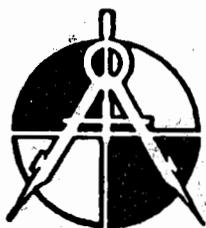


N. CAROLINA FIELD BOOK



SINCE 1956

FLT
Geosystems

8418

#489

0600 MOBE HOUSE

0800 PICK UP RENTAL CAR

1000 SET BASE @ TIDALC
461.1000 @ 1.5m 2TK/LOG1100 SOD CHK @ C255
H 0.121 H 0.122
V 0.056 V 0.0561120 SOD CHKE JENN
H 0.173 H 0.214
V 0.020 V 0.0241315 SOD CHK @ KITTY
H 0.009 H 0.014
V -0.005 V -0.011

PICS: 6861

PICS 6862 - 6864

PICS 6865 - 6866

← SET 2nd BASE @ ARCH 1.5m @ 462.12500
RTK

BB, DA, AP, JD OBX Beach Profiles 12-1-17
0630 Prep/Load trucks, mob to ACE to set
base @ Jern

0845 - Complete checks w/ Rovers @ C255

$$H_1 = 0.045$$

$$H_2 = 0.086$$

$$V_1 = 0.034$$

$$V_2 = 0.056$$

0852 - Tidal C check complete

$$H_1 = 0.258$$

$$H_2 = 0.202$$

$$V_1 = 0.002$$

$$V_2 = 0.000$$

0905 - Complete check @ Cuffey

$$H_1 = 0.693$$

$$H_2 = 0.702$$

$$V_1 = -0.022$$

$$V_2 = -0.032$$

0925 - Begin Survey DA+BB Long Fray w/
↳ conditions too rough for survey AP+JD
switch to Uplands (DA+BB only)

17(EOD)

1415 - Complete checks, tear down base

* Check @ Tidal C

$$H_1 = 0.116$$

$$H_2 = 0.112$$

$$V_1 = -0.011$$

$$V_2 = -0.017$$

- Check @ C255

$$H_1 = 0.123$$

$$H_2 = 0.119$$

$$V_1 = 0.012$$

$$V_2 = 0.026$$

↓ Notes for Cont. C (R-10)

DA, BB OBX 12-1-17

D-7 Topo 100-

SNP, WSNP, WL, W

Total Dist = (X) Az: 70 Pics (1396-1398)

- Too Rough -

D-6 Topo 1-53

WSNP, SNP, EOV, V1, HOUSE, DRIVEWAY, GRASS

Az: 70 Mon: DNF Pics (1399-1401)

D-7 Topo 1-36

WSNP, SNP, EOV, V1, V2, V1, SNO

Az: 70 Mon: DNF Pics (1396-1398)

D-8 Topo 1-58

WSNP, SNP, EOV, BWalk, V1

Az: 70 Mon: DNF Pics (1402-1404)

D-9 Topo 1-53

WSNP, SNP, EOV, V1, BWalk, V1, V2, V1, V2

Az: 70 Mon: DNF Pics (1405-1407)

D-10 Topo 1-40

WSNP, SNP, EOV, V1

Az: 70 Mon: DNF Pics (1408-1410)

D-11 Topo 1-44

WSNP, SNP, EOV, V1, Wood BIK, SNO

Az: 70 Mon: DNF Pics (1411-1413)

- EOD -

X - SE Ar too rough, canceled attempt

↳ Decide to run uplands instead (BB+DA)

↳ TM, + CG also can't run boat, Mob to assist w/ uplands

↳ AR + JD head to house to work on office workload

- Grip due to house

- Stopped @ house

- No RTK due to house, shots taken on Bwalk + Next to Bwalk, + Top of Dune (Perpendicular)

- Cont. Topo just 1st row of houses, ran into dense veg + approaching house. Ended.

- SLIGHTLY OFF LINE DUE TO BWAALK

0600 MOBE HOUSE

0730 SET BASE @ JENN IRC

1.5 M RTK/LOG 461.10000

0745 SOD CHK @ TIDAL C TBM

H 0.058 H 0.058

V 0.020 V 0.016

0800 SOD CHK @ CAFFEY

H 0.142 H 0.093

V -0.049 V -0.057

- DA + BB Leap frog survey swim lanes
w/ JP, + AP

- EOD CHK @ Tidal C

$H_1 = 0.103$

$H_2 = 0.034$

$V_1 = -0.002$

$V_2 = 0.011$

- EOD CHK @ CAFFEY

$H_1 = 0.039$

$H_2 = 0.070$

$V_1 = -0.043$

$V_2 = -0.044$

GBX PROFILES

12-2-17

DA BB			
D-07	TOPO	500 - 548	A2 70s pics (Prev Day)
SND, WSND, WL, W			
D-10	TOPO	100 - 137	A2 70 pics (Prev Day)
SND, WSND, WL, W			
D-12	TOPO	100 - 136	A2 70 pics (1414 1416)
W, WL, WSND, SND			
D-14	TOPO	100 - 129	A2 70 pics (1417-1419)
W, WL, WSND, SND			
D-16	TOPO	100 - 129	A2 70 pics (1420-1422)
W, WL, WSND, SND			
D-20	TOPO	100 - 132	A2 70 pics (1423-1425)
W, WL, WSND, SND			
D-22	TOPO	100 - 133	A2 70 pics (1426-1428)
W, WL, WSND, SND			
D-25	TOPO	100 - 118	A2 70 pics (1429-1431)
W, WL, WSND, SND			
D-27	TOPO	100 - 122	A2 70 pics (1432-1435)
W, WL, WSND, SND			
D-30	TOPO	100 - 114	A2 70 pics (1436-1440)
W, WL, WSND, SND			
D-33	TOPO	100 - 121	A2 70 pics (1441-1443)
W, WL, WSND, SND			

SEE OTHER PGS FOR OTHER SWIMLINGS

* SHORT ONE photo, retake!!!
↳ Camera Malfunction.

BB OBX PROFILES 12/13/17

0600 MGB @ HOUSE

0715 SET BASE @ JENN CONTROLLER A SN: 5874
1.5m RTK/STATIC 469.10000

0745 SOD CHK @ TIDAL C
H 0.039 H 0.184
V 0.028 V 0.035

0800 SET STAIC @ TIDAL C CONTROLLER C SN: 4411
1.5m RTK STATIC

0815 SOD CHK @ CAFFEY
H 0.164 H 0.194
V -0.031 V -0.023

1630 END TIDAL C STATIC

1640 EOD CHK @ TIDAL C
H H 0.432
V -0.016 V -0.028

1655 EOD CHK @ CAFFEY
H 0.319 H 0.170
V -0.042 V -0.043

1700 END SURVEY

BB, DA

GBX PROFILES

12/3/17

-170

Topo 100-120

SND, WSND, WL, W

Az: 66.6

pics (6869-6871)

-157

Topo 100-119

SND, WSND, WL, W

Az: 66.6

pics (6872-6874)

-110

Topo 100-113

SND, WSND, WL, W

Az: 62.57

pics (6875-6877)

-90

Topo 100-116

SND, WSND, WL, W

Az: 62.57

pics (6878-6880)

-70

Topo 100-115

SND, WSND, WL, W

Az: 62.57

pics (6881-6883)

-50

Topo 100-115

SND, WSND, WL, W

Az: 62.57

pics (6884-6886)

-30

Topo 100-122

SND, WSND, WL, W

Az: 62.57

pics (6886-6889)

-10

Topo 100-127

SND, WSND, WL, W

Az: 62.57

pics (6890-6892)

20

Topo 100-127

SND, WSND, WL, W

Az: 62.2

pics (6893-6895)

40

Topo 100-128

SND, WSND, WL, W

Az: 62.2

pics (6896-6898)

60

Topo 200-220

↳ JD + AP collected w/ conf. C, notes in other Log Book

BB

OBX - PROFILES

12-4-17

0600 MOB @ HOUSE

0800 WEATHER PLAN

0935 SET BASE @ WILKINS SN: 5874
2.0 m RTK/LOG 2461-10000

1000 SODCHK @ ARCH

H 0.134

H 0.125

V 0.095

V 0.079

1020 SODCHK @ KITTY

H 0.068

H 0.078

V 0.003

V 0.002

1030 EODCHK @ ARCH

H 0.077

H 0.120

V 0.033

V 0.029

1045 EODCHK @ KITTY

H 0.226

H 0.245

V 0.064

V 0.060

1700 END SURVEY

BB

OBX - PROFILES

12-4-17

60+50	TOPO 1-26	AZ 62.2
SND, HOUSE/EDV, V, ROAD		
50+28	TOPO 1-28	AZ 62.2
SND, EDV, V, ROAD		
40+23	TOPO 1-23	AZ 62.2
SND, V, ROAD		
30+05	TOPO 1-24	AZ 62.2
SND, HOUSE, SND, DWAY ROAD		
20+02	TOPO 1-24	AZ 62.2
SND, EDV, V, SND, V, ROAD		
9+99	TOPO 1-28	AZ 62.6
SND, EDV, V, ROAD		
0+00	TOPO 1-24	AZ 62.6
SND, EDV, V,		
-10+00	TOPO 1-42	AZ 62.57
SND, EDV, V, WALL, BWALL, DWAY, V, DWAY, ROAD		
-20+00	TOPO 1-35	AZ 62.57
SND, EDV, V, ROAD		
-30+00	TOPO 1-34	AZ 62.57
SND, EDV, V, BWALL, TWALL, BWALL, SND, BWALL		
-40+00	TOPO 1-46	AZ 62.57
SND, EDV, V, ROAD		

* GAP LOST RADIO BETWEEN HOUSES *

* LINE ENDS @ HOUSE STONEWALL *

BTS
 ORV - PROFILES 12-4-17
 -50+00 TOPO 1-47 AZ 62.57
 SND, EDV, V₁, V₂, ROAD
 -60+00 TOPO 1-38 AZ 62.57
 SND, EDV, V₁, V₂, V₁
 -70+00 TOPO 1-31 AZ 62.57
 SND, EDV, V₁, V₂, V₁
 -80+00 TOPO 1-39 AZ 62.57
 SND, EDV, V₁, V₂, V₁, ROAD Mon: NO GAP
 -90+00 Topo 1-39 Az: 62.57
 SND, EDV, V₁, ROAD
 -100+00 Topo 1-30 Az: 62.57
 SND, EDV, V₁, V₂

BR
 ORV - PROFILES 12-04-17
 * OFFLINE / GAPS DUE TO DENSE V₂ *
 * LINE ENDS DUE TO DENSE V₂ BRIARSH *
 * OFF LINE DUE TO DENSE V₂ END @ HOUSE *
 * PICS, BB PHONE * * OFF LINE DUE TO V₂ *
 * End line due to dense V₂

0600 - Mob House

0645 SET ^{1/2} SIMULTANEOUS STATIC @ WIKINS
 SN: R10-4411 @ 2.0 m

0715 SET BASE @ JENN
 1.5 m 461.0000 RTE/LOG SN: 5874

0730 SOD CHK @ C255
 C H 0.109 H 6.112 A H 0.101 H 0.092
 V 0.026 V 0.023 V 0.024 V 0.032

0745 SOD CHK @ TIDAL C
 PC H 0.048 H 0.1287 A H 0.108 H 0.082
 V -0.003 V -0.005 V 0.021 V 0.016

1425 END STATIC @ WIKINS

1520 EOD CHK @ TIDAL
 H 0.053 H 0.041 H 0.240 H 0.178
 V -0.002 V -0.012 V 0.001 V -0.009

1530 EOD CHK @ C255
 H 0.066 H 0.080 H 0.187 H 0.197
 V -0.008 V 0.020 V 0.090 V 0.072

1550 END SURVEY

BB, + DA

OBX - Profiles

12-5-17

D-12 Topo 1-28 AZ: 70

SND, EDV, V, BEENCE, BEENCE CONC

D-13 Topo 1-25 AZ: 70

SND, EDV, V, HOUSE, DWAY

D-14 Topo 1-27 AZ: 70

SND, EDV, V, SND, V, DWAY

D-15 Topo 1-23 AZ: 70

SND, EDV, V, BEENCE

D-16 TOPO 1-33

SND, EDV, V, GRILL SOFT, V, B WALK, V, CONC DWAY

D-17 TOPO 1-31 AZ: 70

SND, EDV, V, DWAY

D-18 TOPO 1-30 AZ: 70

SND, EDV, V, DECK, CONC DWAY, V2

D-19 TOPO 1-26 AZ: 70

SND, EDV, V,

D-20 TOPO 1-35 AZ: 70

SND, EDV, V, PATH, V1, V2

D-21 TOPO 1-23 AZ: 70

SND, EDV, V, FENCE

D-22 TOPO 1-34 AZ: 70

SND, EDV, V, V2, V1, V2

D33

* END LINE DUE TO HOUSE *

* GAP DUE TO HOUSE ON LINE *

GAP DUE TO HOUSE

* GAP HOUSE * * POINT ON TOP OF GRILL *

* GAP DUE TO HOUSE *

9 of 33

BB.DA

OBY - PROFILES

12-5-17

D-23

TOPO 1-31

AZ 70

SND, EDU, U,

D-24

TOPO 1-42

SND, EDU, U, SND, BWALK, SND, U, DWAY, U,

D-25

TOPO 1-21

AZ 70

SND, EDU, U,

D-26

TOPO 1-25

AZ 70

SND, EDU, U, U₂, DWAY

D-27

TOPO 1-25

AZ 70

SND, EDU, U, HOUSE

D-28

TOPO 1-25

AZ 70

SND, EDU, U, BSWALL, BWALK, BWALL

D-29

TOPO 1-26

AZ 70

SND, EDU, U, FENCE

D-30

TOPO 1-19

AZ 70

SND, EDU, U, U₂, BFENCE

D-31

TOPO 1-35

AZ 70

SND, EDU, U, BWALK, TOWALK, BWALK, U, BWALK

D-32

TOPO 1-33

AZ 70

SND, EDU, U, SND, BFENCE, CONC, BFENCE, GRASS

D-33

TOPO 1-23

AZ 70

SND, EDU, U, BWALK, BWALK, BWALK PICS 6899-6901

* GAP DUE TO HOUSE * * BWALK AZ SHOT AROUND *

* GAP DUE TO HOUSE *

← BLUE CAMERA

BB DA

OBJ - PROFILES

12-5-A

BB DA

OBJ - PROFILES

12-5-12

D=34

Topo 1-28

Az: 70

SND, EDV, V₁, SWALK, SND

SS-01

Topo 1-37

Az: 70

SND, EDV, V₁, SWALK, ROAD

SS-02

Topo 1-34

Az: 70

SND, EDV, V₁, V₂, SND

-170+56

TOPO 1-33

AZ 66.6

SND, EDV, V, ROAD

-163+99

TOPO 1-46

AZ 66.6

SND, EDV, V₁, V₂, Grass, WALK, CONC DRIVEWAY

-157+41

TOPO 1-26

AZ 66.6

SND, EDV, V₁, BWALK, TBALK, V₁, WALK, HOUSE

-150+06

TOPO 1-26

AZ 65.31

SND, EDV, V₁, V₂

-140+00

Topo 1-21

AZ 65.31

SND, EDV, V₁

-130+00

Topo 1-28

AZ 65.31

SND, EDV, V₁, V₂, ROAD, SND, V₁

-120+00

Topo 1-32

AZ 65.31

SND, EDV, V₁, V₂

-110+00

Topo 1-29

AZ 62.57

SND, EDV, V₁, V₂

* HOUSE UNDER CONSTRUCTION *

* GAP DUE TO HOUSE *

* Gap Due to House

* DECK ON LINE SHOT UP TO BWALK THEN OFFLINE *

* HOUSE ON LINE = END

* End @ house, no clear way around dense V₂

* End line due to house construction

* GAP HOUSE / V₂ *

* END LINE @ DENSE VEG

BR

OBX PROFILES

12-13-17

0600 MOB @ HOUSE

0615 SET BASE @ WILLIAMS

2.0 M, Hgt. 10000, RTK / LOG

0630 SOD CHK @ KITTY

H 0.271 H 0.214

V 0.068 V 0.071

0645 SOD CHK @ ARCH

H 0.209 H 0.233

V 0.054 V 0.046

1445 EOD CHK @ ARCH

H 0.062 H 0.132

V 0.015 V 0.030

1510 EOD CHK @ KITTY

H 0.250 H 0.154

V 0.046 V 0.036

179+87 TOPO 1-27
 SND, EDU, V, ROAD

189+87 TOPO 1-23
 SND, EDU, V, ROAD

199+73 TOPO 1-31
 SND, EDU, V, ROAD

209+74 TOPO 1-29
 SND, EDU, V, ROAD

219+99 TOPO 1-29
 SND, EDU, V, DWAY, ROAD

229+83 TOPO 1-28
 SND, EDU, V, ROAD

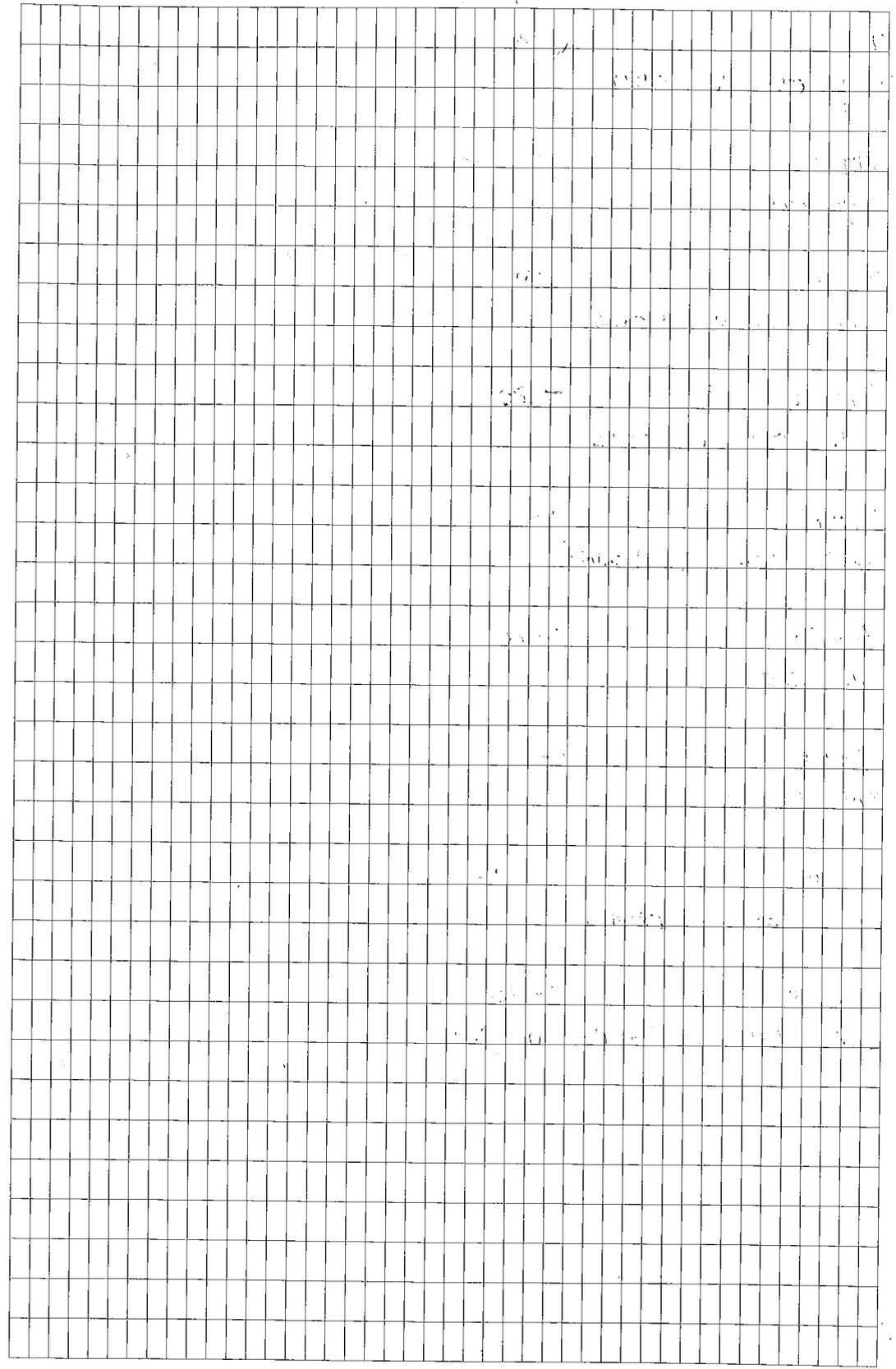
240+41 TOPO 1-35
 SND, EDU, V, ROAD

249+81 TOPO 1-37
 SND, EDU, V, ROAD

260+17 TOPO 1-38
 SND, EDU, V, DWAY, V, ROAD

269+49 TOPO 1-40
 SND, EDU, V, ROAD

279+80 TOPO 1-41
 SND, EDU, V, DWAY, V, ROAD



BB

SBY PROFILES

12-13-17

289+99

TOPO 1-23

SND, EDU, V, FENCE

299+92

TOPO 1-20

SND, EDU, V,

309+71

TOPO 1-22

SND, EDU, V, FENCE/HOUSE

326+05

TOPO 1-28

SND, EDU, V, FENCE

329+88

TOPO 1-35

SND, EDU, V, FENCE

340+20

TOPO 1-37

SND, EDU, V,

349+69

TOPO 1-33

SND, EDU, V,

359+82

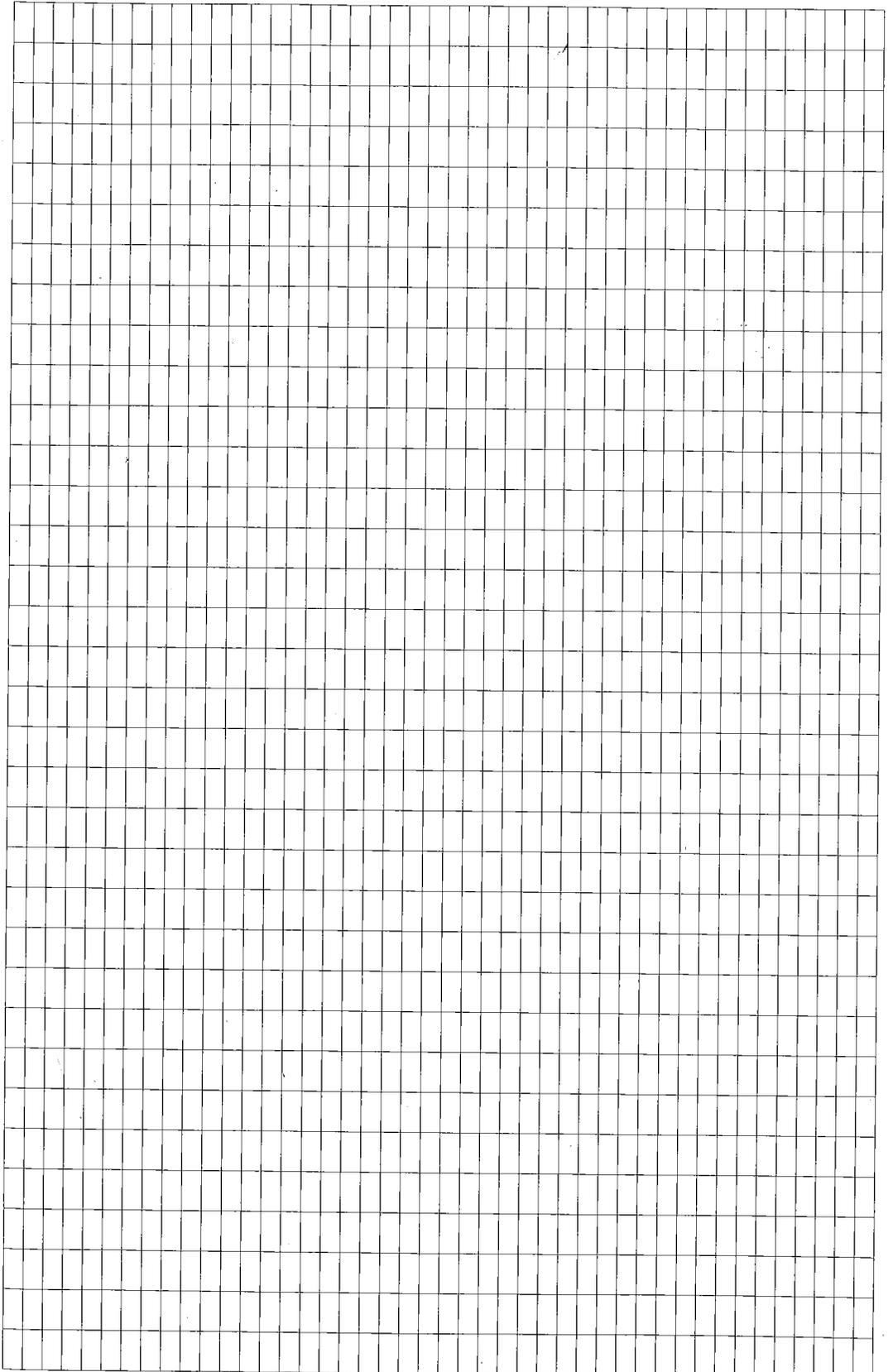
TOPO 1-37

SND, EDU, V, DWAY

369+89

TOPO 1-34

SND, EDU, V, PAVILION, V



N. CAROLINA FIELD BOOK

SWIMS



8418

Projects (continued)

O.B.X

Nov 30th, 2017

0700. Prep for day, load trucks w/ equip, pick up rental & supplies

~ 0930 - check in w/ Duck & A/E, set up base @ Tidal C, check @ C255
↓

Cont C, R8-2885	Cont A, R-8-2729		
$H_1 = 0.080$	$H_2 = 0.100$	$H_1 = 0.087$	$H_2 = 0.087$
$V_1 = 0.114$	$V_2 = 0.116$	$V_1 = 0.123$	$V_2 = 0.123$

1115 - Mob to Refuel & then hit the beach,
↳ J. Devisse, A. Priest, D. Addison
- C. Granger, B. Bussard cont, checks/control

1215 - Begin survey @ PI-17

~ 1615 - Finish up survey & grab EOD checks

Cont C, R-8 2885	Cont A, A-8 2729		
$H_1 = 0.112$	$H_2 = 0.118$	$H_1 = 0.085$	$H_2 = 0.086$
$V_1 = -0.029$	$V_2 = -0.032$	$V_1 = 0.024$	$V_2 = 0.030$

- Break down base & De Mob for the day

DA, JD, AP Cont (= Upland) Cont A = Swims Nov 30th, 2017

PI-17 Topo 1-43, +100-132 Az: 70 Mon: DNF
WSND, SND, EOV, V₁, V₂ Total Dist 1168 Pics (1375-1377)
SND, WSND, WL, W

PI-18 Topo 1-33, +100-129 Az: 70 Mon: DNF
WSND, SND, EOV, V₁, V₂ Total Dist 1125 Pics (1378-1380)
SND, WSND, WL, W

D-1 Topo 1-51, +100-136 Az: 70 Mon: DNF
WSND, SND, EOV, V₁, V₂ Total Dist 1036 Pics (1381-1383)
SND, WSND, WL, W

D-2 Topo 1-45, +100-127 Az: 70 Mon: DNF
WSND, SND, EOV, V₁, V₂, V₁, V₂ Total Dist 996.7 Pics (1384-1386)
SND, WSND, WL, W

D-3 Topo 1-54, +100-127 Az: 70 Mon: DNF
WSND, SND, EOV, V₁, BWalk, V₂, BWalk Total Dist 854 Pics (1387-1389)
SND, WSND, WL, W

D-4 Topo 1-37, +100-134 Az: 70 Mon: DNF
WSND, SND, EOV, V₁, V₂, V₁, BForce Total Dist 1079 Pics (1390-1392)
SND, WSND, WL, W

D-5 Topo 1-45, +100-135 Az: 70 Mon: DNF
WSND, SND, EOV, V₁, V₂, V₁, BWalk, V₁ Total Dist 1060 Pics (1393-1395)
SND, WSND, WL, W

- EOD -

* Pics on Yellow Survey cam

Upland - Recorded Topos till between two houses, slightly off line due to dense Veg.

* Swims = using 12' rod (~~XX~~ started Rec 12' high @ PT-18 Topo 102, prior cont. was Rec. 8' rod)
- (Upland) Group due to dense Veg (Topo 32-33). Lost radio

* D-1 swim Topos Labeled 1-36 !!! RE-NAME!
↳ Swimmers started offshore, then swim in.

- 43-44 Group due to dense Veg

- Topos 18-26 = Bwalk (ignore)
- Topos 27-35 → change rod height to soft shot

- Stopped @ Fenced in area of Resort

- Lost Radio - BWalk in-Line w/Az Topos 1-32 on N side of Walk
↳ Topos 33-38 on line + on BWalk
↳ Topos 39-45 on S. Side of Walk + Line

ID, AP, DA, BB

12/1/17

0730 SET BASE @ JENNI

0800 SODCHAK C255 FLD9 / FLD 10

H: 0.083 H: 0.102

V: 0.075 V: 0.072

0830 SODCHAK TIDAL C FLD 5 / FLD 6

H: 0.033 H: 0.073

V: 0.026 V: 0.035

0915 STREET AN BARCELONA

D-06 TOPO 100 -

AZ: 70

SND, WL, WSND, W

Pics (NA)

DO NOT USE THESE POINTS
* JULIEN AND ADAM ATTEMPTED LINE, TOO ROUGH TOOK
SOME POINTS BUT NEED TO RE-SURVEY

0700 LEFT HOUSE

0730 SET BASE @ JENN (NORTHEAST CORNER OF FRF PROPERTY)

0745 SODCHK @ 865 1370 C TIDAL (TSC3-A)

^{FLD7} H: 0.046	^{FLD8} H: 0.047
V: -0.061	V: -0.004

0750 SODCHK @ CAFFEY (TSC3-A)

^{FLD13} H: 0.100	^{FLD14} H: 0.066
V: -0.040	V: -0.052

1615 EODCHK @ 865 1370 C TIDAL (TSC3-A)

^{FLD20} H: 0.191	^{FLD21} H: 0.055
V: -0.010	V: -0.015

1625 EODCHK @ CAFFEY (TSC3-A)

^{FLD20} H: 0.017	^{FLD21} H: 0.098
V: -0.054	V: -0.074

1700 BREAK DOWN BASE @ JENN

JD/AP TSC3-A

12/2/17

D-26	TOPO 100-123	AZ 70	
SND, WSND, WL, W		PIC 116-118	
D-28	TOPO 100-127	AZ 70	
SND, WSND, WL, W		PIC 119-121	
D-29	TOPO 100-114	AZ 70	
SND, WSND, WL, W		PIC 122-124	
D-31	TOPO 100-119	AZ 70	
SND, WSND, WL, W		PIC 125-127	
D-32	TOPO 100-120	AZ 70	
SND, WSND, WL, W		PIC 128-130	
D-34	TOPO 100-119	AZ 70	
SND, WSND, WL, W		PIC 131-133	

DTG
700

825

575

660

665

600

0700

LEFT HOUSE

SET BASE @ JENN

SODCHK @ TIDAL C

H: H:

V: V:

SODCHK @ CAFFEY

H: H:

V: V:

EODCHK @

H: H:

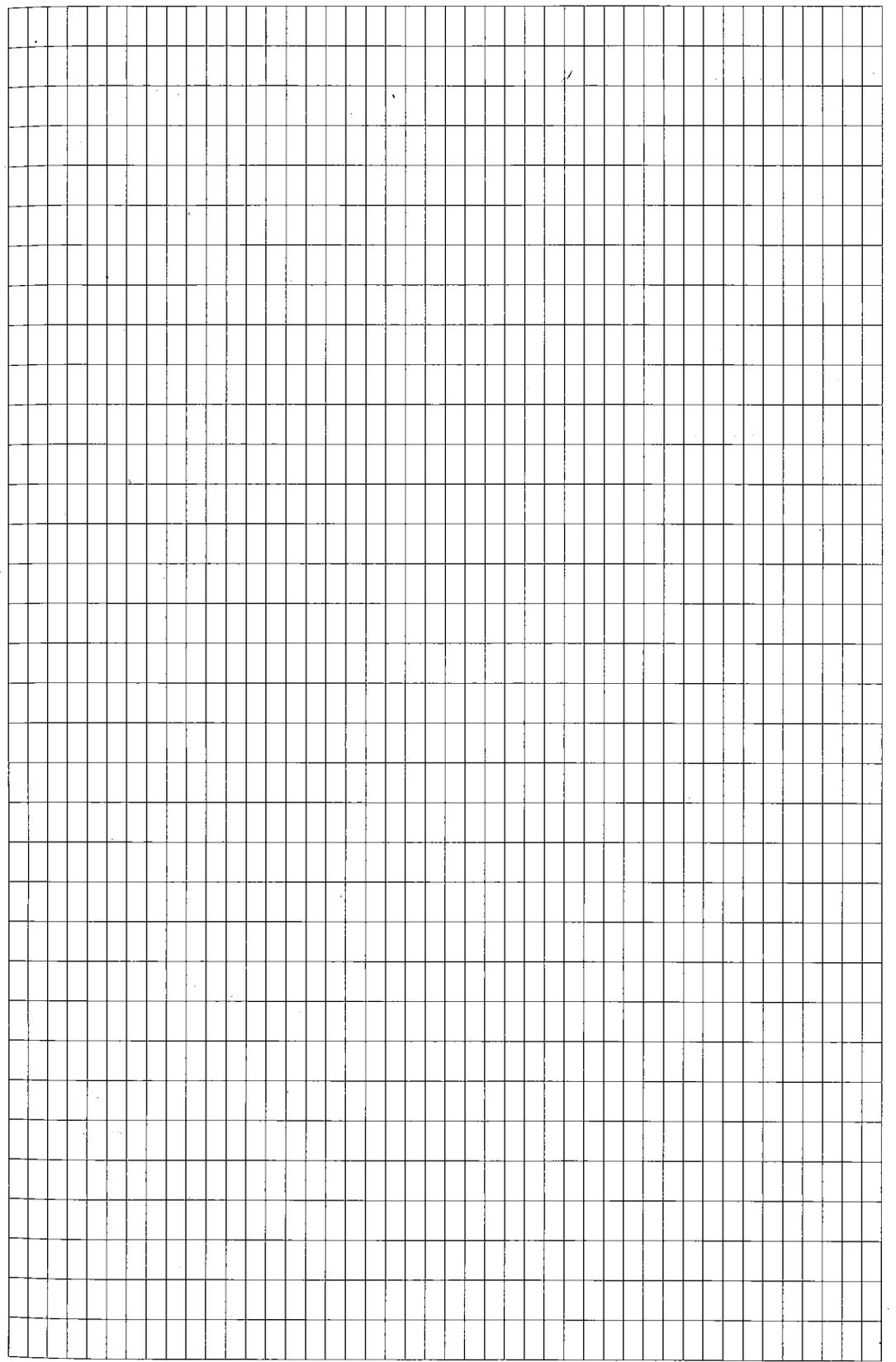
V: V:

EODCHK @

H: H:

V: V:

BATTERY ON TSC3-A DIED, NO
EOD CHKS



JD/AP

12/3/17

SS-02	Topo 100-119	AZ 70
SND, WSND, WL, W		PCS 1-4
SS-01	Topo 100-125	AZ 70
SND, WSND, WL, W		PCS 5-7
-163+99	Topo 100-119	AZ 66.6
SND, WSND, WL, W		PCS 8-10
-150+00	Topo 100-118	AZ 65.31
SND, WSND, WL, W		PCS 11-13
-140+00	Topo 100-119	AZ 65.31
SND, WSND, WL, W		PCS 14-16
-130+00	Topo 100-130	AZ 65.31
SND, WSND, WL, W		PCS 17-19
-120+00	Topo 100-118	AZ 65.31
SND, WSND, WL, W		PCS 20-22
-100+00	Topo 100-117	AZ 62.57
SND, WSND, WL, W		PCS 23-25
-80+00	Topo 100-119	AZ 62.57
SND, WSND, WL, W		PCS 26-28
-60+00	Topo 100-117	AZ 62.57
SND, WSND, WL, W		PCS 29-31
-40+00	Topo 100-120	AZ 62.57
SND, WSND, WL, W		PCS 32-34
-20+00	Topo 100-122	AZ 62.57
SND, WSND, WL, W		PCS 35-37

- Topo shots SND - WSND all @ incorrect rod height, change from 8'04" - 12'04". WL + on set to 12'04"

JD/AP

12/3/77

0+00		TOPO 100-130	AZ 62.6
SND, WIND, WL, W			PICS 38-40
9+99		TOPO 100-137	AZ 62.6
SND, WIND, WL, W			PICS 41-43
30+05		TOPO 100-133	AZ 62.2
SND, WIND, WL, W			PICS 44-46
50+28		TOPO 100-124	AZ 62.2
SND, WIND, WL, W			PICS 47-49
60+50*		TOPO 100-112	AZ 62.2
SND, WIND, WL, W			PICS 50-52
		TOPO 100-	
SND, WIND, WL, W			
		TOPO 100+	
SND, WIND, WL, W			
		TOPO 100-	
SND, WIND, WL, W			
		TOPO 100-	
SND, WIND, WL, W			
		TOPO 100-	
SND, WIND, WL, W			
		TOPO 100-	
SND, WIND, WL, W			

* NOTE THE CONTROLLER (TSC3-A) DIED AT THE BEGINNING OF THE SWIM PORTION. THE REMAINDER OF THE LINE WAS SWEPTED USING TSC3-C, STARTING @ PT 200

70+00 TOPO 100 - 123

SND, WSND, WL, W

80+00 TOPO 100 - 123

SND, WSND, WL, W

89+56 TOPO 100 - 126

SND, WSND, WL, W

99+99 TOPO 100 - 135

SND, WSND, WL, W

109+99 TOPO 100 - 119

SND, WSND, WL, W

119+99 TOPO 100 - 121

SND, WSND, WL, W

130+53 TOPO 100 - 125

SND, WSND, WL, W

138+26 TOPO 100 - 123

SND, WSND, WL, W

149+99 TOPO 100 - 125

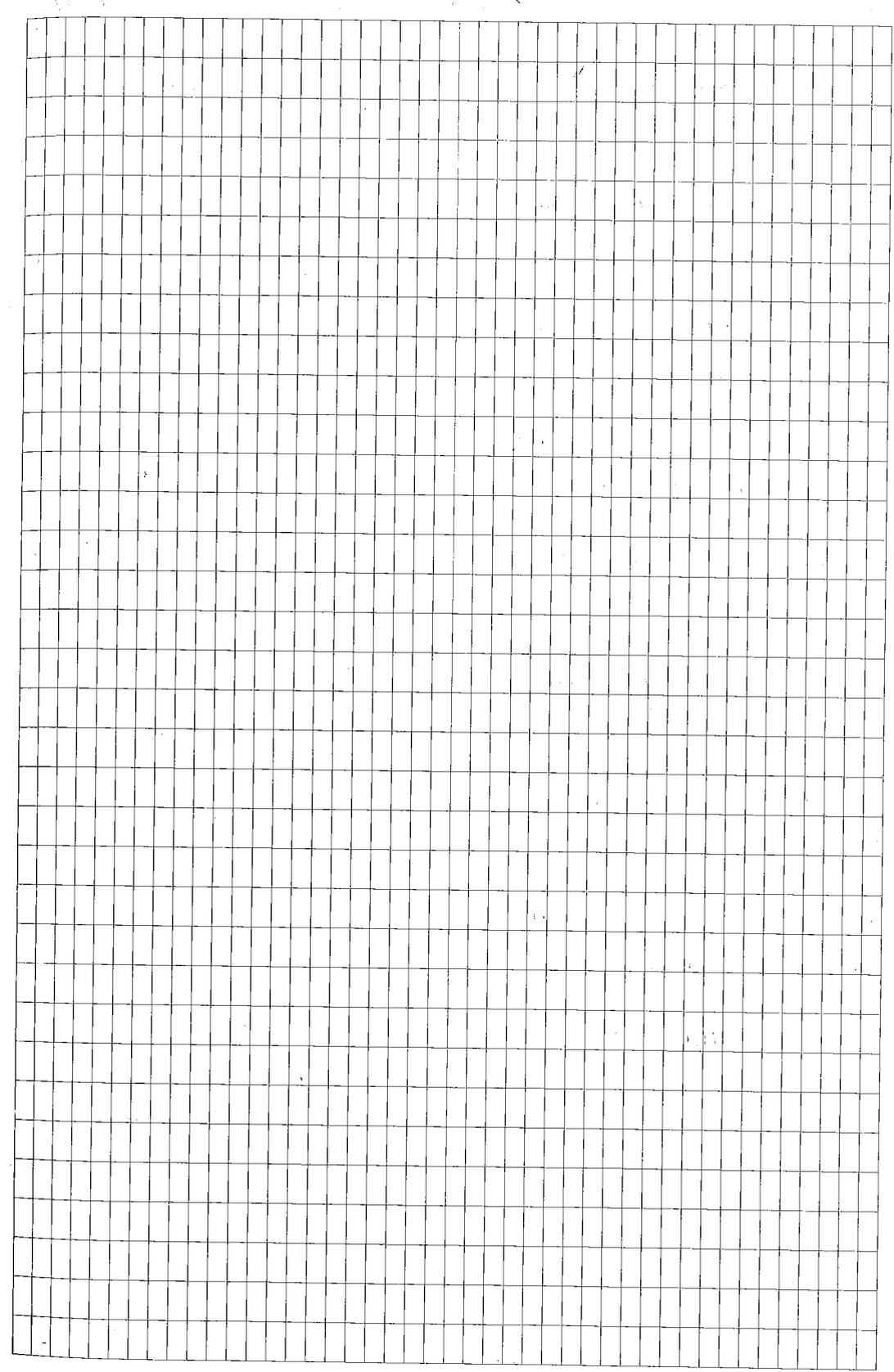
SND, WSND, WL, W

159+99 TOPO 100 - 124

SND, WSND, WL, W

169+70 TOPO 100 - 118

SND, WSND, WL, W



179+87 TOPO 100 - 121

SND, WSND, WL, W

189+87 TOPO 100 - 121

SND, WSND, WL, W

199+93 TOPO 100 - 119

SND, WSND, WL, W

209+74 TOPO 100 - 122

SND, WSND, WL, W

219+99 TOPO 100 - 119

SND, WSND, WL, W

229+83 TOPO 100 - 120

SND, WSND, WL, W

240+41 TOPO 100 - 121

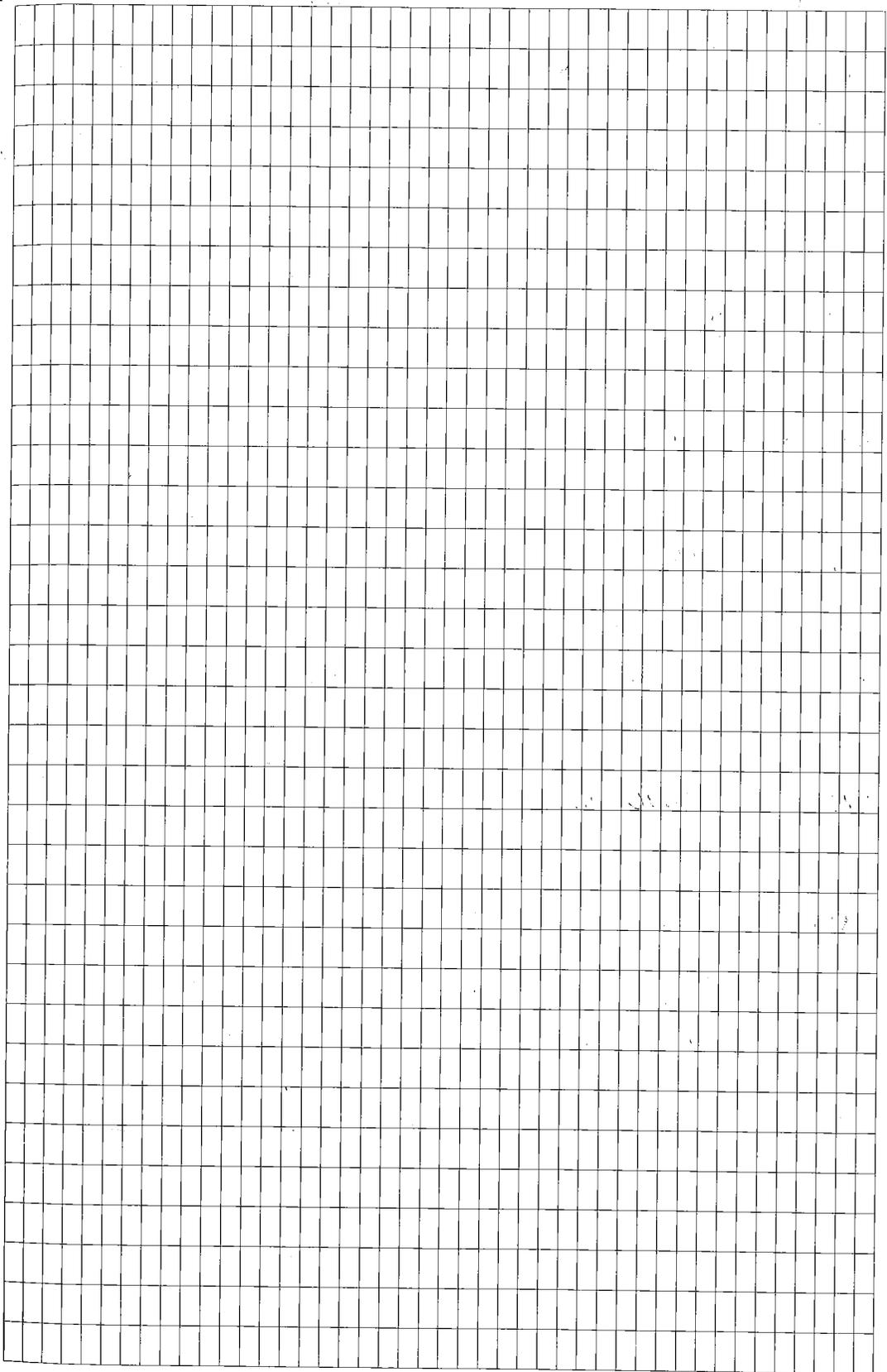
SND, WSND, WL, W

249+81 TOPO 100 - 119

SND, WSND, WL, W

260+17 100 - 120

SND, WSND, WL, W



AP JD

OBX PROFILES

12-12-17

269+19 TOPO 100-123

SND, WSND, WL, W

279+80 TOPO 100-119

SND, WSND, WL, W

289+99 TOPO 100-120

SND, WSND, WL, W

299+92 TOPO 100-124

SND, WSND, WL, W

309+71 TOPO 100-120

SND, WSND, WL, W

320+05 TOPO 100-115

SND, WSND, WL, W

329+88 TOPO 100-120

SND, WSND, WL, W

340+20 TOPO 100-122

SND, WSND, WL, W

349+69 TOPO 100-117

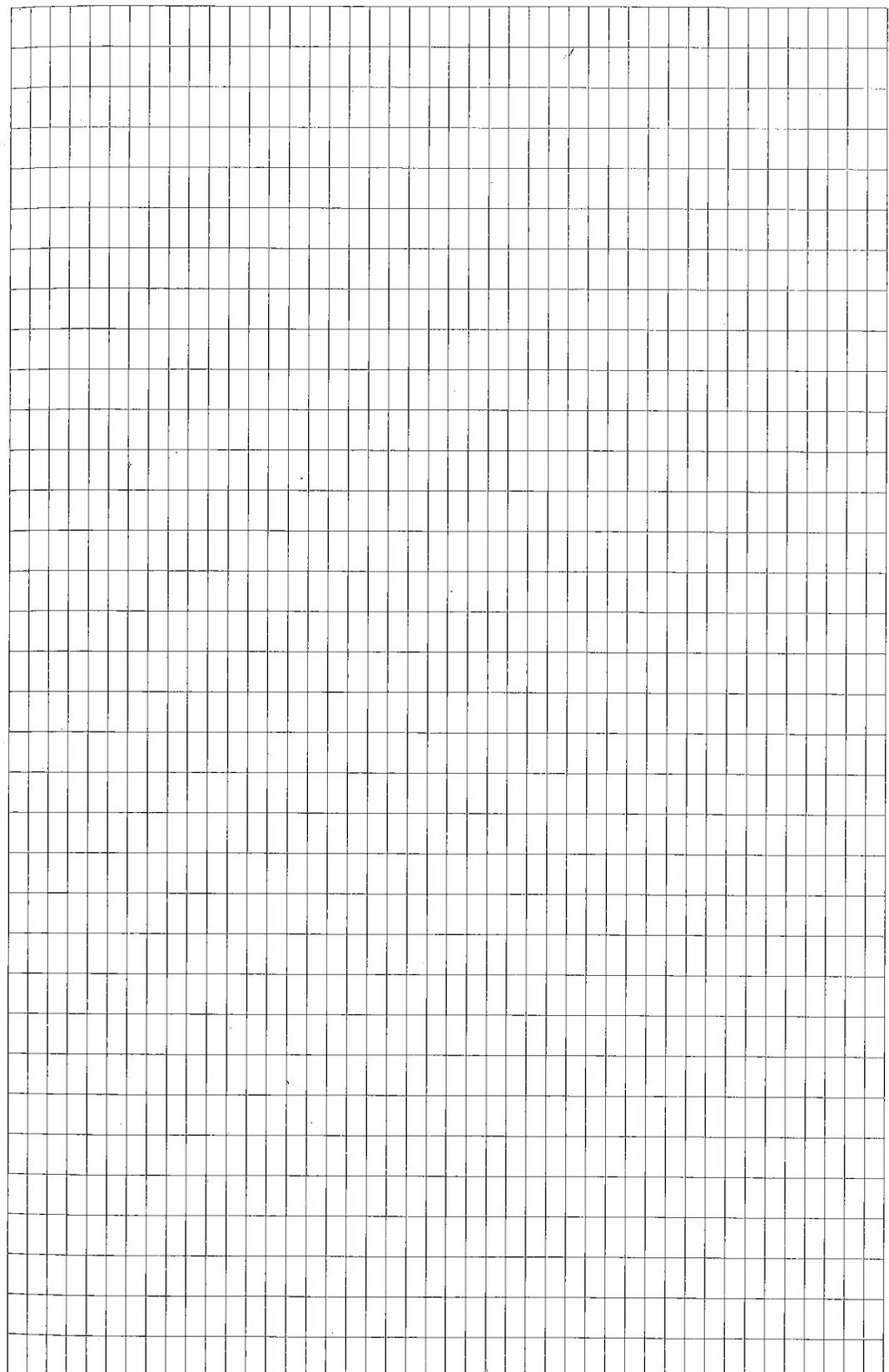
SND, WSND, WL, W

359+82 TOPO 100-125

SND, WSND, WL, W

369+89 TOPO 100-123

SND, WSND, WL, W



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N. CAROLINA
NAV BOOK



SINCE 1956

FLT
Geosystems

8416

NAV # 50

CG, TM

OBX Profiles

12/1/17

0630 MEET @ HOUSE

0700 PUT BOAT IN/MOB/FUEL

0945 MEASURE GPS OFFSET (9.2')

* YELLOW EXTENSION w/ GPS
MOUNT USED FOR SWAMP II
* 9.2' MEASURED 3.0'
TO BOTTOM OF ANTENNA

CG, TM

12/2/17

0630 MOB @ HOUSE

0715 ARRIVE @ BOAT / LEAVE DOCK

0900 SUP 4900

0930 BARCHECK 30'

1515 SUP 4900

1530 BARCHECK 30'

1645 @ DOCK

CG, Trm	OBX		12/2/17		
LINE	SOL	EOL	SOL	EOL	AZ
D10	283	397	10:13	10:19	250
D11	398	503	10:24	10:30	250
D12	504	611	10:35	10:42	250
D13	612	708	10:47	10:52	250
D14	709	810	10:59	11:04	250
D15	811	851	11:10	11:12	250
D15-1	852	929	11:15	11:18	250
D16	930	1029	11:23	11:31	250
D17	1036	1136	11:36	11:42	250
D18	1137	1237	11:47	11:53	250
D19	1238	1338	11:58	12:04	250
D20	1339	1439	12:10	12:16	250
D21	1440	1522	12:22	12:27	250
D22	1523	-	12:36	-	250
P23	16	1698	-	12:45	250
D24	1699	1800	12:56	12:56	250
D25	1801	1884	13:02	13:07	250
D25-1	1885	1923	13:08	13:11	250
D26	1924	2024	13:15	13:21	250
D27	2025	2127	13:26	13:31	250
D28	2129	2225	13:36	13:42	250
D29	2226	2328	13:47	13:53	250
D30	2329	2434	13:58	14:04	250
D31	2435	2534	14:10	14:16	250
D32	2535	2635	14:21	14:26	250

RMS	SPD	DTG	Comments
25	4.7	975	
25	5.0	775	
19	4.7	915	
19	4.8	1050	
20	4.9	1040	
17	4.8	-	OFFLINE
19	4.7	1025	
15	4.8	1680	
15	4.6	975	
17	4.9	975	
18	4.6	1046	
17	4.9	1000	
18	4.7	1000	
14	4.7	1000	
16	4.6	625	
21	4.7	650	
18	4.8	-	OFFLINE
18	4.7	620	
18	4.7	650	
21	4.9	800	CHECK ROLL
19	4.6	775	
20	4.9	525	
22	4.9	570	
22	4.7	610	
21	4.9	615	

CG, Trm

ORX

12/2/17

LINE SOL EOL SOL EOL AZ

D33 2636 2738 14:32 14:38 250

D34 2739 2835 14:44 14:49 250

D34.1 2836 2844 14:49 14:50 250

D35 2845 2944 14:52 15:01 250

4902

RMS SPD DTG

Comments

22 4.7 675

21 4.9 ~~550~~

20 3.0 550

18 4.7 630

- SSI

CG, Tm	OBX				12/3/17
LINE	SOL	EOL	SOL	EOL	AZ
J502	2945	~	8:30	-	250
-170	~	3183	-	8:58	246.6
-163499	3184	3288	9:01	9:08	246.6
-157441	3289	3382	9:13	9:18	246.6
-150	3393	3494	9:23	9:28	245.31
-140	3495	3603	9:34	9:40	245.31
-130	3604	3691	9:44	9:49	245.31
-120	3692	3793	9:54	10:00	245
-110	3794	3900	10:05	10:11	242.57
-100	3901	4004	10:15	10:22	242.57
-90	4010	4107	10:33	10:39	242.57
-80	4109	4206	10:44	10:49	242.57
-70	4207	4306	10:54	10:59	242.57
-60	4307	4403	11:04	11:10	242.57
-50	4404	4504	11:14	11:21	242.57
-40+00	4505	4608	11:25	11:32	242.57
-30	4609	4705	11:38	11:44	242.57
-20	4706	4810	11:49	11:55	242.57
-10	4810	4910	12:00	12:05	242.57
0500	4911	5010	12:09	12:15	242.2
PI-17	5011	5094	12:56	13:01	250
PI-18	5095	5179	13:04	13:09	250
D01	5180	5262	13:13	13:18	250
D02	5263	5351	-	13:26	250
D03	5352				250

RMS	SPD	DTG	Comments
16	4.7	535	
18	4.9	510	* USE <u>032</u> FOR US (RAN between J502 and 170)
16	4.8	500	
18	4.7	515	
21	4.9	560	
19	4.8	490	
24	4.6	1650	
21	4.9	530	
19	4.9	485	
24	4.9	510	
22	4.7	615	
21	4.9	620	
20	4.7	640	
19	4.8	650	
23	4.9	640	
22	4.8	625	
19	4.6	655	
21	4.8	550	
23	4.9	830	
25	4.7	610	
25	4.6	1030	
25	4.4	1000	
21	4.6	975	
18	4.8	900	
20	4.9		

12/11/17 OBY PROFILES

4884
4906

11/11/17

TM, DA

OBX

12-4-17

Line	SOL	EOL	SOL	EOL	Az
9+ 99.9	5982	6074	0946	0951	242.2
20+02.68	6075	6169	0956	1001	242.2
30+05.52	6170	6259	1008	1013	242.2
40+23.88	6260	6358	1019	1025	242.2
50+28.29	6359	6453	1033	1038	242.2
60+50.00	6454	6550	1045	1051	242.2

RMS	SPD	DTG	Tot DTG
20	4	729	679
19	4.5	713	663
18	4.25	811	761
16	5.0	598	548
17	5.0	724	674
14	5.5	650	600