



SINCE 1956

FLT
Geosystems

8418

2022 Currituck Survey

2022-05-13

FM, SL, RW

1230 Left office to go to Currituck County

1800 arrive in Currituck County

Currituck Survey 2022-05-14

FM, SL

0655 Left house TSC3-E/6237

0702 Arrive @ Adriatic, set up base station

0744 Arrive @ Ship (to SHIP-RESET), checks cables, SOD CHK Shippo

FLD24 H 0.029 FLD25 H 0.029

✓ - 0.091 ✓ - 0.091

Pictures of monument: 0005 - 0006

Pictures of dune scarp @ ship: 0007 - 0014

FLD 20 - 23 → Bad shots

0855 SOD CHK @ RADIO

FLD21 H 0.075 FLD22 H 0.114

✓ 0.122 ✓ 0.120

Pictures: 0015 - 0017

0940 Adriatic → Take down base station
Done flight → videos, photos near Adriatic

Ryan and Patrick set base @ Bella

1130 Check shots @ Adriatic

SOD CHK

FLD53 H 0.090 FLD50 H 0.070

✓ - 0.158 ✓ - 0.150

1135 SOD CHK @ Q261

FLD20 H 0.104 FLD21 H 0.083

✓ 0.146 ✓ 0.149

1155 Key in point for Bella "BELLA-IRD-KEYIN"

References

Vertical tolerance: 0.16

Horizontal: prefer 0.3, ok if it is 0.50

Hard shot height: 8.32

Soft shot height: 8.04

Pictures of scarp @ Adriatic Beach Access: 0001 - 0003

Picture of base station @ Adriatic: 0004

Antenna Height: 8.32

0830 shot Ship Reset OCP w/ RTK Radio

"SHIP-RESET-OCP10"

FLD20 → Bad shot, lost radio signal
w/ base station on Adriatic. Patrick
and Ryan will set repeater on ship

Notes: IP Address 192.168.142.10

Picture: 0018

Check shots FLD 30 - 53

Pictures: 0019 - 0022

Picture of dunes on beach road:

Currituck Beach Survey 2022-05-14 FM, RW, SL, P

1240 C-002 Topo: 1 - 107 upland
SND, EOV, V_1 , V_2 , V_1 , V_2

1308 C-004 Topo 1 - 56 Upland
SND, EOV, V_1 , gravel, SND
↳ see notes, forgot EOV/SND, should be after scarp (landward)

1337 C-006 Topo 1 - 97
SND, EOV, V_1 , V_2 , V_1 , V_2

1402 C-008 Topo 1 - 98
SND, EOV, V_1 , V_2 , SND, V_2

1428 C-010 Topo 1 - 92
SND, EOV, V_1 , V_2

1452 C-012 Topo 1 - 115
SND, EOV, V_1 , V_2

1519 C-014 Topo 1 - 94
SND, EOV, V_1 , V_2 , V_1 , V_2

1552 C-016 Topo 1 - 109
SND, EOV, V_1

1615 C-018 Topo 1 - 99
SND, EOV, V_1 , SND, V_1 , V_2 , V_1

SND, EOV, V_1 , V_2 , V_3

C001 Topo 1 → Bad shot Photo 0025-0026
↳ no underscore, but space
Antenna height: 8.04

Large Scarp forgot EOV, and V_1
after scarp is EOV then V_1 Photo 0027

Pictures: 0028-0029
Topo 17 → Bad Point, do not use

Pictures: 0030, data gap due to bush

Pictures: 0031-33

Battery died when it had 30% charge left
Pictures: 0034-0035

Forgot EOV and V_1 , Topo is EOV
Photo: 0036 House next to lines

Pictures: 37

Currituck Beach Survey 2022-05-14 FM, SL, RW, P

1637 C-020 Topo 1 - 106
SND, EOV, V₁, V₂, V₁, RD, V₁

1702 C-022 Topo 1
SND, EOV, V, SND, v, SND, road, v,

1757 EOD CHK @ Adriatic
FLD 54 H 0.118 FLN 54 H 0.109
V -0.130 V -0.137

1807 EOD CHK @ Q261
FLD 22 H 0.078 FLN 23 H 0.084
V -0.126 V -0.151

1830 Return to house

Photo # 0038 Dirt Road on line,
Antenna height = 8.04 for dirt road

Ran adjacent to house, several points offset due to
stairwell, several points near house have poor precision
Dirt Road → Antenna heights remain 8.04.
Pictures: 0039-0048

Base station @ Bella
Antenna Height: 8.32 ft

Currituck Beach Survey 2022-05-15 FM, SL
0645 Left house TSC 3 E / 6237

705 SODCHK @ Caffer
FLD 20 H 0.085 FLD 21 H 0.116
V -0.065 V -0.067

725 SODCHK @ Radio
FLD 40 H 0.035 FLD 41 H 0.045
V -0.013 V -0.012

836 C-120 TOPO 500-538 Swims
SND, WSND, WL, W

1021 C-118 TOPO 500-553
SND, WSND, WL, W

1100 C-116 TOPO 500-546
SND, WSND, WL, W

1200 C-114 TOPO 500-556
SND, WSND, WL, W

1230 C-112 TOPO 500-554
SND, WSND, WL, W

1320 C-110 TOPO 500-551
SND, WSND, WL, W

1430 C-108 TOPO 500-575 Swims
SND, WSND, WL, W

1645 C-108 TOPN 1-79 Upland
WSND, V1, V2, V3, V4, V5, V6, V7, V8, V9, V10, V11, V12, V13, V14, V15, V16, V17, V18, V19, V20, V21, V22, V23, V24, V25, V26, V27, V28, V29, V30, V31, V32, V33, V34, V35, V36, V37, V38, V39, V40, V41, V42, V43, V44, V45, V46, V47, V48, V49, V50, V51, V52, V53, V54, V55, V56, V57, V58, V59, V60, V61, V62, V63, V64, V65, V66, V67, V68, V69, V70, V71, V72, V73, V74, V75, V76, V77, V78, V79, V80, V81, V82, V83, V84, V85, V86, V87, V88, V89, V90, V91, V92, V93, V94, V95, V96, V97, V98, V99, V100
Changed Antenna height

Base Station @ Rudee
Antenna height 8.32 ft

Photos: 001-004

Beach Access near Radio Photos: 5-7

Photo: 009-011 DTG: 795 539 is
Tides was 2.0 ft at 9:00 am shot

Photos 12-14

Photos: 15-17 Tides at 1:00 are 2.5 ft

Photos: 18-20

Photos: 21-23 Tides at 12:30 are 2.0 ft

Photos 24-26

Photos: 27-29 Tides at 12:30 1 ft
Switched to uplands

Antenna height: 8.04 Photo: 30
Forgot FOV Line between houses
at TOD →

Currituck Beach Survey 2022-05-15 FM, SL, RW, P

1656 C-110 Topo 1-
WSND, SMD, EOV, V₁, V₂, V₁, CONC

1710 C-112 Topo 1-43
WSND, SMD, EOV, V₁, V₂

1736 C-114 Topo 1-46
SMD, EOV, V₁, V₂, GRASS, CONC,
GRASS, ROAD, V₁

1800 C-116 Topo 1-54
WSND, SMD, EOV, V₁, V₂, Wall, V₁
CONC,

1818 C-118 Topo 1-44
SMD, EOV, V₁, V₂, V₁, CONC, ROAD, V₁

1830 C-120 Topo 1-58
SMD, EOV, V₁, V₂, V₁

1900 EODCHK @ Radio
FLD60 H 0.281 FLD61 H 0.317
V -0.036 V -0.02

1920 EODCHK @ Caffey
FLD55 H 0.184 FLD56 H 0.166
V -0.036 V -0.052

Antenna height: 8.04

Data gap after dune crest due to board walk

CONC Antenna height = 8.32

Pictures: 0031-0032

Pictures: 0033-0034

Large dune scarp, board walk on line, house on line

For CONC, Road → Antenna Height = 8.32

Pictures: 0035-0037

Pictures: 38-39 Sand fence
and scarp
Wall antenna 8.32 → 8.04 → 8.32
House on line

SAND Fence on line

Antenna height = 8.32 for CONC, ROAD

Pictures: 40-41

Pictures: 42-43

650 Leave House TSC3-E/6237

0700 Get Gas

0816 SODCH @ Caffey

FLD60 H 0.046

v 0.092

FLD61 H 0.036

v 0.076

900 C-120 TOPO 700-706

w

940 C-112 TOPO 700-705

w

1015 C-106 TOPO 500-548

SND, WSND, WL, W

1050 C-104 TOPO 500-556

SND, WSND, WL, W

1140 C-102 TOPO 500-575

SND, WSND, WL, W

1300 C-100 TOPO 500-553

SND, WSND, WL, W

1340 C-098 TOPO 500-554

SND, WSND, WL, W

1400 C-096 TOPO 500-562

SND, WSND, WL, W

1440 C-094 TOPO 500-568

SND, WSND, WL, W

Went to RUN No good checks 7:10am

← Antenna needs to be changed to 12.04
used 3.04 accidentally

Photos: 001-003

Photos: 004-006

Tides at ^{11:30}
1.5 ft

Photos 007-009

Rod snap redid
1.1 ft

Photos 10-12

Tides at 1327
2.0 ft

Photos 13-15

Photos 16-18

Photos 19-21

1530 EODCHK @ Caffer
 FLD 63 H 0.173 FLD 64 H 0.272
 ✓ 0.157 ✓ 0.154

1550 EODCHK @ Radio
 FLD H FLD H
 ✓ ✓

1607 Arrive at House

1700 EODCHK @ Caffer
 FLD 66 H 0.067 FLD 67 H 0.053
 ✓ 0.024 ✓ 0.027

1710 EODCHK @ Radio
 FLD 65 H 0.121 FLD 66 H 0.1246
 ✓ 0.062 ✓ 0.052

1800 Back at house

Antenna height 8.32

Thunder storm

640 Leave House TSC3-E / 6237

650 SODCHK @ Q261
 FLD40 H 0.023 FLD41 H 0.025
 V 0.102 V 0.100

700 SODCHK @ Adriatic
 FLD60 H 0.009 FLD61 H 0.014
 V 0.075 V 0.069

750 C-092 TOPO 500-556
 SND, WSND, WL, W

830 C091 TOPO 500-553
 SND, WSND, WL, W

850 C090 TOPO 500-553
 SND, WSND, WL, W

945 C088 TOPO 500-560
 SND, WSND, WL, W

1035 C086 TOPO 500-558
 SND, WSND, WL, W

1120 C084 TOPO 500-556
 SND, WSND, WL, W

1150 C082 TOPO 500-560
 SND, WSND, WL, W

1220 C080 TOPO 500-554
 SND, WSND, WL, W

Recorded points as Q251 instead of Q261

Code says date is 05/14/22 actual date is 05/17/22

Photos: 22-24 tides Antenna height at 830 12.64
 1.5ft

Photos: 25-27

Photos: 28-30

Photos 31-33 ^{possible} Bad shots at end tides at 1000 at 141 gap between points

Photos: 34-36 TOPO 519 Bad shot

Photos: 37-38 TOPO 556 Bad shot

Photos: 39-41 tides at 1200

Photos: 42-44 1.5ft

1250 C078 TOPO 600-850
SND, WSND, WL, W

1330 C076 TOPO 500-562
SND, WSND, WL, W

1400 C074 TOPO 500-562
SND, WSND, WL, W

1430 C072 TOPO 500-566
SND, WSND, WL, W

1450 C070 TOPO 500-562
SND, WSND, WL, W

1520 C068 TOPO 500-563
SND, WSND, WL, W

1600 C066 TOPO 500-556
SND, WSND, WL, W

1640 C064 TOPO 500-559
SND, WSND, WL, W

1740 EODCHK @ Q261
PLD35 H 0.135 V 0.131
PLD36 H 0.121 V 0.137

1745 EODCHK @ Adriatic
PLD65 H 0.102 V 0.129
PLD66 H 0.054 V 0.127

Photo: 45-47 Red line used wrong azimuth

Photos: 48-50 Tides at 1400 1ft

Photos: 51-53

Photos: 54-56

Photos: 57-59

Photos: 60-62 541 Bad shot

← Photos: 63-65

Photos: 66-68 551 possible Bad shot

Currituck Survey 2022-05-16 FM & SL

640 Leap House

TSC3-E/6237

740) 500 CHK @ Adipatic

FLD 68 H 0.074 FL1769 H 0.053
V -0.065 V -0.058

750 500 CHK @ Q261

FLD 80 H 0.107 FL081 H 0.102
V -0.02 V 0.001

820 C063 TOPO 500-558

SND, WSND, WL, W

850 C062 TOPO 500-547

SND, WSND, WL, W

920 C061 TOPO 500-551

SND, WSND, WL, W

950 C060 TOPO 500-547

SND, WSND, WL, W

1020 C059 TOPO 500-551

SND, WSND, WL, W

1100 C058 TOPO 500-562

SND, WSND, WL, W

1130 C057 TOPO 500-565

SND, WSND, WL, W

1200 C056 TOPO 500-569

SND, WSND, WL, W

Photos: 70-72

Photos: 73-75 tides at 1.57
850

Photos: 76-78

Photos: 79-81 tides at 1.57
at 950

Photos: 82-84

Photos: 85-87

Photos: 88-90

Photos: 91-93

- 1230 C055 TOPO 500-555
SND, WSND, WL, W
- 1320 C054 TOPO 500-566
SND, WSND, WL, W
- 1350 C053 TOPO 500-564
SND, WSND, WL, W
- 1430 C052 TOPO 500-567
SND, WSND, WL, W
- 1500 C051 TOPO 506-580
SND, WSND, WL, W
- 1530 C050 TOPO 500-570
SND, WSND, WL, W
- 1600 C049 TOPO 500-573
SND, WSND, WL, W
- 1627 C048 TOPO 500-566
SND, WSND, WL, W
- 1655 C047 TOPO 500-563
SND, WSND, WL, W
- 1727 C046 TOPO 500-563
SND, WSND, WL, W
- 1800 C045 TOPO 500-566
SND, WSND, WL, W
- 1817 C044 TOPO 500-558
SND, WSND, WL, W

Photos: 91-93

Photos: 94-96 ^{Point names} maybe off
Camera died

← Photos on Sam's Phone

← Photos on Sam's Phone

Photos: 96-98

Photos: 99-101

Photos: 102-104

Photos: 105-107

Photos: 108-110

1850 EODCHK @ Admitt

FLD75

H 0.066

FLD76

H 0.037

V -0.032

V -0.010

1900 EODCHK @ Q261

FLD65

H 0.077

FLD66

H 0.055

V -0.014

V -0.028

1900 Arrive at House

Currituck

2022-05-19

FM, SL

610 Leave Hase

TSC3-E/6237

620 SODCHK @ Q261

FLD68

H 0.092 FLD69

H 0.072

V 0.021

V 0.034

640 SODCHK @ Asiatic

FLD78

H 0.069 FLD79

H 0.071

V 0.136

V 0.097

722 C042 TOPO 500-560

SND, WSND, WL, W

800 C040 TOPO 500-554

SND, WSND, WL, W

840 C038 TOPO 500-550

SND, WSND, WL, W

910 C036 TOPO 500-570

SND, WSND, WL, W

944 C034 TOPO 500-559

SND, WSND, WL, W

1015 C032 TOPO 500-555

SND, WSND, WL, W

1050 C030 TOPO 500-551

SND, WSND, WL, W

1124 C028 TOPO 500-559

SND, WSND, WL, W

Photos: 111-113

Photos: 114-116

Photos: 117-119

Photos: 120-122

Photos: 123-125

Photos: 126-128

Photos: 129-131

Photos: 132-134

1200 C026 TOPD 500-558
SND, WSND, WL, W

1230 C024 TOPD 500-552
SND, WSND, WL, W

1420 C020 TOPD 500-582
SND, WSND, WL, W

1456 C018 TOPD 500-565
SND, WSND, WL, W

526 C016 TOPD 500-554
SND, WSND, WL, W

600 C014 TOPD 500-576
SND, WSND, WL, W

630 C012 TOPD 500-571
SND, WSND, WL, W

1700 C010 TOPD 500-569
SND, WSND, WL, W

EODCHK @ Adriatic

FLD70	H 0.239	FLD71	H 0.249
	V -0.050		V -0.035

RODCHK @ Q261

FLD85	H 0.145	FLD86	H 0.056
	V 0.057		V 0.015

Photos: 135-137

Photos: 138-140

Photos: 141-143

← Photos: 144-146
Label Prints

C13 not C18 Photos: 147-149

Photos: 150-152

Photos: 153-155

Photos: 156-158

700 Leave House

TSC3-E/6237

730 SODCHK @ Q261

FLD90 H 0.059 FLD91
V -0.028H 0.041
V -0.030

740 SODCHK @ Adriatic

FLD80 H 0.072 FLD91
V -0.018H 0.055
V -0.024

830 C008 TOPO 500-561

SND, WSND, WL, W

900 C006 TOPO 500-548

SND, WSND, WL, W

925 C004 TOPO 500-560

SND, WSND, WL, W

1000 C002 TOPO 500-

SND, WSND, WL, W

1138 C042 Topo 1 - 146

SND, EOV, V₁, ROAD, V₁, Gravel, V₁, road, V₁

1200 C040 TOPO 1 - 155 took tide shot

SND, EOV, V₁, ROAD, V₁

1244 C044 Topo 1 - 130

SND, EOV, V₁, road, V₁, V₂, V₁, SND

Antenna height = 8.32

Photos: 159-161

Antenna height = 12.04

Photos: 162-164

Photos: 165-167

Photos: 168-170

Antenna height = 8.04

Pics: 171-172

1st Road is dirt road. 1st Dirt road located between 1st and 2nd dune, house on line → very edge of line
2nd road is a dirt road as well

Dirt Road on line
pics 173

SAND fence on line, dirt road on line, vegetation gap
pics: 174-175

Currituck

2022-05-20

FM, SL

1311 Tide shot

1312 C046 , Topo 1 - 192
SND, V₁, V₂, V₁

1350 C048 Topo 1 - 124

SND, EOV, V₁, V₂, V₁

1420 C050 TOPO 1 - 133

SND, EOV, V₁, SMD, V₁, V₂, SND, V₁, V₂

1456 C052 TOPO 1 - 132

SND, EOV, V₁, V₂, V₁, V₂

1522 Tide shot → one bad shot

1525 C054 Topo 1 - 116

SND, EOV, V₁

1555 C056 Topo 1 - 97

SND, EOV, V₁, V₂

1615 C058 TOPO 1 - 112

SND, V₁, V₂ Tide shot

1641 C060 Topo 1 - 66

SND, EOV, V₁, V₃Forgot EOV, V₁ EOV at TOD

Dense vegetation → neg gap 2x

Pics: 178-179

line runs on side of dune tide shot

line runs on side of dune

Photo: 180 Took two sets of points
 Set two starts at TOPO 1000 - 1008
 ↳ First set goes in hole (on line), second set around pole

Forgot EOV EOV at TOD

Large scallop on frontal dune

Pic: 182

1700 EODCHK @ Adnatk
FLD82 H 0.083 FLD83 H 0.136
V -0.051 V -0.044

1710 EODCHK @ Q261
FLD93 H 0.229 FLD94 H 0.380
V -0.002 V -0.031

Currituck 2022-05-21 FM, SL

0645 left house TSC3-E/6237

0700 SODCHK @ ADRIATIC VRS
 FLD 90 H 0.105 FLD 91 H 0.082
 V 0.041 V 0.062

0710 SODCHK @ Q261 VRS
 FLD 100 H 0.082 FLD 101 H 0.147
 V -0.030 V -0.016

0720 COSA TOPOI-86 VRS
 SND, EOV, V₁, V₂

750 CO61 TOPOI VRS
 SND, EOV, V₁, V₃, V₁, ROAD, V₁

800 SODCHK @ Adriatic RTK
 FLD 95 H 0.046 FLD 96 H 0.025
 V 0.005 V 0.001

820 SODCHK @ Q261 RTK
 FLD 97 H 0.039 FLD 98 H 0.035
 V 0.045 V 0.036

840 CO62 TOPOI-70 VRS
 SND, EOV, V₁, V₂, V₃, V₂, V₁, ROAD, V₁

900 CO64 TOPOI-83 VRS
 SND, EOV, V₁, V₃, V₁, ROAD, V₁

Antenna height 8.32

Antenna height 8.04 Pics: 183
 Dune scarp online

Veg good, Ant height 8.32, 8.04 Pics: 184-186
 Large dune scarp

Large dune scarp, dense vegetation
 Antenna height for road = 8.32 ft
 Antenna height for other = 8.04 ft
 First V₁ shot after road was antenna height as 8.32
 ↳ use 2nd shot after road
 Pics: 187

Poor precision house and trees
 Antenna height 8.32 TOPO 79 is odd
 ↳ for road shots, 8.04 ft for other shot

Currituck		2022-05-21		FM, SL
0939	L-066	Topo 1 - 114		VRS
		SND, EOV, V ₁ , V ₃ , V ₁ , Road		
1000	L-068	Topo 1 - 103		VRS
		SND, EOV, V ₁ , V ₃ , V ₁ , V ₃ , V ₁ , Rd, V ₁		
1039	C070	Topo 1 - 54		VRS
		SND, EOV, V ₁ , V ₂ , V ₃ , V ₁ , CONC, Road		
1100	Tide Shot	0.5 ft		VRS
1102	C072	Topo 1 - 87		
		SND, EOV, V ₁ , V ₂ , V ₁ , Gravel, CONC, Rd, V ₁		
1128	C074	Topo 1 - 71	→ Label as C0724	VRS
		SND, EOV, V ₁ , V ₃ , V ₁ , ROCKS, V ₁ , ROAD		
1150	C076	Topo 1 - 115		VRS
		SND, EOV, V ₁ , V ₂ , V ₁ , V ₂ , V ₁ , Road, V ₁		
1222	Tide Shot	- 1ft		VRS
1225	C078	Topo 1 - 94		VRS
		SND, EOV, V ₁ , V ₂ , V ₁ , V ₃ , V ₁ , Road,		
		↳ veg gap		
1248	C080	Topo 1 - 80		VRS
		SND, V ₁ , V ₂ , V ₃ , CONC, V ₁ , Rd, V ₁		
1316	Tide Shot	- 1ft		VRS

AH = Antenna Height

Pics: 188-189
 Antenna height = 8.04 ft except for road where AH = 8.32

PDOP Ant height 8.32 ft for Rd
 8.04 for everything else
 overhead trees/houses caused bad precision

AH is 8.04 except for CONC and ROAD where AH = 8.32
 Sand Fence on line,

Board walk on line at dune shot to right E BW
 AH 8.32 for Rd and CONC, AH 8.04 everything else
 ↳ Pics: 190

AH 8.04 for everything except rocks and roads (AH = 8.32)
 Data gap due to vegetation behind dunes

Topo 9 bad shot Board walk on line
 Topo 112 bad shot Photos: 191-192
 AH = 8.04 for everything except Road (AH = 8.32 ft)
 Poor precision on a few shots due to board walk
 Board walk goes along the entire line,

Data gap due to vegetation @ V3
 AH = 8.04 for everything except road (AH = 8.32)

AH = 8.32 ft at CONC and Rd
 AH = 8.04 ft for everything else
 Poor precision in V3 due to overhead trees
 Forgot FOV initially, Topo 33 went back and took EOV shot

1320 C082 Topo 1-62 VRS
SND, EOV, V₁, ROAD

1340 C084 Topo 1- VRS
SND, EOV, V₁, V₂, V₁, V₂, V₃, V₁, V₂, V₁,
CONC, V₁, ROAD

1412 Tide shot - 1ft VRS

1414 C086 - Topo 1-93 VRS
SND, EOV, V₁, V₃, V₁, V₂, V₁

1420 C088 Topo 1-80 VRS
SND, EOV, V₁, V₃, V₁, ROAD

1503 C090 Topo 1-100 VRS
SND, EOV, V₁, V₂, V₁, V₃, V₁

1530 C092 Topo 1-92 VRS
SND, EOV, V₁, V₃, V₁, gravel, V₁, CONC, V₁,
CONC, V₁

1610 C0

AH = 8.04ft for everything except Road (AH = 8.32)
Line runs next to the side of a dune. Based upon
previous data, it looks like line runs over dune
next to line. Topo 1-62 stays on line. Topo
1000 - 1014 runs offset to line and goes over
the dune. Dune is @ ~ -2ft offset

House on line, dense vegetation
First V₁ shot after CONC has wrong atenn Height
AH = 8.04ft except CONC and ROAD (AH = 8.32)

Data gaps due to dense vegetation and house
AH = 8.04 except for Road (AH = 8.32)
Photo 193

Topo 90 is bad shot Veg gaps at V₂ and V₃
Photo: 194

Large data gap due to thick vegetation, several
spots with poor precision due to houses/trees
AH = 8.04 except for gravel, CONC (AH = 8.32)

Pics: 195

Corrituck Survey 2022-05-21 FM, SL

1600 C094 Topo 1 -
SND, EOV, V₁, V₃ VRS

1630 C096 Topo 1-72
SND, EOV, V₁, V₂, V₃, V₁, V₃ VRS
CONC

1700 C098 Topo 1-93
SND, EOV, V₁, V₃, V₁, CONC VRS

1723 C100 Topo 1-78
SND, EOV, V₁, V₂, V₃

1743 C102 Topo 1-42
SND, EOV, V₁, CONC, Rd

1805 C104 Topo 1-117
SND, EOV, V₁, V₃, V₁, CONC, V₁, CONC, V₁

1900 Take down base @ Tucker

1945 Return to house

AH = Antenna Height

AH = 8.02 ft

may have veg gap in V₃ due to vegetation

AH = 8.32 for CONC AH = 8.04 everywhere else

Darker gaps due to thick vegetation

Poor precision in several locations due to trees

Pics: 196

AH = 8.04 except for CONC (AH = 8.32)

Line goes under house on stilts, surveyed under house
but had poor precision

Poor precision in V₃

Photo: 197 AH = 8.04

AH = 8.32 for Rd and CONC
House on line - house gap Photos: 198

AH = 8.04 except for CONC (AH = 8.32)

Forgot EOV, located @ Dune Scarp Photo: 199

0700	Left house		7503-E/6237	
0715	SODCHK @	Q 261		RTK
	FL0102 #	0.091	FL0103 #	0.066
	✓	0.050	✓	0.061
0737	SODCHK @ AdNatic			RTK
	FL0104 #	0.072	FL0105 #	0.091
	✓	0.098	✓	0.088
0800	SODCHK @ Radio			VRS
	FL030 #	0.06	FL081 #	0.050
	✓	0.037	✓	0.018
0815	SODCHK @ Caffey			VRS
	FL070 #	0.017	FL071 #	0.018
	✓	-0.046	✓	-0.036
0845	Set temporary gcp in PI Zone 5			VRS
	Labeled as "PI-GCP-Temp-0"			
0849	Sam flying PI Zone 5			Flight
0852	C120	Topo	800 - 815	VRS
		SND, wSND		
0908	C119	Topo	800 - 814	
		SND, wSND		
0923	Pick up Zone 5 temp GCP			
0931	Set temp GCP in PI Zone 4			
	↳ Labeled as "PI-GCP-Temp-1"			

AH = 8.32

AH = 8.32

AH = 8.32

AH = 8.32

Pic 200 , AH = 8.32

AH = 8.04

AH = 8.04
Photos ? 201 - 203

Photo 204
AH = 8.32

Currituck Survey 2022-05-22 FM SL

0935 Sam Flying PI Zone 4 Flight

0936 C118 Topo 800 - 832* ^{see note} VRS
SND, WSND

0947 C117 Topo 800 - 818 → Fix overlap VRS
SND, WSND on beach
and Band shots
- btwn 200 and 260

1005 C116 Topo 800 - 813
SND, WSND

1011 C115 Topo 800 - 815
SND, WSND

1022 Pick up SAM

1025 Pick up Zone 4 Temp GCP

1030 Set temporary GCP in PI Zone 3
↳ labeled as "PI - GCP - Temp - 2"

1038 Sam Flying PI Zone 3 Flight

1041 C114 Topo 800 - ~~816~~
SND, WSND

1049 C113 Topo 800 - 820
SND, WSND

AH = Antenna Height

AH = 8.04
Mislabelled → First point is labeled as C118-Topo800
Remaining are labeled as C119-Topo815 - C119-Topo832
This occurred because 1st shot was topo, then switched
to rapid point

AH = 8.04
Pics 205 - 207

AH = 8.04

AH = 8.04
Pics - 208 - 210

Pics - on Sam's phone
AH = 8.632

AH = 8.04

AH = 8.04
Pics - 211 - 213

Carrizack survey

2022-05-22

FM, SL

AH = Antenna Height

1100 C112 Topo 800 - 814 VRS
SND, WSND

AH: 8.04

1109 C111 Topo 800 - 815
SND, WSND

AH: 8.04

Fix beach/berm overlap with swim lines

Photos: 214 - 216

1115 C111 Topo 900 - 919 VRS
V₁, V₂

AH: 8.04

Fix issues between Sta. 50 and -10

Topo 914 and 916 are bad shots

1135 Pick up Sam

1142 Pick up Zone 3 Temp GCP

1145 Set temporary GCP in PI Zone 2
↳ labeled as "PI - GCP Temp - 3"

AH = 8.04

Pic: 217

1155 Sam Flying PI Zone 2 Flight

1158 C110 Topo 800 - 817
SND, WSND

AH = 8.04

1208 C109 Topo 800 - 819
SND, WSND

AH = 8.04

Pics: 218 - 220

1219 C108 Topo 800 - 813
SND, WSND

AH: 8.04

1232 Pick up Sam

1235 Pick Zone 2 Temp GCP

1238 C107 Topo 800 - 817
SND, WSND (mislabelled as WSND)

AH: 8.04

Pics 221 - 223

Corrituck Survey 2022-05-22 FM, SL
1250 Set temporary GCP in PI Zone 2
↳ labelled as "PI - GCP - Temp - 4"

1252 Sam Flying PI Zone 2 Flight

1400 Return to base

1800 Left House

1810 EODCHK @ Radio
FLD100 H 0.144 V -0.019
FLD101 H 0.142 V -0.017

1820 EODCHK @ Caffe
FLD80 H 0.019 V -0.078
FLD81 H 0.052 V -0.073

1850 EODCHK @ Asiatic
FLD100 H 0.056 V -0.076
FLD101 H 0.056 V -0.073

1857 EODCHK @ Q261
FLD110 H 0.067 V 0.111
FLD111 H 0.017 V 0.093

1910 Arrive @ base

AH: 8.32
Pictures: 224

Connecticut Large Clast 2022-05-23 FM, SL, RW

0645 Leave house

0700 SOD CHK @ ADRIATIC

FLD115 H 0.057

v-0.121

FLD116 H 0.077

v-0.100

0723 SOD CHK @ RADIO

FLD115 H 0.139

v 0.012

FLD116 H 0.133

v 0.053

0745 C120 Large Clast Survey

Crossshore: 114 Parallel: 88

TOD, MTL, C1, C2, C3, C4

0821 C105 Large Clast Survey

Crossshore: 117 Parallel: 84

TOD, MTL, C1, C2, C3, C4

0853 C090 Large Clast Survey

Cross shore: 158 Parallel: 64

TOD, MTL, C1, C2, C3, C4

0936 C075 Large clast survey

Cross shore: 121 Parallel: 82

TOD, MTL, C1, C2, C3, C4

1101 C061 Large Clast Survey

Cross shore: 125 Parallel: 80

TOD, MTL, C1, C2, C3, C4

1136 C046 Large clast Survey

Cross shore: 260 Parallel: 38

TOD, MTL, C1, C2, C3, C4

MTL = -0.41

AH = 8.32

AH = 8.32

Rocks (≥ 1 inch): 5

Shell (≥ 3 inches): 35

Pics 225

AH = 8.04

Rocks (≥ 1 inch): 3

Shell (≥ 3 inches): 38

Pics 226

AH = 8.04

Rocks (≥ 1 inch): 17

Shell (≥ 3 inches): 132

Pics 227

AH 8.04

Rocks (≥ 1 inch) 138

Shells (≥ 3 inch) 546

Pics 228-229

AH = 8.04

Rocks (≥ 1 inch): 24

shells (≥ 3 inch): 62

Pics: 230

AH = 8.04

Rocks (≥ 1 inch) 1

Shells (≥ 3 inch) 6

Pics 231

AH : 8.04

Currituck Large Clast 2022-05-23 FM, SL, RW

1202 C031 Large clast survey
Cross shore: 250 Parallel: 40
TOD, MTL, C1, C2, C3, C4
4 labeled
"5"m

1223 C017 Large clast survey
Cross shore: 223 Parallel 45
TOD, MTL, C1, C2, C3, C4

1243 C002 Large clast survey
Cross shore 83 parallel 117
TOD, MTL, C1, C2, C3, C4

1332 EOD CHK @ ADRIATIC
FLD17 H 0.037 FLD18 H 0.026
v -0.102 v -0.077

1400 EOD CHK @ RADIO
FLD17 H 0.108 FLD18 H 0.089
v -0.035 v -0.007

1445 Return to house

1530 Leave Currituck

2030 Arrive in Wilmington

Rocks (\geq 1 inch) 3 AH = 8.04
shells (\geq 3 inch) 5
pics 232

Rocks (\geq 1 inch) 0 AH = 8.04
shells (\geq 3 inch) 5
pics: 233

Rocks (\geq 1 inch) 0 AH = 8.04
shells (\geq 3 inch) 14
pics 234