

10-23-19

35657-2

RNG	t	H1	-	ROD	R
TOM	2.05	4.24			2.19
40				2.1	2.1
55				4.1	0.1
70				6.0	-1.8
89				6.2	-2.0
106				6.4	-2.2
124				6.9	-2.7
145				7.5	-3.3
157				7.8	-3.6
178				8.5	-4.3
200				9.3	-5.1
202				9.9	-5.7
220				10.2	-6.0
240				10.5	-6.3
260				11.0	-6.8
278				11.5	-7.3
299				11.8	-7.6
320				12.0	-7.8
336				12.4	-8.2

BRUNNEN

27/4

SH R-25 RNG 40 #5001

SAND @ 1403

" " "

SAND

"

ROCK

"

"

SAND



10-23-19

35657-2

P-25 cont

RNC	+	141	-	200	EL
-----	---	-----	---	-----	----

4.24

352			12.5	-8.3
-----	--	--	------	------

365			12.5	-8.3
-----	--	--	------	------

381			12.8	-8.6
-----	--	--	------	------

397			13.2	-9.0
-----	--	--	------	------

4/12			13.4	-9.2
------	--	--	------	------

431			14.0	-9.8
-----	--	--	------	------

T.P.	3.96	4.17	4.03		0.21
------	------	------	------	--	------

TBM		3.90		0.27
-----	--	------	--	------

Edward

$$\frac{22}{5}$$

SAW

SH 1225 RAB 55 #5002

10-9-19

35657-2

D. VOTROBEK

BROWARD COUNTY

J. WALTHER

BEACH PROFILES WATER PORTION

H. HARTGAVE

R-26 TO R-44

H. LAWSON

R-26

RNG + HI - ROD @

TBM 342 1641 12.99

45 3.4 13.0'

50 3.5 12.9'

55 4.7 11.7'

62 6.7 9.7'

63 10.7 5.7'

70 12.1 4.3'

89 13.1 3.3'

T.P. 5120 8.31' 13.30' 1 3.11'

111 7.5 0.8'

119 8.2 0.1'

121 9.4 -1.1'

140 10.0 -1.7'

150 10.9 -2.6'

178 11.8 -3.5'

195 12.4 -4.1'

1002

1162

55

BROWARD

25/31

SH R-26 RNG 45 H 1001

GB @ 11.0'

GB

GB @ 14.0'

TUB VEL

TOE SAND

SAND

10.9.19

35657-2

BROWARD

25/32

R-26

RNG

+

H1

-

ROD B

8.31

214

13.3

-5.0'

SAND

232

13.7

-5.4'

253

14.2

-5.9'

269

14.8

-6.5'

290

15.5

-7.2'

311

16.0

-7.7'

333

16.8

-8.5'

349

17.1

-8.8'

366

17.7

-9.4'

380

18.3

-10.0'

T.P.

12.12

16.22

5.21

3.10'

T.M

4.61

11.61'

SN R-26 RNG 65

N 1002 (11.62)

10-9-19

35657.2

1004

9.34

ZACHARY

25

/33

R-27

RNC	+	HI	-	ROD	EL					
TBM	1.79	12.86			11.07	SH	R-27	RNC 90	#	1003
90				1.7	11.2'	GR @	HUB			
100				3.5	9.4'	" "	"			
103				4.0	8.9'	VEG				
106				4.7	8.2'	TOE SAND				
117				5.0	7.9'	SAND				
121				7.0	5.9'					
141				8.9	4.0'					
T.P.	4.83	9.03'	8.66		4.20'					
161				7.1	1.9'					
181				9.1	-0.1'					
190				10.4	-1.4'					
196				11.9	-2.9'					
217				13.6	-4.6'					
237				14.2	-5.2'					
262				15.3	-6.3'					
285				15.8	-6.8'					
305				16.4	-7.4'					
322				16.7	-7.7'					
344				17.2	-8.2'					

10-9-19

35657.2

BLOWARD

25/34

R-27

RNG

+

HI

-

ROD

EL

9.03

350

17.5

-8.5'

SAND

370

17.9

-8.9'

402

18.2

-9.2'

418

18.5

-9.5'

435

18.7

-9.7'

450

19.0

-10.0'

T.P.

8.46

12.65'

4.84

4.19'

TBM

3.26

9.39'

SH R-27 RNG 100 ¹⁰⁰⁴

9.34

10-9-19

35657-2

1006 8.92

BROWARD 25/35

R-28

RNG	+	H1	-	ROD	EL				
T.B.M	4.62	13.20'			8.58	S4	R-28	RNG 180	# 1005
180				4.6	8.6'	SAND	@	HUB	
200				4.5	8.7'	"	"	"	
220				4.8	8.4'	SAND			
240				5.6	7.6'				
255				6.3	6.9'				
270				7.9	5.3'				
290				8.9	4.3'				
307				10.7	2.5'				
T.P.	5.27	7.95'	10.52		2.68'				
328				7.8	0.2'				
353				9.5	-1.5'				
363				12.3	-4.3'				
387				13.7	-5.7'				
411				14.6	-6.6'				
434				15.4	-7.4'				
459				15.9	-7.9'				
483				16.1	-8.1'				
507				16.2	-8.2'				
529				15.8	-7.8'				
553				15.5	-7.5'				

10-2-19

35657-2

R-28

RNG + HI - ROD EL

7.95'

577

15.0 -7.0'

SAND

502

14.8 -6.8

628

15.3 -7.3'

658

14.9 -6.9'

T.P. 7.10 10.04' 5.01

294'

TRM 1.34

8.70'

SH R-28 RNG 200 * 1006

8.92

TRM 1.45

8.59'

SH # 1005 8.58

10-9-19

35657-2

R-29

RNC	+	H1	-	ROD	E
TBM	2.25	8.95			6.70
260				2.2	6.8'
280				2.6	6.4'
300				2.0	7.0'
308				1.9	7.1'
310				3.8	5.2'
329				5.5	3.5'
351				8.4	0.6'
370				10.5	-1.5'
375				12.2	-3.2'
396				12.7	-3.7'
418				12.7	-3.7'
438				13.1	-4.1'
457				12.7	-3.7'
480				12.8	-3.8'
500				13.3	-4.3'
520				13.9	-4.9'
538				14.5	-5.5'
562				15.3	-6.3'

1008 6.59

BROWARD

25/
37

SH R-29 RNC

1007

SAND @ HUB

SAND

10-9-19

35457-2

BROWARD

25/28

RNC + HI - ROD 13
8.95'

588 15.8 -6.8' SAND

608 16.0 -7.0'

629 16.1 -7.1'

652 16.1 -7.1'

675 15.9 -6.9'

702 15.8 -6.8'

T.P. 2.29 8.88' 2.36 6.59'

TBM 2.49 6.39' SH R-29 RNC 280 # 1003 6.70

TBM 2.17 6.71' SH # 1007 (6.70)

10-9-19

35657.2

R-30

RNG + HI - ROD EL

TBM

4.95

13.11'

8.14

SH

R-30

RNG

220

#

1009

220

4.9

8.2

SAND @ HUB

240

4.9

8.2

" " "

263

4.9

8.2

SAND

278

4.9

8.2

291

5.2

7.9

293

4.7

8.4

314

9.9

3.2

T.P.

5.83

9.19'

9.75

3.36

336

8.4

0.8

357

10.4

-1.2

363

11.1

-1.9

372

13.0

-3.8

391

14.0

-4.8

417

14.4

-5.2

440

14.8

-5.6

464

15.2

-6.0

486

15.7

-6.5

511

15.7

-6.5

537

14.5

-5.3

561

13.9

-4.7

1010

8:22

BROWN

25/39

10-9-19

35657-2

R-30

RNG + HI - ROD EL

9.19'

583

13.8 -4.6'

SUM

601

14.1 -4.9'

629

14.7 -5.5'

648

15.0 -5.8'

670

15.4 -6.2'

691

15.9 -6.7'

711

16.2 -7.0'

732

16.5 -7.3'

TBM

098

8.21'

SH R-30 RNG 240 #1010 8.22

10-9-19

35657-2

R-31

RNG	+	H1	-	ROD	EL
TBM	4.55	12.91'			8.36
250				4.5	8.4'
270				4.8	8.1'
293				5.6	7.3'
296				7.4	5.5'
317				9.1	3.8'
T.P.	4.70	8.71'	8.90		4.01'
338				6.9	1.8'
359				9.5	-0.8'
373				10.8	-2.1'
378				12.5	-3.8'
399				13.6	-4.9'
420				13.7	-5.0'
445				15.3	-6.6'
464				14.6	-5.9'
486				14.8	-6.1'
508				14.5	-5.8'
531				14.1	-5.4'
549				14.0	-5.3'
569				14.5	-5.8'

BROWNS

237

/41

SH R-31 RNG 250 H 1101

SAND @ HUB

" " "

SAND

10-9-19

3957-2

R-31

RNG

+

H1

-

R00

EL

8.71'

591

15.4

-6.7'

SAND

608

16.2

-7.5'

623

16.9

-8.2'

646

17.9

-9.2'

TBM

0.66

8.05'

SH R-31 RNG 270 * 1102

BROWARD

25

42

10-9-19

35657-2

R-32

RNG	+	H1	-	ROD	EL
TBM	5.58	13.12			7.54
320				5.5	7.6'
340				4.8	8.3'
346				5.2	7.9'
353				8.8	4.3'
375				9.9	3.2'
T.P.	4.95	8.25	9.82		3.30'
396				7.4	0.9'
415				9.7	-1.4'
420				10.5	-2.2'
429				11.6	-3.3'
449				13.1	-4.8'
470				13.2	-4.9'
495				13.6	-5.3'
518				12.5	-4.2'
538				12.3	-4.0'
560				12.9	-4.6'
582				13.5	-5.2'
606				14.5	-6.2'
626				15.4	-7.1'
649				16.5	-8.2'

1014 8.26

BROWARD

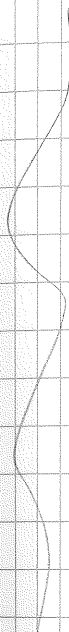
25/43

SH R-32 RNG 320 # 1013

SAND @ HJB

" " "

SAND



10-9-19

35657-2

R-32

RNC

+

H1

-

200

EL

8.25'

670

17.4

-9.1'

SAND

695

18.5

-10.2'

T.P.

5.21

10.08'

3.38

4.87'

TOM

1.83

8.25'

SNR-32 RNC 340 H 1014

8.26

10-8-19

35657-2

320

1016

7.32

BROWARD

25/
45

R-33

RNG	T	H1	-	ROD	EL	
TBM	3.99	11.92'			7.93	SH R-33 RNG 300 #1015
300				3.9	8.0'	SAND @ HUB
320				4.6	7.3'	" " "
340				4.9	7.0'	SAND
365				4.6	7.3'	
368				6.8	5.1'	
390				8.7	3.2'	
T.P.	5.05	8.46'	8.51		3.41'	
412				7.3	1.2'	
433				9.6	-1.1'	
440				10.4	-1.9'	
444				11.8	-3.3'	
466				12.9	-4.4'	
490				13.2	-4.7'	
510				12.0	-3.5'	
531				11.5	-3.0'	
555				12.1	-3.6'	
577				12.7	-4.2'	
602				13.5	-5.0'	

10-2-19

35657-2

BAUMARD

25/
46

R-33

RNC

+

H1

-

R00

EL

8.46

623

14.3

-5.8'

SAND

645

15.0

-6.5'

666

16.0

-7.5'

689

16.9

-8.4'

713

17.7

-9.2'

TBM

1.23

7.23'

SH R-33 RNC 320 # 10K 7.32

10-9-19

35657-2

R-34

RNL	+	H1	-	ROD	EL
TBM	5.89	12.59'			670
320				5.8	6.8'
340				5.3	7.3'
353				5.4	7.2'
371				8.2	4.4'
382				9.0	3.6'
				<u>7.5</u>	
395				10.7	1.9'
T.P.	7.08	9.18'	10.49		2.10'
415				9.8	-0.6'
427				11.0	-1.8'
432				12.3	-3.1'
454				13.5	-4.3'
474				13.3	-4.1'
500				12.7	-3.5'
521				12.7	-3.5'
540				13.4	-4.2'
564				14.4	-5.2'
588				14.6	-5.4'

340 1018 7.24

BLOWARD

25/
147

54 R-34 ANG 320 # 1017

SAND @ 1113

SAND

10-9-14

35657-2

BROWN

25

48

RNG

+

R-34

H1

-

200

a

9.18

G14

17.0

-7.8'

SAND

G37

18.4

-9.2'

G58

19.5

-10.3'

TBM

201

-

7.17'

SH R-34 RNG

340

10/18

7.24

10-9-19

35657-2

R-35

RNC + 141 - R00 EL

TBM 2.20 9.42' 7.22

225 1.9 7.5'

245 2.1 7.3'

259 2.5 6.9'

273 4.6 4.8'

292 5.5 3.9'

316 7.5 1.9'

335 10.9 -1.5'

341 12.3 -2.9'

364 13.2 -3.8'

383 13.3 -3.9'

405 13.0 -3.6'

426 13.2 -3.8'

447 14.1 -4.7'

471 15.2 -5.8'

496 16.7 -7.3'

515 17.9 -8.5'

544 19.5 -10.1'

563 20.5 -11.1'

T.P. 1.84 9.36 1.90 7.52'

TBM 2.05 7.31

1020 7.13

BROWARD

25/49

S11 R-35 RNC 225 # 1019

SAND @ HUB

SAND

S11 R-35 RNC 245 # 1020 7.13

10-9-19

35657-2

220

1022 6.90

BROWN

25/

51

RNG	+	R.36		200	E
TBM	2.11	8.76		6.65	
200				2.0	6.8'
220				1.9	6.9'
229				1.8	7.0'
236				4.4	4.4'
256				6.3	2.5'
278				7.4	1.4'
298				8.8	0.0'
321				10.0	-1.2'
342				10.9	-2.1'
365				11.7	-2.9'
386				12.3	-3.5'
409				13.1	-4.3'
435				14.4	-5.6'
460				15.8	-7.0'
489				17.4	-8.6'
510				18.6	-9.8'
536				20.2	-11.4'
555				21.3	-12.5'
T.P.	1.58	8.89	1.65	7.11	
TOM			4.81	6.88	

S11 R-36 RNG 200 # 1021

SAND @ SW

" " "

SAND

S11 R-36 RNG 220 # 1022 6.90

10-2-19

35257-2

R.37

RNG	+	141	-	R00	E
TBM	2.36	9.13			6.77
180				2.3	6.8'
200				1.8	7.3'
204				1.8	7.3'
210				4.6	4.5'
229				5.6	3.5'
252				8.6	0.5'
266				9.1	0.0'
272				10.5	-1.4'
281				11.5	-2.4'
288				11.1	-2.0'
293				10.8	-1.7'
316				11.9	-2.8'
339				12.7	-3.6'
361				13.5	-4.4'
385				14.5	-5.4'
402				15.3	-6.2'
426				15.3	-6.2'
452				17.6	-8.5'

1024

25/52
BLOWARD

SH R-37 RNG 180 # 1023

SAND @ 4.03

1 1 1

10-9-19

35657-2

R-37

RNG

+

H1

-

R00

E

9.13

475

19.2

-10.1

S&W

496

20.3

-11.2

"

T.P.

1.48

9.01

1.60

7.53

TOM

1.71

7.30

SH R-37 RNG 200 #1024

(7.45)

10-2-19

35657-2

R-38

RNG	+	HI	-	ROD	EL
TBM	3.17	12.88'			9.81
80				3.1	9.9'
100				3.6	9.4'
108				3.5	9.5'
112				5.0	8.0'
132				5.1	7.9'
149				5.2	7.8'
153				8.0	5.0'
168				9.4	3.6'
T.P.	5.48	9.35'	9.11		3.87'
191				8.2	1.2'
211				9.7	-0.3'
232				10.4	-1.0'
251				11.5	-2.1'
276				12.8	-3.4'
296				13.2	-3.8'
323				14.1	-4.7'
345				15.3	-5.9'

1026 9.21

BROWARD

28/54

SH R-38 RNG 80 # 1025

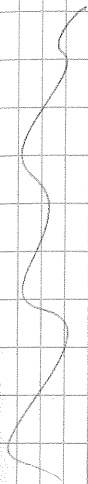
GB Q HUB

" " "

TOO

TOE VEL

SAND



10-9-19

35657-2

R-38

RNG

+

H1

-

R00

B

9.35'

369

16.3

-6.9

SAND

396

17.7

-8.3'

418

19.0

-9.6'

448

20.4

-11.1

TP

8.92

12.79'

5.48

3.87'

TBM

3.47

9.32'

SH R-38 RNG 100 #1026

9.21

BROWN

25/

55

10-9-19

35657-2

R-39

RNG

+

H1

-

R00

E

243

9.21

6.78

80

2.4

6.8'

100

2.5

6.7'

117

3.8

5.4'

122

4.9

4.3'

138

5.4

3.8'

159

6.6

2.6'

184

7.5

1.7'

193

9.7

-0.5'

200

10.4

-1.2'

220

11.1

-1.9'

245

12.1

-2.9'

269

12.9

-3.7'

292

12.8

-3.6'

322

15.2

-6.0'

348

16.5

-7.3'

374

15.9

-6.7'

1030 6.70

BROWND

25/56

SH R-39 RNG 80

#1029

SAND @ HUB

" " "

SAND

10-9-19

356.57-2

R-39

RNG

+

H1

-

R00

EL

9.21'

404

19.5

-10.3'

SAND

436

20.8

-11.6'

T.P.

2.16

8.92'

2.45

6.76'

TBM

2.36

6.56'

SH R-39 RNG

#1030

6.70

ZAROWANS

25/157

10-9-19

35657-2

R-40

RNG	+	H1	-	ROD	EL
TBM	2.21	8.91'			6.70
130				2.2	6.7'
150				2.1	6.8'
161				2.0	6.9'
166				4.5	4.4'
180				5.9	3.0'
195				6.3	2.6'
215				8.4	0.5'
235				9.5	-0.6'
262				11.1	-2.2'
283				11.8	-2.9'
307				12.2	-3.3'
328				13.4	-4.5'
347				14.6	-5.7'
375				15.6	-6.7'
387				16.9	-8.0'
423				18.4	-9.5'
448				19.8	-10.9'
T.P.	1.85	8.82'	1.94		6.97'
TBM			2.08		6.74'

1032 6.90

BROWMAN

25/58

SH R-40 RNG 130 # 1031

SAND @ HUB

" " "

SAND

SH R-40 RNG 150 # 1032 6.90

10-9-19

35657-2

R-41

RNG	+	HL	-	R00	EL
TBM	2.01	9.41'			7.40
120				2.0	7.4'
140				2.0	7.4'
149				2.3	7.1'
153				4.8	4.6'
175				6.4	3.0'
196				8.6	0.8'
211				9.9	-0.5'
214				10.5	-1.1'
235				10.3	-0.9'
259				11.8	-2.4'
282				12.7	-3.3'
312				13.8	-4.4'
330				14.7	-5.3'
354				15.8	-6.4'
378				17.2	-7.8'
401				18.3	-8.9'
426				19.7	-10.3'
T.P.	1.86	9.42'	1.85		7.56'
TBM			2.03		7.39'

1034 7.37

BROWARD

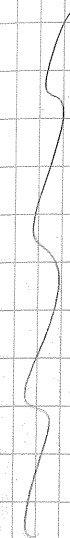
25/59

SH R-41 PT # 1033

SAND @ KUB

" " "

SAND



SH R-41 RNG 140 PT 1034

7.37

10-9-19

35657-2

R-42

RNG	t	H1	-	R00	EL
TBM	2.90	9.19'			6.29
120				2.9	6.3'
140				2.8	6.4'
151				2.8	6.4'
160				5.0	4.2'
176				6.4	2.8'
192				7.0	2.2'
212				8.7	0.5'
222				9.8	-0.6'
226				11.0	-1.8'
249				11.1	-1.9'
274				12.3	-3.1'
303				13.5	-4.3'
325				14.4	-5.2'
348				15.5	-6.3'
374				17.0	-7.8'
400				18.3	-9.1'
426				20.0	-10.8'
T.P.	2.57	9.10'	2.66		6.53'
T.B.			2.77		6.33'

140

1036

6.35

BROWARD

25

160

SH R-42 RNG 120 # 1035

SAND @ HUB

11 " "

SAND

SH R-42 RNG 140 # 1036

6.35'

10-9-19

35657-2

R-43

RNG	+	141	-	R00	EL
TBM	1.33	9.42			8.09
130				1.3	8.1
150				1.4	8.0'
171				1.8	7.6'
177				5.2	4.2'
196				5.7	3.7'
203				6.1	3.3'
224				9.9	-0.5'
247				10.4	-1.0'
270				11.1	-1.7'
291				12.0	-2.6'
314				13.0	-3.6'
337				13.9	-4.5'
360				14.9	-5.5'
383				16.0	-6.6'
408				17.4	-8.0'
432				18.6	-9.2'
454				18.7	-9.3'
T.P.	1.22	9.37	1.27		8.15
TBM			1.41		7.96

1038 7.91

BLOWARD

25/
161

S.H. R-43 RNG 130 # 1037

SAND @ 14.0

" " "

SAND

S.H. R-43 RNG 150 # 1038 7.91

10-9-19

35657-2

R.44

RNG	+	111	-	R00	EL
TBM	3.32	9.68'			6.36
220				3.3	6.4'
240				2.9	6.8'
248				2.8	6.9'
252				5.1	4.6'
270				6.3	3.4'
293				5.4	4.3'
310				10.1	-0.4'
339				11.1	-1.4'
361				12.3	-2.6'
389				13.1	-3.4'
414				13.9	-4.2'
434				14.7	-5.0'
453				15.5	-5.8'
478				16.7	-7.0'
501				17.7	-8.0'
521				18.9	-9.2'
436 536				19.7	-10.0'
T.P.	2.70	9.03'	2.75		6.93'
TBM			2.88		6.80
					6.75

1040 6.70

BROWARD

25/62

S/H R-44 RNG 220 # 1039

SAND @ HUB

11 " "

SAND

S/H R-44 RNG # 1040 (6.70)

10-10-19

35657-2

R-45

RNG	+	HI	-	ROD	EL
TBM	2.10	9.01'			691
260				2.0	7.0'
280				1.7	7.3'
285				1.7	7.3'
290				3.8	5.2'
310				6.1	2.9'
315				6.8	2.2'
320				9.6	-0.6'
325				10.4	-1.4'
335				12.4	-3.4'
355				12.0	-3.0'
378				12.4	-3.4'
400				12.3	-3.3'
430				12.9	-3.9'
450				13.6	-4.6'
475				14.6	-5.6'
495				15.7	-6.7'
515				16.9	-7.9'
535				18.0	-9.0'
560				19.2	-10.2'
T.P.	1.35	8.94'	1.42		7.59'
TBM			1.67		7.27'

D. VOTROUSEK - H. LAWSON

BROWARD

25/63

D. VOTROUSEK - H. HART GRAVE

BEACH PROFILES R-45 TO R-80

EVERY OTHER

STATION

SH R-45 RNG 260 # 1041

SAND @ HUB

" " "

SAND

SH R-45 RNG 280

1042

7.27

1042 7.27

10/10/19
M. Barker

35657-2

Broward County, WATER PORTIONS

2-46

Prob.	+	H1	-	ROD	DOWN
TBM.	2.17'	9.17'			7.00'
136'				2.2'	7.0'
140'				2.4'	6.8'
150'				1.9'	7.3'
158'				1.7'	7.5'
161'				3.6'	5.6'
173'				4.6'	4.6'
195'				7.3'	1.9'
215'				9.6'	-0.4'
225'				12.7'	-3.5'
250'				12.5'	-3.3'
272'				12.3'	-3.1'
294'				12.4'	-3.2'
314'				12.6'	-3.4'
339'				13.3'	-4.1'
353'				14.0'	-4.8'
371'				14.8'	-5.6'

Broward 26/44

DECC

SH. 12-46 RING 130' P.T. 1043

DRIP SH

SH

10/10/19

35657-2

Cont. R-46

Rng.

+

H₁

-

Roo

LWV

AGEC

9.17'

390'

15.9'

-6.7'

3RD

412'

16.9'

-7.7'

432'

18.1'

-8.9'

453'

19.4'

-10.2'

475'

20.3'

-11.1'

TP.

1.49'

9.00'

1.66'

7.51'

TBL

1.88'

7.12'

SR. R-46 Rng. 150' PJ# 1044 (GLC 7.14')

Bembridge

26/45

10-10-19

35657-2

R-47

RNG + HI - ROD @

1.44

9.20'

7.76

210

1.4

7.8'

230

1.2

8.0'

239

1.3

7.9'

244

4.3

4.9'

264

5.2

4.0'

287

7.9

1.3'

306

10.2

-1.0'

314

12.5

-3.3'

333

13.0

-3.8'

355

12.8

-3.6'

374

13.0

-3.8'

394

15.1

-5.9'

417

13.9

-4.7'

440

14.9

-5.7'

461

15.9

-6.7'

485

17.3

-8.1'

512

19.0

-9.8'

537

20.3

-11.1'

T.P.

1.02

9.14'

1.08

8.12'

TBM

1.22

7.92'

1046

BROWARD

25/
64

SH R-47

RNG 210

1045

SAND @ HOB

11 11 11

SAND



SH R-47 RNG 230

1046

7.97

10/10/19

35657-2

R-48

Rdg.	+	N1	-	Rdg	Elev.
201	2.68'	8.25'			5.57'
216'				2.5'	5.8'
220'				2.4'	5.9'
230'				2.0'	6.3'
238'				1.9'	6.4'
243'				4.2'	4.1'
252'				5.0'	3.3'
272'				4.1'	4.2'
297'				7.9'	0.4'
307'				8.9'	-0.6'
315'				11.0'	-2.7'
333'				11.0'	-2.7'
353'				10.7'	-2.4'
378'				11.7'	-3.4'
400'				12.0'	-3.7'
422'				12.9'	-4.6'

Broward 26/46

DATE

SH R-48 R-48 210' DIST 1047

SAND SH

SH

10/10/19

35657-2

Coring R-48

Relg	+	H1	-	Relg	GLN.
------	---	----	---	------	------

8.25'

444'

13.7'

-5.4'

469'

15.1'

-6.8'

492'

16.2'

-7.9'

514'

17.6'

-9.3'

533'

18.7'

-10.7'

557'

19.9'

-11.6'

580'

20.7'

-12.4'

TR.

1.65'

8.15'

1.75'

6.50'

TB4.

1.85'

6.30'

Broward 26/47

DESC.

SAND

84 R-48 RWG 230 P# 1048 (GL 6.33')

10-10-19

35657-2

R-49

RNG + HI - ROD EL

TBM 2.72 9.10' 6.38

170 2.7 6.4'

190 2.3 6.8'

205 2.0 7.1'

209 4.1 5.0'

231 4.6 4.5'

255 7.8 1.3'

270 10.0 -0.9'

279 12.1 -3.0'

302 12.7 -3.6'

321 12.6 -3.5'

345 12.9 -3.8'

369 13.2 -4.1'

393 14.1 -5.0'

418 15.1 -6.0'

442 16.5 -7.4'

462 17.6 -8.5'

483 19.2 -10.1'

510 20.3 -11.2'

T.P. 2.04 9.05' 2.09 7.01'

TBM 2.28 6.77'

1050 6.63

BROWNS

25/165

SH R-49 RNG 170 # 1049

SAND @ HUB

" " "

SAND

SH R-49 RNG 190 # 1050 6.63

10/10/19

35657-2

R-50

RUN.	+	H1	-	R20	RUN.
TOTL	2.25'	9.48'			7.23'
100'				2.2'	7.3'
110'				2.1'	7.4'
120'				1.9'	7.6'
125'				2.0'	7.5'
129'				4.5'	5.0'
145'				4.7'	4.8'
163'				7.1'	2.4'
185'				10.0'	-0.5'
193'				12.7'	-3.2'
214'				12.7'	-3.2'
234'				12.4'	-2.9'
254'				12.7'	-3.2'
274'				13.3'	-3.8'
296'				13.9'	-4.4'
321'				15.1'	-5.6'

Broward

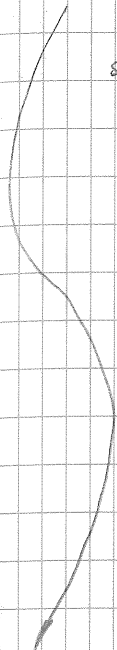
26/48

DESC.

SH R-50 RUG 100' PTA/051

SAND SH

SH.



10/10/19

35657.2

Cont'd P-50

Rdg.

+

H1

-

Rd

Elev.

Rdsc

9.48'

345'

16.0'

-6.5'

SAND

366'

17.3'

-7.8'

391'

18.7'

-9.2'

412'

20.0'

-10.5'

435'

21.1'

-11.6'

T.O.

1.59'

9.41'

1.66'

7.92'

T.M.

1.87'

7.54'

SHA R-50 Rng 120' PT. #1052 (Elev 7.53')

Bumped

26/49

10-10-19

35657-2

R-51

RNG	+	111	-	ROD	R
TBM	1.65	839'			6.74
80				1.6	6.8'
100				2.0	6.4'
115				2.1	6.3'
126				4.4	4.0'
151				4.0	4.4'
176				7.7	0.7'
189				9.3	-0.9'
196				7.3	1.1'
219				11.6	-3.2'
243				11.7	-3.3'
266				12.2	-3.8'
290				12.8	-4.4'
315				13.7	-5.3'
336				14.9	-6.5'
362				16.3	-7.9'
395				17.5	-9.1'
406				18.7	-10.3'
430				19.5	-11.1'
T.P.	171	830'	180		6.59
			1.90		6.70'

1054

6.33

BROWARD

25/100

SH R-51 RNG

H 1053

SAND @ 1 HUB

" " "

SAND

10/16/19

35651-2

R-52

Run	+	N	-	Run	Slow
784	1.45'	8.25'			6.80'
100'				1.3'	7.0'
120'				1.5'	6.8'
131'				1.3'	7.0'
136'				4.3'	4.0'
148'				5.1'	3.2'
166'				4.6'	3.7'
187'				7.4'	0.9'
199'				9.4'	-1.1'
210'				11.0'	-2.7'
230'				11.3'	-3.0'
250'				11.7'	-3.4'
271'				12.6'	-4.3'
291'				13.2'	-4.9'
314'				14.0'	-5.7'
331'				14.9'	-6.6'

Bumped

26/50

DESE

SHA R-52 Run 100' 107.1' 1055

SAND SHA

"

10/10/19

35657-2

Cont. R-52

Rdg.	+	H1	-	RdD	CLW.
------	---	----	---	-----	------

8-25'

357'

16.1' -7.8'

378'

17.3' -9.0'

400'

18.7' -10.4'

424'

19.8' -11.5'

449'

20.9' -12.6'

TR, 1.21' 8.12' 1.34' 6.91'

TBL, 1.52' 6.60'

Beamed

26/51

10552

SAND

SH R-52 Rdg 120 P/F 1056 (CG-6.65')

35657-2

R-53

RNG	+	HI	-	ROD	EL
TBM	2.29	8.43'			G.M.
60				2.3	6.1'
80				2.2	6.2'
86				2.0	6.4'
89				3.9	4.5'
100				4.5	3.9'
118				4.8	3.6'
141				8.0	0.4'
154				9.7	-1.3'
159				10.7	-2.3'
183				11.3	-2.9'
202				11.6	-3.2'
230				12.7	-4.3'
255				13.6	-5.2'
282				14.8	-6.4'
302				16.2	-7.8'
322				17.6	-9.2'
346				18.7	-10.3'
370				20.0	-11.6'
T.P.	1.86	8.34'	1.95		6.48'
TBM			2.14		6.20'

1058 6.23

BLOWN

25/107

SH R-53 RNG

1057

SAND @ HUB

" " "

SAND

SH R-53 RNG 80

1058

6.23

10/10/19

35657-2

R-54

Rdg.	+	HI	-	Rod	Clay
734	2.19'	9.00'			6.81'
50'				2.1'	6.9'
70'				2.6'	6.4'
83'				2.4'	6.6'
85'				4.6'	4.4'
92'				4.9'	4.1'
110'				4.7'	4.3'
128'				7.0'	2.0'
152'				10.1'	-1.1'
158'				11.5'	-2.5'
181'				11.2'	-2.2'
199'				12.3'	-3.3'
224'				13.5'	-4.5'
245'				13.8'	-4.8'
264'				14.4'	-5.4'
284'				15.8'	-6.8'

Braun 26/52

10/10/19

SL R-54 Rng 50' P1059

Sms 54'

4

10/10/19

35657.2

Cant 12-54

Rug.

+

141

-

Rug

Elev.

9.00'

308'

16.9' -7.9'

326'

17.9' -8.9'

353'

19.4' -10.4'

381'

20.7' -11.7'

TP.

2.28'

8.89'

2.39'

6.61'

T.B.

2.52'

6.37'

Broward 26/153

Dose

sand

S.H. 12-54 Rug 70' Pt. # 1060 (Elev. 6.34')

10-10-19

35657-2

BLOWARD

25/
68

RNG	+	R-55	-	ROD	EL
TBM	0.93	7.56'			6.63
50				0.9 7.2	6.7'
70				1.0	6.6'
74				1.3	6.3'
90				4.4	3.2'
110				5.0	2.6'
135				7.4	0.2'
159				8.0	-0.4'
183				9.8	-2.2'
207				10.7	-3.1'
235				11.5	-3.9'
260				12.7	-5.1'
283				14.1	-6.5'
314				15.7	-8.1'
337				17.2	-9.6'
354				18.7	-11.1'
385				19.9	-12.3'
T.P.	0.71	7.50'	0.77		6.79'
TBM			1.00		6.50'

SH R-55 RNG 50 # 1061

SAND @ HUB

" " "

SAND

SH R-55 RNG 70 # 1062

6.43

10/10/19

35657-2

R-56

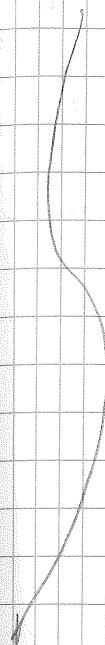
Rel.	+	H1	-	RoD	CLON.
784	1.45'	8.43'			6.98'
80'				1.5'	6.9'
100'				1.6'	6.8'
103'				1.6'	6.8'
106'				4.1'	4.3'
122'				5.2'	3.2'
136'				4.9'	3.5'
156'				2.8'	0.6'
167'				2.3'	-0.9'
187'				2.8'	-1.4'
211'				10.6'	-2.2'
234'				11.7'	-3.3'
253'				12.2'	-3.8'
278'				13.2'	-4.8'
302'				14.3'	-5.9'
320'				15.4'	-7.0'

Braun 26/54

DISE

SH R-56 RUG 80' RJA 1063

8 AND SH



10/10/19

35657-2

Cont. R56

Rug.

+

H1

-

R20

R20

8.43'

339'

16.5'

-8.1'

361'

17.9'

-9.5'

383'

19.2' -10.8'

407'

20.5' -12.1'

TP.

1.28'

8.37'

1.34'

7.09'

Tall.

1.58'

6.79'

Prouser 26/55

R20

R20

R20

R20

R20

R20

R20

R20

10-10-19

35657-2

R-57

RNG	+	H1	-	ROD	EL
TBM	1.85	8.03'			6.18
90				1.9	6.1'
110				1.4	6.6'
117				1.4	6.6'
121				3.8	4.2'
142				4.7	3.3'
164				7.1	0.9'
187				9.5	-1.5'
212				10.4	-2.4'
236				11.4	-3.4'
260				12.0	-4.0'
284				13.0	-5.0'
309				14.2	-6.2'
332				15.6	-7.6'
357				16.9	-8.9'
377				18.0	-10.0'
393				19.1	-11.1'
T.P.	1.07	7.97'	1.13		6.90'
T.BM			1.27		6.70'

1068 6.57

25/
Browns 1/69

514 R-57 RNG # 1067

SAND @ HUB

" " "

SAND

514 R-57 RNG 110 # 1068

6.57

10/10/69

35657-2

R-58

Reg.	+	1M	-	Red	Elev.
T.M.	1.65	8.52			6.87
75				1.6	6.9
90				1.3	7.2
94				1.2	7.3
97				4.0	4.5
107				4.9	3.6
122				4.5	4.0
142				7.4	1.1
154				9.8	-1.3
172				10.4	-1.9
191				16.8	-2.3
218				12.0	-3.5
241				12.5	-4.0
259				13.3	-4.8
280				14.3	-5.8
304				15.9	-7.4

Bamnap 26/56

R-58

Sta. R-58 / Pkgs 75' Pkgs 1069

SAND STA



10/10/19

35657-2

Cont. R 58

Relg.	+	H1	-	Rad	Slav
-------	---	----	---	-----	------

8.52'

327'

17.3' - 8.8'

349'

18.7' - 10.2'

372'

20.1' - 11.6'

Tpa

1.00'

8.41'

1.11'

7.41'

Tav.

1.19'

7.22'

Broward 26/57

DECE.

Sand

21. R-58 R-4.90' P#1070 (at 7.24')

10-10-19

35657-2

R-59

RNG + 111 - ROD EL

TBM 1072 8.33' 66'

45 1.7 6.6'

65 2.0 6.3'

70 1.8 6.5'

74 4.0 4.3'

94 4.0 4.3'

105 4.6 3.7'

130 8.1 0.2'

144 9.9 -1.6'

164 10.9 -2.6'

192 11.6 -3.3'

214 12.8 -4.5'

235 13.5 -5.2'

256 14.4 -6.1'

277 15.5 -7.2'

300 16.6 -8.3'

319 17.7 -9.4'

335 18.7 -10.4'

T.P. 1.74 8.24' 1.83 5.50'

TBM 1.86 6.38'

1072

1070 6.36

BLOWARD

25/
70

SH R-59 RNG 45 RT # 1071

SAND @ HUB

" " "

SAND

SH R-59 RNG 65 # 1072 6.36

10/10/19

35657-2

R-60

RNG.	+	H1	-	Red	CLON.
7611	1.10'	7.21'			6.11'
85				1.1'	6.1'
105'				1.2'	6.0'
109'				1.2'	6.0'
111'				2.7'	4.5'
119'				3.8'	3.4'
142'				4.0'	3.2'
163'				6.4'	0.8'
186'				8.9'	-1.7'
207'				9.3'	-2.1'
230'				10.6'	-3.4'
254'				11.6'	-4.4'
280'				12.6'	-5.4'
305'				13.9'	-6.7'
328'				15.3'	-8.1'
353'				16.9'	-9.7'

Brouard

26/58

DESS

SH. R-60 RNG. 85' PAF 1073

SAND SH

4

10/10/19

25657-2

Cont. R-60

Perf.

+

H1

-

Red

GLOW

7.21"

378'

18.4' - 11.2'

398'

19.5' - 12.3'

419'

20.2' - 13.0'

TR.

0.92'

7.03'

1.00'

6.21'

TSH

1.02'

6.01'

Broward 26/89

Dist.

SAND

{

/

SH. R-60 PLG 105 PT#1074 (Q= 5.99')

10-10-19

35657-2

RNG	+	R-61 H1	-	ROD	EX
TBM	1.10	8.54'			7.44
105				1.1	7.4'
125				1.3	7.2'
132				1.5	7.0'
141				4.9	3.6'
160				4.8	3.7'
168				4.7	3.8'
191				8.1	0.4'
215				10.6	-2.1'
232				11.2	-2.7'
265				12.3	-3.8'
289				13.0	-4.5'
312				14.0	-5.5'
332				15.0	-6.5'
357				16.6	-8.1'
380				18.3	-9.8'
405				19.6	-11.1'
T.P.	1.06	8.44'	1.16		7.38'
TBM			1.16		7.28'

1076

7.24

BLOWN

25/71

SH R-61 RNG 105 # 1075

SAND @ HUB

SAND

SH R-61 RNG 125 # 1076

7.24

10/10/19

35657.2

R.62

Rw.	+	H1	-	Rw	BLV
784	2.66'	7.44'			5.38'
200'				2.0'	5.4'
220'				1.2'	6.2'
227'				1.0'	6.4'
231'				3.1'	4.3'
247'				3.6'	3.8'
260'				4.6'	3.4'
282'				7.1'	0.3'
296'				9.2'	-1.8'
314'				9.8'	-2.4'
335'				10.4'	-3.0'
357'				11.6'	-4.2'
379'				12.2'	-4.8'
400'				13.0'	-5.6'
422'				14.4'	-7.0'

Blowrod

26/60

RWS

SH. R.62 R.W. 200 P1# 1077

SAND SH

L

10/14/19

35657-2

Cont. R-62

Peg.		H1	-	R60	ELW.
------	--	----	---	-----	------

7.44'

446'				15.5'	-8.1
------	--	--	--	-------	------

471'				16.8'	-9.4
------	--	--	--	-------	------

489'				18.0'	-10.6
------	--	--	--	-------	-------

512'				19.4'	-12.0
------	--	--	--	-------	-------

534'				20.3'	-12.9
------	--	--	--	-------	-------

TP.	0.82'	7.25'	1.01'		6.43'
-----	-------	-------	-------	--	-------

TM.			1.01'		6.24'
-----	--	--	-------	--	-------

Revised

26/61

R60

SAND

SH. R-62 PEG 220 PA 1078 (L=6.24')

10-10-19

35657-2

R-63

RNG	+	H1	-	ROD	EL
	1.87	8.00'			6.13
95				1.9	6.1'
115				1.4	6.6'
119				1.3	6.7'
124				3.7	4.3'
142				4.4	3.6'
155				4.7	3.3'
172				6.6	1.4'
192				9.5	-1.5'
213				9.5	-1.5'
240				11.6	-3.6'
265				12.5	-4.5'
292				15.5	-7.5'
316				14.7	-6.7'
347				16.7	-8.7'
370				18.1	-10.1'
395				19.5	-11.5'
T.P.	1.00	7.92'	1.08		6.92'
TBM			1.23		6.69'

1080

664

BROWARD

25/77

SH R-63 RNG 95 # 1079

SAND @ HUB

" " "

SAND



SH R-63 RNG 115 # 1080 6.64

10/10/19

35657-2

R-64

Run.	+	HI	-	Rad	Elev.
Top	5.22'	9.07'			6.85'
65'				2.2'	6.9'
85'				1.9'	7.2'
87'				1.8'	7.3'
92'				4.5'	4.6'
100'				4.9'	4.2'
114'				4.9'	4.2'
129'				6.7'	2.4'
148'				9.8'	-0.7'
158'				11.1'	-2.0'
178'				11.7'	-2.6'
193'				11.7'	-2.6'
213'				12.8'	-3.7'
233'				13.6'	-4.5'
255'				14.2'	-5.1'
274'				15.1'	-6.0'

Broward 26/62

12550

Sta. R-64 Run 65' p.p. 1081

20000 Sta.

4

10/20/69

35657-2

Conty. R-64

Rth.

+

H1

-

Rth

Elev.

9.07'

295'

16.1' - 7.0'

309'

17.2' - 8.1'

333'

18.4' - 9.3'

350'

19.5' - 10.4'

370'

20.4' - 11.3'

TP.

1.51'

8.93'

1.65'

7.42'

TCM

1.76'

7.17'

Broward 26/63

DSEC

SAND

SA R-64 Aug. 85. STA 1082 (50-7.23')

10-10-19

35657-2

R-65

RNG	+	H1	-	R00	EL
TBM	1.28	7.60'			6.32
70				1.3	6.3'
90				0.8	6.8'
92				0.7	6.9'
96				3.2	4.4'
115				3.3	4.3'
130				6.1	1.5'
154				9.5	-1.9'
177				8.9	-1.3'
203				10.1	-2.5'
229				11.0	-3.4'
249				11.7	-4.1'
275				12.5	-4.9'
290				14.5	-6.9'
310				14.6	-7.0'
335				15.9	-8.3'
360				17.1	-9.5'
383				18.5	-10.9'
T.P.	0.33	7.51'	0.42		7.18'
TBM		7.56	0.71		6.85 6.80'

1084

6.85

BROWARD

25/78

SH R-65 RNG 70 # 1083

SAND @ HUB

" " "

SAND

SH R-65 RNG 90 # 1084

6.85

10/10/19

35657-2

R-66

RNG.	+	H1	-	RND	SWV.
724	1.89'	8.43'			6.54'
55'				1.9'	6.5'
75'				1.5'	6.9'
79'				4.0'	4.4'
86'				4.7'	3.7'
103'				4.3'	4.1'
120'				6.5'	1.9'
137'				9.4'	-1.0'
145'				11.0'	-2.6'
162'				11.0'	-2.6'
180'				11.0'	-2.6'
199'				12.0'	-3.6'
220'				12.5'	-4.1'
240'				13.1'	-4.7'
267'				14.0'	-5.6'

Broomfield

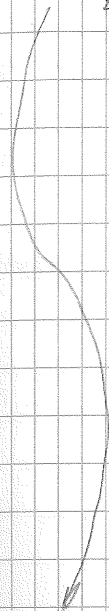
26/64

DESS.

SH R-66 RNG. 55' PT. 1085

SAND SH

4



10/10/19

35657-2

Const. R. 66

R. 66

+

H1

-

R. 66

E. 66

8.43

284'

15.0'

-6.6'

306'

16.3'

-7.9'

331'

17.8'

-9.4'

351'

19.2'

-10.8'

371'

20.2'

-11.8'

TP.

1.13'

8.32'

1.24'

7.19'

Ten.

1.38'

6.94'

BRUNNEN

26/65

D. 66

SAND

SH. R. 66 R. 66.75 P. 1086 (SL = 6.94')

10-10-19

35657-2

R-67

RNG	+	H1	-	ROD	EL
TBM	1.06	7.32			6.26
70				1.1	6.2'
90				0.4	6.9'
96				0.3	7.0'
98				1.9	5.4'
119				4.7	2.6
141				7.3	0.0'
162				10.7	-3.4'
183				11.1	-3.8'
208				11.7	-4.4'
232				10.9	-3.6'
259				11.7	-4.4'
282				12.4	-5.1'
305				13.8	-6.5'
330				14.8	-7.5'
345				15.7	-8.4'
368				17.3	-10.0'
385				18.6	-11.3'
TR	0.15	7.24	0.23		7.09'
TBM			0.36		6.38'

1089 6-87

BROWARD

25/79

SH R-67 RNG 70 # 1087

SAND @ 1 AUG

11 " "

SAND

SH R-67 RNG 90 # 1088

6.87

10/14/19

35657-2

R-68

Ang.	+	H1	-	ROD	CLIM
TEM.	1.05'	7.86'			6.81'
205'				1.0'	6.9'
225'				0.7'	7.2'
235'				0.7'	7.2'
237'				2.1'	5.8'
247'				3.4'	4.5'
267'				6.4'	1.5'
287'				9.5'	-1.6'
296'				11.6'	-3.7'
315'				12.0'	-4.1'
334'				12.0'	-4.1'
350'				12.1'	-4.2'
369'				11.5'	-3.6'
391'				11.1'	-3.2'
411'				12.0'	-4.1'

Broward

26/66

DESC.

SA R-68 ANG. 205' RT 1089

STAND ST.

4

10/10/19

35657-2

Cont. R-68

Pkg.

+

H1

-

Rad

Elev.

7.86'

432'

12.5'

-4.6'

453'

13.3'

-5.4'

473'

14.6'

-6.7'

493'

15.7'

-7.8'

514'

16.8'

-8.9'

535'

18.0'

-10.1'

558'

19.3'

-11.4'

578'

20.2'

-12.3'

TP

0.37'

7.76'

6.47'

7.39'

TBL

0.69'

7.08'

Bamboo

26/67

Desc.

SAND



S4 R-68 Pkg. 225- PT. 1090 (Elev 7.12')

10-10-19

35657-2

R-69

RNG	+	H1	-	ROD	E
TBM	0.70	7.45'			6.75
195				0.7	6.8'
215				0.4	7.1'
218				0.4	7.1'
220				2.1	5.4'
244				4.8	2.7'
264				7.9	-0.4'
280				9.4	-1.9'
285				10.2	-2.7'
303				11.7	-4.2'
324				11.9	-4.4'
345				12.3	-4.8'
364				10.5	-3.0'
384				10.7	-3.2'
408				10.7	-3.2'
438				12.7	-5.2'
460				14.0	-6.5'
482				15.1	-7.6'
502				16.6	-9.1'

1092 704

BRAUN

25/80

SH R-69 RNG 195 # 1091

SAND @ HUB

" " "

SAND

10-10-19

35657-2

Broward

25/91

RNG

+

R-69

111

-

R0A

EL

7.45'

532

17.8

-10.3'

SAND

555

19.1

-11.6'

"

T.P.

0.14

7.36'

0.23

7.22'

TBM

0.36

7.00'

SN R-69

RNL 215

#1092

7.04

10/16/19

35657-2

R70

Run	+	HI	-	ROD	EWV
TEN.	2.08'	8.97'			6.89'
70'				2.1'	6.9'
90'				1.8'	7.2'
107'				2.3'	6.7'
126'				2.4'	6.6'
132'				3.8'	5.2'
142'				4.9'	4.1'
165'				2.9'	1.1'
187'				10.8'	-1.8'
195'				12.4'	-3.4'
213'				13.4'	-4.4'
233'				13.8'	-4.8'
255'				14.3'	-5.3'
276'				14.3'	-5.3'
297'				13.5'	-4.5'
316'				12.8'	-3.8'

BROWN

26/68

DESC

SH. R 70 Run. 70' PT# 1098

SAND SH

4

10/10/19

35657-2

Cont R-70

RNG.

+

141

-

Red

GLYX.

8.97'

338'

13.0'

-4.0'

361'

13.9'

-4.9'

382'

14.8'

-5.8'

401'

16.1'

-7.1'

425'

17.5'

-8.5'

450'

19.1'

-10.1'

476'

20.6'

-11.6'

TP.

1.60

8.86'

1.71'

2.26'

TMA

1.81'

7.05'

Browsep

26/19

DESE

SAND

SIL R-70 RNG. 90' P#1094 (LLC 7.07')

10-10-19

35657-2

R-71

RNG	+	H1	-	ROD	EL
	0.91	7.72		1	6.81

160

180

195

203

224

248

256

280

306

332

358

363

385

405

429

451

476

496

525

0.4

0.7

2.4

6.0

9.8

14.4

12.3

12.9

13.4

12.8

12.1

11.5

11.8

12.7

13.8

15.0

16.0

17.7

7.3'

7.0'

5.3'

1.7'

-2.1'

-3.7'

-4.6'

-5.2'

-5.7'

-5.1'

-4.4'

-3.8'

-4.1'

-5.0'

-6.1'

-7.3'

-8.3'

-10.0'

7:30 180'

BLOWN

25/83

SIL, R-71 RNG 160

1095

SAND @ HUB

SAND @ HUB

10-10-19

35657-2

R-71

RNG

+

141

-

R00

1E1

7.72'

550

18.8 -11.1'

TIP

0.16

7.64'

0.24

7.48'

TBM

0.37

7.27'

54 R-71 LNK 180

1096

7.30

BROWARD

25/84

10/10/19

35657-2

R-72

RNG.	+	141	-	Rad	BLVD.
TEN.	2.58'	9.54'			6.96'
115'				2.6'	6.9'
135'				2.2'	7.3'
150'				2.2'	7.3'
163'				4.0'	5.5'
175'				4.8'	4.7'
196'				7.4'	2.1'
215'				10.4'	-0.9'
225'				11.3'	-1.8'
235'				13.2'	-3.7'
253'				14.0'	-4.5'
271'				14.5'	-5.0'
291'				14.7'	-5.2'
311'				14.9'	-5.4'
329'				14.4'	-4.9'
348'				14.6'	-5.1'
369'				13.3'	-3.8'
392'				13.8'	-4.3'

BROWARD

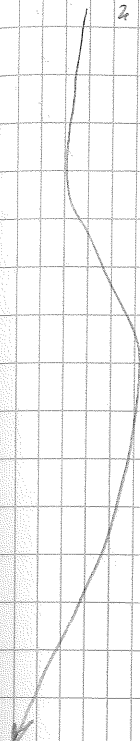
26/70

R-72

Sta R-72 R-6. 115' R-1097

Slope Sta.

2



10/10/19

35657-2

Cont. R-72

Rise

+

H1

-

Rao

LUNA

9.54'

415'

15.0'

-5.5'

440'

16.6'

-7.1'

465'

17.9'

-8.4'

483'

19.0'

-9.5'

506'

20.3'

-10.8'

Tp.

1.90'

9.43'

2.01'

7.53'

TBM.

2.24'

7.19'

Bumped

26/71

PAGE

STAND

SH R-72 R-135' R-1098

(BL=7.16')

10-10-19

35657-2

R-73

RNG	+	HI	-	ROD	EL
TBM	1.03	7.91'			6.88
80				1.1	6.8'
100				0.9	7.0'
110				1.0	6.9'
133				4.7	3.2'
156				8.2	-0.3'
170				10.0	-2.1'
174				11.4	-3.5'
202				12.2	-4.3'
225				12.7	-4.8'
252				13.3	-5.4'
270				12.8	-4.9'
292				11.8	-3.9'
324				11.6	-3.7'
343				12.5	-4.6'
365				13.8	-5.9'
390				14.8	-6.9'
420				16.2	-8.3'

1100 6.90

BLOWN

25/85

SH R-73 RNC 80 # 1099

SAND @ 1100

" " "

SAND



10-10-19

35657-2

R-73

RNG

+

H1

-

R00

E1

7.91'

438

17.6

-9.7'

SLAM

450

19.0

-11.1'

T.R.

0.61

7.83'

0.69

7.22'

0.76

~~6.97~~

7.07

SH

R-73

RNG 100

1100

G.99

BROWARD

25/86

10/10/19

35657-2

R-74

Run	+	M1	-	Run	Elev.
TBM	0.90'	8.81'			7.91'
120'				0.9'	7.9'
132'				0.9'	7.9'
140'				1.8'	7.0'
160'				3.5'	5.3'
173'				4.7'	4.1'
195'				8.2'	0.6'
215'				10.6'	-1.8'
225'				12.6'	-3.8'
250'				13.0'	-4.2'
270'				13.1'	-4.3'
295'				13.8'	-5.0'
316'				14.0'	-5.2'
338'				13.8'	-5.0'
359'				13.7'	-4.9'
381'				13.1'	-4.3'
400'				13.1'	-4.3'
420'				13.7'	-4.9'
446'				14.6'	-5.8'
460'				16.2'	-7.4'
478'				17.0'	-8.2'
494'				18.1'	-9.3'
TP	1.46'	8.65'	1.62'		7.19'
TBM			1.70'		6.95'

Blanco

26/72

DISE

SHA R-74 R/W 120' PT# 1101

SAND SH

SH

SHA R-74 R/W 140' PT# 1102 (EL = 6.88')

10-10-19

35652-2

R-75

RNG	t	H1	-	ROD	Σ
TBM	1.20	8.96'			7.76
95				1.2	7.8'
115				1.7	7.3'
130				1.9	7.1'
159				1.9	7.1'
175				4.4	4.6'
202				7.1	1.9'
228				10.5	-1.5'
236				12.4	-3.4'
264				14.0	-5.0'
275				12.0	-3.0'
298				11.5	-2.5'
325				12.1	-3.1'
357				13.0	-4.0'
374				13.7	-4.7'
398				14.6	-5.6'
419				15.6	-6.6'

7.32

BROWARD

25/
87

SIT R-75 RNG 95 # 1103

SAND (D) HUB

L H F

SAND



10-10-19

35657-2

R-75

RNG + HI - ROD @

8.96'

448

16.8 -7.8'

SAND

476

18.3 -9.3'

S

498

19.6 -10.6'

S

TIR 1.34 8.88' 1.42

7.54'

TBM

1.63

7.25'

SH R-TS AVG HS # H04 7.32

10/10/19

35657-2

R-76

Run	+	H1	-	R20	GLW
TBM	0.88	8.37			7.49
145'				.8	7.6'
165'				1.3	7.1'
186				1.4	7.0'
192				3.0	5.4'
207				4.6	3.8'
230				7.7	0.7'
249				10.4	-2.0'
261				12.7	-4.3'
281				13.0	-4.6'
301				13.6	-5.2'
314				14.1	-5.7'
337				12.1	-3.7'
357				11.6	-3.2'
376'				12.0	-3.6'
395'				12.9'	-4.5'
414'				13.7'	-5.3'
434'				14.1'	-5.7'
446'				15.4'	-7.0'
470'				16.6'	-8.2'
491'				18.0'	-9.6'
513'				19.2	-10.8'
TP	0.93	8.18	1.12		7.25
TBM			1.19		6.99

6.99

Brownard

26/13

R20

SIL R-76 RING 145' PT# 1105

SAND SW

W

SIL R-76 RING 145' PT# 1106 (GL=6.99')

10-10-19

35657-2

R-77

RNG	+	H1	-	ROD	EL
TBM	0.72	8.31'			7.59
190				0.7	7.6'
210				0.7	7.6'
215				1.2	7.1'
226				2.8	5.5'
240				3.5	4.8'
260				6.1	2.2'
280				8.0	-0.7'
290				10.2	-1.9'
299				12.3	-4.0'
306				12.9	-4.6'
332				12.5	-4.2'
356				12.6	-4.3'
381				11.3	-3.0'
407				11.8	-3.5'
427				13.1	-4.8'
466				14.0	-5.7'

1103

2.54

BROWARD

25/89

SUN R-77 RNG 190 # 1107

SAND @ 1103

" " "

SAND

10-10-19

35657-2

BROWARD

25/90

R-77

RNG + H1 - ROD EL

8.31'

489

15.3

-7.0'

SAND

509

17.1

-8.8'

550

18.8

-10.5'

T.P.

0.52

8.22'

0.61

7.70'

TBM

0.68

7.54'

SH R-77 RNG 210 # 1108

10/10/19

35657-2

R-78

RNG.	+	H1	-	RECD	ELCV
TM	1.86'	8.91'			7.05'
185'				1.9'	7.0'
205'				1.6'	7.3'
210'				1.8'	7.1'
219'				3.3'	5.6'
241'				5.7'	3.2'
264'				9.3'	-0.4'
279'				11.0'	-2.1'
287'				13.2'	-4.3'
309'				13.3'	-4.4'
328'				13.7'	-4.8'
348'				14.1'	-5.2'
361'				14.1'	-5.2'
386'				14.0'	-5.1'
405'				13.0'	-4.1'
421'				13.7'	-3.8'
446'				13.4'	-4.5'
461'				14.7'	-5.8'
478'				15.4'	-6.5'
500'				16.6'	-7.7'
523'				18.1'	-9.2'
540'				19.0'	-10.1'
558'				20.2'	-11.3'
TP	1.23'	8.78'	1.36'		7.55'
TM			7.55'		7.23'

BROWSED

26/74

DESR

'SR R-78 RNG 185' PT 11/109

BRAND SH.

SR R-78 RNG 205' PT 1110 (EL = 7.25')

10-28-19

35657-2

D. VOITLOBEK

OLSEN + ASSOCIATES

M. BARKER

BEACH PROFILES WATER PORTION

D. TITUS

R-81 TO R-85 & RETURN R-79

C. HARTENAU

R-79

RNG	+	HL	-	ROD	EL
TBM	2.43	8.58			6.15
350				2.4	6.2
370				2.3	6.3
390				2.2	6.4
412				5.4	3.2
434				8.1	0.5
457				11.1	-2.5
479				12.4	-3.8
504				13.0	-4.4
530				13.4	-4.8
554				13.6	-5.0
576				13.9	-5.3
598				13.8	-5.2
620				13.7	-5.1
643				13.7	-5.1
664				14.3	-5.7

1112

6.09

BROWNS

27 / 11

SA R-79 RNG

1111

SAND @ 1113

" " "

SAND

10-28-19

35657-2

R-79 CONT

RNG	+	H1	-	R00	E
		8.58			
685				17.0	-8.4
705				18.6	-10.0
729				19.8	-11.2
749				20.6	-12.0
T.P.	1.62	8.38	1.82		6.76
TBM			2.27		6.11

8.58

17.0 -8.4

18.6 -10.0

19.8 -11.2

20.6 -12.0

1.62 8.38 1.82 6.76

2.27 6.11

BROWARD

251/172

SH R-79 RNG 370 # 1112 C-09

10/10/19

356572

R-80

Point	+	N1	-	R-80	ELM
TBM	1.69'	7.67'			5.98'
300'				1.7'	6.0'
310'				1.5'	6.2'
320'				1.1'	6.6'
335'				0.6'	7.1'
343'				2.2'	5.5'
364'				4.1'	3.6'
387'				7.5'	0.2'
404'				9.7'	-2.0'
413'				11.8'	-4.1'
434'				12.2'	-4.5'
451'				12.5'	-4.8'
471'				12.9'	-5.2'
487'				12.7'	-5.0'
508'				12.2'	-4.5'
531'				12.2'	-4.5'
550'				12.9'	-5.2'
562'				13.7'	-6.0'
589'				15.1'	-7.4'
610'				16.4'	-8.7'
630'				17.4'	-9.7'
TP	2.29'	8.96'	1.00'		6.67'
TRM			2.44'		6.52'

6.49'

BROWARD

26/75

R-80

SH R-80 Rng. 340' PT. #1113

R-80 SH

SH

SH R-80 Rng. 320' PT. #1114 (ELC 6.49')

10-28-19

35657-2

R-81

RNG	+	HI	-	200	EL
TBM	2.63	9.07			6.44
290				2.6	6.5
310				2.4	6.7
333				2.0	7.1
350				4.5	4.6
371				6.0	3.1
394				9.1	0.0
414			11.7	7.7	-2.6
436				13.4	-4.3
459				12.3	-3.2
481				12.1	-3.0
505				12.6	-3.5
528				13.5	-4.4
552				13.8	-4.7
572				16.0	-6.9
594				16.9	-7.8
616				17.8	-8.7
638				18.8	-9.7
659				20.1	-11.0
T.P.	2.18	9.30	1.95		7.12
TBM			272		6.58

5015 310 6.57

BROWARD

271
13

SH R-81 ANG 290 # 5014

SAND @ HUB

" " "

SAND

SH R-81 ANG 310 # 5015 6.57

10-28-19

35652-2

R-81.3

RNG	+	111	-	ROD	EL
TBM	2.48	8.28			5.80
270				2.4	5.9
290				1.8	6.5
309				1.7	6.6
323				3.2	5.1
344				6.6	1.7
363				9.0	-0.7
384				11.4	-3.1
404				10.8	-2.5
428				10.9	-2.6
449				11.6	-3.3
474				12.4	-4.1
498				13.3	-5.0
524				14.4	-6.1
542				15.2	-6.9
562				16.3	-8.0
584				17.9	-9.6
605				19.5	-11.2
628				20.8	-12.5
T.P.	1.58	8.45	1.41		6.87
TBM.			2.01		6.44

5017 290 6.40

BROWNE

22/11

SH R-81.3 RNG 270 # 5016

SAND @ HUB

" " "

SAND

SH R-81.3 RNG 290 # 5017

6.40

10-28-19

35657-2

R-81.7

RNC	+	H1	-	ROD	EL
TBM	2.34	7.39			5.03
335				2.3	5.1
355				1.7	5.7
377				2.0	5.4
395				4.8	2.6
416				7.6	-0.2
435				10.4	-3.0
457				11.3	-3.9
480				11.7	-4.3
502				12.3	-4.9
527				12.9	-5.5
552				13.3	-5.9
572				13.3	-5.9
594				13.6	-6.2
617				15.4	-8.0
638				17.0	-9.6
662				18.7	-11.3
682				19.9	-12.5
TP.	1.12	7.18	1.33		6.06
			1.50		5.08

5019 355 5.78

BROWARD

277

15

SH R-81.7 RNC 335 # 5018

SAND @ HUB

" " "

SAND

SH R-81.7 RNC 355 # 5019

5.79

10-28-19

35657-2

R-82

RNG	+	141	-	ROD	EL
TBM	1.50	7.96			6.46
335				1.5	6.5
355				1.4	6.6
372				1.4	6.6
392				3.5	4.5
410				4.6	3.4
428				6.4	1.6
448				8.9	-0.9
470				11.2	-3.2
495				11.8	-3.8
520				12.0	-4.0
542				12.1	-4.1
566				12.6	-4.6
590				14.3	-6.3
614				16.0	-8.0
634				16.9	-8.9
657				18.2	-10.2
685				19.7	-11.7
T.P.	0.98	7.84	1.10		6.86
TBM			1.41		6.43

5021 - 355 6.44

350WARD

27/16

SH R-82 RNG 335 # 5020

SAND @ HVB

" " "

SAND

SH R-82 RNG 355 # 5021 6.44

10-28-19

35657-2

R-823

RNG	T	H1	-	R00	E
TBM	1.04	7.86			6.82
340				1.0	6.9
360				1.3	6.6
381				1.2	6.7
398				2.5	5.4
400				4.2	3.7
417				6.2	1.7
437				8.4	-0.5
459				10.3	-2.4
482				11.2	-3.3
503				11.3	-3.4
527				12.1	-4.2
552				13.1	-5.2
579				13.6	-5.7
607				14.8	-6.9
627				16.4	-8.5
647				18.0	-10.1
670				19.3	-11.4
690				20.1	-12.2
T.P.	0.44	7.31	0.99		6.87
			0.82		6.49

#5023 360 6.49

BROWN

271

117

SN R-82.3 RNG 340 #5022

SAND @ 11.8

" " "

SAND

SN A-82.3 RNG 360 #5023

6.49

10-28-19

35257-2

R-82.7

RNG	+	HL	-	ROD	E
TBM	1.04	7.50			6.46
340				1.0	6.5
360				0.8	6.7
376				0.9	6.6
390				2.6	4.9
409				5.0	2.5
431				7.1	0.4
453				8.2	-0.7
477				8.5	-1.0
501				9.5	-2.0
523				10.9	-3.4
548				12.1	-4.6
573				13.6	-6.1
597				15.2	-7.7
616				16.2	-8.7
635				17.2	-9.7
655				18.4	-10.9
674				19.5	-12.0
T.A.	0.27	7.44	0.33		7.17
			0.71		6.73

5025 360 6.77

BROWARD

27/18

SH R-82.7 RNG 340 # 5024

SAND (W) 11.0

" " "

SAND

SH R- 82.7 RNG 360 # 5025 677

10-28-19

35657-2

R-83.7

RNG	+	H1	-	R00	Q
TBM	213	10.50			8.37
580				2.1	8.4
600				1.8	8.7
623				1.7	8.8
646				4.4	6.1
664				6.9	3.6
685				7.9	2.6
706				9.7	0.8
728				12.0	-1.5
752				13.8	-3.3
778				15.4	-4.9
804				17.0	-6.5
824				18.4	-7.9
851				19.5	-9.0
870				20.2	-9.7
891				21.2	-10.7
910				22.1	-11.6

T.P. 1.75 10.83 1.42 9.08
T.B.M. 213 8.70

5031 620 8.69

BAND-111

22/
21

SH R-83.7 RNG 580 # 5030

SAND @ 114B

" " "

SAND

SH R-83.7 RNG 600 # 5031 8.69

10-28-19

35657-2

2.84

RNG + 141 - R04 EL

TBM 2.87 10.26 739

305 2.9 7.4

325 2.5 7.8

343 2.7 7.6

365 4.6 5.7

390 2.1 3.2

417 9.4 0.9

442 12.0 -1.7

467 14.2 -3.9

493 16.0 -5.7

520 17.6 -7.3

536 18.4 -8.1

552 19.1 -8.8

573 19.9 -9.6

590 20.5 -10.2

606 21.0 -10.7

622 21.2 -10.9

T.P. 265 10.81 2.10 8.16

TBM 3.07 7.74

5033 325 7.68

220000

22/22

SN R-84 ANG 305 # 5032

SAND (HND

" " "

SAND

ROCK

SN R-84 ANG 325 # 5033 768

10-28-19

35657-2

R-85

RNG	+	141	-	ROD	EL
TBM	2.14	2.74			5.60
120				2.6	5.1
131				2.2	5.5
135				3.2	4.5
151				5.2	2.5
173				8.6	-0.9
189				10.4	-2.7
193				11.3	-3.6
212				11.8	-4.1
231				12.2	-4.5
260				12.5	-4.8
285				12.7	-5.0
309				12.9	-5.2
333				13.0	-5.3
358				13.2	-5.5
383				13.2	-5.5
408				13.1	-5.4
415				13.1	-5.4
435				13.2	-5.5
462				13.3	-5.6
487				13.1	-5.4

5039 135 3.8.0 BROWN

22/25

SN R-85 RNG 131 # 5039

GB

TBM

TMS VEL

SAND

10-28-19

35057-2

R-85 CONT.

RNG + HI - ROD EL

7.74

512 12.8 -5.1

536 12.3 -4.6

562 12.7 -5.0

588 13.4 -5.7

614 14.5 -6.8

636 15.9 -8.2

660 22.0 -14.3

T.P. 2.83 2.38 3.19 4.5

TBM 3.61 3.27

HOWARD

27/
26

SAND

SHR-85 RNG 135 # 5039 3.80

M-4-19 35657-2

P. Voute (GUSEN) POOF-DORIAN PROFILES

R.AMB. J.Wa R-85.7

Fig	+	HI	-	POO	EM
BM	0.56	7.76			7.00
10				0.5	7.3
25				2.2	5.6
36				2.6	5.2
59				5.6	2.2
83				8.0	-0.2
106				9.4	-1.6
130				9.7	-1.9
156				10.1	-2.3
176				10.0	-2.2
184				6.4	+1.4
191				3.4	+4.4
197				4.2	+3.6
204				6.2	+1.6
212				13.2	-5.4
234				14.5	-6.7
253				15.2	-7.4
274				15.9	-8.1
295				16.3	-8.5
319				16.6	-8.8
TP	2.62	7.65	2.73		5.03
BM			2.08		5.57

Bro GG 29

S# 5302 NS 10

GG @ LATA

" "

VEG

SAND

TOE BOULDERS

TOP

"

"

"

"

"

"

"

TOE

"

S# 5303 25' (5.55)

11-4-19

35657-2

R-86

RNG	+	AI	-	POO	CE
BM	2.32	7.87			5.55
39				2.3	5.6
40				4.2	3.7
65				8.2	-0.3
86				9.9	-2.0
113				10.2	-2.3
137				10.7	-2.8
166				11.6	-3.7
196				13.1	-5.2
219				14.5	-6.6
242				15.3	-7.4
265				16.2	-8.3
TP	0.34	7.90	0.31		7.56
BM			0.71		7.19

300 66/30

DESC

ST# 5303 WINGS 25'

TOP OF WALL

SNO @ WALL



ST# 5302 RNG 10 (7.20')

RNG 29 ELEV 8.2 @ FENCE

ROCKS

H-4-19

35657-2

R-86.3

NOG	+	AI	-	ROD	EL
BM	0.95	8.86			7.91
95				0.9	8.0
105				1.7	8.2
119				2.5	6.4
140				6.3	2.6
160				8.9	0.0
173				10.6	-1.7
196				11.3	-2.4
217				11.6	-2.7
243				12.4	-3.5
274				13.4	-4.5
297				14.8	-5.9
320				15.8	-6.9
340				16.6	-7.7
TP	3.01	8.78	3.09		5.77
BM			1.54		7.24

DESC

SH # 5309 RJS 95

VEG @ LARA

SAND "



SH # 5310 RJS 105 (7.26)

11-4-19

35657-2

B2066/33

R-86.5

LOG	+	HI	-	POD	BL
BM	2.90	6.97			3.87
101				2.7	1.1
106				3.3	3.5
122				4.6	2.2
142				6.7	0.1
159				8.7	-1.9
179				9.3	-2.5
202				9.8	-3.0
224				9.8	-3.0
248				9.7	-2.9
270				9.9	-3.1
292				10.7	-3.9
314				11.1	-4.3
318				9.2	-2.4
TP	4.16	7.84	3.29		3.48
BM			4.35		3.29

DESC.

SH # 5311 RG 101

SNO @ LATH

ROCK

TOE ROCK BOUNDRS

SH # 5312 RG 106 (3.23)

11-4-19

35657-2

R-86.7

NO	+	HI	-	ROD	EL
BM	3.05	7.18			4.13
58				2.6	4.6
63				3.6	3.6
82				5.5	1.7
102				7.7	-0.5
125				8.9	-1.7
150				10.3	-3.1
180				10.0	-2.8
205				10.8	-3.6
230				11.7	-4.5
250				12.4	-5.2
275				13.3	-6.1
297				14.3	-7.1
320				14.8	-7.6
340				15.2	-8.4
TP	4.25	7.70	3.73		3.45
BM			4.33		3.37

B7066/32

DESC

S# 5313 RIG 58

SAND @ LATA

ROCKS

S# 5214 RIG 63 (3.35)

H-4-19

35657-2

R-87

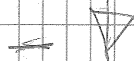
RIG	+	H1	-	ROO
BM	3.88	7.73		3.85
237				3.8 3.9
243				4.4 3.3
262				6.5 1.2
280				8.7 -1.0
307				10.2 -2.5
330				11.2 -3.5
357				11.5 -3.8
379				12.4 -4.7
399				12.9 -5.2
417				13.9 -6.2
TP	4.08	7.61	4.20	3.53
BM			4.48	3.13

Bro 66/34

5315 RIG 237

SAND @ LAMP

"



S# 5316 RIG 243 (3.08)

11-4-19

35657-2

R-87.2

Lab	+	H1	-	Ro0	a
Bm	2.53	7.18			4.65
6				2.81	4.7
13				3.9	3.3
33				6.4	0.8
54				7.4	-0.2
74				8.9	-1.7
96				10.2	-3.0
117				11.3	-4.1
137				12.4	-5.2
155				13.1	-5.9
174				14.0	-6.8
197				15.0	-7.8
215				15.5	-8.3
TP	1.71	7.44	1.45		5.73
Bm			4.37		3.07

Bno 66/35

DESC.

SHA# 5317

NO 6

SAND @ LARA

Rocks

SAND

Rock

SHA# 5318

NO 13 (3.06)

11-4-19

35657-2

R-87.5

RWG	+	AI	-	ROD	EL
BM	4.42	11.22 11.95			6.50 7.53
1				4.4	7.6
4				7.9	4.1
TP	4.42	6.81 2.34	9.03		2.92 2.19
9				4.5	2.8
28				6.3	1.0
51				7.8	-0.5
76				9.5	-2.2
100				10.5	-3.2
126				12.2	-4.9
143				13.0	-5.7
162				13.9	-6.6
179				14.5	-7.2
199				15.1	-7.8
218				15.4	-8.1
239				15.8	-8.5
BM			4.83		17.8 17.51
BM	4.26	6.97			2.71
			4.45		2.52
TP	6.52	12.28	1.21		5.76
	4.52	12.05	4.75		7.53
TP	1.63	7.40	6.28		5.77
			4.87		2.53

Bro 66/36

DESC-

SH# 5319 ROD 1 (7.53) 505 Below

TOP VEG

SAND

SAND

SH# 5320 ROD 9 (2.44)

5322 (2.71)

SH# 5320 (2.44)

5319 (6.80)

5320 (2.44)

11-4-19

35657-2

12-87.7

NG	+	AI	-	ROD	EL
BM	8.82	11.53			2.71
135				8.6	2.9
131				7.8	3.7
127				7.0	4.5
125				4.4	7.1
112				5.0	6.5
70	3.54	7.05	8.02		3.51
153				5.9	1.2
173				6.6	0.5
196				8.5	-1.4
223				10.1	-3.0
249				11.2	-4.1
270				12.5	-5.4
291				13.1	-6.0
306				13.8	-6.7
328				14.7	-7.6
348				15.0	-7.9
367				15.2	-8.1
BM			3.37		3.68

Bno 66/37

DESC.

SHA# 5322 NG 135

SADQ DATA

TOE

TOB VEG

GB

SHA# 5321 NG 131 (3-77)

10-31-19

35657-2

R-88

RNC	+	111	-	ROD	EL
TBM	1.75	7.23			5.48
235				1.7	5.5
240				2.9	4.3
257				5.7	1.5
276				7.1	0.1
298				7.7	-0.5
324				8.9	-1.7
343				10.2	-3.0
364				11.4	-4.2
387				13.1	-5.9
416				13.9	-6.7
432				14.3	-7.1
460				15.1	-7.9
492				15.2	-8.0
530				15.3	-8.1
550				16.1	-8.9
T.P.	3.16	7.82	2.57		4.66
TBM			3.61		4.21

5924

240

4.22

Blowup

271

156

SK R-88 RNC 235 " 5323

TOE SAND (w) HUB

SAND " "

SAND

SK R-88 RNC 240 " 5324 4.22

10-31-19

356.57-2

R-882

RNC	+	141	-	ROD	E
TBM	4.90	8.50			3.60
129				1.4	7.1
134				0.9	7.6
139				4.8	3.7
144				5.8	2.7
161				7.9	0.6
181				8.9	-0.4
207				9.5	-1.0
223				10.8	-2.3
255				11.9	-3.4
275				13.7	-5.2
292				14.7	-6.2
307				15.3	-6.8
322				15.8	-7.3
341				15.9	-7.4
358				16.0	-7.5
376				16.4	-8.1
397				16.6	-8.1

5326 144

BROWAL

27/
54

511 R-882 RNC 139 5325

GB

708 VEC

708 SAW

SALON

ROCK

"

"

10-31-19

35657-2

R-88.2 CONT

RNG

+

141

ROD

EL

8.50

415

16.4

-7.9

430

17.0

-8.5

450

17.0

-8.5

TIP

4.92

8.22

5.20

3.30

TBM

5.81

2.41

2.38

Brownell

27/58

SAND

SK

R-88.2

RNG

144

H 5326

2.38

10-31-19

35657-2

R-88.5

RNC	+	141	-	R00	EL
TBM	2.04	5.39			3.35
35				2.0	3.4
40				2.6	2.8
60				4.6	0.8
78				5.4	0.0
100				6.1	-0.7
123				7.8	-2.4
148				9.3	-3.9
163				10.1	-4.7
189				11.0	-5.6
212				11.7	-6.3
236				13.1	-7.7
259				13.1	-7.7
285				15.0	-9.6
304				15.9	-10.5
323				16.3	-10.9
342				16.1	-10.7
T.P.	3.13	6.27	2.25		3.14
TBM			3.80		2.47

5328 40.233

BROWARD

27/

53

SH R-88.5 RNC 35 #5327

SAND @ HUB

" " "

SAND

ROCK

ROCK

SAND

ROCK

"

SAND

ROCK

"

SH R-88.5 RNC 40 #5328

2.33

10-31-19

35657-2

R-89

RNG	+	111	-	REN	E
TBM	0.80	6.71			5.91
193				0.7	6.0
200				1.8	4.9
218				4.5	2.2
236				5.8	0.9
260				6.7	0.0
286				8.3	-1.6
313				10.2	-3.5
334				11.8	-5.1
357				13.9	-7.2
378				14.9	-8.2
399				14.3	-7.6
420				15.4	-8.7
440				15.7	-9.0
463				15.8	-9.1
480				15.6	-8.9
505				15.1	-8.4
T.P.	1.20	6.40	1.51		5.20
TBM			1.57		4.83

5330 200 4.83

300WARD

27/
52

SH R-89 RNG 193 # 5329

TOE VEL @ 1113

SAND @ 1113

ROCK

"

"

"

SAND

ROCK

"

SH R-89 RNG 200 # 5330 4.83

1057-19

35657-2

R-895

RNG	+	H1	-	R00	EL
TBM	0.15	6.99			6.84
186				0.1	6.9
191				0.9	6.1
196				1.5	5.5
202				3.0	3.2
222				6.0	1.0
242				7.2	-0.2
266				8.6	-1.6
294				10.3	-3.3
246316				12.0	-5.0
244340				14.3	-7.3
269369				15.7	-8.7
291391				16.0	-9.0
316416				16.0	-9.0
344441				16.1	-9.1
367467				15.8	-8.8
391491				16.3	-9.3
409509				16.4	-9.4
T.P.	0.76	7.04	0.71		6.28
TBM			1.29		5.75

5332 91 5.76

280WAD

27/51

SN R-895 RNG 86 #5331

TUE SAND @ HUB

SAND @ HUB

SAND

ROCK

SAND

SN R-895 RNG 91 #5332 5.76

10-31-19

35657-2

R-90

RNG	+	H1	-	ROO	E
TBM	0.24	7.73			7.49
120 220				2.1	5.6
130 230				0.9	6.8
143 243				2.4	5.3
151 251				4.7	3.0
171 271				7.1	0.6
191 291				8.0	-0.3
212 312				9.0	-1.3
235 335				10.5	-2.8
257 357				11.7	-4.0
282 382				13.7	-6.0
300 400				15.2	-7.5
341 411				16.0	-8.3
330 430				16.5	-8.8
342 442				16.8	-9.1
361 461				16.8	-9.1
376 476				17.9	-10.2

5334 130 676

BROWARD

27/49

STA 12-90 RNG ~~20~~ 220 H 5333
 JOE VEL @ HVB
 SAND @ HVB
 SAND

ROCK

10-31-19

35657-2

R-90 CONT

RNG + H1 - ROD EL

7.73

399 499

17.8 -10.1

420 520

18.0 -10.3

440 540

17.8 -10.1

456 556

17.0 -9.3

T.P. 3.00

10.15 0.54

7.15

TBM

3.45

6.74

3000000

22/
50

ROCK

"

"

ROCK

SH R-90 ANG 130 # 5334

230

< 6.76

10-21-19

35657-2

R-90.5

RNC	+	H1	-	RND	EL
TBM	0.99	9.12			8.13
100				0.8	8.3
110				1.9	7.2
127				4.1	5.0
136				6.1	3.0
157				8.7	0.4
181				9.6	-0.5
202				10.9	-1.8
226				12.4	-3.3
251				14.2	-5.1
271				15.7	-6.6
291				16.3	-7.2
311				18.1	-9.0
333				19.2	-10.1
361				18.9	-9.8
382				19.5	-10.4
405				20.2	-11.1
428				20.5	-11.4
T.P.	2.34	9.97	1.49		7.63
TBM			2.74		7.23

53360 110 7.12

BRUNNARD

27/48

SH R-90.5 RNC 100 H 5335

TBM @ HUB

" " "

SAND

ROCK

"

SAND

SH R-90.5 RNC 110 A 5334 7.12

10-31-19

35657-2

D. VOTHGEEK

OLSEN + ASSOCIATES

M. BARKER

BEACH PROFILES R-88 TO R-91

D. TIND

H. HARTMAN

R-91

RNC

+

141

-

R00

EL

TBM

0.44

7.42

6.98

150

0.4

7.0

160

0.7

6.7

166

0.9

6.5

169

1.7

5.7

185

3.1

4.3

189

4.5

2.9

210

7.4

0.0

231

8.2

-0.8

252

9.1

-1.7

277

10.3

-2.9

298

11.5

-4.1

318

13.0

-5.6

338

14.5

-7.1

358

15.6

-8.2

5838 160 6.67

BROWMAN

27/46

SN R-91 RNC 150 #5337

SAND @ HJB

" " "

SAND

10-31-19

35657-2

260000

21/47

R-91 CONT

RNG + H1 - Rod EL

7.42

381 16.2 -8.8

404 16.8 -9.4

421 16.8 -9.4

447 16.7 -9.3

465 16.1 -8.7

494 18.3 -10.9

519 18.5 -11.1

T.P. 1.84 9.03 0.23 7.19

TBM 2.37 6.20

SAND

SAND

SAND

SAND

ROCK

SAND

ROCK

ROCK

ROCK

ROCK

ROCK

ROCK

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ROCK

ROCK

ROCK

SM-R-91 RNG 160 H 5238 6.62

10.30-19

R-91.5

RNG	+	141	-	R00	R
TBM	249	9,44			6.95
25				2.5	6.9
35				2.4	7.0
43				2.5	6.9
44				3.6	5.8
64				5.4	4.0
79				7.8	1.6
100				9.6	-0.2
127				10.8	-1.4
160				12.2	-2.8
188				13.2	-3.8
205				14.3	-4.9
221				15.9	-6.5
241				17.2	-7.8
262				17.8	-8.4
279				18.2	-8.8

5340 35 7.03

R00W000

27/41

S1R 91.5 RNG 25 H 5339

10-30-19

R-91.5

RNC	+	HI	-	ROD	EL
		9.44			
298				18.5	-9.1
311				19.1	-9.7
325				19.6	-10.2

T.P	2.00	9.39	2.05	7.39
TBM			2.40	6.99

NOTE: STOP DOWING BEACH PROFILES
WATER PORTION DUE TO JELLY FISH
SUMMER GETTING STUNG

STARTED SETTING UP PROFILES SEE
NEXT PAGE

Blow No

27/
42

SH R-91.5

SAND

SH R-91.5	RNC 35	#5340	203
-----------	--------	-------	-----

10-30-19

35657-2

R-92

RNG	+	H1	-	ROD	EL
TBM	1.85	8.97			7.12
125	1.85			1.8	7.2
135				1.8	7.2
137				2.1	6.9
140				3.5	5.5
157				5.0	4.0
177				7.8	1.2
197				9.1	-0.1
218				9.8	-0.8
239				11.1	-2.1
262				12.3	-3.3
282				13.0	-4.0
302				13.2	-4.2
317				13.8	-4.8
328				14.1	-5.1
337				14.5	-5.5
345				15.9	-6.9

5342 135 7.13

BROWARD

27/
39

SH R-92 RNG 135 H 5341

SAND @ 1403

SAND

10-30-19

35657-2

R-92

RNG + HI - ROD EL

8.97

362 17.1 -8.1

376 18.3 -9.3

392 19.3 -10.3

405 19.8 -10.8

421 20.4 -11.4

432 20.3 -11.3

T.P. 1.33 8.89 1.41 7.56

1.79 7.10

BROWNS

27/40

SAWD

SHR-92 RNG 135

*5342

7.13

10-30-19

35657-2

R-92.5

RNG	+	H1	-	ROD	EL
	0.79	9.11			8.32
15				0.7	8.4
17				1.7	7.4
25				2.0	7.1
30				2.2	6.9
32				3.9	5.2
52				5.8	3.3
73				7.3	1.8
95				8.4	0.7
119				10.5	-1.4
130				11.4	-2.3
154				12.5	-3.4
173				12.5	-3.4
192				12.6	-3.5
218				13.6	-4.5
248				15.0	-5.9
269				16.6	-7.5
281				17.6	-8.5
300				18.2	-9.1

5344 25 7.14

ZAGNARD

27/37

SH R-92.5 RNG 15 # 5343

FORB

VEL

SAND @ HOB

SAND

10030-19

35457-2

R-92.5

RNG + HI - ROD EL

9.11

319 18.5 -9.4

338 19.0 -9.9

351 19.8 -10.7

TP. 1.46 8.95 1.62 7.49

1.81 7.14

BROWARD

27/
38

SH R-92.5 RNG 25 H 7.14

10-30-19

35657-2

R-93

RNC	+	HI	-	R00	EL
TBM	1.31	8.30			6.99
125				1.3	7.0
135				1.7	6.6
143				1.8	6.5
145				3.0	5.3
160				4.3	4.0
180				6.7	1.6
199				8.2	0.1
218				9.5	-1.2
240				10.7	-2.4
258				11.6	-3.3
289				12.2	-3.9
-				8.3	
311				11.9	-3.6
332				12.1	-3.8
357				13.1	-4.8
370				14.0	-5.7
384				15.3	-7.0
406				16.6	-8.3

27

5346

135 662

BROWN

35

(BEACH PROFILE R-91.5 TO R-93)
WATER PORTION

SH R-93 RNC 125 #5345

SAND @ HUB

" " "

SAND

Top H2O

9:00 AM

10-30-19

35657-2

R-93

RNL

+

141

-

R00

EL

830

422

17.3

-9.0

439

18.0

-9.7

449

19.0

-10.7

467

18.9

-10.6

487

19.5

-11.2

TIR

1.22

8.23

1.29

7.01

1.62

6.61

BROWARD

27/
36

SAND

SAR-93 RNC 135⁺ 5346

667

10-31-19

35657-2

R-94

RNC

+

141

-

RND

CL

470

10.71

6.01

100

5.2

5.5

90

4.7

6.0

82

4.4

6.3

65

2.9

7.8

59

2.7

8.0

T.P.

5.50

11.42

4.79

5.92

28

5.2

6.2

14

5.1

6.3

0

4.1

7.3

TBM

5.91

5.51

22/

5455 100 5.52

BROWN

61

(UPLAND TOPO)

SH R-94 RNC 90

5455

SAND @ HUB

" " "

TOE SAND

TOE VEG

CB

CB

"

"

SH R-94

RNC 100

5456

11-4-19

35657-2

12-94

WGS	+	Alt	-	Red	EL
BM	2.06	8.07			6.01
90				2.0	6.1
100				2.5	5.6
122				4.4	3.7
139				6.4	1.7
161				9.1	-1.0
183				9.7	-1.6
205				9.9	-1.8
225				10.1	-2.0
245				10.5	-2.4
268				10.6	-2.5
291				11.1	-3.0
315				11.8	-3.7
338				12.6	-4.5
355				13.1	-5.0
375				13.9	-5.8
393				14.8	-6.7
415				15.5	-7.4
TP	3.46	7.96	3.57		4.50
BM			2.45		5.51

Bro 66 / 38

DEEG

SH# 5455 1206 90

SAD@ CAT

SH# 5456 1206 100 (5.52)

10-31-19

35652-2

R-95

RNG	+	H1	-	ROR	B
TBM	7.43	1331			5.83
135				8.5	4.8
125				7.5	5.8
117				6.7	6.6
114				6.4	6.9
106				4.6	8.7
95				5.2	8.1
85				5.8	7.5
76				6.3	7.0
T.P.	5.76	11.06	8.01		5.30
TBM			6.26		4.80

5458 135 4.77

BRUNN

201
160

UPLAND 7010

SH R-95 RNG 125 # 5457

SAND @ HUB

" " "

VEL

705 CB

703

CB

"

"

SH R-95 RNG 135 # 5458 4.77

11-5-19

35657-2

BROGG/39

R-95

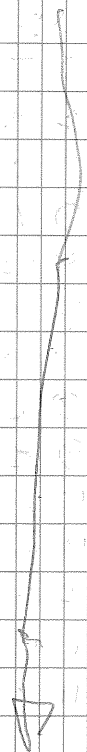
RNG	+	AI	-	ROD	EL
BM	0.56	6.39			5.83
126				0.5	5.9
135				1.5	4.9
152				2.7	3.7
172				5.8	0.6
194				7.9	-1.5
203				9.4	-3.0
223				10.0	-3.6
248				10.6	-4.2
272				10.3	-3.9
291				9.0	-2.6
311				9.0	-2.6
333				9.3	-2.9
355				9.3	-2.9
375				9.7	-3.3
399				10.3	-3.9
418				11.0	-4.6
441				11.8	-5.4
TP	2.69	6.80	2.28		4.11
BM			2.01		4.70

DESC.

SH# 5457 RNG. 125

SAND @ LATH

"



SH# 5458 RNG. 125 (4.77)

10-31-19

35657-2

R-96

RNG	+	HI	-	LOD	EL
TBM	6.52	12.29			5.77
120				7.2	5.1
110				6.5	5.8
104				5.8	6.5
103				5.0	7.3
87				3.9	8.1
74				3.7	8.6
68				4.1	8.2
7.1	7.12	12.52	6.89		5.40
			7.57		4.95

5460 10 4.96

271
BROWNED 159

(UPLAND TOPO)

SH R-96 RNG 110 #5459

SAND @ 100B

" " "

TOE SAND

TOE VEL

GB

"

"

SH R-96 RNG 120 #5460 4.96

11-5-19

35657-2

R-96

WAG	+	A1	-	Rad	EL
BM	1.13	6.89			5.76
110				6.1	5.8
120				1.9	5.0
146				2.7	4.2
155				4.8	2.1
178				7.3	-0.4
192				9.7	-2.8
205				10.8	-3.9
233				9.5	-2.6
257				9.3	-2.4
279				9.6	-2.7
303				9.8	-2.9
325				10.0	-3.1
348				10.2	-3.3
371				10.5	-3.6
396				11.0	-4.1
422				11.7	-4.8
TP	2.15	7.08	1.96		4.93
RM			2.13		4.95

Bno 66/40

DESC.

SH #5459 RNS 110

SAND @ LATH

11



SH #5460 RNS 120 (4.96)

10-31-19

35657-2

R-97

RNC	+	H'	-	200	EL
TBM	3.95	12.31			8.36
200				4.9	7.4
194				4.6	7.7
190				3.9	8.4
187				3.1	9.2
176				4.4	7.9
158				5.6	6.7
138				6.5	5.8
124				6.9	5.4
106				7.4	4.9
91				7.7	4.6
86				7.9	4.4
T.P.	4.21	12.14	4.38		7.93
TBM			4.73		7.41

5462 200 7.37

BROWNAD

27/

58

(UPLANDS TOPO.)

ST R-97 RNC 190 # 5461

SAND @ HUB

TOE VEL 8

CB @ HUB

TOB

CB

SH R-97 RNC 200 # 5462

7321

H-5-19

35657-2

R-97

Days	+	A1	-	Red	a
BM	0.63	8.99			8.36
190				0.6	8.4
200				1.5	7.5
204				2.0	7.0
222				5.0	4.0
244				7.0	2.0
267				9.8	-0.8
282				12.1	-3.1
308				13.0	-4.0
332				13.2	-4.2
357				13.2	-4.2
380				13.2	-4.2
405				13.6	-4.6
429				14.0	-5.0
455				14.7	-5.7
TP	2.01	9.14	1.86		7.13
BM			1.73		7.41

B2066/41

DESC.
 SH # 5461 RAG 190
 GB SAND @ HUG

VES

SH # 5462 RAG 200 (-7.37)

10-31-19

35657-2

R-90

RNG	+	141	-	200	EL
TBM	1.59	8.22			6.63
150				1.5	6.7
160				2.5	5.7
163				2.9	5.4
183				5.1	3.1
202				6.8	1.4
T.P	5.28	11.31	2.19		6.03
145				4.3	7.0
123				4.7	6.6
102				5.1	6.2
79				5.3	6.0
66				5.1	6.2
35				4.9	6.5
15				4.3	7.0
8				4.3	7.0
3				2.5	8.8
TBM			5.69		5.62

5464 100 5.72

BLANK

27/157

UPLAND TOPO COULD NOT GO INTO
WATER TOO MANY STICKY FISH

SH R-98 RNG 150 # 5463

SAND @ 1400

SAND

TOB VEC

CB

SH R-98 RNG 100 # 5464 5.72

H-S-19

35657-2

12-98

Bro 66/42

ING	+	H1	-	ROO	CL
BM	1.28	7.91			6.63
150				1.2	6.7
160				2.2	5.7
176				4.3	3.6
186				5.0	2.9
208				6.9	1.0
230				9.6	-1.7
245				11.5	-3.6
268				12.5	-4.6
294				12.9	-5.0
318				10.9	-3.0
341				10.8	-2.9
364				11.3	-3.4
389				11.9	-4.0
412				12.5	-4.6
436				12.4	-4.5
455				13.9	-6.0
474				14.5	-6.6
490				15.0	-7.1
509				15.4	-7.5
530				15.9	-8.0
564				16.8	-8.9
585				16.8	-8.9

TD 2.43 7.91 2.53

BM 2.10

DESC.

SH# 5463 RNB 150

SAND @ LATA

M



SH# 5464 RNB 160 (5-7-7)

11-5-19

35657-2

R-99

BROGG/AB

R/G	#	#1	—	Red	EL
BM	4.84	11.22			6.38
-9				7.93	3.29
-8				6.97	4.25
-7				6.9	4.3
-6				5.7	5.5
-5				3.2	8.0
5				4.6	6.6
10				4.7	6.5
20				5.0	6.2
40				4.7	6.5
61				7.2	4.0
TP	3.90	8.29	6.83		4.39
78				5.2	3.1
100				7.7	0.6
121				10.4	-2.1
150				12.2	-3.9
173				12.9	-4.6
194				13.5	-5.2
220				14.0	-5.7

CONT

UPCARS ALSO

DESC

5465 RING 10'

ASPH

CURB

GB

GB

TOB

TOENEG

SAND @ CATH



11-5-19

35657-2

12-99 ^{CONST}

RNG

+

H1

-

R00

EC

8.29

241

14.3 -6.0

262

12.5 -4.2

283

12.2 -3.9

307

12.8 -4.5

333

13.5 -5.2

354

14.1 -5.8

375

14.7 -6.4

BM

1.97

6.32

Bns 66 / 44

DESC

SAND



SN# 5466 RNB 20' (6.33)

H-5-19

35657-2

R-100

ING	+	H1	-	R00	R
BM	5.73	12.44			6.71
-9				7.77	4.67
-8				7.28	5.16
-5				7.0	5.4
0				4.8	7.6
9				4.9	7.5
17				4.0	8.4
20				5.0	7.4
24				5.1	7.3
30				5.7	6.7
40				6.7	5.7
63				8.8	3.6
TP	4.26	8.10	8.60		3.84
82				6.6	1.5
103				9.0	-0.9
119				11.0	-2.9
142				11.6	-3.5
169				11.6	-3.5
194				11.7	-3.6

CONT

BROGG / 45

UPLANDS ALSO

DOJO.

SH# SAG7 INB 30

AspK

CURB

GB

GB

↑

TOB

GB TOB

VEG

SAND @ LATA

↑

↓

M-5-19

35657-2

R-100 CONT

RNG +

HI

-

POD

BL

8.10

215

11.8 -3.7

SAD

239

12.0 -3.9

263

12.2 -4.1

285

12.2 -4.1

308

12.4 -4.3

331

13.1 -5.0

356

13.8 -5.7

378

14.7 -6.6

BM

2.51

5.59

Br20 GG/48

DESC-

SK# 5468 RNG 40 (5.61)

11-5-19

35657-2

12-101

RWG	+	At	-	R20	a
BM	4.48	10.59			8.11
-6				4.26	6.33
5				2.6	8.0
11				2.8	7.8
15				4.0	6.6
20				4.4	6.2
35				6.7	3.9
56				7.8	2.8
TP	4.63	7.69	7.53		3.06
78				7.0	0.7
97				9.7	-2.0
120				11.4	-3.7
144				12.1	-4.4
166				12.5	-4.8
186				13.1	-5.4
205				13.6	-5.9
227				13.8	-6.1
251				14.1	-6.4
BM			3.86		3.83

Bno 66/47

UPDATES ALSO

DESC.

SH# 5469 RNS 20

ASPA

GB

TOB

TOE/NEG

SAND @ CAT

SH# 5470 RNS 35 (3.83)

11-5-19

35657-2

2-102

DJG	+	H1	-	R00	B
BM	8.23	15.02			6.79
41				4.4	10.6
51				4.9	10.1
59				3.2	11.8
69				4.6	10.4
78				7.0	8.0
100				8.3	6.7
120				9.3	5.7
139				10.3	4.7
TP	4.66	9.59	10.09		4.93
162				7.5	2.1
188				10.6	-1.0
208				13.1	-3.5
234				14.4	-4.8
256				15.1	-5.5
276				15.2	-5.6
296				14.6	-5.0
318				13.6	-4.0
346				13.3	-3.7
370				13.2	-3.6
393				13.4	-3.8
BM			3.84		5.75

Pno 66/48

UPLANDS ALSO

DESC

SN# 5471 RING 100

GB

"

TOB

GB

TOB/NEG

SAND @ LATH

"

SN# 5472 RING 120' (5.81)

11-5-19

35657-2

R-103

Wt	+	H1	-	Rad	E
BM	8.04	14.94			6.90
45				5.9	9.0
53				2.7	12.2
70				3.2	11.7
83				5.1	9.8
98				7.6	7.3
120				8.0	6.9
140				8.3	6.6
160				9.3	5.6
178				11.7	3.2
TP	5.51	8.84	11.61		3.33
193				6.3	2.5
216				8.9	-0.1
233				11.6	-2.8
261				12.3	-3.5
285				13.3	-4.5
303				13.8	-5.0
322				14.2	-5.4
343				14.5	-5.7
366				14.8	-6.0
Bm			2.30		6.54

Bro 66/49

UPLANDS ALSO

DESC.

SHA# 5473 RING 120

GE

"

TOB

GE

TOE/NEE

BAND @ LATA

"



SHA# 5474 RING 120 (6.57)

11-8-19

35657-2

R-104

RNG	+	HI	-	P.O.	E
BM	6.15	13.13			6.98
80				1.3	11.8
96				4.0	9.1
108				2.7	10.4
123				5.9	7.2
125				6.1	7.0
135				6.4	6.7
155				6.2	6.9
176				9.1	11.0
TP	4.67	8.85	8.95		4.18
194				6.2	2.7
215				8.4	0.5
232				11.0	-2.1
249				12.5	-3.6
268				12.4	-3.5
286				12.8	-3.9
311				13.6	-4.7
328				13.8	-4.9
350				14.3	-5.4
372				14.8	-5.9
387				15.1	-6.2
404				15.2	-6.3
BM			1.99		6.86

Br 66/50

UPLANDS ALSO

DESS

SH# 5475 RNG 125

GB

11

TOB

TOE/VEE

SADD@LATA

9

11



SH# 5476 RNG 135 (6.84)

11-5-19

35657-2

12-105

RUG	+	H1	-	R00	B
BM	5.52	12.96			7.44
113				3.0	10.0
124				2.7	10.3
140				5.5	7.5
150				6.2	6.8
172				6.2	6.8
TP	2.94	9.98	5.92		7.04
189				4.5	5.5
209				6.4	3.6
232				8.8	1.2
247				11.1	-1.1
264				13.7	-3.7
290				14.1	-4.1
309				14.3	-4.3
328				14.8	-4.8
354				15.2	-5.2
370				15.4	-5.4
392				15.7	-5.7
BM			3.12		6.86

Br 66/51

UPCANS ALSO

DESC

SH# 5477 RNS 140

GB

TPB

TOE/NEEQ/LATA

SAD

SH# 5478 RNS 150 (G.SS)

11-5-19

BSG57-2

12-106

WVG	+	HI	-	ROD	EE
BM	4.18	11.81			7.63
77				1.9	9.9
88				2.9	8.9
94				1.7	10.1
100				4.1	7.7
102				4.8	7.0
110				5.4	6.4
128				5.5	6.3
143				6.1	5.7
165				8.1	3.7
TP	5.66	9.57	7.90		3.91
187				8.4	1.2
202				10.2	-0.6
217				12.6	-3.0
240				13.6	-4.0
263				13.9	-4.3
285				14.4	-4.8
307				15.1	-5.5
329				15.4	-5.8
351				15.8	-6.2
BM			3.17		6.40

Bno 66/52

UPCAND ALSO

DESC.

SH# 5479 RING 100

GB

"

TOB

GB @ LATH

VES

SAND @ LATH



SH# 5480 RING 110 (6.41)

11-5-19

35057-2

R-107

WOB	+	AI	-	ROD	EA
BM	3.88	13.17			9.29
92				3.9	9.3
95				3.5	9.7
100				2.2	11.0
110				3.9	9.3
120				6.0	7.2
140				6.7	6.5
163				8.6	4.6
TP	3.80	8.56	8.41		4.76
183				5.5	3.1
204				7.7	0.9
218				9.9	-1.3
237				12.5	-3.9
258				13.2	-4.6
278				13.5	-4.9
303				13.7	-5.1
323				13.8	-5.2
343				14.3	-5.7
363				14.6	-6.0
BM			1.38		7.18

Bro 66/53

UPLANDS ALSO

DESC.

SN# 5481 RNB 110

GB

"

TOB

GB @ LATA

ICE/ES "

SAD

SN# 5482 RNB 120 (7.19)

H-6-19

35657-2

K-108

RIG	+	#1	-	ROO	EL
BM	2.27	8.65			6.38
100				2.2	6.5
115				2.2	6.5
136				2.1	6.6
148				5.0	3.7
171				7.7	1.0
195				11.0	-2.3
220				13.0	-4.3
242				13.5	-4.8
263				14.0	-5.3
279				14.6	-5.9
302				15.2	-6.5
324				15.5	-6.8
TP	1.83	8.81	1.67		6.98
BM			2.40		6.41

Bro 66/54

UPCANDS ALSO

DESO

EA# 5483 RNB 100'

SAND @ LATA

H



SA# 5484 RNB 115 (6.41)

H-6-19

35657-2

R-109

RIG	+	HA	-	100	OL
BM	2.40	8.28			5.88
130				2.3	6.0
150				3.5	4.8
171				5.8	2.5
192				8.2	0.1
210				11.2	-2.9
225				12.1	-3.8
240				12.7	-4.4
260				12.7	-4.4
277				12.4	-4.1
299				12.9	-4.6
320				13.4	-5.1
338				14.0	-5.7
TP	1.03	8.40	6.91		7.37
BM			3.67		4.78

Rns 66/69

DESC.

SH #1505-RNG 130

SAND @ CAT#



SH #1506-RNG 150 (4.78)

11-6-19

35657-2

12-110

NO	+	AL	-	RO	E
RM	2.21	9.01			6.80
125				2.2	6.8
145				2.3	6.7
160				4.8	4.2
181				6.5	2.5
205				9.5	-0.5
223				12.1	-3.1
248				13.3	-4.3
276				13.5	-4.5
299				13.9	-4.9
312				14.4	-5.4
333				15.0	-6.0
TP	3.04	9.13	2.92		6.09
BM			2.44		6.69

Br 66/68

DESC.

ST #1507 RNS 125

ZAD @ LATA

"



ST #1508 RNS 145 (6.65)

11-6-19

35657-2

12-111

1216	+	AI	-	ROO	EL
BM	3.02	8.06			5.04
180				3.0	5.1
200				3.5	4.6
221				5.5	2.6
243				8.2	-0.1
263				11.0	-2.9
291				11.1	-3.0
314				11.8	-3.7
343				12.6	-4.5
361				13.2	-5.1
383				13.8	-5.7
TP	0.76	8.17	0.65		7.41
BM			3.70		4.47

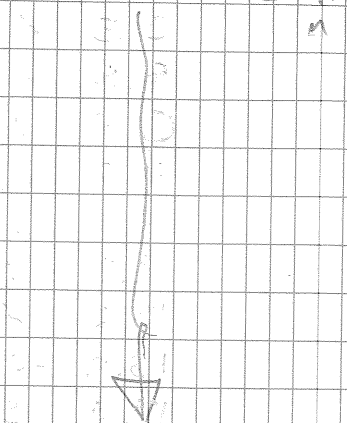
4.44

Brogg / 67

DECO.

SN# 1509 RING 180

SAND @ LATH



SN# 1510 RING 200 (4.44)

11-6-19

35657-2

R-112

RIE	+	AI	-	BO	EL
RM	1.70	7.48			5.78
160				1.7	5.8
170				2.3	5.2
189				4.3	3.2
210				5.6	1.9
226				7.7	-0.2
245				10.2	-2.7
267				9.9	-2.4
291				10.3	-2.8
319				11.1	-3.6
330				11.6	-4.1
346				11.9	-4.4
365				13.0	-5.5
TP	2.72	7.58	2.62		4.86
BM			2.36		5.22

Brigg/66

Deso.

SHA # 1511 RAG 160

SAND @ LATH



SHA # 1512 RAG 170 (5.19)

H-G-19

35657-2

R-113

WNG	+	H1	-	R20	EL
-----	---	----	---	-----	----

BM	1.27	7.79			6.52
----	------	------	--	--	------

150				1.2	6.6
-----	--	--	--	-----	-----

170				3.3	4.5
-----	--	--	--	-----	-----

175				4.5	3.3
-----	--	--	--	-----	-----

190				5.1	2.7
-----	--	--	--	-----	-----

213				7.9	-0.1
-----	--	--	--	-----	------

230				18.6	-0.8
-----	--	--	--	------	------

259				10.6	-2.8
-----	--	--	--	------	------

281				12.8	-5.0
-----	--	--	--	------	------

300				13.8	-6.0
-----	--	--	--	------	------

317				14.6	-6.8
-----	--	--	--	------	------

337				14.9	-7.1
-----	--	--	--	------	------

TP	2.02	7.91	1.90		5.89
----	------	------	------	--	------

BM			3.42		4.49
----	--	--	------	--	------

Bno 66 / 65

DESC.

SH # 1513 RNO 150

SAND @ LATA

—
SH # 1514 RNO 170 (4.49)

11-6-19

35657-2

12-114

LOG	+	HI	-	RO	EL
BM	2.73	7.41			4.68
175				2.7	4.7
195				4.0	3.4
210				4.8	2.6
233				8.3	-0.9
268				10.4	-3.0
283				11.1	-3.7
307				12.1	-4.7
342				12.8	-5.4
370				13.4	-6.0
TP	1.76	7.50	1.67		5.74
BM			4.14		3.36

195

BROGG/GA

DESC

SHA 1515 RING 175

SAND @ LATH

"

SHA 1516 RING 195 (3.40)

11-6-19

35657-2

12-115

NO	+	AI	-	ROO	EL
BM	1.72	6.53			4.81
140				1.7	4.8
160				3.9	2.6
181				5.9	0.6
202				7.1	-0.6
225				8.0	-1.5
249				9.1	-2.6
281				10.7	-4.2
308				11.6	-5.1
328				12.1	-5.6
TP	1.64	6.69	1.48		5.05
BM			4.03		2.66

BROGG/63

DESC-

SH# 1517 R/S 140

SAND @ LATH

11



SH# 1518 R/S 160 (2.64)

11-6-19

35657-2

12-116

LOG	+	HL	-	ROD	EL
BM	2.36	7.55			5.19
190				2.3	5.3
205				3.9	3.7
221				4.8	2.8
248				8.0	-0.4
272				10.5	-2.9
293				11.0	-3.4
312				11.7	-4.1
339				12.3	-4.7
352				12.8	-5.2
371				13.2	-5.6
399				13.9	-6.3
TP	4.27	7.65	4.17		3.38
BM			3.97		3.68

Bno 66/62

DESC
SHA# 1519 RNS 190

EXAD @ LATA

SHA# 1520 RNS 265 (3.73)

11-6-19

35657-2

R-117

TIME	+	HA	-	ROD	EL
BM	2.38	6.88			4.50
250				2.3	4.6
265				3.4	3.5
284				4.7	2.2
305				7.7	-0.8
329				9.2	-2.3
354				9.7	-2.8
378				10.7	-3.8
402				11.6	-4.7
424				12.0	-5.1
TP	1.47	6.95	1.40		5.48
BM			3.48		3.47

BROGG/C11

DESC

SH #1521 RING 250

SAND @ LATH

"

SH #1522 RING 265 (3.47)

4-6-19

35657-2

R-118

LOG	+	HI	-	ROD	EL
BM	2.39	7.05			4.66
210				2.3	4.8
217				4.1	3.0
225				4.2	2.9
243				5.0	2.1
261				7.2	-0.1
278				9.3	-2.2
299				9.7	-2.6
323				10.5	-3.4
345				11.5	-4.4
367				12.0	-4.9
391				12.7	-5.6
411				13.0	-5.9
TP	1.62	6.93	1.74		5.31
BM			4.09		2.84

Bono GG/60

DESO

SK# 1523 RNS 210

SAND @ LATH



SK# 1524 ROD 225' (2.87)

11-G-19

3SG57-2

R-119

IRG	+	H1	-	120	EC
IRM	0.53	6.79			6.26
165				8.5	6.3
185				3.4	3.4
205				5.7	1.1
229				9.0	-2.2
249				9.4	-2.6
269				9.6	-2.8
295				9.8	-3.0
321				10.9	-4.1
TP	1.09	6.86	1.02		5.77
BM			3.52		3.34

Box 66/59

DESC

SN#

1525 RING 1GS

SAND @ LATA

SN#

1526 RING 1GS (3.32)

11-6-19

35657-2

R-120

WGB	+	HI	-	ROO	EL
BM	1.59	6.76			5.17
145				1.5	5.3
160				3.8	3.0
180				5.3	1.5
203				8.0	-1.2
214				9.4	-2.6
237				10.0	-3.2
263				10.3	-3.5
290				11.2	-4.4
314				11.8	-5.0
340				12.3	-5.5
365				12.9	-6.1
TP	1.49	6.87	1.38		5.38
BM			3.90		2.97

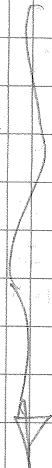
BRO 66/58

DESC:

ST# 1527 RND 145

SAND @ LATH

n



ST# 1528 RND 160 (3.06)

11-6-19

35657-2

R-121

WQ + H1 - Rod EL

BM 2.98 6.95 3.97

45 2.9 4.1

60 3.6 3.4

82 6.1 0.9

106 9.1 -2.1

132 10.5 -3.5

157 11.2 -4.2

182 11.8 -4.8

207 12.2 -5.2

TP 0.95 6.86 1.04 5.91

BM 3.47 3.39

B2066/57

DESC

ST#1529 RING 45

SAND @ LATH

n

ST#1530 RING 60 (3.39)

H-G-19

35657-2

R-122

WGS	+	A1	-	Red	E
BM	1.11	6.03			4.92
40				1.0	5.0
55				2.7	3.3
70				4.4	1.6
90				7.3	-1.3
105				9.0	-3.0
130				9.7	-3.7
155				10.1	-4.1
181				10.5	-4.5
207				11.1	-5.1
TP	3.19	6.45	2.77		3.26
RM			3.10		3.35

B2066/56

DESC.

SN# 1531 RNS 40'

SAND @ LATH

M



SN# 1532 RNS 55' (3.32)

11-8-19

35657-2

R-123

WS	+	HI	-	Red	BL
BM	2.36	8.64			6.28
10				2.3	6.3
20				2.0	6.6
43				2.1	6.5
62				4.6	4.0
85				8.5	0.1
107				10.3	-1.7
117				11.9	-3.3
139				12.7	-4.1
161				13.2	-4.6
180				13.2	-4.6
205				13.3	-4.7
227				13.2	-4.6
TP	2.71	9.02	2.33		6.31
BM			2.43		6.59

B20 67/10

DEEC.

SK# 1668 RNS 10

SAND @ LATH



SK# 1669 RNS 30' (6.59)

11-8-19

35G57-2

R-124

WJG	+	H1	-	RO	EL
Bm	1.98	7.35			5.37
155				1.9	5.5
165				2.9	4.5
185				4.8	2.6
205				7.5	-0.1
221				9.5	-2.1
228				10.9	-3.5
246				11.8	-4.4
269				12.4	-5.0
292				12.6	-5.2
311				13.0	-5.6
333				13.5	-6.1
353				14.0	-6.6
TP	2.60	7.48	2.47		4.88
Bm			3.07		4.41

B2067/9

DESC.

DESC.

SH# 1670 RNS 155

SAND @ LATH

n

SH# 1671 RNS 165 (4.40)

11-8-19

35657-2

R-125

WIG	+	AI	-	BO	B
BM	1.51	8.46			6.95
240				1.5	7.0
250				2.5	6.0
270				4.9	3.6
296				8.4	0.1
313				10.4	-1.9
319				11.7	-3.2
340				12.3	-3.8
363				12.5	-4.0
387				13.0	-4.5
413				13.3	-4.8
434				13.8	-5.3
TP	3.31	8.24	3.53		4.93
BM			2.46		5.78

Br 67 / 8

DESC:

SH# 1672 RING 240'

SAND @ DATA

H



SH#

673 RING 250 (5.71)

11-8-19

35657-2

P-126

avg	+	H1	-	BO	EL
BM	2.34	7.65			5.31
80				2.3	5.4
90				2.9	4.8
110				4.8	2.9
133				7.9	-0.2
146				9.6	-1.9
152				10.8	-3.1
172				11.2	-3.5
192				11.9	-4.2
214				12.6	-4.9
230				13.2	-5.5
252				13.7	-6.0
275				14.1	-6.4
298				13.8	-6.1
TP	1.96	7.86	1.75		5.90
BM			3.14		4.72

B2067/7

DESC.

SH# 1674 PNG 20

SAND @ LATA

u



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SH# 1675 PNG 90' (4.76)

11-8-19

35657-2

12-127

WOG	+	A1	-	Rad	Gr
RM	1.34	8.18			6.84
75				1.3	6.9
85				2.2	6.0
105				4.7	3.5
127				7.6	0.6
146				10.0	-1.8
154				11.3	-3.1
174				12.0	-3.8
197				12.4	-4.2
218				12.7	-4.5
236				13.0	-4.8
258				13.5	-5.3
					6.69
TP	1.66	8.35	1.49		
RM			2.32		6.03

B2067/6

DECO

SH# 1676 RNB 75

SAND @ CATH

n



SH# 1677 RNB 85 (5.97)

11-8-19

35657-2

R-128

Rd	+	M	-	Rd	EC
BM	1.19	8.15			6.96
75				1.1	7.1
85				2.1	6.1
107				4.6	3.6
131				8.5	-0.3
146				9.9	-1.7
151				11.1	-2.9
173				11.8	-3.6
196				12.1	-3.9
218				12.3	-4.1
239				12.5	-4.3
260				12.8	-4.6
282				13.2	-5.0
TP	0.93	8.33	0.76		7.40
BM			2.23		6.10

B267/5

DEEC

SA#

1678 RNS 75'

SAND @ CATR

1

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SA#

1679 RNS 85' (6.09)

11-8-19

35657-2

R-2 DATA

LOG	+	AI	-	BO	EO
BM	2.18	7.44			5.26
40				2.1	5.3
50				3.3	4.1
70				4.8	2.6
87 ST				8.5	-1.1
107				9.4	-2.0
111				10.6	-3.2
134				11.7	-4.3
160				12.2	-4.8
181				12.6	-5.2
200				13.1	-5.7
TP	4.17	7.53	4.08		5.36
BM			3.43		4.10

Bragg / 4

DEP.

SM# 1680 RING 40

SAND @ CAT



SM# 1681 RING 50 (4.15)

11-8-19

35657-2

R-3 PAGE

RNG	+	HI	-	100	EL
BM	0.94	7.74			6.88
90'				0.9	6.8
100'				1.6	6.7
120				4.0	3.7
140				6.8	0.9
161				9.7	-2.0
181				11.0	-3.3
204				11.8	-4.1
227				12.7	-5.0
251				13.2	-5.5
269				13.8	-6.1
TP	2.87	7.94	2.67		5.07
BM			1.81		6.13

Box 67/3

DESC

SHA# 1662 RNG 90'

SAND @ LATA



SHA# 1663 RNG 100' (6.13)

11-8-19

35657-2

12-4 DAGE

FIG	+	HI	-	ROD	EW
BM	4.74	8.84			4.10
124				1.6	7.2
105				1.6	7.2
87				1.0	7.8
67				0.4	8.4
57				0.3	8.5
200				4.7	4.1
220				5.1	3.7
242				7.1	1.7
264				10.0	-1.2
285				11.3	-2.5
308				12.8	-4.0
329				13.4	-4.6
350				13.9	-5.1
375				14.3	-5.5
392				14.7	-5.9
TP	2.84	8.87	2.81		6.03
BM			5.19		3.68

BRO 67 1/2

DESC

SH# 1684 RING 200'

SAND

@ LATH



SH# 1685 RING 220 (3.66)

11-8-19

35657-2

PV RA (OUSEN)

JW

R-5 (OUSEN)

RNO	+	HA'	Rad	EL
BM	0.49	7.19		6.70
115			0.4	6.8
125			1.2	6.0
147			3.8	3.4
169			6.5	0.7
190			9.0	-1.8
200			10.5	-3.3
224			11.5	-4.3
245			12.1	-4.9
267			13.0	-5.8
283			13.6	-6.4
303			14.3	-7.1
TP	2.40	7.49	2.10	5.09
BM.			1.52	5.97

B2067/1

DESCA

SHA#

1686 PNG 115'

SHO@ LATH

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SHA#

1687 RAG 125 (5.98)