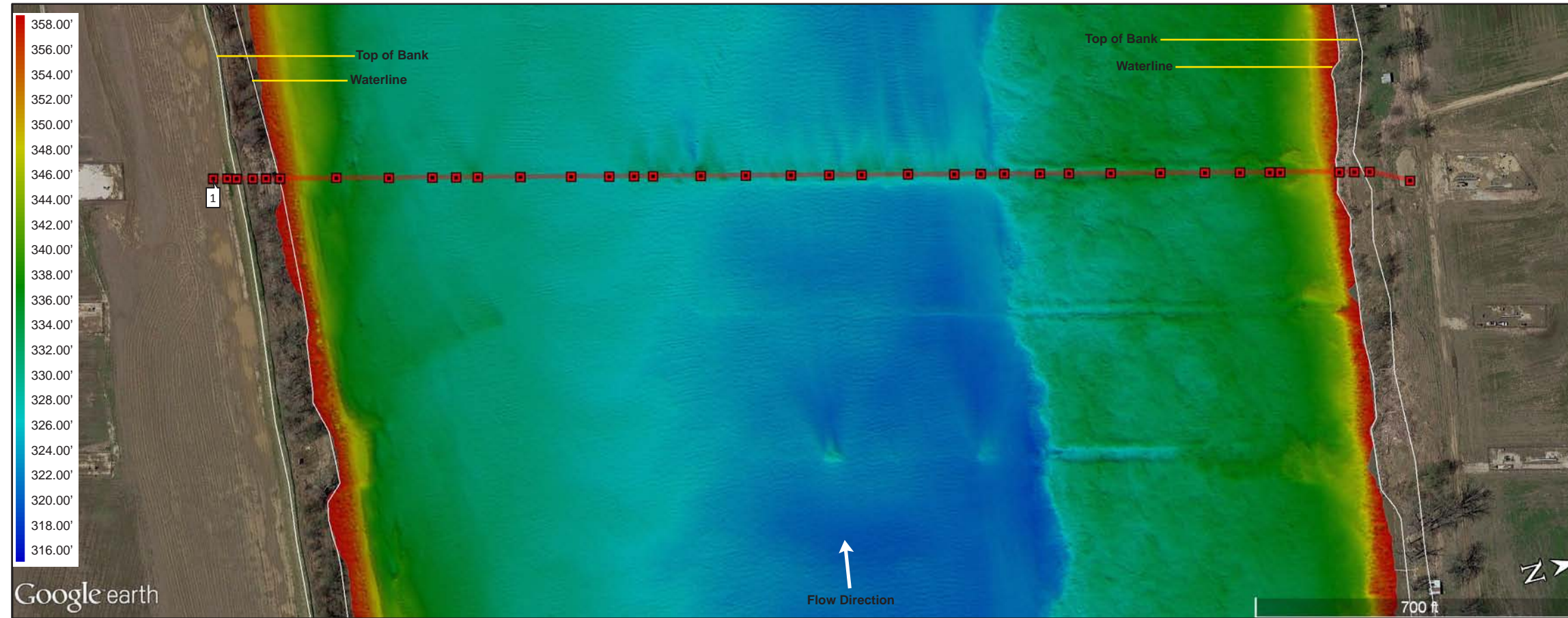


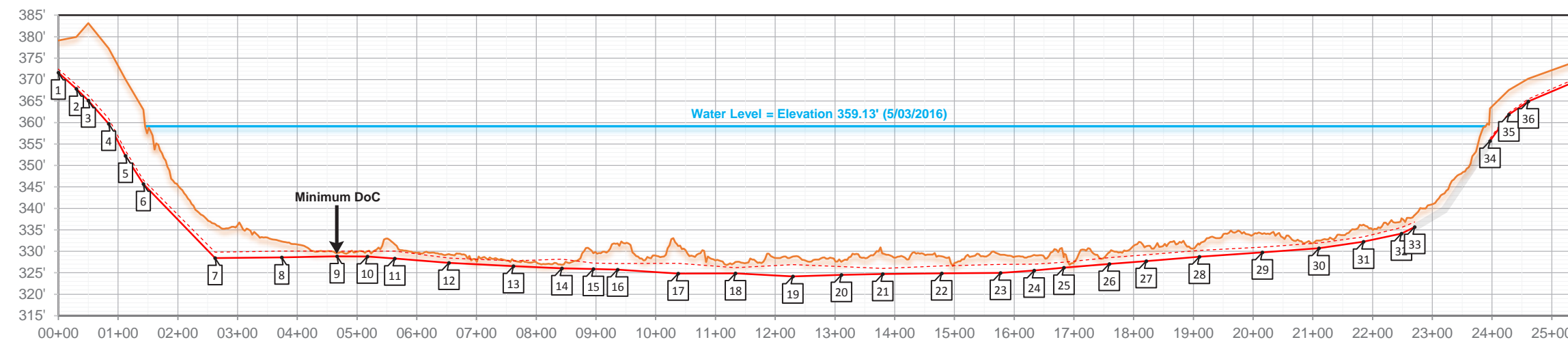
**PLAN VIEW**



**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			379.12	371.64	7.48	6.69
2	00+30			379.92	367.85	12.07	11.12
3	00+50			383.15	365.14	18.01	16.86
4	00+84			377.27	359.72	17.55	16.34
5	01+13			370.07	352.26	17.81	16.60
6	01+42			362.96	345.67	17.29	16.37
7	02+62			336.35	328.44	7.91	6.53
8	03+74			332.28	328.57	3.71	2.20
9	04+67			329.63	328.86	0.77	-0.42
10	05+17			330.02	328.79	1.23	0.03
11	05+63			331.66	328.33	3.33	1.59
12	06+54			329.36	327.33	2.03	0.92
13	07+62			327.85	326.54	1.31	0.06
14	08+43			326.87	326.05	0.82	-1.28
15	08+96			329.53	325.89	3.64	2.25
16	09+36			331.86	325.76	6.10	4.70
17	10+38			331.23	324.83	6.40	4.01
18	11+33			327.49	324.88	2.61	1.29
19	12+29			328.81	324.15	4.66	1.90
20	13+11			327.56	324.50	3.06	1.14
21	13+80			329.49	324.71	4.78	3.48
22	14+79			328.84	324.87	3.97	2.26
23	15+77			329.20	324.98	4.22	2.24
24	16+33			329.13	325.52	3.61	2.12
25	16+83			329.43	326.18	3.25	1.96
26	17+59			329.72	327.08	2.64	1.18
27	18+21			331.17	327.73	3.44	1.97
28	19+10			331.53	328.72	2.81	1.31
29	20+15			334.02	329.74	4.28	3.06
30	21+10			332.51	330.71	1.80	0.55
31	21+85			336.19	332.24	3.95	2.83
32	22+48			337.70	334.13	3.57	2.15
33	22+70			338.42	335.68	2.74	1.62
34	23+96			363.27	355.72	7.54	7.02
35	24+28			367.58	361.88	5.71	5.31
36	24+61			370.23	364.92	5.31	4.75
37	25+49			374.52	370.09	4.43	3.77

**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"> <li>Water Level</li> <li>Topo / Bathymetry</li> <li>Projected Topo / Bathymetry</li> <li>+VSDV</li> <li>T.O.P. Point</li> <li>No Data (obstruction, loss of signal)</li> <li>Transmitter Hookup Site (if nearby)</li> </ul>	<p><b>DoC</b> - Depth of Cover</p> <p><b>T.O.P.</b> - Top of Pipe (or Cable, Conduit, etc.)</p> <p><b>+VSDV</b> - Positive aspect of vertical confidence level. Represents a 95% likelihood that the true position of the target lies deeper than this point.</p> <p><b>MSDoC*</b> - Minimum Statistical Depth of Cover. This reflects the measured distance from the +VSDV component to the Topo / Bathymetry line.</p>			<p>CONTROL POINT(S) 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> <tr> <td>ID - CO-01</td> <td>ID - CO-02</td> </tr> <tr> <td>E - 4503487.245</td> <td>E - 4503790.126</td> </tr> <tr> <td>N - 3834354.903</td> <td>N - 3834309.757</td> </tr> <tr> <td>EL - 375.164</td> <td>EL - 375.334</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-01	ID - CO-02	E - 4503487.245	E - 4503790.126	N - 3834354.903	N - 3834309.757	EL - 375.164	EL - 375.334
ID - CO-01	ID - CO-02											
E - 4503487.245	E - 4503790.126											
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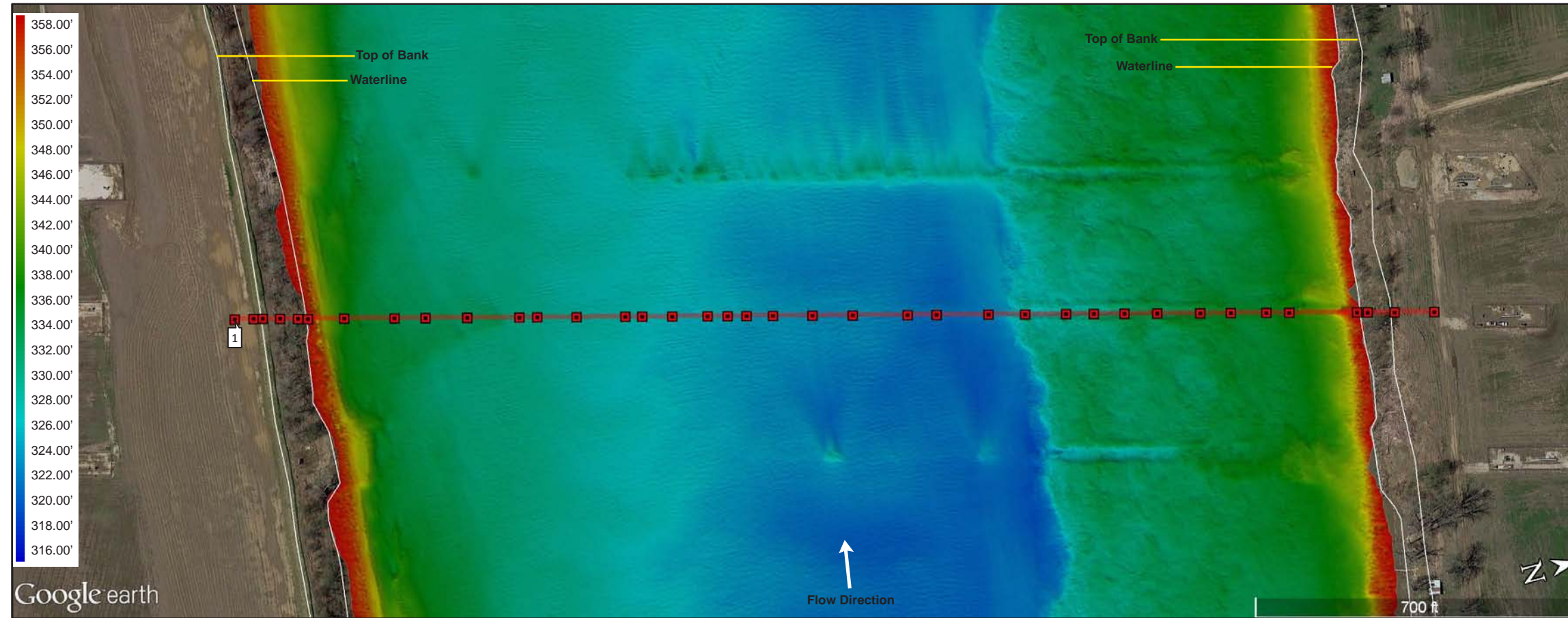


**DEPTH OF COVER STUDY**  
DATE(S): 5/03/2016

**PLAN / PROFILE**

PREPARED FOR:

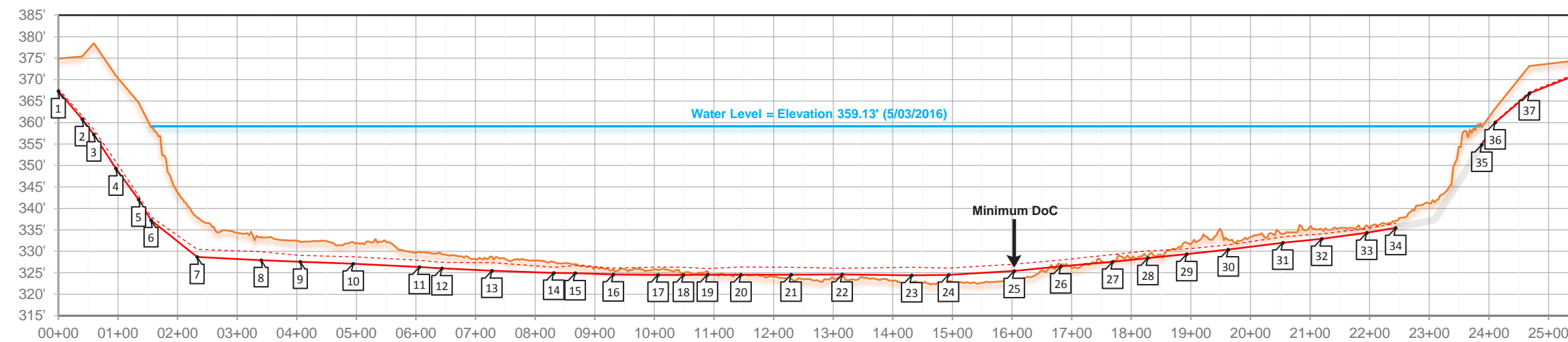
**PLAN VIEW**



**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			374.87	367.30	7.58	7.05
2	00+40			375.39	360.79	14.60	13.84
3	00+60			378.49	357.23	21.26	20.14
4	00+97			370.90	349.28	21.62	20.01
5	01+35			364.64	342.04	22.60	21.72
6	01+55			358.94	337.25	21.68	20.86
7	02+33			337.86	328.68	9.18	7.38
8	03+40			333.37	327.95	5.42	3.44
9	04+06			332.22	327.58	4.64	3.19
10	04+95			332.22	327.13	5.09	3.46
11	06+06			329.89	326.33	3.56	1.96
12	06+44			329.33	326.05	3.28	1.94
13	07+27			328.71	325.46	3.25	1.34
14	08+31			327.53	324.99	2.54	1.23
15	08+67			327.03	324.90	2.13	0.35
16	09+31			325.79	324.63	1.16	-0.30
17	10+06			325.62	324.53	1.09	-0.70
18	10+49			324.80	324.53	0.27	-1.47
19	10+89			325.43	324.57	0.86	-0.55
20	11+45			324.51	324.54	-0.03	-1.82
21	12+29			323.62	324.58	-0.96	-2.70
22	13+15			324.08	324.59	-0.51	-1.98
23	14+32			322.80	324.42	-1.62	-3.51
24	14+93			323.03	324.53	-1.50	-3.06
25	16+04			323.26	325.42	-2.16	-3.73
26	16+82			326.80	326.49	0.31	-1.17
27	17+69			327.53	327.57	-0.04	-1.73
28	18+28			328.77	328.43	0.34	-1.35
29	18+93			331.99	329.35	2.64	1.43
30	19+63			332.71	330.44	2.27	1.22
31	20+54			334.02	332.02	2.00	0.67
32	21+19			335.17	332.92	2.25	1.12
33	21+95			336.06	334.31	1.75	0.75
34	22+44			337.14	335.43	1.71	0.62
35	23+88			358.89	354.83	4.07	3.80
36	24+11			363.25	360.03	3.21	3.02
37	24+68			373.17	366.80	6.36	6.00
38	25+52			374.55	371.40	3.15	2.79

**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"> <li>Water Level</li> <li>Topo / Bathymetry</li> <li>Projected Topo / Bathymetry</li> <li>+VSDV</li> <li>T.O.P. Point</li> <li>No Data (obstruction, loss of signal)</li> <li>Transmitter Hookup Site (if nearby)</li> </ul>	<p><b>DoC</b> - Depth of Cover</p> <p><b>T.O.P.</b> - Top of Pipe (or Cable, Conduit, etc.)</p> <p><b>+VSDV</b> - Positive aspect of vertical confidence level. Represents a 95% likelihood that the true position of the target lies deeper than this point.</p> <p><b>MSDoC*</b> - Minimum Statistical Depth of Cover. This reflects the measured distance from the +VSDV component to the Topo / Bathymetry line.</p>			<p>CONTROL POINT(S) 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 border="0"> <tr> <td>ID - CO-01</td> <td>ID - CO-02</td> </tr> <tr> <td>E - 4503487.245</td> <td>E - 4503790.126</td> </tr> <tr> <td>N - 3834354.903</td> <td>N - 3834309.757</td> </tr> <tr> <td>EL - 375.164</td> <td>EL - 375.334</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-01	ID - CO-02	E - 4503487.245	E - 4503790.126	N - 3834354.903	N - 3834309.757	EL - 375.164	EL - 375.334
ID - CO-01	ID - CO-02											
E - 4503487.245	E - 4503790.126											
N - 3834354.903	N - 3834309.757											
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**DEPTH OF COVER STUDY**  
DATE(S): 5/03/2016

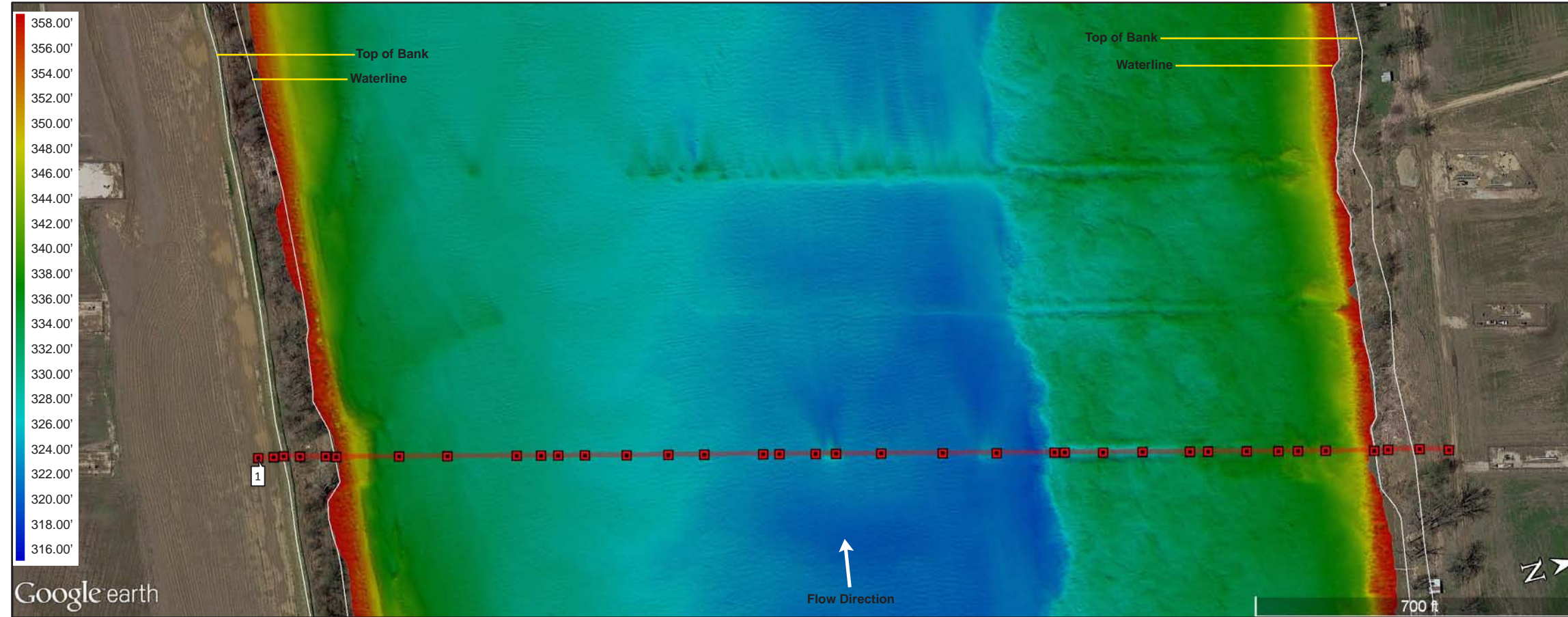
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**PLAN / PROFILE**

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PREPARED FOR:

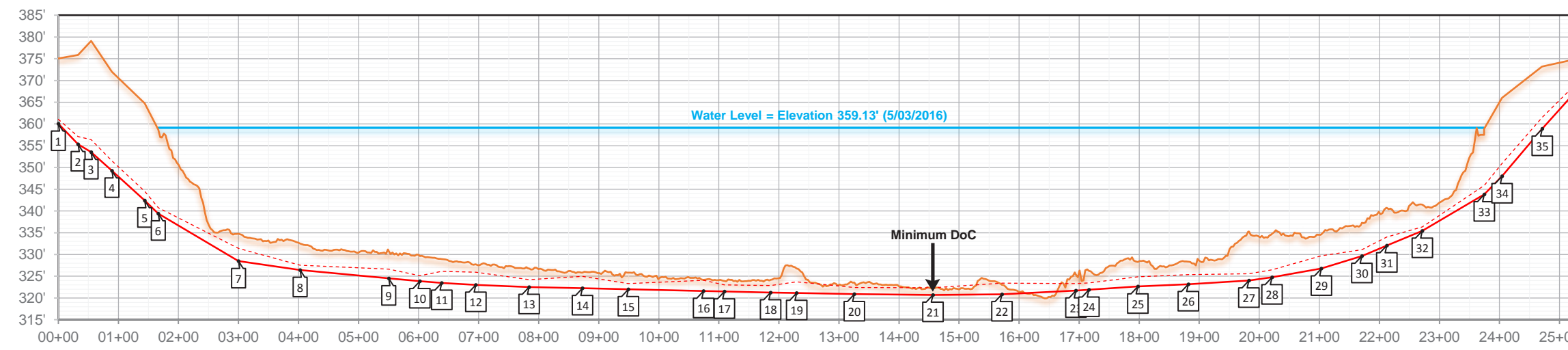
**PLAN VIEW**



**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			375.06	360.06	15.00	13.99
2	00+33			375.86	355.34	20.51	18.74
3	00+55			379.09	353.52	25.57	22.71
4	00+89			371.99	349.28	22.71	20.45
5	01+44			364.77	342.42	22.35	20.22
6	01+66			358.73	339.43	19.30	17.96
7	03+00			334.78	328.47	6.31	3.39
8	04+03			332.51	326.44	6.07	4.99
9	05+50			330.74	324.50	6.24	4.12
10	06+02			329.63	323.85	5.78	4.50
11	06+39			328.94	323.48	5.46	2.83
12	06+95			327.72	323.02	4.70	1.77
13	07+84			326.80	322.53	4.27	2.61
14	08+73			325.82	322.27	3.55	0.87
15	09+49			325.85	322.01	3.84	2.54
16	10+75			324.18	321.61	2.57	0.13
17	11+09			323.92	321.48	2.44	0.92
18	11+86			324.18	321.27	2.91	1.32
19	12+30			326.77	321.15	5.62	3.06
20	13+26			323.56	320.88	2.68	1.18
21	14+57			322.47	320.72	1.75	0.12
22	15+71			323.03	320.86	2.17	-0.38
23	16+95			325.36	321.70	3.66	2.05
24	17+16			326.21	321.89	4.32	2.75
25	17+98			328.28	322.63	5.65	3.39
26	18+82			328.35	323.18	5.17	3.00
27	19+83			335.30	324.00	11.30	9.71
28	20+21			334.78	324.75	10.03	8.28
29	21+03			334.61	326.76	7.85	4.90
30	21+71			337.27	329.66	7.61	6.16
31	22+12			340.71	332.08	8.63	6.67
32	22+72			341.47	335.44	6.03	5.13
33	23+75			358.85	343.81	15.04	12.94
34	24+04			366.02	347.99	18.02	15.10
35	24+71			373.17	358.89	14.28	11.62
36	25+34			375.12	368.51	6.60	5.03

**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"> <li>Water Level</li> <li>Topo / Bathymetry</li> <li>Projected Topo / Bathymetry</li> <li>+VSDV</li> <li>T.O.P. Point</li> <li>No Data (obstruction, loss of signal)</li> <li>Transmitter Hookup Site (if nearby)</li> </ul>	<p><b>DoC</b> - Depth of Cover</p> <p><b>T.O.P.</b> - Top of Pipe (or Cable, Conduit, etc.)</p> <p><b>+VSDV</b> - Positive aspect of vertical confidence level. Represents a 95% likelihood that the true position of the target lies deeper than this point.</p> <p><b>MSDoC*</b> - Minimum Statistical Depth of Cover. This reflects the measured distance from the +VSDV component to the Topo / Bathymetry line.</p>			<p>CONTROL POINT(S) 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 border="0"> <tr> <td>ID - CO-01</td> <td>ID - CO-02</td> </tr> <tr> <td>E - 4503487.245</td> <td>E - 4503790.126</td> </tr> <tr> <td>N - 3834354.903</td> <td>N - 3834309.757</td> </tr> <tr> <td>EL - 375.164</td> <td>EL - 375.334</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-01	ID - CO-02	E - 4503487.245	E - 4503790.126	N - 3834354.903	N - 3834309.757	EL - 375.164	EL - 375.334
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E - 4503487.245	E - 4503790.126											
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EL - 375.164	EL - 375.334											



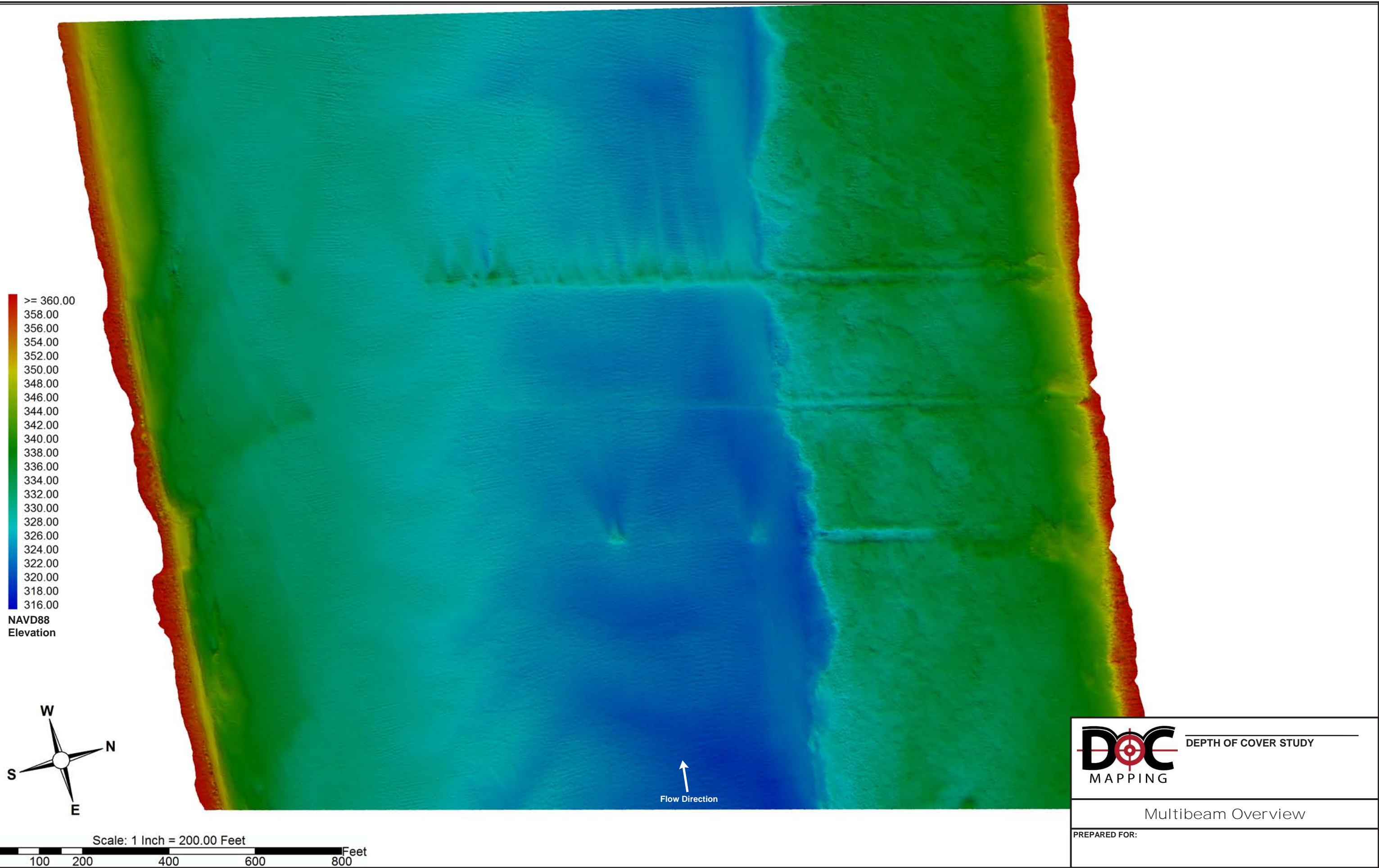
**DEPTH OF COVER STUDY**  
DATE(S): 5/03/2016

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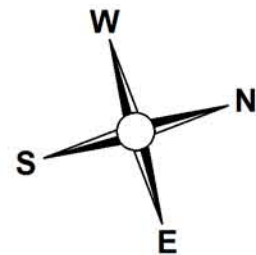
**PLAN / PROFILE**

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PREPARED FOR:



>= 360.00  
358.00  
356.00  
354.00  
352.00  
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346.00  
344.00  
342.00  
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330.00  
328.00  
326.00  
324.00  
322.00  
320.00  
318.00  
316.00  
NAVD88  
Elevation



Flow Direction



Multibeam Overview

PREPARED FOR:

Scale: 1 Inch = 200.00 Feet

100 200 400 600 800 Feet

