

TAMiami - BK1

1987



MEMO notebook

50 sheets
ruled

open side
6 in. x 4 in.



NO. 5515/73180
PRUDENTIAL-FELDCO INC.
Glendale, NY 11385
Chicago, IL 60608
City of Industry, CA 91745



(NY)
9A
① W-6175 Okeechobee N. most
T335 R25E S15 SW
FT DAWN

0-55 UPSC (sand)

55-95 Calourahatchee (sand shell po4)
(@ soft H green calcareous stone)

95-125 TAMIAMI (ls)

125 → Hawthorn (sand)

TAMIAMI: -95'-

"unrexl" calcareous tan, hd, v fine
rexl calcut. cement, scatt to common
gtz sand v scatt v fine blk po4, low
molluscan moldic p, pe 664 size grains
are: pectens, oysters, barnacles,
echinoid spines (ie: calcite).
-125'-

Haw top: sand, gray, gtz & po4 v fine
to med. po4 is dk amber/oran,
common/salts teeth/thin mollusc frag
next 20' down: greenish dolomite
& common po4

8/87

- (2) W-14062 Okeechobee ⁽⁹²⁾ middle
T355 R25E S9
0-45 UDSC (sand) ^{OKF-29 SAND}
45-56 Caloosahatchee (shell & sand)
56-66 " (green finely fossil calcut.)
66-95 TAMIAMI (ls)
95 → Hawthorn (v fine sand)
(depths are GR log corrected)

TAMIAMI - 66' -

It has UNAEXL calcipudite, grains are
v lg barnacles, some to common gtz
sand, v scatt to scatt v fine to fine dk
p04, hd, scatt molluscan moldic
tan part. REXL calcarenite, most grains
REXL @ no band. visible, some bound.
are visible (grains are forams, molluscs,
tuff films), low to mod molluscan moldic
v finely REXL calcitute matrix, hd,
scatt to some gtz sand, v scatt brn/
dk/gray v fine to fine p04

gray micrite, vhd, ϕ , vscatt to
some gtz sand, scatt arg mat'l (fresh-
water?) molluscs

Basal: finely recrystallized tan calcarenite,
hd, most gr. bands invisible, v
finely recrystallized, common v fine gtz
sand, scatt to some v fine blk/brown
/orange pot

- 95' -

Haw

97-107 gray-sen v fine sand common v fine
to med. blk pot/v low dolomite matrix

107-118 vhd finely echinoderm / 14 gray
dolomite, some in possible to v fine blk

a pot, common gtz sand, v fine - med.

118 $\rightarrow$ sand, gray v pot's (fine)

8/87

Well cuttings

①

W-4481 [BRANARD] E. cent.
RD 310' Ft. Lauderdale
T495 R42E S22

sand v. dsc 0-20

^ FT. T" 20-40 (sand)

TAMiami 40-290

Hawthorn 290-310

Top 1/2: ① wht shelly sand (v. top)

② hd sand stone (micrite)

③ part. recr. calcarenite
hd, ssy

Bottom 1/2: ① soft sandstone (calcutite)

② calcisiltite tan

③ gray-tan shelly sand
(v. base)

all tan - no dk gray

all have orange to blk v. fine po4
sand @ base: much more po4 than sand @ top

: shell matl much finer " " " "

② W-12426 Palm Beach E cent. Lake Worth
TD 358' T 445 R 43E S29

0-35 ODSL

35-45 "F" Thin (ls, shell)

45-155 Calusa. (sand and shell)

155-280 Tamiami (ls)

280-358 Hawthorn (grn sand & some shell)

Top: tan pelletal calcisiltite
Middle: gray & white moldic calcarenite
Base: gray/tan hd sandstone
(some unfossil. ls) (tan)

X (NW corner)
③ W-12597 Palm Beach Lake Hartman

TD 560'

T43S R35E S33

"LK Flat" 0-4.0

4-10 "FT. Thump" (15 fresh water)

10-20 Calousahatchee (H. corals & shells)

20-180 TAMiami

180-560 Hawthorn [dolosilt (ban)]

v top: micrite dk gray / brown, whd.

middle: dk gray / wht calciprudite

some reyl calcarenite zero f

dk gray hcl sandstone

bottom: gray / wht hcl sandstone

wht soft unfossil part reyl calcilutite

Base: ban ssy dolostone some mott

white calcilut. sandstone

X
(4) W-7363 Dade County (S)

TDD 262' T 58S R 37E S1/4

0-18' Miami Ls

18-30" FT Thompson (Ls)

30-~~260~~ T Miami

~~260~~ → Hawthorn (po4-concrete)

v. top: dk gray, vhd micrite

Top 1/4: wht hvd ss

tan part. peyL calcarenite (moder)

wht vhd micrite

(new) brown v fine ostracodic dolostone

soft calcareous ss

(20')

Top middle 1/4 gray shelly sand

(new)

pebbly shelly sand

gray d tan calcarenite (fine bed)

- 125' -

(over)

4) continued

lower middle 1/4 green-gray shelly sand

ssy green-brown dolosilt

soft (calclutite) sandstone

(thin bed) REYL calcarenite

- 170' -

basal 1/4 soft (calclutite) sandstone (fine)

w/ partially REYL calcarenite

(at base) (thin beds) gray h d sandstone

- 214' -

basal - basal

(new) gray infossil sand (unconsolid)

finer toward base

- 260' -

Hawthorn greenish coarsely poy
sand

4/27

⑤ W-9191 Dade County West US 41 S
TD 280' T55S R36E S6 NW
Miami Ls 0-3 ls
"Ft Thomp" 3-6 ls
Tamiami 6-240'
Haw 240 → 280' → "shell" & coarse po4

Top 1/3: tan hd ssy ls ^{new} = micrite
white sand, unconsol. unfossil.
tan ssy moldic (low) next calcarenite
wht/gray 50 ft sandstone (calcilutite)
—50'—

Middle 1/3: unconsol. shell beds (new)
—105'—

Lower 1/3: gray to tan next coquina ^{calcarenite}
but opaque finely XL lime cement
—160'— next calcarenite gray to tan, much hden
Thando. + lower ϕ
—190'—

gray to tan hd ss low moldic ϕ , first of
only XL po4 (v fine) (6'k)

elenc 74' 40 Co
11/20

⑥ W-14913 Broward County W
TD 180' 26-10-16/20-49-26

" Ft. Thump. " 0-10' (1s)

Tamiami 10-175'

Hawthorn 175-180' coarse dk poy

Top 1/3 : 10'

wht calcilutite rhy mod hd, no poy

wt crumbly sandstone (calcilutite)
v. calc dk fine poy

minor: shell mat'l &

gray p. rexl calcarenite hd moldic
not much

-70'-

Middle 1/3 shell bed (barnacles)

minor: hd tan ss &

hd gray to tan calcilutite
-100'-

Basal 1/3

wht to lt gray partially rexl calcarenite

v. moldic, slightly pottic, rhy
not as rexl as oolite lithofacies except 150-70

v. base : dk gray to brown hd sandstone
(170-175'?)

$$e_{kpa} = 20'$$

27 02 23 8032

⑦ W-14754 Martin County (west)

~~TD 1220~~

near my 100 yd well
T39 S R 30 E S33 CA

caloosahatchee 0-60 (sand & shell / shell beds)

Tamlam 60-140

Hawthorn 140 → (coarse pot & brn dolomite)

upper 1/4: brown moldic dolomite

slightly ssy & potic

tan partially petL calcarenite

moldic, ssy, slightly potic

next 1/4: shelly sand (gray) (barnacles)

v low calcilutite matrix

next 1/4: calcisiltite (brn, ssy potic)

minor: partially petL calcarenite

(brn, slightly dolomitic)

calcilutite, brn

lower 1/4: fully petL, v moldic, calcarenite

ssy partially petL calcarenite

if tan unpetL calcarenite

vhd, mod. rev. dolostone micrite

unrev. grains floating in cement

v. basq

brown dolostone

calciopudite to calcaenite (rev)

vhd, ssy, poric

-150-~

Notes: 1. coarse pot

2. brown then dk green thin

brown-green dolomite

3. gray pecten frags

9/87

(P)

STRWMD-CORES [Indian River Co.] E.

(92)

TD: VARIOUS

Top Tamiami (ls) & 80-100' range

Top HAW. (green dolomite or sand): 120-150'

V. Top molluscan calcarenite nonssy to
 sparsely, non po4 to sparsely, cryptocrystalline
 cement, v low ϕ , high cement content
 dk gray & wht, v. hd
 and micrite, dk gray v. hd, scatt-some
 org mat'l (wht shell frags or forams -
 (v. fine), non ssy, non po4ic
 and shell bed, v lg pores, v thick shells

Upper 1/3 gray & wht calcarenite to
 calcisiltite, part. po4ic calcisiltite
 cement (mod. amt), crumbly to hd,
 ssy, mod. po4ic, [60% v. fine - fine],
 zones of low moldic ϕ



Middle 1/3 green-gray shelly marl,
argillaceous, dolomitic?, soft, mod.
high calcilutite matrix, ssy, high-mod
poitic, forams & molluscs

gray sandstone, crumbly to red
mod. d, calcilutite to calcisiltite matrix (low)
mod.-to mod-high poitic, forams, molluscs
grading to:

calcisiltite, gray, moderate
part. RexL calcilutite matrix, ssy, poitic
shell beds, lg frags, thick shells

↑ calcoschistina (7/93)
↓ T. amari

Lower 1/3 calcilutite, part. RexL, ssy, mod poitic
(gen. infossil but can contain silt to
-rudite size org matl shells) (forams)
v. lt gray to white

fully RexL coquina, high inter-
granular and mold cφ, v slightly ssy
and poitic, gray and tan, sparry?

(9)

W-13967 Martin Co. ext. NE - Barrier Isl.

TD 250'

T3P5 R42E S38

0-10 Holocene (mean sol. sand @ same shell)

10-40 Anastasia Fm (ss top → coquina →)

40-205 Tamiami (ls)

205 → Hawthorn (rubby sand @ dolomite
matrix [olive drab], 250 → green ssy dolomite
silt @ forams

-40' ? Anastasia ↓

Upper 1/3 orange-brown hd sandstone @ somev fine dk & ambr pox and scatt to some
silt size to v fine shell mat / incl. foramslower 15': calcisiltite, orange-brown hd,

v ssy (v fine), v fine ambr blk pox some

-20'-

Middle 1/3 tan to gray calcisiltite, ostracods -

forams, hd, v fine ssy, v fine pox dk

minorgray and brn, calcareudite, v hd micaite cementv low ϕ , v low sand/pox content

minor, some shell beds

-95-

sandstone, orange-brown, hd, only scatt amber
& black P04,

tan to gray, calcisiltite vssy

minor: calcinosite, partially ReXL, v low
calcisiltite to sparry cement, some coarse
guts sand, v scatt P04, crumbly, high
intergran ϕ .

-115-

shell beds, tan & gray

-120'

Lower 1/3

upper 10' : sandstone, gray, v fine, hd,
common v fine blk P04, scatt to some v fine shell

some: calcisiltite: gray, ReXL calcisiltite
cement, vssy, common v fine blk P04

minor: sparsite dk yellow, some org mat'l
traces of lg (rudite) shells, mod hd

minor: calcinosite: tan & gray & wht,

⑩

W-15B16 [Martin Co] (NW ex 1A.)

TD 130'

T39S R37E S6 DE

0-5 Holocene (sand, scatt shell)

5-20 Caloosahatchee (sand & shell @ v fine
blk pot)

sand bed: 40-45'

forams abundant

shell bed: 50-55'

toward base

ls bed: 15-22'

80-120 Tamiami (shell - ls)

120- Hawthorn (ss) pot 6m dolus 14

[Upper 1/3]

-80'-

coarse shell @ calcilutite MAYAIX

sch. spines, barnacles, some sand
gray-green

-95'-

next calcarenite, 6m, dolo?, mod ssy,

scat pot 4 (4K), crumbly

-100'-

middle 1/3 gray calcarenite, v crumbly,
v low calcilutite matrix, ssy, scatt

HK pot

-121'

lower 1/3 next calcarenite, gray & brown
ssy, potic (amber and blk, v fine), reland,
same middle ϕ

-130'

Haw. brown ssy potic dolomite

(abundant v fine blk)

(11)

W-1052 St Lucie County ^(S 170 N 55 P 15 W)
TD 135' T 35 S R 39 E S 26 NW SW

0-15' UDS C (orange sand)

15'-40' Caloosahatchee (sand & shell, unconsolidated)

40-130' Tamiami

130' → Hawthorn (dk green & fine sand @ 100' below dolosilt matrix)

Upper Zone - 40'-

coarse (thick) shell frags, ssy, calcilutite matrix, scatt & fine blk pot

and calcisiltite - calcarenite - calcirudite
all dk gray and white, hd, cryptocrystalline cement, ssy, scatt. pot,

minors: hd ss micrite cement, pot, tan to gray

ssy ss calcilutite matrix, dk tan, some v. coarse sand stone.

scatt micrite @ 60', scatt dolostone @ 75'

Middle zone - 100' -

H. green-tan, shelly marl, v ssy, v soft,
some v fine dk pty,
shells: forams to (v scat) whole to v fine
frags of molluscs

Lower zone - 110' -

gray fine shell and sand, unconsol.
abundant forams and sand size (excl.)
mollusc frags.

- Haw - - 130' -

dk green sand v fine @ dolositt & some
forams & mollusc frags.

"(Piss-River Formation)"

(12)

medullas well

W-14703 St Lucie CO. ext. NE/Barrier Isl.

TD 126' T 34 S, R 40 E, S 14

0-10 Anastasia (?), (loose shell, incl. Dunax Dunax
crepidula)

10-42 Caloosahatchee, (loose shell & ls: gray
dunx calcarenite @ cryp. cement, v. ss,
not v. poric, some br green obsid. at base)

42-126 Tamiami

126 → Hawthorn (dk green calcarenite & v. fine sand)

Upper zone (v. top) - 42' -

^{some} por., v. dk gray calcisiltite, v. hd, yellow,
coarse (thick shell) shell beds

- 52' -

v. lt. gray calcisiltite, v. hd., v. low p.,
less cement than pexl cement. toward base
some sand, least por / forams ostr. pellets v. fine
mollusc frags
shell beds

Middle zone - 94' -

green-gray dunt part. peXL calcarenite, hd,
moldic ϕ

green-gray hard sandstone, scatt po4
v fine, some shell frags,

minar: gray calcarenite, low cement, fully
original mat'l. crumbly.

→ Tamiami ↑ Colocoph.

Lower zone - 110' -

white fully peXL calcarenite, v moldic,
hd, some v fine BK po4, plenty of v fine peXL
cement, "Ochopee"-like!

- 126' -

Hawthorn: dk green dolosilt & v fine sand

(13)

W-15664 Indian River ext SW (Eum.)
92 TD T 335 R 37E S 30 SE²

0-32 Calusa hatchee (sand & shell)

32-84 Tamiami (v. unrel.)

84 → Hawthorn sand, green-gray, v. fine
to coarse, v. fine to coarse P04
(abundant), dolomite matrix

- 32' -

Upper Zone wht & dk gray shell brd, (rel. g.)
coarse (compared to Calusa.)
- 55' -

Middle zone

ssy shell mael, sand is v. fine (low
? calcareous matrix), brown to gray, also forams
shell is wht

- 73' -

Lower Zone shell dk gray & tan unconsol.
mod. coarse

Haw - 84'

(14)

W-1034P Indian River (Johns Isl. Barrier ²³¹⁶)

TD 154 T32S R39E S12

0-20' Anastasia (?) (sand and (recent) shell)

20'-84' Caloosahatchee (shell and some ls)

ls: gray & wht calcarenite cryptocr. cement
shell: coarser than Anast., not as c. as ↓

84'-154' TAMIAMI

154' → Hawthorn (sandy dolomite)

Upper Zone Top 1/2:

calcisiltite, dk gray to white, rexc cement
whd, v. low ϕ , grains: forams, ostracods & fine
mollusc frags / ssy

and v. thick coarse shells

Lower 1/2:

calcarenite, partially rexc, h.d., ssy
cryptocr. cement, ag matl mollusc frags for
grains, non-por, gray & wht

calcarenite, wht, fully non-por, calc. cement, ssy, scatt blk & fine por

+ shell frags as above

+ calcisiltite " "

- 125' -

Middle Zone

completely REYL coquina, gray & tan, ssy,
v low cement, v high intergranular moldic ϕ ,
v scatt por (coarse, fairly)

- 130' -

Lower Zone

wht completely REYL calcarenite, moldic ϕ
grain bands invisible, ssy to nonssy, slightly
poric (blk) (v fine), hd

and

some: wht hard sandstone
slightly poric (H)

- 154' -

Hawthorn - green-brown, v fine sand,
v soft, w clay matrix, scatt
forams

(15)

W-12997 Date Co (NE) (S. Hallow)

T21105

T535 R41 E S18

0-5 UDSC (622 sand)

8-15 MIAMI LS (no oolitic yellowish)

15-50' FT Thompson (sand oolitic yellow)

50-245 TAMiami (ss - ls - ~~thin~~ ¹⁰⁸ ^{orange ls to ss with fossils - Spartan})

108-7 Hawthorn (ls - adjust)

approx zone - 50' - adjust

completely reyl calcarenite, hd, yellow-tan to tan, no g. band. visible, s.s. scatt orange to amber & fine po4, cement w fine to cryptocryst, scatt to abundant mollusc molds

hd sandstone, w fine - fine, tan to yellow-tan, cement as above, po4 as above

soft sandstone, low to mod calcite matrix, some to common oyster shell frags, po4 as above, color as above, size as above

minor: completely peyl coquina, yellow-tan
v low finely peyl cement, v high intergran
and moldic ϕ , nonporic, ssy

minor: v coarse soft sandstone, v low
cement (calclutite) por as above + color

minor: partially peyl calclutite, lt tan
tan, ssy, por: v fine to fine amon to black salt,
mod soft, low fine moldic ϕ , (sand is v fine
to fine only)

— 100' —

middle zone (top)

partially peyl calcarenite, whd, dk tan
to brown & wht, org matl frags, cement cryptic
to microcline, v scatt por

hd sandstone, coarse, scatt to common org
matl shell frags, tan to brown, v scatt por

— 112' — (base) How conc etc por

gray & wht calcarenite to calcarenite, conc,
crumbly, low partially peyl calclutite cement,
v ssy (coarse - v fine), v scatt v fine HK por

Lower Zone

153'

(upper 1/2)

soft granitelly dolomite, scatt - some sand,
non poric

- 180' -

(lower 1/2)

hard brown ss dolomite, coarse cement,
subequal to v fine rhombs, scatt to some
mollusc molds, non poric

to: sandstone, hard, dolomite cement
brown, v. hd, non poric

(toward base)

crinopore v fine and dolomite

→ 245' →

Howthorn

dk green, v ssy (v fine),

soft (swelling), dolomite @

scatt v fine blk por.

(16)

W-2867 [BREVARD] Cape Can. lighthouse

TD 95'

T 23 S R 20 E 529 BB

0-15 Anastasia (sand & shell lt colored)

15-25 Anastasia? (shell & sand) dk & light

25-55 Caloosahatchee (sand pot shell
dk colored, fine)

55-95 Tamiami (very close upper contact)

95 → Hawthorn (coarse pot)

- 55' - (zones not well
mkt)

[Upper zone]

hd lt brown to tan calcite partially
rexl, moldic, slightly ssy, scatt to
v scatt v fine dk pot, v finely rexl
cement

soft lt tan dolostone, v finely rexl
scatt-some sand,
shell bed, barnacles, whole, others
med coarse.

minor: calcisiltite, v ssy, tan, mod hd,
scatt-some v fine dk pot, luteite material, scatt lt shells

W-5902 75'-
middle zone

calcsiltite, tan, v ssy (v fine),
mod. soft, some - common v fine blk po4
(grains: forams & unid forams)

sandstone, gray-tan, v fine to fine,
silt size to v fine sand size shell/foram
grains, some v fine blk po4

- 45' -

lower zone

calcsilt. & ss as do.

soft calcsiltite brn-gray, calcsilt
matrix some - common v fine blk po4,
org mat. grains (molluscs incl. bivalves),
also partially rexl calcilutite matrix, some
dolomite?

- 95' -

Haw

hd po4 (Anom-5m) dolostone
finely rexl / coarse sand / coarse po4
(blk-brn) / shanks term.

W-5908 DREWARD CC Natl Seashore
(17) TD 124 T 205 R 36E S 26 DD

+5 to -4 Holocene (sand & worn shell)

-4 to -12 Anastasia? (sand & shell)

-12 to -99 "Nashua" Calusa, (sand
and shell, v. fine to v. coarse grt.,
gray to brown to green-gray, abundant
to v. low calcilutite matrix)

-99 to -104 Nashua can clayey sand

-104 to -124 TAMIAH (?)

-124 → Haw dolomit - sand (v. fine)
(-104)' = 109'

TAMIAH

gray-white sand,
medium-grained low calcilutite
matrix, crumbly, scatt med
to v. fine blk po4, only v. scatt org
natl shells at top & base

Haw - v. fine green-brown sand, dolomit
matrix, common amber-bk po4 v. fine

(18) W-11848 Volusia County N. Barrier

TD150

T13S R32E S9

0-40' UDSC (sand or Ange-brn)

40-60 Anastasia (shell - some sand)

60-85 Calusa hatonee (shell, some bk
P04, low sand, dk gray - w/ht)

85-90 TAMIAMI?

90-93c. Haw? (coarse unconsol sand ^{scatt} bk P04)

93-100' Ocala (v top brn dol. hd, fossil
calcareous)

TAMIAMI: gray tan sand, v low
calcareous matrix, v crumbly,
some to common forams & shell frags,
scatt v fine bk (weath?) P04

110-120 Ocala (brn dol. hd)

120-125 Ocala (brn dol. hd)

TAMIAMI

125-130 Ocala (brn dol. hd)

(19)

W-13242 Volusia (S.) Barrier
TD120' T16S R34E S30 ^{Pence} ^{Inlet}

0-35 Anastasia (stell, H Orange-tan,
worn, commonly ss (gray) at base @ shell layer)

35-80 Caloosahatchee (dk gray/wh shell)

80-85 Caloosa. (green gray, v fine to
fine sand @ clay & calcite matrix
diatoms, forams, (base "Nashua") =

85-100 TAMIAMI

100-110 Hawthorn (dolomitic, ind. Green-gray
v fine to med, abundant por (v fine to fine,
gray to green to tan), shks teeth.

Also euhedral, foram size calcite
in bunches, v top Ocala ✓

110-120 Ocala (peel forams)

120 → wht calcarenite, forams, @ lops
-85-

TAMIAMI: H gray sand with
abundant fossil stuff; sand size to

pebble size (whole), molluscs, forams, echin
sponges; (essentially unrecalcified
or unrecalcified @ siltite matrix)
✓ low calcite (recalc?) matrix

Tuffaceous

low calcite

matrix (low)

low calcite

matrix

low calcite

matrix

low calcite

matrix

(20)

W-6137 Volusia middle Barrier
100' TD T155 R33E S5 6d

0-40 Anastasia ? (sand, scatt shell)

40-80 Oolosa Hitchcock (shell & sand^{PO4})

80-90 " base (v fine, green-gray sand,
high dolomite matrix & clay matrix, scatt forams
& ostracods, scatt PO4)

90-100 TAMIAMI

100-? Ocala (whit foram-calcareous)

TAMIAMI:

whit sandstone, crumbly, reyl calcilutite
matrix (low), some v fine BK PO4, scatt-
some mollusc frags (v fine to v coarse)

in reyl calcarenite, wht, crumbly, reyl
calcilutite matrix, some v fine BK PO4,
scatt - common sand scatt - some mollusc
frags (v fine to v coarse)

shell bed wht med coarse

(2)

W-152P2 Flagler WASH OAKS 2000
87' TD T105 R31E S18

0-2 UDSC (sand, brn)

2-40 Anastasia (shell and sand)

40-80 Calousaboteuse (sand & shell, gray)

80-87 TAMiami

87 → How Thon (green-brn sand,
abundant & fine-fine brn/bk pot,
low dolomit matrix)

TAMiami:

upper $\frac{3}{4}$: limestone, wht to gray,
peyl calcarenite, gr. banded, partly
visible to invisible, unid. fringes & forams,
scatt to some sand (v fine to med.), moldic,
mod to high, partially peyl calcifutite to
calcisiltite cement, mod hd to hd,
scatt brn to blk & fine pot, zones
of v high moldic & v hd!!

(22)

W-13844 Core / St. Johns Farm Dykes - S.

99 TD

T 105

R 30 E S 37

0-30 (sand) UPSC

30-79 Caloosahatchee (sand & shell) ^{including} mercen.

79-99 Tamiami vga

99- Hawthorn Gulosi (4)

Upper zone

-79'-

lt gray/wht unrecL calcarenite, soft & crumbly
finely recL calcilutite & unrecL calcilutite matrix
common fte sand, some molds, scatt v fine to
fine blk to brown to gray PO₄, grains oysters/
flat echinoids/recL forams/union frags

-84 1/2'-

Middle zone

green-ben sand (med) finely recL calcilutite
matrix - dolomitic? (low med to med), v
crumbly & soft, some ben tan orange blk
fine PO₄, scatt ech spines/barnacles/recL

forams/void frags
wh- gray calcilutite to calcisiltite, soft,
abundantly ssy (md-v coarse), some v fine to
fine HK/bn pot, grains are void frags,
& bacnacles (some)

gray sand, v fine - v coarse, v crumbly,
v low to low calcst - calcilutite matrix, some
next forams, some v fine to fine HK/bn/gray
pot

lower zone - 96'-

wh- calcisiltite, crumbly, low-mod to
mod next calcilutite matrix, scatt to common
gtz sand, some to common brown/HK v fine
pot, grains void frags/next forams.

- 99'-

Hawthorn - grn-green dolosilt
scatt v fine HK pot

(23)

W-11186 St. Johns 4 mi S. St. Aug.

TD 130' TBS R30E S39

0-20 UDSC (fine ^{sn} sand)

20-40 aloosatchee (sand and shell)

40-60 " (shell)

60-100 " (shell & marl)

100-115 Tamiami (ls)

115- Hawthorn (cas p04/dolomite)

Tamiami

Reyl calcudite to unReyl calcudite
whT, some to common sand, nod hd to
hd, some to common (base) moldic ϕ ,
scat to some v fine to fine grn/gray/BK
p04, grains are forams/calcite molluscs/
Gyozoia, calcit. Reyl is v. finely Reyl
(cement)

Haw: 115-120: v coarse to sm possible BK p04

120-120: green fossilif. dolos. lt & gray
sand

(24) CORE W-13751

DURBIN TOWER

0-60 UDSC (sand)

60-102 calcareous chert (sand & sand-shell)

102-106 Jax dolostone mbr (ind. dolostn)

T 55

R 28 E

S 11 CB

no Tamiami

(25) W-13746

4 mi N. of St Aug (Barron Is.)

no Tamiami

T 65

R 30 E

S 20

∴ Tamiami pinches out ~ St. Augustine

26

W-13490

core

recovered

w. cent.

TD 109

T

R

S

0-25.5 UDSC (sand)

25.5-40 Caloosahatchee (sand and shell)

40-108 Tamiami (increase in matrix)

108 → Haw Thorn

Upper zone -40'-

lt gray calcisiltite, v ssy, calcilut. matrix,
unid frags/ostacods/forams/molluscs, soft,

some v fine - F blk P04

green-tan sand, soft, lutite matrix,
v finely fossil (forams, ostacods, unid frags, specul),
scatt to some v fine to fine blk P04, (≡ v ssy
unrexl incum. calcisiltite)

tan calcilutite, hd, ssy (fine), scatt to some
forams/ostacods, scatt-some v fine-fine blk P04,
scatt mollusc molds, v scatt lg oyster frags
unrexl gray lt tan calcilutite gray oyster

(fines), hd, scatt to some gtz sand (v fine)
scatt v fine blk pot, low to mod molluscan
moldic ϕ

lt green mod hd sandstone, forams & mid
frags (v fine-fine) common, scatt v fine blk
pot,

tan rexl calcilutite to micrite, hd, some
to abund. v fine sand, scatt v fine blk pot,
low-mod molluscan moldic ϕ , scatt to some
lg oyster frags / forams / mid frags, low
coralline moldic ϕ

wht unrexL calcarenite, scatt to some v fine
to fine gtz sand, scatt to v scatt blk v fine
heavy mins(?), mod soft/crumbly, mainly
mid frags

tan partially rexl calcilutite, common to abundant
v fine to fine sand, soft/crumbly, scatt v fine
blk pot, scatt ech spines / rexl forams.

tan rexl calcarenite, mod hd, high fine
molluscan moldic ϕ , scatt to abund gtz
sand, v scatt v fine blk heavy mins(?),

no grain bands visible.

tan, partially ~~rexl~~ calcarenite, do but
gr band visible, lower cement content,
more crumbly, scatt of moll grtry
if oyster frags / mainly molluscs / uid
frags for grains.

gray ~~rexl~~ calcarenite (white films),
high molluscan moldic ϕ , gr bands invisible,
uid., some to common gtz sand (coarser),
vs. scatt. v fine to fine BK P04

tan calcarenite, soft / crumbly, some to
abund gtz sand (coarser), vs. scatt v fine to
fine BK P04, gas: molluscs / uid frags

Middle Zone - 79' -

soft tan calcisiltite, abund to common sand
grains: forams / spicules / uid frags, vs. so xt
scatt to some Gn / BK v F to F P04, data? - 94' -

Lower Zone

JAMI $\downarrow$?

94-109

partially pexl gray to wht calcarenite, hd,
high to med molluscan moldic ϕ , many grains
unpxl, micrite cement, some quartz sand,
scatt v fine to fine dk/brn/gray PO₄,
many gas bound. invisible, grains: brn/wh
molluscs, forams, uid frags, in zones
of ssy calcisiltite

tan-gray calcisiltite, mod hd grains
are: uid frags/forams/molluscs, ^{int. or wht} some
to a med grt sand (v fine to fine), some v.
fine to fine brn/dk PO₄

gray pxl calciprudite, mod hd but crumbly,
calcisilt to calcarenite matrix, high
intergranular and molluscan moldic ϕ ,
gas. mainly uid frags, but some forams,
scatt grt sand, scatt vF-F brn/dk
PO₄

- 108 1/2 -

Haw 108 1/2 - 109 hd ss (PO₄ only - amber, orange
dk - brn-gray, v fine), no ϕ , v finely pxl
dolo cement

109 → 62m dolosilt 1/2 pebbles of dk-color
p04, scat coarse sand, some p04
as 20.

2 wells.

Continu

Lithologic: sand $\leftrightarrow$ ls carbonate
ls $\leftrightarrow$ dolostone
dolostone $\leftrightarrow$ sand

Reyl: 100% org. mat'l $\leftrightarrow$ completely
(soft) $\leftrightarrow$ Reyl
(marl or calcilutite) (und)
micrite
Reyl calcarenite
micrite conc. ss

size: cryptocrystalline $\leftrightarrow$ ls. pebble
(micrite) (calcarenite)
(cement in Reyl cupules) (coast-marsh)

environ. of Dep

offshore marine - nearshore - reef - surf zone
(micrite - calcilutite) (siltite) (arenite)
(arenite) (siltite)
- fresh water (freshwater/s)

Stratigraphic Zones

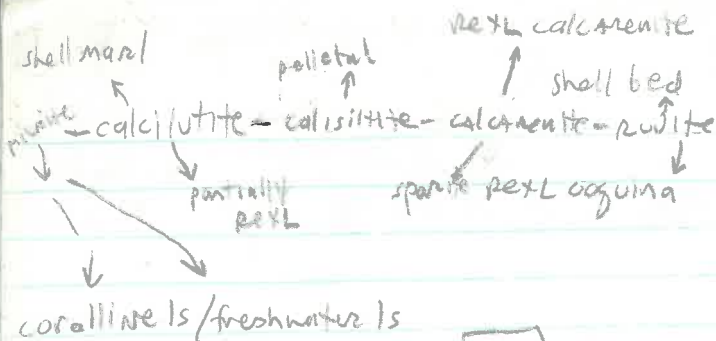
Top 1/3: vhd micrite or
hd calcirudite at v top

Middle 1/3 much less ret L & rotten

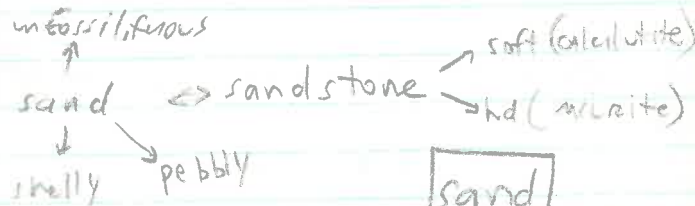
Basal 1/3 calcilutite ↑ north
 calci siltite
 dolostone
 sandstone ↓ type

greenish gray
dk gray - gray - tan - brown
 |
 white

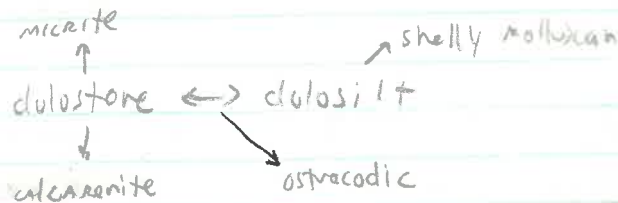
color



LS



sand



+ moldic ϕ
+ fine to coarse phosphate

Lithologies

dolostone

