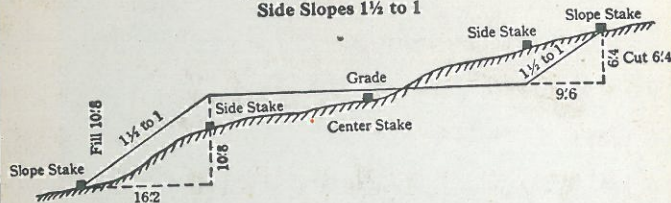


Field Book 12/24 - 3/28

3-1-88

DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING
 Roadway of any Width
 Side Slopes 1½ to 1



In the figure above: Opposite 6 under "Cut or Fill" and under .4 read 9:6 the distance from the side stake to the slope stake at right. Opposite 10 under "Cut or Fill" and under .8 read 16:2, the distance from the side stake to the slope stake at the left.

Cut or Fill	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	Cut or Fill
Distance out from Side or Shoulder Stake											
0	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	0
1	1.5	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	1
2	3.0	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.4	2
3	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.6	5.7	5.9	3
4	6.0	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.4	4
5	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.6	8.7	8.9	5
6	9.0	9.2	9.3	9.5	9.6	9.8	9.9	10.1	10.2	10.4	6
7	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.6	11.7	11.9	7
8	12.0	12.2	12.3	12.5	12.6	12.8	12.9	13.1	13.2	13.4	8
9	13.5	13.7	13.8	14.0	14.1	14.3	14.4	14.6	14.7	14.9	9
10	15.0	15.2	15.3	15.5	15.6	15.8	15.9	16.1	16.2	16.4	10
11	16.5	16.7	16.8	17.0	17.1	17.3	17.4	17.6	17.7	17.9	11
12	18.0	18.2	18.3	18.5	18.6	18.8	18.9	19.1	19.2	19.4	12
13	19.5	19.7	19.8	20.0	20.1	20.3	20.4	20.6	20.7	20.9	13
14	21.0	21.2	21.3	21.5	21.6	21.8	21.9	22.1	22.2	22.4	14
15	22.5	22.7	22.8	23.0	23.1	23.3	23.4	23.6	23.7	23.9	15
16	24.0	24.2	24.3	24.5	24.6	24.8	24.9	25.1	25.2	25.4	16
17	25.5	25.7	25.8	26.0	26.1	26.3	26.4	26.6	26.7	26.9	17
18	27.0	27.2	27.3	27.5	27.6	27.8	27.9	28.1	28.2	28.4	18
19	28.5	28.7	28.8	29.0	29.1	29.3	29.4	29.6	29.7	29.9	19
20	30.0	30.2	30.3	30.5	30.6	30.8	30.9	31.1	31.2	31.4	20
21	31.5	31.7	31.8	32.0	32.1	32.3	32.4	32.6	32.7	32.9	21
22	33.0	33.2	33.3	33.5	33.6	33.8	33.9	34.1	34.2	34.4	22
23	34.5	34.7	34.8	35.0	35.1	35.3	35.4	35.6	35.7	35.9	23
24	36.0	36.2	36.3	36.5	36.6	36.8	36.9	37.1	37.2	37.4	24
25	37.5	37.7	37.8	38.0	38.1	38.3	38.4	38.6	38.7	38.9	25
26	39.0	39.2	39.3	39.5	39.6	39.8	39.9	40.1	40.2	40.4	26
27	40.5	40.7	40.8	41.0	41.1	41.3	41.4	41.6	41.7	41.9	27
28	42.0	42.2	42.3	42.5	42.6	42.8	42.9	43.1	43.2	43.4	28
29	43.5	43.7	43.8	44.0	44.1	44.3	44.4	44.6	44.7	44.9	29
30	45.0	45.2	45.3	45.5	45.6	45.8	45.9	46.1	46.2	46.4	30
31	46.5	46.7	46.8	47.0	47.1	47.3	47.4	47.6	47.7	47.9	31
32	48.0	48.2	48.3	48.5	48.6	48.8	48.9	49.1	49.2	49.4	32
33	49.5	49.7	49.8	50.0	50.1	50.3	50.4	50.6	50.7	50.9	33
34	51.0	51.2	51.3	51.5	51.6	51.8	51.9	52.1	52.2	52.4	34
35	52.5	52.7	52.8	53.0	53.1	53.3	53.4	53.6	53.7	53.9	35
36	54.0	54.2	54.3	54.5	54.6	54.8	54.9	55.1	55.2	55.4	36
37	55.5	55.7	55.8	56.0	56.1	56.3	56.4	56.6	56.7	56.9	37
38	57.0	57.2	57.3	57.5	57.6	57.8	57.9	58.1	58.2	58.4	38
39	58.5	58.7	58.8	59.0	59.1	59.3	59.4	59.6	59.7	59.9	39
40	60.0	60.2	60.3	60.5	60.6	60.8	60.9	61.1	61.2	61.4	40

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FLORIDA GEOLOGICAL SURVEY

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Don + Cindy
386-2375

Made in U. S. A.

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Phone #s

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Brian Murphy (home) 646-3021
+ Debbie

George Ogden (813) 644-8236 (home)
(wk) 428-1431

Dale Carson 428-1431

Wink Winkler (813) 646-8591
(Bromwell-Carrier) (Lateland)

F.P.R. (813) 533-0983

IMK 533-1121

GARDINIER 285-8125

Tony Gilboy wk 796-7211 LOCAL

(6) 628-0111

2
From 37 turn W. on Pipkin
(opposite Lt. Mearns Dr.) go ~3 mi
(past water tower) to yakes: turn L
on yakes, take first left,
go to "T" and turn left then
Rt onto Bonny Brook N

Brooksville Holiday inn E Hwy 50

Sheraton Hwy 40 I 75 Ocala

Ocala Ramada Inn 732-3131

Phone #	ERA	PERIOD	EPOCH	AGE (MyBP)	Symbol
Brian M. + Debbie	CENOZOIC	QUATERNARY	HOLOCENE	.01 - present	
			PLEISTOCENE	1.6 - .01	Q
George C.		TERTIARY	PLIOCENE	5.3 - 1.6	Tp1
			MIOCENE	23.7 - 5.3	Tm
Dale Car.			OLIGOCENE	36.6 - 23.7	To
			Eocene	57.8 - 36.6	Te
Wink W.			PALEOCENE	66.4 - 57.8	Tp
(Bromwell)	MESOZOIC	CRETACEOUS		144 - 66.4	K
F.P.R.		JURASSIC		208 - 144	J
		TRIASSIC		245 - 208	Tt
IMC	PALEOZOIC	PERMIAN		286 - 245	Cpm
GARDINIER		PENNSYLVANIAN		320 - 286	Cp
		MISSISSIPPIAN		360 - 320	Cm
Tony Gills		DEVONIAN		408 - 360	D
		SILURIAN		438 - 408	S
		ORDOVICIAN		505 - 438	O
		CAMBRIAN		570 - 505	C
		PRE CAMBRIAN		3800 ± - 570	Pe

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6392	92	11453	107	15617	68
6393	"	11564	107	15618	70
6475	93	11565	"	15619	72
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6541	105	11646	102	15866	105
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		11659	"		

6 LAKE HATCHINEHA OHWL STUDY

12-12-84 staff mtg re previous work & present situation

DISCON - 1880's dredged in Kissimmee chain on stake northeast - lowered level in Kissimmee chain but did not connect directly to lake Hatchineba - water level may have been lowered indirectly however. A.C.E. 1960's installed structures & dug canals which lowered Hatchineba level now maintained between 48.5' and 52.5'.

Cypress clearing NE Hatchineba at ~ 51' elev.

1981 NE Kissimmee study set Kissimmee OHWL at ~~53.1~~ 53.1' (down stream of Hatchineba ∴ would expect natural OHWL for Hatchineba to be higher).

Camp LESTER (813) 696-1123

Recon trip to LK Hatchineba
12-12/12-14-84. Inspect + select
transect sites

Boq. personnel on trip KMC, W.S., G.B.
other DNR personnel: Doug Thompson,
Cory Newman, Katherine ... DNR legal.

DIRECTIONS to CAMP LESTER

go down 475 to 517a (~5 miles
N of Lake Wales) - look for
LK Kissimmee St park + follow 4th
signs (~15 miles) ~ 500 ft before
st. pk gate (on rt) take rd to
left - go ~ 1 mile.

LEO COSCE (813) 696-1123

1-21-85 LH-T 296

photos 1) cypress tree
2) landward dipping org.
beds at 10+36 showing that
sand ridge has/is migrating

shoreward

3) peat layer 1.5" thick at
10+31 peat layer extends from
10+27 to ~ 10+33

end of KMC rd of print film

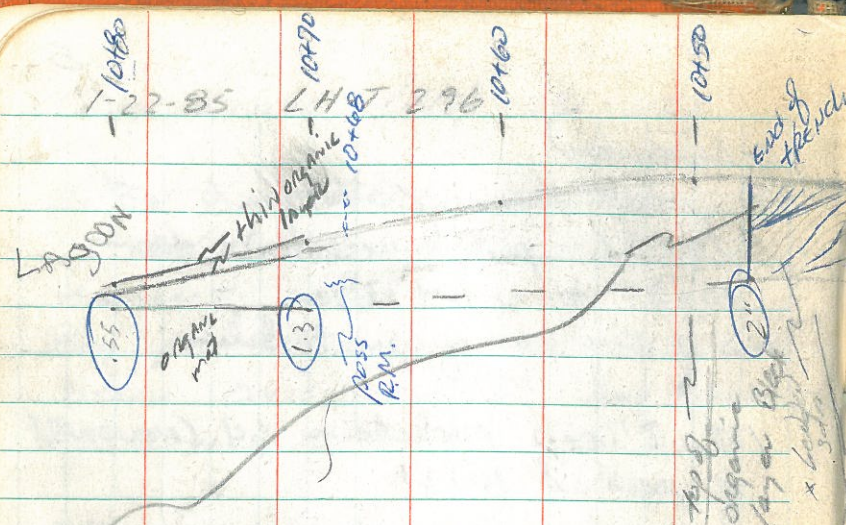
1st 2 exp Kodachrome 64 (new roll
of peat at 10+31)

3+4 10+36 to 10+38 westward
bedding: thin peaty layer over
thin organic layer below

5,6 same station beds on left side
of trench to peat layer app. 1.5"
below land surface

7-8 shoreward dipping beds - dark
organic layer w x bedded sands
between

9-10 trench, looking south, possible
ripple marks

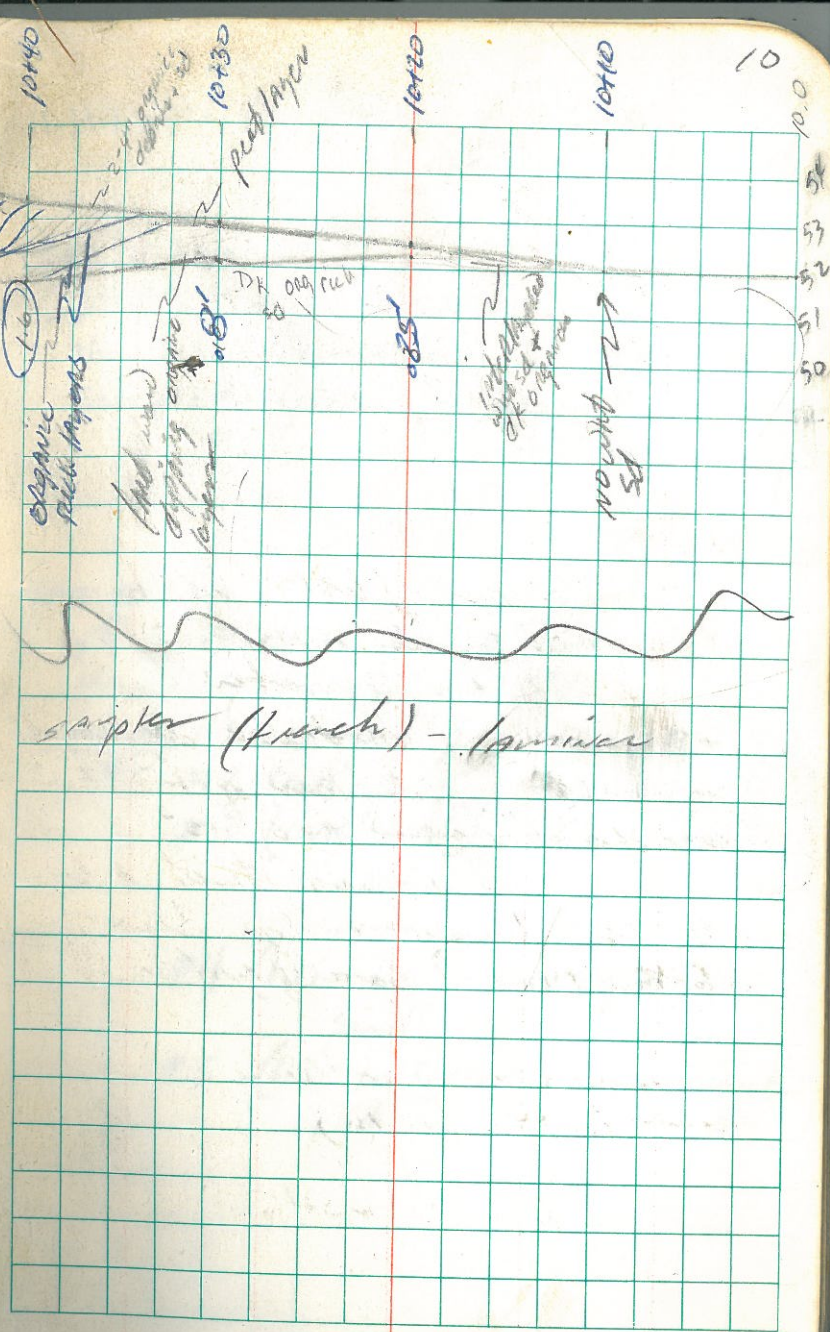


these beds flatter at base
top however is indistinct and
seems to be truncated
these beds dip landward at $24-32^\circ$
(approximate at mid of ind beds)
^{component}
~~these~~ dip of some beds to $5-12^\circ$

much more indistinct at base
 $\sim 8-12^\circ$ landward dips becoming
flatter toward base of ind beds

some organic mottling in this
area (10440-10446)

organic bed is mottled + flat lying
in strike direction



scriptor (French) - (American)

LHT 296 (7) notes
 descript Spencer
 Campbell

Sta 10+00

pH @ 1.0' depth is 5.9

Humidity index is 60.0 %

Sample #1 (0'-0.1') gray salt and pepper
 " #2 (0.1'-0.8') black sandy clay

Sta 10+20

pH @ .4' depth 6.1; @ .6' ^{white sand} 6.1

Humidity @ .4 100%; ^{white sand} @ .6 90%

Sample #1 (0'-0.3') salt & pepper sand

" #2 (0.3'-0.75') black sandy clay

#3 (0.75'-1.0') white sand with
 dark organic stain and minor
 mottling

#4 (1.0'-1.3') dark organic rich
 sand

#5 (1.3'-1.45') light organic rich
 sand

LHT 296 ph @ 1' depth 6.2 HI 15 white
Station 10+40 pH @ 2' depth 5.2; HI = 100% Black
Sample #1 (0'-0.25') light gray with qtz sand
and organic debris

#2 (0.25' - 0.95') white sand with minor
organic mottling

#3 (0.95' - 1.0') dark organic rich
zone

#4 (1.0' - 1.3') white qtz sand

#5 (1.3' - 1.6') gray qtz sand with organic
dipping stringers landward

#6 (1.6' - 2.0') peaty sand brownish
black

Granulometrics

St2 10+45 Laminar samples
upper x bedded sands
Lower x bedded Sands

LHT 296
St2 10+60

Sample #1 (0'-0.3') gray or organic rich
debris sand.

" #2 (0.3' - 0.5') white sand

" #3 (0.5' - 1.1') light grayish brown
bedded sand dipping landward
with minor organic mottling

St2 10+68

Sample #5 (1.6' - 1.4') black and gray
mottled organic rich sand

#4 (0.9' - 1.4') quartz sand white
or cream colored with thin bedding
plane stringers of organics

#3 (0.6' - 0.9') white sand with minor
organic mottling

#2 (0.3' - 0.6') qtz sand light yellowish
orange with faint beds, some mottling

#1 (0.0' - 0.3') dark brown organic sand

pH = 5.6 from bottom #5 sample, HI 55%.

pH from dipple mark = 6.2

HI = 65%

GrH top soil 5.45

HI 100%

LHT 296

Sta 10+80

sample ① (0'-0.1') muck

" #2 (0.1'-0.35') gray^{wh} mottled
sand

#3 (0.35'-0.4') dark organic
rich sand

#4 (0.4'-0.75') sand-grayish
somewhat mottled

#5 (0.75'-1.0') organic rich
black peaty sand

pH of #5 6.5 with HI of 60%

top soil 5.8 pH and 50% HI

Sta 11+00

sample #1 (0-0.5') black with
pockets of white sand
1 of 1 or grayish sand mottles

Second Lake Hatchinche field
work trip Feb 4 then 8

Campbell + Spencer - asst. by
Henry Hamnell

complete work on LHT 275
do LHT 310, 318, 048, + 058
RETURN to TLH evening of 2-7, 8

NKPL GAVIN log
-6' - 100'

KR 64 - 20

5-7-85 several photos

NKPL dragline

68 yd³ / 320' boom

Martinus Marietta pit
rocky pt 99

photos of upper ~~rocky~~ Pt. M.

Haystack new. ~~Haystack~~ Haystack
(based on Cattle Haystack Fm.)

Becky Enos - geologist
w N.C. Geological Survey

— 2 shots TGA Drudge

— 2 shots overburden section
post cretaceous (Pleistocene) +
cretaceous fm. + upper yktown

— 1 — unnamed Pleistocene - resistant
yktown ~~non stratified~~
shell bed + underlying
post cretaceous gumbo clay

— 1 of lower cretaceous + upper yktown

20
— 1 shot 2 drag mining - 19 drops ore, small moves
to wall

— shot of 19 drag

200/36

several photos 19 drag 72 yd³
mining + pit face

photo su. pit Post cretaceous
cretaceous
yktown

just below water level
when - when it starts

pebbles gone at cretaceous bottom

pebbles of H. ~~stone~~ old hydraulic
pit / ~~hydraulic~~ pit
Pleistocene / ~~old~~ sd
Boulders of gravel (ppl. ~~large~~)
dark grey green fine

2 photos - 1 sec Body + Top Pit
2 sec

CEN FL.

Day 1 - several rows from
WRG & corners mine

day 2

WRG Hookers prairie
base of matrix 1 (Bove Valley mpt)
top of matrix 2 - iron oxide

ss bed Tom Hodgins indicating
top of mineable Bove Valley
top of Bove Valley at uppermost yellow
bed

central SLA photos

- several photos from WRG western
four corners mine
- WRG Hookers prairie
base of matrix 1 (Bove Valley mpt)
top of matrix 2 - iron oxide
- Mobil St. Meade - old hydraulic
pits - historic sdr analysis
white plantainum sd.
- Rubble zone in base of CF
pit
- Mobil St. Meade - old hydraulic
pits. historic organic sd
white plantainum sd
Heavy pebble zone
analysis deeper pebble zone
base Bove Valley acid to Stan Pigg
well up into pebble beds
- also old mobile pits two photos
- 1 - base of pebble beds (top of fan
zone)
- 2 - Tom Hodgins indicating top of
mineable Bove Valley top of Bove Valley
above at uppermost yellow bed in
scicular sands (aluminum plus zone)

near saddle ck (Lebensbach)
section showing ob/matrix
break

Bore vly ext upward to just
below ob sign (top mbbly m)

7-3-85

24

*MC-55. + RL.

Leave BOG 8:18 AM, stopped
for gas, arrived at Big Dismal
sink 8:54 AM

collected samples, measured sink
depth. ~~had~~ left big-dismal 10:18

arrive Cherokee sink (Wakulla) 10:
10:44 collect sps, leave 11:30

Locate "the spring" 12:12 PM
examine area, collect sps
leave 12:45 PM.

Robert Hill oversees men
for his family.
Return BOG 1:45 PM

25187

① 8-85 - Vermont: E 3d of N
bel. lane I-87 south of St. Albans
approx mile marker 108.8
- photos of recumbent fold
also samples

② New York: U.S. Hwy 4
N & S sides of road cut 4.5 miles
East of Ft. Ann. - photos of
metamorphose

③ : S. bet. lane I-81
1/2 mile N of mile marker 100
(1.2 mile N of exit ⁴³ to Macadoc)
2 samples

④ Pennsylvania: several photos +
samples of faulted syncline
East side of I-81, 6 miles N of
exit 39 to Macadoc
Pennsylvanian age - pass Newell

⑤ - Between Wheelburg &
Mechanicburg - collected sp. of
Agnostus + melchiorite - host rock
prob. part of Gettysburg Fm

① Vermont samples: Cambro-
Ordovician in age from along
the Whitesville-Oak Hill thrust
fault - major N-S trending fault
East sheet thrust up + to west.
As best I can tell - I-89 at St.
Albans is essentially on trace
of thrust. major lithologies
dolomite, quartzite + sh. dolomite
+ dolomite conglomerate - see
Centennial Geologic Map (1961) for
details. Foliation || to bedding
plane for most part (ENR. 6000
up #5 Vt. G.S. (1974))

9-4-85 Elena Recon.

Marshes Island - overwash fans
to both N + south of road + large
erosion of barrier pad,
old concrete slabs uncovered
minor erosion of marsh at
inlet. overwash + trees
down on north side of inlet
photos of overwash fans +
across inlet at overwash fan

Alligator pt. - road washout
at Tom Roberts Dr.

Also houses on beach
photos from W end of campground

Carrabelle beach - stranded
bar appear to be present -
dug trench + photographed internal
bedding. see other straggles of
in front of beach position but
road mat still in place

28

9-10-85 ST George Island
State Park

First Rd

- photo of walking to lookout
east beach use area
with pinnell + new dune
road.

- panoramic shots from top of
lookout E use area

- photos migrating dunes

- photo dead tree sound side

- " washover lake on sd side

- photos - pan to E at E ^{end of} E
area

- pan to west

- photo pk lt E beach use area
(K W)

2 photos remnant dunes + washover
lake E of pk parking lot

3 photos fr. E pt. parking lot -

remnant dunes, washover lake etc

- view toward Gulf from tip of overwash lake

- opposite view to sound

- view along rd to W of E pt pk lt.

- Remnant Dune ~~2.1~~ 1.2 mi W of
Ept. pk. lt.
- slip face bedding same dune
- Eroded dune 2.1 mi W of Ept. pk. lt.
pk jeep for scale
- note dunes east of this pt
completely removed w more small
exc. - extensive overwash

2nd roll - primarily, internal
bedding of dunes, small scale
ripple marks etc. + in
vicinity of park entrance.

Note several survey markers
have been exposed by the breeze
(DNR survey) and now extend
anywhere from ~ 8" to 2' out of
the ground - ck w DT. at
survey + mapping re original
info on these markers.

682-0101 RM562

30

9-30-85

(306 to Lakeland) - p.u. Jim
Cathcart then to Garberville
met w John Paul (head geol.)
collected 3 samples

- good pebble bed overlain by
clay bed + clean sand - looks lk
channel
- pebble

- pebble cong. (packed)
- vesicular sand

Location: D1 ^{SW, SW} 330, T32S, R2SE
29 ft ob, 7 ft. matrix

10-1-85 WRG

Mike Denwe (geologist)
to Hookers Pt - pre-stuffed area
coarse peat gone w better gls
several beds coarse interbedded
with finer material

8-9 ft coarse matrix overlies

8-9 ft fine matrix

~20 ft overburden ~14 ft. pre
stripped

2 photos 1 - pit wall w coarse +
fine beds

2 frags in bkgrd
1 - photo WRG swamp buggy drill rig

10-3

TMC

mt w John Bernoardi +
Doug Hixens

Clear springs - 4.6 ft. ob

S27, T30S, R25E

~~PR~~ PR NO BV.

15-18' matrix

several sequences of fine Pbl
+ thinning upward sequences

in thin clay bds + bituminous

Alcedia litho in pit bottom

some silicification of matrix

5-11 S23-T30R24 & Phosphor

4-5 ft. ob

~ 6 ft. variably vesicular
laminated material

6-8 ft. friable Pbl w

6-7 ft. fine clay of sand

inc carbonate downward

32

LAKE HANCOCK

#1 330° AND 187° — 3.5' H₂O
Loss marker pole in line w
saddle creek

off pt of land sec 6, T29, R25

~~#2 28° to marker pole 2.5 ft H₂O~~
~~sec 5 T29, R25~~
~~342° to marker pole at saddle creek~~

#2 28° to marker pole 2.5 ft H₂O
162° to point of land in
sec 6 T29 R25

#3 120° to H₂O tower 5.5' of H₂O
215° Bent house
hard bottom - sc. clayey sc phos
sand - no core recovery

#4 180° to Bentow Court house 5' H₂O
247° to Bent house

#5 216° Boat house 4' H
 177° Barton Ct. house
 approx 5' soft sed then hard
 bottom.

#6 109° H₂O Tower 6.5' H₂O
 349° Boat house 9.0' hard bot

#7 180° Barton Ct. Hse 4.5' H₂O
 310° Boat house 8.0' hard Btm

#8 136° H₂O Tower 3.5' H₂O
 192° Barton Ct. Hse

#9 185° Barton Ct. Hse 4' H₂O
 292° Highlands city H₂O Tower 8.5' H₂O

#10 184° Barton Ct. Hse 3.5' H₂O
 250° Highlands H₂O tower 7.0' hard B

#11 272° Highlands H₂O Tower 3.5' H₂O
 292° Boat hse 7.0' hard Btm

#12 276° Highland H₂O Tower 3.5' H₂O
 110° Barton Ct. Hse 7.0' hard Btm
 approx

Stage gauge Saddle Creek (S. end) 98.25' (37)

#13 98° H₂O Tower 3.5' H₂O
 322° Boat hse 6.0' hard botm

#14 344° Boat hse 3.0' H₂O
 center of neck of
 saddle ck. 4.0' sand

#15 92° Barton Airport H₂O tower 5.0' H₂O
 335° Boat Hse soft 7' S₂ H₂O hard Btm

#16 99° Barton Airport H₂O tower 3.5' H₂O
 331° Boat hse 7.5' hard botm

#17 101° Barton Airport H₂O tower 3.5' H₂O
 310° Boat hse 7' hard botm

#18 69° Silver^{H₂O} tower n. of Airport 3.5' H₂O
 295° Highlands^{H₂O} tower 7' hard botm

From station 15
 heading to Barton Airport
 tower 92°
 silver tower 71°
 red + white check tower 38°
 Highlands H₂O Tower 303°

#19 108°
 ~~110°~~ Barton Airport H₂O tower 3.5'
 282° Highlands H₂O Tower 4.5'

#20 195° Barton Ct. Hse
 258° Highlands H₂O tower 3.0'
 4.0' h
 br

#21 193° Barton Ct. Hse
 245° Highlands H₂O Tower 3.5'
 3.5' h
 br

Face Broadway across from
 courthouse
 Judicial building

4-7 / 4-11-86

Campbell / Spencer Lake Jackson
examine Patton transects
verify / dispute his findings

38

6-1-84

T5 - NO

At Long Pond - gy? or coral
under constr. ~ 1 mile east
of Hwy

Ci-1 N side of barge canal
at coast - Ingle overlain by ~ 6" sand
T17S, R16E - sec 18 (~) (end of rd.)

Ci-2 1 mile E of end of rd T17S, R16E
sec 17 - Ingle, NO overlying
material

Ci-3 1.5 miles from W end of rd.
at powerlines to C.R. Power plant
Ingle - 1-2 feet of sand overlying

Ci-4 Ingle from water line
to sub surface ~ 8' T17S, R16E
sec 10 2.9 mi E of turn around.
N side of Barge Canal

Ci-5 - at W side of canal on spur
inglis to surface

photos of numerous blooms
1 at S 16 / both

1 on page at 250-500

1 photo cobbly Inglis at CI 5

2 photos soft sed det. of in Inglis
boulders

CI 6 - 200 ft west of Hwy 19
bridge N side of barge canal
4-5' sand overlying Inglis
dolomite at water level.

CI-7 - ~~at~~ edge of boat basin
at Hwy 19 S side of barge
canal - Inglis 8-10' above th
at 3-4 feet above water level
underlain by dolomite - distinct
unconformable contact - photos

~~at 6 miles~~

CI 8 - dolomite cut .5 mi E of
Hwy 19 bridge - photos shown
across cut. 12-15 ft. dolomite
recrystallized grain stone

40
CI-9 S. side of barge canal E most
extent of dolomite in place
~15 ft. sd

2 photos - dolomitized calcarenite
overlying thin bedded + x bedded
dolomite / dolomite

? Inglis ? avon pk ?

6-2-80

Dolomite Pit

several photos of x bedding &
cut & fill stones in wall
blazen for scale

several photos of unconformity
- dolomite below - clay lens (thin)
+ S. interbedding, boulders of Inglis
ls + sd overlying

Along barge canal - Inglis ls
pinches out + 1/2 way between
boat basin at Hwy 19 and the
Dolomite barge cut,

several photos - unconformity
sd w black clayey zone over Inglis
ls over thin clay layers overlying
yellowish orange dolomite

CI-9 CRQ Red Level - active
pit - Active pit in NW corner
AVON PARK ~~overlain~~ by 3-4'
of sd & clayey sand

Also visited "type" Inglis pit
NW of Inglis power plant.
Inglis ls ~~overlain~~ by 2-4' sd.

Inglis ls boulders bulldozed up on
main power plant rd + powerline
and in 19 NW corner of Ind.

CI-10 T18S, R17E sec 4 d.c.
wet pit - Inglis ls forms rim of
pit - little or no sand cover

CI-11 T19S, R17E, S33 A
Qy in NW qtr. - CR. exposed
at surface

CI-12 Ecr ~~overlain~~ by ~2' sd
sec 26 NW, NW, NW, 18S, 17E

CI-13 SAND pit
20S, R18E center of line sec 30
B-10 ft. sd with recrystallized
ls. boulders (float) - Os?

CI-14 LS Qy center sec 36 # T20
R18 highly recrystallized Os
essentially at surface abundant float
rock in vicinity.

HE-1 T21S, R19, sec 6 com NW 1/4
on hgt. area Road #24
Os boulders exposed

CI-15 - T20S, R19E sec 21 com S 1/2
Os - Abandoned qy - two pits

CI-16 sm sink on E side of
94.8 forest rd #13 sec 17
~~E 1/2~~ NW 1/4 SE 1/4 SE 1/4, T20S
R19E Ecr

CI-17 Ecr silicified at top
on both sides of FR 16
T20, R19, S7 on south line in
SE 1/4 of SE 1/4

small ledge in place ~50ft dn hill
fr. rd - loose boulders up hill

6-3-86 TS/KC

CI-18 sand pit ~ 6' deep
w silicified Os boulders on
float T20, R18E, Sec 30 acc

CI-19 spec 4' from crest of
lg "dune" on N side of Hwy 98
~ 100 yd E of powerline

T20S R18 Sec 33

spec for granulometric work

CI-20 old clay pit (Verdon
locality C-96) NW 1/4 sec 25
T20, R19

~ 6 ft. sd / ~ 18' red clay sd /
~ 20' grey var sd / clay / ls in
pit bottom - opaline silicification
(TPA?) (yours "post swanana ls?")

CI-21 ~~T20S, 19E, SE 1/4~~
Sec 12 Hamburg Mine
(Mutual Mine Sec. Area)

~ 15-20' sand then phosphatic
clayey (white) sand - (Hawthorn
also clays - some ^{hard pk} phosphate
along waterline)

44
CI-22 Horder Mine SW 1/4 sec 26
T19, R19, Sec 26 ~ 18-20' + orange
slightly clayey sand

CI-23 Citrus Co. Central Landfill
~ 10-9' unconsolidated sd
- 12-15' red clayey sd
- ~ 6' white clay (variable) sd.
T19 R18 Sec 1 east end
of parcel

CI-24 hard rock phos mine in
NE, SW, SW sec 20, T17, R19
20' + red clay sd

check rock hard photos re "railroad
pond" N of mine in sec 17 of
Hwy 33
3 miles from Hwy 41 Int.

6-4-86

CI-25 150' S of Hwy 200 bridge
at withcoacher river.

T17S, R20, Sec 30 daa
"williston"? to within 1-2 ft of
land surface
some fill is possible at this site
but rock ledges appear in place

CI-25 - Marion Co. side of
Willaker R. N of Hwy 200 bridge
1000 yds - Willaker lithology
" some dark, dense weathering out but
contains willaker litho.

CI-26 small sinkhole on S side
of ~~Pittsford~~ Spooner ~~rd~~ LN. 2 mi
E of Hwy 41 ~ 8' of sd overlying
limestone ledge ~ 2 1/2' high - partial
phosphatized - ls in gty sdg
+ phos sdg under phos gravel.

CI-27 two small pits. E side
of old ~~road~~ ^{road cut} rd, sec 27, TA
R 20. Ecr to ground surface
some hard rock phosphate

CI-28 Old ls. gy, 205, 208
sec 19/24 N 1/4 21C.
Ecr essentially to qd surface

CI-29 - small "sd pit" bd sec 2
T 21S, R 20

Ecr extends to qd surface
in places - 10-15' sd overlying
cr at other pts in pit

46
C-30 T 20S, R 19 sec 36 ccb
small clay pit - 20' + red clay sd.
boulders unweathered ls lying around
but none outcropping
immediately to east of Hwy 581

C-31 Crystal River Quarries Leanto
pit SE corner - Ecr to top
of gy - some small fragments of
Swanton ls lithology present in
clay pockets

C-32 Carroll Leanto Pit
Ecr essentially to qd surface

Pl. lime + Dolomite pit in NE
part of property
"Pleistocene" mark in pockets
24' Inglis ls overlying Eap.
photos of Inglis ls.

W-Ci ~~7778, 7779, 7780~~

Fl. Power Rd. / red level.

14038, ~~14005~~ - 14007 /

14398

10483 - 7408 W + S of C.R.

146710 (8374 N of C.R.)

7771, 7772, 7773 - Ogello

2827, 6313

7775, 7776, 7777 Mondak

~~6313~~

~~740710~~

~~8374~~

~~14038~~

~~14005~~ ~~14007~~

10483

14005 - 14007

14038 14039

14398

W-Ci - 12582 - Inglis #1

12
O-12 limestone ^{even to 1 ft. yellow} coarse foraminiferal calcarenite w mollusc scaphoid + bryozoan fragments - becomes more heavily recrystallized at ~ 4' - coarse nodular fragments at ~ 6' appears micritized below ~ 6' - 12' also pickups of orange iron staining

12-14' missing

14-16' pale yf. brn dol silt, micro + small mass nodules - some calcite filling nodules, moderate induration

16-19 missing

19 - ~ 24' - cuenipo + 1 ft. brn ls. calcarenite (fossils) some brown, poor to moderate induration, micritized becomes finer with depth.

~ 24-29' ls. 1 ft. grayish brownish grey calcarenite - grey color from - recrystallizing ~~thin~~ ^{finely} divided pyrite? MnO₂? foraminiferal calcarenite, thin bedded 1/8-1" in part x bedded, micritized.

29-40.5 per pyrite / MnO₂ but still have thin zones + beds w increased content. fine to coarse calcarenite, parts x bedded, sensibly recrystallized

and micritic thin zone at
base w x bedded coarse biohermal
debris.

40.5-41.5 - cavity

42-47 dolomite grayish brown, mod
ind, micro moldic finely divided
organics + pyrite becomes well
crystallized toward base - small
cavities throughout this section

47-51' : limestone, cream to up
brown, moderate induration Calcareous
w calcilutite matrix, mollusks
moldic fragments in some down,
locally micriticized, peat flecks
and finely divided organics.

51-53 dk brown dolomite highly re-
crystallized, well indurated, moldic
finely divided organics / pyrite
~53.5' darker highly micrit. dolomite
thin peat flecks

53.5-58' mod brown dolomite - shows
micro moldic, pyrite, - cone loss at
base. 4" fragments bored fine gr
thin bedded dolomite well ind, in
mic. l. borings filled w (thin down)

58-~64, mod. brown dolomite
predominantly well indurated and

50
highly micriticized micro moldic
porosity, peat flecks zone 60-
~61' very moldic, less indurated

~63-64' Silver grained, less moldic and
more peat, peat laminae at 64'

64-69.5 ~~dolomite~~ limestone cream to
white, lt grey well to mod indurated
upper part is bored + has not
casts preserved mainly calcite lined
muddy calcarenite to slightly calcarenitic
calcareous (mudstone)

69.5-70.5 Dolomite ^{middle} ~~lower part~~ is
a breccia of dolomite clasts

70.5-75' limestone - mudstone
to washstone

~75' starts being dolomite by 77' dolomite
mod. brown, well ind, well ind, more moldic
- lks lks wex muddy calcarenite, peat
flecks + s.s.

79-82.5 more moldic - originally cleaner
calcarenite - very porous contains
s.s. + blebs of peat.

82.5-88+ 15. - lt grey, cream
mod to well indurated - uppermost pt.
contains not casts, becomes well
indurated peat flecked mudstone
near to mud stone

Fm. Summary

uppermost part is typical Inglis
then grades to more "willistonian"
lith. With exception of dolomite
at 12'-14-16' the rock appears
to have a more typical Eo-
turbine down to ~41' although
much has been micritized & grey
zone contains finely divided organic
pyrites, but little fine matrix material.

Tentative part Inglis is 0-

Eap 41-88' + d.

Below 41' becomes typical lower
part - muddy granular +
dolomitic + fine grained ls.
with peat streaks.

W-CL 7778

5-10' Inglis Ls. cream - lb. pink tinged
finely foraminiferal calcarenite contains
echinoids & echinoid fragments predominantly
ext. same thru 20'
25-30 ft. ls as above also ^{wood} dark brn
grains & abundant gray sd - poss/
prob. cavities or roots fill
30-60' ls as above w variable amt of
gray sd. & fine grained calc. and
sd at 45-60.
60-70' pick up bits dolomitic material.

7779 Ei at 2' appears to be
Ei to fd (50').

7780

0-5' Qtz sd + ~~white~~ brn ls
on dolomite - appears to be Ei
(ltls)

7771

ok cones ci -

w 12362

13863

14671

14885

W-CL 13863

Romp 114

54

no cone 0-29.5'

29.5 - ~38' Dolomite, moderate yellowish
brn. ~~well~~ indurated, porous, highly
crystallized, fine pt. vugs, some burrows
generally fine to v. grained, micro
moldic, some small mollusc molds
coarser cone last foot

~39-44' limestone, cream, lt. y. brn,
well indurated, foraminiferal packstone
forams predominantly 1/2-m sized, lower
part micritized, grains coarse conoidal
+ mudclasts.

44-~49' Dolomite, well indurated,
moderate yellowish brown, porous,
highly altered, highly porous, fine pt
vugs - micro moldic, inter xl porosity,
mollusc molds etc but no recognizable
forams

49-~58' limestone, cream, lt. y. brn,
well indurated, calcite cut, micrite
cut, foraminiferal packstone to
wackestone, 14% porosity
moldic porosity, mollusc molds,
forams, some beds of grainstone?

~58' - ~67' limestone lt. y. br
well indurated, wackestone, ~~foram~~
foraminiferal intra granular + micro mold
porosity, recrystallized, calcitubific, br
~67 - 74.5 Dolomite reddish br,
well indurated, highly recrystallized,
moldic (c. sd sized) apparently
was originally wackestone, some
barrow fill w fine grained organic
or purpides at top, v. f to f
grained, euhedral, high recryst.

becomes less dolomite toward base
74.5 - 79.5 cavity - or no core near
79.5' - ~98' Limestone, lt. y. grey,
foraminiferal coquina (packstone)
micritized, moldic, intra granular + moldic porosity,
and to well ind., generally f grain
~~98' transition to cream color, light br~~

98 - ~115 Dolomite / dolomitic limestone
grading downward to limestone
yl. br to cream, well indurated,
fossiliferous, packstone m - c size
w calcitubific / dolomitic matrix
micro moldic, abundant finely divided
organic fucoids, micritized

Dactylococcus sp below ~105'

56
organic material decomposed below
~105', variably recrystallized (white)
some echinoids.

~115 Limestone wackestone var to
packstone, well indurated white, cream,
intra granular + some moldic porosity,
fossils, echinoids

- then at least 124.5'

W-SM-15942C

T 22S, R 21E, Sec 4 Elev 64'

0-50' NO samples

0-12.3' yellowish brn fine sd.

12.7-22' Brownish orange ss clay sd.

22-30' Grayish y. sdy clay to clay

30-50' v. light brown limestone

Above information from Ardaman + Assoc.
boring log.

Core starts at 50.0' core
quality excellent

Summary:

0-30' surficial sds + clays

30-50' Prop. l. Ocala Gp.

50-115' lower Ocala Gp.

115-300' TD E Avon Park ls.

50 - 55' Limestone, ^{very pale gray} ~~pale yellowish~~ ~~gray~~, moderate induration, calcarenite cement, variable granitonic to packstone grain types skeletal, calcarenite, argillaceous foraminiferal coquina, allochthonous 80 - 95%, partially recrystallized, forams (dwarf lops included), mollusk bryozoan fragments, echinoid fragments, coarse med. to coarse grained, v. fine to granular range. Moldic + intergranular porosity predominant. v. porous some borings. Abundant fine 1/4 - 1/2 mm blebs of gelatinous aggr. interbedded in pore spaces - prob. washed in.

~~Somewhat fine grained and less porous - 55 - 58'.~~

55 - 75' Limestone, white to v. pale orange, packstone to rockstone, poor to moderate induration calcarenite cement ~~fine grained~~ ^{and moldic} intergranular porosity predominantly, fine grained v. - granular range, 60 - 85% allochthonous foraminifera + mollusk fragments - becomes more well indurated below ~ 68' due to recrystallization gray calcite veins. grain size also increases

58
75' - 94' Limestone, white to v. pale orange, moderate to well indurated, calcarenite + calcite cement, calcarenite (packstone) fine to med. grained, variably, recrystallized variably calcarenite grain types skeletal, calcarenite + xl., primarily foraminiferal, bryozoan, echinoid, intergranular + moldic porosity.

94 - 105' as above except less well indurated (primarily poorly) + less moldic, consists almost entirely of forams etc. (two more fossils to speak of. induration increases somewhat downward).

107 - 115' Limestone, very pale orange med to well indurated calcite + calcarenite cement intergranular, intergranular + moldic porosity, many particles etched, abundant gray calcite, some bryozoan rep. by calcite packstone - foraminiferal calcarenite, forams, mollusk gastropods, corals + echinoids, skeletal, etc. and calcarenite grains. variably recrystallized - increasing downward.

B4 114-115' ent almost entirely rexl.
115' base of Eo

115' Top of E ap.

115-120' Limestone, v. pale orange,
packstone to wackestone, poor to
mod. indurated, calcite, calcinitite
cement, variably recrystallized.
skeletal x.c. + Calcinitite grains.
Fossils not readily recognizable.

120-~~124~~ Limestone, yellowish orange
to grayish orange, packstone to
wackestone fine grained, slightly
dolomitic?, Fossils variably rexl.,
gr. types skeletal, calcinitite, none
x.c., mod to well indurated, start
picking up finely divided organic
matter at ~ 121'. Brown, rather
inter, intra + imprt. porosity, organic
material waxes down some
bunches

§ 124 start fine laminae of organic
matter as well as blebs. - some
& bedding or ripple marks made visible
by organic layers.

60
Romp CL-3 (Pork Co)

0-126.5' cuttings only

0-91.5' Quartz sands, gen.
clean, trace heavy min, trace
mica, & unconsolidated.

91.5-106.5' dk olive green clay.
gtz silty, sl. micaceous

106.5-116.5' med-cr. gtz sd.
trace phos, some v. coarse
grains, some clay on above.

116.5-121.5' coarse to v coarse
gtz sd., abund. phos sd (v crs)
pieces of dolomite cement.

121.5'-126.5' as above but with
dolomite (slt.) matrix - top of
Arcadia prob in this int.

top of cone at 129.5'

121.5' ± - 223' Arcadia Fm. undif.
Dolomite, phosphatic, modic

223-227' Nocatee Mbr.

~227-256 Os - grayish brown.
ls., bio calcarenite, variably
rexl., modic porosity, somewhat
5' fine grained + much less porous.
calcite int.

256' - 439.5' TD Ecr - pale
 yellow brown, oolitic, brachio-
 porous to mod ind., some moldic
 porosity, primarily intergranular
 some fossil molds, common lepr-
 opores + more jagged float
 in matrix. Below ~ 360'
 forams component increases - be-
 comes lepr / opore hash - recrystallized.

7-29-86 SS, TS, RL, FR + K

to Wakulla Co - visit Tuff Park
sand + limestone pit. 512aa T/S Rm

Reference: Banks + Hunter, 1973, ^{GCAGS Trans.} V 23.

buff, lt tan to red surficial
sands + clay sds overlying
a thin (4") remnant of Jackson
Bluff (and. to Banks + Hunter's)
then overlying Torreya (pinnacles)
overlying St. Marks
~ 21' from river to water level
pinnacles of Torreya extend to
~ 2-4' from ground surface

Torreya 15-18' thick

upper part gtz sdg (m-c) calcarenitic
calcareous in former + mollusks
molds - some iron staining
mod. ind.

mollusks become more common
below approximately 4 feet, but much
former carbonate leached out
lowest 3-4 feet a mollusk
(puffin) + oyster bed

- unconformable contact w st
marks - large area w hard
rock borings on upper surface
of St. Marks - St. Marks

form 94 floor at ~ water level

66
Sumter Co - Green Swamp
cores

15616

15617

15618

15621

15624

15625

15619

15620

15622

15623

} 15616 -
15623

W-SM 15616 - USGS core
SM-7604 *circled*

0 - ~2.5' - Qtz sand - soil comp.
at top, fine to med gr.
mod' brown color, organic carb
& poorly ind., many roots +
rootlets, veg. debris at top.
grades downward to lt. grey,
qtz sand due to decrease in
organic matrix

~2.5 - 6' : clayey quartz sand,
mod. ind., clay cont., variegated,
black red, orange, grey, olive, dk +
lt. grey, clay cont. ~30%, some
small shales + blks appear to be
Charcoal. 1-2% dark phosphate?
greiner heavy min

~6'-18' clayey qtz sand, pale brownish gy, ^{poor} ind. clay content 15-25% ~~more subtle variation~~ ~~but much less distinct~~ Above some limonite stained streaks + darker blebs of clay. color grades downward to ~~greyish~~ brown. clay content decreases slightly w depth. some color banding (bedding?) in lowermost 2 feet. trace heavy min or phos grains.

~18'-25.1' very qtz sdy clay or very clay sd., pale creamy grey w brownish grey streaks, clay content ~50%, micaceous ~1-2% + fine black specks - trace - org? lim? contains occasional blebs of White clay (phos?) - not calcareous.

25.1'-32.5' Qtz sandy clay, rubbly, ~~contains~~ creamy white to bluish gy + greyish brown. moderate ind. clay cont., contains cobbles + pebbles of chert (fossiliferous (fossil) granitoid to peckstone ~~litho~~? (litho) + more abundant ^{white} ~~chert~~ w depth. ^{fr. chert}

68
18' micaceous, several thin beds striped ^{for} (encountered (on cobbles drilled thru))
~32.5'-35.1' Limestone (calc. litte). creamy white, poor induration (was poured into cone box). chalky, occasional lepidocyclina sp. TD is for

W SM 15617 USGS core SM 7611

0-3' Quartz sand ¹⁺⁴ dk grey to pale brown, unconsolidated medium grained in upper part, becomes finer with depth. organic content in upper part decreases w depth.

3-14.8 Qtz sand, clayey, med induration clay cont. 14% to mod. brown w ochre + dk brown streaks contains ~~ph~~ ~1% phos sd. clay 90 ~30% at top decreases below ~8' to perhaps ⁵⁻¹⁰ to qtz grains 5 rounded to rounded

14.8-21-24 (est. - no depth marker) Qtz sand, clayey, med greyish brown. med gr. 1 SR. some color banding

bedding visible, from to 2-3%

heavy minerals

~24-30? Clay, qtz sdy, micaceous
slightly calcareous, contains blebs
white clay-fingert-sized chert, creamy brown
to white

~30-32.5' ~~clay~~ : Qtz sand to clay qtz
sand pale gl. brown. contains barbs
greenish gy. clay.

~~TD in ss + clay~~
~~32.5-33.5'~~

32.5-33.5' Chert, weathered, chalky
white to grayish, well indurated
siliceous chert, silicified Ecr

~33.5-42' sdy clay + clay sand. mod
brown, greenish gray, poor to mod
ind., some barbs dk ol. gr. clay,
some thin stringers clear sugar
sand (F-m. grained fr. brown)

~42-45' - sdy clay, lt ol. green,
brownish gr., sd 25-40%.

~45-47' ~~clay~~ Qtz sd, med gr.
mod brown. clayey, clay cont., poor
ind.

47-51 Clay, dk ol. green to pale brown,
qtz sdy contains blebs white clay
or fingert-sized chert.

~51'-54' TD Quartz sand, dk
brown to mod brown, clayey, some
organic clay (black)

TD in ss + clay

10-15618 USGS CORE SM 7613

0-2' Qtz sd, dk gray to lt gray
Abundant organics in uppermost
part, decreasing downward, fine grained
UF-C range, unconsolidated.

~2-~2.5' Qtz sd, dk brown, gray, fine
to med. grained, poor induration
clay + organic cement.

~2.5-4' Qtz sd as above int., poor
induration dk orange-brown
then pale brown, slightly clayey

~4-12.8' clayey quartz sand,
brown to gl. gray to orange-brown.
poor induration, clay cement. trace
heavy minerals or phos grains

12.8-13.8' - clay, qtz sdy lt gray to
mod grayish brown, contains abundant
fragments weathered chert.

~ 13.8 - 16.5' Chert, earthy grayish
white, cobbles + pebbles, not
a discrete bed, - weathered
porous, clay sd. nodules, fossil
moldic - forams, molluscs ~~echinoids~~
bryozoans - *Lepidocyclus* barely
recognizable - apparently originally
Ecr but all ~~is~~ molds now

~ 16.5 - 18.5 Quartz sand, clayey,
lt. gray to yll. brown, tr. phos or
Hm., mod ind, clay cont.

18.5 - 20' Chert, lt. to mod
gray, well indurated silica cont.,
much ~~more~~ weathered than chert
above, forams etc are badly
etched but etched remnants
remain (etched fossils are now
silicified) - molluscs forams,
echinoids + bryozoans identifiable

20 - 20.5' clay sd., mod brown,
~~mod~~ poor ind., clay cont
slightly micaceous

poss top Ecr at 18.5'

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W-5M 15619 USGS core SM-7615

0 - 1' ss - unconsolidated, dk to
pale gray, - soil temp.

2 - 5.5' variegated clayey sand,
lt. creamy gray to orange to brick red,
poor induration, clay cont ~ 25-30%
streaked and mottled, becomes
lighter in color with depth, gradational
contact with unit below.

~ 5.5' - 9' Quartz sand, lt. yll.
gray with oxidized streaks in
upper part, decreasing downward, med gr
clayey clay cont. 10-20%, poor ind.,
trace heavy min or phos grav.
gradational contact

~ 9' - 20' Qtz sand creamy brownish
gray to lt yellowish gray, poor ind
clay cont. 10-30%, fine to med
grained, trace phos. sd. lower
most several inches contain
granule to pbl sized fragments of
~~silicified~~ weathered chert and ls.

20 - 22.5' - washout no spec

22.5' - 32.5' limestone: creamy
white to lt. gray, ^{mod to} poor ind.,
calcilutite cont., uppermost 1 ft.

contains clay blebs (as imp.?)
fossiliferous - molluscs, forams -
lept., opus, quing etc. some zones
textured, mostly packstone
becomes finer with depth

~~TD~~ Ecr 22.5 - 32.5 ~~TD~~

W-15620 USGS core SM 7617

0-1 ss. - soil.

1-~17' brn + gy brn sl. clay sdx

17-26' clay sdx ^{very grey} clay sdx
poor ind. clay cont.

~26-34' clay w abd. weathered chert
fragments gravel to cobble sized

34-46' Ecr limestone, cream white,
poor ind, calcilutite cont,
packstone to wackestone

W-15621 USGS core SM 7621

0-68.2' surficial sdx +
clay

74

W-15625 USGS core SM 7625

0-28' ss and clay. some
cobbles Ecr chert at ~24'.

28-31.5' no recovery - prob.

top of Ecr

31.5'-39.5' Ecr limestone.

Ecr chert as upmost few inches
distinct weathering ind on one side
than com. gr ls., poor ind,
calcilutite cont. fossiliferous.

TD in Ecr

W-15624 USGS core SM 7624

0-~50' surficial sdx +

clayey sand

sl. clay sdx w some clear sd stringers
to ~30' then dk brn to black
more clayey sds are stringers
+ blebs of H sl. gy. clay, streaks of
black organic clay in lower part, sl.
micaceous.

~50-52.5' limestone, lt. tan. grey,
cream grey, poor ind calcilutite cont,
packstone to wackestone, fossilif.,
molluscs forams, lepta. Ecr.

15623 USGS core sm 7630

0-2.5' ss

2.5-7.5 brn clay sd

7.5-13.0 brn. to yli brn + gray brn
clay sd., some organic streaks,
abundant granis & granules, pebbles
& cobbles of v. weathered chert.

~130 - 15.5' ls - Ecr

15.5-17.5 - no recovery - cavity?

~17.5 to ~19.0 dk brn. gty sd. clayey,
poor ind, clay cut, black streaked,
some peaty saws, lower part contains
abd granules sized ls. frags.

postulate cavity fr. ~15.5 - ~19.0'

19-21' TD - limestone Ecr, even wld
to gray, well to poorly ind. - ind
dec downwards, prod. weathering
to pkstone.

Top Ecr ~13'

15622 USGS core sm 7625

ss + clayey sds 0-24.5'

no spc 24.5-33'

33-38' limestone Ecr

erm white, poor ind, calc. lute
cut, pkstone to wk stone,

USGS
76
shaly
Florida
07

sm. co. walls to look at

15623	7982
251	7911
334	8010
736	8195
737	8222
1650 Dadded	8255
1721	8379
1735	8382
1736	8878
1737	8881
2539	10465
2688	631
4879	720
5349	901
6390	11262
6396	335
6475	422 days inn
6540	453
6541	471
6551	502
6590	564
7311	565
7782	606
7802	640

1/4 deep
section

11650

659

660

761 → 11662

783

817

933

950

12 057

179

180

879

880

13155

tops

173

tops

~~349~~~~tops~~~~350~~~~tops~~~~14006~~

get ch. tops

~~066~~

15866

15830

} together

tops

palm Beach

78

W-31-231

0-12' : Qty sd, white, unconsolidated
fine grained, 15-c range, angular to
subangular, contains ~20% weathered
shell fragments 2-4mm fr. heavy min.

12-22' : Qty sd, white, unconsolidated
fine grained, 15-c to med. range, subangular
to angular, ~10% shell + shell fragments
1/2-1mm, much still in original place,
1-2% fine grained to v.f. grain
black grains - no knots - poss
organics

22-34' : Quartz, sand, pale grayish
brown, unconsolidated, fine grained
15-c to m. range, subangular,
cont ~25-30% shell material,
most 1-4mm. in original place,
some obviously etched + reworked,
trace lim. molluscs + gastropods
primarily, etched material ~~cont.~~
~~for light tops etc~~

34-41' TD : Quartz, sand, med.
induration, calcite cont. dk gray
in color, f-med grained, f.c.
range, 15-c - SR, ~1% red sized
plus grains blk-brown, ~5% sparse
calcite

TD in 55

T185, R23E, S20 ca

W-SM-251 (unwashed sps)

70-12' : Quartz sand, yellowish brown, mod. ind, clay cont, med. gr, F-V range, s rounded, fa. heavy min.

22-23' : as above but is somewhat better induration, abundant VF to sub sized black specks - prob sulfide

24-25' clay, mod to dk yellowish brown, ^{mod ind} quartz, sandy as above

28-29' Clay, pale to dk yellowish brn, poor to mod. ind, clay, cont, laminated contains abd grains of earthy white clay (sd sized), blebs of organic rich material, trace heavy mineral grains.

29-30' - V

35-36' - ^{dolomite, hand made plss} clay, pale yellowish brown, to pale greenish brown, poor to mod induration, abundantly quartz, sandy, contains ~ 5% white to redish orange dolomite or phosphate grains + cement (V slightly effervescent in 25%),

46-47' : Limestone, cream to white, poor to mod. induration, calcareous cement, wackestone, ^{to mudstone} grain types

80

calcareous, pore sketched, forams 65' - Limestone, poor ind, calcilitite + sparry calcite cont, wackestone, calcilitite, skeletal + sparry grains foraminifera most common recognizable fossil - some red echinoid fragments.

lepis + opus. some gty sd etc or corals

75' Limestone, white, poor ind, calcilitite cont, mudstone to wackestone, some sparry calcite, forams only, mod. fossil

85' TD - Limestone, cream to white, poor ind, calcilitite cont, ~~wackestone~~ to packstone, minor sparry calcite, foraminifera most common - lepis, opus, pyrina globula, actinoid frag.

46' to top 85' in Ecr

W-SM-334 T185, R23E S17 6a

5-10' Quartz sand, fine grained, yellowish brown, s.d. to coarse med, poor induration clay cont ~ 20%, SA-SR, some fragments w white clay cont.

10-14' V

14-16' V

16-20 Clay, pale greenish gray + brn gray, poor ind, clay cont, brownish orange streaking

and mottling, greenish clay in rel.
pore. ~ 25% sand as above
20-25' Clay, pale olive green +
greenish gy., poor to mod
ind, clay cut, slightly quartz sdy,
some organic rich blebs, trace
heavy minerals

25-30' clay, as above but w/
color pred. orangey brn. - oxidized
streaks, quartz sdy.

30-33, Clay, pale olive green, +
yellowish brn, poor ind, clay
cut, qtz sdy to v qtz sdy,
~~some~~ trace cream to white phos
grains (polished) + earthy white
clay grains (phos?)

33-34' Quartz, sand, pale to mod
brown, poor ind, clay cut, f-m
grained vs - c range, SR - SA,
contains ~ 5% ^{white to} red sized phos
grains - cream to pink + lt. brn.
~~some~~ ~ 5% gently white to cream
weathered phos. grains.

35-45' Hard rock phosphate, cream to
mod brn + ylt. brown, well ind,
phosphate cut, variably ^{5-10%} quartz
sandy, no fossil media porosity

50-70' Limestone, white, cream
poor ind, calcilutite cut, peckstone,
calcilutite, skeletal + spongy grains,
fossil grains primarily 1/2 frame
1/2 - 4 mm lops green + gypsum
75-80' TD - limestone, white cream,
poor ind, calcilutite cut, wackestone,
calcilutite + foam skeletal grains
50-80' TD ECR

W-SM-936 (unwashed sp(s))

0-5' Qtz sdy, white, clean, unconsol.,
f. gr. vs - m nge, SA - SR, fn. heavy
min

5-10' Qtz sdy, pale gy brn, poor
ind, clay cut, trace heavy min
f-m gr., vs - c nge, SR - SA, fn. brn.

12-13' Limestone - cream to v sl. brownish
cream, poor ind, calcilutite cut, wackestone
calcilutite, peloid grains, sl. qtz
sdy, fn. heavy min.

13-15' ~~clay~~ ^{sdy}, vlt. brn, & poor ind, clay
cut, non calcareous, ~~quartz sdy~~
to ~~qtz sdy~~ clayey to v clay, med
gr. vs - c nge, ar., fn. heavy min.

15-20 V exx sl. lean clay, +
lt. brn.

20-25 V

25-30 V

30-35' sd. qtz, lt. y. brn., poor
ind, clay cnt. f-m. m. med, vt-c
reg, SR-SA, ~15% clay, ~5%
white chert fragments

35-40' Qtz sd, lt. brn., poor ind,
clay cnt, fine to med gr, vt-c reg.
SA-SR, fn. heavy min, trace
phos gr, ~5% wht. chert or
phos clay.

40-45' Clay, lt. greenish grey, lt. silic^{med}
poor ind, clay cnt, var gty sd,
fn. phos sd, trace heavy min v.8.
grained. some y/or oxidation

45-50 V

50-55' as above but increased
phos grains - 2-4% + abundant
nd sized white (phos?) clay grain.

55-60 as above by w zones
of clay sd w phos + chert frag.

60-65' sd. gty, poor ind, clay
cnt, calcareous, ~~some~~ 25%
dolomitic or phosphatic, trace
phos grains, ~1-2% clay

chert

65-70' chert, cream white to brownish
grey, well indurated, silica cnt,
some dolomitic matrix, ~1% shell
fragments + lg forams.

70-75' same chert as above.

~40% limestone fragments, lepidocyclus
+ opus, mollusc + bryozoa,
fossils pred. etched frag.

75-80' Chert, dk grey, congl, porous
~25% ls fragments - Ecr like,
~2% dolomitic/calcareous matrix

80-85' Limestone, pale y. brn., poor to
ind calcareous + calcite cnt. very
next - muddy - some etched molluscs
leps, opus, mollusc frag., ~40%
chert.

85-90' ls as above but only 15-20%
chert

90-95' Limestone, cream, poor to med
ind, calcareous cnt. relictized,
pale orig. p. wackestone, opus, lep.
next. echinoid frags.

95-105' ls cream, poor ind, calcareous
cnt, wackestone to pk stone,
calcareous, skel. + pel. grains.
little or no next.

Ecr 80' to 150'

W-SM-737

0-30' 14. br. sl. ch. sd. poor ind
30-45' ch. - 14. br. to 14 greenish
gy. var. gty sd. sl. plus sdy
45-50' ch. yl. br., poor ind, ch. cnt,
gty sdy, plus sdy, or fr. white
plus? ch. cnt. grains. 1-2% dk chert
frag.

50-53' Qtz sd. w abd chert frags
some ch. grains - poss/pale mostly
cavings or int fill

53-57' TD chert. coal to 14 gray,
TD in ss + ch

OR

W-SM-1662

orange up
225, 296

0-10' sd - 8 gr, chert, w finely divided
organics

10-20 Qtz sd, med gr, f-c Rg, 5-7%
c plus sd.

20-40' f. gr. gty sd. med br, poor
ind ch. cnt.

40-45' med gty sd. ~5% plus sdy

45-50' ls, dolomitic, pale
gray, microxl. to 1/4", ~15-20%

Qtz sd, 15% plus sd.

50-60' Qtz sd, med gy br,
fine gr. poor ind, ch. cnt,

86

fr mica, 2-3% plus sd.

60-110' Qtz sd, f. gr. poor ind,
ch. cnt, calcareous, plus sdy
2-5%, 1-2% shell frag.

120-140 Dolomite, dolomit to microxl.
plus sdy 3-5% minor chert

140-150 dolomite + phosphorite -
poss broken up hardground, plus
sdy, chert frags

these spls may be bad

W-SM-2539

T 20S, R 23E, S 11 Cad
90' elev

0-150' ss

ok

W-SM-2688

0-15' NO spls

15-20 Qtz sd, Dk yl. gr. (poor%)
poor ind ch. cnt, 10-15%
F-m Rgc, SA-SR, fr. heavy
minerals, ~5% white phosphatic
clay, 2% cemented plus sdy gty sd.

20-25': Qtz sd or above, phos
 cly cemented sd increases to ~20%
 phos cont. particles mod ind.
 leached entire to white phos
 grains

25-30' sd or above, phos component
 inc to ~25%, ~1% chert.

30': Qtz sand and limestone fragments
 ls is white, xth.

32': Limestone, white - v pale or
 mod ind, peckstone to wackestone
 skeletal + calcilitite grains.

some fragment of F-m or calcarenite
 lops

32-40' ls, cream, wackestone,
 lg *Epiphyron*, + calcilitite +
 skeletal - occasional phosphate
 grains

40-60' Limestone, clayey, litho
 prdon. Ecr, but clay + phos grains
 indicate ^{prob} reworking or cavity fill.

60-105' TD Ecr -

Summary

0-15 NO SPL

15-30' dk yl or cly sd w
 phos grains + phos clay blebs

30-60 - LS, prdon. Ecr litho
 cly, phos grains - prob. reworked

60-105' TD Ecr

88

10631

11046

10981

10466

11950

13155

6390-6396

12880

7782

8010

8382

8381

10720

11817

13173

6551

6475

11453

7882

11602

11788

14065

6590

11933

1736

~~1721~~

1721

W-SM-5349 T20S, R23E, S25
 poor spc internal - only 3
 spcs in upper 100' - spc at 25'
 should prob be 325 - matches
 lith (Eap dolomite) at flat
 level - lks like 3 on table
 was smudged out

W-SM-1736 T19S, R23E, Sec 24 6d

0-30' Qtz sd. lt. brn, poor ind
 clay cont - white to brown clay,
 med-c grained. Sim to granule
 sized. trace heavy min 5-10
 % clay
 30-40' or above by pinkish cast
 to clay
 40-50' or above but brownish cast
 50-60' Qtz sd. white, clean,
 poor ind clay cont < 1%, trace
 mica fine lms, c gv, S to
 L size, R-SR,
 sd approx as above to 110'
 110-120' S or above but ~ 5%
 clay - lt. gray

120-130 ^{clay} sds or above
 130-150 Qtz sd w calcareous
 clay / calcitic matrix
 160-170 - Reconstituted ls. - gtz sds
 micritic, ~~fine~~ clayey, some zones
 gtz sd - fine pyrite, organic
 180 - LS. - Eap lith - still some
 gtz sd

55 0-130' Qtz sands, poor induration
 clay cont m-c gv w dc + granule
 sized gty.
 130-160 Qtz sds w calcitic matrix
 160-180' "reconstituted" ls. Eap lith
 components w above, coarse gtz
 sd.
 180-220' TD Eap.

SM
 W-1735 T19S, R23E S5 6b
 0-60' Quartz, sand, grayish orange,
 poor ind, clay cont, clay brn, white
 to red, white clays med ind, plus silt.
 In heavy minerals.
 60-150' limestone, cream, poor
 induration, calcitic cont, calcitic,
 skeletal and peloidal particles,

peckstone to wackestone.

W-SM - 4879 T19S, R22E, S5 da
0-5 NOSM

0-15' Qtz sd, grayish orange to
dk grayish orange, poor induration
clay cement 1-5% some red ind.
aggregated grains w iron cement.

15-20' Clay, lt brownish gray, abund.
quartz sandy, some yl or + red or
oxidation.

20-25' Clay, lt. brownish gray,
abundant leached platy grains
and chert.

25-30' clay, lt. yl. brown, poor ind,
calcareous, ~30% chert.

35 - Top Ecr - limestone, white
very light gray, mod induration,
calcite cement, calcitoid, stel
and calcite grains. peckstone
lepa, oper, mollusc frags,
bryozoans, trace green
calcite, some conifer.
generally recrystallized.

45-55' some iron staining and
cavings - phos sd, gtz sd, + chert.

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(or poss cavity filled), becomes more
highly red. w depth.
becomes more "willistonish"
with depth - peckstone but
can't feel any matrix due to
red.

tentative Ecr 35-105' TD

W-SM - 6393 T21S, R22E, S16 ab

0-20' Qtz sd, buff clay matrix
~5%

20 - Top Ecr

Ecr 20-90' TD

Abundant sd. Cavings

0-20' 45%
20-90' 40%
CLRV

W-SM - 6392

0 - ~15' Qtz sd - sl. clay
~15' start picking up Ecr
little in 10-20' spl.
30-40' spl is good Ecr

0-15' UDSC

CLRV

0-15' internal
possible
"cymonoid"?

W-SM-6475

pub
bch
0-40' - Qtz sd, very pale
orange to grayish orange, ^{to rock} uncon.
clay matrix.

40-210' ^{TD} Ecr, limestone and
dolomitic limestone, mostly
highly recrystallized

W-SM-6540 T 215, R 21E, S 33N

~~0-5' Qtz sd, uncons, dk brownish
gg, fine gr. JE-M Rgr,~~

~~organic matrix ~ 3%~~

~~5-30' Qtz sd, yellowish gg, post
int, clay cont, below to contact
abundant 15-40% weathered
and etched forams (Ecr litho)
25-30' int. is ~ 60% Ecr forams
but still contains clay sd litho.~~

94

9-16/9-19-86 Ledyette Co.
geologic map proj. J.L. + KMC
DNR-1840

photo record

L-2 Mill Creek

L-3 Dowling Park Qy

L-9 Blue ~~ick~~ Springs

L-11 - Dell Qy - owned by

OTTIS Murray - inactive ERC
for north side (nearest 27)

which is utilized by county
(O.M. is Kerwin Bell's (U.F.
quarterback) grandfather
location for dell Qy in SP5
and B 38 is wrong.

deer pen

rattlesnake nest

L-31 - closeup of Ecr w/ lg. kps

W-SM-6540 T21S, R21E, S 33db

0'-10' ss + clay sd

10-35' Ecr

35-90' E. lo

90-120' TRANS. monoc. - hly repl.
could be either E. lo or Eap.
get faint color chg. + increase
in fines in cuttings but
so not cert. tell if drilling artifact
or due to dep./diagenesis

tent.
Eap.

120-365' TD Eap. 120' - 1st
distinctive Eap litho, 1st cones
better induration + inc in
organics.

W-SM-14065 T19S, R22E S 36

Ecr present in 0-10' spec
Abundant sand cavings in
spec below, TD in lower
area

bad samples

W-SM-14066

bad samples - spec do
not match all log on
"field expectations" - Ecr present
in uppermost spec. - get 9/13 sd

w clay matrix + sparse phos grains
below 80' - evidently, some logs
are mis labeled.

W-SM 13350 T1B, R23, S 1B666

0-30' ^{ADSC} ~~ss + clay sd~~ (reworked
PLCN "Cypresshead")
30-100' TD Ecr

W-SM 13349 T20S, R22E, S 24

0-50' ~~ss + clay sd~~

50-100 lower DEAN

100-180' TD Eap

elev ~ 80'

20-50' int. poss "Cypresshead" sm

W-SM-13173 T20S, R22E, S 4

0-~15' ss + clay sd

~15-~45 Ecr

~45-170' TD Eap

W-SM-13155 - 2 miles S of
CENTER HILL

0 - ~15 to 20' ss + clay sd
~15-20 to 155 Ocala Gp.
Tentative Ecr 15-60'
Ewlg 60-155'
Ecr 155-255' TD

W-SM-10631 T215, R22E, S133
only 7 sps 0-30'
0-30' (sp 1) gtz sd, some iron
stained, some w grey clay matrix
also scattered fragments of limestone
30-45' (sp 2) - gtz sd.
45-58' (sp 3) Gtz sd w white clay
matrix
58-84' (sp 4) Quartz sand with
~30% limestone fragments -
white, micritic fossiliferous -
leps, opers etc. - Ecr
84-90' (sp 5) Ecr limestone, recrystallized
leps faces, echinoderm frags. some miliolids
calcareous - app. 50% gtz sd.
Cavities?

98
90-118' - limestone - ~70% sd cavities.
118-130' TD limestone, micritic, with
calcareous. ~60% sd cavities.
- poor sps and intervals.

~~W-SM-10466 - NO sps above 168'~~
~~NO sps above 168'~~

W-SM-10901 T225, R22E, S1 ad
0-60' ^{ss} ss + clay sd > prob. marked pdr
^{ss} 60-66' Ecr
66-85' TD NO sps - cavity
acc'd to di. log.

W-SM-11662 T215, R22E, S4
0-20' ~~ss + clay sd~~ PLCN (expressed)
20-50' Mh. undif.
50-120' Ecr
120-150' TD Ew

W-SM-7882 T205, R22E, S15 ea
0-10' WDSC 0-30' ~~ss + clay sd~~
10-30' Pch 30-60' TD Ecr?

W-SM-7782 T21S, R22E, S706

0-15' ss

15-80' TD Ecr

W-SM 11817 T22S, R21E, S12

0-5' ss + clay

5-~60 Ecr - graded

~60-95 Ew

95-130 Ei

130-160' TD Eap

W-SM 10466 T22S, R23E, S60

NO sps above 168'

First sample is AVON PARK

W-SM 11950 T21S, R23E, S21

0-20' ~~ss~~ sdy clay

20-110' TD Ecr

Wsm 13155 S24? T21S, R23E

location questionable

0-15 ss and clay sd

15-60 Ecr

60-155 lower Ocala

155-255' ~~ss~~ TD Avon Park

11-3-86

KC-JL - Swanton R. Co mapping
plus 2
5 photos at boat ramp + dry run
in Swanton R. 86. pk

B3- boat ramp Hamilton Co. S of Hwy 249
- Os w alt E. gash - coral in
being pebbled

S-15 contact Os and Mh

- undulating Os top

~12' sd? (covered)

A 3' ledge clay sd - lumpy? - phosphatic
over: 15' sl clay plus sd

B graded downward to shell

C clay sd - plus

D undulating Os top - some hard
rock boulders in upper surface
~3' Os to water level

- plus photos

S-25 x bedded zone in Os

Also views upstream - spring boil

S-29 echinoid hash -

S-39 character spring - Ecr ls. bridge

Tom Morris - Lawrence Spgs.
984 - 373 - 0741
Lawrenceville

W-SM 10331

S7 ab6, T20S, R22E

0-65' Ecr

65-~125' lower Ocala Gp

65-105' EW

105-125' Ei

125-220' Eap 10g ends

at 210' prob Eap then to 565'

W-SM 11788 S2, T20S, R22E

0-40' ss + clay

40-80' Ecr

80' in last spl

W-SM 8878 T19S, R23E S16C2

0-5' ss + clay sd

05-40' Mh. - upper part weathered

40-100' TD Ecr

W-SM 11646 T21S, R22E, S36

0-130' 20 ss + clay sd

~~130-70~~ 20-70 Pch
70-130 WSS Ew 130-150?

Eap. ~~EE~~ ?150-180'

W-SM 8381 S9 dc, T22S, R21E

0-20' ss + clay

20-50' Ecr

50-100' EW

?100-120' Ei

fragments of Eap. lith in
110-120' spl - incorporated into
basal Ei? top of Eap?

W-SM 8382 S9 bc T22S, R21E

0-30' ss + ~~clay~~ sd clay w

lacked phot + weathered Ecr frag.

30-40' Ecr

40-100' EW

100-120' Ei

120-135' TD Eap.

W-SM 10720 S 11, T 22S, R 21E

0-60' ss+ sdy ch

60-130' E/o

130-220' TD Eop.

W-SM 11422 S 34, T 18S, R 22E

poor
sp. in
upper
pt.
< 0-50' weathered ECR, wbd
gtz sd + lt. grey clay.

50-80' E/o

80-200' TD Eop

W-SM 15866 S 15, T 21S, R 22E

0-30' ss+clgy sd

30-70' ECR

70-130 E/o

130 - Eop.

Sm Co Proj.
check well #5

~~1721~~

~~2537~~

~~2688~~

~~6541~~

~~6551~~

~~6590~~

~~11606~~

~~11622~~

~~11659~~

11262

11453

115654

111606

11650

111659

11933

~~12180~~

13138

add 12485

11-26-86 W h s c

104

W-SM - 1721

NO samples above 180' - top sample
is in Avon Park Fm.

W SM 2539

0-~~115~~¹¹⁵ - surficial sands and
clayey sands

175-195 ss with abundant ls fragments
(~40%) Eop

195 Eop to bottom

- sps are predominantly gtz sd to
fd - either extremely bad cavings
or v. deep sink.

W-SM - 2688

15-20 cly gtz sd, pale yl. to dk yl. or
~10% leached gtz sdy phos grains

20-25 clayey gtz sd, mod yl. or,
cly cement, poor ind, ~10-15%

gtz sdy phos sd + gravel

25-30' cly gtz sd, pale yl. or, mod
ind, cly cement, abd. phosphatized

limestone frag. primarily leached
32' highly red ECR, 13 dips

32-65 ECR

65-105' TD E/o

W-SM 6541

~~PLCN (apparent)~~

~~0-25' ss+clay sd with 10-15% silicified~~

~~0-25' UDSC~~

25-35 Ecr ls

35-100' EW

100-115 Ei

115- Eap.

10622 - could not find any spurs
above 409'

6551 0-5 UDSC

5-15' ss+clay sd **PLCN**

15-55' limestone EW to td.

calcareous - peckstone, no

diagnostic fossils - no lg. forams

primarily miliolids, abd. cavities.

6590

**PLCN
apparent**

0-15' Qty sd, clay, lt y/or, some bryoidal silica, some leached
phos grains.

15-85 Ecr

85-130 El

130-150' TD Eap

7963

0-10' Qty sd, clay, mod y/or, orange,
poor ind, mod. organics ~ 20% ls. frag.
10-16' or shale but w greatly inc
limestone component
16-19.3' El ls.

10937

0-30' ss+clay sd with ~ 20-30%
Ecr limestone fragments

30-50 Ecr ?

50-125 El

poor spurs upper
30 ft.

~125-250' TD EAP

12180

0-10' ss+clay sd

10-80' Ecr

80-130 El

130-200' TD Eap

15621 C

0-68' TD ss+clay sd.
Sinkhole ?

W-Sm 11564

0-10' ss + clay sd - some of clay
is brick red - poss Pch?
10-20' Mh. clayey phosphatic sand
20-60' Ecr
60-100 EW
100-120 Ei
120-163' TD Eap.

✓ 10465 0-120' ss + clay - lks
like sinkhole fill.
120-160 E/c
160-409' TD Eap.
This well prob the upper
part of w 10622

11453 0-10 UDSC

10-20' ~~ss + clay sd~~ Pch
20-60 EW
60-100' TD Ei

11565

sampler bad - mislabeled
etc.

11606

0-25 ss + clay sd ~~sd~~
25-50 Ecr
50-100 E/c
100-400' TD Eap.

11650

0-30 ~~ss + clay~~ Pch
30-80 Ew
80-100 Ei
100-400' TD Eap

11659

0-10 ~~ss + clay~~ Pch
10-60 E/c
60-150' TD Eap

11933

0-40 ss + clay sd - ~~sd~~ Pch
40-80? Ecr
?80-100 E/c
100-224' TD Eap.

✓ 4987 T22, R24E, S33cab
W-LK - ~~7746~~
0 - 61' UDSC 27-54' poss "Pch"
61 - 83 Ecr
83 - 160' TD E1/6

comp. sheet
W-LK 6108 500ft TD
0-5 UDSC T21S, R24E, S2
5-45 "Pch" 28°41'15"
45-65 UDSC 81°52'56"
65-130 dk gy clay + gty sdy clay
130-170 + creamy micrite gum + gumish g.c.
170-240 Mh. ls + dolomite phosphatic
240-300 Ewlig
320-500' TD Eap

comp. sheet
W-LK 5528 T18S, R24E, S34
0-10 UDSC 28°52'26" 81°54'18"
10-57 "Pch"
57-129 Mh.
129-175 Ecr
175-232 Ewlig
232-TD Eap.

110
W-LK-7746 T20S, R24E, S28db
0-5 UDSC 28°43'10"
5-55' "Pch" 81°54'20"
55-80 E1
80-210' TD Eap

comp. sheet
W-LK-11306 T18, R24, S32d
0-30 UDSC 29°51'05"
30-50 Pch 81°53'40"
50 - 120 Mh
120 - 180 Ecr
180 - 200 Ewlig
200 - 420' TD Eap

W-LK-12745C - LK - (LK DeSham) T19, R24, S32ca
28°47'30"
81°55'45"

0-31' UDSC
31-58' Pch
58-61 sd more clayey - possibly top. Mh.
61-62. gum-clay } Res.
62-64 sd. laminated phosph. phos. clay,
75
75-145' Ecr

W-LK-622 T22S, R24E, S1956

0-130 UDSC

130- Eap.

corp sheet

W-LK 12794

0-60 ~~UDSC~~ Prob. Pch

60-120 Hawthorn Ep. → Qtz, sd, mod yellowish

120-160 Ecr brown (#34) mod gr, F-L v. qz

160-220 Ewlig tr heavier, silt or clay matrix

220-450' TD Eap. (slight matrix)

T21, R24, S 31C6

28°37'03"

81°56'38"

corp sheet

W-LK-4837

0-20 UDSC

20-50 "Pch"

50-80 Mh gp.

80-180 Ewlig

180- Eap

T19S, R24E, S 75C
28°51'07" 81°56'47"

Ewlig - Eap
contact questionable

W-LK-6266

0-180 UDSC

180- Eap

T19S, R24E, S 26db

W 13051C

T23, R24, S 6 ab6

NOT LOCATED in WASE

W-LK 13049C - LK

T22S, R24E, S 10db

0-20.4' ss - Dk brn, v. sl. clay, poor iron

20.4-32.4' Qtz sd, white, H. y. brn, var. clay

32-33.5' sdy clay, green + y. green, mottled

33.5-38.5' clay sd, white

38.5-47.4' clay sd, brown, bearing organic matter as depth

W-MR-1171

0-59' "Pch"

59-101 Ecr

W-MR-1174

Comp sheet
0-45 UDSC
45-67 Ecr
67-82 E^{1/2} Wlig
82 - Eap.

W MR-1177

Comp sheet
0-17 UDSC
17-56 Ewlig

W MR-1180

Comp sheet
0-11 UDSC
11-21 "Pch"
21-72 Ewlig

W-MR-1693

Comp sheet
0-40 Pch
40-150 UDSC
150-185 Eap.

W-MR. 1693

~~W-MR. 1693~~
~~0-60' UDSC + Reworked Pch,~~
~~Mh + Ecr (s. gas.)~~
~~60-100 Ecr~~
~~100-160' Ewlig~~

~~W-MR. 1693~~
~~WRONG~~

~~OK~~

251	16	15617
251	17	15619
736	15	15162
1735	3	12805 C
2645	18	15621
4879	19	15624
4989	20	15625
5054	8	10250
6392	9	10631
6393	3	1721
6775	7	6393
	6	2539
	5	10377
	11	11471
	5	1736
	12	11659
	4	1735
	10	10736
①	251	
14	13050	
2	334	
13	11933	

114

1900 mg
- 251 500 mg

~~Summer Co. West side~~
~~#557~~
~~557~~

W-C-8579 T1W, R1E sec 33 100

0-56' cyp. - clayey to slightly
clayey gr. sd., grayish orange to
white, poor ind. fr. km.

56-71 clay, grayish orange
to dk yellowish orange, granular
sandy. Abundant leached to
highly leached phosphate grains.

71-75 sd. - cyp. w some
leached phos gr.

75-85 - phosphorite - v leached,
clay matrix as in 56-71

85-105 sand, calcareous clay matrix
organic material + v leached phos
grains. becomes more calcareous
with depth and (clayey)

105-127 sand, v pale orange to
white, med gr., clay cement
slightly calcareous ^{in upper pt.} fr. km.

(- cyp. lths)

127-142 sd, clay matrix, dk yellowish
orange. Abd. leached phos grains
as in 56-71 interval.

142 - 180 sd, v calcareous,
may in fact be limestone w very
abd. caving. Is v recrystallized.
finely divided organic material
some iron? mineralization

180-196 sand? - cement as above
calcite matrix, matrix gl. br.
hard rock phosphate grains + frag.

0-56 cyp.

Note this well prob. in soln.
feature as evidenced by leached phos
+ phosphorite presence + depth to 25
probable top Ewig 142

prob top Ewig 180

0-142 cyp. w intermittent
phosphorite influx due to collapse? sd.

in

T1B5, 19E sec 14 Aug 200

7602

0-38' gr. sd, clay matrix
white to grayish orange (cyp.)

38-43 poss Ewig - highly med.

Is. some spec, arched dictyonema sp.

43-4d top.

W-CI 11452

0-26' Cypr - Orange to white
clayey sand, trace silicified ls
in lower most part

26-50' Cypr? white clayey sand
slightly calcareous - contains abundant
silicified ls. 33-38' interval, prod.
dolomite fragments - some (tr. phos)

50-73' TD Wlig, limestone, calcarenite

W-CI 874 T205, R20E sec 15
OCA

Cypr { 0-20 orange sl. clayey sand
20-40 brownish orange to v. H.
gray v. clayey sand, w streaks
stringers etc of clean translucent
waxy & pale gray clay.

Wlig { 40-85 - Limestone foraminiferal
coquina (f-m), variably calc.
calcareous + recrystallized (inc dn)
85-79 TD Avpk.

118

W-HR-11220 T215, R20E, S 33

Cypr { 0-30 reddish brown to red
and grayish brown clayey sand
poor indurated

30-50 calcareous, clayey quartz
sand, abundant chert and silicified
limestone

50-160' Ecr - ferratite

160-220 Wlig

220-300' TD Avpk

W-HR-7736 T22, R21, S 16cd

0-40' Cypr - reddish orange to
lt. brownish gray clayey sand
40-85' TD Ecr limestone

W-HR-7737 T225, R21E, S 8dd

0-5 UDSC

5-20 Cypr

20-30 clay w ls frag.

30-65' TD C/RV

W-~~3~~ HR-3675 T23, R21, S2cd

0-35' UDSC - prob reworked

35-55 Cypr lowermost unit
- 96% sd w white-cryst. clay
matrix

55-120 CLRV

120-190 WL19

190-TD Aupk

W-HR-7732 T23S, R21E, 14abd

0-10 UDSC

10-140 CLRV

140-185 TD WL19

~~W-CI 12149~~ T19S, RA, SBI

0-30 NOSM

30-40 UDSC

40-95 Cypr

95-120 Htriv? residue?

120-130 CLRV?

~~ok 100-130' spcs~~

120

W-CI 7960 T19S, R20E, S217

0-25 UDSC - sd with
clumps/bkls of Cypr, brown tan
clay, bioturb. frags. + scattered
pluv. grains.

25-47' WL19 - highly
recrystallized foraminiferal
calcareous.

spc CN corkered #1 core 46'

W-CI 11827

~~T19S, R21E, S217~~
T19S, R21E, S216

0-15' (1 spc.) mixed UDSC organic
rich material + Cypr.

15-30' Cypr lt. reddish brown
clayey sand

30-36 WL19 - highly recr.

36-96 TD Aupk - highly recr.

W CI 12241

T19S, R21E, S21

0-8 UDSC

8-~17 Cypr(?)

~17-60' WL19 - highly recrystallized
contains ~~exposed~~ + ~~exposed~~ disjuncts

W-CU-6670

T175, R19E sec 31

0-10 UDSC

10-30 cyp?

30- "Alachua" -

poor samples - abundant
cavities with very recrystallized
~~limestone~~ and micritized limestone.

W-CU-11098

T19S, R20E sec 17

0-10 UDSC

10-30 cyp?

30-50 "Alachua" w 19 quartz
phosphatized
frag.

50-60 w/19 uxl.

60- Avpk

W-SM 15590

0-2.3' UDSC

2.3-5.0 NOSM

5.0-8.0 cyp?

8.0-18.5 calcareous, variably

quartz sandy, streaked
with green clay - quartz
sand decreases w depth
clayey to ~18.5'

122
18.5-26.1' TD good CLRV litho
very chalky

0-5' UDSC

5-8' cyp?

8-18.5' CLRV w chyd + clay
infilling - possibly not in place

18.5-26.1' TD - CLRV

W-PS-15589

- Note box 1 poor recovery

0-30' in 1st box:

30-47 in box 2, 47- TD box 3

45.1' ~~(poor recovery)~~ cyp? chyd
+ clay

45.7-51.6' TD SWNN

highly recrystallized limestone
calcareous, quartz sand 5-10%

W-PS 15588

0-10' NOSM

10-30.6' Cypr

✓ 30.6-51' (B082)

W-PS 15585

0-2' UDSC

2-9' NOSM?

9-31' Cypr

31-37' - cypr intermixed with weathered ls. - ~~calc~~ calcarenites

37-49' TD CLR V - calcarenite.

W-PS 15587

0-9.6' NOSM

9.6' ?

~~Sampled appears to be pure
fossiliferous - see cypr. (shown)
on top of cypr. and
likely.~~

W-PS 15587

samples originally reboxed
incorrectly - reboxed frags
as per original USGS litho
log.

According to log.

0-9.6' NOSM

23' top of rock

25' TD

KMC { 0-9.6' NOSM
9.6-23' Cypr
23-25' TD SWNN

W-PS-15586

0-7' NOSM

7.0-27' Cypr

27-28.5' TD CLR V

poor depth
labels

0-3.5' NOSM

3.5-17' Cypr

17-25' Htrw?

25-28' TD CLR V

W-CI 7961

0-10' WSC ? - poss

cyp

10-33 cyp.

33-40' TD - w/ highly mxcl +
micritized fossiliferous ls.

W-CI 7962

0-20 "Alachua?" - clay stony
sd w. phos grains, organic
material + cyp along w
weathered + phosphatized limestone.
20-31' TD - w/ lg - calcarenite
fossiliferous ls.

5-19-87

126

~~5-20-87~~

drive to brooksville
pu remainder of RAMP III (sm co)
core from Greg Henderson (Ramp-wip)
visit w Tony Gilboy, then to
lake land to meet Tom Abel (geol.) w
Zw lake Hancock proj. John Morrill
there - rig is down due to broke core
barrel - attpt. to loc new barrel.
- rec. welding bbl. back together
Tom Abel + myself to drill site
lay out core + discuss Hawthorn
+ Suwannee litho. Camp on site.

5-20-87 describe core

W-PO FIPR #1 core, loc

S 1/2 of E side of lake Hancock
~ 100 yd E of dike.

T29S, R25E, sec 16a d

0-7.5' fill - Quaternary sand,
light creamy gray to yellowish gray,
variably clayey to very clayey, poor to
moderate induration, cohesive, somewhat
plastic, trace phos. grains. Thin
seams of organic rich sand (soil)
mixed in. Essentially this is over-
burden.

7.5-8.1 - ^{part or} Muck, dark brownish black, to dusky brown, organic material predominantly sapric however some fibrous material is visible. somewhat quartz sandy - approximately 5% quartz sand is visible.

8.1-9.5' Quartz sand, light creamy gray, mod. induration, clay cont. ~ 25% - fills pores, some limonite yellow mottling, tr. h.m.

9.5-10.25 Clay, creamy lt. gray, to mod brownish gray, soft, plastic, variably quartz sandy - grav. approx 30%.

10.25-11.25' Quartz sand Mod. brn., unconsolidated, contains blebs of clay on above

11.25-12.0 Quartz sand, mod. brn to lt. creamy gray, ^{mod. ind.} poor ind., clay matrix ~ 15%

12.0-14.3 Quartz sand, lt. brownish gray, fine grained clay cont. mod ind., lightly cohesive, somewhat plastic, clay matrix approx. 25%, trace heavy minerals, softer more plastic green at ~ 13.3-13.7'

14.3-15.2 Quartz sand, v. light gray to lt. brownish gray, soft, plastic, clay matrix - 35-40%, grs. sd med. gr. to heavy min.

15.2-19.4' Quartz sand, light brownish gray, fine to med. gr., clay matrix, 15-20%, trace heavy minerals, thin stringers + blebs of sdly clay below ~ 17.5' minor mottling

19.4'-22.75' Quartz sand bluish gray, to light greenish gray, fine to medium grained, clay matrix approx 20% - except at top where 30-40%, trace heavy minerals, scattered small blebs of sugar sand - unconsolidated 19.4' tentative top Peace River fm.

22.75'-24.0 Quartz sand, fine grained, mod. bluish gray to v. lt. brown, 15-25% very bedded phosphate sand + granules, phos. gr. colors chalky white to v. light grayish brn. grains are soft + friable. - trace phos. pbl.

24.0-27.0 Quartz sand, lt. brownish gray, to lt. grayish brown, clay matrix fine to med. grained, clay matrix 15-25% variably phosphatic - grains still bedded but less than above - mix of colors - lt. brn + enter to black.

15-25% phos. grains

27-33' Quartz sand, lt. grayish gr + blue at top grad to dk olive gr + green at base, fine to med. grained,

clay matrix ~ 10% phosphate sand,
variably leached, 15% fr. phos pbl.

33-35' - quartz sand, black & mod.
Brownish gray, clay matrix, poor ind,
clay ~ 15%, 30% phos sand, abundant, 25-35%
grains variably leached, clay content increases
downward, phos pbl. in lower 1/2
~ 5%.

35-36.5 Clay, lt. gray to gl. gray, plastic,
phos sdy 10-15%, scattered coarse
pbl.

36.5-39 - Dolomite, lt. gl. gray to gl. orange,
poor to mod ind, microcrystalline,
chalky, variably but only slightly
phos sandy.

39-40 dolomite lt. gray to lt. gl. brn.
more calcareous than above also more clayey.
40-44' Dolomite, gl. brn, poor ind to mod,
crumbly, microcrystalline, slightly sty
& phos sdy, minor phos pbl.

44-46' NO spe - white clay acc'd to J.M.

46-48 Dolomite, lt. gl. gray to lt. brn gray,
poor to mod ind, microxl. dolomite,
variable sty & phos content - from
lw. to ~ 15%

48-48.5' - dk sl. gr. clay, little or no
sty sd, or phos.

48.5-52.5 Dolomite, lt. gl. or,
mod ind, abundant 20% fine
interbedded to 505 ft - becomes
more sty and phos sdy with med-c
black phos sd.

52.5-53.5 NO spe

53.5-56.5' Dolomite, poor ind,
lt. gl or, crumbly, clayey, phos & sd
content variable 5-~20%, minor
phos pbl. becomes clayey & plastic
55.5-56.5',

56.5-57.5' NO spe

57.5' - 60.5' Dolomite lt. brownish
gray, poor ind, - crumbly dolomite
in a more clayey matrix, quartz
sdy, sl. phos sdy ~ 5%.

60.5-63' Dolomite, lt. gray, poor
to mod. ind, increasing to
well ind at 63', microcrystalline,
crumbly, sl sty & phos sdy - 2-5%
bottommost material highly xrl. - silica?

63'-67' NO spe. - soft rock
acc'd to J.M.

67-67.5' clay dark to lt. or gr.
darken & more plastic at top, slightly
phos sdy

67.5 - 69.25' Dolomite, lt. br. gy,
microxl, minor muschle pososity,
qtz + phos sdy ~ 7-10% @,
scattered phos pbl.

69.25 - 70.0' Clay, lt. ylt. br. dk. gy

soft, plastic, calcareous, phosphatic ~ 5%, qtz sdy,

70-71 - Dolomite, mod ind, as in interval

67.5-69.25,

71-72 - Dolomite, lt. br. gy, microxl
poor ind, var. clay, qtz sdy ~ 10%,

sl. phos sdy ~ 5%, scattered phos pbl.
becomes somewhat more phosphatic in
lowermost foot.

77-79' NO spec - clay ecd to 1 m.

79-83' Clay dk sl. gy to lt sl. gy,

soft, waxy, translucent, essentially
non calcareous, lighter colored portion
col. only tr sdy or phos with the lower
portion containing the majority, also small
blebs dolomite at base.

83 - ~~83~~ 83 Dolomite, lt. gy. br.

mod to well ind, upper portion
clayey, qtz sdy ~ 5%, sl. phos sdy.
lowermost portion ~~breaks~~ breaks up into
pear gravel.

88-90? NO spec - clay (1 m)

or
86-88?

88-93.5 Dolomite, vlt. gy, to, and
greyish brn. poorly mod. indurated
sl. qtz sdy, sl. phos sdy, variably
clayey. becomes clayey + sl. more
phosphatic toward base.

93.5-97' Clay, mod sl. gy, waxy,
translucent, mod ind, quartz sandy
variably phos sdy 10-20%, fr. phos
gravel at base, trace dolomite frags
at base.

97-100.5' - Dolomite, lt. br. gy to
vlt. br. mod to well ind, microxlines,
qtz + phos sdy ~ 5% ea.

100.5-102' NO spec - upper 6"
tan dolomite, low-eff. white clay,
set + "cong" at this point.

102-~~102.5~~ 102.5 Dolomite ~~as above~~ as above

102.5-103 Dolomite, lt. gy. brn, well
ind, fossiliferous, mollusc, forams,
serites sp., recrystallized, microxline
variably phosphatic fr. ~ 7%, more
calcareous than above.

103-105' Dolomite - bioturbated?

storm ripup? burrowed,
dark grey, highly text dolomite, well
ind, qtz + phos sdy, burrows or
min. voids filled w. ~~the~~ dolomite

common above. (typ. Arcadian), scattered
blebs/pbls of mod ~~dark~~ to dk brn.
~~dark~~ gty sdy + phosphatic dolomite
poss evidence of phos. in on cleats,
mollusc moldic porosity, below
104' distinctly conglomeratic.

105.5 - ¹¹²~~107.2~~ Dolomite, lt. grayish brn.
^{to well} mod ind, microxling, highly expl. gty
sdy 5-10% phos sdy 5%, 1-2%
phos pbl. becomes harder with depth.

112 - 114.5 Clay, mod brn, poor
ind, crumbly, gty + phos sdy,
calcareous, contains blebs dolomite

114.5 - 115.5 Limestone, lt. grayish
brown, mod. induration, fossiliferous
fossil frags, bryozoans, molluscs,
quartz ^{18-15%} sandy, phos sdy 5-10% clayey.

115.5 - 116' Chert dk brn. - app. repl. ls.
similar to that in interval above.

116 - 118 - No sm -

118 - 119.5 chert + ls as above chert
interval.

119.5 - 120' Dolomite, mod. Brn, micro
xl, highly expl. - remaining fabric
indicator orig. fossiliferous ls as above
int.

or poss calcite cemented gty sd. 134
120 - 124' Limestone, lt. gray, microxl,
well indurated, v. gty sdy, highly expl.
30-50%, mollusc moldic porosity, abundant
ls cleats - cleats sign less sdy than
matrix material

124 - 124.5 Limestone, ~~mod~~ well ind.
lt. brn, microxling, fossiliferous - molluscs,
forams, serites sp., micro moldic porosity

124.5 - 125' ls. - well indurated,
highly calcite cemented - highly
fossiliferous w Abch serites sp.
quartz sdy + phos. - appears to have
been an irregular surface - filled
w ls. as in above int.

125 - 132 - Limestone, predominantly
well indurated, sparry calcite, chert
highly expl. in places, v. fossiliferous
w old mollusc moldic porosity, v.
quartz sandy, slightly phos sdy, forams,
serites sp.

132 - 136 Limestone, mod. gray, well
ind, fossiliferous, minor moldic
porosity, v. quartz sandy, phos sdy
5-15%, molluscs, forams, bryozoans

136 - ¹³⁸~~137~~ Dolomite, mod brn. gray,
to dk gray, poor to mod ind,
quartz sandy 15-20%, phos sdy 5-20%

138-140 Clay, lt. to dk sl. gr.
mod to poor ind, crumbly, clay texture
waxy, translucent, only slightly
calcareous, slightly quartz + phos
sdy. 140.25'

140- Dolomite, lt. brn. grey, well
to mod ind., microxl. gtz sdy, 5-10%
phos sdy 5%,

146.25 - 148.9 ~~clay~~ ^{gtz sdy}, mod to dk
sl. green, mod ind, clay cont 30-40%
phos sd ~ 5% sdy in fine gr.
gradational lower bound. - becomes
lighter in color + more calcareous.

~~148~~ 149-150.5 Limestone, v. lt. grey
mod ind, microxl., gtz sd ~ 10%
phos sd ~ 5% scattered phos
pbl. variably clayey.

150.5-152' NO sm

152-153.5 Dolomite, lt. grey,
mod ind, var. clayey, gtz sd ~ 10%
phos sd ~ 5% - burrows? filled
w clay.

153.5-155 Clay, dg sl. green
mod ind, gtz sdy, 5-10% phos
sdy 5-10% ~ 2% phos pbl.
cobbles + chunks of dolomite.

155-156.5 NO sm

156.5-159.5 Dolomite, lt. grey, well ind,
highly moldic (mollusc) porosity, gtz sdy, phos sdy
159.5-160 ~ sd., mod. sl. gr. poor ind, clay
cont. phos sdy ~ 5%, phos pbl. ~ 3%.

160-161 NO sm

161-172 poor recovery - sand, dolomite cont.
fine grained. some moldic porosity, v. little phos.

172-186.5' NO spl.

186.5-190. Limestone, lt to mod. grey,
unconsolidated, cohesive, soft, clayey
quartz sandy, phos sdy (sl.)

this unit could be calc. clayey sd.
190-191.5 Dolomite, poor ind, v. clayey
red grey color, gtz sdy, phos sdy,
base of Hawthorn off.

191.5-216' Limestone, v. lt. grey,
unconsolidated to poor ind., granular
~ 60-70% alluvium, some hard zones
w minor moldic porosity.

v poor recovery 8.5' of recovery for 25' hole.
216-222 or above 3ft. recovery for
6ft. hole.

222-232 NO sm.

232-242 Limestone, v. lt. yel. or, poor
to mod ind. moldic porosity,
primarily stellate + biogenic grains.

LATER NOT (7-22-87)
OS base at 272
272-402 TD CLR

~~Plastic Holding Co?
Univ. of Mary 471
E side of Hwy 471
for car of
with brother to
7-8 miles S of
rock barn history~~

Tallahassee Bowhunters Association
VS.

Chapala Bowhunters Association
Annual Bowhunter Tournament.

Tournament will be held on
an alternating basis at the TBA
and the CBA

Tournament will consist of 40 (approx)
animal silhouette targets utilizing
bowhunting type equipment.

Targets, scoring and flight breakdown
will be according to home page
rules.

TBA VS CBA annual Bowhunter tournament

Shots will be held annually and will
alternate between the two ranges

Shots will consist of 40 (approximately)
animal silhouette targets

Bowhunting equipment only - 125 gr
screen in field pts win, single stabilizer
12" (nominal) max length, NO scope sights

- individual target scoring and flight breakdown shall be by home club rules, 100 ft / 100 ft or 100 ft / 50 ft
- 1 person from each club ~~in~~ each group will be designated scorekeeper.
- targets will be provided by the home club
- shooting stakes will be set by represent. of ~~home~~ visiting club.
- club championship will be determined by taking the total of a) the top 8 scores b) the top women's score and c) the top youth score for each club. if either club is not up by enough shooters, then both club totals will be based on the lower # of shooters
- Club championship trophy will be a permanent trophy produced by the top two clubs on a equal basis. the winning club will maintain active possession of the trophy.
- individual trophies will be awarded as follows men 3 ft x 3; women 1 ft x 3; youth 1 ft x 2

- flight breakdown for individual scoring will be based on a standard 50 pts ~~from~~ ^{measured} from the third place finisher of preceding flight.
- youth stakes: utilization shall be at the home club's discretion

TBA open shoot: supported by Western world of Tallahassee

- ① TBA has final editorial approval of advertising - in writing
- ② awards to be given away as door prizes and or raffles - spread out chances to all shooters and women youth etc
- ③ TBA will charge reg. registr. fee \$5.00 + will provide trophies for places.

2) Box + pin sub (A end)
short as possible

extra 2 + 3 + 4 ft rods

wash bucket + water

anti seize compound

list pins for flights

fishing tool (picktail)

loc. barge canal N side just E of W. pipeline 142

#161

0-33' inglis limestone

33-44 room - cavity?

44.3-45 coarse highly rept. inglis ls.

45-54' grey silt, & fine sd., clayey,
crumbly, ~~weathered~~ oxidized

Bole #2 0-4' UDSC

4-15' inglis limestone some
clayey fill material

15-18' soft crumbled limestone w
dolomite matrix - poss. weathered
inglis

18-~~27~~ 27' Dolomite ^{mod hard} well ind
at top. highly rept., becoming
rougher with depth microcline
microcline - big pk stone prob.
grains now visible.

72-~~27~~ 27' Dolomite + poor ind
mod. hard.

#162

Bole #3 (new hole) 0-1 UDSC

1-10 inglis ls. mod to poor ind.
some limonite staining

#4 (20')
0-4' silt
4-8' argill ls
8-18 Dolomite

* get map w location plot
for Bob Anderson

#52 0-44 Limestone -
calcareous cr. w/lt. & v. fine
shelly frag. 42-44 (shelly frag. etc.)
44-80 Dolomite, various
~~44-80~~ dolosilt beds.

#51 0-44 ls.
44-52 Dolomite

#59. 0-5 UDSC

5-10 - Calcareous
10-16 sd (gr. s.) v. f.
poss crin. frag.
16-25 Calcareous
25-34 sd., dolomitic poss
crin. (dolosilt?)
34-44 Dolomite

#60 0-5 UDSC

5-28 Calcareous
28-40 "Sand" - i.f. - dolosilt
w/ calcareous nodules
40-70 Dolomite.

57. 0-2 UDSC

2-30 Calcareous
30-40 "clay + sand" - dolosilt
calc. irregular nodules, soft
40-50 "fine sand" - dolosilt?
tan fine gr.
50-70 Dolomite

#54 0-6 UDSC

6-46 Calcareous
46-60 dolosilt? (sand,
tan, br., base calcareous)
60-65 Calcareous
65-71 sd., blk organic to
dolomite

#53 no sd. cov.

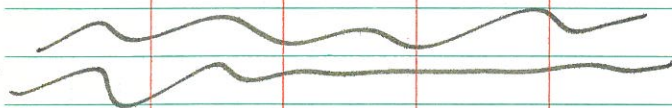
0-31 Calcareous
31-41 open cavity
41-80 Dolomite

55

0-1 UDSC

1-32 Calcarenite and to
whit. soft-bed.32-40 clay, sub. organic
v soft. - Drasilite.

40-80 dolomite



W-SM-16022 - Romp III

Tomkins Park T20, R22, S1dc
Elev 51'

0-27.2' UDSC, chy sd + sdy clay
little or no ~~phosphate~~ phosphate, little
or no organic, abundant iron
staining, abundant chert fragments
(sc-ls) becomes mottled sdy
clay at base

27.2-46' CLRV - white to
crum ls, poor to mod ind.
predominantly calcarenite with abd.
Lepidocyclus and Operculinoides
sp.

146

46-140.5 WL16 calcarenite,
variably micropelagized, variably
micritic - top contact picked on
chy from calcarenite to calcarenite
140.5-204.5' to Aupk



10-7-87 - "Dallas helper" on
National Forest #1 well - Wakulla
Co. cored 110-135' - 100% recovery
Limestone, lt. grey, variably micropelagized,
granular w. variable calcarenite
matrix, variably micritic, finely
granular sandy, becomes clayey
toward base of interval - ~~the~~ bluish
green waxy translucent clay
as matrix in crumbly ls. "breccia".
St. Marks?

Weather cool, sunny, N wind, water
frank ign key timber basin.

W-NA 10482 CORE

- 0-1' lt gr br sd, uncon - silt zone
 1-4' wht sd, uncon. to poor cons.
 at base: gradato
 4-11 med to dk gr brn sd -
 traces of ~~handpan~~ organic or clay
 matrix - unconsol. to poor
 11-18 sd, dk grey, gr. blk, uncons.
 organic or clay matrix - a
 18- ~~23.75~~ sd, dk yl. brn. - uncon - poor
 - handpan
 23.75-31.5' missing box of sps
 31.5-40' med yl. brn sd - poor ind
 clay cont

0-40' UDSC

W-NA-13815 CORE

- 0-5 lt. gr brn sd, uncons - f. gr
 5-10 med brn sd, uncon. to v poor
 silt & organic matrix - v. slight
 10-15 sd, lt. yl. brn. uncon. tr mica
 & km. vsl matrix
 15-20 lt yl brn sd, v poor ind, f. gr
 vsl matrix, 1-2 % km

- 20-25 same as 15-20 but v faint
 yl. mottling
 25-30 sd. lt yl. brn v poor ind, f. gr
 tr mica tr = 2% km
 30-40 same as above
 40-50 same

50-52.5' sd, gr to yl. bl. green,
 poor ind, clay cont, 25-40% poss
 green sd, clay, tr - 2% fine shell
 fragments

W-NA-336

- poor sps in uppermost int
 - v sparse small sps
 25-30' med. brn sd, ~~the~~ matrix
 lks lk UDSC - no sps above 25'

W-NA-371 - NO sps above 72'

W-NA-391 NO sps above 100'

W-NA 1026 - crossed out - NO sps

W#5 1025 - 1032 near along St
Marys R in ga.
- 29 Candlen Co > 29 Charlton Co

W-NA-1410 - NO spc above 1162'

WNA-890 NO spc above 120'

W-NA 2918 - NO sps above 205'

W-NA 2964 - 1 spc 0-79' - 1k 1k.
undsc but lg interval negative
usefulness

W-NA 6532

0-5' 1/4 gr brn uncon. silt sd
along w gr brn clay sd

5-15' med-dk brn clay sd,
w scattered fragments white
carbonate

5-15' med-dk brn clay sd,

more to poor ind. dk brn clay or hardpan

15-40' Gray brn clay sd, sl. micaceous
poor ind, tr. carbonate frag.

40-60 ft gray brn clay sd, sl. clay,
shelly 15-20% shell frag

5052

Nashua

150
W-NA-10715 NO spc above 45'
45-60' interval in Nashua

W-NA-13563

0-18' qtz sd, lt. gl. brn, gl. brn
and gr blk matrix - more than 1 unit
18-42' Quartz sand gl. brn + gr brn, p + med
ind; clay cont ~10% coarse-vc quartz, gr.
trace carbonate grains

42-63' Qtz sd, gray brn, poor ind, clay cont
~10% shell frag.

Top Nashua
in 18-42' int

~~W-1025~~

W-11.9' NO spc

11.9-22.6' - gray brn clay sd,
2-4% calcite xls - rhomboes +
acicular, tr mica, tr brn.
Silty?

22.6-39.3' : Qtz sd, wht - 1 ft brn.
unconsolidated

W-1025 Camden Co ga. Computer log

0-11.9': washed spc: Clay, greyish brn, sdy, silty, tr mica, modern organics

11.9-22.6': sdy clay/clay sd, gy brn, mod to poor ind, clay matrix, trace some organics or hardpan, 1-2% calcite xls, - charcoal + needles

22.6-39.3': Qtz sd, wht, lt. brn, unconsolidated, F-m. gr, some coarse grains, tr. hardpan, tr mica, tr km.

39.3-49.0' TD Qtz sd, md, lt. grey, & fine grained - washed spc only - clay grains dk gr brn, - prob matrix material, 3-4% km, ~5% fine - mod shell frag, tr. mica

W-1027 Camden Co ga. Computer log

0-10' Qtz sd, lt. yl. brn, uncon. tr mica, F gr, tr heavy min, & sl. matrix-clay?

10-25.9' clay/hardpan - mod brn/dusky brn, mod ind, qtz sdy, silty clay/organic matrix

25.9-33.4': qtz sd, wht, unconsol. tr km, tr mica

33.4-~45' TD Dolomite? ls?/md grey, well ind, shell bed - 2-4mm frag pred.

W-1028 Camden Co GA. Computer log

0-6.5' Qtz sd, gy brn, uncon, tr km, tr hardpan/organics, F gr.

6.5-10.5': Qtz sd, yl. brn, poor ind, clay emb, F gr, tr carbonate frag, tr km, appx 3% vc-grained grain

10.5-15.3': qtz sd, mod yl. brn, poor - mod ind, clay emb, mod sdy & gr, some c grains, tr carbonate gr, tr mica, tr km, tr charcoal.

15.3-18.0': Clay, yellowish gy to lt. olive gy, mod-poor ind, clay emb, qtz sdy - primarily &, but abd c+vc grain, some granule, tr km, mica.

18.0-18.8' DOLOMITE, pale yellowish orange, well ind, dolomite emb, quartz sandy, 5-15%, mollusk molds, abundant min staining

18.8-23.3': Qtz sd, gl. brn, poor
ind, s. gr, clay cont, common C
gr, trace carbonate gr.

23.3'-24.9' med, gl. brn, poor ind
qtz sd

24.9'-62.6' Qtz sd, gr brn, poor
ind, clay/carbonate cont, ~5% med
to c dk green - phosph, tr mica.

computer log

W-1029 Camden Co. GA:

0-2.7' ~~Qtz~~ Qtz sd, lt brn gr (84)
uncon, Fgr, v-m rgl, some
C gr, subangular, 2% silt or clay
matrix, tr organics.

2.7'-8': Qtz sd, dk gl. or (36)
to vlt. dk gr, clay matrix, poor
to med ind, mottled, Fgr,
v to C gr, tr heavy min,
5% clay blebs - qtz sd.

8-15' - washed spec only: clay, gl.
gr (86), poor ind, clay matrix
quartz sd, 15-40%, 2% km,
tr mica.

154
15-20.8' Limestone, white, vlt. gr
(76-77) med ind, calcite, calcite
matrix, inter + intra granular porosity,
quartz sd, 5-10%, tr km, clay,
20.8'-63.6' TD: Quartz sd, lt. gl.
gr, poor ind, clay cont, 10%, Fgr
v-m rgl, subangular, calcareous
matrix, tr mica, 5% phosphate
sand.

W-NA-6265 T2N, R02E, S8cd

0-30' UDSC

30-60'+ ~~NA~~ NASHUA FM
worked 0-60' TD is 1200'

W-NA 11100 - computer log

0-25'+ UDSC

25-72' NASHUA FM

72'-100' COOSAWATCHIE FM

0-100' worked

TD at 1016'

W-NA 11139

UDSC 0-25' UDSC
 25-47' UDSC or NASHUA - no shell
 NASH 47-69' NASHUA
 69-91 sdy Domanite, } coarsenite
 COCS 91-100' " " } Fm

W-NA 13074

0-10 UDSC
 10-60' + NASHUA

W-NA 12315

0-30 UDSC
 30- NASHUA

WNA 12317

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