 5%

2320-50

Trace of qtz. Same as (2330-60) but no pyrite or glauc  
creamy 60% white 5% dolo 30%

2350-80

Same as (2330-60) creamy 50% white 15% dolo 30%  
Trace of limo., no pyrite or glauc

2410-40

Lt-dk-br dolo ans - u-ans, f-gr 50%

creamy ls, dolomit, f-gr, rounded-ans 40%

10% wh-chalky ls, rd, soft

Traces of glauc in creamy ls

2440-70

Trace of f glauc, <sup>blebs</sup> in white chalky ls & creamy ls

~~Same as~~ Creamy ls, f-gr, rd-ans, dolomit etc 40%

lt-dk-br dolo, f-gr, u-ans 50% Traces of limo.

wh-chalky ls, rd, soft - mod hard 10%

2470-00

90% Creamy ls, dolomit., blebs of glauc rd-ans, f-gr except when dolomit

Trace of lt-br, f-gr dolo & white chalky soft ls.

2530-60

50% Lt-dk-br dolo, u-ans, f-gr

creamy ls, etc, 90% , no glauc

white ls, etc, 5%

2560-90

50% f-gr dolo Same as (2530-60)

10% white

Trace of pyrite

40% creamy

2620-30

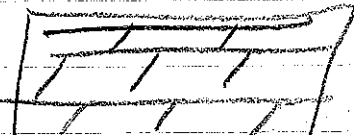
Same as (2560-90), trace of shale (black)

creamy 50% dolo 40% white 5%

2650-80

Same as (2530-60) w/ dk-br-dolo

also u-u-lt-br dolo, ans, f-gr



2710-40 | v-v-lt-br <sup>-white -lt gr</sup> dolo, f-gr, ANG w/ blebs of glauc 50%

creamy ls, f-gr, dolomit. rd ANG w/ blebs of glauc 50%

2740-70 | SAME AS (2710-40) 50% - 50%

2770-00 | SAME AS (2710-40) 45% - 45%

w/ dk-br, f-gr, dolo, ANG TRACE

w/ white, chalky, rd, ls. 5%

2830-60 | SAME AS (2710-40) 50% creamy, 40% dolo (white)

dk-br, f-gr, dolo, v-ANG 5%

wh-, f-gr, ls, rd TRACE NO GLAUC

2860-90 | SAME AS (2710-40) TRACE OF qtz & white rd. chert

50% creamy

dk-br-dolo, v-ANG, f-gr, 15%

lt-br " - 25%

white, chalky, ls, rd

2920-50 | 30% creamy, f-gr, ls, rd-ANG w/ glauc blebs, partially dolomit.

50% v-lt-br-wh, dolo, f-gr, v-ANG-ANG

10% M-dk-br, c-gr, <sup>chert</sup> ~~dolo~~ ANG-

shell frags

Trace of v-f-gr ss, reddish-brown

2950-80 | SAME AS (2920-50) creamy 40%, lt-br-wh 30%

white, rd, f-gr, ls, chalky 10%

c-gr <sup>chert</sup> ~~dolo~~ ls, M-dk-dk-br 20%

3010-40 | TRACES OF sh. <sup>(black)</sup> & pyrite & rd, qtz. shell frags

90% Brownish-gr. c-gr, ls v-ANG, some dolomitization

3040-70

ls same as (3010-10) 90%

lt-br, c-gr, ~~do~~<sup>chert</sup>, ANG - U-ANG 5%

whitish ls, with glauc. blebs, rd 4%

Traces of pyrite & cream colored ls, dolomit, rd.

3070-00

3% conglomerations of ls. grains (white) euh

80% ls same as (3010-40) somewhat dolomitized

5% lt-br ~~do~~<sup>chert</sup> as (3040-70) many euh. dolo crystals

5% dk-br ~~do~~<sup>chert</sup>, f-gr, s-ANG

Trace of pyrite & ~~many dk-br chert~~

3130-60

Trace of black shale & pyrite

50% Creamy white - light grey ls., ANG, f-gr, blebs of glauc

20% lt-br - dk-gy ~~do~~<sup>chert</sup>, f-gr, u-ANG

20% lt-dk-br ~~do~~<sup>chert</sup>, c-gr, sub-ANG

~~Traces of lt-br, f-gr, u-ANG~~

3160-90

Traces of stz. ~~SS~~ cemented w/ lime & black shale ~~do~~

60% U-lt-grey ls, ANG - U-ANG

30% dk-br - lt-gy ~~do~~<sup>chert</sup>, f-gr, u-ANG

Traces of bio.

3220-50

50% Creamy wh. ls, f-gr, sub-rd., some dolomit.

5% lt-gy ls, c-gr, sub-rd

Traces of pyrite

40% Med-gy sh. ANG chips, fairly soft, fissile

Traces of chert

3250-80 30% Med-gr. sh, fissle, ANG chips

50% wh-chalky ls, f-gr, rd-ANG, blebs of pyrite, dolomite.

5% Traces of u-ang chert ~~etc~~

3310-40 Traces of glauc & black sh

80% Same ls as (3250-80) & U-V-Lt-gr

~~Traces of u-ang chert etc~~

5% Lt-br-Lt-gr, <sup>chert</sup> ~~etc~~, f-gr, u-ANG

Traces of rd-ANG, qtz grains f-sand size

" " lime cemented complex of qtz, shell frags & small ls. grains

3340-70 Same ls as (3250-80) no pyrite <sup>some</sup> dolom, glauc blebs 90%

Lt-dk-gr sh, fissle, ANG chips 5% Shell frags

Lt-br-gr ls, f-gr, ANG

Made up of small f-pebbles of ls & gr. cemented with lime cement

3370-00 Same ls as (3340-70) 90%

Lt-dk-gr sh, fissle, ANG chips 5%

U-Lt-m-br <sup>chert</sup> ~~etc~~, f-gr, rd-ANG 5%

3430-00 Shell frags Abundant

Same ls as (3340-70) 80%

" <sup>chert</sup> ~~etc~~ AS (3370-00) 5%

" sh AS (3370-00) Taking on a greenish tint 5%

3460-90 Same ls as (3340-70) 90%

" sh AS (3370-00) Trace

" <sup>chert</sup> ~~etc~~ AS (3370-00) Trace

HERE down ls = chalk



3520-50 Shell frags <sup>in str</sup>, gastropods abundant  
Same ls as (3340-70) 95%

Black, sh, thin chips, fissle

3550-80 5% shell frags (11) very abundant Trace of pyrite  
80% ls, same as (3340-70) Trace of black, rd, phos

5% lt-dk-gy sh, fissle, ANG chips

5% dk-lt-br ~~dolo~~<sup>chert</sup>, f-gr, ANG

Co-gr dolo, v-lt-br, rd

3610-40 Same as (3550-80) but no Co-gr ~~dolo~~<sup>chert</sup>, no phos.  
ls 85%

sh 10%

3640-70 shells & shell frags

lt-br, e-gr ~~dolo~~<sup>chert</sup>, rd

Same ls, sh as (3550-80) sh taking greenish tint  
90% 5%

3670-00 Trace of pyrite cubes

5% shell frags (11), gastropods also

Same ls & sh as (3550-80)  
75% 20%

Trace lt-dk-br, f-gr dolo, v-ANG

3730-60 sh is almost black rest is same as (3670-00)

shell frags, sh 10%, ls 85%

Trace of f-gr, lt-br dolo, ANG

3760-90 | 10% ~~ls~~ ls ~~wh~~ wh-chalky, 20% of ls shell frags, f-gr, rd  
5% shells + shell frags (ii)

10% lt-dk ~~br~~ gr sh, fissile, black flakes, ANG

5% { Lt-br ~~dolo~~ <sup>Chert</sup> dolo, u-c-gr, rd  
Lt-gr dolo, f-gr, ANG-u-ANG

3820-50

SAME ls AS (3760-90) 60%

SAME sh + black type AS (3760-90) 20%

lt-dk-br dolo, f-gr, ANG 5%

Trace of pyrite cubes

Trace  
pale green sh.  
fissile

~~check~~  
~~top~~  
~~black~~

3850-80

Trace of glauc. + dk-br-fg-gr dolo ~~20%~~

SAME ls (3760-90) 80%, SAME sh AS (3760-90) 20%

Shell frags (ii) Trace | Trace  
pale green sh, fissile

~~sh~~  
~~black~~

Trace

3910-40

SAME AS (3850-80), Trace of pyrite, No glauc

lt-dk-br, f-gr ~~dolo~~ <sup>Chert</sup> dolo, u-ANG

ls 75% sh 20% dolo Trace shells 5%

3940-70

ls SAME AS (3760-90) but less chalky, slightly darker 75%

Shell frags (ii) <sup>columns</sup> 10%

sh, dk-lt-gr, fissile 10%

Traces of pyrite

lt-br ~~dolo~~ <sup>Chert</sup> dolo, f-gr, ANG Trace

3970-00

40% Same ls AS (3940-70) some ddimitr. Traces of pyrite

30% Same sh AS (3940-70) " " mica

5% " Shell frags AS (3940-70) ~~black~~

5% " <sup>Chert</sup> ~~dolo~~ AS (3940-70) Trace. pale green sh, fissile.

~~green~~

4010-20 Lt-br, f-gr, v-ang, <sup>chert</sup> ~~dolo~~ 5%

v-lt-gy-wh chalky ls & conc of shell frags + low line matrix 30%

20% Lt-gy, sh, sub-rod chips, fissile + almost black

Traces of dk-br chert, v-ang

15% ~~chert~~ shell frags (ii) + others, bryozoans, <sup>clear v-ang</sup> gtz, pyrite

5% Lt-dk-br, c-gr dolo, rd-ang

wh-c-gr, ls, rd Trace

4020-30 SAME AS (4010-20)

4030-40 Trace of phos, limo., <sup>MICROMACRO</sup> shell frags (ii), gtz, pyrite 5%

SAME AS (4010-20)

Lt-br <sup>chert</sup> ~~dolo~~ 5%

dk-br chert

(FROM HERE DOWN)  
(dolo = chert)

v-lt-gy-wh chalk 40%

~~lt-dk-br dolo~~

lt-gy sh 35% \*

wh-c-gr ls 5%

4040-50 Traces of bryozoan, pyrite, sub-ang clear gtz, ~~chert~~

Inocerus frags 20%

Lt-br-c-gr <sup>chert</sup> ~~dolo~~, sub-rod 5%

Lt-dk-br, f-gr <sup>chert</sup> ~~dolo~~, ang-nd 10%

wh-ult-gy chalky ls, rd, many frags contained, 50%

sh Lt-br-gy, fissile, sub-ang 5% + black

4050-60 SAME AS (4040-50) NO bry.

10% sh

4060-70 SAME AS (4040-50) but NO bry. Also <sup>has</sup> shell frags

sh Trace 15% 10%

4070-80 | SAME AS (4060-50), no br

ls 60% ISO 5%

~~sp~~ dk-br ~~chert~~ 10% sh 15%

~~sp~~ Lt-br ~~chert~~ 5%

4080-90 | u-lt-br, c-gr, ls, rd 5%

10% brownish-gy, f-gr, ls, rd

5% black sh, u-ang chips, u-fiss.

5% Inos. frags, somewhat replaced by pyrite

25% lt-dk-br <sup>nsomewhat greyish</sup> sh, fissle, contains some asp.

Traces of base asp, u-dk-br, u-ang chert, stz, ~~pyrite~~

40% Creamy-brown chalky ls, rd, cong of grains

5% lt-br, f-gr, ~~chert~~, ANG

4090-00 | br-gy, f-gr, ls, rd, a little chalky, 50% SAME AS (4060-50)

chalky-wh 5% INOS. 5%

Trace of bk sh TRACE of Lt-br, c-gr ls, rd

Lt-dk-br sh 35% w/pyrite

410-20 | Traces of pyrite, phos. SAME AS (4090-00)

Trace of shell frags

4150-60 | wh-lt-gy, chalky ls, rd - sub-rd 50%

dk-br-gy sh, fissle mottled with wh epels 30%

Ino. frags + shell frags 5% traces of stz.

Lt-red-br ~~chert~~, f-gr, ANG - u-ANG 5%

u-dk-br, u-ANG, chert 5%

4170-80 | SAME AS (4150-80) but 20% sh & more f-gr ls, trace of syp

4180-90 | SAME AS (4150-80) but sh down to 15%

4190-00 | " " " " " " " " 10% 10% Inos.

4200-20 | " " (4190-00) " " " " 5% " "

4250-60 | " " " " " up " 10% Trace of Inos

4270-80 | " " " " " " " 20%

4280-90 | " " " " " " " 30%

4290-00 | " " " " " " " 50% ls down to 20%

4310-20 | " " " " " " " " " 15%

4350-60 | " " " " " " " 70% " " " 10%

4410-20 | v-dk-gy, sh, small AN2 chips, very fissle 70%

whitish, f-gr, ls, sub-rd w/pyr. 10%

v-Lt-br, c-gr ls, AN5-rd 5%

Ltbr-gy ls, AN5, med-gr, pyrite incl. 5%

Inos. Brass

4450-60 | 85%<sup>v</sup>-dk-br-gy sh, fissle, AN5, trace of pyr, Inos.

5% c-gr, wh ls w/pyr also wh-f-gr, ls, rd

4510-20 | SAME AS (4450-60) but NO Inos.

4540-50 | " " (4450-60) but pyr & musc. in c-gr ls 15%

Trace of Inos. No f-gr ls.

4550-60 | 95% v-dk-br-gy sh, v-fissle, v-AN5 chips

Trace of c-gr, chalky, colored<sup>rd</sup> ls & musc.

4610-20 | SAME AS (4550-60) + Trace of dk-gv ls f-gr. s-AN5

4620-30 Same sh as (4610-20) 80% Trace of Inos. ~~c-dolo~~, f, t, z, chert

10% c-gr, lt-br, creamy ls, rd sub-rd. cong. of shell frags

5% c-gr, med-br, dolo, rd, v. ch-grains

4630-40 Same sh as (4610-20) 75% Rest same as (4620-30)

+ 5% lt-gr sh, fissile, streaks of lime

4640-50 Same as (4630-40) traces of f, t, z, chert, v. lt-br f, s, rd dolo.

70% dk sh

15% c-gr ls

~~4650-60~~ 5% dolo

4650-60 Trace of shell frags Same as (4640-50)

but 10% c-gr dolo

4710-20 Musc. very prominent in ls rsh large-small flakes comes in at 4650-50

70% sh, v. dk-br-gr, v. fissile

20% v-c-crys. ls, wh-clear w/ brownish tint, s-rd same sh as above

Trace of chert

4720-30 Same sh as (4710-20) 60%

v-c-gr, v. lt-br, ls w/ musc flakes 40% s-rd-ang

Trace of v. dk-br chert, v-ang, Inos., pyrite, gastro.

Reddish-br, c-gr dolo, s-rd

4740-50 50% ls as in (4720-30) pyrite inclusions in ls also loose

20% sh as " " Trace of phos.

15% v. lt-dk br ~~chert~~ <sup>ls</sup>, ang, f-gr

Trace of wh, chalky ls, ang

4780-90 | 50% Lt-dk-br sh, fissile, ANG chips  
20% c-gr, v-lt-br ls, s-rd w/ pyrite

5% pyrite cubes loose

Trace dk-gy, f-gr dolo s-ANG, phos., shell frags

5% creamy-br gyp, ANG chips

Musc, present in shals

4775-4825 f-gr, mica, s.s.

4810-20 | 50% sh as above

20% c-gr ls + pyrite + musc

Traces of lignite, ptz, qtz gr w/ ls cement + pyrite; limo; chert

10% f-gr, v-lt-br ls

4850-60 | 40% sh as above

25% c-gr ls as above almost white

15% f-gr, lt-dk-br ls, r-ANG sometimes almost black

Trace of phos, dolo, pyrite, ptz., shell frags

4890-00 | 50% sh as above

30% ls (c-gr) as above

10% f-gr ls as above, platy aggregates + blades

Trace of ptz cong w/ pyrite; qtz, chert, shell frags

4910-20 | Trace of Inc. ~~pyrite~~ <sup>loose</sup> ~~all~~

Same as (4890-00)

4950-60 | Same as (4890-00)

5% ~~med. br dolo~~ <sup>chert</sup> ANG

Trace of phos

5010-20 SAME AS (5000-00) + Trace of lt. sy, c-gr ls, rd., phos., shell  
frags

pyrite very evident w/ qtz, thin ls

5040-50 50% sh AS ABOVE, trace of pyrite, musc loose

10% lignite

10% c-gr ls AS ABOVE

10% dk-br ~~sh~~, ~~ls~~, ANS

5% lt-br-sy ls, med-gr, s-rd

5% cong of qtz grs. w/ pyrite sandstone

5050-60 Same as (5040-50) sh 70% , trace of lig., trace of chert

5110-20 v-sharp contact b/w ss & sh at this point

60% f-sandstone, wh-qtz, s-rd pyrite & musc inclusions, lime cement

25% sh AS ABOVE

lt-br-sy dol, f-gr, v-ANS-ANS trace, lignite

5% f-gr, med-br <sup>lt-sy</sup> ls, ANS

Trace of chalk & reddish-br ss v-fine

5120-30 TRACE of Ines & other shell frags, lignite, qtz, dk-br v-ans dol

• SS AS ABOVE (5110-20) 40%

• LS AS ABOVE (5110-20) 5%

• Lt-dk-sy sh, v-fossil <sup>15%</sup> ~~20%~~

• Reddish-rusty brown sh or siltstone s-rd <sup>50%</sup> ~~30%~~

• Greenish-sy sh, ANS chips <sup>20</sup> ~~10%~~

Like this down to (5150-60)



5160-70 5% ss as above

70% ~~sh~~ qy sh as above

Trace of lignite w/ pyrite replace, w-nd qtz, chert

70% ~~sh~~ f-gr dk-sy-bk ls as (5110-20)

5% shell frags

75% lt-br-sy-dk-br ~~sh~~ <sup>chert</sup>, f-gr ANG-V-ANG

70% rd sh-silt. as (5120-30)

5190-00 SAME AS (5160-70)

Trace of lignite w/ pyrite, shell frags

20% ss

" " red sh, phos

40 ~~sh~~ qy sh

10% chert

20% ls, f-gr & c-gr

lignite content increasing as you go deeper

5250-60

35% ss ~~as above~~, f-gr, ls cemented, contains pyrite & musc, sub-ang

50% ~~sh~~ sh as above (qy)

Trace of reddish-br, v-ang, chert, lt-sy, f-gr ls, ang qtz, lig w/ pyrite

musc., phos.

5% greenish sh, ANG chips

5310-20 SAME AS (5250-60)

5% chert, v-ang, lt-dk bn

Trace of pyrite, lignite, Inos., f-gr, lt-sy ls

SS HAS reddish tint to some of it, musc is very prominent

5350-60) SAME AS (5250-60)

Trace of chert, lignite, green sh, Inos, shell frags

SS has pinkish tint

5370-80) SAME AS (5250-60)

SS 50%, definite pink tint probably turning into red SS

gy sh 40%

Traces of pyrite, lt-dk-gy ls, chert

~~1~~ 5% u-f-gr red SS, Ang

5380-90) SAME AS (5250-60)

red SS 10%

5390-00) gy sh AS (5250-60) 40%

Red SS 25%

wh SS w/ more of reddish tint than above 15%

Trace of pyrite, lignite, ostracods in gy sh

5% apple green sh, u-ang chips

0

5410-20) Trace of limo., Inos., pyrite, green sh, ostracods, chert

Same gy sh AS (5250-60) 40%

Red SS AS above 30%

wh SS AS above 30% w/ py & musc

5440-50) Traces of chert, stb, f-gr ls, pyrite, e-gr ls, Inos., green sh.

gy-sh AS (5250-60) 35%

wh SS AS (5250-60) 20%

5450-60 | 70% Red ss as above

15% Apple green sh

Trace of wh ss, pyr, lig, lime nodules, etc.

5% gy sh as above

5510-20 | Traces, chert, phos, Inos, pyr.

Red ss as above 40% gradual decline in % from (5450-60)

gy sh as above 30%

lt-ry f-gr ss, ANG 20%

~~ss as above~~

5% lt-ry, c-gr dolo, ANG

5520-30 | SAME AS (5510-20)

5530-40 | " " " Red ss 30%

5540-50 | " " " but Red ss 10%

wh - <sup>f</sup> - gr ss 30%

wh - f-gr ss 20%

gy sh 10%

Traces of chert, pyr, lig, musc, biot, etc

5550-60 | SAME AS (5510-20)

f-gr wh ss 30%

slightly clayey red ss 10%

gy sh 20%

wh <sup>f</sup> - gr ss 20%

Trace of lime, pyr, chert

red clayey sh, phos, shell frags

5610-20 | wh <sup>f</sup> - e-gr ss as above 30% w/musc

Trace of Inos, etc, chert

5620-30 | br-qr, ju-fistle sh 50%

f  
e-gr, wh-ult-qr ss, rd-Ans, w/pyrite + musc 20%

Med-qr, reddish-br ss, Ans-rd 10%

Traces of Inos, qtz, chert, Apple green sh

5650-60 | SAME AS (5620-30)

wh-f  
e-gr ss gradually diminishes to 5% here

Traces of Inos, pyr, qtz, chert, shell frags

qr-sh up to 40%, greenish tint

red ss 15%

5660-70 | SAME AS (5620-30)

Red sh 40%

qr sh 40%

wh ss 5%

f-gr wh, ls 5%

Trace of chert, qtz, pyrite, shell frags

5670-80 | SAME AS (5660-70)

Trace of pyr,

Red ~~sh~~ <sup>sh</sup> 50%

qr sh 30%

Med-qr ss 10%

5710-20 | SAME AS (5620-30)

Traces of pyrite, med ss, ens-ss, qtz,

40% red ~~sh~~ <sup>sh</sup>

shell frags

20% qr sh

5750-60 | Suddenly jumps to 30% red ~~sh~~ <sup>sh</sup> at this point

40% sv sh

Traces of pyr, chert, qtz

5760-70 | SAME AS (6750-60)

Red <sup>sh</sup> 40%

gy sh 40%

5% med gr ss

Trace of chert, pyr, qtz

green sh, c-gr ss

5810-20 | SAME AS (6750-60)

Red <sup>sh</sup> 40%, v clayey & soft

gy sh 30%

Trace of pyr, chert, f-gr ss, med-gr ss

5850-60 | Red <sup>sh</sup> 50%

gy sh 40%

SAME AS (6750-60)

Trace of qtz, chert, pyr

5890-00 | Red <sup>sh</sup> 60%

gy sh 30%

UNWASHED ONLY FROM HERE DOWN

5950-60 | 70% red sh

5% gy sh

Trace of <sup>f</sup> & med-gr ss, green sh, chert

~~(ALL FROM HERE DOWN)~~

5990-6000 | 60% red sh

5% f-gr ss

5% gy sh

Trace of chert, qtz, lig

~~6050-60~~ | No samples

6050-60 | 60% red sh

20% <sup>f</sup> -ss slight yellow tint

5% gy sh

Trace of chert, pyr, musc

6090-6100 | SAME AS (6050-60)

6290-6300 | SAME AS (6190-6200)

Red sh 60%

gy sh 30%

<sup>f</sup>  
f-ss-w 10%

6320-6400 | SAME AS (6190-6200)

6490-6500 | SAME AS (6290-6300) Trace of lig., musc

6590-6600 | Red sh 50% Trace of chert, gtz, lig, musc

w-f-gr ss 30% w/ reddish tint

gy sh 20%

6690-6700 | SAME AS (6290-6300) Traces of chert, blk sh

w-f-gr ls 10% Red sh 50%

6790-6800 | gy sh 40% Trace of Inos, blk sh, w-f-gr ls

Red sh 10%

<sup>f</sup>  
f-ss-w w/ reddish tint 15%

6890-6900 | Red sh 30% Traces of chert, musc

gy sh w/ greenish tint 15%

<sup>f</sup>  
f-gr ss-w w/ reddish tint 30%

6920-7000 | Red sh 70%

gy sh 5%

<sup>f</sup>  
f-gr ss as above 15%

7020-30 | Red sh 40%

<sup>f</sup>  
f-gr ss 40%

gy sh 20%

- 1270-1480 Silt-size to vf-sand size chalky to soft light-tan to off-white limestone particles. Trace white vc-xtall gypsum.
- 1630-1660 Limestone with many microscopic black specks. Trace ~~dark~~ dark-brown chert.
- 1660-1690 Do with chert 60% of sample
- 1750-1780 Do with chert down to 30%
- 1810-1840 Do with dec. in chert to trace.
- 1870-1900 Do with chert up to 25%.
- 1930-1960 Do with dec. in chert to prominent.
- 2020-2050 Do with limestone glauconitic
- 2050-2080 Do with glauc. prom. Trace recrystallized limestone (vc-xtall).
- 2170-2200 Limestone, white, chalky, highly recrystallized. Consists of f-sand size ls particles and forams in a matrix of c-xtall recrystallized ls. Trace glauc, chert.
- 2230-2260 Do with much white microxtall chalky ls. Most of ls is light-grey, recrystallized, no glauc.
- 2320-2350 Do with about 35% of samp. dark-grey chert.
- 2350-2380 Do. Decrease in chert to "prominent". About 25% of samp. is white chalky microxtall ls.
- 2410-2450 50% lt-grey chert. 25% c-xtall light tan dolo. 25% microclastic ls (sand-size parts.) as above.
- 2470-2500 Limestone, light-grey with tan cast, much rextall., hard with f-grain glauc v. prom.
- 2530-2569 50% ls. do. 50% light-grey chert
- 2560-2590 Do with chert light-to-dark-grey.
- ~~2620-2650~~ Do. Delete black shale marked on log, this is rust. White chalky ls v v prom (+-15%)
- 2650-2680 Do. Dec. in chert to 30%, dec. in white chalky ls to trace.
- 2710-2740 Limestone, vc-xtall (sacch.), light-grey with tan cast. white chert v. prom (+-30%)
- 2830-2860 Do with white chalky ls prom.
- 2950-2980 Probably is white chalk.
- 3010-3040 Limestone, light-grey with tan cast, microxtall, well indurated. Tr V V f-grn glauc. Much lig in slide.
- 3040-3070 Do with ls m-grey.
- 3070-3100 As 3010-40. Add tr pyrite, micro-slickensides. Lig. in slide.
- 3130-3160 Do with tr light-grey shale
- 3160-3190 Limestone, vf-xtall, v light-grey. Many fine black specks in ls. Tr lt-grey slightly micaceous shale.
- 3220-3250 60% white soft chalk. 40% light-grey shale. Good mf.
- 3310-3340 Chalk, light-grey: abund. planktonic mf. Much red amber (?) in float.
- 4030-4090 Much asphalt in slide.
- Austin lithology is alternating chalk and light-grey shale beds..
- 4120-4130 Dark-grey shale appears.
- 4350-4360 Bulk of samp is dark-grey shale

- grey shale. Mostly shale
- 4850-4970 Mostly dark-grey shale with varying amounts white calc. sandstone, f-grained.
- 4970-4980 Mostly all sandstone, calc., f-grain, a-sa.
- 4990-5000 Mostly grey shale
- 5030-5040 Mostly dark-grey shale. Lot of lignitic and asphaltic matl in samp.
- 5040-5050 Lot of iron stain on limestone in this interval
- 5050-5060 Mostly dark-grey shale. Tr. red-brown shale
- 5110-5120 White ss, f-grain.
- 5120-5130 Shale, red to grey to olive drab. Much hematite
- 5130-5170 Do with much white chalk.
- 5190-5200 Dark-grey shale
- 5390-5400 1/3 apple-green waxy shale, 1/3 red shale, 1/3 grey shale. white ss prom.
- 5350-5360 Dark-grey shale

Sidewall core descrip.

- 4287 Agree with log. Slightly sandy (f-grn sand). Austin
- 4385 Agree with log. Both this and above shale calc. U. Atkinson
- 4664 Agree with log. shale calc. U. Atkinson
- 4667 Agree with log. U. Atkinson
- 4696 Shale, grey, slightly calc. As 4667. L. Atkinson
- 4763 Agree with log. Light-grey and pink variegated (VV thin-bedded) L. Atkinson.
- 5925 Agree with log. Again laminated, dark and light grey bands Comanche
- 6008 Agree with log
- 6129 Agree with log. Argillaceous material +-45%
- 6432 Agree with log. Sand loose and very friable.