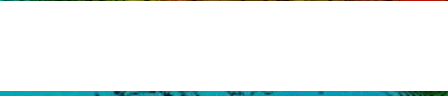


Contour Increment = 2.0

Flow Direction
~ 1.5 ft/s



Google Earth

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600 ft

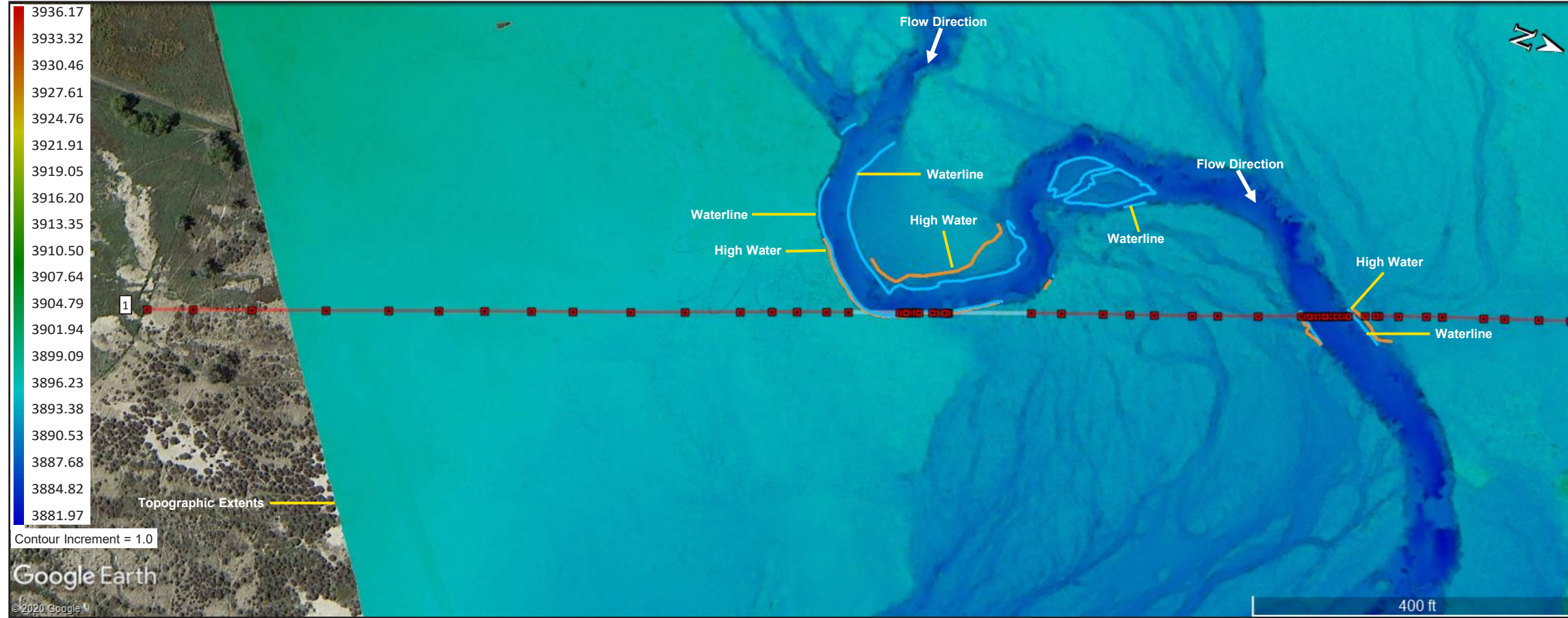


DEPTH OF COVER STUDY
DATE(S): 9/10/20 - 9/11/20 & 9/29/20

Bathymetric/Topographic Overview Pg1

PREPARED FOR:

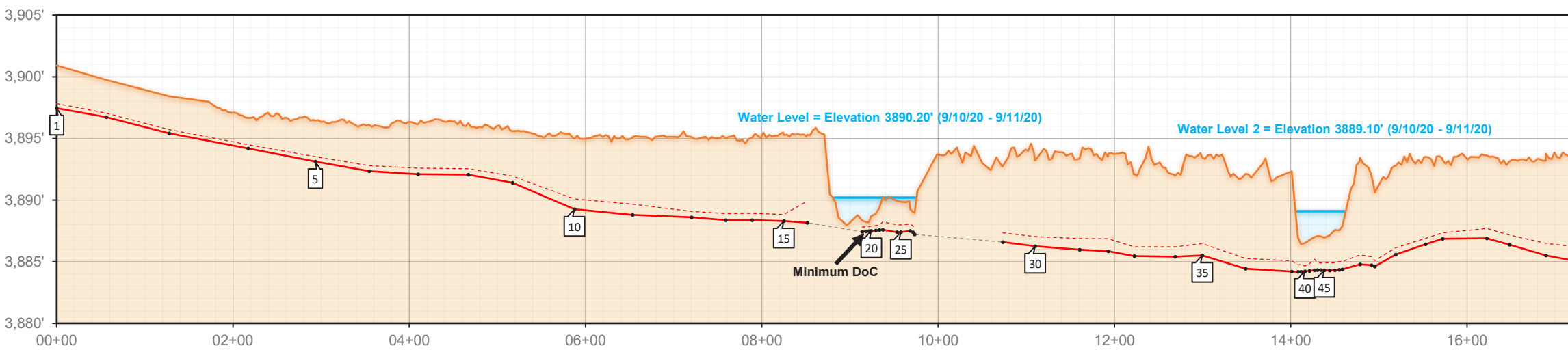
PLAN VIEW



DoC DATA

Pt. ID	STA#	Easting (ft)	Northing (ft)	Topo Elev. (ft)	T.O.P. Elev. (ft)	DoC (ft)	MS DoC* (ft)
1	00+00			3900.93	3897.46	3.47	3.09
2	00+56			3899.75	3896.74	3.01	2.70
3	01+28			3898.43	3895.43	3.00	2.70
4	02+17			3896.67	3894.19	2.48	2.18
5	02+93			3896.45	3893.13	3.32	2.93
6	03+54			3896.12	3892.35	3.77	3.33
7	04+10			3896.16	3892.09	4.07	3.56
8	04+67			3896.25	3892.07	4.18	3.72
9	05+17			3895.60	3891.41	4.19	3.67
10	05+87			3895.00	3889.25	5.75	4.90
11	06+53			3895.11	3888.80	6.31	5.44
12	07+20			3895.12	3888.60	6.52	6.04
13	07+59			3895.02	3888.38	6.64	6.12
14	07+89			3895.07	3888.38	6.69	6.14
15	08+25			3895.28	3888.30	6.98	6.44
16	08+52			3895.29	3888.16	7.13	5.38
17	09+14			3888.34	3887.44	0.90	0.54
18	09+18			3888.21	3887.47	0.75	0.38
19	09+21			3888.19	3887.49	0.70	0.35
20	09+24			3888.69	3887.51	1.18	0.80
21	09+29			3888.89	3887.54	1.35	0.95
22	09+33			3889.37	3887.57	1.81	1.41
23	09+37			3890.27	3887.60	2.68	2.04
24	09+53			3889.93	3887.40	2.53	1.93
25	09+58			3889.87	3887.40	2.47	1.88
26	09+68			3889.28	3887.50	1.78	1.22
27	09+71			3889.04	3887.39	1.65	1.13
28	09+73			3888.96	3887.22	1.74	1.24
29	10+73			3892.75	3886.59	6.16	5.41
30	11+10			3893.21	3886.25	6.96	6.16
31	11+61			3893.38	3885.98	7.40	6.50
32	11+93			3893.77	3885.85	7.92	6.91
33	12+23			3892.10	3885.46	6.64	5.90
34	12+69			3891.98	3885.40	6.58	5.78
35	13+00			3893.44	3885.51	7.93	6.97
36	13+49			3892.14	3884.43	7.71	6.87
37	14+01			3892.33	3884.19	8.14	7.26
38	14+08			3886.98	3884.17	2.80	2.24
39	14+12			3886.42	3884.19	2.23	1.66
40	14+16			3886.51	3884.22	2.28	1.86
41	14+21			3886.75	3884.26	2.49	1.91
42	14+27			3887.01	3884.31	2.70	1.80
43	14+30			3887.07	3884.33	2.74	2.12
44	14+34			3887.06	3884.32	2.74	2.16
45	14+38			3886.94	3884.31	2.64	2.01

PROFILE VIEW



LEGEND

- Water Level
- Topo / Bathymetry
- Projected Topo / Bathymetry
- +VSDV
- T.O.P. Point
- No Data (obstruction, loss of signal)
- Overlaid Data (if applicable)

DEFINITIONS

DoC - Depth of Cover

T.O.P. - Top of Pipe (or Cable, Conduit, etc.)

+VSDV - Positive aspect of vertical confidence level. Represents a 95% likelihood that the true position of the target lies deeper than this point.

MSDoC* - Minimum Statistical Depth of Cover. This reflects the measured distance from the +VSDV component to the Topo / Bathymetry line.

GEODETIC SETTINGS

PLOT NOTES

Bathymetric data was collected using a survey pole while wading this crossing site and a single-beam sonar was used to determine bathymetric elevations in the area surrounding this crossing site. A LiDAR system was used to gather topographic data in the area surrounding the waterway.

CONTROL POINT VERIFICATION

CONTROL POINTS WERE ESTABLISHED AND/OR REFERENCED BY DoC MAPPING TO ADJUST FOR HORIZONTAL AND VERTICAL VARIANCE DURING THE TIME OF THIS SURVEY. INFORMATION FOR THE CONTROL POINTS BELOW:

PLEASE REFER TO THE "CONTROL POINT VERIFICATION SHEET" FOR MORE DETAILS ON THE CONTROL POINT(S) AND DoC MAPPING'S OBSERVATIONS.

DOC MAPPING

DEPTH OF COVER STUDY
DATE(S): 9/10/20 - 9/11/20

PLAN / PROFILE (Page 1)

PREPARED FOR:

