

CORE / SAMPLE DESCRIPTIONS 1

3-1-88 / 8-30-93



LIETZ

SINCE 1882

LEVEL BOOK

No. 8152-55

KMC

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W-GR-12529 CORE

0 - ~ 7.5' Quartz, sand, grey
ban at top, transition white
or lt. brn., uncon. to v. sl.
cons.

~ 7.5 - 11.5' Quartz, sand, gr brn,
yl. or + reddish orange, mottled,
poor ind, clay cont, F gr, v.f.
to c rpe; clay matrix - 10%, minor
heavy minerals.

11.5 - 13.5' : Clay, white, v. lt. grey,
mod to poor ind, slightly mottled
many cracks, quartz sandy 15-20%,
non phosphatic, some zones clayey
sand, non calcareous

13.5 - 25.5 Quartz, sand, lt. to mod.
brown, poor ind, clay cont, 5-15%
f. gr v.f. - m rpe,
25.5 - 26.5 NO sm

26.5 - 27 Quartz, sand, mod. brn
to lt. brn, as unit above, variable

to sandy clay
27-30 Limestone, lt br grey,
poor ind, calcilitic matrix
clay matrix. fossiliferous, lps.
granular, blocks, grains of
organics, clay, prob. weathered
ls. - w some soln. fill

30- Ls., CLRV, lt. gl. grey,
mod ind, text, minor organic
rich clay in vugs, lps, opals,
granular frags.

0-27' UDSC

27-30' + CLRV

3-15-88

3

W-GR-1092

~~0-22.9' sd, uncons., some fragments
handpan, organic mud.~~

0-12.3' : quartz sand, lt. gr. br,
unconsolidated, some frag. handpan,
modern organics, trace charcoal.

F gr, VF-C rye

12.3-22.9' : Quartz sand, v pale br,
unconsol. F gr, lt to c rye, trace
frag. w dk br waxy clay matrix

22.9-30.0' : Quartz sand, F gr,
VF to C rye, unconsolidated? ~ 20%
aggregate grains w ~ 20% & mod
dk br clay matrix - prob. represents
actual litho - or a separate bed
of clay sd.

30-38' : Quartz sand, pale to dk
yl. br, poor to mod ind, clay
matrix - 25-30% approx 5%
weathered/lacked plus frag. either
fractured bed. rock plus or plus clay

38-52.1: Clay, pale yellowish br.
 poor to mod ind, clay matrix, ~~matrix~~
 variably quartz sandy to clayey sand,
 brown clay to non phosphatic,
 slakes rapidly in acid, trace phosphatic
 grains - weathered grains or
 fragmental hardrock pieces.

52.1-72.8': Limestone, white,
 v. lt. gray, poor ind. calcilitic
 matrix, abd. forams, lops, spines,
 heterostegina, gypsina, ~ 50% allothec
 echinoid spines, bryozoans

0-30' UDSC

30-52.1' weathered HTRN?

52.1 CLR V

W-GR-1087 T75, R15E, Sec 36 d

0-5.8' UDSC

5.8-22.7? CLR V

22.7- WLSN?

W-GR-1091 T83, R16E, Sec 21 CD

0-10.3' UDSC SAND

10.3-38' TD CypR - clayey sand

W-GR-13375 T75, R15E, Sec 16

0-~23' UDSC

23-... CLR V - worked to 42'

W-GR-13377 T95, R14E, Sec 17

70' UDSC

WLSN

W-GR-13372 T75, R16E, Sec 34 ^{b6c} Ginnie spgs)

0-20 UDSC sd + cly sd

20- CLR V - calcilitic, granular
 mix!

W-GR-13527 T10S, R14E, sec 10

10' UDSC SAND + cly sd.

WLSN

W-GR-14855 T7S, R16E, sec 19

0-10' UDSC

10- CLRV

W-GR-14853 T8S, R14E, sec 26

0-20' UDSC SAND

20' Top CLRV - thin - WLSN

also in 20-40' sample interval

W-GR-3150 T8S, R14E, sec 25 Cd

0-50' CLRV

50-83' TD WLSN

W-GR-14857 T10S, R16E, sec 36

poor spl intervals

0-5' UDSC

5-20' cly sd - lower cypre

20-35' ^{Alch} cly sd, lt. green marsh.
clay, highly leached phos grains
(or slightly phosphatized *trijilli*)
(no HCL reaction)

35-55' Alch - ~~leached phos, chert~~
~~frag., rept ls.~~ phos clay, hard rock phos
fragments, phosphatic clay, rept. ls.
etc., abd. sty sd

55-100' - UDSC SAND

100-120' Dolomite - Avon pk.?

some fragments Hawthorn - sdy phos
carbonate

3-16-88

W-GR-14863 T6S, R15E, sec 36

0-40' UDSC SAND + SL cly sd

no minor ls fragments

40-60' TD CLRV microcrystallized

W-GR-7958 T9S, R16E, Sec 7 bab

USGS TEST WELL # 943-244-310

0-5' UDSC SAND

5- Top CLRV

W-GR-148634 T 8S, R 16E, Sec 14

poor spl. interval 4 spls/30'

0-5 UDSC

35' pinkish or v. sh. clayey sd

60' CLRV ls rubble - dk

bn clay matrix, non phosphatic

80' CLRV + cavings

W-GR-5546 T9S, R 15E, Sec 35

NO SM 0-32' - B49 X sec shows ~ 20' UDSC over ALCH

32-42' clayey sd, lt. gy - clay ~ 25%

clay non phosphatic, contains scattered phos grains.

52-54' clayey sand, w sharks teeth, phosphate grains, phosphatic

clay + replaced ls

62-64' Hardrock phosphate, chert

65-69 - Hardrock phosphate

69-72' bn clay, Hardrock phos
frag.

74-75' Hardrock phosphate

72-80' Hardrock phosphate, bn clay,
repl. ls.

80-82' AS above

82-85 Hardrock phos, ^{phos} clayey
phosphatic sand, partially
repl. ls.

85-88.5 Hardrock phosphate

88.5-138' NO SM

138-139.5' highly micl WLSN

0-20' UDSC (B49)

20-88.5 ALCH

88.5-158' TD WLSN

W-GR 5567 T9S, R15E, Sec. 25aba

NO SM. 0-36' - B49 x section

shows approx this thickness UDSC

36-42' bn. clay sd, fragments
cream colored clayey sd - non phos.

46-49' bn-gy clayey sand abundant
fragments hard rock phos +
partially replaced ls.

50-51' lt. bn gy sl. clayey sd.
abundant fragments weathered coral
sponges, fragments + fragments
of h.r. phos.

51-53' highly rext ls., granular.
appear to have originally had
crinoidal matrix, scattered ^{to common} ~~ls~~
grasses etc

59-62' > rext ls. - similar to
72-75 above however more willistini
looking

0-42' UDSC

42-51' ALCH or UDSC

51-75' TD CLR? WLSN?

~~W-GR-5568~~ W-GR-5568 - poor spl. int.

W-GR 5570 - poor spl. int.

loc does not match d.L.

W-GR-8809 T10S, R16E, S 18 AA

0-10' UDSC sd y.l. bn

UDSC 10-78' lt. gr bn clayey sd w 2-5%
phosphatic ls. fragments + hard rock
phos. - w ext of rk fig. lks lk cypr

WLSN 78' Top WLSN ls.

W-GR-4148 T9S, R16E, S 28 dc

0-10' UDSC clay sd? or cypr

10-⁴⁰ cypr, sl. clay gy sd,

1-2% ls. h.r. phos frag below
~ 30'

40-50 SAND or above + trace mica
+ 2-5% bl. gr clay fragments.

50-60 Clayey sd, calcareous, phosphatic,
phosphate grains 5-10%

70-110 TD - highly mic Ls, clayey sand,
Abundant phosphate grains. Is is
variably qtz + phos sdy

0-10' UDSC

10-50' CypR

50-110' TD HTRN

W-GR-8218 T10S, R14E, S146C

0-10' UDSC sd

10-27' lower unit cypR. ch sd. v pale
orange

27-45' clayey sd, phosphatic, Abd.

Is fragments, weathered forams etc

45' ~~good~~ W2SW Ls - ~~to~~ mic + micritic,
ed.

0-10' UDSC

10-27' CypR

27-~35' ALCH

~35' Top W2SW

W-GR-13995 T8S, R15E, S10

poor spl interval

0-47' UDSC

47-97' TD CLR V

W-GR-13470 T9S, R14E, S18

0-10' UDSC SAND, clay + clayey sd

10 - Top CLR V

~~W-CR 10052 Sunnland #1 Core~~

~~0-111 NDSM~~

~~111~~

9-21-88

W-CR 10187 T 52S, R 33E sec 22a

0-5' UDSC - fr Peacock log

5-120' Tamimi Fm.

120-400 Peace River Fm.

Primarily green/gry silt w

scattered coarse sd grains,

+ phos. also scattered. Is

400-~920' Arcadia Fm.

~~phosphatic, gty, sd, dolomite~~

~~at base~~

~920 Sunn calcareous

repl. Iron rich

15

W-CR 10184 52S, 32E, sec 21B

0-50' TMIM

50- PERV - perv picked on

first occurrence of coarse grained
quartz sand + phos (vc-gran) in
association with lt. tan. dolosilty
matrix (as opposed to white calcite
matrix)

W-CR-8951 52S, 29E, sec 25a

0-~8' UDSC

Elev 3'

~8-50 TMIM

50-420 PERV

420-860 Arcadia

860-SUNN

W-CR 14920 52S 28E sec 13a

Elev 6'

0-10 NDSM

10-100 TMIM

100-370 PERV

370-770 Arcadia

770-SUNN

W CR 14922 515 27E sec 36ada
0-12' UDSC 6'Elev

12-~125 TMIM - apine frag
dolomitic matrix sd + phos - only
minor component in 120-130' sp.
~125 - 330' Pease River fm.

unwashed sps show color change at
110-120' (Peacock fm. break) but only
gradual inc in dolomite %

- 280-290 S.O. ARCA litho
silt, vt dolomite w 5-10% phos +
ARCA dolomite dominant litho by
330-340' interval - prob interbedded
org. place top at 330'

W CR 10190 525 31E 29A

0-60' TMIM elev 8'

60-430 PCRV

430- ARCA

W CR 2004 535 29E sec 14d¹⁷
8'Elev

0-30' UDSC - SAND + shell

30-120 TMIM

120-490? PCRV

490-497 TD ARCA?

W CR 10202 515 29E 21b
8'Elev

0-10' UDSC

10-70' TMIM

70-450 PCRV

450-905 ARCA

905-1330 SWNN

1330- DCAV

} from Peacock
PCRV base down

W CR 14600 505 29E sec 5
~14 8'Elev

0-2' UDSC organic rich sd

2-80 TMIM

80-392 PCRV

W CR 15530 48S 28E 2300

0-8' NOSM

18' elev

8-~130 TMIM

1st coarse elastic appar
in 120-135' interval

~130-

PCRV

W-CR 15531 47S 28E 24

Elev 25'

0-35 UDSC

35-90 TMIM

90-470 PCRV

470- ARCA

W-CR 8998 46S 28E

W-CR 10014 51S 32E 18a

Elev 9'

Formation picks by KMC from
peacock log:

0-10' UDSC

10-70 TMIM

70-400 PCRV

400-970 ARCA

970-1170 SWNN

1170- OUAL

W-CR 8899 51S 30E 17A

Elev 8'

Formation picks by KMC from
peacock litholog.

0-60' TMIM

60-160 NOSM

160-430 PCRV

430-920? ARCA?

920- SWNN?

W-CR 9905 495 32E 33

Elev 15'

KMC Sm. pebbles litho spls

0-110' TMIM

110'-350' PCRV

350-? ARCA

600-1100 NOSM

? - 1240 SWNN

1240-1280 TD OCAZ

NOTE ARCA/SWNN contact in
missing section i spls at 1100'
contain ARCA litho as well as prob. SWNN.

W-CR - 10034 495, 34E, 23 d

Elev ~20'

0-160' TMIM

160-430' ~ PCRV

~430-900 ARCA

900- SWNN

W-CR 13721 465 29E, 31

Elev ~20'

0-20' UDSC

20-195' TD PCRV

~~W-CR 14601 505 28E, 6~~
~~0-160' TMIM~~
~~160-388 PCRV~~
~~388-~875 ARCA~~
~~? ~875- SWNN~~
~~13' Elev~~

W-CR 14601 505 28E, 6

13' Elev

0-160' TMIM

160-388 PCRV

388-~875 ARCA

? ~875- SWNN

W-CR-14919 50S, 30E, 4
Elev 15'

0-97' TMM
97-425 PCRV
~425-870 AREA
870- SWNN

W-LC-16242 South Sea - DNR
CORE

0-204 - coded description
204-206.5 Dzsilt, pale
olive (46), ^{to grayish olive (44)} poor matrix, dolosilt
matrix, high dolomite alteration
var. to complete, ϕ -frag, ϕ mode,
laminated, thin laminae of gtz +
plag sdy dolosilt.

23
W-LEE-16242

South Sea Core
0-41' UDSC
41-83 TMM
83-385 PCRV
385-685 AREA
685-760 TD SWNN

GLADES COUNTY

W-GL-4750 T41 NR 30E. sec 16

0-125' NO SM

125-140 Calcitubite, ^{dolomitic} siltz, v. lt. gray (17)

poor to med ind, sand 5%, minor plagioclase,

140-170 sand + ~~clay~~ ⁽¹⁷⁾ v. lt. gray to

yellowish gray (86) poor ind, clay dusky

gt & gr (52) siltz,

- 230-260' Top Apuridian Fan

sdz, plag, dolomite/dolomitic ls.

GLADES CO.

W 4750 T 41S, R 30E, Sec 16

0-125 NO SM ELEV 39

125 - ~ 200 PCRV

~ 200 - 770 ARCA

770 - 910 SWNN

910 - 1150 Ocal - Puri CURV 910/960

WLSN 960/1070

16LS 1070/1150

Apk 1150-1770+

W-GL 5438 T 40S, R 33E, Sec 18

0-10' UDSC

10-105' CLSE

75- FMIM

105 - 430 ? PCRV

?430 ARCA

W-GL-5437 T 41S, R 32E, S 10aa²⁵

Elev between 15-20'

0-10' fill - Acc'd to Joe Banks
& Coastal Petr.

spl 5-13.5' : sand, shelly, silty
or calcilite matrix, minor phosphate
grains, some clumps slightly organic
rich sd

13.5 - 26 : Limestone, wht, vlt. gray,
vlt or
poor ind, calcilite, quartz, sandy, silty
to heavy min, variable to v heavy
sdw^{depth} nodules of well cemented silty
ls, minor shell frag.

CLSC 26-29 : Sand (37, 86 yellowish gray),
poor ind., appx 5% matrix primarily
calcilite, heavy minerals ~ 5%
fine grained, v F-C age, sub angular,
mod to poor sph.

29-35 Limestone, wht, vlt. gray, 41 99,
ind, quartz, silty, heavy matrix ~ 2%
primarily calcilite, minor skeletal gr

35-38 Sand, f. gr, poor ind, vll
 gy - yl. gy, calcilitic matrix
~~heavy mineral + phos. ? ~ 4%~~

38-46 Sand, 37-86 yl. gy, poor
 ind, calcilitic/clay matrix, f. gr
 ϕ -c rgl, Abund benthic fauna
 fr mica, sponge spicules common.
 46-54 Sand, yl. gy (37), poor ind,
 calcilitic/clay/silt matrix approx 20%,
 Fgr, ϕ -c vgc SA-SR, fr mica,
 fr mollusc frag, fr heavy min.
 benthic fauna

54-60 Sand, yl. gy (37-87) poor ind,
 calcilitic, clay matrix, laminated - thin
 laminae w clay matrix better ind
 than less clay layers, Fgr, ϕ -F
 vgc, A-SA, benthic fauna, fr
 km, 1-2% phosphate, thin
 clay laminae in base

60-67 Sand, yellowish grey (86),
 poor ind, calcilitic, silt matrix,
 Fgr, ϕ -c rgl, ~ 30% coarse
 gtz, grains, minor shell frag,
 fr phos/km, mica

67-83 Sand, vll. gy to yl. gy (77-86),
 poor ind., calcilitic matrix, v friable,
 Fgr, ϕ -M rgl, SA-SR, fr km, mica
 - small quantity well cemented fragments
 silt w calcite cement

83-90 Sand, yl. gy (86), poor ind,
 calcilitic matrix ~ 20%, Fgr, v to m
 rgl - approx 2% coarse grains
 fr phosphate + mica

90-105 Sand - same or unit above
 w increase in coarse grtz sand
 + granular approx 10%. some fragments
 of calcite cemented coarse sand, minor
 shell fragments

W 5437

105-125 SAND, yell. gr (86), poor
ind, calcilitic matrix, ~5%

Cgr, V-6 vrg, Rounded, 1%

plus sd + gravel, minor shell frags.

125-135: SAND, y.l. gr (86), poor ^{to mod} ind

calcilitic ^{+ clay} matrix ~ 15%, Fgr, V-6

vrg., ~5% coarse gr + gravel gty
trace plus gravel + fm.

135-165: SAND, y.l. gr (86), poor

ind, calcilitic + clay matrix 15%,

Fgr, ~~4~~-L vrg, SA, coarse ^{to} gr.

grain appx 5%, 1% plus sd ^{to}, ~1%

shell frags

165-

poor samples - much caving

0-5 NOSM

5-13.5 fill

13.5-35 CLSC

35-60? Wobasso? - gross top P.R.

- 870 ARCA

870 top OCAZ

Elev ~ 30'

29

W-6L-15880 T39S, R31E, S 26

30' spl intervals

0-30: SAND, v pale or (29) unconsolidated

Cgr, M-L vrg, SR-R, fr clay matrix,
fr mica, fr ls and chert frags.

30-60: SAND, OI-76, poor ind, calcilitic
+ clay matrix, ~5% (clay gty, silt)

Med gr, ϕ -L vrg, SR, plus sd 1%,

fr mica, & ls fragments, + heavy minerals.

60-90: SAND AS ABOVE PLUS

NEW LITHO: gty sdy dolomite fclls

ϕ gr, gty sd ~ 5%. - bulk spl
inter granular - intra granular + intra

xl porosity. Abundant ls fragments,

Abund mollusc frags, plus sd 0%,

specular + echinoid spines present

90-120: sd + ls as above but w addn

chert fragments + reverse plus sd

ϕ ~ 5%.

120-150' Limestone - varietal to
fine coarsened sand - 76-77,
mod to poor ind - micrite cut.
+ micrite + skel. grains, somewhat
rept., mollusc, ^{hydropent.} + columnar fragments
gtz sandy, sd m gr, v-c rgr,
phos sd ~ 1%, tr km, to spangy
calcite.

150-180 Same as above

180-210 - still getting cavings from
above however bulk litho still
predominantly sdy ls / fine sd as
above.

- First occurrence - calc clay/silt
w abundant benthic forams,
poor ind, pale yl. bn (30) (only 1
fragment)

210-390 NDSM

390-420 Sand, yl. gy (37) poor ind,
clay, silt matrix 30%, Mgr, ϕ -c
rgr, ~~SR-R~~, phos sd 5%

clay ~ 20%, dolosilt ~ 10%, shk teeth.

420-450 Sand/Limestone - lt. yl. gy (86)

poor ind, calcite matrix - variable

30+ % possibly to over 50%

phos sd 7%, significantly more calcareous

than units above. Fgr. F-M rgr

450-480 Limestone, lt. yl. gy (86), mod

induration, calcite matrix,

gtz sandy, phos sdy ~ 5%-10%

480-570 Limestone, white, yl. gy

(76-86), poor to mod ind, gtz sdy

10%, gtz silty, phos sdy 5-7%,

570-630 Limestone white to lt. gy

(76-77) mod induration, gtz sandy,

sl. phos sandy

630-710 Sand/dolosilt: yellowish

gray (86) poor to mod ind, clay +

dolosilt matrix, phos sd 3%

Fgr. v-m rgr, matrix ~ 30%

~ 15% sdy, phos dolomite - either as

thin beds or cavings

SWNN W 15880

710-740: Limestone, white & lt
orange/gray, moderate induration,
inter + intra grain porosity, micrite
& stal. grains - primarily minute
minor micritic porosity, sl. gty sdy
forams, minor mollusc molds,
recrystallized, slightly gty sdy
740 - ls. top OCA

0-90 UDSC
90 - ~25% PCRV
~25% 710 ARCA

PCRV/ARCA contact based on
T.S. maps should fall at ~200
to ~250 - in middle of NOSM section
ARCA to 710

710-740 SWNN?

740 - 1040 OCA



33

W-6L-14780 T 38S, R 32E, Sec 29

NO SM 0-275

in Arcadia litho at 275'
²⁷⁵⁻³¹⁰ Dolomite / dolomitic ls, muddy,
v. pale, gty sdy, phos sdy, some
~~phos gravel~~, v. pale or

310-20 clay-silt, lt. bl. gy, ² gty sdy,
sl. phos sdy, sk tenth

320-375 Dolomite, muddy, v. pale or, 41 gy 29-86,
poor ind, gty sdy, phos sdy, 7%
phos gravel

375-410 - Dolomite / phosphorite - dolomite
as above, abundant phos granules
abundant shell frag. - prob. cavings.

410-475: Dolomite, wht to - v. lt gy,
mod-well ind, gty sdy, phos sdy 5%
some phosphatized ls bedded - bedded.
phos gravel common

475-510 - Dolomite as above +

lt. bl. gy (B?) clay-sdy, calcareous

510-575 clay as above, gty & phos
sdy

575-705: Limestone, white,
mod ind., intergr. pores,
micrite, skeletal grains. ~~forams~~
reth. benthic forams, ^{miliolid} echinoids
ostracods

705-⁸⁷⁵ LS as above + LS, white,
micrite w. lepidodenzelia, sypsinia
sp. SWNN/OAL contact in this
interval

875-900: LS; v. pale or - micrite
poor ind.

0-275 NOSM

275-575 ARCA

575-705 SWNN

705-875 - SWNN/OAL
contact in this interval

W-6L 16281 T38, R32 sec 33 666

Elev 26'

0-60? OLSR

60-310 PCR V

595-660 SWNN?

310-⁵⁹⁵~~660~~ ARCA

660-900 TD OAL

total 930

W-6L 14310 T405, R32E, sec 21

Elev 20'(T)

0-280' NOSM

280-410 PCR V

410-425 NOSM

425-820 ARCA

820-930 TD SWNN

W-6L 9008 T41S, R31E, Sec34d

Elev 24', TO 880'

0 - 40 UDSC

40 - ~65' SAND, lt. gy. ^{mod} ~~fine~~
^{topper} ind. calcilutite matrix - f-m

gr, coarse gr common,
abund shell frag. + phos gr

~65 - 80' - SAND, v pale or,
mod-well ind ~~mod-well ind~~, C gr, M-L vgr,
rounded, calcilutite or clay

matrix or gr, minor phos,
+ cemented sand or stone interval.

80 - 100 SAND, TB, well ind. calcite and calcilutite matrix -

may vary to v sandy ls. matrix
~30 - 40 p. Abundant shell frags

and quartz granules. Fgr
F-B med. sh-l, phos sd - 5 p

some cement is spring on surface
some shell frags.

W 9008

37 ~~38~~

100 - ¹²⁰ fine cemented sand or stone
+ sand, pale y. or, well ind,
sl. dolomitic clay matrix

120 - ¹³⁰ ~~120~~ clay - same as matrix above
however much less sand

130 - 140 - Dolomite, v pale or, to lt. grey,
well ind indurated, microcrystalline,
v quartz sandy, slightly phosphate
sandy, minor shell fragments

140 - ¹⁵⁰ SAND, v pale or to y. grey,
mod ind ^{to mod} dolomite + clay matrix
Fgr, v-C pgr, s, fr. mica +
phosphate sd, clay ^{variable} 20 - 25 p
dolomite matrix 10-20 p, minor

quartz granules - possibly, cavings
200 - 130 ^{SAND} yellowish grey, to lt. sh. gy,
mod ind as above except for
slight color chg.

230 - ²⁷⁰ As above, yellowish grey,
possibly less matrix material,
cavings on surface

270 - ~~Dolomite~~, ²⁹⁰ 37, 86, moderate indurated - ^{microcrystalline} ~~indurated~~, mod-high alb., success, gty, sandy 15-30%, v slightly, phos sandy, minor cavings from surface. trace mica.

290 - 300 Sand, yellowish grey (olive (86, 87), poor to mod ind, clay + dolomite cut, Sgr. ~~of~~ C. nage, 50, clay 15%, dolomite ~ 10%, for phos sand

300 - 350 clay, 37, 87, mod ind, clay cut, quartz sandy, silty? dolomitic, some cavings from surface (organic material).

350 - ~~360~~ ³⁶⁰ Clay 37, 86, moderate ind, gty sdy, phos sdy ~ 03%, for mica, dolomitic -

360 - ~~380~~ ³⁸⁰ Dolomite, 86, poor to mod ind., dolomite + clay matrix, Fgr v - C nage, phos sdy 10%.

⁴⁰⁰ 380 - Dolomite 78, mod to poor ind dolomite + clay cement, sand 05%, phos sdy 03%, clay 10% calcification, muddy, minor sparry fragments - possibly carrier

⁴⁰⁰ 400 - ~~Dolomite~~ ^{Dolomite}, 78-86, mod ind, microcrystalline, subadul, clayey, v slightly quartz + phos sandy.

⁴¹⁰ 410 - ~~Dolomite~~ ^{limestone}, 76, 77, mod ind, microcrystalline, ~~moderate~~ ^{moderate} dolomitic, crystalline grains, minute, phos sand 10% slightly quartz sandy, 2% phos gravel.

~~PER~~

~~360~~

~~380~~

~~Base Acadia at 790~~

~~790 - 830 SWAN?~~

~~830 - 880 to PLAR~~

W-9008

0-40 UDSC
THIM? 40-80 CLSCR
~~80-135~~ THIM

~135 ~~80~~ - 380 PCRV

380-790 ARCA

790-830 SWNN?

830-880 TD OLAL

W-Hi-5132 T375, R31E, S ³¹⁶²

Elev 87'

FM picks by KML 9-89. Little log
by SLATER

0-50 UDSC

50-~250 PCRV

~250-630 ARCA

630-700 TD SWNN

Sample intervals irregular with
many intervals overlapping

W-Hi-9291 T395, R28E, Sec 22C

Elev 80' little log by SAW JAR
Evidently NO unwashed samples
remain.

0-40' UDSC

40-180 PCRV

180-580 ARCA

580-650 SWNN

650-750 TD OLAL

15
top PCRV wash
150-175

~~W-5100 GL. CO. T425, R33E~~

~~800-1800~~

~~graphical log file -~~

~~0-28 UDSC~~

~~28 top PCRV~~

~~344 top ARCA~~

~~700 top OLAL~~

W-6L-12844 T41S, R 30E sec 4

Elev ~ 37'

0-~~10~~ 105' UDSC - SDS + clay

105 - 245 PCRV

245 - 545 TD ALCA

- Trace quantities of ALCA litho
fragments sd in upper 100' - prob
reworked material along with shell
fragments etc

W-CH-9208 T41S, R 27E, S 01 b

Elev 62' (top)

0 - ~ 20' UDSC

~ 20 - 60? THIN

60 - HTRN undif.

PCRV

ALCA

SWNN

600 - 800 NOSM

800 - 900' TD IN CLRV

43

W-LE-15536 ALVA CORE

T.S. summary

4-10 ^{soil-weathered} sandy mott

10-22 soft poorly consolidated v
sandy mott

22-28.5 - 15 - THIN(?)

28.5-47' Buckhorn

47-68 THIN w SAND zone

68-~~68~~ ALVA clay

68-297 P.R. type sds than slott
ALCA (ish) interval than resume
P.R. silicified to TD 466

Appears to be NO ALCA present
- Gamma log agrees.

10755/61 51/52/53/ 11489/11

W LE 10751

0-30' NOSM

sp. collected at 30, 38, 42.5
~43, ~44, 46 11th chg between
44+46, 50.5, 52, 56, 58,
59 (46), 61, 65, 66, 71, 73, 78
16 at ~81.5' to Alva type
dolomite

10752 - core in very poor
condition - evidently also
sped by Burkner as v.l.
core material remains

10753

0-31' NOSM

31- ol. gn ch

15556 ALVA #1

0-4' soic

4-7.5 sdy marl, poor ind, minor rosette
+ open mottling

7.5-8.5 sd + sd stone - iron stained
variably indurated - more limy w depth
9.5-22.5 poorly indurated v sdy

calc. white - fr plus sd, Hgl.

gy in color, v minor shell fragments
variable to sdy dolosilt

22.5 - 28 1/2 ls, Hgl. gy to Hgy
poor to good ind v. ext., no shell
moldic. grey zones almost completely
v. l.

28.5 - 46" ls, Hgl. brn, poor to mod
ind, "nodular etc." zones in
soft mud matrix - much is
dolomitic to dolosilt w trace
organic flecks + seams

46-52.5 sdy, rpy ls, ~~poor~~ to
good ind. moldie porosity
lt gr. bn to dk gy bn, moldie
+ frans - sorted?

52.5- sdy ls. soft, minor
leached shells at 58'
becomes more granular + moldie
below ~ 60' - hard rpy more
67-68'

PERV top at 68'

47

W-6C- 3132 + 425, R30E, S20W

Elev 16'

1-3' UDSC sand w fragments of
CLSCR ~~to sdy~~ sdy ls/calc matrix sd.
10-20 - UDSC sand + sdy micritic
ls + bd rpy ls., w 1% CRS. plus
sd

20-38 pred. ~~of~~ sdy. - Fgr, F-CRS rpy
ls fr above ~ 3%, fr mica + heavier
unwashed spe in calcareous - minute
matrix, poor ind., v pale or w color
38-40 - sand, yellowish gy, poor ind
clay matrix, ~~to sdy~~, ~~to sdy~~, ~~to sdy~~
PERV matrix, fr kmr., silt or clay
fragments - poss flintbeds - sdy, bl. sm
fine mica

0-5 UDSC

5-38 CLSCR

~~38-38~~ 38-240 PERV

240-642 ARCA

SAN JUAN 11th by

W-GL-3095/500

T425, R30E, S19 Q.C. Elev ~ 19'

0-20' NOSM

20-30 CLSCR

30-185 PCRV

185-500 TD ARCA

W-GL-2396/1215'

T385, R34E, S20 C?

Elev 20'

0-65' NOSM

65-110 CLSCR

110-? NOSM

? - PCRV

?-188 clay, cluck full of diatoms
pale sh, sl. phos, dolomitic

Below 188 primarily sd w clay
matrix, H. sh. gn., phos sdg.

390 - chg fr sd w clay matrix to
sl. greyer sdg carbonate poss ARCA
top

493
476 - chg to typical area litho

undulate by ch. materials
590-616 - poss SWNN
616 - Top OLAL

888 Top Aupk

W-GL-5435 T425, 34E, S20
Elev ~ 19'

~~W-GL-1025 NOSM~~

~~1025~~

samples 101-425 missing

Str picks based in part on
existing Joe blanks by + spl. examining
by HALL

0-13 NOSM

13-51 CLSCR

51-115.5? TMIN

115.5-390? PCRV

390? - 735 ARCA

735-785 SWNN

785-1025 TD OLAL

W-9003 T41S, R29E, sec 35d

513

W-9929 Glades

yl. or clay? sd udsc

10-10 lt bn gy. silty, silty sd casce

10-20 lt bn gy clay sd - sl shy

20-30 shell bed.

30-40 gy bn clay sd, sl shy, ~~poor ind.~~
thin ~~up~~ also shy, sdy well indurated ls, w.
calcite cont sl phos sdy. - shell material
primarily chalky looking.

40-50 yl. gy to H. bn gy clay, calc sd w
2-5% shell frag. (thin chalky)

variable to sdy clay

50-60 yl. gy clay sd - sl shy

60-70 OL. gy clay, sl calc sand, sl.
shy (dgn. frs)

70-80 OL gy, sd, silty sl. dolomite
sl phos sdy, sl shy ^{mod.} (~~thin~~)

80-90 on above but 5-10' rotter shell

90-100 yl. gy (36) v coarse, well rdd sd.
dolomitic silty matrix, v sh shy, phos
sdy (coarse) ~~phos~~ phos gr + gty granule.

W-6L-15533 T42S, R29E, S18A

ELEV 40'

0-20 UDSC

20-50 OLICK

50-120 TMIM

120-210 PCRV

210-460' TD AREA

100-110 Sand or in 90-100.

ls. up to or poor ind, micritic,
sandy, clayey, sd includes coarse
sd or above sl phosphatic
minor shell fragments

110-120 Limestone white, poor ind,
micrite matrix, gty sd, v sl. phos
sdy - coarse sd or above - part
or corals.

120-130 ls. white, micrite, gty sd
inc granules

130-140 ls. wh. gty sd, v. calc. micritic
matrix, little or no phos, tr shell
minor midic porosity

140-190 posm

190-200 limestone, white, poor to
mod ind, micrite xl grns, minor
midic porosity, some oyster shell frag.
quartz sdy, sl. phos sdy

210 White to v. light gray ls - variable to
fine med. sd. muddy

120 phos sd. sl. sh - oyster?

220 ls. lt. gl. gy, micritic, v. sh,
gtg sd, sl. phos sdy, clayey, minor
shell material.

and Silt, lt. sl. gy, dolomitic abundant
benthic forams, tr. micr - v sl.
phosphatic.

230 Sand, lt. sl. gy, ^{calcareous} clay/silt
matrix variable to ls w v. ind. sd
micrite matrix, phos sdy

240 silt - gl. gray, poor ind,
calcareous, muddy matrix, quartz
sandy, benthic forams common,
sl. phos sdy

250 clay/silt - ^{dolomitic} yellowish gray,
poor ind, quartz + phos sdy, - 2%
ls or shell fragments.

260 clay - gl. gy to lt. sl. gy, mod
ind, dolomitic, v sl. phos + gty sd.
v sl sh - some fragments

- 270 clay/silt, H. qy, mod ind,
 dolomitic - dolosilty, gty sdy,
 phos sdy - 3-5%, some clayey
 some abundantly phos sdy
- 280 - clay, H. qy, poor ind,
 silty, dolosilty, quartz + phos sdy
 phos sd ~15%, 2-5% (or sh frg.
 med white gty + phos sdy
 micritic ls. - poor ind phos sd ~5%
- 290 - ls., wht, v. qy, poor ind.
 calcilitic, gty + phos sdy, good
 area litha, muddy, ~5% phos sd
- 300 Calcilitic, poor ind, wht
 to v. qy - as above but softer
 minor quantities shell fragments
- 310 ~~Dolomite~~ y. qy - ~~Dolomite~~ ^{gty} clayey,
 silty, probably bedded -
 some frg. well ind, others have
 little or no gty or phos sd.
 others contain up to 5% phos sd,
 or shell frg.

- 320 ls - dolomitic, calcilitic
 v. H. qy, poor ind ~7% phos sd,
 gty sdy.
- 330 - as above, but phos sd
 coarser
- 340 - ls - white, mod ind, calcilitic,
^{5%} ~~minor~~ sprangy grains (mostly shell).
 quartz sdy, phos sdy ~5%
- 350 V
 ↓
 still in Area at 566
 565-645 ~~566-640~~ NDSM
 sps starting 645 heavily contaminated
 with fibers, ^{plastic shreds +} mica etc utilized to
 recover circulation. Rock however
 appear to be green clay + sd
 + dolomite
- 670-680 ls. v. p. or. H qy,
 highly v. calc. ant - also
 black calcite X's up to ~ 1/2 mm
 however still gty + phos sdy

top SWNN 660
top OCA 790

9929

910-920 ls lap + opes w
micrite matrix

900-910 CLRV - calcilite
w lap + opes

860-870 calcilite w opes

0-~5 UDSC

5-60 CLSCR

60-~275 PCRV

~275-660 ARCA

660-790 SWNN

790- OCA

or poss
5-35 CLSCR
35-60 TMIN

CARLTON RESERVE CORE
SARASOTA Co.

Top SWNN 572'

0-3' gray + lt. bn sd

3-7 dk bn organic? rich sd

7-9' shelly clayey sand

9-~~10~~^{20.5} clay sd - minor shell 20.5

21.5 - ~24.5 phos. clayey sd

24.5-25 clay sd w abd shells frag.

ls rubble + phos pbls

25-33 ls - fossilif. mudic TMIN?
rest. phosphatic ARCA?

33-49 clay, ~~fine~~ gr. sl., silty?

Venice clay?

49-57.5 - lt. yl. bn calcilite? sl. phos

top ARCA?

0-6.5' UDSC

6.5-25' Qsu

25-ARCA

32.5 top Venice clay

7.97

W-CI 16001 Tillis full core
0-3 dk bn to lt y. bn

~~8417~~

sand + soil

~~11007~~

~ 3-10 or, mottled

~~11962~~

brick red to cream

~~11964~~

clayey sand

~~7761~~

~ 10-41 mottled wht-grn

~~12743, 11239~~

clay + sdly clays

~~1791~~

also lt. bn w ~~the~~

~~1767~~

sulfide on fracture
+ cracks some white
s. calc clay - phos?

prob summit
top

~ 41' top of 1st consistent

rock - next. mottled

cm to v. lt. bn ls. w some

clay blebs incorporated + some

chert - spongers

W 11452 0-50? cyp/low

185 AG sec 20

~~7602~~

0-38 cyp

38-43 low?

43- Avpk

W-8579

0-56 cyp

~~776~~ ~~only 1 sp. (1751)~~

X 1791 0-20 F ylt or sd / red chyd ^{UDSC} cyp

X 1767 0-40' F ylt or sl. chyd cyp? UDSC

X 1759 0-27' or chyd (cyp)

~~1758~~

X 720 0-20 ult. or v. red chyd (F) cyp? UDSC

X 7757 0-20' or + red chyd cyp

X 7756, 0-20 dk bn chyd (UDSC)

X 7770 0-40' UDSC - gy bn sd

X 7777 in ocals by 15'

X 7838 bn or chyd cyp? UDSC

X 7534 0-20 brt or chyd (cyp)

X 6670 (UDSC) 0-10 UDSC sd 10-20 sdw white ls. 20-30 ylt bn chyd w ls. dig

X 8038 0-30' UDSC 20, 20, sec 21

~~7961~~

X ~~7962~~

X 8416 0-21 UDSC sd + ls dig
21 liner

X 8417 13-22 or bn dolomite > Eap?
1717, sec 1, 2, 3

X 1847 0-30' + UDSC - soil, chyd, organics, rock dig.

- ~~10357~~, ~~11815~~ or 2554
 0-28 posm 28-40 yl or ch sd
 X 10389, 10353 - 0-20 UDSC/Alch? 28-40 yl or ch sd
 X 13137 posm 0-20 20-30 or ch sd UDSC? / cypr
 X 11260 - 0-30' lt yl. sd + ch sd UDSC
 no sm 0-20
 X 10619 20-30 - red or ch sd (Cypr)
 0-65' 1 spl or ch sd
 X 12148, 12149 - no spl 0-30 30-35 lt or ch sd
 X 11553, 11554, 10598
 0-20 UDSC sd 20-40 lt yl or sl ch sd UDSC / cypr?
 X 11259, 12743 - 0-40 (1 spl) yl or ch sd
 X 11964 0-30' upper lt gr bn sl ch sd UDSC
 0-12 UDSC sd
 X 12194 12-29 sd w wht ch wtx cypr?
~~12355~~, ~~12356~~, 12357 - 0-10 UDSC 10-30 yl or ch sd exp?
 X 14917 story #3
 X 15645 ~~core~~ story #1
 14910 PASLOCO
 0-15' Hyor sd
 X 10376 15-30' Hyor sd w wht ch wtx (cypr?)
 0-20 15 Eo
 X 11653, 11073 - no sm 0-20/20-25 Eo
~~10819~~
 0-70' Hyor sd 10-20' Hyor sd w bn wtx
 X 10829 ch matrix - (UDSC?)

W-16782 9-10-92

Carleton Reserve

61

- 0-6' org rich sd
 6-7 spt spn spl
 7-9 shelly sd, pinky shell - FTMP?
 9-~~18.5~~ 18.5 phos sd, trace shell
 18.5-20 spl spn.
 20-25 var shly sd, phosphatic UDSC
 new work pcrd sd rubble zone at base
 (22-25 pos pcrd or at least marked pcrd)
 25-33' sdy, phos DOLD - TOP AREA
 33-38 lt. sl. silt (Vance ch #)
 (Vance clay within the Arcadia)
 38-40' split spoon spl
 38-48.5' sl. gn ch - Vance ch
 48-50' 51'
 48-50' ch, sdy, phos (scattered shell frag.
 are caving into split spoon sample
 hole)
 49'-57.5' Dolomite, quartz + phos sdy,
 traces of shell (mold, impression etc)
 57.5-

240 TPA LS

Top TPA ~ 215' - ~ ~~330~~

240 Top Noctice litho
 - ~ ~~339~~ 399.7'

399.7 - 571.5 ARCADIA Fm UNDF
 SWNN 571.5 - 580 TD

0-6.5' UDSC
 6.5-25' QSU
 25' ARCA
 32.5' top Venice

7.97

T397
 RISE
 29 baar

W 16814 South VENICE

21.5'
 0-20' UDSC organic sds +
 clayey sds w some phos lag
 21.5' - ~27.5' FTMP - shell fragments at top

sl. clay phos sds
 27.5-28.5' clay - lost
 Reworked? PCRV 28.5-30 ⇒ 52.4'

PCRV 52.4 - 81' dolomite thin grey phos sds
 top ARCA 81' - rubble zone at top
 then variably moldic ⇒ muddy dolostone
 120 - clay ⇒ ~136 - gradual
 bdry? Venice clay?

136 - var ind + clayey moldic. dolo
 stone

Top TPA at ~254.5 thin cherts
 at ~285 + 289
 298 - ~301 ARCA lith
 301 - ~333.7 TPA

333.7 Area undy 65
~~340~~ - questionable tpa + Noctua
equivalent lithos

~681 TOP SWNN

W 158⁰³~~80~~ Md. Co.

maper MCLL 0-40+

15884 C Md. Co T15, R6E, S22C

0-2 dk bn sd - soil zone

2-8 wht, Hkbn sd + chy sd

8-15 calc. chy sd - thin chy stegons
etc.

15-17 chy sd

17-22 sl. chy sd, m-c some fm

22-28 Hgn sl. - chy, qtz, sd, minor

calc - weathered micropssils?

28- chy sd, ^{partly sd, chy} + gravel sized

fragments of cemented sd (non calc
or phos), ~~trace phos sd~~
below to 32 prob siliceous

poss. trypsilized blebs + matrix

67

32-45 clay sd - lt. bl. silica cemented
sdstone frgs. + dk gy ^{phos dolomite} ~~clay~~ ~~phos~~ ~~phos~~ phs
trace weathered phos grains

45-54 wht-vlt gn clay w phosphatized
dolomite phs wht clay in phosphatic

54-~58 sdry clay + clay sd w phos
dolomite & rubble, some unweathered
phos grains

58-60 highly weathered ls

60 bn dolomite - SWNN

0-22 UDSC

22-~59 Htan ?

~59 SWNN

W15846C Md. Co. T 2N, RBE, S22b

0-21 Mill

21-50.5 Htan

50.5- SWNN

W-15728 Md T3N, 10E sec 33

0 - ~16 Mice

-16-50 htrn

50 - ~82 stnks

~82 SWNN



W 6211 T2N, R 10E SEC 7 b

Elev 151'

0-70 Mice

70 - stnks ?



14856 Md. T1S, R8E, SEC 25

Elev 110

thick udsc



W 13365 Md T3N, R10E sec 20

Elev 99

0-5 UDSC

5-10 Mice ?

10 - 40 htrn

40 SWNN

W 13366 Md T1S, R1E sec 25 Elev 84

0-40 Mice

40- HTRN

W 13367 Md T2N, RBE, sec 1, Elev 210

0-5 UDSC

5- Mice

W 13023 Md T2N, RBE, sec 21 Elev 155

0-2 UDSC

20- ~20 Mice

~20 HTRN

W 13024 Md T1S, R9E sec 25da Elev 97

0-1 UDSC

1-20 UDSC-? Mice?

20-60 UDSC-? HTRN?

W 2155 Md T1N, R9E sec 26^{aa} elev 181

0-20 ± Mice

20- ~50 Mice?

~50 - 100 HTRN

100 - ST Mks

120 - SWNN

W-Md-15888 C T15, R9E sec 20 Elev 160

0-27 micc

27- htrn

W-Md-15881 T2S, R10E sec 35

Elev 82

0-24 UDSC

24 SWNN

W-Md-15858 T 2N, R10E sec 35 BA

Elev 165

0-~7' UDSC

~7 - (~40-47) micc

(~40-47) htrn

5T Mks
93-99

03 99-110TD

W-Md 15911 T1S, R1E, sec 34 Elev 95

0-~9' UDSC

~9' htrn? or could be UDSC

W-MD 15974 T2S, R6E sec 2 Elev 103

0-17 UDSC

17- ? htrn?

38 poss STMKJ

~~W-MD 15960 T2S, R6E sec 3 Elev 75~~

W-MD 15936 T1N, R11E sec 18 CC

0-55 UDSC

5.5-24 TD MicL?

W-MD 15931 T1N, R7E sec 33 Elev 100

7-~5 UDSC

~5 MicL?

W-MD-15960 T2S, R6E, sec 3 Elev 75

0-13 UDSC

13-72.5? htrn? UDSC?

72.5 SWNN

W-Md 16021 T3N, RBE, sec 28 ⁷⁷ Elev 155

0-2 Mill

2-~18' NOSM

~18-29± Mill

29 - HTRN

80-90 NOSM

90 SWNN

W-Md 15991 TIN R9E sec 11 Elev 120

0-2 UDSC

2-9 NOSM

9 - HTRN

W-Md ~~15986~~ 15986 TIN, RBE sec 34
Elev 125

0-4 Mill

4-20 NOSM

20-22 Mill

22-32 NOSM

32-34

34-40 NOSM

40-42 - HTRN?

W-Md 15981 T15, R11E, EL29

O - ~25' UDSC

25 - OUAL

W-Md 15980 T25, R10E, SEC4 Elw 90

O - ~22 UDSC

22 - 33 HTRN

33 - SWNN

W-LN = 16882

O - 48 UDSC

48 - Jx6F

~59.5-69.0' ? STMKs ?

lost circ at 60' / sinkhole
developed under drill rig frame
TD at 65'

W-LF 13477 T75, R14E sec 33 ⁸³

0-40 NOSM

40-45 Ocala ls + qtz sd (avings?)

~~W-LF 16508~~

W-LF 15953 C T55, R10E sec 4

0-26' UDSC sd+cl

26-36 NOSM

36-41.5' TD dolomite

W-LF 15954C T65, R10E sec 5

0-11 UDSC sd+cl

11- Ocala ls

CK W FRANK - boxes w
Fossil (I series corals)

boxes of invent. specs - un
cat - by loc/bed

W-LF 16508 T45, R12E sec 31

W-LF 16509 T55, R13E sec 19

0-23 UDSC sd + sl ch sd
23-25 as above plus n 1/2 limestone
frequent.

W-LF 16510 T55, R13E sec 19

0-5 UDSC sd w frg ocal ls

5-11 UDSC ch sd w scattered ocal ls & frg.

11-17 atz sd + carbonate - ext - prob mix by drl.

at 23' - mixture ocal ls & frg. sd + ch

W-LF 16511 T55, R13E sec 30

0-20' TD UDSC sd + ch sd

W-LF 16512 T55, R13E sec 30

0-23 UDSC sd + sl ch sd

23-25 as above plus n 1/2 limestone

frequent.

W-LF 16508 T45, R12E sec 31

0-23 UDSC sd + sl ch sd

23-25 as above plus n 1/2 limestone
frequent.

W-LF 16509 T55, R12E sec 30

0-15 UDSC sd + ch sd

W-LF 16510 T55, R13E sec 19

0-5 UDSC sd w frg ocal ls

5-11 UDSC ch sd w scattered ocal ls & frg.

11-17 atz sd + carbonate - ext - prob mix by drl.

at 23' - mixture ocal ls & frg. sd + ch

W-LF 16511 T55, R13E sec 30

0-20' TD UDSC sd + ch sd

18 08 3519, 227 80221 23-60

be 10 2 0.12 5290 23-0

entire 11/10 0.12 5290 23-0

20-25

08 08 3519, 227 80221 23-60

be 10 2 0.12 5290 23-0

01 02 3519, 227 80221 23-60

1100 100 60 200 2-0

100 100 60 200 2-0

100 100 60 200 2-0

100 100 60 200 2-0

100 100 60 200 2-0

100 100 60 200 2-0

W 16512 T 55, R 12E, SEC 14

0-25' TD UDSC sd + clay sd

W 16513 T 55, R 12E SEC 15

0-20' UDSC sd + clay sd, 20-25 NDSM, 25-50
gray silty organic matrix sd. 50-98 NDSM
98' 15-00AL (at 98'?)

W 16514 T 55, R 12E SEC 9

0-35' UDSC sd + sl. clay sd

35-40 dk bn organic rich clayey sand
minor frag. ls

40-45' dk organic rich sd on above + ~30% ls
frag.

W-LF 16515 T 55, R 12E SEC 14

0-20' TD UDSC sd + clay sd

~~16516~~ ~~W-6P 13475~~ ~~T 25, R 13E, SEC 24~~ 89

W-LF 13475 T6S, R13E sec 2
 3 spLS 0-10, 10-20, 40
 uosc sd + 18 fragments - mostly sd
 impa to tell if Abd cavings or
 15 frg in sd.

W-MC-16753 T15, R10E, SEC 11AA
 elev 91.5'

split spoon sampler at discrete
 depth intervals
 0-8' NOSM

W-8-10 sd, y.l. bn, ^{~5%} F-C 1%
 F mode, silty, clayey matrix, heavy
 minerals & finely divided organics
 throughout

14-~15 clayey sand, lt y.l. gy
 clay fills porosity, plastic
 ~15-16 (Appx 4" recovery)
 white ss, p + mod ind, white
 silica? .cmt (not calc, not phos)
 too soft

91
with lt grayish bn clay + clay sd
interstratified.

17 on above

18-20 clay sd. vlt bn clay sd w blebs
as above. mottled y/or at base

20-25 NOSM

25-27 clay, mod grt^{to} sd, lt gy to ltye
or, plastic

27-29 NOSM

29-31 clay, mod grt^{sl to,} sd, lt gray, ltye gy
to vlt grayish gray

31-32 NOSM

32-33 clay, sl sd, lt. gray, blebs

white sl. phos clay

bottom 5 ~~to~~ inches y/or vsl. clay sd
fine gr

~~33~~ sd on base of

33-34 NOSM

34-34.5

clay, lt. y. gy. vsl. grt² sd
plastic - contains blebs of hard
white (phos?) clay

34.5-36 sd on at 33'

City of Sarasota Downtown

Wellfield Deep Core

note depths not from topsin OCAL 15: at 961.5 litho
changes to dolomite - with high
moldic porosity

at 443 are in ARCA (TPA mbr ?)

at 530 are in SWNN

7 7/8 / 7 5/8 dia 5' →

781 - 1000' TD ? OCAL

549 - 781 SWNN

- 549 ARCA

376 TPA mbr top

961.5 - 970 soft sucrosic dolomite
mod to poor ind

972 - 979 hd RECL moldic dolomite

480 - 982 less moldic

982 ~~1000~~ more moldicARCA top 6.75'
V.C. 10' - 41.5'

have rubbly recovery
 at ~910, 889-890, ~885
 ~781, 760-770, 720-740, 673
~~620~~ 615-623 ⁶⁰⁵⁻⁶⁰⁹ 598-607 571-574
 552 ± (lost circ)

rubbly but much in 543-547

530-540 - lost circ 538

520-~~523~~ 530, 499 ± 502-508

0-6.75' uosc

6.75 Area Top Venice Dy 19-41.6'

~~Interval~~ starting 192'

in AREA.

366-371 crumbly ls + clay - 50% rec.

376-380 > 1' recovery -

intubed ~ 376-391 var crumbly,
 highly porous

396-400 moldic porosity - poor rec.

cl. says prod water

~414-418 friable, poor recovery

421-425 poor recovery

442-446 - moldic

280m . 098-108 019-129
 270 077-087 097-107 187-197
 260-270 200-210 220-230 240-250
 (260-270) 2 500
 240-250 260-270 280-290
 230 210 200-210 190-200
 200-210 180-190 160-170 140-150
 120-130 100-110 80-90 60-70

446-456 - mostly middle part of
badly broken cone

- Pork Co cores
- 15653
 - 15680
 - 16015
 - 16149
 - 16150
 - 16300

W PK 16015C
 0-21 NOSM
 21 - in area definite

W PK 16149 FIPR #2
 T 29S, R 25E sec ~~566~~ 19 dCC
 0-3 dk gy + blk org + clayey
 sand w blebs of cl + pebbled
 plus some

10149C cont

8-9 bn + or bn sd clay sd

99

unc mottled, oxidized blebs + grs
of leached phosphate

✓ 9- ~12.5 white, bn + lt. gray

unc gtz + plos sdg clay - mottled, some
soil zone material - plos
disturbed

12.5-16 lt. yel. or clay - plos + gtz
sdg, plos conc. leached + dk
phosphate. at ~15' 1/3' blk
bed sd + gr plos

16-17 gravel. gtz + plos, dolomite
clasts etc

17-20 lt. yel. or clay? gtz + plos
sdg - grad to sft. dolomite

* this is a mining area
much of this interval may be
fill ** topo sheet shows this
to be unmixed

W-PK 10150 FIPK #3

T295, R 25E sec 5 sb

0-4.5 dk bn + blk sl. clay sd

4.5-7.5 lt bn + gr clay sd

7.5-12.00 clayey sand, lt. yl.

+ or, mottled

/ 12-18 sd. lt. yl. gr, sl. clay
contains leached phosphate sd

Bene mica below 10' becomes

more yellowish, also cont phos

gr. leached ~ 17.5 get some

unleached phos grains

18-^{19.5} calc clayey gr. bed.19.5-²³ lt. gr. gy sd - phos sd + gr
clay matrix23-~~24~~ 29.5 clay, phos sds

/ 29.5 becomes more calcareous

Area - soft grs + phos sdy disintegrate
to 38' - cobbles below to

80-83' bed w/ Area dislo

WEX-16300 webber Coll. 103

0-137 catbings T305, R28E, sec 29

0-2 UDSC sd w slight org matrix

2-107 clean white gtz sds - v sl.

clayey - just enough to ~~be cohesive~~
bind sediment - ~~appears~~ not when dries

107-132 sand as above w wht/Hyl
clg matrix - grades dn to granules
sized.

132-137 silty sdy clay, micaceous,
lt. of gr

349' TD

Cuttings shelves

18" deep 42 wide (40" useable)

Core box 13.5 wide 26" long

check shelves
uprights -

OK for w/s

SM
LK

7613
7619

~~16505 Little & geophysical~~ 105

~~16837~~

~~16838~~

~~16842~~

~~16818~~

~~16879~~

~~16752~~

~~W 16837 A-MN-4 53.5' TD~~

~~WDSC sds, clay sands to 53.5' TD~~

~~16838 A-MN-6 38' TD~~

W 16752 (A-MN-3)

107

T 365, R 21E, S 11 dac 44' Elev

O-43' TD - UDSC

computer linked by by KMC

W 16842 A-MN-5

T 365, R 21E sec 5 dbd elev 71

TD 48'

O-33' UDSC

33-48' TD PCRV

LAT $27^{\circ}22'20''$

LONG $82^{\circ}13'15''$

W-16838 A-MN-6

Bliss Fire Tower T 335, R 19E sec 20 bld

Elev 43' TD 38'

O-13 UDSC

13- TD PCRV

W-~~1674~~ 16748 A-MN-2

T37S, R21E sec 7 dea

LAT $27^{\circ}16'28''$ Lon $82^{\circ}15'03''$

0-23 UDSC

23-40' TD PCR/V

W ~~16837~~ 16837 A-MN-4 53.5' TD

T36S, R22E, sec 28 bd Elev 70'

0-53.5' TD UDSC sds + clay sds

W 16741 A-MN-1 33.5' TD

T35S, R19E, sec 25 bb elev 49'

0-14 UDSC

14-32 undif shly sd, var

clayey, var phosphatic

32- TD PCR/V

W- 16303

T355, R18E, sec 22 CCB

0-13 UDSC

13- PCRV

47 ARCA?

W 16271/101'

~~T345, R20E, sec 36 dcd~~

T335, R 20E, sec 15

0-16.5 (Box 1) UDSC

16.5-30 UDSC 30-33.5 NDSM

33.5 in PCRV

53.5 (Box 3) in PCRV? ARCA?

W-16260 MN

T33S, R18E sec 20

0-25 UDSC sd

25-28.5 NDSM

28.5 - 30 shelly, clayey
phosphatic sand

30-33.5 NDSM

33.5 - 40 phosphatic shelly sd
PERV

40-43.5 NDSM

43.5 - scale phosphatic clay sd

0-25 UDSC

? 25 - 33.5 ? shelly phos sd

(Qsu)

33.5 ? Perv

~~W-MN-16257~~~~T 34S R 22E sec 36 dcd~~~~elec N 100'~~

W-MN-16257

T 34S, R 22E, sec 36 ^{dcd} ~~dec~~

split spoon spcs

0-35' UDSC

~40' PCR V

W 16836 A-DS-4

T 37S, R 23E, sec 31 dcl

Elev 41' TD 43'

LAT 27°12'27" 82°03'12"

0-10.5 UDSC

10.5-TD PCR V

W 16750 A-SA-2/43

T38S, R22E, sec 16 ddd Elev 35

0-8.5 uosc sd+clay sd

uosc 9-10.5 clay sd w trace punky shell

10.5-^{12.5} sl. clay phosphatic sdQsu 12.5-¹⁶ phosphatic sand, mod-poor ind
calcilutite matrix16-17.5 ^{white} clayey sand, ~5% phosphate
~7% shell avg.

✓ 17.5-43' phosphatic clayey sand, + clays

PCR

16878 A-MN-8/43

T37S, R21E sec 26 bab Elev 45'

0-16 uosc sd+clay sd

16-43' TD PCR - clay sd,
phosphatic, some soft
dolomite beds, + dolo cts

W-MN-16879 A-MN-7/28.5 ¹¹⁹

T 375, R 21E sec 33 ~~chr~~ chd

0-14 UDSC

14- TD PCRV

116881 A-HA-1/43

T 355, R 23E, sec 18 chC E/W 78

0-1.25 Fill

1.25- 40 ~~#~~ UDSC

40- 43.0' TD PCRV

W16789 A-SA-4/38.5

~~#~~ T 375, R 20E sec 24 bdc

E/W 30'

0-3.5 Fill

3.5- 35.5 UDSC

35.5- TD PCRV

15676 - in PCRV at 11'

W-MN-15674 / 22' TD

121

T 355 R 18E sec 1 cbb elev 32'

LAT 27°28'22" Lon 82°26'59"

split spoon spcs (5' int) partly
labeled - in PCRV by 15-17' int.

W-MN-15675 / 105' TD

T 355 R 18E S 1 cbb elev 32

LAT 27°28'22" Lon 82°26'59"

0-5 UDSC sd

UDSC 5-10 sd, w leached phos sd +
green - poorly ind. -

10-15 gn gy clay + phos gran +
carbonate seg

/ 15-20 ol. gn clay w phos sd + gran
- oxidized in large part - orange
mottling

20-25 gn + bn clay w phos, organics
+ blebs cln. sp sd - lks reworked

/ 25-30 ol. gn clay sd, phosphatic

Pow

W-MN-15677/100' Elev ~15' 125

T 345 R 18E S 25 db

LAT 27° 30' 02" LON 82° 27' 10"

15' - y.l. bn gtz + phos sdg cly w

abd leached phos granules - (Ks newk)

20 same

30 in PerV

spls only labeled w one depth -

don't know if at stated depths or
range from prev. spl

W-MN-15678/25' split span spls

~~E~~ T 355 R 18E S 1 cb

LAT 27° 28' 17" LON 82° 27' 12"

0-5 NOSM

5-7 sd + cly w shell

10-12' residual or newk PerV/Arca

phos sdg + granula, ~~to~~ carbonate

clasts etc in cly sd matrix

15-17 or bn cly sd, phos sdg -

poss perV in place but leached/ok

126
20-22' good P.R. phosphatic SL
clg sd

23-25 incr in clay content
grey v clg sd w phos

10?
0-2 UDSC/UDSS
10-15? reworked pcrv
15 poss top pcrv
20 in pcrv

W-MN-15679 - same loc as
W-15677

T 34S, R 18E, sec 25 db

0-14 NOSM

14-16 UDSC - w exception
of plug from shoe (w lost 1.5 inches
- pcrv

0-15.5 ~ UDSC

15.5 ~ Pcrv

W-MN-15680/27'

T 355 R 18E S 1 666

LAT 27°28' 24" Lon 82°26'50"

0-~21 UDSC sd + ch sd

~21 PCRV

W-~~#8~~ DS - 9169 T 385, R 23E sec 6A

0-15 UDSS -

15- PCRV

D-~~#8~~ DS - 9178

T 375, R 23E sec 22C Elev 42'

0-10 UDSC

10- PCRV

30 ARW

N-DS-9183 T 385, R 23E sec 1d
Elev 43'

0-10 UDSC

10- PCRV or PCRV

20 PCRV

12245 DS

top AREA 88.5'

128
W-DS-9184 T37S, R23E sec 6d
Elev 57

0-20 UDSC

20- PERV or unworked + nothing dry.

W-DS 12244 T39S, R23E sec 3cb

0-26 UDSC ^{Per 98}

26 PERV
57.75 AREA

W-DS 12245 T38S, R23E sec 1ba

Elev 43

0-10 UDSC ^{Per 98}

10-25 PERV?

25-88.5 PERV

88.5 AREA

W-DS-13727 T31S R23E 15ad

Elev 60

0-20 UDSC

20- PERV

65 area

W 16666 A-Hi-3 T37S, R31E sec 11a & 11b

0-3' Fill

3- 31' UDSC sd + clay sd

31- 33.5 TD FTMP,

99 shelly, clay sd

W 16667 A-Hi-4 T36, R33
sec 28 1/2 RA

0- 6.5' Fill

6.5- 28.5' UDSC - sd, organics
+ clay sd - interbedded

28.5- 33' TD
99 clay sd, shelly - FTMP

W-Hi-16668 A-Hi-5/33'

T 35S, R 32E, sec 27 cbb

0-3' Fill

3- peat + muck - sandy

5.5 org rich clay sd

7.0 sd w blebs/stringers

of org. clay sd

8.0 muck, quartz sandy

sparse spicules

0-3 fill

3- 25.5 UDSC sd
clay + organics

25.5- 33.5' TD

clay, silty, calc.

shelly toward
base

FTMP?

UDSC
QR

130
10.5' sand w fibrous peat
13' wht sd w organic rich
blebs

15.5 qtz sand w org. coated
blebs

18' same as above

20.5 quartz sand w sl
organic matrix

23' Quartz sand - minor
organics & clay matrix

25.5 Clay gybn (dry) gn
when wet (aced to d.L.)
quartz sandy, thin stringer
of gn vel pure clay

28' clay, H. sl., qtz sdy

~~PTMP~~
CALLAREOUS

30.5 clay, ol. gy, CALLAREOUS
^{minor} trace leached shell, qtz sandy
& sieby

33.5' lt sl. gr clay, qtz sdy,
cale. 10-15% leached shell

W-Hi-16669 A-Hi-6

T345, R31E sec 23 1RR

UDSC
(or) 0-16' UDSC sd & clay sd - variable
organic content

16 gn clay & clay sd

17.5 gn clay & clay sd, calc.
leached shell material18.5' buff calc clay / soft clay
ls. - gtz sandy, benthic
forams, leached shell21 lt gy sd, calc. matrix,
shelly

23.5 lt. grayish clay sd

26' " " " "

28.5' to " " " "

W-SA-16839 A-SA-10

132

TAYLOR RANCH

T40S, R20E sec 8 aa elev 12'

UDSC 0-2.5' UDSC sd w organic

fragments + matrix

2.5-3' yl. bn calc., clayey sand
trace leached shell material.

FTMP 3-5' gradational with units above
and below.

5-7.5' quartz sand, lt. gy,
poor ind. calcareous matrix

1-2% leached shell material
tr heavy mineral.

7.5-11.5 greyish brown shelly, calc.
clayey sand,
poor ind. 5% matrix material

appx 5% shell + fragments
most shell earthy, but some
w luster remaining.

11.5 thin organic rich shelly sand
stringer (1 inch)

01-02-2 PEBBLES - NO

FOOTAGE

Shells and bones 30% 20%

Sponges 12 2200 75-0 20

Hollow in fragments

bone parts, 100 in 10 2.5

Random large black parts

made from thin laminae 2-2 1/2

white line

soft, some dense 22-22

Hollow rounded, thin, many

Limestone like but very 10 80

dark, large, 20000000

dark, small, much 20000000

interfused 2-2 thin, many

finger-like 2-2 large

small, thin, like thin

thin, thin, 20000000

thin, thin, 20000000

thin, thin, 20000000

W-SA-16839 CONT

11.5-12.5 greyish brown, calc.
shelly sand12.5-16.5' lt. grey qtz sand,
calcareous, quite shelly
~25-30%, mod ind, calc.
matrix.

16.5-18.5 no sm

18.5-19 lt bn gy calcareous
clay/soft clayey limestone,
quartz sandy, phosphate sandy,
poss variable to sand like19-22.5 coarse qtz sand & gravel
calc matrix, poor ind. abd
shell debris, sparse phos. sd.22.5-26' Quartz sand, calcareous
matrix, poor ind, lt. gy
appx 15% phos sd, abd.
large shell frag. - 1x1x
reworked area

W-SA-16749 A-SA-1/53.5

T 37S, R 19E, sec 31 add

elev ~~18~~ 18'

0-3 udsc sd + chy sd

3-5.5 qtz sand, calcareous, abd
fine shell fragments, lt gy, white
+ yl. poor ind.~~5.5-6~~ 5.5-6' yl. bn qtz sd, poor ind calc. matrix
trace fine leached shell debris.6-13.5 Quartz sand lt. bn, p ind,
clay matrix ~5%, -tr shell13.5-14.5 Dolosilt, pale yellowish or,
poor ind, sl. qtz sandy, sl
phos sdy + pblly dolosilt +14.5-15' ~~dolomite~~ - calcite - white
poor-mod ind. ~~dolomite~~, quartz
and phosphate sandy embedded
dolo xls.

15-16 As above but softer

16-18 dolosilt v pale greyish orange

222 - 42-6 24721 - 52 - 0

blue 12. 22. 391 8.252 5

'81 12. 649

loc. 12 + 62 2200 8-0

blue 12. 22. 391 8.252 5

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slightly quartz + phosphate sandy,
18-26 Dolosilt, yellowish gray,
quartz sandy, ~7% phos sd.

these leached shell + phos
granules as contaminant

26 - ~~25~~³¹ dolosilt, chalky, interbedded
with beds with increased clay + phos
sd

31-34 Clay, greenish gray,

34-38 dolosilt, sl. gtz + phos
sdy, poor int, yellowish
gray,

38 - 44.5 dolosilt, yellowish gray,
abundantly gtz + phos sdy, var
to dolomite sd, inter in
clay at 43.5'

44.5 - 48.5 Dolomite, + clay. D.L. states
rough drilling - prob. stringer of rock
+ clay, dolomite sl gtz + phos sdy,
also coarse gtz sd

- lower portion has some contamination
from upper part of hole

0-3 UDSL
 3-13.5 FTMP
 13.5-53.5' TD ARCA
 W-SA 16751/38
 0-16 UDSL
 16-18 FTMP
 18 ARCA
 fd in dk blockish gn cly
 (- Venice cly?)

48.5-53.5' - composite sample
 - churned due to slow drilling
 - 1' thick or above but harder

0-3 UDSL

3-13.5 FTMP

13.5-53.5' TD ARCA

W-SA 16751/38

0-16 UDSL

16-18 FTMP

18 ARCA

fd in dk blockish gn cly
 (- Venice cly?)

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"

16882

LN

81

12960

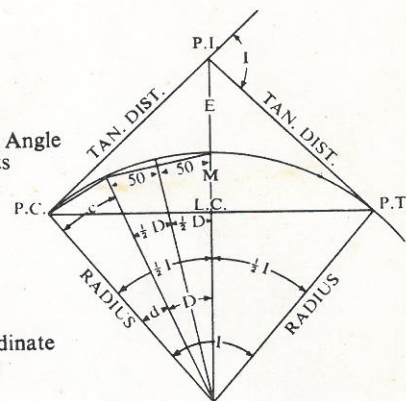
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CURVE FORMULAE

- D = Degree of Curve
- 1° = 1-Degree of Curve
- 2° = 2-Degree of Curve
- P.C. = Point of Curve
- P.T. = Point of Tangent
- P.I. = Point of Intersection
- I = Intersection of Angle, Angle between Two Tangents
- L = Length of Curve, from P.C. to P.T.
- T = Tangent Distance
- E = External Distance
- R = Radius
- L.C. = Length of Chord
- M = Length of Middle Ordinate
- c = Length of Sub-Chord
- d = Angle of Sub-Chord



$$R = \frac{L.C.}{2 \sin \frac{1}{2} I} \quad T = R \tan \frac{1}{2} I = \frac{L.C.}{2 \cos \frac{1}{2} I}$$

$$\frac{L.C.}{2} = R \sin \frac{I}{2}, D 1^\circ = R = 5730, D 2^\circ = \frac{5730}{2}, D = \frac{5730}{R}$$

$$M = R (1 - \cos \frac{1}{2} I), = R - R \cos \frac{I}{2}$$

$$\frac{E + R}{R} = \sec \frac{I}{2}, \frac{R - M}{R} = \cos \frac{I}{2}$$

$$c = 2 R \sin \frac{1}{2} d, d = \frac{c}{2 R}$$

$$L.C. = 2 R \sin \frac{1}{2} I, E = R (\sec \frac{1}{2} I - 1), = R \sec \frac{I}{2} - R$$

Minutes in Decimals of a Degree

1'	.0167	11'	.1833	21'	.3500	31'	.5167	41'	.6833	51'	.8500
2	.0333	12	.2000	22	.3667	32	.5333	42	.7000	52	.8667
3	.0500	13	.2167	23	.3833	33	.5500	43	.7167	53	.8833
4	.0667	14	.2333	24	.4000	34	.5667	44	.7333	54	.9000
5	.0833	15	.2500	25	.4167	35	.5833	45	.7500	55	.9167
6	.1000	16	.2667	26	.4333	36	.6000	46	.7667	56	.9333
7	.1167	17	.2833	27	.4500	37	.6167	47	.7833	57	.9500
8	.1333	18	.3000	28	.4667	38	.6333	48	.8000	58	.9667
9	.1500	19	.3167	29	.4833	39	.6500	49	.8167	59	.9833
10	.1667	20	.3333	30	.5000	40	.6667	50	.8333	60	1.0000

Inches in Decimals of a Foot

$\frac{1}{16}$	$\frac{3}{32}$	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$
.0052	.0078	.0104	.0156	.0208	.0260	.0313	.0417	.0521	.0625	.0729
1	2	3	4	5	6	7	8	9	10	11
.0833	.1667	.2500	.3333	.4167	.5000	.5833	.6667	.7500	.8333	.9167

