

57C BEACH "C"

20-271
SSC ~~B~~



SINCE 1958

FLT
Geosystems

8416

CONST
"C"

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20-271 VILANO CONST

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20-199 SJC

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20-199 Vilano

Coxwell

Tipton

2/2/21

R6#6 set @ pt#5

5.40 to C.O.B

✓ in

Coll#3 R6#7

2m rod

pt range 30000-2

H: 0.06

V: 0.01

✓ in

Coll#6 R6#8

60000-2

H: 0.022

✓ out

V: 0.007

H: 0.039

V: -0.02

✓ out

Coll#3 R6#7

2m rod

30162-2

H: 0.05

V: -0.02

Notes

Topo - R - 122 - 112

20-199 Vilano

Coxwell

Tipton

213/21

R6#6 set @ Pt #5
5.72 to C.O.B

✓ in coll#3 R6#7
2m rod
30163-2
H: 0.03
V: -0.01

✓ out 30335-2
H: 0.05
V: 0.01

✓ in coll#6 R6#8
6.0134-2
H: 0.060
V: -0.048

✓ out 60329-2
H: 0.079
V: -0.008

39

Notes

sta 11 -95

20-199 Vilano

Coxwell

Tipton

2/4/21

R6#6 set @ pt # 5

5.22 to C.O.B

√ in

coll #3 R6#7

2m rod

30336-2

H: 0.05

V: 0.02

√ out

30508-2

H: 0.02

V: 0.01

√ in

coll #6 R6#8

2m rod

60330-2

H: 0.071

V: -0.007

√ out

60487-2

H: 0.045

V: 0.001

Notes

R-80 - R 94

40

20-199 Vilano

Coxwell

Tipton

215121

R6 #6 set @ pt 100 p322

5.63 to C.O.B

✓ in coll #3 R6 #7
2 m rod

30509-101

H: 0.042

V: 0.071

✓ out 30998-101

H: 0.043

V: 0.083

✓ in coll #6 R6 #8

2 m rod

60488-101

H: 0.049

V: -0.037

✓ out 61110-101

H: 0.041

V: -0.043

41

COXWELL
NORTON
NIEMEYER
SANCHEZ
2-24-2021

20-1999
VILANO

Sunday 78°

TRIMBLE T20 #3
COLLECTOR 3
POINT RANGE 34000-34155

HORIZ DIST 0.050 0.04
VERT DIST 0.000 0.000

TRIMBLE T20 #6
COLLECTOR 6
POINT RANGE 64000-64192

HORIZ DIST 0.074 0.044
VERT DIST 0.000 0.052

MIFI
4

BASE @ CONTROL 5 TIPS
@ NORTHWEST CORNER OF
BOAT RAMP PARK
ANTENNA HEIGHT 5.92
TOP

TRIMBLE ZEPHYR MODEL 2

CHECK @ CONTROL POINT 2
PK NAIL DISK SOUTH EDGE
OF PAVEMENT WEST OF ENTRANCE
TO BOAT RAMP

TRIMBLE T20 #7
COLLECTOR 4
POINT RANGE 40000 40353

HORIZ DIST 0.04 0.00
VERT DIST 0.01 0.001

TRIMBLE T20 #5
COLLECTOR

20-1999

Coxwell

VILANO

Sully 78

Norris

~~SAS~~ 1-2

Niemeyer

Salcedo

2.24.2021

ROVER 5 TRIMBLE 260

COLLECTOR 7

POINT RANGE 70000 - 70182

HORIZ 0.03 0.04

VERT 0.09 0.07

BC

AT

218121

20-199 Vilano

R6#6 set @ pt #100 D322
5.56 to C.O.B

√ in coll #3 R6#7

30999-101

H: 0.036

V: 0.051

√ out 31439-101

H: 0.037

V: 0.079

√ in coll #6 R6#8

2 m rod

61111-101

H: 0.092

V: 0.010

√ out 61872-101

H: 0.039

V: 0.062

20-199 vilano

BC

AT

2/19/21

R6#3 set @ pt 100 D322
5:50 to 6:03

✓ in coll #3 R6#7
2m rod

31440-101

H: 0.048

V: 0.080

✓ out 31441-101
H: 0.033
V: 0.058

✓ in coll #6 R6#8
2m rod

161873-101

H: 0.048

V: -0.047

✓ out 36-101
H: 0.072
V: 0.012

45

20-199 Vilano

BC

AT

2/10/21

R6 #3 set @ pt #100 D322
5.42 to C.O.B

√ in Coll #3 R6 #7
2m rod

31442-101

H: 0.052

V: 0.032

√ out 32377-101

H: 0.049

V: 0.027

√ in Coll #6 R6 #8
2m rod

61874-101

H: 0.040

V: 0.008

√ out 62588-101

H: 0.035

V: -0.050

46

20-199 Vilano

BC

AT

2/11/21

R6#3 set @ pt 100 D322

5.90 + 0 C.O.B

$\sqrt{in}$ coll #3 R6#7

2m rod

32378 -101

H: 0.03

V: -0.02

$\sqrt{out}$ 32504 -101

H: 0.19

V: -0.03

coll #6 R6#8

2m rod

$\sqrt{in}$ 62589 -101

H: 0.053

V: -0.011

$\sqrt{out}$ 62601 -101

H: 0.070

V: -0.021

41

20-199 Vilano

BC

AT

2/12/21

R6#3 set @ pt 100 B322

5.13 to C.O.B

√ in coll#3 R6#7

2m rod

32506 - 101

H: 0.01

V: -0.05

√ out 32598 - 101

H: 0.02

V: -0.04

√ in coll#6 R6#8

2m rod

62603 - 101

H: 0.052

V: -0.049

√ out 62825 - 101

H: 0.067

V: -0.043

20. 1997

COXWELL
SANCHEZ
NORRIS
NEUMEYER
2.25.2021

Sunday 80°
Suns 1.2

TRIMBLE RL6 # 6
COLLECTOR # 6
POINT RANGE 64193
HORIZ 0.043
VERT 0.065

TRIMBLE RL6 # 7
COLLECTOR # 4
POINT RANGE 40356 - 40546
HORIZ 0.028 0.062
VERT 0.004 0.023

49

BASE @ CONTROL POINT 100
CONCRETE MONUMENT STAMPED
D 322 1970 @ ST AUGUSTINE PARK
ANTENNA HEIGHT 5.75 BOTTOM
TRIMBLE RL6 unit 3

CHECK IN @ CONTROL POINT C 322
1970 CONCRETE MONUMENT
CONTROL POINT 3.

TRIMBLE RL6 # 8
COLLECTOR 7
POINT RANGE 70183 - 70403
HORIZ 0.05 0.12
VERT 0.07 0.01

TRIMBLE RL6 # 2
COLLECTOR 3
POINT RANGE 34156 - 34181
HORIZ 0.03
VERT 0.01

Coxwell
Saunders
2-26-2021

20-1999

Sunny 82°
SEAS 1:3

BASE @ CONTROL POINT 102
FOUND HUB @ PARK
TRIMBLE Z6 #3
TOL 450 TRIMBLE RADIO
ANTENNA HEIGHT 5.06 CENTER OF
BUMPER

CHECK IN @ PICK UP TRUCK
IN PARKING LOT (Point 100)

TRIMBLE Z6 #3
COLLECTOR #7
POINT RANGE 70404 70426
HORIZ 0.03
VERT 0.10

TRIMBLE Z6 #2
COLLECTOR #7
POINT RANGE 34182 - 34521
HORIZ 0.04 0.03
VERT 0.03 0.05

20.10.99

Coxwell
Souders
2.26.2021

Sunday 82°
SAS 1.2

51

BASE @ CONTROL POINT 5
TIPS @ NORTHWEST END OF
BOAT RAMP PARK
ANTENNA HEIGHT 5.87
CENTER OF BUMPER
TRIMBLE RL 3

CHECK IN @ CONTROL POINT 2
PIL NAIL DISK SOUTH EDGE OF
PAVEMENT WEST OF ENTRANCE
TO BOAT RAMP

TRIMBLE RL 3
COLLECTOR 3

BOAT RAMP 34530 - 34595
HORIZ 0.07 0.08
VERT 0.00 0.00

20-199
M. NILES SJC BEACH
R. NILES HYDRO
3/5/21

BASE #S
5.86 COB

CHK: BM-CHK-0056-0928

N: 2028088.25

E: 558000.49

Z: 6.99 - 1.02 =

MD: 5.62 - 4.60 = ~~0.92~~ 1.02

5.97 VS 5.87 ✓

SVP

0950

1300

1345 INLET

52

CHK OUT

FILE

N: 2028088.15

E 558000.35

Z: 6.81

MD: 5.47 - 4.60 = (0.87)

5.94 ✓ 5.87 ✓

3/9/21

M.N

20-199 SJC BLT

BASE TREMBLE R6-4 #5
@ PT # 5 VILANO
RAMP
H± 5.96(COB)

LHK PTS @ BM # 2

PT # 5 40548

$\Delta H: 0.07$

$\Delta V: 0.02$

53

3/10/21 20-199 SSL

MN

RN

HYDRO

13'

BASE @ CP #5

VILANO RAMP

TRIMBLE R6-4 #5

HI: 5.63 COB

$$MD: 5.51 - 4.60 = 0.91$$

FILE: B HVCHK - BM2 - 0037-0711

N: 2028088.44

E: 558000.68

$$Z: 6.90 - 0.91 = 5.99 \checkmark 5.87$$

$\Delta: 0.12$

SUP
1040

54

R150 + R151 CHK

RIGHT WHALES @ 1415

$$MD: \cancel{5.55} - 4.60 = 0.95$$

FILE: BM CHK - 0030-1503

N: 2028087.94

E: 558000.65

$$Z: 6.84 - 0.95 = 5.91 \checkmark 5.87$$

$\Delta: 0.04$

3/18/21

20-199 SLC

MN

TY

SEAS 1.2'

HYDRO

- RG-4 CELL BASE @
PT #5 GPS #3
HI COB 5.82'

MD 5.58

- 4.60
0.98

TIDE 6.91 0032_0950

FILE: BM-CHK-0031-0958

N: 2028072.79

E: 558001.51

N: 2028088.51

E: 558000.86

6.91 - 0.98 = 5.93 v 5.87

Δ : 0.06 ✓

55

287 ↑ N

SVP @ 1326
SVP @ 1437

MD: 5.52'

- 4.60
0.92
6.91

MD

N: 2028088.56

E: 558000.81

Z: 6.81 - 0.92

FILE: BM-CHK-0001-1551

589' vs 5.87
 Δ : 0.02 ✓

3/19/21 20-199 SJC
M.N. HYDRO
T.Y.

SEAS 1-2'

HI: 5.87 COB
BASE 26-4 # 3 @
VILANO RAMP # 5

CHK IN @ VILANO RAMP
MD: $5.52 - 4.60 = 0.92$
TIDE: 6.81 - MD
N: 2028088.55
E: 558000.85
FILE: BM-CHK-0001-0817

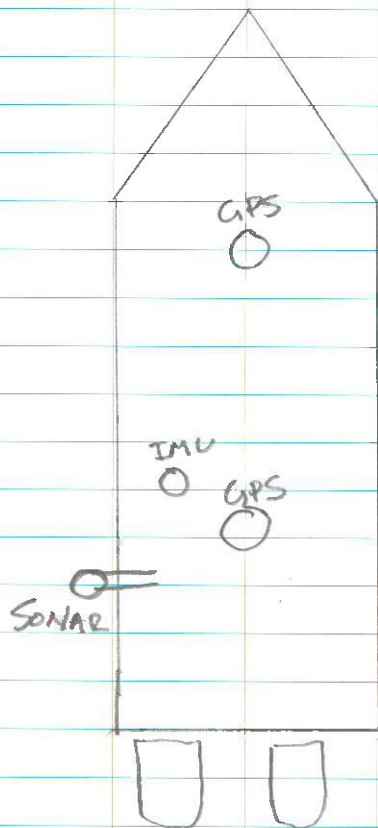
SVP
0930 (N VILANO)
1120 (S ST AUG)
1425 (N ST AUG)

56

CHK OUT
MD: $5.59 - 4.60 = 0.99$
TIDE: 6.97 - (MD)
N: 2028088.12
E: 556000.86
FILE: BMCHK-0001-1457

20-199 SIC

VESSEL SKETCH



57

HYPACK OFFSETS

EQUIP	STBD	FWD	VERT
ODOM			
CN100	0.00'	0.00'	0.00'
TRANSDUCER			
POSNAV			
IMU			
MOTION	2.24'	3.30'	-2.62'
+ POSITION			
HEADING			

20-199 SLC

HYPACK FILES BY DAY

03/5/21

BM_CHK_0056_0928.RAW
0041_0952.RAW
0042_0958.RAW
0043_1004.RAW
0044_1009.RAW
0045_1014.RAW
0046_1019.RAW
0047_1024.RAW
0048_1029.RAW
0049_1033.RAW
0050_1038.RAW
0051_1043.RAW
0052_1048.RAW
0053_1052.RAW
0054_1058.RAW
0055_1103.RAW
0056_1108.RAW
0057_1112.RAW
0057_1116.RAW
0058_1117.RAW
0059_1122.RAW
0060_1127.RAW
0061_1132.RAW
0062_1137.RAW
0063_1142.RAW
0064_1148.RAW
0065_1153.RAW
0066_1158.RAW
0067_1204.RAW
0068_1210.RAW
0069_1210.RAW
0068_1210_0001.RAW
0069_1215.RAW
0070_1221.RAW
0071_1227.RAW
0072_1233.RAW
0073_1238.RAW
0074_1244.RAW
0075_1249.RAW
0003_1324.RAW
0002_1329.RAW
0002_1330.RAW
0003_1334.RAW
0001_1337.RAW
0001_1338.RAW
BM_CHK_0002_1401.RAW

03/10/21

0004_1058.RAW
0005_1104.RAW
0006_1110.RAW
0007_1116.RAW
0008_1122.RAW
0009_1129.RAW
0010_1135.RAW
0011_1141.RAW
0012_1147.RAW
0013_1153.RAW
0014_1159.RAW
0015_1205.RAW
0016_1211.RAW
0017_1217.RAW
0018_1223.RAW
0019_1229.RAW
0020_1236.RAW
0020_1243.RAW
0021_1250.RAW
0022_1256.RAW
0023_1301.RAW
0023_1307.RAW
0024_1310.RAW
0025_1316.RAW
0026_1322.RAW
0027_1328.RAW
0028_1335.RAW
0029_1341.RAW
0029_1343.RAW
0030_1353.RAW
BM_CHK_0030_1503.RAW

03/18/21

BM_CHK_0031_0948.RAW
BM_CHK_0032_0950.RAW
BM_CHK_0040_1204.RAW
BM_CHK_0041_1213.RAW
0042_1217.RAW
0043_1221.RAW
0044_1224.RAW
0045_1227.RAW
0046_1230.RAW
0047_1234.RAW
0048_1237.RAW
0049_1240.RAW
0050_1244.RAW
0051_1247.RAW
0052_1248.RAW
0052_1250.RAW
0053_1253.RAW
0054_1257.RAW
0055_1300.RAW
0056_1303.RAW
0057_1306.RAW
0058_1309.RAW
0059_1312.RAW
0060_1315.RAW
0061_1319.RAW
0062_1326.RAW
0063_1331.RAW
0064_1334.RAW
0065_1337.RAW
0066_1340.RAW
0067_1343.RAW
0068_1346.RAW
0069_1349.RAW
0070_1352.RAW
0071_1355.RAW
0072_1358.RAW
0073_1401.RAW
0075_1405.RAW
0075_1407.RAW
0076_1410.RAW
0077_1414.RAW
0078_1416.RAW
0079_1419.RAW
0080_1422.RAW
0081_1425.RAW
0082_1428.RAW
0082_1430.RAW
BM_CHK_0001_1541.RAW

03/19/21

BM_CHK_0001_0817.RAW
0081_0937.RAW
0080_0945.RAW
0079_0950.RAW
0078_0956.RAW
0077_1001.RAW
0076_1007.RAW
0075_1013.RAW
0004_1124.RAW
0005_1132.RAW
0006_1135.RAW
0007_1139.RAW
0008_1144.RAW
0009_1148.RAW
0010_1151.RAW
0010_1152.RAW
0011_1158.RAW
0012_1206.RAW
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0015_1218.RAW
0016_1221.RAW
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0025_1257.RAW
0026_1301.RAW
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0034_1346.RAW
0034_1347.RAW
0034_1348.RAW
0035_1353.RAW
0036_1400.RAW
0036_1401.RAW
0037_1406.RAW
0038_1412.RAW
0038_1414.RAW
0039_1420.RAW
BM_CHK_0001_1457.RAW