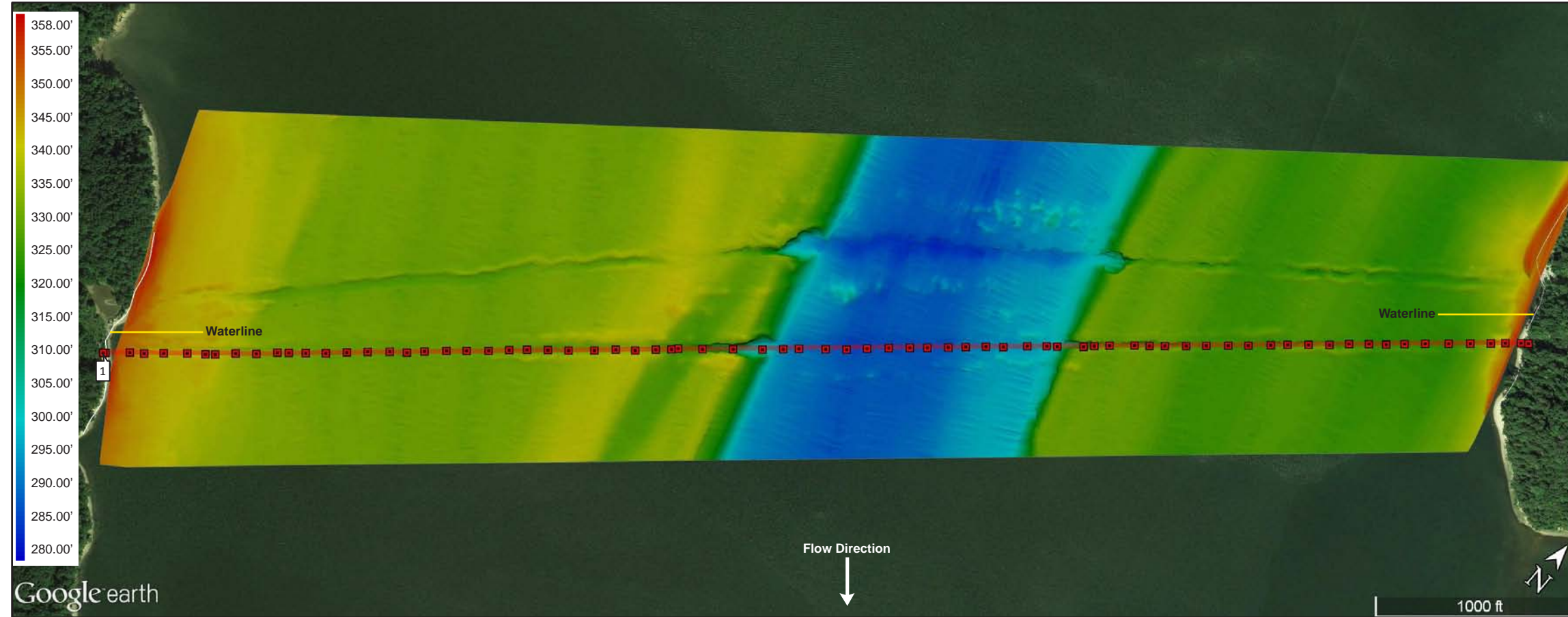


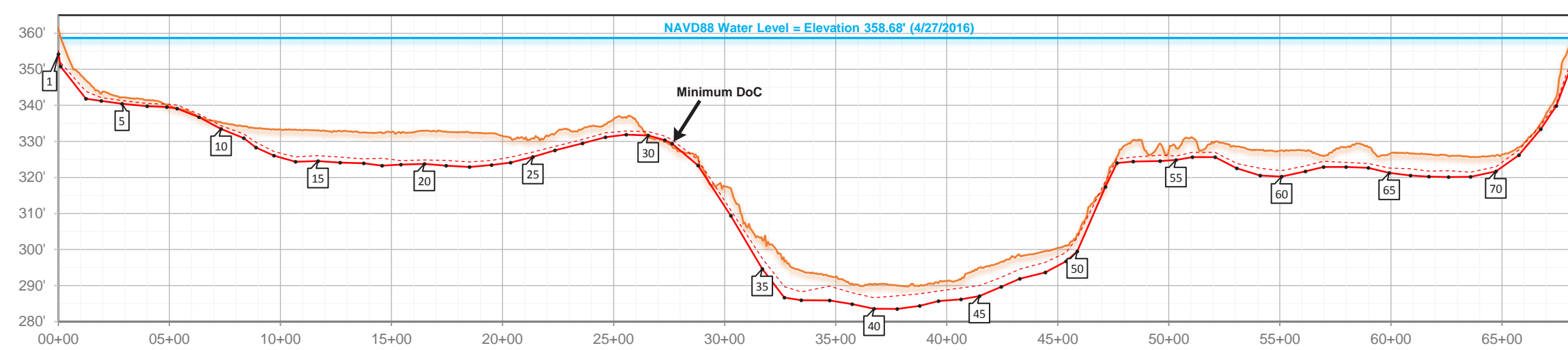
PLAN VIEW



DoC DATA

Pt. ID	STA#	WGS84 Latitude	WGS84 Longitude	Topo Elev. (ft)	T.O.P. Elev. (ft)	DoC (ft)	MS DoC* (ft)
1	00+00			361.44	354.23	7.22	6.26
2	00+10			358.81	350.84	7.97	6.92
3	01+24			346.92	341.82	5.10	3.01
4	01+92			343.24	341.21	2.03	1.11
5	02+87			342.22	340.45	1.77	0.89
6	04+00			341.50	339.76	1.74	1.00
7	04+88			340.06	339.55	0.51	-0.30
8	05+35			339.21	339.10	0.11	-0.84
9	06+33			336.88	336.72	0.16	-0.72
10	07+33			335.37	333.49	1.88	0.98
11	08+34			334.19	330.91	3.28	2.10
12	08+89			333.66	328.33	5.33	3.91
13	09+71			333.33	326.05	7.28	6.14
14	10+67			333.27	324.36	8.91	7.60
15	11+69			333.17	324.56	8.61	7.08
16	12+69			332.91	324.13	8.78	7.26
17	13+75			332.51	323.92	8.59	7.36
18	14+57			332.32	323.28	9.04	7.01
19	15+42			332.28	323.58	8.70	7.59
20	16+48			332.94	323.76	9.18	8.10
21	17+45			332.68	323.27	9.41	7.97
22	18+51			332.41	322.91	9.50	8.12
23	19+50			332.22	323.46	8.76	7.48
24	20+36			331.07	324.12	6.95	5.44
25	21+37			330.84	325.68	5.16	3.83
26	22+36			332.15	327.51	4.64	3.56
27	23+60			333.40	329.45	3.95	2.85
28	24+63			334.68	331.19	3.49	2.30
29	25+57			336.52	331.88	4.64	3.67
30	26+56			331.17	331.67	-0.50	-1.59
31	27+31			329.95	330.36	-0.41	-1.50
32	27+63			328.67	329.41	-0.74	-1.78
33	28+80			325.79	323.36	2.43	0.87
34	30+28			317.00	309.36	7.64	6.10
35	31+69			302.56	294.62	7.94	5.03
36	32+69			296.72	286.66	10.06	7.01
37	33+44			294.13	285.95	8.18	5.89
38	34+73			292.62	285.90	6.72	2.81
39	35+74			290.55	284.84	5.71	2.51
40	36+73			290.42	283.60	6.82	3.80
41	37+77			289.93	283.53	6.40	2.74
42	38+78			289.99	284.40	5.59	2.29
43	39+63			290.71	285.74	4.97	2.24
44	40+64			291.67	286.20	5.47	2.29
45	41+47			294.91	287.11	7.80	4.91

PROFILE VIEW



Land Data
Underwater Data
Italics = Projected topo or bathymetric points and DoC / MSDoC

LEGEND

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

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

CONTROL POINT VERIFICATION

A CONTROL POINT WAS ESTABLISHED AND REFERENCED BY DoC MAPPING TO ADJUST FOR HORIZONTAL AND VERTICAL VARIANCE DURING THE TIME OF THIS SURVEY. INFORMATION FOR THE CONTROL POINT(S) BELOW:

ID - CO-1	ID - CO-2
E - 4227975.757	E - 4221560.554
N - 3455505.537	N - 3449661.915
EL - 360.859	EL - 457.962

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

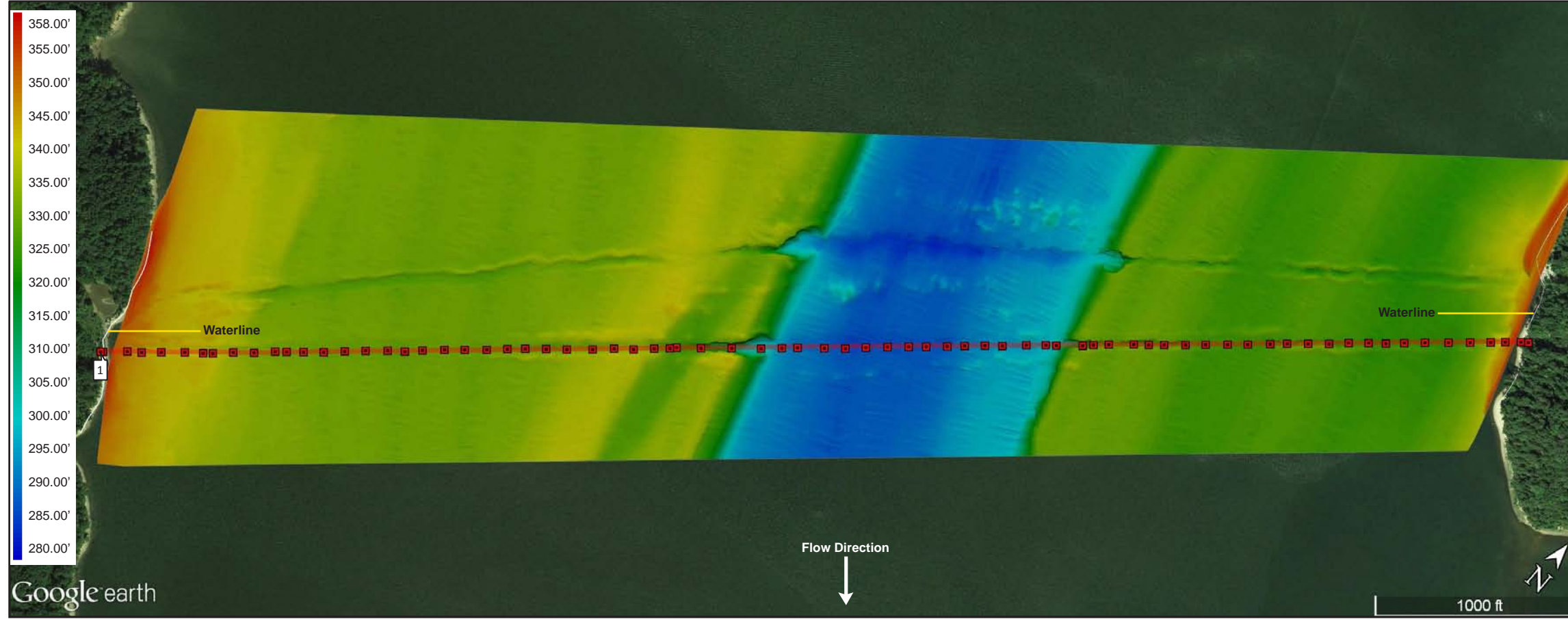
DOC MAPPING

DEPTH OF COVER STUDY
DATE(S): 4/27/2016 - 4/28/2016

PLAN / PROFILE (Page 1)

PREPARED FOR:

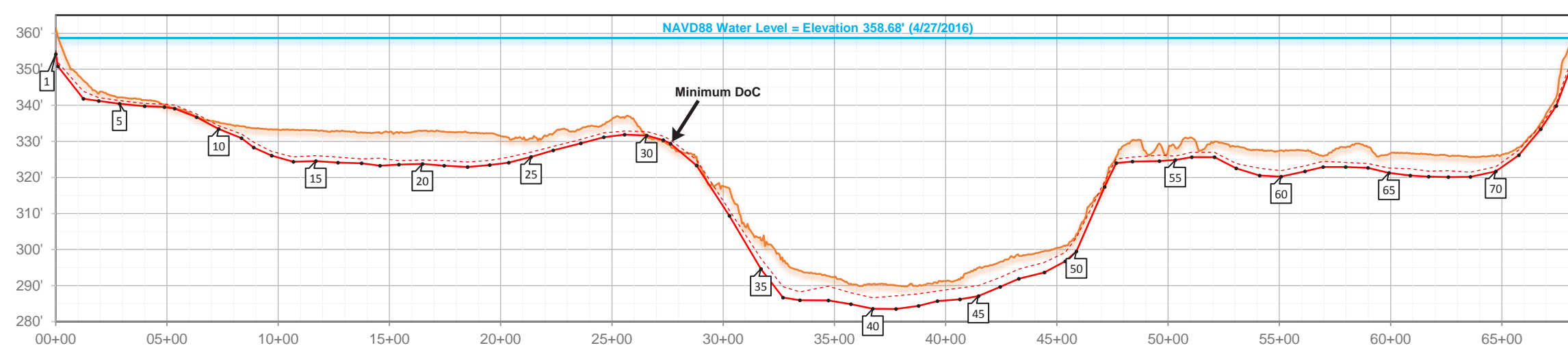
PLAN VIEW



DoC DATA

Pt. ID	STA#	WGS84 Latitude	WGS84 Longitude	Topo Elev. (ft)	T.O.P. Elev. (ft)	DoC (ft)	MS DoC* (ft)
46	42+45			296.59	289.63	6.96	4.31
47	43+28			298.26	291.87	6.39	3.67
48	44+44			299.61	293.66	5.95	3.18
49	45+37			301.02	296.75	4.27	1.82
50	45+88			304.33	299.51	4.82	1.03
51	47+14			318.37	317.36	1.01	-0.52
52	47+66			325.69	323.98	1.71	0.56
53	48+40			330.35	324.41	5.94	4.71
54	49+60			329.46	324.52	4.94	3.29
55	50+32			328.18	324.82	3.36	2.26
56	51+06			330.97	325.66	5.31	4.02
57	52+09			329.89	325.63	4.26	2.91
58	53+05			328.54	322.56	5.98	4.67
59	54+11			327.59	320.57	7.02	5.02
60	55+08			327.53	320.26	7.27	5.67
61	56+15			327.39	321.72	5.67	4.17
62	56+96			325.92	322.88	3.04	1.44
63	57+97			328.28	322.91	5.37	4.10
64	58+98			328.38	322.69	5.69	4.48
65	59+92			326.48	321.29	5.19	3.90
66	60+88			326.71	320.53	6.18	4.31
67	61+71			326.34	320.23	6.11	4.58
68	62+60			325.92	320.12	5.80	4.06
69	63+59			325.56	320.20	5.36	4.13
70	64+72			326.11	321.69	4.42	3.17
71	65+76			328.31	326.20	2.11	0.65
72	66+75			335.01	333.43	1.58	0.57
73	67+44			342.16	339.83	2.33	1.58
74	68+17			358.97	351.59	7.38	5.51
75	68+47			363.70	362.00	1.70	0.85

PROFILE VIEW



LEGEND

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

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

CONTROL POINT VERIFICATION

A CONTROL POINT WAS ESTABLISHED AND REFERENCED BY DoC MAPPING TO ADJUST FOR HORIZONTAL AND VERTICAL VARIANCE DURING THE TIME OF THIS SURVEY. INFORMATION FOR THE CONTROL POINT(S) BELOW:

ID - CO-1	ID - CO-2
E - 4227975.757	E - 4221560.554
N - 3455505.537	N - 3449661.915
EL - 360.859	EL - 457.962

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

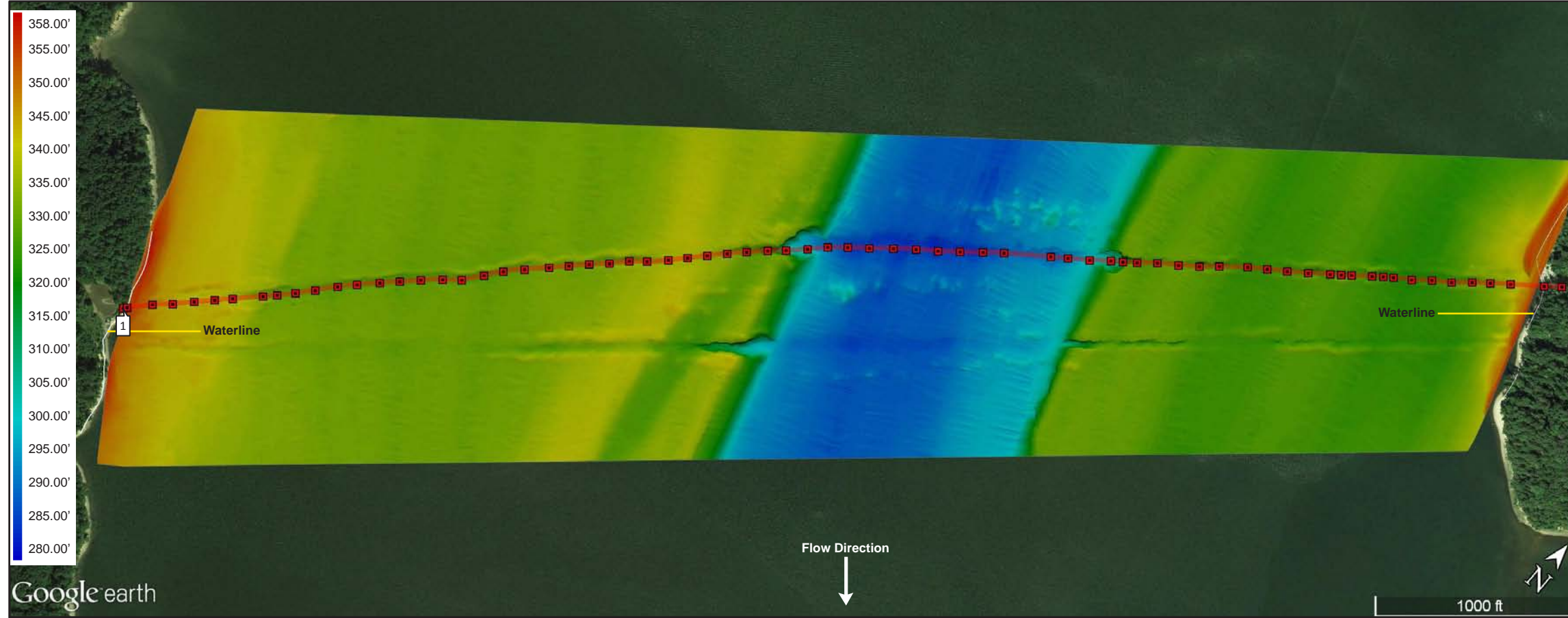
DOC MAPPING

DEPTH OF COVER STUDY
DATE(S): 4/27/2016 - 4/28/2016

PLAN / PROFILE (Page 2)

PREPARED FOR:

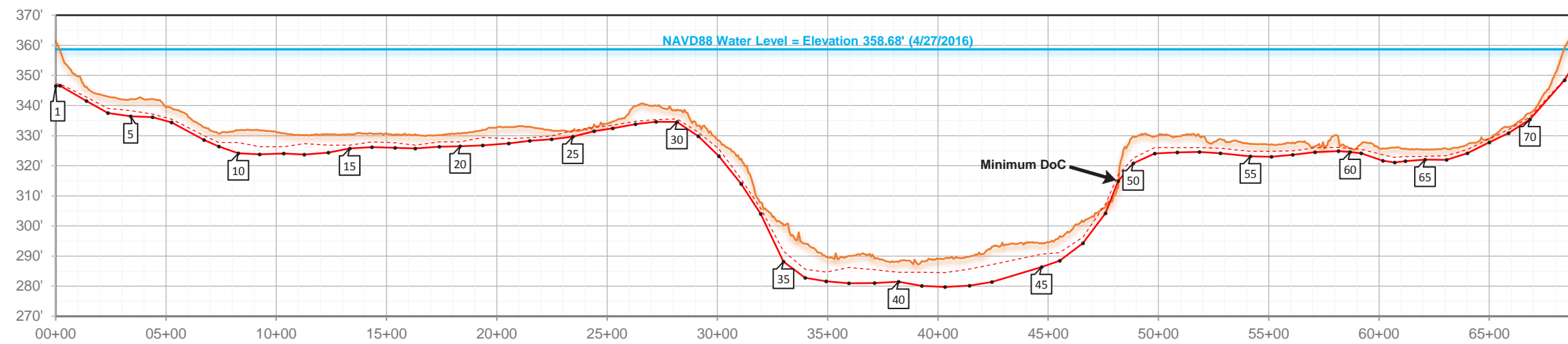
PLAN VIEW



DoC DATA

Pt. ID	STA#	WGS84 Latitude	WGS84 Longitude	Topo Elev. (ft)	T.O.P. Elev. (ft)	DoC (ft)	MS DoC* (ft)
1	00+00			361.52	346.47	15.06	14.43
2	00+19			358.57	346.63	11.94	11.38
3	01+39			346.26	341.55	4.71	3.41
4	02+36			342.95	337.54	5.41	3.92
5	03+40			342.13	336.44	5.69	3.77
6	04+39			342.19	336.17	6.02	5.02
7	05+25			339.17	334.42	4.75	3.66
8	06+72			332.74	328.57	4.17	2.71
9	07+40			330.64	326.41	4.23	2.93
10	08+28			331.79	324.15	7.64	4.06
11	09+24			331.79	323.75	8.04	5.48
12	10+33			330.74	324.08	6.66	4.38
13	11+26			330.12	323.71	6.41	2.79
14	12+36			330.38	324.38	6.00	3.56
15	13+33			330.48	325.74	4.74	3.67
16	14+34			330.71	326.21	4.50	2.78
17	15+38			330.48	325.94	4.54	2.83
18	16+30			330.48	325.72	4.76	3.64
19	17+40			330.15	326.32	3.83	2.24
20	18+34			330.64	326.45	4.19	2.70
21	19+36			331.92	326.79	5.13	2.57
22	20+54			332.84	327.40	5.44	3.81
23	21+49			332.94	328.27	4.67	3.61
24	22+48			331.73	328.83	2.90	1.82
25	23+44			331.40	329.66	1.74	-0.29
26	24+41			333.73	331.52	2.21	0.97
27	25+26			334.71	332.40	2.31	1.27
28	26+29			339.80	333.85	5.95	5.04
29	27+22			339.93	334.61	5.32	4.55
30	28+17			338.58	334.54	4.04	3.04
31	29+13			333.23	329.83	3.40	2.13
32	30+07			328.44	323.21	5.23	2.85
33	31+08			322.31	313.95	8.36	6.76
34	31+96			307.77	303.98	3.79	1.94
35	33+00			300.13	288.14	11.99	8.45
36	33+97			294.23	282.77	11.46	8.64
37	34+93			289.83	281.59	8.24	5.13
38	35+97			290.03	280.95	9.08	3.80
39	37+12			289.21	281.01	8.20	3.76
40	38+22			287.96	281.48	6.48	3.38
41	39+27			288.35	280.11	8.24	3.73
42	40+32			289.24	279.75	9.49	4.74
43	41+43			289.86	280.19	9.67	4.15
44	42+44			293.14	281.41	11.73	5.96
45	44+70			294.16	286.33	7.83	3.53

PROFILE VIEW



Land Data
Underwater Data
Italics = Projected topo or bathymetric points and DoC / MSDoC

LEGEND

- Water Level
- Topo / Bathymetry
- Projected Topo / Bathymetry
- +VSDV
- T.O.P. Point
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GEODETIC SETTINGS

PLOT NOTES

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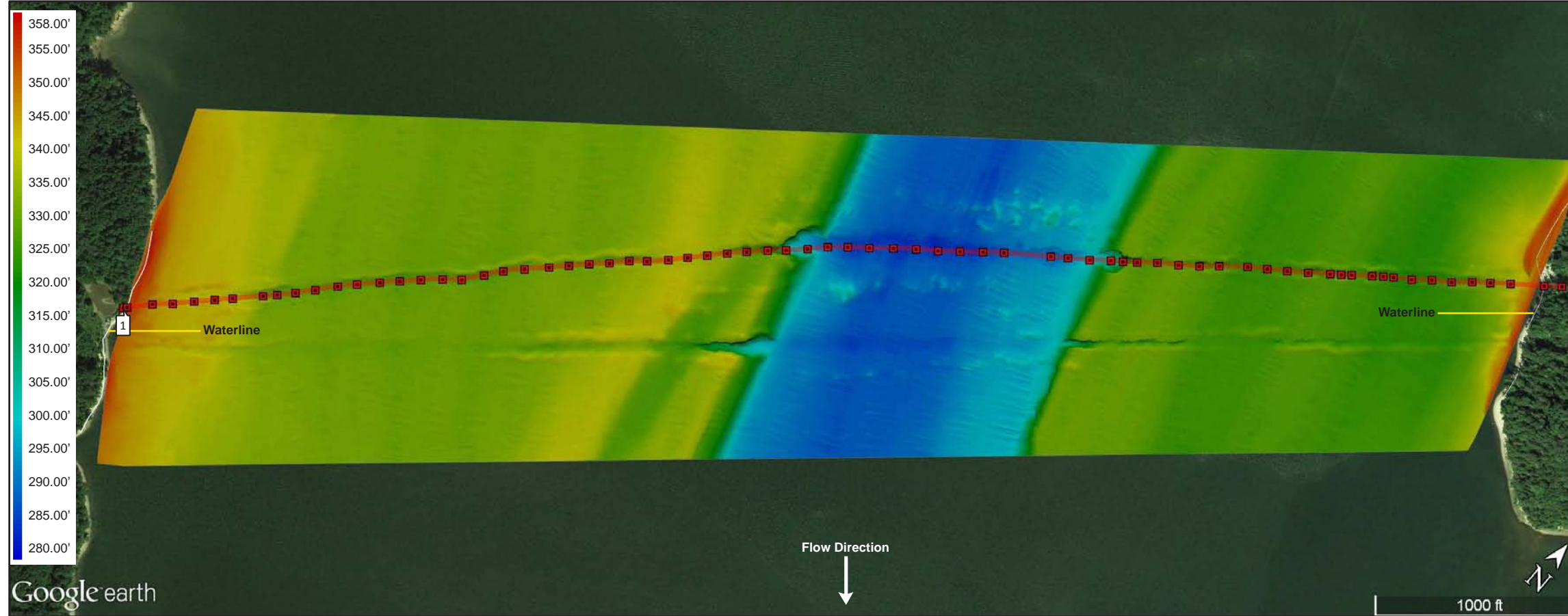
DOC MAPPING

DEPTH OF COVER STUDY
DATE(S): 4/27/2016 - 4/28/2016

PLAN / PROFILE (Page 1)

PREPARED FOR:

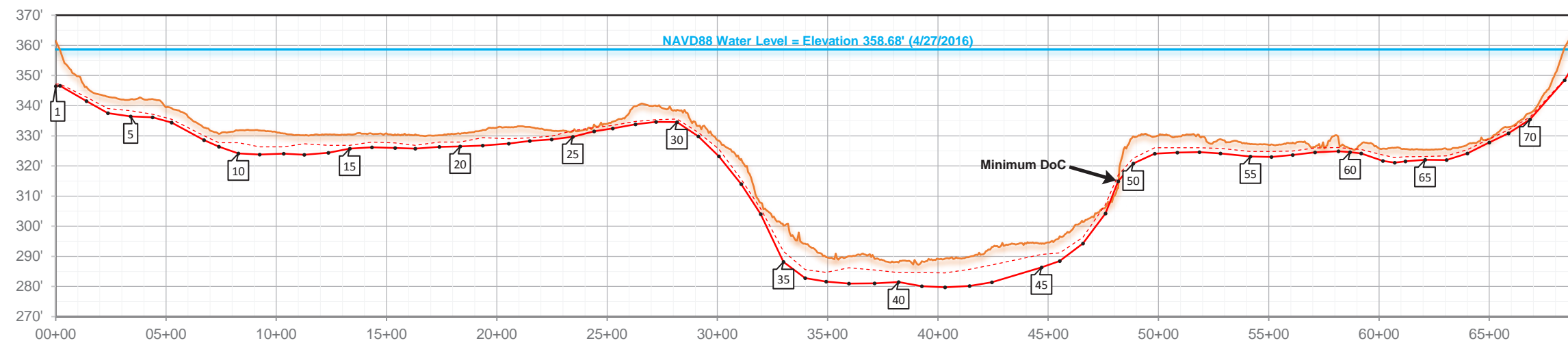
PLAN VIEW



DoC DATA

Pt. ID	STA#	WGS84 Latitude	WGS84 Longitude	Topo Elev. (ft)	T.O.P. Elev. (ft)	DoC (ft)	MS DoC* (ft)
46	45+52			296.69	288.47	8.22	5.57
47	46+57			301.34	294.25	7.09	5.00
48	47+59			306.30	304.26	2.04	-0.90
49	48+17			312.60	314.91	-2.31	-4.39
50	48+85			329.85	320.80	9.05	7.27
51	49+83			329.76	324.09	5.67	3.71
52	50+85			329.69	324.43	5.26	3.66
53	51+86			329.89	324.58	5.31	3.88
54	52+81			328.84	324.14	4.70	2.98
55	54+17			327.20	323.13	4.07	2.41
56	55+12			327.10	322.97	4.13	2.30
57	56+09			327.76	323.67	4.09	2.79
58	57+10			326.28	324.52	1.76	0.33
59	58+16			329.20	324.88	4.32	3.11
60	58+69			325.75	324.56	1.19	0.01
61	59+19			327.20	324.14	3.06	1.77
62	60+17			325.72	321.69	4.03	2.07
63	60+71			326.02	321.08	4.94	3.26
64	61+20			325.59	321.51	4.08	2.51
65	62+08			325.39	322.01	3.38	2.23
66	63+06			325.59	321.95	3.64	2.27
67	64+00			327.03	324.16	2.87	1.66
68	64+99			328.87	327.77	1.10	-0.05
69	65+86			332.84	330.80	2.04	0.82
70	66+84			337.56	335.44	2.12	1.32
71	68+41			359.27	348.45	10.82	10.53
72	69+07			367.59	356.47	11.12	10.63

PROFILE VIEW



Land Data
Underwater Data
Italics = Projected topo or bathymetric points and DoC / MSDoC

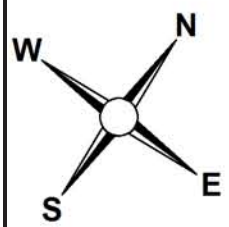
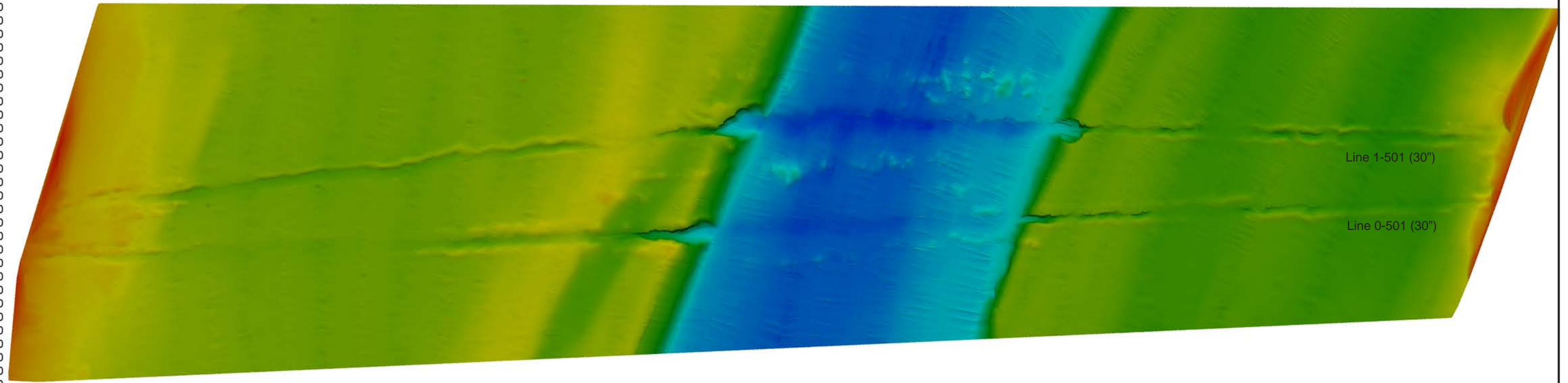
LEGEND	DEFINITIONS	GEODETIC SETTINGS	PLOT NOTES	CONTROL POINT VERIFICATION								
<ul style="list-style-type: none"> — Water Level — Topo / Bathymetry - - - Projected Topo / Bathymetry - - - +VSDV —●— T.O.P. Point No Data (obstruction, loss of signal) ■ Transmitter Hookup Site (if nearby) 	<p>DoC - Depth of Cover</p> <p>T.O.P. - Top of Pipe (or Cable, Conduit, etc.)</p> <p>+VSDV - Positive aspect of vertical confidence level. Represents a 95% likelihood that the true position of the target lies deeper than this point.</p> <p>MSDoC* - Minimum Statistical Depth of Cover. This reflects the measured distance from the +VSDV component to the Topo / Bathymetry line.</p>			<p>A CONTROL POINT WAS ESTABLISHED AND REFERENCED BY DoC MAPPING TO ADJUST FOR HORIZONTAL AND VERTICAL VARIANCE DURING THE TIME OF THIS SURVEY. INFORMATION FOR THE CONTROL POINT(S) BELOW:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">ID - CO-1</td> <td style="width: 50%;">ID - CO-2</td> </tr> <tr> <td>E - 4227975.757</td> <td>E - 4221560.554</td> </tr> <tr> <td>N - 3455505.537</td> <td>N - 3449661.915</td> </tr> <tr> <td>EL - 360.859</td> <td>EL - 457.962</td> </tr> </table> <p>PLEASE REFER TO "APPENDIX A - CONTROL POINT VERIFICATION SHEET" FOR MORE DETAILS ON THE CONTROL POINT(S) AND DoC MAPPING'S OBSERVATIONS.</p>	ID - CO-1	ID - CO-2	E - 4227975.757	E - 4221560.554	N - 3455505.537	N - 3449661.915	EL - 360.859	EL - 457.962
ID - CO-1	ID - CO-2											
E - 4227975.757	E - 4221560.554											
N - 3455505.537	N - 3449661.915											
EL - 360.859	EL - 457.962											

DEPTH OF COVER STUDY
DATE(S): 4/27/2016 - 4/28/2016

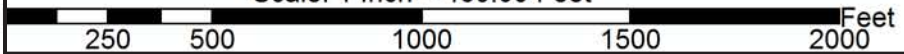
PLAN / PROFILE (Page 2)


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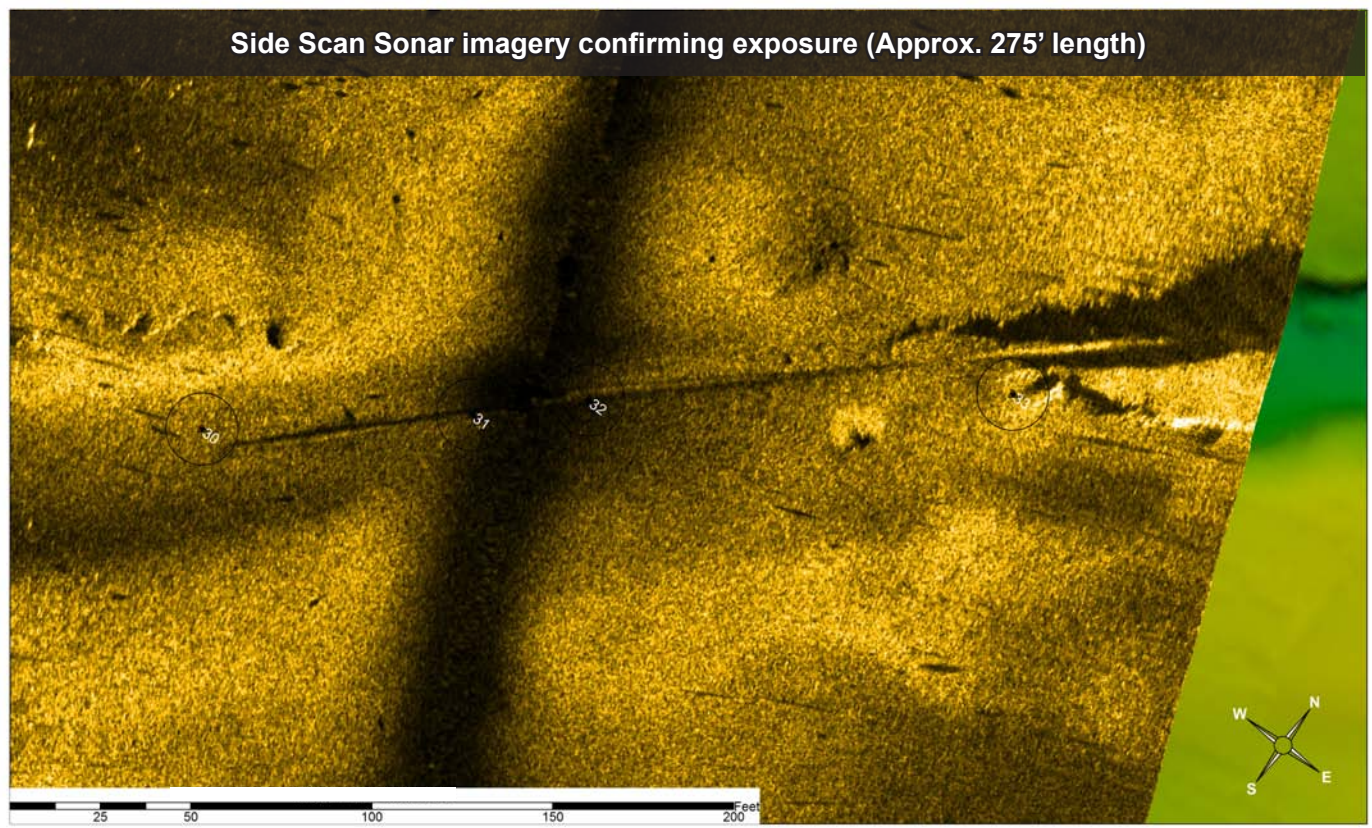
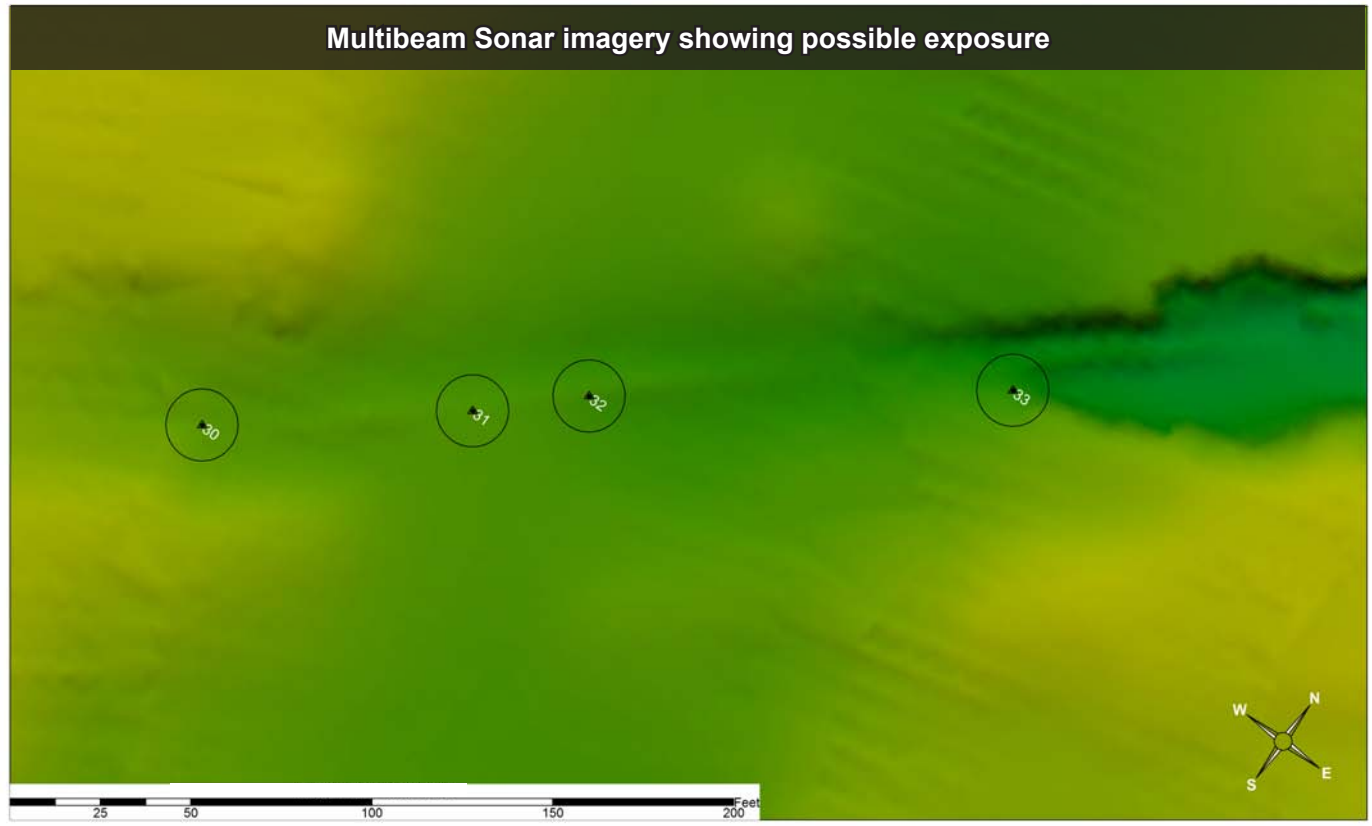
NAVD88
Elevation



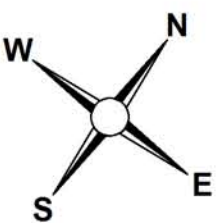
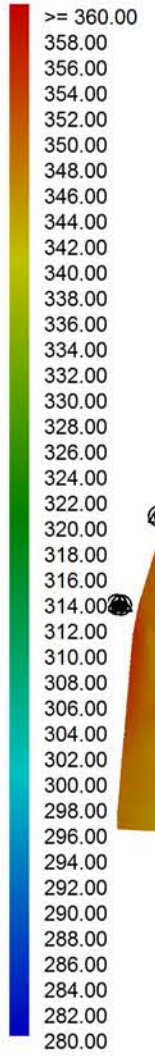
Scale: 1 Inch = 460.00 Feet



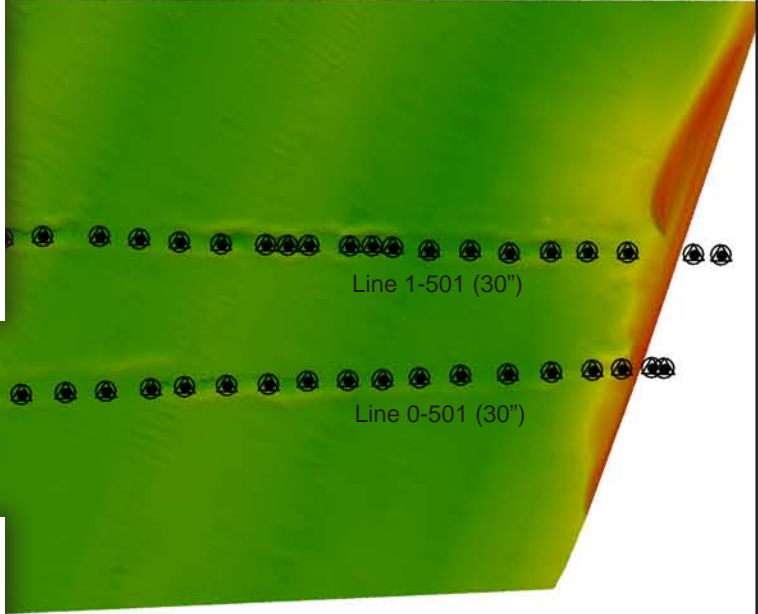
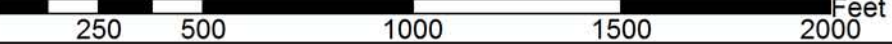
 DEPTH OF COVER STUDY
Multibeam Overview
PREPARED FOR:



NAVD88
Elevation



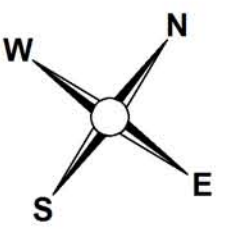
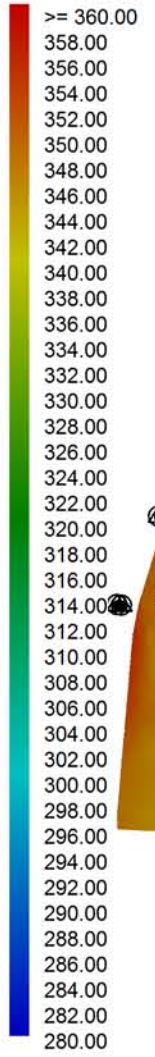
Scale: 1 Inch = 460.00 Feet



Multibeam/Side Scan Detail 1

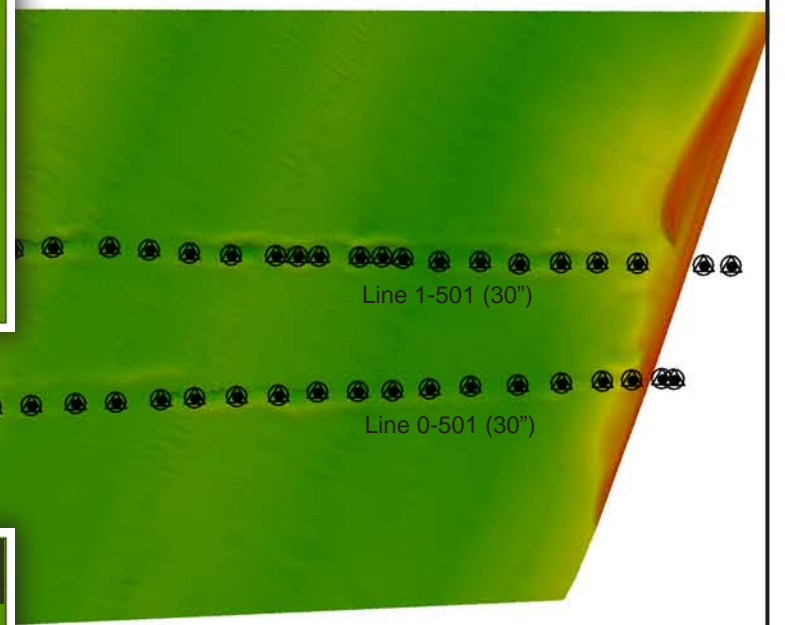
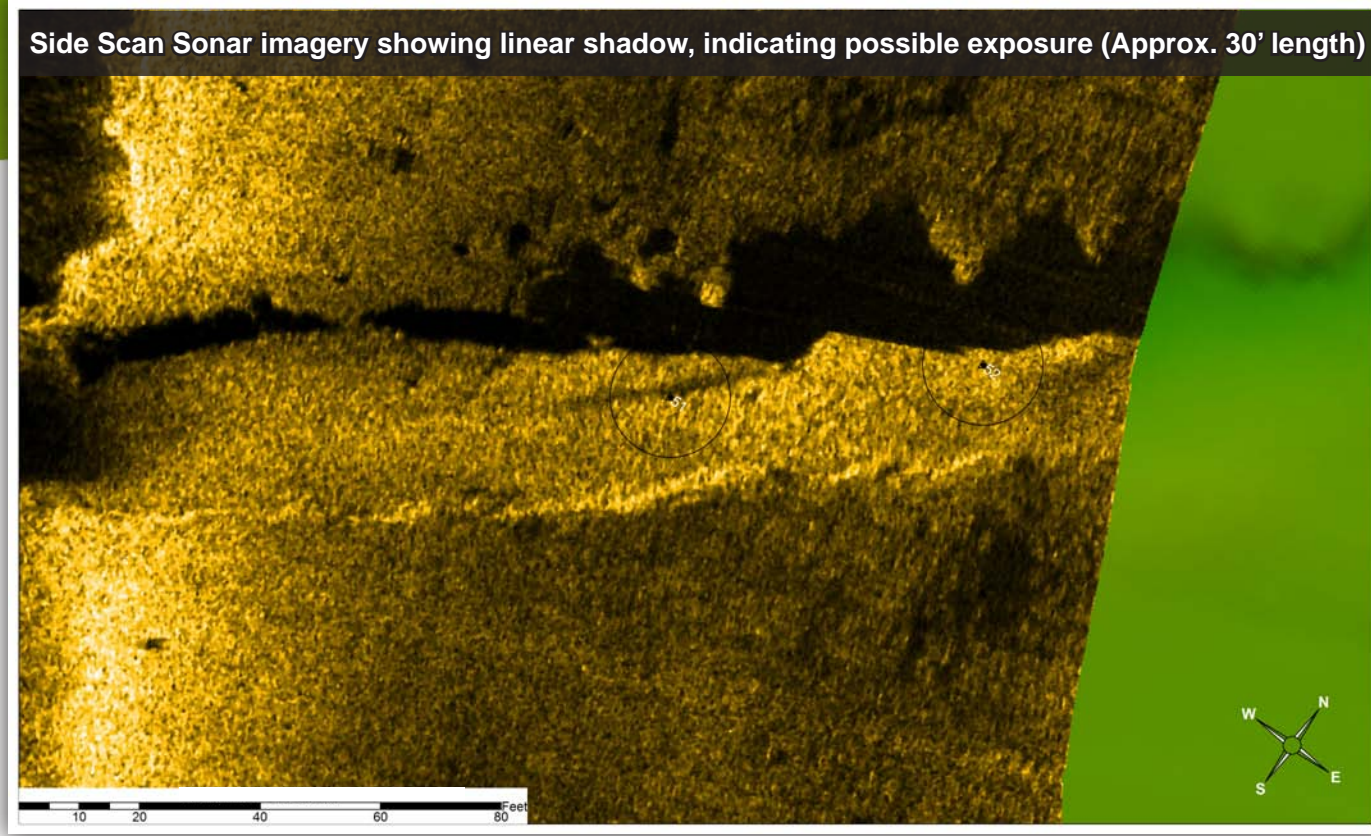
PREPARED FOR:

NAVD88
Elevation



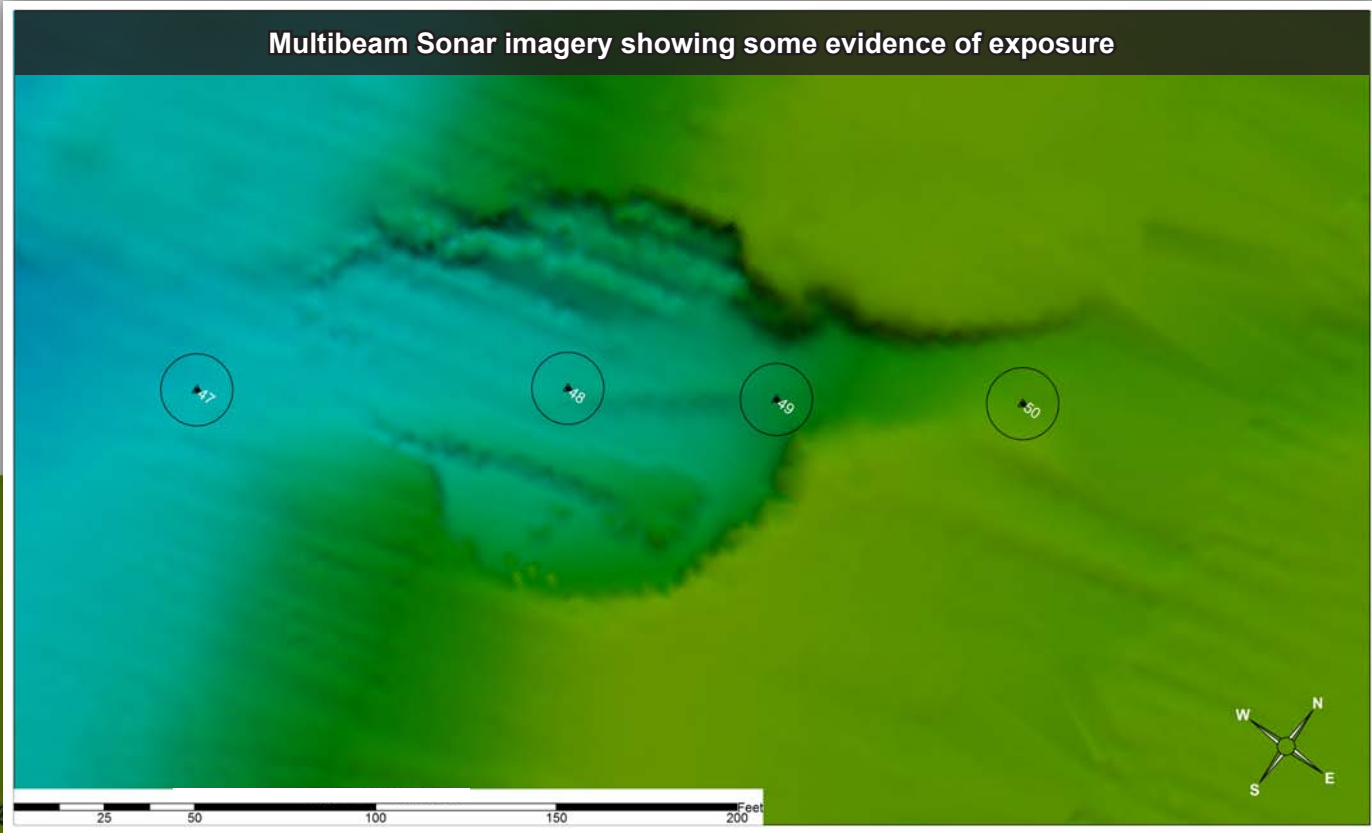
Scale: 1 Inch = 460.00 Feet

A horizontal scale bar with markings at 250, 500, 1000, 1500, and 2000 feet.



<p>DOC MAPPING</p>	DEPTH OF COVER STUDY
	Multibeam/Side Scan Detail 2
PREPARED FOR:	

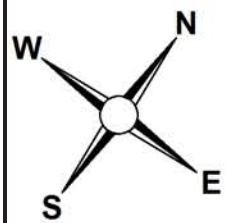
Multibeam Sonar imagery showing some evidence of exposure



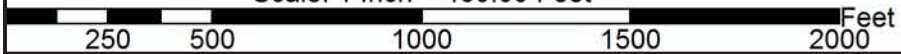
Side Scan Sonar imagery confirming exposure (Approx. 60' length)



NAVD88
Elevation



Scale: 1 Inch = 460.00 Feet



Multibeam/Side Scan Detail

PREPARED FOR: