



CCR Surface Impoundment Closure Certification Report Ash Ponds 1-3

Black Dog Generating Plant

Prepared for
Xcel Energy

February 2017

CCR Surface Impoundment Closure Certification Report

Ash Ponds 1-3

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Contents

1.0	Introduction	1
2.0	Pre-Closure Conditions	2
2.1	Ash Pond Construction and Operation.....	2
2.2	CCR Limits.....	2
2.3	Pre-Dredge Survey	2
3.0	Field Documentation.....	4
3.1	Veit Daily Report	4
3.2	Barr Daily Report.....	4
4.0	CCR Removal & Verification.....	5
4.1	Dredge Method.....	5
4.2	Dredge Sequencing	5
4.3	Post-Dredge Verification	5
5.0	Impoundment Fill	7
6.0	Conclusions.....	8

List of Tables

Table 2-1	CCR Quantity to be Removed.....	3
Table 4-1	CCR Quantity Removed.....	6
Table 5-1	Imported Fill Volumes.....	7

List of Figures

Figure 1	Site Location Map
Figure 2	Existing Layout
Figure 3	Pre-Dredge Condition
Figure 4	Post-Dredge Condition
Figure 5	Pond Fill Condition
Figure 6	Cross Sections

List of Appendices, Attachments, or Exhibits

Appendix A	Aerial Photo Log
Appendix B	Pond 1 Photo Log
Appendix C	Pond 2 Photo Log
Appendix D	Pond 3 Photo Log
Appendix E	Survey Verification Plan and Tables

Certifications

I hereby certify that based on the verification procedures and data collected under my direction as documented in this report, the coal combustion residuals (CCR) in the Black Dog Generating Plant's inactive CCR surface impoundments were removed in accordance with 40 CFR 257.100(b)(5), . This report was prepared by me or under my direct supervision and I am a duly licensed professional engineer under the laws of the State of Minnesota.



Jeremy Gacnik
PE #: 49292

2/6/17

Date

1.0 Introduction

The United States Environmental Protection Agency (EPA) published a final rule to regulate the disposal of coal combustion residuals (CCR) as solid waste under subtitle D of the Resource Conservation and Recovery Act (RCRA), 40 CFR Parts 257 and 261 (Rule). Three CCR surface impoundments, Ash Ponds 1 through 3 (CCR Units), are located at the Black Dog Generating Plant (Black Dog) in Burnsville, MN (Figures 1 and 2). The CCR Units are owned and operated by Northern State Power Company, a Minnesota corporation doing business as Xcel Energy (NSPM).

Coal operations ceased at the Black Dog site in April 2015. Decommissioning of the plant's coal-fired boilers and associated equipment and storage eliminated the coal ash-related waste streams directed to the CCR Units. CCR discharges to the impoundments ceased prior to October 19, 2015. As a result, and in compliance with the Rule, the CCR Units at Black Dog are classified as inactive CCR surface impoundments. All remaining wastewater discharged from the plant to the CCR Units was redirected to an alternate discharge system, thereby allowing the CCR Units and their associated components to be closed.

In accordance with § 257.105 through § 257.107 of the Rule, covering recordkeeping, notification and internet requirements, NSPM placed a notification of intent to initiate closure of the CCR Units in the Facility's operating record on December 1st, 2015, and subsequently posted the document to the Site's CCR Rule Compliance Data and Information public website (CCR website). The notification stated that the three CCR Units present at the site would be regulated as "inactive surface impoundments" and that closure would be completed in accordance with Rule § 257.100 no later than April 17, 2018.

With the notification of intent to initiate closure, NSPM posted a closure feasibility certification to the Facility's operating record and to the Site's CCR website on December 1st, 2015. The certification summarized the proposed removal process and timeline and stated that the CCR Units will be closed through removal of CCR in accordance with Rule § 257.100.

This report presents the results of construction observation, documentation, and surveying verification performed by Barr Engineering Co. (Barr) as project engineer during surface impoundment closure by removal of CCR material from the CCR Units at Black Dog. The construction was performed by Veit, Inc (Veit). The report also provides certification of closure for the CCR Units in accordance with the Rule.

2.0 Pre-Closure Conditions

This section describes pre-closure (pre-construction) site conditions.

2.1 Ash Pond Construction and Operation

The CCR Units had been the primary component of the process water (ash or contact water) treatment system (NPDES Permit Outfall SD-005) at the Black Dog Generating Plant since they were constructed in the 1970s. The CCR Units included three ash settling ponds (Ash Ponds 1-3).

Ponds 1 through 3, each covering approximately two acres, were constructed to a bottom elevation of 695 ft MSL. Two pipelines, the ash sluice pipeline and the bilge water/yard drainage pipeline, discharged into the west end of Pond 3, with a return water intake at the west end of Pond 2 that supported re-use of pond water in the plant to the extent practical. Corrugated metal culverts installed between the ponds allowed the ponds to be operated in series (3, 2, 1). Water that was not reclaimed for use in the plant was discharged to a clarifying pond, designated Pond 4. A discharge control structure in Pond 4 allowed periodic batch releases of water to Cedar Basin. The batch discharges occurred periodically after isolating Pond 4 and determining that the water met permit discharge criteria.

2.2 CCR Limits

Ponds 1-3 were incised ponds constructed within legacy materials from historic landfilling and beneficial use activities. Since this legacy material is not subject to regulation under the CCR rule it is being managed via a State Approved Response Action Plan. Ponds 1 through 3 were constructed to have a bottom elevation of 695-ft. Closure of the ponds consisted of the removal of CCRs from an elevation of 694.5 and above.

2.3 Pre-Dredge Survey

Barr completed a bathymetric survey of the impoundments in May 2015 to evaluate the quantity of material to be removed and to assist in selecting a dredge method selection and preparing construction drawings.

Prior to dredging activities starting, Veit hired a third party survey firm (EVS, Inc.) to survey each of the CCR Units. The pre-dredge survey was performed to establish elevations to be used in calculating the in-place volume to be removed. The survey was performed in transects spaced a maximum of 20 feet. Transects extended to at least 15 feet past the point where the neat-line dredge prism extent met the existing ground or sediment surface. Survey points were collected every five feet along each transect and at the tops and toes of slopes and other topographic break lines.

The surveyor used a grade rod with a 6 inch diameter plate mounted to the bottom to reduce the amount of penetration by the rod into the soft CCR within the CCR Units. The grade rod had a weight of no more than 8 pounds, including the base plate, and the same rod was used throughout the project for consistency of data collection. Survey shots were taken from a boat due to the access restrictions with the soft CCR characteristics.

Survey data was provided to Barr in electronic format, including both AutoCAD and point files. The surveyed points included a unique identification number, northing, easting, elevation and point description. The contours generated from the pre-dredge survey are shown in Figure 3. Barr compared the pre-dredge survey surface to the pond design limits within AutoCAD to determine the minimum quantity of CCR material to be removed (as shown in the Table 2-1 below):

Table 2-1 CCR Quantity to be Removed

Pond Description	CCR Material ⁽¹⁾
Pond 1	5,100 cy
Pond 2	7,700 cy
Pond 3	9,250 cy

Note(s):

(1) CCR material quantities calculated from comparing pre-dredge survey surface to the impoundment design limits

3.0 Field Documentation

Project documentation was performed both by Veit and Barr. This section describes the information collected by each.

3.1 Veit Daily Report

The on-site Veit superintendent completed a daily report during all construction activities, documenting the Veit workers and sub-consultants on-site and a list of tasks completed each day. The reports also tracked the following information:

- Safety issues and concerns
- Weather conditions
- Equipment used and approximate hours
- Approximate amount of material dredged each day
- Amount of fill imported and placed within the dredged ponds

3.2 Barr Daily Report

Barr performed periodic observation of the dredging and filling construction activities. Construction observation consisted of observing and recording activities of the general contractor and subcontractor, answering questions and interpreting information contained in the plans and specifications as requested by the contractor, performing daily record keeping and taking photos of various aspects of construction, conducting weekly construction meetings, providing assistance in directing testing and quality control activities performed by the construction contractor and subcontractors, and reviewing quality control verification results. The Barr on-site representative filled out a daily report after each day of construction observation summarizing the day's closure activities.

Throughout the construction, NSPM periodically obtained aerial photographs of the project site. Views of the CCR Units from September 2016 to January 2017 are shown in Appendix A to show relative progress every couple months. Photo documentation from field representatives during the construction activity for Pond 1, Pond 2 and Pond 3 can be found in Appendix B, C, and D respectively. The photo documentation provides a representative view of the construction activities completed on a given day for each pond.

4.0 CCR Removal & Verification

CCR removal was accomplished through dewatering the ponds, making a final selection of dredging method, conducting the dredging and verifying that dredging had removed materials to the extent established in the approved plan. The following sections describe these activities in more detail.

4.1 Dredge Method

Once the initial surface water had been removed from the CCR Unit to be dredged and managed appropriately, Veit used a long reach excavator fitted with a 1.5 CY bucket to remove CCR. The excavator was positioned along the top of the CCR Unit in accessible areas along the west ends and along the interior access berms. After each CCR Unit had been sufficiently dewatered, a GPS-equipped excavator on swamp mats traveled on top of the CCR material to access areas that were inaccessible from the pond perimeter. The dredged material was placed in a 30 ton off-road haul truck and transported to the dewatering pad for storage, dewatering, and subsequent off-site disposal.

4.2 Dredge Sequencing

Dredging generally progressed in sequence starting with Pond 3, followed by Pond 2 and then Pond 1. Dredging began on October 6th, 2016 and was completed on December 12th, 2016. Dredging has been completed when the post-dredge survey verification has been approved. Dredging in Pond 3 was suspended on October 27th in part to allow the pond to dewater further, but resumed on November 28th after dredging of Pond 2 and Pond 1 had been completed.

4.3 Post-Dredge Verification

Upon removal of the material in each pond, Veit hired a third party surveying firm (EVS, Inc.) to complete a post-dredge survey to document that the actual dredge depths were no higher than the dredge limits defined in the construction plans and specifications. The post-dredge survey was completed using the same method as the pre-dredge survey to maintain consistency.

Survey data was provided to Barr in electronic format and included both AutoCAD and a point files. The description of each surveyed point included a unique identification number, northing, easting, elevation and point description. The contours generated from the pre-dredge survey are shown in Figure 4. Barr compared the post-dredge survey to surface to the pre-dredge survey surface within AutoCAD Civil 3D to determine the CCR quantity removed. A detailed breakdown of the surface comparison per surveyed point is located in Appendix E. A summary of the material removed per pond is shown in Table 4-2 below.

Table 4-1 CCR Quantity Removed

Pond Description	Proposed CCR Removal ⁽¹⁾	Actual CCR Removal ⁽²⁾
Pond 1	5,100 cy	8,250 cy
Pond 2	7,700 cy	11,000 cy
Pond 3	9,250 cy	11,600 cy

Note(s):

(1) CCR material quantities calculated from comparing pre-dredge survey surface to the impoundment design limits

(2) CCR material quantities calculated from comparing pre-dredge survey surface to the actual excavation limits

5.0 Impoundment Fill

Following the removal of CCR materials from the CCR Units and completion of verification survey, granular fill was placed into the CCR Units. An excavator placed the granular fill along the leading edge of the fill operation to minimize disturbance of the legacy material at the base of the CCR Unit. A low ground pressure dozer was used to advance the fill from the west end to the east end. Once the granular fill was rough graded to the desired elevation to stabilize the bottom of the CCR Units, clean fill was imported and placed into Ponds 1 and 2 to maintain positive drainage during construction.

The volume of the imported material per pond is summarized in Table 5-1 below.

Table 5-1 Imported Fill Volumes

Pond	Granular Fill Placed ^(1,2)	Clean Fill Placed ^(1,2)	Total Fill Placed ^(1,2)
Pond 1	12,500 cy	10,900 cy	23,400 cy
Pond 2	17,700 cy	6,100 cy	23,800 cy
Pond 3	17,000 cy	---	17,000 cy

Note(s):

- (1) Quantities calculated from comparing fill survey surface to post-dredge survey surface
- (2) Quantities rounded to the nearest 100 cy

The surface elevation of the former impoundments were surveyed after the granular fill and clean fill import and placement was completed (Figure 5). Cross sections of the impoundments (Figure 6) were generated to show the various closure components, including pre-dredge conditions, CCR limits, post-dredge condition, and post-fill limits.

6.0 Conclusions

This report presents a summary of all observation, documentation, and survey data collected by Barr and Veit to verify that the CCR in the inactive CCR surface impoundments at the Black Dog Generating Plant was removed. It is Barr's opinion that the CCR was removed at a minimum to the limits of the CCR Units and that the removal was performed in accordance with 40 CFR 257.100(b)(5).

Figures

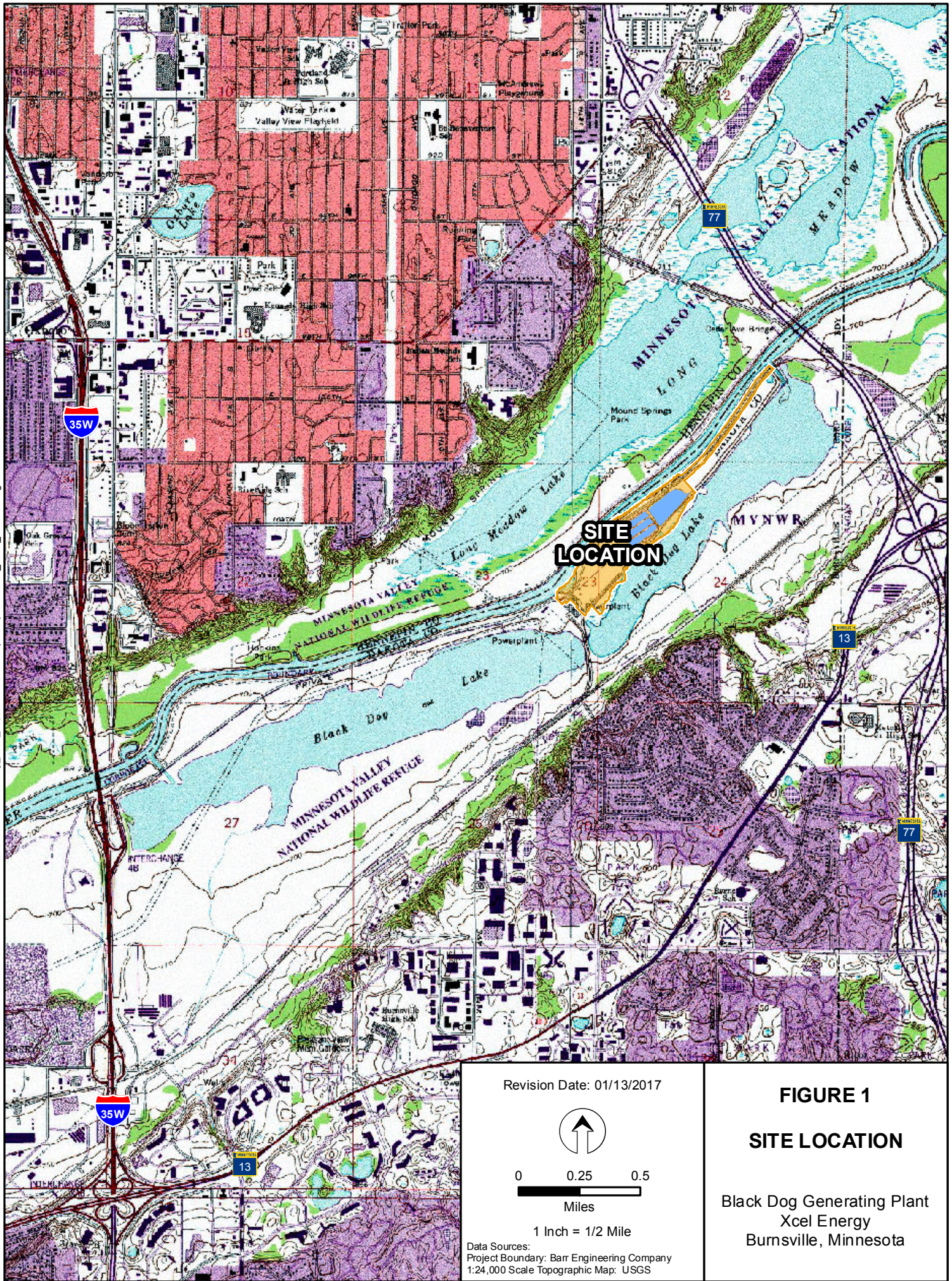




FIGURE 2

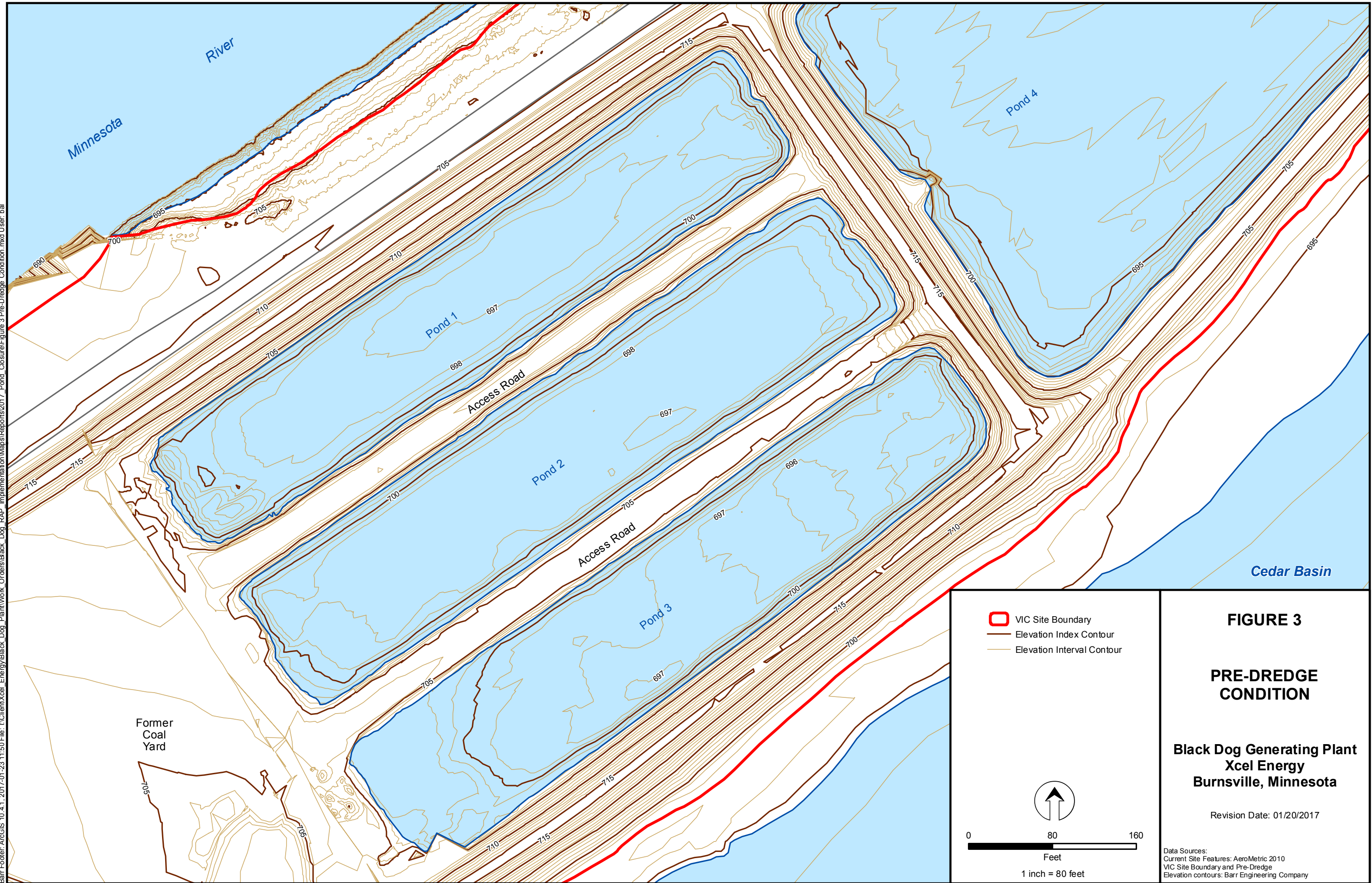
EXISTING LAYOUT

**Black Dog Generating Plant
Xcel Energy
Burnsville, Minnesota**

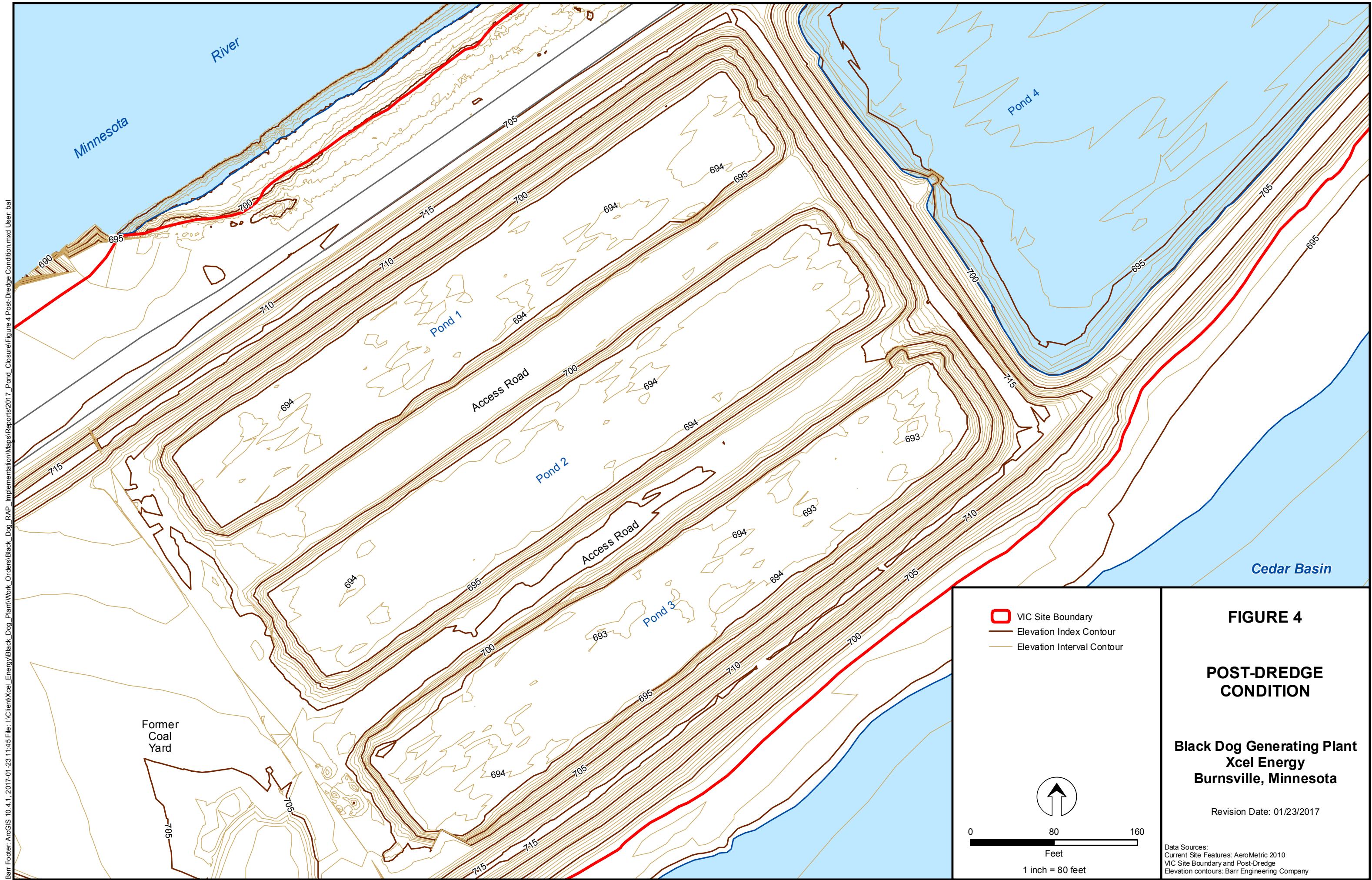
Revision Date: 01/13/2017

Data Sources:
Current Site Features: AeroMetric 2010
Flood Control Berm, VIC Site Boundary and Proposed Features:
Barr Engineering Company
Aerial Imagery: Dakota County 2016

Barr Footer: ArcGIS 10.4.1, 2017-01-23 11:50 File: I:\Client\Xcel_Energy\Black_Dog_Plant\Work_Orders\Black_Dog_RAP_Implementation\Maps\Reports\2017_Pond_Closure\Figure 3 Pre-Dredge Condition.mxd User: bal



Barr Footer: ArcGIS 10.4.1, 2017-01-23 11:45 File: I:\Client\Xcel_Energy\Black_Dog_Plant\Work_Orders\Black_Dog_RAP_Implementation\Maps\Reports\2017_Pond_Closure\Figure 4 Post-Dredge Condition.mxd User: bai



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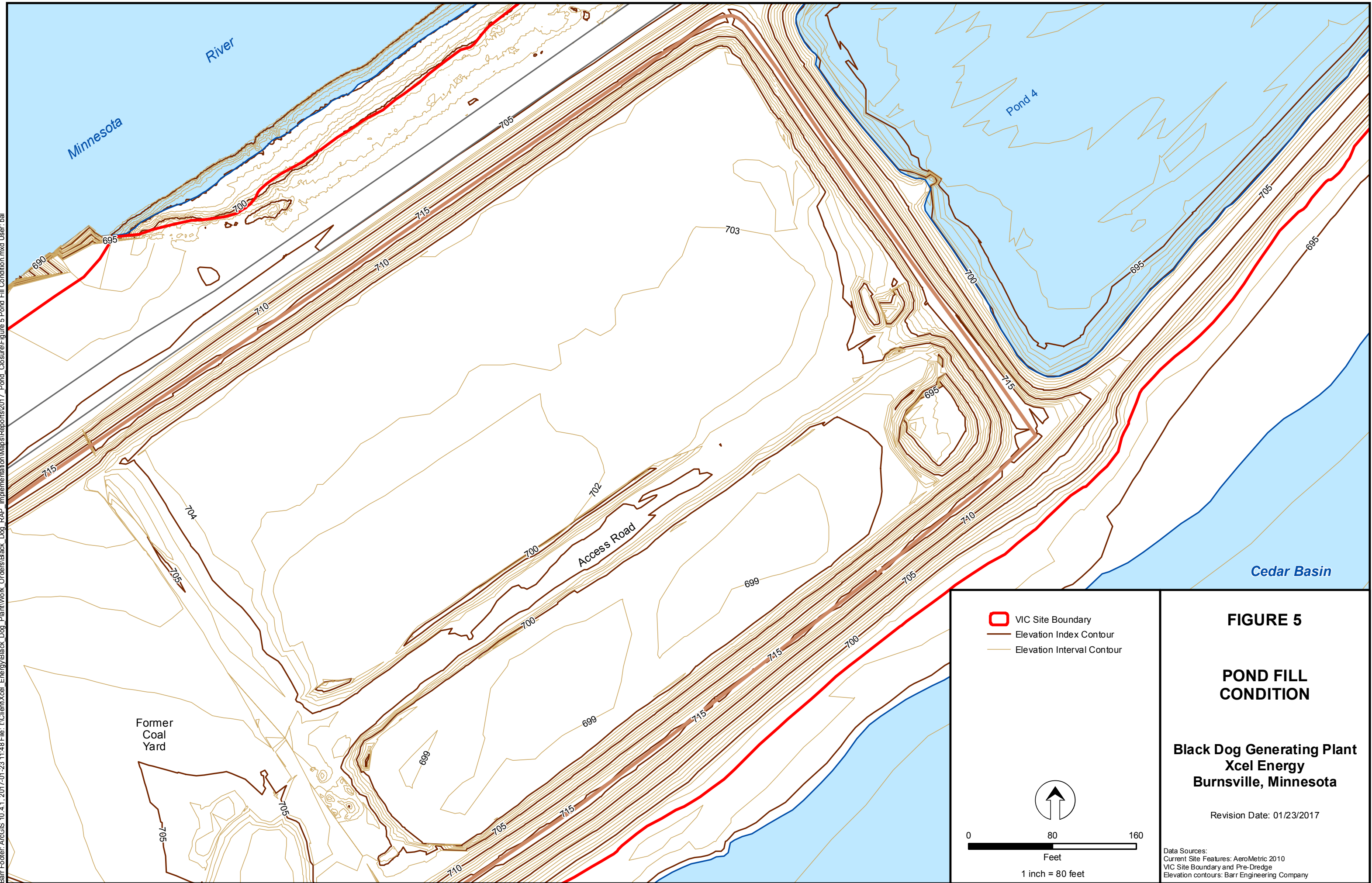


FIGURE 5

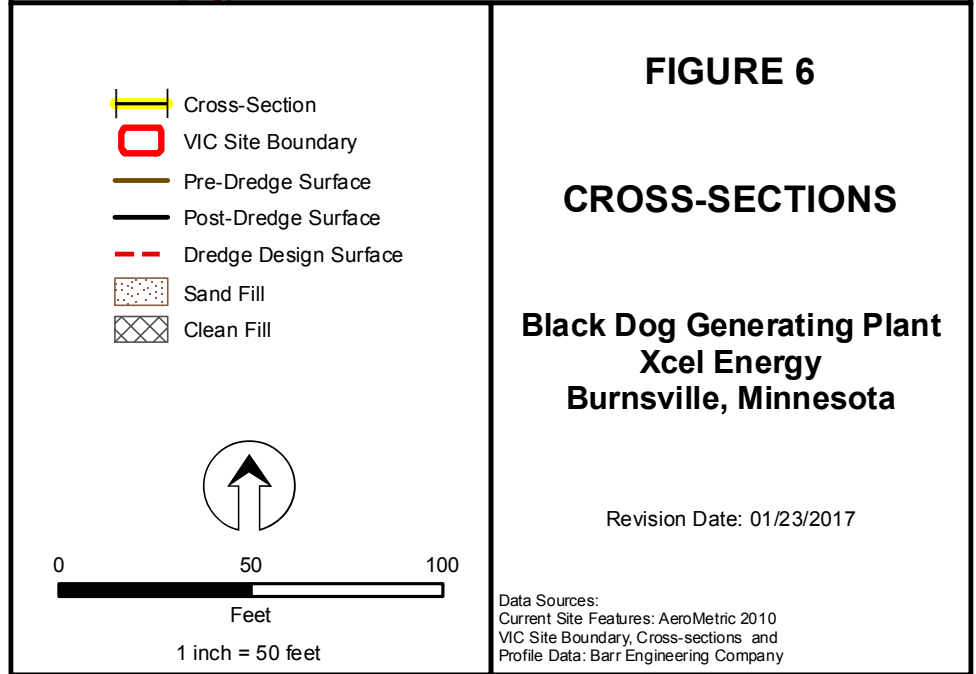
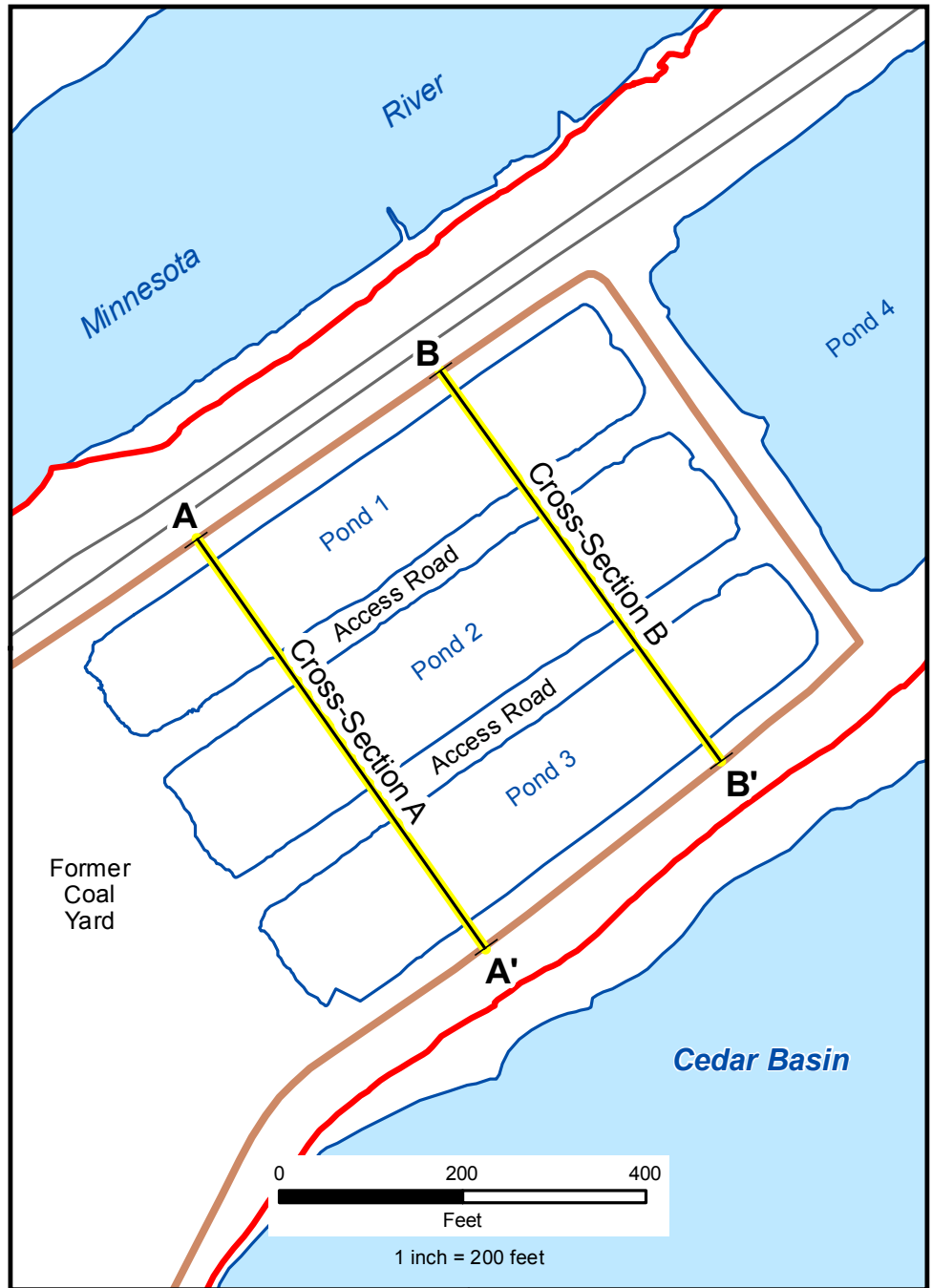
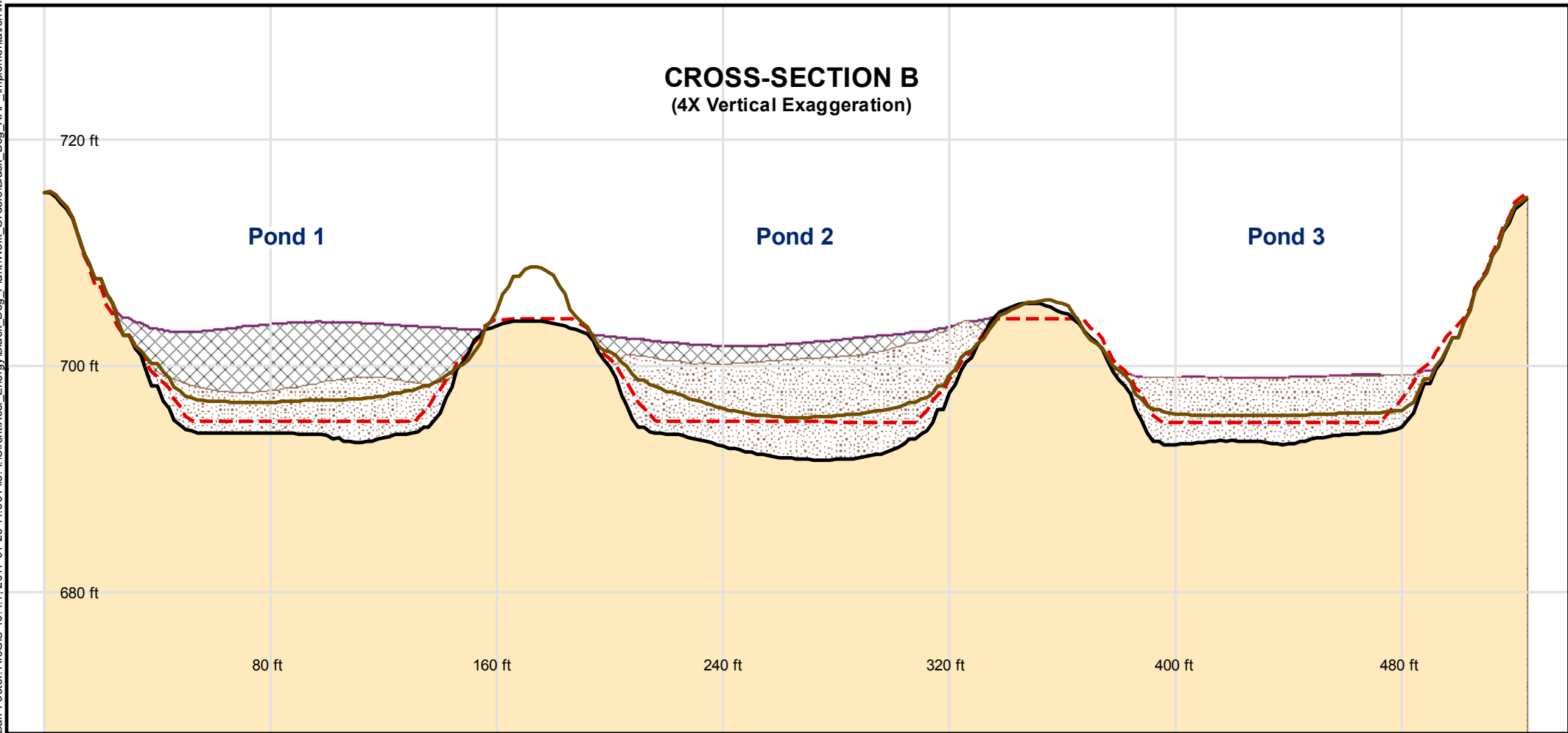
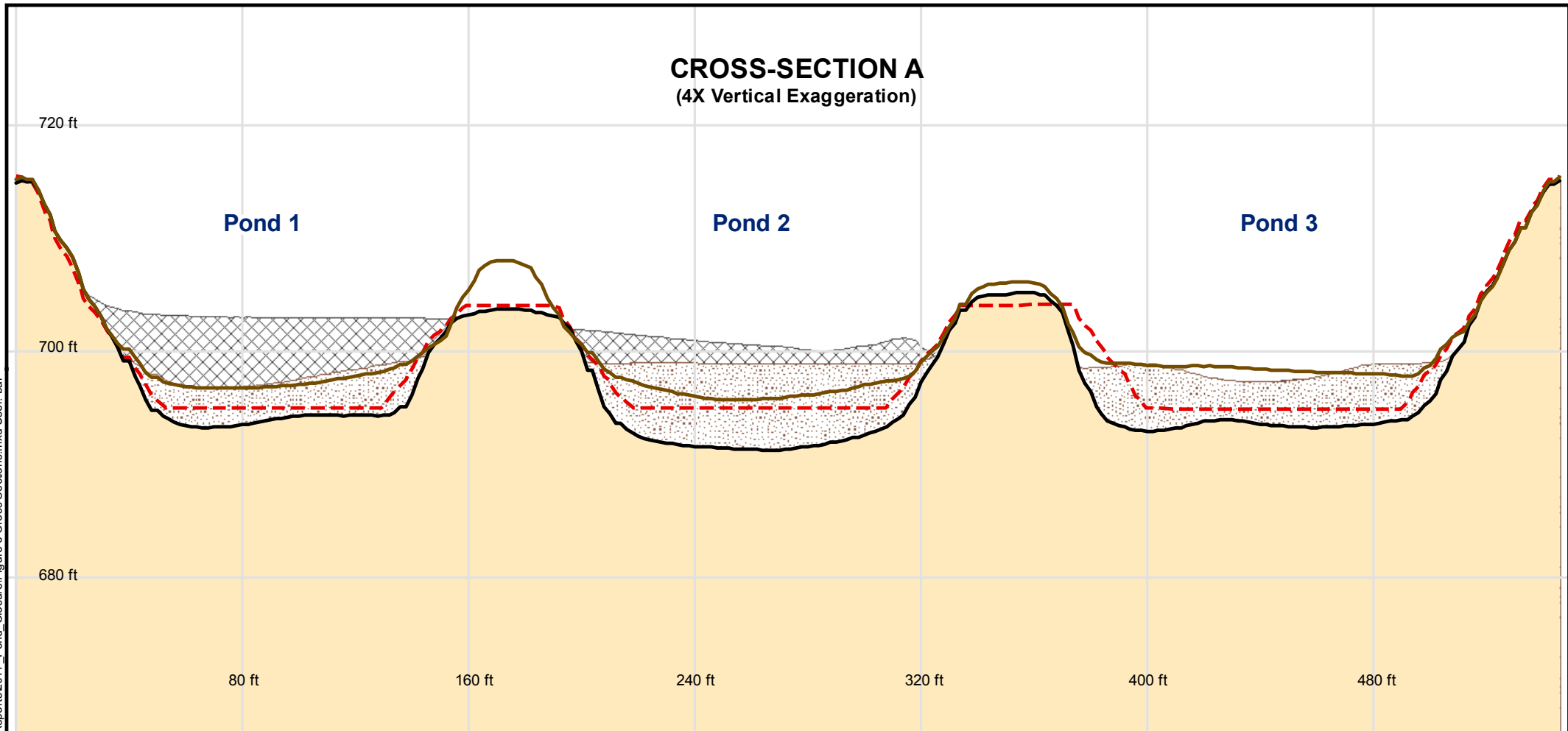
**POND FILL
CONDITION**

**Black Dog Generating Plant
Xcel Energy
Burnsville, Minnesota**

Revision Date: 01/23/2017

Data Sources:
Current Site Features: AeroMetric 2010
VIC Site Boundary and Pre-Dredge
Elevation contours: Barr Engineering Company

Barr Footer: ArcGIS 10.4.1, 2017-01-23 11:56 File: I:\Client\Xcel_Energy\Black_Dog_Plant\Work_Orders\Black_Dog_RAP_Implementation\Maps\Reports\2017_Pond_Closure\Figure 6 Cross Sections.mxd User: bal



Appendices

Appendix A

Aerial Photo Log



07/18/16 - Photo A-1: (Prior to dredging)



09/27/16 - Photo A-2: (Pond 3 dewatered prior to start of dredging)



11/15/16 - Photo A-3: (Dredging in process)



01/18/17 - Photo A-4: (Dredging completed)

Appendix B

Pond 1 Photo Log



10/06/16 - Photo 1-1: (looking west)



11/07/16 - Photo 1-2: (looking west)



11/10/16 - Photo 1-3: (looking west)



11/14/16 - Photo 1-4: (looking west)



11/15/16 - Photo 1-5: (looking southeast)



11/16/16 - Photo 1-6: (looking southeast)



11/21/16 - Photo 1-7: (looking east)



11/23/16 - Photo 1-8: (looking east)



11/30/16 - Photo 1-9: (looking east)



12/09/16 - Photo 1-10: (looking northwest)



12/20/16 - Photo 1-11: (looking west)



12/23/16 - Photo 1-12: (looking west)



12/28/16 - Photo 1-13: (looking west)



01/04/17 - Photo 1-14: (looking east)

Appendix C

Pond 2 Photo Log



10/06/16 - Photo 2-1: (looking west)



10/27/16 - Photo 2-2: (looking east)



10/28/16 - Photo 2-3: (looking east)



10/31/16 - Photo 2-4: (looking east)



11/01/16 - Photo 2-5: (looking northeast)



11/02/16 - Photo 2-6: (looking southeast)



11/07/16 - Photo 2-7: (looking west)



11/09/16 - Photo 2-8: (looking southeast)



11/10/16 - Photo 2-9: (looking west)



11/14/16 - Photo 2-10: (looking west)



11/16/16 - Photo 2-11: (looking west)



12/01/16 - Photo 2-12: (looking northwest)



12/02/16 - Photo 2-13: (looking northwest)



12/05/16 - Photo 2-14: (looking northwest)



12/07/16 - Photo 2-15: (looking west)



12/09/16 - Photo 2-16: (looking west)



12/20/16 - Photo 2-17: (looking west)



12/21/16 - Photo 2-18: (looking west)



12/28/16 - Photo 2-19: (looking west)



01/04/17 - Photo 2-20: (looking east)

Appendix D

Pond 3 Photo Log



10/05/16 - Photo 3-1: (looking west)



10/06/16 - Photo 3-2: (looking east)



10/10/16 - Photo 3-3: (looking east)



10/12/16 - Photo 3-4: (looking east)



10/13/16 - Photo 3-5: (looking southeast)



10/17/16 - Photo 3-6: (looking southeast)



10/19/16 - Photo 3-7: (looking east)



10/20/16 - Photo 3-8: (looking northeast)



10/25/16 - Photo 3-9: (looking northeast)



10/27/16 - Photo 3-10: (looking northwest)



10/31/16 - Photo 3-11: (looking west)



11/29/16 - Photo 3-12: (looking west)



11/30/16 - Photo 3-13: (looking west)



12/01/16 - Photo 3-14: (looking west)



12/20/16 - Photo 3-15: (looking west)



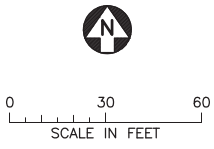
12/23/16 - Photo 3-16: (looking west)



01/04/17 - Photo 3-18: (looking east)

Appendix E

Post-Dredge Survey Verification Table



POND 1

POND 2

POND 3

1 PLAN: PONDS 1-3 POST DREDGE SURVEY

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINTED NAME: XCEL ENERGY - BURNSVILLE, MINNESOTA

SIGNATURE: _____

DATE: _____ LICENSE # _____

CLIENT	BID	CONSTRUCTION
RELEASED TO/FOR	A	B
DATE RELEASED	C	0
	1	2
	3	



Project Office:
BARR ENGINEERING CO.
4300 MARKETPOINTE DRIVE
Suite 200
MINNEAPOLIS, MN 55435

Corporate Headquarters:
Minneapolis, Minnesota
Ph: 1-800-632-2277

Scale	AS SHOWN
Date	2/6/2016
Drawn	ATS
Checked	JUG2
Designed	ATS
Approved	JUG2

XCEL ENERGY
BURNSVILLE, MINNESOTA

BLACK DOG GENERATING PLANT
BURNSVILLE, MINNESOTA

FIGURE 7 - PONDS 1-3
POST DREDGE SURVEY POINTS

BARR PROJECT No.	23191085.17
CLIENT PROJECT No.	
DWG. No.	FIG 7
REV. No.	A

Table E-1

Pond 1
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation⁽¹⁾	Pre-Dredge Elevation⁽²⁾	Post-Dredge Elevation⁽³⁾	Over Dredge⁽⁴⁾
37558	225194.7302	518320.7253	701.9	701.8	701.8	0.1
37816	225198.8212	518317.8614	704.1	704.1	704.1	0.0
37818	225187.4368	518301.4957	704.4	704.4	704.4	0.0
46002	225101.1651	518361.8396	696.8	697.6	694.5	2.3
46003	225105.5242	518358.6612	696.9	697.6	694.3	2.5
46004	225109.6352	518355.9925	696.8	696.9	694.2	2.6
46005	225113.7259	518353.0976	696.9	696.3	694.1	2.7
46006	225117.8635	518350.2787	696.8	696.4	694.1	2.7
46007	225121.8891	518347.3989	696.9	697.3	694.2	2.6
46008	225126.0284	518344.4483	696.9	697.7	694.2	2.7
46009	225130.1021	518341.6932	696.9	697.9	694.4	2.5
46010	225134.1486	518338.7161	696.9	697.6	694.2	2.7
46011	225138.3023	518335.8803	696.9	697.6	693.8	3.1
46012	225142.2396	518333.0184	696.9	697.7	694.1	2.8
46013	225146.4160	518330.2503	696.9	698.2	694.2	2.6
46014	225150.5746	518327.3954	696.9	697.9	694.2	2.6
46015	225154.6096	518324.4558	696.9	697.5	694.3	2.7
46016	225158.8474	518321.6159	696.9	696.8	694.5	2.4
46017	225162.8274	518318.8635	696.9	696.6	694.6	2.3
46018	225166.9669	518315.9781	696.9	696.8	694.7	2.2
46019	225182.2512	518329.5282	696.8	699.9	694.5	2.3
46020	225178.2980	518332.3009	695.2	699.8	694.2	0.9
46021	225174.1921	518335.0828	695.0	699.6	694.1	0.9
46022	225170.1938	518338.0169	695.0	699.7	694.2	0.8
46023	225166.0767	518340.9471	695.0	699.8	694.1	0.9
46024	225162.0104	518343.7688	695.0	699.9	694.1	0.9
46025	225157.8687	518346.5584	695.0	700.2	694.1	0.9
46026	225153.8144	518349.5144	695.0	700.4	694.1	0.9
46027	225149.7390	518352.2970	695.0	700.6	694.1	0.9
46028	225145.6596	518355.2341	695.0	700.6	694.0	1.0
46029	225141.4920	518357.9856	695.0	699.5	694.2	0.8
46030	225137.4402	518360.8680	695.0	697.6	694.2	0.8
46031	225133.3277	518363.7730	695.0	696.7	694.2	0.8
46032	225129.2130	518366.7210	695.0	696.9	694.2	0.8
46033	225125.1540	518369.4266	695.0	697.5	694.2	0.8
46034	225120.9822	518372.4011	695.0	695.5	694.3	0.7
46035	225116.9602	518375.2536	695.0	695.5	694.2	0.8
46036	225112.8294	518378.0959	696.2	695.8	694.2	2.0
46037	225124.3280	518394.5999	696.2	696.2	694.0	2.2
46038	225128.3687	518391.6657	695.0	696.3	694.3	0.7
46039	225132.5961	518388.6975	695.0	697.2	694.3	0.7
46040	225136.6735	518385.7257	695.0	699.8	694.0	1.0
46041	225140.6474	518383.0447	695.0	700.1	694.0	1.0
46042	225144.8409	518380.1504	695.0	699.9	694.0	1.0

Table E-1

Pond 1
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
46043	225148.9293	518377.2279	695.0	699.3	694.1	0.9
46044	225152.9629	518374.4291	695.0	699.1	694.0	1.0
46045	225157.0273	518371.5956	695.0	698.8	694.3	0.7
46046	225161.1327	518368.7028	695.0	698.8	694.0	1.0
46047	225165.2605	518365.7879	695.0	698.8	694.0	1.0
46048	225169.3602	518362.9529	695.0	698.9	694.1	0.9
46049	225173.4076	518360.0240	695.0	699.0	694.1	0.9
46050	225177.5847	518357.1770	695.0	699.1	694.1	0.9
46051	225181.6872	518354.2927	695.0	699.2	694.2	0.8
46052	225185.7909	518351.4801	695.0	699.4	694.1	0.9
46053	225189.8978	518348.5523	695.3	699.5	694.1	1.1
46054	225193.9355	518345.7381	696.9	699.6	694.7	2.2
46055	225205.3740	518362.1146	696.9	699.0	694.2	2.7
46056	225201.2536	518365.0466	695.2	698.8	694.2	1.1
46057	225197.2157	518367.8641	695.0	698.4	694.2	0.8
46058	225193.1412	518370.7806	695.0	698.3	694.2	0.8
46059	225189.0831	518373.5679	695.0	698.2	694.2	0.8
46060	225184.9256	518376.5624	695.0	698.3	694.1	0.9
46061	225180.7636	518379.3699	695.0	698.2	694.0	1.0
46062	225176.6564	518382.1796	695.0	698.2	693.8	1.2
46063	225172.6580	518385.1090	695.0	698.1	694.1	0.9
46064	225168.5187	518387.9278	695.0	698.1	694.1	0.9
46065	225164.4148	518390.8151	695.0	698.1	694.3	0.7
46066	225160.3194	518393.6982	695.0	698.2	694.2	0.8
46067	225156.2590	518396.5931	695.0	698.2	694.2	0.8
46068	225152.2205	518399.4368	695.0	698.4	694.1	0.9
46069	225148.0870	518402.3570	695.0	698.9	694.0	1.0
46070	225144.0140	518405.1262	695.0	698.9	694.0	1.0
46071	225139.8979	518407.9821	695.0	698.5	694.0	1.0
46072	225135.7445	518410.8573	696.1	698.3	694.1	2.0
46073	225131.7268	518413.8197	697.8	698.8	694.3	3.5
46074	225143.1657	518430.2114	697.7	698.6	694.0	3.7
46075	225147.2397	518427.2641	696.0	698.4	694.0	2.0
46076	225151.3161	518424.3875	695.0	698.2	694.1	0.9
46077	225155.4939	518421.5627	695.0	698.2	694.0	1.0
46078	225159.6357	518418.6362	695.0	698.5	694.0	1.0
46079	225163.5409	518415.8047	695.0	697.8	694.2	0.8
46080	225167.7258	518412.8452	695.0	697.9	694.3	0.7
46081	225171.8255	518410.0257	695.0	697.8	694.0	1.0
46082	225175.8906	518407.1234	695.0	697.9	694.0	1.0
46083	225180.0144	518404.2353	695.0	697.8	694.2	0.8
46084	225184.1168	518401.3944	695.0	697.8	694.0	1.0
46085	225188.2683	518398.4730	695.0	697.8	694.0	1.0
46086	225192.3696	518395.7050	695.0	697.9	693.7	1.3

Table E-1

Pond 1
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation⁽¹⁾	Pre-Dredge Elevation⁽²⁾	Post-Dredge Elevation⁽³⁾	Over Dredge⁽⁴⁾
46087	225196.3932	518392.8655	695.0	697.9	693.5	1.5
46088	225200.5330	518389.9348	695.0	697.9	693.8	1.2
46089	225204.6402	518387.1182	695.0	697.9	693.8	1.2
46090	225208.6702	518384.1987	695.0	698.0	693.9	1.1
46091	225212.8304	518381.4335	695.3	698.2	694.1	1.2
46092	225216.9214	518378.4859	697.0	698.5	695.0	2.0
46093	225224.1939	518397.8612	695.3	698.2	694.5	0.8
46094	225220.1495	518400.6808	695.0	698.0	694.5	0.5
46095	225215.9947	518403.4977	695.0	697.9	694.4	0.6
46096	225211.9363	518406.4187	695.0	697.7	694.4	0.6
46097	225207.9017	518409.2679	695.0	697.6	694.4	0.6
46098	225203.7478	518412.1757	695.0	697.7	694.1	0.9
46099	225199.7774	518415.0570	695.0	697.8	694.1	0.9
46100	225195.5559	518417.9323	695.0	697.8	694.0	1.0
46101	225191.4821	518420.7058	695.0	697.8	693.7	1.3
46102	225187.3804	518423.5426	695.0	697.8	694.2	0.8
46103	225183.2494	518426.4487	695.0	697.8	693.8	1.2
46104	225179.1508	518429.3477	695.0	697.9	694.0	1.0
46105	225175.1152	518432.1822	695.0	697.8	694.2	0.8
46106	225170.9757	518434.9720	695.0	698.0	694.2	0.8
46107	225166.9342	518437.9561	695.0	697.9	694.1	0.9
46108	225162.7794	518440.7887	695.0	698.0	694.0	1.0
46109	225158.7554	518443.7109	695.9	698.2	694.0	2.0
46110	225154.5681	518446.5684	697.6	698.3	694.3	3.4
46111	225166.1293	518462.9090	697.5	698.2	694.4	3.2
46112	225170.1747	518460.0629	695.9	698.2	694.3	1.6
46113	225174.2446	518457.1348	695.0	697.9	694.4	0.6
46114	225178.4592	518454.3604	695.0	697.8	693.9	1.1
46115	225182.5537	518451.4753	695.0	697.8	693.7	1.3
46116	225186.5499	518448.5182	695.0	697.8	693.9	1.1
46117	225190.6234	518445.6077	695.0	697.7	694.0	1.0
46118	225194.7772	518442.8264	695.0	697.7	693.8	1.2
46119	225198.8270	518439.8681	695.0	697.7	693.9	1.1
46120	225203.0567	518437.0992	695.0	697.7	694.0	1.0
46121	225207.0413	518434.1558	695.0	697.7	693.8	1.2
46122	225211.1574	518431.2549	695.0	697.7	694.0	1.0
46123	225215.2344	518428.3834	695.0	697.6	693.6	1.4
46124	225219.3697	518425.6102	695.0	697.8	694.0	1.0
46125	225223.5205	518422.7825	695.0	697.8	694.1	0.9
46126	225227.5361	518419.8076	695.0	697.9	694.1	0.9
46127	225231.6584	518417.0228	695.0	698.1	694.1	0.9
46128	225235.6918	518414.1806	695.3	698.2	693.9	1.4
46129	225247.2600	518430.5901	695.4	698.0	694.6	0.8
46130	225243.1285	518433.4675	695.0	697.8	694.3	0.7

Table E-1

Pond 1
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation⁽¹⁾	Pre-Dredge Elevation⁽²⁾	Post-Dredge Elevation⁽³⁾	Over Dredge⁽⁴⁾
46131	225239.0014	518436.2874	695.0	697.7	694.2	0.8
46132	225234.9152	518439.1465	695.0	697.7	694.1	0.9
46133	225230.7779	518442.0533	695.0	697.6	694.1	0.9
46134	225226.7481	518444.8889	695.0	697.5	693.9	1.1
46135	225222.6274	518447.7608	695.0	697.5	694.1	0.9
46136	225218.5539	518450.6466	695.0	697.6	694.2	0.8
46137	225214.3894	518453.5486	695.0	697.6	694.4	0.6
46138	225210.3677	518456.3738	695.0	697.5	694.4	0.6
46139	225206.1513	518459.1600	695.0	697.6	694.3	0.7
46140	225202.1171	518462.0654	695.0	697.6	694.4	0.6
46141	225198.0554	518464.9569	695.0	697.6	694.4	0.6
46142	225194.0849	518467.7468	695.0	697.7	694.7	0.3
46143	225189.9017	518470.6660	695.0	697.8	694.6	0.4
46144	225185.7063	518473.5074	695.0	698.0	694.3	0.7
46145	225181.6779	518476.3755	695.8	698.2	694.3	1.5
46146	225177.6563	518479.2992	697.4	698.5	694.7	2.8
46147	225189.0315	518495.5915	697.4	698.8	694.4	2.9
46148	225193.1221	518492.7500	695.7	698.3	694.3	1.4
46149	225197.2736	518489.9490	695.0	698.1	694.2	0.8
46150	225201.3046	518487.0115	695.0	697.9	694.3	0.7
46151	225205.4373	518484.2125	695.0	697.8	694.6	0.4
46152	225209.5226	518481.2923	695.0	697.8	694.4	0.6
46153	225213.6171	518478.5117	695.0	697.6	694.4	0.6
46154	225217.7141	518475.6315	695.0	697.5	694.5	0.5
46155	225221.7531	518472.8266	695.0	697.5	694.8	0.2
46156	225225.9070	518469.8323	695.0	697.6	694.5	0.5
46157	225230.0100	518466.9909	695.0	697.6	694.6	0.4
46158	225234.0912	518464.1268	695.0	697.5	694.4	0.6
46159	225238.1931	518461.2249	695.0	697.5	694.6	0.4
46160	225242.2809	518458.4654	695.0	697.4	694.5	0.5
46161	225246.3967	518455.5677	695.0	697.5	694.4	0.6
46162	225250.4305	518452.5800	695.0	697.5	694.5	0.5
46163	225254.6441	518449.8295	695.0	697.7	694.5	0.5
46164	225258.7281	518446.9033	695.4	697.7	694.6	0.9
46165	225270.1646	518463.3180	695.5	697.6	694.3	1.2
46166	225266.0821	518466.2056	695.0	697.5	694.2	0.8
46167	225261.9825	518469.0698	695.0	697.4	694.4	0.6
46168	225257.9304	518471.9818	695.0	697.3	694.3	0.7
46169	225253.7604	518474.8085	695.0	697.2	694.4	0.6
46170	225249.6664	518477.6783	695.0	697.1	694.2	0.8
46171	225245.5680	518480.5222	695.0	697.4	694.3	0.7
46172	225241.4489	518483.4319	695.0	697.3	694.2	0.8
46173	225237.3991	518486.2879	695.0	697.4	694.3	0.7
46174	225233.3138	518489.1256	695.0	697.2	694.3	0.7

Table E-1

Pond 1
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation⁽¹⁾	Pre-Dredge Elevation⁽²⁾	Post-Dredge Elevation⁽³⁾	Over Dredge⁽⁴⁾
46175	225229.1932	518492.0410	695.0	697.3	694.2	0.8
46176	225225.1276	518494.8544	695.0	697.6	694.3	0.7
46177	225221.0788	518497.7255	695.0	697.5	694.3	0.7
46178	225216.9037	518500.6720	695.0	697.7	694.3	0.7
46179	225212.8771	518503.3252	695.0	697.9	694.3	0.7
46180	225208.7069	518506.3621	695.0	697.9	694.3	0.7
46181	225204.5148	518509.1450	695.7	698.2	694.4	1.3
46182	225200.4904	518512.0990	697.3	698.6	694.5	2.8
46183	225208.0147	518531.2891	698.9	699.3	694.4	4.5
46184	225212.0502	518528.4886	697.2	698.4	694.1	3.1
46185	225216.0640	518525.5213	695.6	697.9	694.2	1.3
46186	225220.1146	518522.6100	695.0	697.9	694.3	0.7
46187	225224.2626	518519.8547	695.0	697.7	694.1	0.9
46188	225228.4554	518516.9916	695.0	697.5	693.9	1.1
46189	225232.4422	518514.0564	695.0	697.4	694.0	1.0
46190	225236.5403	518511.2075	695.0	697.4	694.0	1.0
46191	225240.7527	518508.1134	695.0	697.4	693.8	1.2
46192	225244.7547	518505.5027	695.0	697.2	694.4	0.6
46193	225248.8145	518502.6348	695.0	697.1	694.1	0.9
46194	225252.8941	518499.7183	695.0	697.2	694.0	1.0
46195	225256.9787	518496.8310	695.0	697.1	694.4	0.6
46196	225261.1175	518494.0104	695.0	697.2	694.4	0.6
46197	225265.1782	518491.2822	695.0	697.3	694.3	0.7
46198	225269.3225	518488.2998	695.0	697.2	694.2	0.8
46199	225273.3283	518485.4201	695.0	697.4	694.3	0.7
46200	225277.4461	518482.4955	695.0	697.5	694.2	0.8
46201	225281.6098	518479.5866	695.5	697.5	694.3	1.2
46202	225297.1411	518493.1466	697.2	697.5	695.0	2.2
46203	225293.0177	518496.0983	695.5	697.3	694.0	1.5
46204	225289.0494	518498.9629	695.0	697.3	694.1	0.9
46205	225284.9626	518501.8750	695.0	697.2	694.0	1.0
46206	225280.7576	518504.7362	695.0	697.0	693.9	1.1
46207	225276.6293	518507.6437	695.0	696.9	694.0	1.0
46208	225272.7803	518510.6708	695.0	696.9	694.0	1.0
46209	225268.3103	518513.4523	695.0	697.0	694.3	0.7
46210	225264.3168	518516.2319	695.0	697.1	694.3	0.7
46211	225260.1765	518519.0453	695.0	697.0	694.1	0.9
46212	225256.1620	518521.9384	695.0	697.1	693.9	1.1
46213	225252.0172	518524.7659	695.0	697.2	694.0	1.0
46214	225247.9712	518527.7069	695.0	697.3	693.8	1.2
46215	225243.9459	518530.5489	695.0	697.4	693.9	1.1
46216	225239.7952	518533.3567	695.0	697.5	694.0	1.0
46217	225235.6857	518536.2015	695.0	697.6	694.0	1.0
46218	225231.5183	518539.2921	695.0	697.7	694.0	1.0

Table E-1

Pond 1
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
46219	225227.5529	518542.0626	695.5	697.9	694.1	1.4
46220	225223.4692	518544.8615	697.2	698.4	694.7	2.5
46221	225234.9271	518561.1237	697.1	698.4	694.4	2.6
46222	225239.0783	518558.3175	695.4	697.7	694.1	1.3
46223	225243.1745	518555.4720	695.0	697.6	694.0	1.0
46224	225247.1355	518552.6428	695.0	697.5	693.7	1.3
46225	225251.3313	518549.6530	695.0	697.4	694.3	0.7
46226	225255.3630	518546.9285	695.0	697.3	694.1	0.9
46227	225259.4387	518544.0326	695.0	697.2	694.0	1.0
46228	225263.6485	518541.1251	695.0	697.1	694.2	0.8
46229	225267.7490	518538.3049	695.0	697.0	694.0	1.0
46230	225271.7811	518535.3246	695.0	696.9	693.9	1.1
46231	225275.8962	518532.4925	695.0	696.8	694.1	0.9
46232	225279.9453	518529.6826	695.0	696.9	694.0	1.0
46233	225284.1116	518526.7916	695.0	696.8	694.0	1.0
46234	225288.2413	518523.7968	695.0	696.8	694.2	0.8
46235	225292.3095	518521.0671	695.0	696.9	694.2	0.8
46236	225296.3019	518518.2031	695.0	696.8	694.2	0.8
46237	225300.4508	518515.3294	695.0	697.0	694.2	0.8
46238	225304.5522	518512.3641	695.6	697.1	694.0	1.6
46239	225308.6999	518509.5793	697.2	697.0	695.0	2.2
46240	225316.0808	518528.8234	695.6	697.2	694.0	1.6
46241	225311.9581	518531.7593	695.0	697.0	694.0	1.0
46242	225307.7785	518534.6643	695.0	696.9	694.3	0.7
46243	225303.7075	518537.5637	695.0	696.8	694.3	0.7
46244	225299.6703	518540.3238	695.0	696.6	694.0	1.0
46245	225295.5346	518543.2585	695.0	696.9	694.1	0.9
46246	225291.4414	518546.1147	695.0	696.7	694.1	0.9
46247	225287.3870	518548.9094	695.0	696.9	694.1	0.9
46248	225283.2824	518551.8559	695.0	696.8	694.3	0.7
46249	225279.1754	518554.6570	695.0	697.0	694.1	0.9
46250	225275.0674	518557.4643	695.0	696.9	694.0	1.0
46251	225270.9952	518560.3113	695.0	697.0	694.0	1.0
46252	225266.8682	518563.3178	695.0	697.3	694.0	1.0
46253	225262.7318	518566.1133	695.0	697.4	694.0	1.0
46254	225258.6331	518568.9869	695.0	697.5	694.3	0.7
46255	225254.6449	518571.7912	695.0	697.5	694.3	0.7
46256	225250.4769	518574.7787	695.4	697.9	694.4	1.0
46257	225246.3984	518577.6435	697.0	698.2	694.3	2.7
46258	225242.3290	518580.3970	698.7	699.1	694.4	4.3
46259	225257.9659	518594.0326	696.9	698.1	694.3	2.7
46260	225261.9983	518591.0438	695.3	697.7	694.0	1.2
46261	225266.0499	518588.1479	695.0	697.6	693.9	1.1
46262	225270.0974	518585.3394	695.0	697.5	694.2	0.8

Table E-1

Pond 1
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
46263	225274.1965	518582.4288	695.0	697.3	694.4	0.6
46264	225278.3774	518579.5764	695.0	697.1	694.3	0.7
46265	225282.4022	518576.7067	695.0	697.1	694.3	0.7
46266	225286.5811	518573.9143	695.0	697.0	694.3	0.7
46267	225290.6181	518571.0493	695.0	696.8	694.4	0.6
46268	225294.6781	518568.0716	695.0	697.0	694.0	1.0
46269	225298.7984	518565.2031	695.0	696.8	694.0	1.0
46270	225302.9299	518562.4652	695.0	696.7	693.7	1.3
46271	225306.9471	518559.5798	695.0	696.7	694.0	1.0
46272	225311.0313	518556.7245	695.0	696.7	693.9	1.1
46273	225315.1759	518553.7644	695.0	696.8	694.0	1.0
46274	225319.3093	518550.9654	695.0	696.8	693.9	1.1
46275	225323.3780	518548.1035	695.0	697.0	693.9	1.1
46276	225327.4682	518545.1929	695.6	697.1	694.4	1.2
46277	225338.9336	518561.5826	695.6	697.1	694.0	1.6
46278	225334.8635	518564.5205	695.0	697.0	694.2	0.8
46279	225330.7793	518567.3775	695.0	697.0	694.2	0.8
46280	225326.6825	518570.1927	695.0	696.8	694.1	0.9
46281	225322.5339	518573.0001	695.0	696.8	694.1	0.9
46282	225318.4741	518575.9901	695.0	696.7	694.0	1.0
46283	225314.4237	518578.8280	695.0	696.7	694.0	1.0
46284	225310.3260	518581.6721	695.0	696.7	694.1	0.9
46285	225306.2070	518584.6090	695.0	696.7	694.1	0.9
46286	225302.0461	518587.4618	695.0	696.9	694.1	0.9
46287	225298.0056	518590.2703	695.0	697.0	694.3	0.7
46288	225293.8599	518593.1482	695.0	697.0	694.3	0.7
46289	225289.8547	518596.0615	695.0	697.2	694.4	0.6
46290	225285.6557	518598.8812	695.0	697.2	694.3	0.7
46291	225281.6500	518601.8205	695.0	697.3	694.3	0.7
46292	225277.5651	518604.5993	695.0	697.3	694.3	0.7
46293	225273.4159	518607.6710	695.2	697.5	694.1	1.2
46294	225269.3296	518610.3879	696.9	698.0	694.1	2.7
46295	225280.8363	518626.7629	696.8	697.9	694.0	2.8
46296	225284.8088	518623.8686	695.1	697.6	694.1	1.1
46297	225289.0517	518621.0187	695.0	697.5	694.3	0.7
46298	225293.1447	518618.1288	695.0	697.3	694.3	0.7
46299	225297.1644	518615.2922	695.0	697.1	694.3	0.7
46300	225301.2317	518612.3175	695.0	697.1	694.0	1.0
46301	225305.3326	518609.5039	695.0	696.9	694.0	1.0
46302	225309.5371	518606.6941	695.0	696.9	694.1	0.9
46303	225313.5863	518603.8105	695.0	696.8	694.2	0.8
46304	225317.5996	518601.0438	695.0	696.8	694.0	1.0
46305	225321.7220	518598.0280	695.0	696.7	693.9	1.1
46306	225325.8875	518595.1473	695.0	696.6	694.0	1.0

Table E-1

Pond 1
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
46307	225329.9964	518592.4006	695.0	696.5	694.0	1.0
46308	225333.9195	518589.4325	695.0	696.7	693.9	1.1
46309	225338.1142	518586.6432	695.0	696.8	693.9	1.1
46310	225342.2347	518583.7948	695.0	696.8	694.0	1.0
46311	225346.3254	518580.8262	695.0	697.1	694.1	0.9
46312	225350.4887	518577.9105	695.7	697.3	694.3	1.4
46313	225361.8839	518594.3386	695.7	697.3	694.4	1.3
46314	225357.7638	518597.2345	695.0	697.1	694.3	0.7
46315	225353.7206	518600.1481	695.0	697.0	694.1	0.9
46316	225349.5581	518603.0265	695.0	696.9	694.2	0.8
46317	225345.5364	518605.8963	695.0	696.7	694.3	0.7
46318	225341.3815	518608.8018	695.0	696.6	694.3	0.7
46319	225337.3519	518611.5818	695.0	696.6	694.4	0.6
46320	225333.2141	518614.3931	695.0	696.5	694.5	0.5
46321	225329.1766	518617.3877	695.0	696.8	694.3	0.7
46322	225325.0572	518620.2201	695.0	696.7	694.3	0.7
46323	225320.8789	518623.1378	695.0	696.8	694.0	1.0
46324	225316.8593	518625.9506	695.0	696.8	694.1	0.9
46325	225312.6801	518628.7728	695.0	697.0	694.1	0.9
46326	225308.6622	518631.6714	695.0	697.1	694.2	0.8
46327	225304.6301	518634.6144	695.0	697.3	694.3	0.7
46328	225300.4757	518637.3410	695.0	697.5	694.0	1.0
46329	225296.3963	518640.2221	695.0	697.7	694.0	1.1
46330	225292.2298	518643.1822	696.7	698.0	694.2	2.6
46331	225303.7697	518659.5572	696.6	698.2	694.1	2.5
46332	225307.8727	518656.6879	695.0	697.8	694.0	1.0
46333	225311.9651	518653.7199	695.0	697.5	694.0	1.0
46334	225315.9506	518650.8435	695.0	697.2	693.9	1.1
46335	225320.1798	518647.9530	695.0	697.0	693.9	1.1
46336	225324.2676	518645.1660	695.0	697.0	693.9	1.1
46337	225328.3442	518642.2826	695.0	696.9	693.7	1.3
46338	225332.3645	518639.5196	695.0	696.8	694.1	0.9
46339	225336.5418	518636.6350	695.0	696.7	694.1	0.9
46340	225340.6552	518633.7212	695.0	696.8	694.0	1.0
46341	225344.7578	518630.8519	695.0	696.6	694.0	1.0
46342	225348.7094	518627.9590	695.0	696.6	694.4	0.6
46343	225352.8683	518625.1496	695.0	696.6	694.0	1.0
46344	225357.0274	518622.2014	695.0	696.8	694.2	0.8
46345	225360.9003	518619.2768	695.0	696.9	694.4	0.6
46346	225365.1538	518616.4644	695.0	697.0	694.4	0.6
46347	225369.2638	518613.5938	695.0	697.2	694.4	0.6
46348	225373.2963	518610.8109	695.7	697.5	694.5	1.2
46349	225384.9020	518627.1464	695.8	697.0	694.4	1.4
46350	225380.7237	518630.1298	695.0	696.9	694.1	0.9

Table E-1

Pond 1
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
46351	225376.7115	518632.9404	695.0	696.7	694.4	0.6
46352	225372.5764	518635.8153	695.0	696.7	694.2	0.8
46353	225368.4669	518638.6705	695.0	696.6	694.2	0.8
46354	225364.3797	518641.4676	695.0	696.6	694.1	0.9
46355	225360.2331	518644.3452	695.0	696.6	694.2	0.8
46356	225356.1163	518647.1960	695.0	696.6	694.1	0.9
46357	225352.0349	518650.0868	695.0	696.7	694.3	0.7
46358	225347.9723	518652.9378	695.0	696.7	694.1	0.9
46359	225343.9006	518655.8784	695.0	696.8	694.2	0.8
46360	225339.7886	518658.6862	695.0	696.8	694.1	0.9
46361	225335.6267	518661.6005	695.0	696.9	694.0	1.0
46362	225331.6529	518664.4161	695.0	697.0	694.1	0.9
46363	225327.5441	518667.3044	695.0	697.3	694.1	0.9
46364	225323.3918	518670.1900	695.0	697.3	694.2	0.8
46365	225319.2640	518673.1365	695.0	697.5	694.0	1.0
46366	225315.1606	518675.8687	696.6	698.0	694.5	2.1
46367	225326.7342	518692.3021	696.5	697.8	694.3	2.1
46368	225330.7038	518689.4424	695.0	697.5	694.3	0.7
46369	225334.9250	518686.5290	695.0	697.2	694.3	0.7
46370	225338.9571	518683.5934	695.0	697.1	693.9	1.1
46371	225343.1102	518680.7759	695.0	697.0	694.1	0.9
46372	225347.2011	518677.9600	695.0	696.8	694.0	1.0
46373	225351.3073	518675.0690	695.0	696.7	694.3	0.7
46374	225355.2671	518672.1849	695.0	696.7	694.3	0.7
46375	225359.4504	518669.4433	695.0	696.6	694.3	0.7
46376	225363.5870	518666.4193	695.0	696.6	694.2	0.8
46377	225367.5518	518663.5938	695.0	696.6	694.2	0.8
46378	225371.7270	518660.7455	695.0	696.4	694.3	0.7
46379	225375.8211	518657.9644	695.0	696.3	694.3	0.7
46380	225379.9917	518654.9453	695.0	696.4	694.4	0.6
46381	225383.9805	518652.1934	695.0	696.6	694.0	1.0
46382	225388.0378	518649.2459	695.0	696.8	693.9	1.1
46383	225392.2086	518646.4124	695.0	696.8	694.3	0.7
46384	225396.2873	518643.5367	695.8	697.1	693.9	1.8
46385	225407.6974	518659.8720	695.8	697.1	694.2	1.6
46386	225403.6574	518662.7257	695.0	697.0	694.4	0.6
46387	225399.5160	518665.7172	695.0	696.9	694.2	0.8
46388	225395.3697	518668.5351	695.0	696.7	694.2	0.8
46389	225391.3276	518671.3912	695.0	696.6	694.2	0.8
46390	225387.2892	518674.3211	695.0	696.5	694.1	0.9
46391	225383.1731	518677.1445	695.0	696.5	694.3	0.7
46392	225379.1262	518679.8874	695.0	696.4	694.2	0.8
46393	225374.8880	518682.8645	695.0	696.6	694.2	0.8
46394	225370.9496	518685.7559	695.0	696.6	694.2	0.8

Table E-1

**Pond 1
Survey Verification**

**Black Dog Generating Plant
Xcel Energy**

Point No.	Northing	Easting	Design Elevation⁽¹⁾	Pre-Dredge Elevation⁽²⁾	Post-Dredge Elevation⁽³⁾	Over Dredge⁽⁴⁾
46395	225366.7918	518688.6331	695.0	696.7	694.2	0.8
46396	225362.7392	518691.4963	695.0	696.8	694.1	0.9
46397	225358.6966	518694.3249	695.0	696.7	694.1	0.9
46398	225354.5433	518697.0371	695.0	696.9	693.9	1.1
46399	225350.4148	518700.0638	695.0	697.1	694.1	0.9
46400	225346.3156	518702.9461	695.0	697.2	694.3	0.7
46401	225342.2329	518705.8240	695.0	697.4	694.3	0.7
46402	225338.1083	518708.7764	696.5	697.6	694.5	2.0
46403	225349.6122	518725.0530	696.3	698.0	694.4	1.9
46404	225353.6409	518722.2276	695.0	697.5	694.4	0.6
46405	225357.7820	518719.3610	695.0	697.2	694.3	0.7
46406	225361.8030	518716.4463	695.0	697.0	694.1	0.9
46407	225365.9716	518713.6250	695.0	697.0	694.2	0.8
46408	225370.0593	518710.7488	695.0	696.8	693.9	1.1
46409	225374.1661	518707.8769	695.0	696.7	694.0	1.0
46410	225378.2355	518704.9821	695.0	696.6	694.0	1.0
46411	225382.3998	518702.0086	695.0	696.7	693.6	1.4
46412	225386.4876	518699.2648	695.0	696.6	694.2	0.8
46413	225390.5383	518696.2873	695.0	696.6	694.2	0.8
46414	225394.6732	518693.4482	695.0	696.6	694.3	0.7
46415	225398.8015	518690.5893	695.0	696.7	694.3	0.7
46416	225402.8068	518687.8177	695.0	696.8	694.3	0.7
46417	225406.9967	518684.9418	695.0	696.9	694.1	0.9
46418	225410.9641	518682.0877	695.0	697.0	694.3	0.7
46419	225415.1697	518679.0836	695.0	697.2	694.5	0.5
46420	225419.1460	518676.3440	695.8	697.6	694.4	1.4
46421	225430.7090	518692.7643	695.9	697.3	694.2	1.7
46422	225426.5118	518695.5280	695.0	697.3	694.3	0.7
46423	225422.5908	518698.4472	695.0	697.1	694.1	0.9
46424	225418.4127	518701.2275	695.0	696.9	694.2	0.8
46425	225413.7502	518703.3452	695.0	696.8	694.6	0.4
46426	225410.2144	518707.1012	695.0	696.7	694.4	0.6
46427	225406.0997	518709.9162	695.0	696.8	694.3	0.7
46428	225402.0090	518712.7865	695.0	696.7	694.2	0.8
46429	225397.9672	518715.7165	695.0	696.7	694.2	0.8
46430	225393.9248	518718.4565	695.0	696.8	694.1	0.9
46431	225389.6733	518721.4518	695.0	696.8	693.9	1.1
46432	225385.6680	518724.3270	695.0	696.9	693.9	1.1
46433	225381.5534	518727.1025	695.0	697.0	694.0	1.0
46434	225377.4980	518729.9477	695.0	697.0	694.2	0.8
46435	225373.3841	518732.8867	695.0	697.1	694.1	0.9
46436	225369.2644	518735.7599	695.0	697.3	693.9	1.1
46437	225365.1799	518738.6955	695.0	697.7	694.4	0.6
46438	225361.1564	518741.4312	696.3	698.0	694.3	2.0

Table E-1

Pond 1
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
46439	225372.5966	518757.7984	696.2	698.1	694.2	2.0
46440	225376.6777	518754.9504	695.0	697.7	694.0	1.0
46441	225380.7641	518752.1125	695.0	697.6	693.8	1.2
46442	225384.8238	518749.3083	695.0	697.3	693.8	1.2
46443	225388.8828	518746.2993	695.0	697.1	693.5	1.5
46446	225442.3118	518709.0547	695.9	697.2	694.3	1.7
46447	225438.0715	518711.9224	695.0	697.0	694.4	0.6
46448	225433.9924	518714.7907	695.0	697.0	694.4	0.6
46449	225429.8835	518717.6870	695.0	696.9	694.3	0.7
46450	225425.8348	518720.4578	695.0	696.8	694.5	0.5
46451	225421.7024	518723.4063	695.0	696.7	694.5	0.5
46452	225417.5869	518726.2114	695.0	696.8	694.3	0.7
46453	225413.4593	518729.1884	695.0	696.9	694.2	0.8
46454	225409.3779	518732.0716	695.0	696.8	694.3	0.7
46455	225405.1812	518734.8310	695.0	696.8	693.8	1.2
46456	225401.0818	518737.7894	695.0	696.9	693.8	1.2
46457	225397.7881	518740.1053	695.0	697.0	692.8	2.2
46458	225392.8956	518743.5859	695.0	697.0	693.6	1.4
46459	225383.9605	518774.2853	696.2	698.2	694.2	1.9
46460	225388.1047	518771.3598	695.0	697.8	694.2	0.8
46461	225392.2089	518768.6658	695.0	697.5	693.9	1.1
46462	225396.3042	518765.6039	695.0	697.3	693.8	1.2
46463	225400.4814	518762.6865	695.0	697.2	693.9	1.1
46464	225404.1247	518759.6922	695.0	697.2	693.6	1.4
46465	225408.6387	518757.0079	695.0	697.0	693.9	1.1
46466	225412.8528	518753.9748	695.0	697.1	694.3	0.7
46467	225420.8295	518748.3871	695.0	696.9	694.4	0.6
46468	225424.9801	518745.5487	695.0	696.9	694.4	0.6
46469	225428.9534	518742.6647	695.0	696.9	694.5	0.5
46470	225433.1613	518739.6614	695.0	696.9	694.5	0.5
46471	225437.1973	518736.8957	695.0	696.9	694.4	0.6
46472	225441.3810	518734.1171	695.0	696.9	694.4	0.6
46473	225445.4812	518731.1906	695.0	696.9	694.1	0.9
46474	225449.6067	518728.2414	695.0	697.2	694.2	0.8
46475	225453.6226	518725.4997	695.9	697.1	694.6	1.3
46476	225465.1478	518741.7996	696.0	697.2	694.2	1.7
46477	225460.9988	518744.7119	695.0	697.2	694.2	0.8
46478	225456.8919	518747.5181	695.0	697.0	694.2	0.8
46479	225452.7490	518750.3366	695.0	697.0	694.2	0.8
46480	225448.7632	518753.3082	695.0	697.0	694.3	0.7
46481	225444.6249	518756.1394	695.0	696.9	694.3	0.7
46482	225440.5543	518758.9485	695.0	696.9	694.4	0.6
46483	225436.3537	518761.8693	695.0	696.9	694.3	0.7
46484	225432.2962	518764.7820	695.0	697.1	694.3	0.7

Table E-1

Pond 1
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation⁽¹⁾	Pre-Dredge Elevation⁽²⁾	Post-Dredge Elevation⁽³⁾	Over Dredge⁽⁴⁾
46485	225428.2153	518767.6338	695.0	697.0	694.2	0.8
46486	225424.1110	518770.4163	695.0	697.1	694.2	0.8
46487	225419.8940	518773.3378	695.0	697.1	694.2	0.8
46488	225415.9079	518776.1715	695.0	697.3	694.1	0.9
46489	225411.7687	518779.0998	695.0	697.3	694.0	1.0
46490	225407.8225	518781.9253	695.0	697.5	693.9	1.1
46491	225403.6522	518784.7592	695.0	697.6	694.1	0.9
46492	225399.5650	518787.6891	695.0	697.8	694.0	1.0
46493	225395.4593	518790.6502	696.1	698.2	694.2	1.9
46494	225399.3184	518812.6046	699.1	699.4	692.7	6.5
46495	225402.8276	518809.9545	697.7	698.9	693.2	4.5
46496	225407.0446	518806.9912	696.0	698.2	694.3	1.7
46497	225411.0601	518804.1147	695.0	697.8	694.1	0.9
46498	225415.1014	518801.3091	695.0	697.6	694.2	0.8
46499	225419.2138	518798.4014	695.0	697.4	694.1	0.9
46500	225423.3275	518795.4635	695.0	697.3	694.1	0.9
46501	225427.4178	518792.6204	695.0	697.2	694.2	0.8
46502	225431.5287	518789.6959	695.0	697.2	694.2	0.8
46503	225435.6641	518786.8195	695.0	697.2	694.1	0.9
46504	225439.7711	518783.8452	695.0	697.2	694.1	0.9
46505	225443.7549	518781.1410	695.0	697.1	694.2	0.8
46506	225447.8826	518778.1862	695.0	696.9	694.1	0.9
46507	225452.0506	518775.3144	695.0	697.0	694.1	0.9
46508	225456.1161	518772.6749	695.0	697.1	694.2	0.8
46509	225460.2359	518769.6828	695.0	697.1	694.2	0.8
46510	225464.2944	518766.8218	695.0	697.1	694.1	0.9
46511	225468.2863	518764.0022	695.0	697.1	694.1	0.9
46512	225472.5101	518761.0580	695.0	697.2	694.1	0.9
46513	225476.5904	518758.3040	696.0	697.4	694.2	1.8
46514	225488.0681	518774.5689	696.0	697.4	694.4	1.7
46515	225483.9943	518777.3669	695.0	697.3	694.3	0.7
46516	225479.8615	518780.3402	695.0	697.2	694.3	0.7
46517	225475.7942	518783.1183	695.0	697.0	694.3	0.7
46518	225471.6569	518786.0542	695.0	697.1	694.2	0.8
46519	225467.6007	518788.8419	695.0	697.1	694.2	0.8
46520	225463.5327	518791.8011	695.0	697.1	694.2	0.8
46521	225459.4165	518794.6850	695.0	697.0	694.2	0.8
46522	225455.3419	518797.5112	695.0	697.0	694.0	1.0
46523	225451.1949	518800.5046	695.0	697.1	693.9	1.1
46524	225447.1144	518803.3902	695.0	697.0	693.8	1.2
46525	225442.7673	518806.4376	695.0	697.0	693.7	1.3
46526	225438.7781	518809.2837	695.0	697.1	693.8	1.2
46527	225434.7212	518811.7756	695.0	697.3	693.8	1.2
46528	225430.6300	518814.7245	695.0	697.4	694.0	1.0

Table E-1

Pond 1
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation⁽¹⁾	Pre-Dredge Elevation⁽²⁾	Post-Dredge Elevation⁽³⁾	Over Dredge⁽⁴⁾
46529	225426.6575	518817.5238	695.0	697.6	694.1	0.9
46530	225422.4904	518820.4060	695.0	697.7	694.2	0.8
46531	225418.4444	518823.3170	695.9	698.0	694.3	1.6
46532	225414.2542	518826.1352	697.6	698.6	694.3	3.3
46533	225410.4277	518829.0209	699.2	699.3	694.2	5.0
46534	225425.8477	518842.6027	697.5	698.7	694.6	2.9
46535	225429.7879	518839.7222	695.9	698.1	694.2	1.6
46536	225434.1044	518836.8206	695.0	697.7	694.1	0.9
46537	225438.1740	518833.9027	695.0	697.5	694.1	0.9
46538	225442.2026	518831.1284	695.0	697.3	694.0	1.0
46539	225446.2466	518828.3801	695.0	697.2	693.6	1.4
46540	225450.4761	518825.5606	695.0	697.0	693.4	1.6
46541	225454.5070	518822.6353	695.0	697.0	693.8	1.2
46542	225458.6382	518819.8295	695.0	696.9	693.7	1.3
46543	225462.8205	518816.8295	695.0	696.9	693.9	1.1
46544	225466.7360	518813.9911	695.0	696.9	693.8	1.2
46545	225470.8997	518811.1702	695.0	697.0	694.0	1.0
46546	225474.8701	518808.2398	695.0	697.1	694.2	0.8
46547	225479.0012	518805.2573	695.0	697.1	694.0	1.0
46548	225483.1038	518802.4844	695.0	697.0	694.1	0.9
46549	225487.1945	518799.5875	695.0	697.1	694.2	0.8
46550	225491.3073	518796.7053	695.0	697.1	694.2	0.8
46551	225495.3289	518793.7375	695.0	697.1	694.5	0.5
46552	225511.0247	518807.4446	696.1	697.3	694.7	1.4
46553	225506.8679	518810.2239	695.0	697.2	694.5	0.5
46554	225502.7661	518813.2897	695.0	697.0	694.2	0.8
46555	225498.6308	518816.0420	695.0	697.1	694.2	0.8
46556	225494.5110	518818.8368	695.0	697.1	693.9	1.1
46557	225490.4502	518821.8374	695.0	697.1	693.9	1.1
46558	225486.4303	518824.5566	695.0	697.0	693.9	1.1
46559	225481.9592	518827.3600	695.0	697.0	693.5	1.5
46560	225478.2452	518830.3454	695.0	696.9	693.6	1.4
46561	225474.2144	518833.1497	695.0	696.8	693.2	1.8
46562	225469.6901	518835.9308	695.0	696.8	693.6	1.4
46563	225465.9783	518838.8011	695.0	696.8	693.6	1.4
46564	225461.7871	518841.7278	695.0	696.9	693.9	1.1
46565	225457.7699	518844.7278	695.0	697.0	693.5	1.5
46566	225453.6453	518847.5620	695.0	697.1	693.6	1.4
46567	225449.5559	518850.3317	695.0	697.5	694.0	1.0
46568	225445.4448	518852.9482	695.0	697.6	693.9	1.1
46569	225441.3818	518856.1997	695.8	698.0	694.6	1.2
46570	225437.3221	518859.0106	697.4	698.9	694.6	2.9
46571	225448.6874	518875.3214	697.4	698.0	694.5	2.8
46572	225452.8735	518872.4786	695.7	697.3	693.9	1.7

Table E-1

Pond 1
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
46573	225456.8131	518869.8347	695.0	696.7	693.5	1.5
46574	225461.0846	518866.7734	695.0	696.3	693.5	1.5
46575	225464.9804	518864.0397	695.0	696.5	693.6	1.4
46576	225469.2684	518861.0729	695.0	696.7	693.4	1.6
46577	225473.3640	518858.2015	695.0	696.8	693.3	1.7
46578	225478.0695	518855.3978	695.0	696.7	693.6	1.4
46579	225481.8240	518852.5028	695.0	696.4	693.5	1.5
46580	225489.6975	518846.5763	695.0	696.8	693.9	1.1
46581	225493.7825	518843.7292	695.0	696.9	693.8	1.2
46582	225497.8766	518840.9857	695.0	697.0	694.1	0.9
46583	225502.0503	518838.0602	695.0	697.0	693.7	1.3
46584	225506.0939	518835.1796	695.0	697.1	693.9	1.1
46585	225510.1419	518832.3388	695.0	697.0	694.0	1.0
46586	225514.3082	518829.3693	695.0	697.1	694.0	1.0
46587	225518.2962	518826.6416	695.0	697.2	694.4	0.6
46588	225522.4819	518823.5651	696.1	697.4	694.5	1.6
46589	225533.9434	518840.1490	696.1	697.9	694.2	1.9
46590	225529.7767	518843.1430	695.3	697.8	694.2	1.1
46591	225525.6453	518845.8859	695.4	697.5	694.3	1.1
46592	225521.6303	518848.8318	695.5	697.4	694.2	1.3
46593	225517.5614	518851.6688	695.6	697.2	694.1	1.6
46594	225513.3163	518854.4640	695.7	697.8	694.3	1.4
46595	225509.4425	518857.3262	695.8	698.3	694.1	1.7
46596	225505.2699	518860.0911	695.9	698.0	693.7	2.1
46597	225501.0923	518863.0622	696.0	697.6	694.3	1.7
46598	225497.0073	518865.8483	696.1	696.9	694.1	1.9
46599	225492.9773	518868.9023	696.3	697.0	694.2	2.1
46600	225488.9120	518871.7027	696.3	695.8	694.1	2.2
46601	225484.6958	518874.6314	696.4	695.9	694.2	2.2
46602	225480.7826	518877.3854	696.5	696.4	694.4	2.2
46603	225476.6160	518880.3018	696.7	696.7	694.2	2.4
46604	225472.6333	518883.1391	696.8	696.7	694.3	2.5
46605	225468.4414	518886.0295	696.9	696.1	694.5	2.4
46606	225464.3978	518888.9831	697.0	696.0	694.4	2.6
46607	225416.9480	518751.1061	695.0	697.0	694.2	0.8
46608	225485.8028	518849.5079	695.0	696.7	693.4	1.6
48002	225550.2858	518828.6860	702.8	702.1	702.1	0.7
48003	225546.3193	518831.6083	701.2	700.7	699.9	1.2
48004	225542.1650	518834.4455	699.5	699.2	697.9	1.6
48005	225537.9971	518837.2391	697.8	698.2	695.7	2.1
48006	225526.5354	518820.9170	697.8	697.4	695.3	2.5
48007	225530.5712	518818.0018	699.4	698.8	697.9	1.5
48008	225534.6441	518815.1971	701.1	700.3	699.9	1.2
48009	225538.8072	518812.3327	702.8	701.9	701.9	0.0

Table E-1

Pond 1
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
48010	225527.4357	518795.7905	702.8	701.8	701.7	1.0
48011	225523.1979	518798.7307	701.1	700.7	699.9	1.1
48012	225519.2231	518801.5918	699.4	699.6	697.8	1.6
48013	225514.9991	518804.4976	697.7	698.1	695.5	2.2
48014	225503.5596	518787.9943	697.7	697.2	695.0	2.7
48015	225507.7465	518785.1719	699.4	699.3	697.5	1.9
48016	225511.9138	518782.4108	701.1	700.6	699.5	1.6
48017	225515.8564	518779.5845	702.7	701.8	701.8	0.9
48018	225504.5388	518763.1702	702.7	701.8	701.7	1.0
48019	225500.3128	518765.8441	701.0	700.8	699.9	1.1
48020	225496.2886	518768.8758	699.4	699.7	697.5	1.8
48021	225492.2108	518771.7237	697.7	697.9	695.5	2.2
48022	225480.7073	518755.3473	697.7	698.8	695.6	2.0
48023	225484.7838	518752.5124	699.3	700.2	697.8	1.5
48024	225488.8197	518749.7141	701.0	701.0	700.0	1.0
48025	225492.8927	518746.8004	702.6	701.9	701.7	0.9
48026	225480.8410	518729.6025	702.6	701.9	701.8	0.8
48027	225477.3847	518733.1529	701.0	701.1	700.4	0.6
48028	225473.3839	518736.0579	699.3	700.2	698.2	1.2
48029	225469.1474	518739.0332	697.6	698.3	695.6	2.0
48030	225470.0514	518714.0272	702.6	702.2	702.1	0.5
48031	225465.9019	518716.7808	701.1	701.1	701.1	0.0
48032	225461.7579	518719.6729	699.2	700.0	698.6	0.7
48033	225457.7915	518722.5076	697.6	698.6	695.6	2.0
48034	225446.1106	518706.1939	697.5	698.6	695.7	1.8
48035	225450.3905	518703.2768	699.2	700.4	697.9	1.4
48036	225454.4517	518700.4317	700.9	701.2	700.7	0.2
48037	225458.6381	518697.5922	702.6	702.3	702.2	0.4
48038	225447.1222	518681.2628	702.5	702.5	702.4	0.2
48039	225443.0239	518684.1239	701.0	701.3	700.9	0.0
48040	225438.9177	518686.9120	699.2	700.6	698.2	1.0
48041	225434.8414	518689.8252	697.5	699.0	695.9	1.7
48042	225423.2904	518673.3369	697.5	699.0	696.3	1.2
48043	225427.5480	518670.5689	699.2	700.6	698.5	0.7
48044	225431.4962	518667.6626	700.9	701.2	701.0	0.0
48045	225435.6175	518664.8994	702.5	702.4	702.3	0.1
48046	225424.0785	518648.4569	702.4	702.3	702.2	0.2
48047	225420.0334	518651.3383	700.9	701.2	700.9	0.0
48048	225415.9027	518654.1408	699.1	700.3	698.1	1.1
48049	225411.8254	518656.9306	697.5	698.3	695.6	1.9
48050	225400.2953	518640.6603	697.4	697.8	695.0	2.4
48051	225388.9135	518624.2563	697.4	698.1	696.0	1.5
48052	225393.0831	518621.3742	699.1	700.1	698.6	0.5
48053	225397.0987	518618.5602	700.9	701.2	700.9	0.0

Table E-1

Pond 1
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation⁽¹⁾	Pre-Dredge Elevation⁽²⁾	Post-Dredge Elevation⁽³⁾	Over Dredge⁽⁴⁾
48054	225401.1570	518615.6126	702.4	702.2	702.2	0.0
48055	225389.7008	518599.3251	702.4	702.3	702.3	0.0
48056	225385.6576	518602.1076	700.7	701.2	700.5	0.2
48057	225381.5897	518605.0478	699.1	700.2	698.3	0.7
48058	225377.5502	518607.8958	697.4	698.9	696.1	1.3
48059	225366.0081	518591.4926	697.4	698.2	695.5	1.9
48060	225370.0132	518588.6496	699.0	700.3	698.1	0.9
48061	225374.2149	518585.7908	700.7	701.2	700.7	0.0
48062	225378.1838	518582.9544	702.3	702.3	702.3	0.1
48063	225366.7593	518566.4980	702.3	702.3	702.3	0.1
48064	225362.7676	518569.3750	700.7	701.2	700.4	0.2
48065	225358.5996	518572.1732	699.0	700.1	698.3	0.7
48066	225354.5984	518575.1634	697.3	698.2	695.7	1.7
48067	225343.1099	518558.6966	697.3	697.9	695.8	1.5
48068	225347.0788	518555.8835	698.9	700.0	698.0	1.0
48069	225351.2505	518552.9352	700.6	701.0	700.2	0.5
48070	225355.2960	518550.0841	702.6	702.6	702.5	0.1
48071	225343.8651	518533.6917	702.3	701.9	701.9	0.4
48072	225339.7350	518536.4991	700.6	700.7	700.1	0.5
48073	225335.7141	518539.5239	698.9	698.1	697.8	1.1
48074	225331.6680	518542.3700	697.3	697.3	695.0	2.3
48075	225320.0011	518525.9193	697.2	697.4	695.4	1.9
48076	225324.1989	518523.0260	698.9	698.3	697.8	1.2
48077	225328.2702	518520.1524	700.6	700.3	699.6	1.0
48078	225332.4722	518517.3663	702.3	701.8	701.7	0.6
48079	225320.9855	518500.8392	702.2	701.9	701.8	0.5
48080	225316.8504	518503.7740	700.6	700.6	699.5	1.0
48081	225312.8181	518506.6465	698.9	698.3	697.2	1.7
48082	225308.6006	518509.6082	697.2	697.0	694.7	2.5
48083	225297.2119	518493.2299	697.2	697.5	694.4	2.8
48084	225301.2180	518490.3454	698.8	698.1	697.1	1.7
48085	225305.4163	518487.5376	700.5	700.2	699.8	0.7
48086	225309.5359	518484.6274	702.2	701.6	701.6	0.6
48087	225298.0351	518468.1702	702.2	701.8	701.7	0.5
48088	225293.8523	518471.0683	700.5	700.3	700.4	0.0
48089	225289.8311	518473.9963	698.8	699.0	698.0	0.8
48090	225285.7509	518476.8576	697.1	697.7	695.4	1.8
48091	225274.2672	518460.3728	697.1	697.9	695.2	1.9
48092	225278.3328	518457.5240	698.8	699.0	697.8	1.0
48093	225282.3816	518454.7710	700.4	700.5	700.2	0.2
48094	225286.4864	518451.8770	702.1	701.8	701.7	0.4
48095	225275.0466	518435.4791	702.1	701.8	701.9	0.0
48096	225270.9375	518438.3625	700.8	700.8	700.6	0.2
48097	225266.9394	518441.2198	698.8	699.9	698.2	0.5

Table E-1

Pond 1
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
48098	225262.7613	518444.0686	697.1	698.0	695.3	1.8
48099	225251.2464	518427.6276	697.0	698.4	695.4	1.7
48100	225255.4289	518424.8209	698.7	699.4	698.3	0.5
48101	225259.4757	518421.9192	700.8	700.8	700.9	0.0
48102	225263.5436	518419.0553	702.0	701.8	701.8	0.0
48103	225252.1698	518402.6004	702.1	701.9	701.8	0.3
48104	225247.9962	518405.5791	700.3	700.7	699.9	0.4
48105	225243.9342	518408.3446	698.7	699.2	697.8	0.9
48106	225239.8754	518411.2175	697.0	698.8	695.4	1.6
48107	225240.7438	518386.3081	702.0	701.7	701.7	0.3
48108	225236.5166	518389.1212	700.4	700.4	700.4	0.0
48109	225232.5579	518391.9803	698.7	698.5	697.8	0.9
48110	225228.4221	518394.9818	697.0	698.3	695.3	1.7
48111	225220.9991	518375.6212	698.6	698.8	697.2	1.4
48112	225225.0425	518372.7860	700.3	700.0	699.5	0.8
48113	225229.1829	518369.9031	702.0	701.6	701.5	0.4
48114	225217.7048	518353.4951	701.9	701.7	701.7	0.0
48115	225213.5822	518356.3566	700.3	700.6	699.9	0.4
48116	225209.5167	518359.2731	698.6	699.2	696.9	1.7
48117	225206.2479	518337.1421	701.9	701.7	701.7	0.0
48118	225202.0553	518339.9765	700.2	700.8	699.7	0.5
48119	225198.0255	518342.9291	698.6	699.7	697.4	1.2
48120	225194.7293	518320.7604	701.9	701.7	701.9	0.0
48121	225190.6320	518323.6411	700.7	700.7	700.8	0.0
48122	225186.5890	518326.4358	698.6	700.2	698.0	0.5
48123	225183.3099	518304.3921	702.6	702.6	702.7	0.0
48124	225179.2415	518307.1474	700.8	700.8	700.8	0.0
48125	225175.1108	518310.0728	698.5	697.9	697.9	0.7
48126	225170.9343	518313.0283	697.0	696.9	695.8	1.2
48141	225102.1437	518336.7259	703.8	701.9	702.3	0.0
48142	225098.0933	518339.5068	703.8	702.0	702.6	0.0
48143	225093.9334	518342.3730	703.8	702.5	702.7	0.0
48144	225089.9893	518345.3457	703.7	703.8	703.1	0.6
48145	225085.6961	518348.2585	704.1	704.1	704.1	0.0
48147	225092.3579	518359.3851	700.4	700.4	701.1	0.0
48148	225093.6494	518353.1231	701.0	701.0	701.1	0.0
48149	225098.7848	518346.9589	701.4	700.8	699.5	1.8
48150	225109.4054	518339.9027	701.3	700.0	699.3	2.0
48151	225120.9721	518333.5502	700.8	700.0	698.7	2.1
48152	225131.4651	518327.4473	700.5	699.9	699.3	1.2
48153	225142.9788	518319.1803	700.6	700.8	699.4	1.2
48154	225151.8017	518313.0183	700.6	700.1	699.0	1.6
48155	225158.4156	518305.9094	701.3	700.3	699.7	1.6
48156	225165.4926	518303.4775	700.6	700.2	699.7	0.9

Table E-1

Pond 1
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
48157	225169.9779	518299.3967	702.3	702.3	703.3	0.0
48168	225552.8459	518842.1830	701.6	701.3	701.0	0.6
48169	225545.2655	518842.6326	699.0	700.2	698.5	0.5
48170	225537.7357	518841.4989	696.9	698.6	695.3	1.6
48171	225536.6199	518846.2433	697.4	699.1	695.1	2.2
48172	225540.6115	518850.8570	699.4	700.2	697.9	1.5
48173	225543.6817	518856.2571	701.5	701.3	701.1	0.4
48174	225549.0343	518861.0761	703.9	703.9	704.4	0.0
48175	225528.4097	518873.0000	703.9	704.3	703.9	0.0
48176	225526.3487	518869.2812	702.2	702.2	702.0	0.2
48177	225522.4997	518864.9472	700.3	700.9	699.0	1.2
48178	225519.3895	518861.2653	698.7	699.8	696.9	1.8
48179	225519.0752	518858.8354	697.9	699.2	695.1	2.8
48180	225513.2806	518876.9421	703.4	703.4	703.4	0.0
48181	225507.7384	518867.6093	698.4	700.2	697.2	1.2
48182	225505.1512	518863.6436	696.9	698.7	695.1	1.8
48183	225493.1047	518874.1179	697.8	697.6	695.2	2.5
48184	225497.1044	518879.7209	700.0	699.8	698.6	1.4
48185	225501.0755	518885.7742	702.5	701.7	701.7	0.0
48186	225483.4121	518896.8954	702.6	701.5	701.8	0.0
48187	225479.2333	518891.4878	700.3	699.6	697.8	2.5
48188	225475.5278	518885.4562	697.9	697.7	695.2	2.8
48189	225465.8452	518892.7764	698.3	697.3	695.1	3.2
48190	225468.2810	518898.7707	700.5	699.4	698.2	2.2
48191	225473.7276	518903.5725	702.8	701.4	701.7	0.0
48192	225465.6631	518905.7717	702.1	701.3	701.3	0.0
48195	225475.7899	518905.3775	704.0	702.2	702.1	1.8
48196	225479.8389	518902.5385	703.8	702.2	702.2	0.0
48197	225484.0306	518899.6212	703.7	702.2	702.3	0.0
48198	225488.0645	518896.6674	703.4	702.1	702.1	1.3
48199	225492.1209	518893.7268	703.2	702.0	702.0	0.0
48200	225496.2237	518890.9437	703.1	702.0	702.0	1.2
48201	225500.3386	518888.0954	703.0	702.1	702.0	1.0
48202	225504.3919	518885.1818	702.9	702.2	702.0	0.8
48203	225508.5409	518882.2700	702.8	702.0	702.0	0.7
48204	225512.6326	518879.4086	703.7	703.7	703.8	0.0
48205	225516.5072	518876.8064	703.9	703.9	703.9	0.0
48206	225520.8173	518873.8082	703.5	703.5	703.9	0.0
48207	225524.9462	518870.7736	702.4	702.6	702.5	0.0
48208	225529.0018	518867.9477	702.2	701.9	701.8	0.4
48209	225533.1662	518865.1714	702.2	701.6	701.5	0.7
48210	225537.2982	518862.3031	702.1	701.6	701.7	0.0
48211	225541.3491	518859.4363	702.0	701.5	701.5	0.5
48212	225545.3262	518856.4470	701.6	701.6	701.8	0.0

Table E-1

Pond 1
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation⁽¹⁾	Pre-Dredge Elevation⁽²⁾	Post-Dredge Elevation⁽³⁾	Over Dredge⁽⁴⁾
48213	225549.4730	518853.8318	701.7	701.7	703.0	0.0
48214	225553.5731	518850.7479	702.4	701.9	701.6	0.8
48215	225557.6783	518847.9879	703.9	703.3	703.2	0.7
48223	225451.9185	518897.4227	700.6	699.9	699.3	1.3
48224	225456.0115	518894.4872	698.9	697.7	696.9	2.0
48225	225460.1871	518891.7261	697.3	696.4	695.1	2.2
48229	225440.5041	518881.0595	700.7	700.1	699.3	1.4
48230	225444.5729	518878.2169	699.0	698.8	696.5	2.6
48231	225433.2088	518861.7751	699.1	700.1	697.1	1.9
48232	225429.0203	518864.7384	700.8	701.0	699.8	0.9
48239	225417.6201	518848.3406	700.8	700.3	699.9	0.9
48240	225421.6375	518845.4469	699.2	699.5	697.4	1.8
48241	225406.1258	518831.9761	700.9	700.3	699.7	1.3
48251	225383.2215	518799.1439	701.0	700.9	699.9	1.1
48252	225387.2147	518796.2971	699.4	699.8	697.2	2.2
48253	225375.8370	518779.9785	699.5	699.6	697.9	1.6
48254	225379.8805	518777.0490	697.8	698.8	695.4	2.4
48255	225371.8211	518782.8109	701.1	700.5	700.8	0.0
48262	225360.2465	518766.4334	700.3	700.3	701.7	0.0
48263	225364.3141	518763.5255	699.5	699.5	698.5	1.0
48264	225368.3797	518760.7235	697.9	698.6	695.7	2.2
48265	225356.9310	518744.3620	698.0	698.6	695.6	2.4
48266	225352.9081	518747.0560	699.6	699.6	698.2	1.4
48267	225348.8342	518750.0355	701.3	700.5	700.8	0.0
48274	225337.2934	518733.7133	700.6	700.6	702.0	0.0
48275	225341.4011	518730.8874	699.7	699.6	697.9	1.8
48276	225334.1161	518711.4306	698.1	698.4	696.2	1.8
48277	225329.8996	518714.3712	699.8	699.4	698.9	0.9
48278	225325.8725	518717.2050	701.4	701.2	701.4	0.0
48285	225314.3678	518700.9062	701.5	701.7	701.2	0.3
48286	225318.3569	518698.0629	699.9	699.8	698.9	1.0
48287	225322.6289	518695.1272	698.1	698.7	695.7	2.5
48291	225302.8873	518684.4405	701.6	700.6	700.7	0.0
48292	225306.9570	518681.6129	699.9	699.7	696.3	3.7
48293	225299.6669	518662.4538	698.3	698.8	695.9	2.4
48294	225295.5556	518665.2462	700.0	699.7	698.5	1.5
48295	225291.4726	518668.0787	701.6	700.7	700.8	0.0
48302	225279.9805	518651.7012	701.7	701.2	700.4	1.3
48303	225284.0741	518648.7949	700.0	699.7	698.1	1.9
48304	225288.1493	518645.9515	698.4	698.6	695.5	2.9
48308	225268.5196	518635.2521	701.8	700.6	700.9	0.0
48309	225272.6499	518632.4003	700.1	699.3	697.5	2.6
48310	225276.6509	518629.5274	698.5	698.4	695.1	3.4
48311	225265.3031	518613.2194	698.5	698.7	696.1	2.4

Table E-1

Pond 1
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation⁽¹⁾	Pre-Dredge Elevation⁽²⁾	Post-Dredge Elevation⁽³⁾	Over Dredge⁽⁴⁾
48312	225261.0837	518615.9887	700.2	699.5	698.5	1.7
48313	225256.9701	518619.0110	701.9	700.5	701.0	0.0
48320	225245.6109	518602.5593	701.9	700.8	701.1	0.0
48321	225249.6041	518599.7106	700.3	699.6	698.7	1.6
48322	225253.7204	518596.8788	698.6	698.9	696.0	2.7
48325	225234.0694	518586.1942	702.0	701.0	701.5	0.0
48334	225226.7224	518566.9770	700.4	700.1	699.7	0.7
48335	225230.6872	518564.1182	698.8	699.3	696.7	2.1
48342	225215.1691	518550.5918	700.5	700.2	699.8	0.7
48343	225219.4080	518547.6368	698.8	699.3	697.5	1.3
48344	225192.2708	518517.8157	700.7	700.2	699.8	0.8
48345	225196.4958	518514.8695	698.9	699.3	697.1	1.9
48347	225203.8070	518534.0438	700.5	700.3	699.3	1.3
48356	225184.8711	518498.5579	699.1	699.6	697.1	2.0
48357	225180.8431	518501.3730	700.7	700.2	699.7	1.1
48366	225169.3023	518484.9891	700.8	700.3	699.3	1.5
48367	225173.5120	518482.1562	699.1	699.4	696.5	2.6
48368	225161.9917	518465.7295	699.2	698.7	696.7	2.5
48369	225157.8728	518468.6311	700.9	699.8	699.3	1.5
48370	225153.8213	518471.5075	702.5	701.6	702.1	0.0
48378	225146.3706	518452.2556	701.0	700.1	699.2	1.8
48379	225150.4871	518449.4012	699.3	699.2	696.6	2.7
48384	225134.8936	518435.8613	701.0	700.8	699.5	1.6
48385	225139.0225	518433.0386	699.4	699.7	696.2	3.2
48386	225127.6547	518416.5593	699.4	699.7	696.2	3.2
48387	225123.4391	518419.5037	701.1	700.3	699.1	2.0
48395	225112.0455	518403.0516	701.2	700.5	700.1	1.0
48396	225116.1028	518400.2078	699.5	698.2	697.3	2.2
48397	225120.2380	518397.3660	697.8	697.2	695.2	2.6
48398	225108.6997	518380.9432	697.9	697.4	695.8	2.1
48399	225104.6207	518383.8558	699.6	698.9	698.4	1.2
48400	225100.5081	518386.7147	701.3	701.1	701.1	0.2
48407	225089.0398	518370.3003	701.7	701.7	701.7	0.0
48408	225093.1235	518367.4132	699.7	700.4	699.4	0.3
48409	225097.2711	518364.5451	698.0	698.5	696.4	1.6
48410	225090.7747	518357.6010	701.1	701.1	701.2	0.0
48411	225101.6679	518348.2288	700.5	700.1	698.3	2.2
48412	225116.1344	518338.7287	700.3	699.6	698.0	2.3
48413	225132.6534	518329.4899	699.7	699.4	698.2	1.6
48414	225150.4425	518317.3536	699.7	699.8	698.1	1.6
48416	225393.1375	518816.7584	701.6	701.0	699.8	1.8
48417	225345.5177	518727.9623	698.0	698.6	695.9	2.2
48418	225311.0445	518678.7508	698.3	698.9	696.0	2.3
48517	225449.0968	518899.4401	701.8	701.8	701.8	0.0

Table E-1

**Pond 1
Survey Verification**

**Black Dog Generating Plant
Xcel Energy**

Point No.	Northing	Easting	Design Elevation⁽¹⁾	Pre-Dredge Elevation⁽²⁾	Post-Dredge Elevation⁽³⁾	Over Dredge⁽⁴⁾
48518	225447.8418	518900.3196	702.3	702.3	702.3	0.0
48535	225436.4150	518883.9231	702.3	702.3	702.3	0.0
48536	225423.8008	518868.3875	702.9	702.9	702.9	0.0
48553	225413.3981	518851.2245	702.5	702.5	702.5	0.0
48572	225379.0579	518802.1047	702.7	702.7	702.7	0.0
48589	225367.6197	518785.6668	702.8	702.8	702.8	0.0
48590	225357.7409	518768.1493	702.2	702.2	702.2	0.0
48591	225356.1181	518769.2986	702.9	702.9	702.9	0.0
48608	225344.6523	518752.8652	702.9	702.9	702.9	0.0
48609	225335.8211	518734.6891	702.0	702.0	702.0	0.0
48628	225323.6926	518718.8217	702.3	702.3	702.3	0.0
48629	225311.7439	518702.7506	702.6	702.6	702.6	0.0
48649	225288.3348	518670.2336	702.9	702.9	702.9	0.0
48686	225243.5077	518603.9833	702.8	702.8	702.8	0.0
48705	225222.6023	518569.8795	702.1	702.1	702.1	0.0
48724	225209.8163	518554.2895	702.7	702.7	702.7	0.0
48725	225198.8048	518537.6265	702.6	702.6	702.6	0.0
48742	225187.5136	518521.1888	702.6	702.6	702.6	0.0
48743	225175.3599	518505.1325	702.9	702.9	702.9	0.0
48762	225165.2860	518487.8537	702.5	702.5	702.5	0.0
48763	225152.6042	518472.3001	703.0	703.0	703.0	0.0
48800	225119.3102	518422.3780	702.8	702.8	702.8	0.0
48801	225109.0592	518405.1361	702.4	702.4	702.4	0.0
48802	225107.8293	518405.9517	702.9	702.9	702.9	0.0
48819	225096.5133	518389.6087	702.9	702.9	702.9	0.0
48820	225097.9211	518388.5284	702.3	702.3	702.3	0.0
48821	225086.1600	518372.3301	702.5	702.5	702.5	0.0
48822	225084.9901	518373.1607	703.0	703.0	703.0	0.0

Notes:

- (1) Design elevation defined from the impoundment design limits adjusted to field conditions
- (2) Pre-dredge elevations defined from pre-dredge verification survey
- (3) Post-dredge elevations defined from post-dredge verification survey
- (4) Over-dredge calculated from comparing the post-dredge survey to the impoundment design limits

Table E-2

Pond 2
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
36568	225337.0666	519001.9991	704.2	702.3	702.3	1.8
36571	225379.3158	518962.7096	702.3	702.3	702.3	0.0
36572	225385.0047	518958.7068	702.2	702.2	702.2	0.0
37390	224983.2775	518419.8228	702.9	701.7	701.7	1.1
37578	225324.1922	519011.4050	704.4	703.8	703.8	0.6
37579	225328.3749	519008.5209	704.2	703.5	703.5	0.7
37580	225332.3984	519005.6257	704.2	702.8	702.8	1.4
37581	225336.4597	519002.6979	704.3	702.8	702.8	1.5
37582	225340.6049	518999.9330	704.4	702.4	702.4	2.0
37855	225025.9688	518393.4409	702.6	701.9	701.9	0.7
37856	225020.2239	518394.0733	704.8	704.8	704.8	0.0
37857	225016.1640	518396.8737	705.0	705.0	705.0	0.0
37858	225018.3843	518401.0353	701.8	701.7	701.7	0.1
37859	225012.0282	518399.8607	705.3	705.3	705.3	0.0
37860	225007.9237	518402.6123	705.3	705.3	705.3	0.0
37861	224999.7278	518408.3703	704.7	704.7	704.7	0.0
37862	225002.9088	518411.2227	701.8	700.7	700.7	1.0
37864	224995.6900	518411.2661	703.1	701.8	701.8	1.3
37866	224991.6050	518414.2795	702.9	702.3	702.3	0.6
37867	224987.4317	518417.0211	702.9	701.9	701.9	1.0
43503	225204.5645	518631.2890	700.3	700.4	698.7	1.6
43504	225200.5555	518633.9342	698.7	699.1	696.7	2.0
43508	225193.1777	518614.7550	700.3	700.5	699.3	1.1
43509	225188.9271	518617.7752	698.6	699.0	696.5	2.1
43510	225184.8364	518620.6307	696.9	698.1	694.8	2.2
43512	225177.6333	518601.2422	698.7	699.1	696.3	2.3
43513	225181.7140	518598.4306	700.3	700.4	698.9	1.4
43520	225170.1550	518582.0325	700.3	700.2	699.0	1.3
43521	225166.0582	518584.9296	698.6	698.9	696.3	2.3
43522	225161.8808	518587.8372	696.9	697.9	694.4	2.5
43524	225058.7026	518440.1719	696.7	698.3	694.2	2.5
43525	225054.5240	518443.2092	695.0	698.4	693.9	1.1
43526	225050.4844	518445.9813	695.0	698.2	693.7	1.3
43527	225050.4885	518446.0862	695.0	698.2	693.6	1.4
43528	225046.3784	518449.0322	695.0	698.2	693.7	1.3
43529	225042.4050	518451.7851	695.0	698.1	693.5	1.5
43530	225038.3692	518454.6622	695.0	698.1	693.6	1.4
43531	225034.2618	518457.6375	695.0	697.9	693.7	1.3
43532	225030.1955	518460.3815	695.0	698.0	693.6	1.4
43533	225025.9740	518463.3256	695.0	698.1	693.7	1.3
43534	225021.9213	518466.1488	695.0	698.3	693.8	1.2
43535	225017.8684	518469.0290	695.0	698.2	693.9	1.1
43536	225013.6948	518471.8996	695.0	698.3	693.9	1.1

Table E-2

Pond 2
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
43537	225009.4916	518474.7498	695.0	698.2	693.8	1.2
43538	225005.5881	518477.7237	695.0	698.4	693.8	1.2
43539	225001.4747	518480.4518	695.0	698.4	693.7	1.3
43540	224997.3801	518483.3189	695.0	698.4	693.8	1.2
43541	224993.2224	518486.2605	695.0	698.4	693.9	1.1
43542	224989.1571	518489.1244	695.0	698.5	693.9	1.1
43543	224985.1577	518491.9859	695.0	698.3	694.1	0.9
43544	224981.0086	518494.8319	695.0	698.4	693.9	1.1
43545	224976.9305	518497.8912	696.5	698.6	693.9	2.6
43546	224992.3877	518511.1012	695.0	698.1	693.9	1.1
43547	224996.4984	518508.2212	695.0	698.2	693.8	1.2
43548	225000.6820	518505.4782	695.0	698.2	693.9	1.1
43549	225004.6724	518502.5396	695.0	698.2	694.0	1.0
43550	225008.7570	518499.8055	695.0	698.1	693.9	1.1
43551	225012.9292	518496.7542	695.0	698.2	693.9	1.1
43552	225016.9025	518494.0268	695.0	698.0	693.8	1.2
43553	225021.2634	518491.0258	695.0	698.0	693.6	1.4
43554	225025.3925	518488.0782	695.0	698.0	693.6	1.4
43555	225029.1764	518485.4400	695.0	698.0	693.5	1.5
43556	225033.3076	518482.4986	695.0	698.0	694.1	0.9
43557	225037.5172	518479.7035	695.0	697.8	694.0	1.0
43558	225041.3975	518476.7648	695.0	697.8	693.9	1.1
43559	225045.7005	518473.8638	695.0	697.7	693.8	1.2
43560	225049.7077	518471.1309	695.0	697.9	693.7	1.3
43561	225053.9317	518468.1990	695.0	697.7	693.6	1.4
43562	225057.9673	518465.3197	695.0	697.8	693.6	1.4
43563	225062.0090	518462.4123	695.0	697.8	693.5	1.5
43564	225066.2323	518459.5375	695.1	698.1	693.7	1.4
43565	225070.1247	518456.6368	696.7	698.4	694.3	2.4
43566	225081.7410	518473.1756	696.8	697.9	694.2	2.5
43567	225077.6050	518475.8790	695.1	697.7	693.9	1.2
43568	225073.5676	518478.7885	695.0	697.5	693.4	1.6
43569	225069.3903	518481.7594	695.0	697.4	693.6	1.4
43570	225065.2582	518484.7332	695.0	697.4	693.4	1.6
43571	225061.2518	518487.4201	695.0	697.5	693.8	1.2
43572	225057.0726	518490.3834	695.0	697.5	693.7	1.3
43573	225053.1667	518493.1697	695.0	697.5	694.1	0.9
43574	225048.9030	518496.0160	695.0	697.6	694.1	0.9
43575	225044.8603	518498.8774	695.0	697.7	694.0	1.0
43576	225040.7262	518501.7182	695.0	697.7	693.8	1.2
43577	225036.6256	518504.7870	695.0	697.7	693.8	1.2
43578	225032.5343	518507.4734	695.0	697.6	693.7	1.3
43579	225028.5804	518510.3879	695.0	697.8	693.9	1.1

Table E-2

Pond 2
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
43580	225024.5039	518513.2789	695.0	697.8	694.0	1.0
43581	225020.1666	518516.1225	695.0	697.8	694.2	0.8
43582	225016.2497	518519.0792	695.0	697.6	694.1	0.9
43583	225012.1279	518521.7492	695.0	697.6	694.0	1.0
43584	225007.9289	518524.6575	695.0	697.8	693.9	1.1
43585	225003.8387	518527.5469	695.0	697.7	693.8	1.2
43586	224999.8177	518530.4713	696.4	697.7	694.5	1.9
43587	225011.2141	518546.9261	696.4	698.1	694.1	2.3
43588	225015.3693	518543.9018	695.0	697.7	694.0	1.0
43589	225019.3620	518541.0644	695.0	697.5	693.6	1.4
43590	225023.4971	518538.2917	695.0	697.3	693.5	1.5
43591	225027.6611	518535.4044	695.0	697.3	693.7	1.3
43592	225031.6607	518532.5765	695.0	697.5	693.7	1.3
43593	225035.8092	518529.7139	695.0	697.7	693.8	1.2
43594	225039.8454	518526.7815	695.0	697.6	693.9	1.1
43595	225044.0283	518523.9105	695.0	697.5	694.0	1.0
43596	225048.1314	518520.9965	695.0	697.4	693.8	1.2
43597	225052.3275	518518.1517	695.0	697.5	693.9	1.1
43598	225056.2040	518515.2736	695.0	697.3	693.9	1.1
43599	225060.3174	518512.4725	695.0	697.2	693.7	1.3
43600	225064.5495	518509.6415	695.0	697.4	693.6	1.4
43601	225068.4326	518506.8378	695.0	697.3	693.6	1.4
43602	225072.6543	518503.8607	695.0	697.2	693.4	1.6
43603	225076.8376	518500.9099	695.0	697.3	692.5	2.5
43604	225080.9825	518498.0966	695.0	697.3	692.6	2.4
43605	225084.8885	518495.2711	695.0	697.4	693.1	1.9
43606	225089.0020	518492.4340	695.1	697.5	693.4	1.7
43607	225093.0339	518489.5173	696.7	697.8	693.9	2.9
43608	225104.5752	518505.9818	696.8	697.9	694.1	2.7
43609	225100.6302	518508.8651	695.1	697.5	693.6	1.6
43610	225096.3770	518511.6337	695.0	697.3	693.4	1.6
43611	225092.3956	518514.5388	695.0	697.3	693.5	1.5
43612	225088.0838	518517.4131	695.0	697.2	693.5	1.5
43613	225084.2022	518520.2475	695.0	697.1	693.5	1.5
43614	225080.1391	518523.1501	695.0	697.1	693.1	1.9
43615	225076.2278	518526.0507	695.0	697.3	693.4	1.6
43616	225071.7942	518528.7134	695.0	697.2	693.8	1.2
43617	225067.8005	518531.8425	695.0	697.3	693.9	1.1
43618	225063.7431	518534.7586	695.0	697.3	693.7	1.3
43619	225059.6034	518537.4425	695.0	697.3	693.6	1.4
43620	225055.5634	518540.3258	695.0	697.4	693.8	1.2
43621	225051.5724	518543.3124	695.0	697.5	694.0	1.0
43622	225047.1786	518546.1124	695.0	697.6	693.9	1.1

Table E-2

Pond 2
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
43623	225043.2723	518548.8825	695.0	697.7	694.0	1.0
43624	225039.2336	518551.6886	695.0	697.7	694.0	1.0
43625	225035.1330	518554.6964	695.0	697.7	693.7	1.3
43626	225030.9517	518557.6238	695.0	697.8	693.8	1.2
43627	225026.8065	518560.3970	695.0	698.1	694.1	0.9
43628	225022.8973	518563.1831	696.2	698.5	694.2	2.0
43629	225034.2480	518579.6220	696.2	698.4	694.1	2.1
43630	225038.2284	518576.8554	695.0	698.1	693.9	1.1
43631	225042.3219	518573.9679	695.0	697.9	693.6	1.4
43632	225046.3686	518570.9429	695.0	697.8	693.7	1.3
43633	225050.4817	518568.0560	695.0	697.8	693.7	1.3
43634	225054.7285	518565.2641	695.0	697.6	693.7	1.3
43635	225058.7957	518562.5097	695.0	697.5	693.7	1.3
43636	225062.8406	518559.5356	695.0	697.5	693.6	1.4
43637	225067.0459	518556.5220	695.0	697.4	693.7	1.3
43638	225071.1037	518553.9801	695.0	697.3	693.6	1.4
43639	225075.2754	518550.8253	695.0	697.3	693.6	1.4
43640	225079.2842	518548.0510	695.0	697.3	693.9	1.1
43641	225083.4231	518545.0165	695.0	697.3	693.7	1.3
43642	225087.3981	518542.2825	695.0	697.3	693.6	1.4
43643	225091.7209	518539.3632	695.0	697.4	693.6	1.4
43644	225095.6189	518536.7448	695.0	697.4	693.5	1.5
43645	225099.6751	518533.6925	695.0	697.2	693.6	1.4
43646	225103.7865	518530.8806	695.0	697.4	693.6	1.4
43647	225107.8131	518527.9728	695.0	697.5	693.7	1.3
43648	225111.9993	518525.1099	695.2	697.6	693.7	1.5
43649	225115.9690	518522.2028	696.8	697.9	694.1	2.7
43650	225127.6191	518538.6034	696.9	697.9	694.0	2.9
43651	225123.5972	518541.4678	695.2	697.6	693.8	1.4
43652	225119.4394	518544.5026	695.0	697.4	693.5	1.5
43653	225115.3723	518547.3912	695.0	697.4	693.2	1.8
43654	225111.1183	518550.1968	695.0	697.3	693.3	1.7
43655	225107.1560	518553.0678	695.0	697.3	693.8	1.2
43656	225103.0068	518555.7434	695.0	697.4	693.8	1.2
43657	225098.9446	518558.7020	695.0	697.3	693.5	1.5
43658	225094.9313	518561.7634	695.0	697.4	693.7	1.3
43659	225090.6846	518564.3869	695.0	697.3	693.8	1.2
43660	225086.6707	518567.4543	695.0	697.3	693.8	1.2
43661	225082.5190	518570.2196	695.0	697.4	693.6	1.4
43662	225078.6005	518573.0876	695.0	697.4	693.7	1.3
43663	225074.2478	518575.9137	695.0	697.4	693.7	1.3
43664	225070.3113	518578.8240	695.0	697.5	693.4	1.6
43665	225066.0868	518581.8003	695.0	697.5	693.7	1.3

Table E-2

Pond 2
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
43666	225062.1892	518584.6676	695.0	697.6	693.8	1.2
43667	225058.1180	518587.6182	695.0	697.6	693.9	1.1
43668	225053.8338	518590.4516	695.0	697.5	693.7	1.3
43669	225049.8965	518593.1478	695.0	697.6	693.8	1.2
43670	225045.7181	518596.0793	696.2	697.9	693.9	2.2
43671	225057.1790	518612.4665	696.1	697.5	694.1	2.0
43672	225061.1590	518609.5954	695.0	697.3	693.6	1.4
43673	225065.3497	518606.7562	695.0	697.2	693.5	1.5
43674	225069.3627	518603.9076	695.0	697.3	693.0	2.0
43675	225073.5379	518601.1109	695.0	697.3	693.7	1.3
43676	225077.6440	518598.0165	695.0	697.4	693.5	1.5
43677	225081.6106	518595.2093	695.0	697.4	693.8	1.2
43678	225085.7397	518592.3610	695.0	697.4	693.8	1.2
43679	225090.0463	518589.3425	695.0	697.4	693.8	1.2
43680	225093.9029	518586.6041	695.0	697.4	693.7	1.3
43681	225097.9964	518583.7601	695.0	697.4	693.8	1.2
43682	225102.1754	518580.9904	695.0	697.3	693.9	1.1
43683	225106.2583	518578.0666	695.0	697.4	693.9	1.1
43684	225110.3088	518574.9214	695.0	697.4	693.8	1.2
43685	225114.4267	518572.2840	695.0	697.2	693.8	1.2
43686	225118.6035	518569.4440	695.0	697.3	694.0	1.0
43687	225122.7470	518566.4442	695.0	697.4	693.7	1.3
43688	225126.5808	518563.7591	695.0	697.4	693.5	1.5
43689	225130.8086	518560.7907	695.0	697.4	693.7	1.3
43690	225134.8400	518557.9447	695.2	697.5	693.5	1.7
43691	225139.0802	518555.1511	696.9	697.8	693.6	3.3
43693	225150.5869	518571.4208	696.9	697.8	694.3	2.7
43694	225146.3971	518574.3159	695.2	697.6	694.1	1.1
43695	225142.3702	518577.1096	695.0	697.4	693.8	1.2
43696	225138.1883	518579.9135	695.0	697.4	693.8	1.2
43697	225134.2055	518582.9302	695.0	697.3	693.8	1.2
43698	225130.1302	518585.8190	695.0	697.3	693.6	1.4
43699	225125.9652	518588.6231	695.0	697.3	693.7	1.3
43700	225121.8580	518591.4298	695.0	697.4	693.7	1.3
43701	225117.8364	518594.3609	695.0	697.4	693.5	1.5
43702	225113.6617	518597.1925	695.0	697.4	693.7	1.3
43703	225109.7002	518600.1020	695.0	697.3	693.6	1.4
43704	225105.5188	518603.0265	695.0	697.5	693.8	1.2
43705	225101.3302	518605.7920	695.0	697.5	693.3	1.7
43706	225097.4286	518608.7178	695.0	697.5	693.7	1.3
43707	225093.2300	518611.7337	695.0	697.5	693.7	1.3
43708	225089.0495	518614.5263	695.0	697.5	693.8	1.2
43709	225085.1138	518617.3429	695.0	697.6	693.8	1.2

Table E-2

Pond 2
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
43710	225080.9932	518620.1797	695.0	697.7	693.9	1.1
43711	225076.8431	518622.9446	695.0	697.8	693.9	1.1
43712	225072.8000	518625.9177	695.0	697.9	694.1	0.9
43713	225068.6316	518628.8939	696.1	698.1	694.1	2.0
43714	225080.1261	518645.1066	696.0	698.5	694.1	1.9
43715	225084.1505	518642.3074	695.0	698.4	693.8	1.2
43716	225088.1955	518639.3799	695.0	698.3	693.4	1.6
43717	225092.3537	518636.6139	695.0	698.0	693.5	1.5
43718	225096.3978	518633.6719	695.0	697.9	693.4	1.6
43719	225100.5008	518630.8686	695.0	697.7	693.4	1.6
43720	225104.7247	518628.0475	695.0	697.7	693.3	1.7
43721	225108.6913	518625.1013	695.0	697.6	693.4	1.6
43722	225112.7253	518622.0815	695.0	697.6	693.5	1.5
43723	225117.0004	518619.2914	695.0	697.5	693.6	1.4
43724	225120.9968	518616.4567	695.0	697.6	693.6	1.4
43725	225125.1495	518613.5857	695.0	697.5	693.6	1.4
43726	225129.1475	518610.7170	695.0	697.5	693.7	1.3
43727	225133.3316	518607.8204	695.0	697.5	693.7	1.3
43728	225137.3428	518605.0024	695.0	697.3	693.8	1.2
43729	225141.4885	518602.0843	695.0	697.5	693.8	1.2
43730	225145.6633	518599.3609	695.0	697.3	693.9	1.1
43731	225149.7847	518596.3943	695.0	697.5	693.7	1.3
43732	225153.7945	518593.4720	695.0	697.4	693.7	1.3
43733	225157.9636	518590.7245	695.3	697.7	693.9	1.4
43735	225173.3528	518604.1704	696.9	698.0	694.5	2.5
43736	225169.3284	518607.1103	695.3	697.7	694.1	1.2
43737	225165.3606	518609.9810	695.0	697.6	694.0	1.0
43738	225161.2552	518612.7445	695.0	697.6	693.7	1.3
43739	225157.1418	518615.6817	695.0	697.6	693.9	1.1
43740	225153.0622	518618.5618	695.0	697.5	693.8	1.2
43741	225148.8406	518621.4909	695.0	697.5	693.6	1.4
43742	225144.7763	518624.3667	695.0	697.5	693.4	1.6
43743	225140.5037	518627.2275	695.0	697.6	693.3	1.7
43744	225136.6773	518629.9980	695.0	697.6	693.5	1.5
43745	225132.5367	518632.8406	695.0	697.4	693.6	1.4
43746	225128.4985	518635.7462	695.0	697.5	693.5	1.5
43747	225124.3003	518638.5356	695.0	697.7	693.6	1.4
43748	225120.3038	518641.4310	695.0	697.5	693.5	1.5
43749	225116.0823	518644.3314	695.0	697.7	693.6	1.4
43750	225112.1245	518647.2360	695.0	697.7	693.5	1.5
43751	225108.0755	518650.0704	695.0	697.8	693.4	1.6
43752	225103.9231	518652.8990	695.0	697.9	693.4	1.6
43753	225099.7903	518655.8254	695.0	698.0	693.7	1.3

Table E-2

Pond 2
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
43754	225095.6018	518658.6588	695.0	698.2	694.0	1.0
43755	225091.6405	518661.6128	696.0	698.4	694.2	1.7
43756	225103.0180	518677.8743	695.9	697.8	693.8	2.2
43757	225107.0975	518675.0636	695.0	697.7	693.4	1.6
43758	225111.0448	518672.3078	695.0	697.5	693.3	1.7
43759	225115.4054	518669.2712	695.0	697.3	693.7	1.3
43760	225119.3448	518666.5920	695.0	697.4	693.8	1.2
43761	225123.4015	518663.7361	695.0	697.5	693.8	1.2
43762	225127.6539	518660.7482	695.0	697.5	693.9	1.1
43763	225131.6917	518657.9330	695.0	697.4	693.8	1.2
43764	225135.8028	518655.1053	695.0	697.5	693.8	1.2
43765	225139.9985	518652.0606	695.0	697.4	693.7	1.3
43766	225144.0558	518649.2982	695.0	697.4	693.4	1.6
43767	225148.1847	518646.4617	695.0	697.5	693.7	1.3
43768	225152.0750	518643.4880	695.0	697.5	693.6	1.4
43769	225156.1228	518640.5891	695.0	697.5	693.8	1.2
43770	225160.3230	518637.8076	695.0	697.5	693.8	1.2
43771	225164.4584	518634.8790	695.0	697.5	694.0	1.0
43772	225168.5544	518632.0628	695.0	697.4	694.1	0.9
43773	225172.6148	518629.2527	695.0	697.5	694.0	1.0
43774	225176.6710	518626.2925	695.0	697.6	693.8	1.2
43775	225180.8837	518623.4062	695.3	697.8	694.2	1.1
43777	225196.2410	518636.8755	697.0	698.1	694.8	2.2
43778	225192.3081	518639.7421	695.4	697.7	694.2	1.1
43779	225188.4009	518642.7088	695.0	697.6	694.1	0.9
43780	225184.1198	518645.6279	695.0	697.5	694.1	0.9
43784	225180.0622	518648.4887	695.0	697.5	694.0	1.0
43785	225175.8996	518651.3061	695.0	697.4	694.0	1.0
43786	225171.8653	518654.0721	695.0	697.4	693.9	1.1
43787	225167.7536	518656.9303	695.0	697.4	693.9	1.1
43788	225163.5433	518659.9386	695.0	697.3	693.9	1.1
43789	225159.6289	518662.7550	695.0	697.3	693.8	1.2
43790	225155.3999	518665.6022	695.0	697.3	693.8	1.2
43791	225151.3522	518668.3820	695.0	697.4	693.7	1.3
43792	225147.2908	518671.1985	695.0	697.4	693.6	1.4
43793	225143.2098	518674.2641	695.0	697.2	693.8	1.2
43794	225139.0886	518677.1509	695.0	697.3	693.7	1.3
43795	225135.0892	518679.9031	695.0	697.3	693.8	1.2
43796	225130.9492	518682.8273	695.0	697.2	693.6	1.4
43797	225126.7376	518685.6838	695.0	697.1	693.6	1.4
43798	225122.6557	518688.5555	695.0	697.2	693.7	1.3
43799	225118.4893	518691.4595	695.0	697.4	693.8	1.2
43800	225114.4227	518694.3293	695.9	697.5	694.2	1.7

Table E-2

Pond 2
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
43801	225110.4955	518697.1099	697.5	697.8	695.1	2.4
43802	225125.9747	518710.6781	695.8	697.5	694.0	1.8
43803	225129.9994	518707.8360	695.0	697.3	694.0	1.0
43804	225134.0830	518705.0502	695.0	697.3	693.7	1.3
43805	225138.2931	518702.2291	695.0	697.4	693.7	1.3
43806	225142.4600	518699.3392	695.0	697.3	693.6	1.4
43807	225146.5021	518696.3406	695.0	697.2	693.7	1.3
43808	225150.4816	518693.5782	695.0	697.3	693.7	1.3
43809	225154.6852	518690.6984	695.0	697.3	693.7	1.3
43810	225158.8262	518687.8235	695.0	697.3	693.5	1.5
43811	225162.7894	518684.9359	695.0	697.3	693.6	1.4
43812	225166.8362	518682.1453	695.0	697.2	693.6	1.4
43813	225171.0078	518679.2111	695.0	697.3	693.8	1.2
43814	225175.0795	518676.3708	695.0	697.4	693.7	1.3
43815	225179.1406	518673.4847	695.0	697.4	693.7	1.3
43816	225183.4049	518670.6902	695.0	697.3	693.7	1.3
43817	225187.4446	518667.6913	695.0	697.4	693.6	1.4
43818	225191.4088	518664.7496	695.0	697.4	694.0	1.0
43819	225195.5742	518661.8498	695.0	697.5	694.0	1.0
43820	225199.5777	518659.0489	695.0	697.6	693.8	1.2
43821	225203.7469	518656.1011	695.4	697.8	694.1	1.3
43822	225219.3164	518669.7806	697.0	698.2	694.3	2.8
43823	225215.2011	518672.5626	695.4	697.8	693.9	1.4
43824	225211.2072	518675.4822	695.0	697.5	693.7	1.3
43825	225207.1660	518678.3968	695.0	697.4	693.9	1.1
43826	225203.0212	518681.2680	695.0	697.4	694.0	1.0
43827	225198.8702	518684.0434	695.0	697.4	694.0	1.0
43828	225194.6890	518686.8766	695.0	697.3	694.0	1.0
43829	225190.7656	518689.7642	695.0	697.2	693.9	1.1
43830	225186.5702	518692.6002	695.0	697.2	693.9	1.1
43831	225182.5657	518695.5257	695.0	697.2	693.9	1.1
43832	225178.3946	518698.3641	695.0	697.2	693.8	1.2
43833	225174.3594	518701.2068	695.0	697.2	693.6	1.4
43834	225170.2527	518704.0877	695.0	697.2	693.9	1.1
43835	225166.1632	518706.9365	695.0	697.3	693.8	1.2
43836	225162.0108	518709.8468	695.0	697.2	693.7	1.3
43837	225157.9474	518712.6514	695.0	697.3	693.7	1.3
43838	225153.8169	518715.5393	695.0	697.3	693.8	1.2
43839	225149.7022	518718.5071	695.0	697.2	693.9	1.1
43840	225145.5440	518721.3473	695.0	697.2	693.5	1.5
43841	225141.4837	518724.0206	695.0	697.2	693.5	1.5
43842	225137.4246	518727.1227	695.8	697.3	693.7	2.1
43843	225148.9623	518743.4898	695.7	697.2	694.2	1.5

Table E-2

Pond 2
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
43844	225152.9568	518740.5780	695.0	697.0	694.1	0.9
43845	225157.0782	518737.7993	695.0	697.0	694.0	1.0
43846	225161.2348	518734.7877	695.0	697.1	694.1	0.9
43847	225165.2355	518732.0924	695.0	697.2	693.8	1.2
43848	225169.3204	518729.1871	695.0	697.1	693.6	1.4
43849	225173.3900	518726.3580	695.0	697.2	693.6	1.4
43850	225177.5642	518723.4437	695.0	697.1	693.7	1.3
43851	225181.6166	518720.6146	695.0	697.1	693.7	1.3
43852	225185.7535	518717.7295	695.0	697.1	693.9	1.1
43853	225189.8023	518714.8576	695.0	697.1	693.8	1.2
43854	225193.9164	518711.9445	695.0	697.1	693.7	1.3
43855	225197.8988	518709.1124	695.0	697.1	693.8	1.2
43856	225202.0832	518706.2721	695.0	697.2	693.8	1.2
43857	225206.2177	518703.3620	695.0	697.2	693.8	1.2
43858	225210.3447	518700.4051	695.0	697.3	693.9	1.1
43859	225214.4537	518697.5926	695.0	697.3	693.7	1.3
43860	225218.4728	518694.7570	695.0	697.3	693.8	1.2
43861	225222.5846	518691.9499	695.0	697.5	694.2	0.8
43862	225226.7756	518688.9814	695.4	697.7	694.2	1.2
43863	225230.6369	518686.5620	696.9	698.2	694.4	2.5
43864	225242.1357	518702.4602	697.1	698.5	694.1	2.9
43865	225238.1248	518705.2554	695.4	697.8	694.0	1.4
43866	225234.1206	518708.2537	695.0	697.5	693.9	1.1
43867	225229.9853	518711.0296	695.0	697.3	693.7	1.3
43868	225225.8984	518714.0721	695.0	697.2	693.7	1.3
43869	225221.7879	518716.7603	695.0	697.2	693.6	1.4
43870	225217.7770	518719.6473	695.0	697.1	693.8	1.2
43871	225213.7396	518722.5240	695.0	697.0	694.0	1.0
43872	225209.5961	518725.4204	695.0	697.1	693.8	1.2
43873	225205.5066	518728.1160	695.0	697.1	693.9	1.1
43874	225201.3287	518731.1202	695.0	697.1	694.1	0.9
43875	225197.3443	518733.9430	695.0	697.2	693.9	1.1
43876	225193.2142	518736.9061	695.0	697.0	693.9	1.1
43877	225189.0530	518739.8559	695.0	697.1	693.9	1.1
43878	225185.0509	518742.5507	695.0	697.0	693.8	1.2
43879	225181.0376	518745.5070	695.0	697.1	693.9	1.1
43880	225176.7275	518748.3972	695.0	697.1	693.8	1.2
43881	225172.6375	518751.1250	695.0	697.1	693.8	1.2
43882	225168.7220	518754.2314	695.0	697.2	693.9	1.1
43883	225164.4780	518756.9318	695.0	697.3	694.1	0.9
43884	225160.3532	518759.8741	695.7	697.5	694.1	1.6
43886	225171.8320	518776.1867	695.6	697.4	694.1	1.6
43887	225175.8702	518773.4882	695.0	697.2	693.7	1.3

Table E-2

Pond 2
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
43888	225180.0816	518770.5378	695.0	697.1	693.6	1.4
43889	225184.1126	518767.6473	695.0	696.8	693.9	1.1
43890	225188.2385	518764.7391	695.0	696.7	693.9	1.1
43891	225192.2827	518761.8743	695.0	696.9	693.8	1.2
43892	225196.3934	518759.1620	695.0	697.1	693.9	1.1
43893	225200.5431	518756.2659	695.0	697.1	693.9	1.1
43894	225204.6011	518753.3784	695.0	697.1	693.7	1.3
43895	225208.7127	518750.5023	695.0	697.2	693.7	1.3
43896	225212.7742	518747.5367	695.0	697.1	693.7	1.3
43897	225216.8447	518744.7562	695.0	697.1	693.4	1.6
43898	225220.8750	518741.8962	695.0	697.1	693.5	1.5
43899	225225.0858	518738.9724	695.0	697.1	693.9	1.1
43900	225229.1923	518736.2109	695.0	697.2	694.1	0.9
43901	225233.2503	518733.2514	695.0	697.3	694.1	0.9
43902	225237.3456	518730.2840	695.0	697.3	693.8	1.2
43903	225241.4285	518727.5809	695.0	697.4	694.0	1.0
43904	225245.5533	518724.6187	695.0	697.7	693.9	1.1
43905	225249.6357	518721.7788	695.4	698.2	694.4	1.1
43906	225257.0073	518741.0058	695.0	697.8	694.0	1.0
43907	225253.0126	518743.9548	695.0	697.5	694.2	0.8
43908	225248.8202	518746.7787	695.0	697.4	694.1	0.9
43909	225244.7806	518749.5750	695.0	697.3	694.1	0.9
43910	225240.7891	518752.4615	695.0	697.2	694.0	1.0
43911	225236.6707	518755.3045	695.0	697.1	694.0	1.0
43912	225232.5754	518758.1742	695.0	697.2	694.1	0.9
43913	225228.3471	518761.1199	695.0	697.1	693.9	1.1
43914	225224.1790	518763.9457	695.0	697.2	694.0	1.0
43915	225220.2421	518766.8925	695.0	697.1	694.0	1.0
43916	225216.0861	518769.7803	695.0	697.0	693.9	1.1
43917	225212.0503	518772.5909	695.0	697.1	694.0	1.0
43918	225207.9813	518775.4908	695.0	697.0	693.9	1.1
43919	225203.8006	518778.2615	695.0	696.9	693.8	1.2
43920	225199.7221	518781.0670	695.0	696.9	693.8	1.2
43921	225195.6206	518784.0928	695.0	697.0	693.8	1.2
43922	225191.5637	518786.9189	695.0	697.0	693.8	1.2
43923	225187.5383	518789.7810	695.0	697.1	693.9	1.1
43924	225183.3554	518792.6216	695.6	697.4	694.1	1.4
43925	225194.6950	518808.9740	695.5	697.2	694.2	1.4
43926	225198.8695	518806.2406	695.0	697.1	693.6	1.4
43927	225203.0457	518803.3255	695.0	697.0	693.7	1.3
43928	225207.1055	518800.4072	695.0	696.9	693.8	1.2
43929	225211.1289	518797.5406	695.0	697.0	693.9	1.1
43930	225215.3015	518794.6610	695.0	697.0	693.7	1.3

Table E-2

Pond 2
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
43931	225219.3096	518791.8550	695.0	697.1	693.7	1.3
43932	225223.4070	518789.0318	695.0	697.0	694.0	1.0
43933	225227.5025	518786.0105	695.0	697.1	693.8	1.2
43934	225231.5643	518783.2715	695.0	697.1	693.8	1.2
43935	225235.8055	518780.3917	695.0	697.1	693.9	1.1
43936	225239.8249	518777.5257	695.0	697.2	694.0	1.0
43937	225243.9180	518774.5434	695.0	697.1	694.2	0.8
43938	225247.9813	518771.6948	695.0	697.2	694.1	0.9
43939	225252.1152	518768.8925	695.0	697.2	694.1	0.9
43940	225256.1382	518766.0359	695.0	697.2	693.9	1.1
43941	225260.2271	518763.0807	695.0	697.4	693.9	1.1
43942	225264.4597	518760.2990	695.0	697.4	694.1	0.9
43943	225268.5088	518757.3966	695.0	697.7	694.1	0.9
43944	225272.1357	518754.8142	695.3	698.2	694.4	0.9
43946	225280.0682	518773.7975	695.0	697.7	694.1	0.9
43947	225275.9125	518776.6897	695.0	697.5	694.3	0.7
43948	225271.8909	518779.4964	695.0	697.3	694.1	0.9
43949	225267.6057	518782.4231	695.0	697.3	693.9	1.1
43950	225263.6368	518785.2215	695.0	697.2	693.9	1.1
43951	225259.5418	518788.0591	695.0	697.3	693.8	1.2
43952	225255.3906	518790.9632	695.0	697.2	694.0	1.0
43953	225251.2945	518793.8013	695.0	697.2	693.8	1.2
43954	225247.3073	518796.6556	695.0	697.1	693.6	1.4
43955	225243.0287	518799.4689	695.0	697.1	693.6	1.4
43956	225239.0259	518802.3799	695.0	697.1	693.5	1.5
43957	225235.0099	518805.3276	695.0	697.1	693.2	1.8
43958	225230.6742	518808.2927	695.0	697.1	693.5	1.5
43959	225226.6828	518811.0903	695.0	697.1	693.5	1.5
43960	225222.6632	518813.8947	695.0	697.1	693.6	1.4
43961	225218.4852	518816.7987	695.0	697.0	693.4	1.6
43962	225214.4378	518819.7278	695.0	697.0	693.9	1.1
43963	225210.2848	518822.5064	695.0	697.1	693.6	1.4
43964	225206.2457	518825.3669	695.5	697.3	694.0	1.4
43965	225217.6294	518841.8484	695.5	697.3	693.6	1.9
43966	225221.6424	518838.9513	695.0	697.1	693.0	2.0
43967	225225.8971	518835.9398	695.0	697.1	692.9	2.1
43968	225230.0258	518833.2630	695.0	697.0	693.3	1.7
43969	225234.1200	518830.3575	695.0	697.0	693.0	2.0
43970	225238.2764	518827.5224	695.0	697.2	693.3	1.7
43971	225242.1911	518824.5920	695.0	697.2	693.2	1.8
43972	225246.3443	518821.6633	695.0	697.2	693.3	1.7
43973	225250.4489	518818.8748	695.0	697.2	693.1	1.9
43974	225254.4018	518816.0929	695.0	697.2	693.4	1.6

Table E-2

Pond 2
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
43975	225258.7384	518813.1499	695.0	697.2	693.2	1.8
43976	225262.7835	518810.2567	695.0	697.2	693.4	1.6
43977	225266.8050	518807.4630	695.0	697.2	693.4	1.6
43978	225270.8984	518804.5371	695.0	697.3	693.5	1.5
43979	225274.9604	518801.5828	695.0	697.3	693.8	1.2
43980	225279.1524	518798.6807	695.0	697.3	693.9	1.1
43981	225283.1770	518795.8669	695.0	697.4	693.7	1.3
43982	225287.3160	518792.9499	695.0	697.4	694.1	0.9
43983	225291.5581	518790.2695	695.0	697.7	694.2	0.8
43984	225295.6244	518787.2863	695.6	698.3	694.2	1.4
43985	225299.4793	518784.6122	697.1	698.7	694.5	2.7
43986	225306.9896	518803.7804	695.6	698.3	694.2	1.3
43987	225302.9002	518806.5759	695.0	697.8	694.2	0.8
43988	225298.8696	518809.5028	695.0	697.4	693.8	1.2
43989	225294.6894	518812.3542	695.0	697.4	693.9	1.1
43990	225290.5995	518815.2084	695.0	697.3	693.8	1.2
43991	225286.4556	518818.0859	695.0	697.3	693.5	1.5
43992	225282.2917	518820.9687	695.0	697.2	693.7	1.3
43993	225278.3757	518823.6929	695.0	697.1	693.7	1.3
43994	225274.2362	518826.5307	695.0	697.1	693.5	1.5
43995	225270.1087	518829.4575	695.0	697.1	693.6	1.4
43996	225266.1447	518832.2505	695.0	697.2	693.6	1.4
43997	225262.0946	518835.1927	695.0	697.2	693.3	1.7
43998	225257.7219	518838.0922	695.0	697.2	693.1	1.9
43999	225253.8433	518841.0483	695.0	697.1	693.2	1.8
44000	225249.7237	518843.8685	695.0	697.2	693.2	1.8
44001	225245.6507	518846.6752	695.0	697.1	693.4	1.6
44002	225241.6153	518849.6031	695.0	697.1	693.4	1.6
44003	225237.9772	518853.1777	695.0	697.0	693.2	1.8
44004	225233.3294	518855.3127	695.0	697.0	693.6	1.4
44005	225229.1777	518858.2234	695.4	697.3	694.1	1.3
44006	225240.6156	518874.4698	695.3	697.3	693.6	1.7
44007	225244.6393	518871.7627	695.0	697.2	693.5	1.5
44008	225248.7406	518868.8197	695.0	697.1	693.4	1.6
44009	225252.9252	518866.0098	695.0	697.2	693.3	1.7
44010	225257.0432	518863.1762	695.0	697.2	693.3	1.7
44011	225261.1451	518860.1416	695.0	697.2	693.3	1.7
44012	225265.2639	518857.3745	695.0	697.3	693.5	1.5
44013	225269.3064	518854.5480	695.0	697.3	693.5	1.5
44014	225273.3724	518851.6929	695.0	697.3	693.5	1.5
44015	225277.5008	518848.8490	695.0	697.3	693.7	1.3
44016	225281.5779	518846.0202	695.0	697.2	693.6	1.4
44017	225285.6960	518843.1132	695.0	697.1	693.7	1.3

Table E-2

Pond 2
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
44018	225289.7314	518840.2184	695.0	697.2	693.7	1.3
44019	225293.9232	518837.3293	695.0	697.2	693.8	1.2
44020	225297.9041	518834.4326	695.0	697.2	693.7	1.3
44021	225302.0704	518831.5673	695.0	697.2	693.8	1.2
44022	225306.2971	518828.6709	695.0	697.4	693.8	1.2
44023	225310.3547	518825.8424	695.0	697.5	693.9	1.1
44024	225314.3360	518822.8908	695.0	697.7	694.1	0.9
44025	225318.3842	518820.0601	695.6	698.3	694.3	1.3
44026	225322.5520	518817.4446	697.2	699.0	694.6	2.7
44027	225333.9741	518833.7475	697.2	698.8	694.5	2.7
44028	225329.9801	518836.3440	695.7	698.4	694.2	1.4
44029	225325.8501	518839.2493	695.0	697.8	694.0	1.0
44030	225321.7127	518842.1322	695.0	697.4	693.9	1.1
44031	225317.6361	518845.2139	695.0	697.4	693.8	1.2
44032	225313.6101	518847.9713	695.0	697.3	693.7	1.3
44033	225309.5165	518850.8335	695.0	697.3	693.6	1.4
44034	225305.4191	518853.6646	695.0	697.3	693.9	1.1
44035	225301.2447	518856.4703	695.0	697.3	693.6	1.4
44036	225297.1869	518859.4225	695.0	697.3	693.7	1.3
44037	225293.1526	518862.1979	695.0	697.3	693.8	1.2
44038	225289.0740	518865.0641	695.0	697.4	693.6	1.4
44039	225284.9545	518868.0065	695.0	697.4	693.6	1.4
44040	225280.9974	518870.8377	695.0	697.5	693.5	1.5
44041	225276.7392	518873.7761	695.0	697.4	693.3	1.7
44042	225272.7110	518876.5339	695.0	697.4	693.7	1.3
44043	225268.5826	518879.4771	695.0	697.4	693.4	1.6
44044	225265.4128	518882.0587	695.0	697.4	693.1	1.9
44045	225260.3107	518885.1135	695.0	697.3	693.5	1.5
44046	225256.2627	518888.1415	695.0	697.3	693.6	1.4
44047	225252.2066	518890.8242	695.2	697.4	694.0	1.2
44048	225263.5393	518907.2313	695.2	697.7	694.0	1.2
44049	225267.6125	518904.4966	695.0	697.6	693.9	1.1
44050	225271.7676	518901.5424	695.0	697.6	693.7	1.3
44051	225275.7597	518898.6617	695.0	697.6	693.6	1.4
44052	225280.0265	518896.0279	695.0	697.7	693.4	1.6
44053	225284.0631	518892.9172	695.0	697.6	693.4	1.6
44054	225288.1877	518890.1501	695.0	697.6	693.1	1.9
44055	225292.2234	518887.2910	695.0	697.6	693.4	1.6
44056	225296.3545	518884.4605	695.0	697.6	693.6	1.4
44057	225300.4319	518881.6044	695.0	697.6	693.9	1.1
44058	225304.4626	518878.6584	695.0	697.5	693.4	1.6
44059	225308.6340	518875.8426	695.0	697.4	693.3	1.7
44060	225312.7119	518873.0401	695.0	697.4	693.5	1.5

Table E-2

Pond 2
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation⁽¹⁾	Pre-Dredge Elevation⁽²⁾	Post-Dredge Elevation⁽³⁾	Over Dredge⁽⁴⁾
44061	225316.8427	518870.0353	695.0	697.4	693.5	1.5
44062	225320.9737	518867.2088	695.0	697.4	693.5	1.5
44063	225325.0217	518864.3936	695.0	697.4	693.5	1.5
44064	225329.0486	518861.4750	695.0	697.4	693.5	1.5
44065	225333.2355	518858.6545	695.0	697.5	693.3	1.7
44066	225337.3055	518855.7744	695.0	697.7	694.5	0.5
44067	225341.4230	518852.9637	695.6	698.0	694.5	1.1
44068	225345.4398	518850.1394	697.3	698.6	694.3	3.0
44069	225356.8674	518866.4483	697.3	698.5	694.5	2.8
44070	225352.7768	518869.2418	695.6	697.9	694.3	1.4
44071	225348.7139	518872.1470	695.0	697.7	694.4	0.6
44072	225344.7243	518874.8773	695.0	697.4	693.9	1.1
44073	225340.7400	518877.7714	695.0	697.6	693.7	1.3
44074	225336.5678	518880.7315	695.0	697.6	693.7	1.3
44075	225332.2710	518883.5753	695.0	697.6	693.7	1.3
44076	225328.3757	518886.3621	695.0	697.6	693.8	1.2
44077	225324.2752	518889.2720	695.0	697.6	693.4	1.6
44078	225320.2795	518892.1185	695.0	697.6	693.4	1.6
44079	225316.0707	518895.0329	695.0	697.6	693.6	1.4
44080	225311.9804	518897.9171	695.0	697.7	693.6	1.4
44081	225307.9048	518900.6447	695.0	697.7	693.5	1.5
44082	225307.7785	518900.8366	695.0	697.7	693.4	1.6
44083	225303.7952	518903.6254	695.0	697.7	693.6	1.4
44084	225299.6677	518906.5343	695.0	697.7	693.6	1.4
44085	225295.6297	518909.2481	695.0	697.7	693.7	1.3
44086	225291.5175	518912.2893	695.0	697.8	693.4	1.6
44087	225287.4598	518915.0634	695.0	697.8	693.4	1.6
44088	225283.2078	518917.8266	695.0	697.7	693.5	1.5
44089	225279.1277	518920.7737	695.0	697.7	693.6	1.4
44090	225275.0933	518923.7015	695.2	697.9	694.1	1.1
44091	225286.3953	518940.0885	695.2	698.0	693.4	1.7
44092	225290.4841	518937.1826	695.0	698.0	693.1	1.9
44093	225294.7001	518934.2692	695.0	697.9	693.4	1.6
44094	225298.8300	518931.4348	695.0	697.9	693.6	1.4
44095	225302.9059	518928.7335	695.0	697.9	693.8	1.2
44096	225306.9546	518925.8251	695.0	697.9	693.9	1.1
44097	225311.0927	518923.0201	695.0	697.9	693.8	1.2
44098	225315.1521	518920.0643	695.0	697.9	693.6	1.4
44099	225319.4234	518917.1369	695.0	697.8	693.7	1.3
44100	225323.4953	518914.3218	695.0	697.8	693.7	1.3
44101	225327.5464	518911.3724	695.0	697.8	693.7	1.3
44102	225331.5303	518908.6484	695.0	697.8	693.7	1.3
44103	225335.5895	518905.8017	695.0	697.7	693.7	1.3

Table E-2

Pond 2
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
44104	225339.7073	518902.8067	695.0	697.7	693.8	1.2
44105	225343.7776	518899.9183	695.0	697.8	693.9	1.1
44106	225347.8553	518897.0658	695.0	697.7	693.9	1.1
44107	225352.0291	518894.2988	695.0	697.6	694.1	0.9
44108	225356.1462	518891.4159	695.0	697.7	694.1	0.9
44109	225360.2732	518888.4327	695.0	697.7	694.5	0.5
44110	225364.2765	518885.6573	695.7	698.0	694.4	1.3
44111	225375.7631	518901.9287	695.7	698.6	694.2	1.5
44112	225371.7573	518904.7604	695.0	698.1	694.1	0.9
44113	225367.6391	518907.7734	695.0	697.9	694.0	1.0
44114	225363.6132	518910.5898	695.0	697.8	693.9	1.1
44115	225359.5347	518913.5218	695.0	697.8	694.0	1.0
44116	225355.3366	518916.3982	695.0	697.8	693.9	1.1
44117	225351.3641	518919.1611	695.0	697.8	693.7	1.3
44118	225347.2662	518922.0639	695.0	697.8	694.0	1.0
44119	225343.1209	518924.9747	695.0	697.9	693.9	1.1
44120	225338.9508	518927.8985	695.0	697.9	693.7	1.3
44121	225334.8791	518930.7208	695.0	697.9	693.9	1.1
44122	225330.7808	518933.4570	695.0	697.9	694.1	0.9
44123	225326.5935	518936.3789	695.0	697.9	693.8	1.2
44124	225322.5449	518939.2262	695.0	697.9	693.8	1.2
44125	225318.3393	518942.0786	695.0	698.0	693.8	1.2
44126	225314.3277	518944.9856	695.0	698.0	693.7	1.3
44127	225310.2027	518947.8522	695.0	697.9	694.1	0.9
44128	225306.1459	518950.8226	695.0	698.0	694.1	0.9
44129	225302.1518	518953.5512	695.0	698.2	694.1	0.9
44130	225297.9561	518956.3892	695.1	697.7	694.1	1.0
44131	225309.4325	518972.8078	695.0	698.4	693.9	1.1
44132	225313.5007	518970.0182	695.0	698.5	693.6	1.4
44133	225317.5414	518967.1362	695.0	698.6	694.1	0.9
44134	225321.7244	518964.3264	695.0	698.5	694.1	0.9
44135	225325.8489	518961.4489	695.0	698.5	693.9	1.1
44136	225329.9745	518958.6554	695.0	698.5	693.8	1.2
44137	225334.0561	518955.6469	695.0	698.4	693.9	1.1
44138	225338.1700	518952.8835	695.0	698.4	693.7	1.3
44139	225342.2875	518949.9332	695.0	698.4	693.7	1.3
44140	225346.2474	518947.1531	695.0	698.6	693.8	1.2
44141	225350.5225	518944.2409	695.0	698.6	693.9	1.1
44142	225354.4566	518941.3697	695.0	698.5	694.2	0.8
44143	225358.6406	518938.5134	695.0	698.6	694.2	0.8
44144	225362.7613	518935.5909	695.0	698.6	694.2	0.8
44145	225366.9155	518932.7419	695.0	698.6	693.9	1.1
44146	225370.7626	518930.0234	695.0	698.4	693.6	1.4

Table E-2

Pond 2
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
44147	225375.0381	518927.0097	695.0	698.3	693.8	1.2
44148	225379.0501	518924.1954	695.0	698.3	693.7	1.3
44149	225383.0447	518921.3307	695.0	698.4	694.0	1.0
44150	225387.3409	518918.3382	695.8	698.6	694.4	1.3
44151	225402.9002	518931.9025	698.0	700.3	697.5	0.5
44152	225398.7140	518934.8087	697.9	699.9	696.6	1.3
44153	225394.6380	518937.7465	697.9	699.6	696.9	1.0
44154	225390.5217	518940.5001	697.8	699.5	695.8	2.0
44155	225386.4219	518943.4635	697.8	699.4	695.9	1.9
44156	225382.2983	518946.2588	697.7	699.1	694.9	2.8
44157	225378.3623	518949.1621	697.7	699.3	695.6	2.2
44158	225320.9501	518989.2932	697.2	699.4	697.0	0.1
44159	225324.9354	518986.3963	697.2	699.4	695.4	1.8
44160	225329.0939	518983.4856	697.2	699.4	695.2	2.0
44161	225333.1562	518980.6860	697.3	699.5	694.8	2.5
44162	225337.2860	518977.7332	697.3	699.5	694.5	2.8
44163	225341.5066	518975.0835	697.4	699.2	693.7	3.7
44164	225345.7772	518972.1144	697.5	699.3	694.5	3.0
44165	225349.8493	518969.7422	697.6	699.5	694.3	3.4
44166	225353.7612	518966.2625	697.5	699.6	694.3	3.2
44167	225358.0255	518963.8622	697.7	699.7	694.5	3.2
44168	225362.0068	518960.7538	697.6	699.8	694.1	3.5
44169	225300.5310	519003.6081	703.5	702.2	702.3	0.0
44170	225304.5852	519000.6643	701.6	701.3	701.4	0.0
44171	225308.6226	518997.9283	700.6	700.6	700.6	0.0
44172	225312.6441	518994.9842	699.6	700.0	699.6	0.0
44173	225317.1008	518992.9362	699.5	699.7	699.4	0.1
44174	225325.4031	518994.5823	699.9	700.5	699.9	0.0
44175	225336.4606	518991.5154	701.0	701.1	701.0	0.0
44176	225343.9291	518987.0263	701.1	701.2	701.0	0.1
44177	225348.3874	518984.7484	701.4	701.2	701.2	0.0
44178	225352.6224	518982.0665	701.5	701.2	701.4	0.0
44179	225356.5977	518979.0584	701.5	701.3	701.2	0.2
44184	225376.4006	518963.7100	701.9	701.9	702.1	0.0
44185	225378.8611	518959.8195	701.6	701.6	702.2	0.0
44186	225383.5266	518956.6714	701.6	701.6	702.1	0.0
44187	225387.5450	518953.7973	701.2	701.2	701.3	0.0
44188	225391.7083	518951.0794	700.9	700.9	701.0	0.0
44189	225395.6662	518947.8782	700.8	700.8	701.0	0.0
44190	225399.4307	518944.2487	700.7	700.7	700.8	0.0
44191	225403.4915	518941.1297	701.0	701.0	701.0	0.0
44192	225406.9123	518929.0981	700.9	701.0	700.1	0.8
44195	224965.2106	518481.2918	696.6	699.1	694.0	2.5

Table E-2

Pond 2
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
44196	224969.5080	518478.4496	695.0	699.0	694.0	1.0
44197	224973.6548	518475.5397	695.0	699.0	693.9	1.1
44198	224977.7700	518472.6769	695.0	698.9	694.0	1.0
44199	224981.6930	518469.8014	695.0	698.7	694.1	0.9
44200	224985.8782	518466.8828	695.0	698.6	693.8	1.2
44201	224989.9817	518464.0610	695.0	698.6	693.6	1.4
44202	224994.0998	518461.1216	695.0	698.5	693.7	1.3
44203	224998.2321	518458.3500	695.0	698.4	693.6	1.4
44204	225002.3069	518455.4412	695.0	698.4	693.6	1.4
44205	225006.3547	518452.5763	695.0	698.2	693.9	1.1
44206	225010.5396	518449.7378	695.0	698.2	693.7	1.3
44207	225014.6034	518446.9675	695.0	698.0	693.7	1.3
44208	225018.5467	518444.0682	695.0	698.0	693.7	1.3
44209	225022.6563	518441.2347	695.0	697.9	693.6	1.4
44210	225026.8033	518438.2253	695.0	698.0	693.8	1.2
44211	225030.8520	518435.4859	695.0	697.9	693.7	1.3
44212	225034.9972	518432.4191	695.0	697.9	694.0	1.0
44213	225039.1484	518429.6753	695.0	698.0	694.2	0.8
44214	225043.2274	518426.8608	695.0	698.1	693.7	1.3
44215	225047.2638	518424.0897	696.7	698.3	694.4	2.2
44216	225035.8050	518407.6916	696.8	697.4	694.4	2.4
44217	225031.6817	518410.4588	696.8	697.2	694.5	2.4
44218	225027.7111	518413.2642	696.7	697.1	694.3	2.5
44219	225023.5484	518416.1862	696.7	697.1	694.2	2.5
44220	225019.3481	518419.2207	696.6	697.1	694.2	2.3
44221	225015.4460	518422.0852	696.5	697.0	694.4	2.1
44222	225011.2798	518424.8241	696.4	697.1	694.6	1.8
44223	225007.1849	518427.6100	696.4	697.3	693.6	2.8
44224	225003.1689	518430.5408	696.3	697.3	693.5	2.8
44225	224998.9484	518433.2833	696.3	697.7	693.8	2.5
44226	224995.0304	518436.0103	696.2	697.9	693.8	2.4
44227	224990.9018	518439.1154	696.1	698.7	693.6	2.5
44228	224986.7737	518441.9576	696.0	699.6	694.0	2.1
44229	224982.5696	518444.8697	695.9	699.8	693.8	2.1
44230	224978.4094	518447.8014	695.9	700.2	694.5	1.3
44231	224974.4624	518450.6846	695.8	700.1	694.4	1.4
44232	224970.3313	518453.5183	695.7	700.0	694.4	1.4
44233	224966.2242	518456.3188	695.7	700.0	694.4	1.3
44234	224962.0865	518459.1757	695.6	700.2	694.4	1.2
44235	224988.2828	518514.0442	696.4	698.2	694.4	2.0
45001	225288.9145	518987.1996	703.6	702.5	703.2	0.0
45003	225293.0989	518984.2844	701.7	701.4	700.9	0.8
45004	225297.1468	518981.4512	700.0	700.8	698.9	1.2

Table E-2

Pond 2
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
45005	225301.2284	518978.5969	698.4	699.1	696.9	1.5
45006	225305.4483	518975.7071	696.7	698.5	694.7	1.9
45007	225293.9252	518959.3418	696.7	698.0	694.9	1.9
45008	225289.7331	518962.1267	698.4	699.3	697.5	0.9
45009	225285.6901	518965.0085	700.1	700.9	699.6	0.5
45010	225281.5728	518967.8989	701.8	701.6	701.3	0.5
45011	225277.4204	518970.7996	703.7	703.9	703.7	0.0
45016	225274.2897	518948.6740	700.2	701.0	700.2	0.0
45017	225278.3329	518945.8169	698.5	699.6	697.8	0.7
45018	225282.4056	518942.9192	696.8	698.2	695.3	1.5
45019	225270.9857	518926.5717	696.8	698.1	694.7	2.2
45020	225266.6983	518929.4912	698.6	699.4	697.3	1.3
45021	225262.7233	518932.2804	700.2	701.2	699.5	0.7
45022	225258.6747	518935.1492	701.8	701.8	701.5	0.3
45025	225247.1897	518918.7824	701.9	701.7	701.4	0.5
45026	225251.2724	518915.8974	700.2	700.8	699.5	0.7
45027	225255.3801	518913.0225	698.6	699.3	697.0	1.5
45028	225259.4752	518910.2108	696.9	697.9	695.0	1.9
45029	225247.9909	518893.7533	696.9	697.6	695.1	1.9
45030	225243.8507	518896.6858	698.6	699.0	697.4	1.3
45031	225239.7928	518899.5049	700.3	700.8	699.7	0.6
45032	225235.7271	518902.3765	701.9	701.7	701.6	0.3
45035	225224.2881	518886.0272	702.0	701.7	701.3	0.7
45036	225228.3807	518883.1287	700.3	700.9	699.5	0.8
45037	225232.4146	518880.2779	698.7	699.3	697.4	1.3
45038	225236.5208	518877.3487	697.0	697.7	694.9	2.1
45039	225225.1533	518861.0426	697.0	697.6	694.8	2.2
45040	225220.9244	518863.8895	698.7	698.8	697.7	1.1
45041	225216.8856	518866.8340	700.4	701.0	700.0	0.4
45042	225212.7880	518869.6272	702.0	702.0	701.7	0.3
45043	225201.4366	518853.1824	702.1	701.7	701.9	0.0
45044	225205.4408	518850.4241	700.4	701.2	699.9	0.6
45045	225209.5297	518847.4478	698.8	699.9	697.4	1.4
45046	225213.5954	518844.6815	697.1	697.9	695.0	2.1
45047	225202.0759	518828.2803	697.2	698.0	694.9	2.3
45048	225198.0575	518831.1339	698.8	699.6	697.6	1.2
45049	225193.9374	518834.0564	700.5	701.2	700.1	0.4
45050	225189.7956	518836.8510	702.2	702.0	702.0	0.0
45051	225178.3916	518820.4711	702.2	702.0	701.9	0.2
45052	225182.4743	518817.5577	700.5	701.1	700.3	0.3
45053	225186.5883	518814.7771	698.9	699.5	697.6	1.2
45054	225190.7171	518811.8680	697.2	697.6	694.8	2.4
45055	225179.1861	518795.5076	697.3	698.4	694.5	2.7

Table E-2

Pond 2
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
45056	225175.0639	518798.3386	698.9	700.2	697.5	1.4
45057	225170.9875	518801.2501	700.6	701.2	700.3	0.3
45058	225166.8338	518804.0860	702.3	702.5	702.2	0.0
45059	225155.4995	518787.7220	702.3	702.0	702.2	0.0
45060	225159.4821	518784.8538	700.7	701.3	700.5	0.2
45061	225163.6893	518781.9777	699.0	700.0	697.8	1.1
45062	225167.7677	518779.0995	697.3	698.3	695.4	1.8
45063	225156.2511	518762.6881	697.3	698.1	695.2	2.1
45064	225152.1303	518765.5771	699.0	699.9	698.3	0.8
45065	225147.9682	518768.4052	700.7	701.2	700.5	0.2
45066	225143.9359	518771.3103	702.0	702.0	702.4	0.0
45067	225132.4566	518754.9360	702.2	702.2	702.6	0.0
45068	225136.6549	518752.0432	700.7	701.3	700.5	0.2
45069	225140.6232	518749.2125	699.1	700.1	698.2	0.9
45070	225144.7171	518746.2784	697.4	698.0	695.5	2.0
45071	225133.3410	518729.9434	697.4	698.1	695.5	1.9
45072	225129.2566	518732.8398	699.1	699.8	698.2	0.9
45073	225125.1035	518735.7244	700.8	701.3	700.5	0.3
45074	225121.0061	518738.5391	702.5	702.1	702.4	0.0
45075	225109.5495	518722.1250	702.5	702.3	702.5	0.0
45076	225113.6399	518719.2886	700.8	701.4	700.7	0.2
45077	225117.7459	518716.4312	699.2	699.5	698.4	0.8
45078	225121.7933	518713.6289	697.5	698.2	695.6	2.0
45080	225106.2860	518700.0873	699.2	699.4	697.9	1.4
45081	225102.1804	518702.9526	700.9	701.3	700.5	0.4
45082	225098.1486	518705.7227	702.3	702.3	702.9	0.0
45083	225086.6461	518689.3704	702.6	702.1	702.2	0.0
45084	225090.7395	518686.5372	700.9	701.3	700.0	0.9
45085	225094.8174	518683.6135	699.3	699.7	697.5	1.7
45086	225098.9063	518680.7982	697.6	698.1	694.8	2.8
45087	225087.4518	518664.3094	697.6	699.0	694.7	2.9
45088	225083.3725	518667.2430	699.3	700.2	697.2	2.1
45089	225079.2416	518670.1376	701.0	700.8	699.7	1.3
45090	225075.1308	518673.0178	702.7	701.9	702.2	0.0
45091	225063.6378	518656.5974	702.7	701.8	702.3	0.0
45092	225067.7430	518653.7918	701.0	700.9	700.7	0.4
45093	225071.8849	518650.8975	699.4	699.5	698.0	1.4
45094	225075.9297	518648.0303	697.7	698.8	695.1	2.6
45095	225052.2573	518640.2862	702.4	702.4	702.9	0.0
45096	225056.2806	518637.3933	701.1	701.2	700.9	0.2
45097	225060.4650	518634.4841	699.4	699.8	698.2	1.2
45098	225064.5028	518631.6569	697.8	698.1	695.4	2.3
45099	225040.7627	518623.8353	702.8	701.9	702.1	0.0

Table E-2

Pond 2
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
45100	225044.8055	518621.0026	701.1	700.9	700.4	0.7
45101	225048.9647	518618.1407	699.5	699.3	697.5	1.9
45102	225053.0056	518615.2458	697.8	697.7	695.3	2.6
45103	225041.6079	518598.9321	697.8	697.9	695.1	2.7
45104	225037.5396	518601.7486	699.5	699.5	697.8	1.7
45105	225033.3207	518604.5724	701.2	701.1	700.2	1.0
45106	225029.2445	518607.4739	702.9	702.1	702.2	0.0
45107	225017.8114	518591.1359	701.8	701.8	703.2	0.0
45108	225021.8769	518588.2265	701.2	700.8	700.6	0.7
45109	225026.0148	518585.4404	699.6	699.6	697.4	2.1
45110	225030.1656	518582.5271	697.9	698.7	694.7	3.2
45111	225018.5971	518566.1552	698.0	699.2	695.0	2.9
45112	225014.5164	518568.9336	699.6	699.8	697.8	1.8
45113	225010.4869	518571.8356	701.3	701.0	700.6	0.7
45114	225006.3079	518574.7035	702.0	702.0	703.0	0.0
45115	224994.8610	518558.2882	703.0	702.0	702.3	0.0
45116	224998.9893	518555.4540	701.3	701.1	700.3	1.1
45117	225003.1084	518552.5538	699.6	699.5	697.4	2.2
45118	225007.1303	518549.7109	698.0	698.5	694.8	3.3
45119	224995.6923	518533.3052	698.0	698.1	695.3	2.7
45120	224991.6253	518536.2031	699.7	699.3	697.6	2.1
45121	224987.5158	518539.0517	701.4	701.0	700.3	1.1
45122	224983.4220	518541.9409	703.1	702.0	702.5	0.0
45123	224971.9823	518525.5734	703.1	702.1	702.4	0.0
45124	224976.0665	518522.6516	701.4	701.0	700.6	0.8
45125	224980.1143	518519.8367	699.8	699.7	698.1	1.7
45126	224984.2274	518516.9517	698.1	698.7	694.9	3.2
45127	224960.4353	518509.1463	703.2	701.9	702.3	0.0
45128	224964.5089	518506.2806	701.5	700.8	700.2	1.3
45129	224968.6472	518503.4517	699.8	700.5	697.7	2.1
45130	224972.7447	518500.5641	698.1	698.9	694.7	3.5
45131	224948.9716	518492.7571	703.3	703.4	702.5	0.8
45132	224953.0883	518489.9105	701.5	700.7	701.0	0.0
45133	224957.1943	518487.0377	699.9	699.6	698.3	1.6
45134	224961.2891	518484.1959	698.2	699.2	695.4	2.8
45136	224941.6288	518473.5408	701.7	701.7	703.0	0.0
45137	224945.6883	518470.7189	700.7	701.3	700.7	0.0
45138	224949.8188	518467.7928	698.6	700.9	698.6	0.0
45139	224953.8733	518464.9590	697.2	700.6	697.2	0.0
45140	224958.0420	518462.0803	695.5	700.3	694.9	0.6
45143	224934.2739	518454.3012	703.2	703.2	704.0	0.0
45144	224938.3103	518451.3792	702.3	702.3	703.7	0.0
45145	224942.5016	518448.4589	702.0	702.0	702.7	0.0

Table E-2

Pond 2
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
45146	224946.4714	518445.7184	701.8	701.8	703.6	0.0
45147	224950.5096	518442.9038	701.7	701.7	703.7	0.0
45148	224954.7559	518439.8743	701.6	701.6	703.3	0.0
45149	224958.7786	518437.0478	701.4	701.4	703.1	0.0
45150	224962.8651	518434.2164	701.2	701.2	703.0	0.0
45151	224967.0449	518431.3346	701.1	701.1	702.6	0.0
45152	224971.1753	518428.4550	702.6	701.4	702.0	0.0
45153	224975.2822	518425.6359	702.7	701.7	701.1	1.5
45154	224979.3066	518422.7436	702.8	700.8	700.5	2.2
45157	225048.0991	518398.9554	701.7	700.8	701.0	0.0
45158	225043.9951	518401.8859	700.0	698.9	698.2	1.8
45159	225039.9157	518404.7111	698.3	698.3	695.9	2.4
45160	225051.3933	518421.0532	698.4	698.9	696.3	2.1
45161	225055.5264	518418.2774	700.0	699.5	699.0	1.0
45162	225059.5681	518415.3953	701.7	701.1	701.2	0.0
45167	225071.0967	518431.7809	701.7	700.9	701.2	0.0
45168	225067.0081	518434.5890	700.1	699.8	699.1	1.0
45169	225062.8593	518437.5163	698.4	698.8	696.3	2.1
45170	225074.3619	518453.8465	698.4	699.0	695.6	2.8
45171	225077.8532	518450.2176	700.1	700.0	698.3	1.7
45172	225082.5053	518448.1122	701.7	701.2	700.7	1.0
45176	225094.0124	518464.4995	701.8	701.3	701.2	0.5
45177	225089.9271	518467.4089	700.1	700.2	698.9	1.2
45178	225085.8145	518470.2200	698.4	698.8	696.1	2.3
45179	225097.2776	518486.6797	698.4	698.8	696.2	2.2
45180	225101.3505	518483.7849	700.1	700.2	698.7	1.4
45185	225112.7812	518500.1404	700.1	700.3	698.8	1.3
45186	225108.7438	518502.9812	698.5	699.1	696.0	2.5
45187	225120.1776	518519.4163	698.5	698.9	696.5	1.9
45188	225124.3217	518516.5448	700.2	700.5	699.5	0.7
45193	225135.7760	518532.9483	700.2	700.4	699.2	1.0
45194	225131.6815	518535.8190	698.5	698.9	695.9	2.6
45199	225154.6720	518568.3287	698.6	698.6	696.3	2.3
45207	225216.1111	518647.6209	700.4	700.5	698.9	1.5
45208	225211.9792	518650.5635	698.7	699.3	696.0	2.7
45211	225227.5667	518663.9990	700.4	700.6	699.2	1.2
45212	225223.4175	518666.9343	698.7	699.2	695.9	2.8
45215	225239.0540	518680.4425	700.4	700.9	699.5	0.9
45216	225234.9328	518683.3453	698.7	699.6	696.4	2.3
45219	225250.5334	518696.7632	700.4	701.1	699.9	0.6
45220	225246.3875	518699.6973	698.8	699.8	697.3	1.5
45221	225253.7470	518718.9471	697.1	699.0	694.8	2.3
45240	225307.8175	518778.7436	700.5	701.0	699.2	1.3

Table E-2

Pond 2
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
45241	225303.7706	518781.5219	698.9	699.9	696.9	2.0
45244	225319.2467	518795.1290	700.6	701.2	699.9	0.6
45245	225315.2109	518797.9172	698.9	700.1	697.1	1.8
45248	225330.7938	518811.4504	700.6	701.2	699.9	0.7
45249	225326.6356	518814.3429	698.9	700.5	696.9	2.1
45253	225342.2664	518827.7980	700.6	701.2	699.8	0.9
45254	225338.1590	518830.7029	699.0	700.1	696.9	2.0
45255	225349.6505	518847.0641	699.0	700.2	697.1	1.9
45256	225353.7551	518844.2656	700.7	701.2	699.4	1.3
45261	225365.1356	518860.6150	700.7	701.1	699.6	1.1
45262	225361.0383	518863.5581	699.0	699.8	696.9	2.1
45265	225376.6214	518877.0070	700.7	701.3	699.9	0.8
45266	225372.5395	518879.8514	699.0	700.4	697.6	1.4
45267	225368.4872	518882.6392	697.4	698.8	695.1	2.3
45268	225383.9670	518896.2356	699.0	700.4	697.5	1.5
45269	225379.9691	518899.1219	697.4	699.6	695.1	2.3
45270	225388.0909	518893.4524	700.7	701.2	699.9	0.8
45275	225399.6567	518909.7944	700.8	701.2	700.1	0.6
45276	225395.5074	518912.7131	699.1	700.4	698.0	1.1
45277	225391.3799	518915.5387	697.4	699.4	695.4	2.0
45279	225411.0380	518926.1516	701.5	701.5	702.1	0.0
45281	225402.8590	518931.9158	698.0	700.3	697.5	0.5
45282	225398.7236	518934.8430	697.9	699.9	696.4	1.6
45309	225273.3886	518729.6569	700.7	701.3	700.7	0.0
45310	225269.3351	518732.4474	698.8	700.3	698.1	0.7
45311	225265.1918	518735.3554	697.1	699.1	695.3	1.9
45312	225261.1065	518738.2009	695.5	698.3	694.1	1.4
45317	225284.9745	518745.9032	700.5	701.1	699.8	0.7
45318	225280.7547	518748.8683	698.8	700.0	697.4	1.4
45319	225277.9086	518750.7917	697.7	699.1	695.6	2.1
45320	225288.1192	518768.0008	697.2	698.7	694.7	2.5
45321	225284.1127	518770.7524	695.6	698.2	693.6	2.0
45322	225292.3186	518765.3023	698.9	700.0	697.0	1.9
45323	225296.3418	518762.3535	700.5	701.0	699.6	1.0
48526	225415.1590	518923.3145	702.6	702.7	702.6	0.0
48527	225404.3359	518906.3233	702.7	702.1	702.7	0.0
48544	225393.1558	518889.7475	702.1	702.1	702.9	0.0
48545	225381.9291	518873.3276	702.2	702.2	703.1	0.0
48562	225369.1974	518857.7515	702.3	701.7	702.1	0.0
48563	225358.6123	518840.7719	702.7	702.0	702.5	0.0
48580	225347.2847	518824.2934	702.7	702.0	702.6	0.0
48581	225336.0181	518807.8723	702.2	702.2	702.8	0.0
48599	225323.3634	518792.3142	702.0	702.0	702.3	0.0

Table E-2

Pond 2
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
48600	225313.0720	518775.0193	701.9	701.9	702.7	0.0
48618	225302.0619	518758.3221	702.8	702.0	702.4	0.0
48619	225291.6307	518741.2095	703.4	702.2	702.9	0.0
48638	225277.4944	518726.6508	702.3	702.3	703.0	0.0
48639	225265.9902	518710.3051	701.8	701.8	702.9	0.0
48658	225255.6463	518693.1403	702.5	702.5	702.9	0.0
48659	225244.4909	518676.4854	702.3	702.3	702.9	0.0
48752	225140.9445	518529.2709	701.8	701.8	703.0	0.0
48753	225129.3640	518513.0677	701.9	701.9	702.6	0.0
48772	225118.1694	518496.3523	702.3	701.9	702.1	0.0
48773	225107.3466	518479.6065	702.5	701.9	702.2	0.0
48864	225265.9695	518954.3645	704.0	704.1	704.0	0.0
48865	225270.1091	518951.5591	701.7	701.7	703.1	0.0
48866	225256.1041	518936.9823	703.4	703.4	703.8	0.0
48867	225254.5521	518937.9679	704.0	704.4	704.0	0.0
48880	225243.0870	518921.6655	703.7	703.7	704.0	0.0
48881	225231.6266	518905.2818	703.9	703.9	703.4	0.5
48909	225187.0330	518838.9011	703.6	703.6	704.4	0.0
48925	225175.3336	518822.6950	703.5	703.5	704.1	0.0
48941	225152.6657	518789.7327	703.9	703.9	704.5	0.0
48942	225141.0956	518773.3241	703.9	703.9	704.6	0.0
48957	225130.6139	518756.3394	703.4	703.4	704.9	0.0
48988	225072.8104	518674.6072	703.6	703.6	704.5	0.0
49085	224937.5192	518476.4634	703.8	703.8	704.3	0.0

Notes:

- (1) Design elevation defined from the impoundment design limits adjusted to field conditions
- (2) Pre-dredge elevations defined from pre-dredge verification survey
- (3) Post-dredge elevations defined from post-dredge verification survey
- (4) Over-dredge calculated from comparing the post-dredge survey to the impoundment design limits

Table E-3

Pond 3
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
35140	225205.4539	519094.4879	702.8	702.2	702.2	0.6
35141	225201.3398	519097.3686	703.3	702.8	702.8	0.4
35142	225197.2465	519100.2397	704.8	704.8	704.8	0.0
35157	225173.4650	519092.4313	703.6	703.6	703.6	0.0
35158	225157.9110	519078.9746	704.6	704.5	704.5	0.1
35169	225146.4455	519062.5345	704.1	703.9	703.9	0.2
35170	225134.9694	519046.1853	703.7	703.1	703.1	0.6
35416	225234.1403	519074.5471	702.5	702.0	702.0	0.5
35417	225225.8285	519080.1163	702.5	701.9	701.9	0.6
35418	225222.0447	519083.1486	702.6	701.8	701.8	0.8
35419	225217.7641	519086.0145	702.6	701.5	701.5	1.1
35420	225213.3934	519088.7694	702.5	701.4	701.4	1.1
35421	225209.4321	519091.6542	702.6	701.8	701.8	0.8
35422	225205.4970	519094.4841	702.8	702.2	702.2	0.6
40024	224896.6144	518505.1787	701.7	702.4	698.1	3.6
40025	224892.4676	518508.0730	700.0	702.5	696.6	3.4
40026	224892.5721	518507.9924	700.0	702.5	696.6	3.4
40027	224888.8401	518510.5960	698.5	702.5	694.6	3.9
40028	224882.6120	518515.0680	695.9	702.6	695.7	0.2
40029	224880.3489	518516.5514	695.9	702.5	695.0	0.9
40030	224876.1342	518519.4546	695.9	702.6	694.9	1.0
40031	224871.8440	518522.2646	696.0	702.6	694.8	1.2
40032	224867.9473	518525.2197	696.0	702.7	694.6	1.4
40037	224876.6944	518494.3657	702.8	702.5	701.7	1.2
40038	224872.3211	518497.6257	702.6	702.8	701.4	1.3
40039	224868.6954	518500.1412	702.6	702.7	700.4	2.2
40040	224864.4517	518502.8427	702.7	702.7	700.7	2.1
40041	224860.5598	518505.9630	702.6	702.7	700.8	1.8
40042	224856.2398	518508.4035	702.8	702.8	701.3	1.5
40043	224852.2819	518511.6223	702.7	702.7	701.1	1.6
40044	224848.3819	518514.7337	702.6	702.7	700.6	1.9
40045	224844.0830	518517.4367	702.7	702.7	700.7	2.0
40046	224839.9255	518520.3537	702.7	702.8	700.5	2.1
40047	224835.9092	518523.0153	702.7	702.9	700.4	2.4
40048	224831.9327	518525.9935	702.7	702.9	700.0	2.7
40049	224827.7490	518528.9366	702.7	703.0	700.0	2.6
40050	224823.6416	518531.8125	702.7	703.0	700.4	2.2
40051	224819.5470	518534.6369	702.7	703.1	700.6	2.1
40052	224815.4556	518537.5258	702.7	703.3	700.9	1.8
40053	224811.2933	518540.2987	702.7	703.5	701.6	1.2
40054	224807.2370	518543.0955	702.7	703.5	701.8	1.0
40055	224803.1546	518546.0054	702.7	703.4	701.5	1.2
40056	224799.0074	518548.8993	704.9	704.9	704.0	0.9
40059	224908.0070	518521.5982	701.5	702.4	698.7	2.8

Table E-3

Pond 3
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
40060	224903.9303	518524.3349	699.9	702.5	697.7	2.2
40061	224899.9081	518527.2349	698.3	702.6	695.8	2.5
40062	224895.7346	518530.1336	696.6	702.6	694.9	1.6
40065	224919.4769	518537.8174	701.5	702.5	697.9	3.6
40066	224915.3881	518540.6666	699.9	702.5	697.6	2.3
40067	224911.2735	518543.6232	698.2	702.5	695.7	2.5
40068	224907.2776	518546.4930	696.5	702.5	694.7	1.8
40069	224903.1144	518549.2990	695.0	702.5	694.6	0.4
40072	224930.7861	518554.2634	701.4	702.3	697.4	4.1
40073	224926.9097	518557.0884	699.8	702.2	696.9	2.9
40074	224922.6720	518560.0401	698.1	702.3	696.1	2.0
40077	224942.4532	518570.6438	701.4	701.8	696.6	4.8
40078	224938.3490	518573.4280	699.7	701.7	695.3	4.4
40080	224957.9742	518584.0683	703.0	701.7	699.6	3.4
40081	224953.9156	518587.0659	701.3	701.5	696.2	5.2
40082	224949.8078	518589.7611	699.7	701.1	695.4	4.3
40083	224944.6224	518592.8551	697.7	700.8	694.9	2.8
40085	224969.5108	518600.5758	702.9	701.3	699.6	3.4
40086	224965.3954	518603.3091	701.3	700.7	695.5	5.8
40088	224980.9269	518616.9319	702.9	700.8	698.8	4.1
40089	224976.8976	518619.6002	701.3	700.2	694.8	6.5
40091	224991.9502	518633.6238	702.6	700.1	697.3	5.3
40092	224988.3524	518636.2479	701.2	699.3	695.1	6.0
40096	225015.3911	518666.0094	702.7	700.9	699.9	2.8
40097	225011.2650	518668.9443	701.0	699.8	696.7	4.4
40099	225026.9693	518682.3360	702.7	701.0	700.3	2.4
40100	225022.7319	518685.3776	701.0	699.5	696.0	5.0
40102	225038.3502	518698.7619	702.6	701.1	699.3	3.3
40103	225034.0178	518701.7776	700.9	699.5	698.0	2.8
40116	225049.6838	518715.2034	702.5	701.8	701.4	1.1
40117	225045.6302	518718.0481	700.9	700.3	699.3	1.5
40118	225041.6288	518720.9766	699.2	699.3	695.9	3.3
40120	225061.1885	518731.5825	702.5	701.8	701.6	0.9
40121	225057.1338	518734.3741	700.8	700.7	700.2	0.6
40122	225053.1522	518737.2581	699.2	699.4	697.6	1.6
40124	225072.6738	518747.9983	702.4	702.0	701.7	0.7
40125	225068.6141	518750.8841	700.7	700.5	699.4	1.3
40126	225064.6231	518753.6440	699.1	699.0	696.8	2.4
40128	225084.1656	518764.4404	702.3	701.8	701.6	0.7
40129	225080.0819	518767.1408	700.7	700.6	700.4	0.3
40130	225075.9744	518770.0968	699.0	699.0	697.7	1.3
40137	224805.9905	518583.0053	697.6	701.4	694.5	3.0
40138	224799.8504	518594.5834	701.5	701.5	698.5	3.0
40139	224813.0296	518612.3047	701.4	700.8	696.6	4.8

Table E-3

**Pond 3
Survey Verification**

**Black Dog Generating Plant
Xcel Energy**

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
40140	224816.8400	518609.4800	699.8	700.5	694.5	5.3
40141	224814.5600	518562.1650	696.1	702.8	693.4	2.7
40142	224810.6910	518565.3890	696.0	702.8	693.7	2.3
43000	224818.5347	518559.4549	696.1	703.2	693.8	2.3
43001	224823.0081	518556.6318	696.0	703.2	693.8	2.2
43002	224827.0476	518554.0481	696.0	703.1	693.6	2.3
43003	224830.7924	518551.1458	696.0	703.1	693.7	2.3
43004	224834.9896	518548.2822	696.0	702.9	693.8	2.2
43005	224839.3205	518545.4707	695.9	702.9	693.8	2.2
43006	224843.2620	518542.3623	696.0	702.8	693.8	2.2
43007	224847.2909	518539.3728	696.1	702.7	693.9	2.2
43008	224851.3125	518536.6023	696.0	702.7	694.1	2.0
43009	224855.3020	518533.8591	696.0	702.7	694.0	2.0
43010	224859.5969	518530.6914	696.1	702.7	694.0	2.1
43011	224863.9009	518528.1335	695.9	702.7	693.8	2.2
43012	224891.4714	518532.8852	695.0	702.6	694.4	0.6
43013	224887.4694	518535.8364	695.0	702.6	694.1	0.9
43014	224883.4588	518538.7805	695.0	702.6	694.0	1.0
43015	224879.3068	518541.4422	695.0	702.6	693.9	1.1
43016	224875.1477	518544.6889	695.0	702.5	694.0	1.0
43017	224871.0503	518547.3715	695.0	702.5	693.9	1.1
43018	224867.1853	518550.0674	695.0	702.5	694.1	0.9
43019	224862.8637	518553.0630	695.0	702.6	694.0	1.0
43020	224858.9182	518555.9018	695.0	702.6	694.0	1.0
43021	224855.0290	518558.6459	695.0	702.6	693.8	1.2
43022	224850.5865	518561.6384	695.0	702.7	693.7	1.3
43023	224846.5190	518564.5862	695.0	702.7	693.8	1.2
43024	224842.5851	518567.2953	695.0	702.7	693.8	1.2
43025	224838.5237	518570.1894	695.0	702.8	693.8	1.2
43026	224834.4082	518573.0136	695.0	702.6	693.8	1.2
43027	224830.2269	518575.9510	695.0	702.3	693.8	1.2
43028	224826.0596	518578.7326	695.0	702.1	693.8	1.2
43029	224822.1152	518581.6814	695.0	702.4	694.1	0.9
43030	224817.9997	518584.4329	695.0	702.4	694.1	0.9
43031	224813.7930	518587.4333	696.3	701.3	694.2	2.1
43032	224809.7884	518590.1241	697.9	700.4	694.6	3.4
43033	224805.7124	518593.2192	699.6	700.5	694.5	5.2
43034	224821.1331	518606.7021	698.1	700.2	694.0	4.1
43035	224825.1786	518603.9242	696.5	700.4	693.8	2.7
43036	224829.2534	518601.0024	695.0	700.5	693.9	1.1
43037	224833.3950	518598.0662	695.0	701.1	693.8	1.2
43038	224837.6071	518595.2319	695.0	701.5	693.9	1.1
43039	224841.8157	518592.3065	695.0	702.1	693.9	1.1
43040	224845.6576	518589.5812	695.0	702.3	694.0	1.0

Table E-3

Pond 3
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
43041	224849.7387	518586.7355	695.0	702.4	694.0	1.0
43042	224853.8722	518583.5827	695.0	702.4	693.9	1.1
43043	224858.0643	518580.8893	695.0	702.5	694.0	1.0
43044	224862.1575	518577.9807	695.0	702.5	693.9	1.1
43045	224866.1833	518575.0255	695.0	702.5	694.0	1.0
43046	224870.4586	518572.3666	695.0	702.5	694.0	1.0
43047	224874.3235	518569.4831	695.0	702.5	694.1	0.9
43048	224878.4214	518566.5002	695.0	702.6	693.9	1.1
43049	224882.4988	518563.5823	695.0	702.5	694.0	1.0
43050	224886.8640	518560.8297	695.0	702.5	694.0	1.0
43051	224890.8864	518557.8139	695.0	702.4	694.1	0.9
43052	224894.8714	518554.9741	695.0	702.5	693.9	1.1
43053	224899.0914	518552.1950	695.0	702.5	694.2	0.8
43054	224918.6511	518562.9135	696.4	702.4	694.0	2.5
43055	224914.5908	518565.6557	695.0	702.3	694.0	1.0
43056	224910.6349	518568.4937	695.0	702.3	693.9	1.1
43057	224906.3757	518571.4334	695.0	702.1	693.9	1.1
43058	224902.1791	518574.3861	695.0	702.1	694.0	1.0
43059	224898.1556	518577.1892	695.0	702.1	694.0	1.0
43060	224894.1611	518580.1913	695.0	701.8	693.8	1.2
43061	224890.0642	518582.9185	695.0	701.4	694.1	0.9
43062	224885.8445	518585.7205	695.0	700.8	694.1	0.9
43063	224881.8636	518588.7469	695.0	700.8	694.1	0.9
43064	224877.7430	518591.4737	695.0	701.2	694.0	1.0
43065	224873.6744	518594.4726	695.0	701.7	694.1	0.9
43066	224869.4510	518597.2823	695.0	702.0	693.9	1.1
43067	224865.4412	518599.8844	695.0	702.2	693.9	1.1
43068	224861.4442	518603.0185	695.0	702.3	694.2	0.8
43069	224857.2848	518605.9217	695.0	702.4	694.0	1.0
43070	224853.3012	518608.8702	695.0	702.3	694.1	0.9
43071	224848.9679	518611.5230	695.0	702.0	694.3	0.7
43072	224844.9610	518614.5181	695.0	701.9	694.0	1.0
43073	224840.8524	518617.4974	695.0	701.9	694.0	1.0
43074	224836.8109	518620.2374	696.5	701.9	694.1	2.5
43075	224848.0698	518636.4650	696.7	700.7	694.1	2.5
43076	224852.2705	518633.5546	695.0	700.3	694.1	0.9
43077	224856.4404	518631.0089	695.0	700.3	694.1	0.9
43079	224864.8073	518625.1162	695.0	700.2	694.0	1.0
43080	224868.7154	518622.1071	695.0	700.2	693.9	1.1
43081	224872.9287	518619.3233	695.0	700.2	693.9	1.1
43082	224876.9662	518616.5047	695.0	700.0	694.0	1.0
43083	224881.1243	518613.8230	695.0	699.8	693.8	1.2
43084	224885.0317	518610.6596	695.0	699.6	693.7	1.3
43085	224889.2874	518607.7591	695.0	699.6	693.8	1.2

Table E-3

Pond 3
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
43086	224893.1964	518605.0615	695.0	699.6	694.1	0.9
43087	224897.2870	518602.1466	695.0	699.8	693.9	1.1
43088	224901.3391	518599.2266	695.0	699.9	694.1	0.9
43089	224905.6479	518596.3705	695.0	700.4	693.8	1.2
43090	224909.8912	518593.4625	695.0	700.9	693.6	1.4
43091	224913.9146	518590.6290	695.0	700.8	693.9	1.1
43092	224917.8764	518587.6993	695.0	701.0	693.9	1.1
43093	224921.9306	518584.8266	695.0	701.2	693.8	1.2
43094	224926.0866	518581.9990	695.0	701.4	693.9	1.1
43095	224930.1509	518579.0786	696.4	701.6	693.8	2.6
43096	224934.2404	518576.4443	698.0	701.6	694.4	3.7
43097	224941.6901	518595.6612	696.3	700.4	694.0	2.3
43098	224937.5147	518598.7658	695.0	700.4	694.1	0.9
43099	224933.4306	518601.5593	695.0	700.2	694.0	1.0
43100	224929.1287	518604.2985	695.0	700.2	694.0	1.0
43101	224925.3015	518607.0546	695.0	700.1	694.0	1.0
43102	224921.1492	518609.9503	695.0	699.9	693.6	1.4
43103	224917.0698	518612.7851	695.0	699.7	693.8	1.2
43104	224912.9610	518615.7470	695.0	699.4	693.8	1.2
43105	224908.8437	518618.5778	695.0	699.3	694.1	0.9
43106	224904.8890	518621.2778	695.0	699.2	693.8	1.2
43107	224900.8173	518624.2478	695.0	699.0	694.1	0.9
43108	224896.4696	518627.2186	695.0	698.9	694.2	0.8
43109	224892.4498	518629.9727	695.0	698.9	694.0	1.0
43110	224888.4559	518632.9430	695.0	698.7	694.2	0.8
43111	224884.3079	518635.7626	695.0	698.6	693.9	1.1
43112	224880.2638	518638.6684	695.0	698.8	693.9	1.1
43113	224876.1903	518641.4798	695.0	698.9	693.7	1.3
43114	224871.8919	518644.3170	695.0	699.0	693.9	1.1
43115	224867.8590	518647.2303	695.0	699.2	693.8	1.2
43116	224863.7877	518649.9722	695.1	699.4	694.1	1.0
43117	224859.7376	518652.8595	696.7	699.7	694.1	2.7
43118	224871.2253	518669.1967	696.8	698.8	694.1	2.7
43119	224875.1170	518666.6289	695.3	698.7	694.1	1.2
43120	224879.4126	518663.7246	695.0	698.6	694.2	0.8
43121	224883.5465	518660.7849	695.0	698.6	693.9	1.1
43122	224887.5132	518657.9971	695.0	698.4	693.9	1.1
43123	224891.7332	518655.0175	695.0	698.5	693.9	1.1
43124	224895.8233	518652.1849	695.0	698.5	694.1	0.9
43125	224899.7826	518649.2125	695.0	698.6	693.7	1.3
43126	224903.8154	518646.4614	695.0	698.6	692.7	2.3
43127	224908.0873	518643.7408	695.0	698.6	692.7	2.3
43128	224912.2461	518640.6436	695.0	698.7	692.9	2.1
43129	224916.1786	518637.9952	695.0	698.7	692.6	2.4

Table E-3

Pond 3
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
43130	224920.1781	518635.0892	695.0	698.8	693.5	1.5
43131	224924.5518	518632.1072	695.0	699.0	693.6	1.4
43132	224928.5444	518629.2956	695.0	699.2	693.9	1.1
43133	224932.5348	518626.4030	695.0	699.4	693.7	1.3
43134	224936.6912	518623.4790	695.0	699.5	693.6	1.4
43135	224940.8002	518620.5320	695.0	699.7	693.8	1.2
43136	224944.9002	518617.7275	695.0	699.7	693.7	1.3
43137	224948.9489	518615.0331	695.0	700.0	693.5	1.5
43138	224953.1760	518612.0616	696.3	699.9	693.7	2.6
43139	224957.2257	518609.0370	698.0	700.2	693.3	4.7
43140	224961.1860	518606.2616	699.6	700.5	693.8	5.8
43141	224972.7774	518622.5147	699.6	699.8	693.9	5.7
43142	224968.6589	518625.4559	697.9	699.7	694.0	3.9
43143	224964.5927	518628.5392	696.2	699.5	693.7	2.4
43144	224960.3968	518631.2510	695.0	699.4	693.9	1.1
43145	224956.2258	518634.1557	695.0	698.3	693.2	1.8
43146	224952.2846	518636.9816	695.0	698.7	693.4	1.6
43147	224948.2609	518639.9178	695.0	699.2	694.0	1.0
43148	224944.1764	518642.7102	695.0	699.1	693.8	1.2
43149	224939.9068	518645.5773	695.0	698.9	693.8	1.2
43150	224935.8866	518648.2988	695.0	698.8	693.8	1.2
43151	224931.9053	518651.4432	695.0	698.7	693.2	1.8
43152	224927.7709	518654.1705	695.0	698.5	692.8	2.2
43153	224923.6611	518657.0320	695.0	698.4	693.7	1.3
43154	224919.4925	518659.8420	695.0	698.4	693.8	1.2
43155	224915.3367	518662.7142	695.0	698.4	693.8	1.2
43156	224911.2547	518665.6622	695.0	698.4	693.7	1.3
43157	224907.1092	518668.4660	695.0	698.4	693.8	1.2
43158	224903.0760	518671.4632	695.0	698.4	693.9	1.1
43159	224899.0111	518674.1073	695.0	698.3	693.8	1.2
43160	224895.0199	518677.1271	695.0	698.2	694.0	1.0
43161	224890.7649	518679.9195	695.0	698.1	694.1	0.9
43162	224886.6017	518682.7985	695.4	698.1	693.9	1.5
43163	224882.6825	518685.7448	697.0	698.3	693.6	3.4
43164	224894.1345	518702.0709	697.1	698.1	694.4	2.7
43165	224898.1247	518699.2389	695.5	698.0	694.0	1.5
43166	224902.4389	518696.5310	695.0	698.0	693.9	1.1
43167	224906.3733	518693.4844	695.0	698.1	693.7	1.3
43168	224910.6395	518690.5751	695.0	698.1	693.8	1.2
43169	224914.6069	518687.7981	695.0	698.2	693.9	1.1
43170	224918.5971	518684.8601	695.0	698.1	693.8	1.2
43171	224922.9695	518682.1279	695.0	698.0	693.7	1.3
43172	224926.9021	518679.2764	695.0	698.1	693.9	1.1
43173	224930.9605	518676.4041	695.0	698.2	693.8	1.2

Table E-3

Pond 3
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
43174	224935.0070	518673.3497	695.0	698.2	693.9	1.1
43175	224939.2798	518670.5946	695.0	698.4	693.5	1.5
43176	224943.3159	518667.6909	695.0	698.5	693.8	1.2
43177	224947.4119	518664.8813	695.0	698.6	693.6	1.4
43178	224951.5782	518661.9658	695.0	698.8	694.1	0.9
43179	224955.7049	518659.0908	695.0	698.8	693.9	1.1
43180	224959.5495	518656.2956	695.0	699.0	694.0	1.0
43181	224963.6529	518653.3794	695.0	698.8	693.8	1.2
43182	224967.7902	518650.6418	695.0	698.8	693.9	1.1
43183	224971.8706	518647.6445	695.0	698.9	693.2	1.8
43184	224975.9052	518644.8483	696.1	698.9	693.6	2.6
43185	224980.1593	518641.8866	697.8	699.1	693.5	4.3
43186	224984.2302	518638.9746	699.5	699.1	694.0	5.5
43188	224995.7413	518655.4018	699.5	699.0	693.4	6.1
43189	224991.4675	518658.4275	697.7	698.7	693.3	4.4
43190	224987.3422	518661.1127	696.1	698.6	693.2	2.9
43191	224983.3600	518664.0903	695.0	698.7	693.2	1.8
43192	224979.3144	518666.7343	695.0	698.7	693.5	1.5
43193	224975.2358	518669.7494	695.0	698.7	693.8	1.2
43194	224971.0690	518672.6714	695.0	698.8	693.6	1.4
43195	224967.1371	518675.2797	695.0	698.6	693.6	1.4
43196	224962.9609	518678.4185	695.0	698.5	693.5	1.5
43197	224958.7725	518681.0989	695.0	698.3	693.7	1.3
43198	224954.6461	518684.0618	695.0	698.3	693.6	1.4
43199	224950.6803	518686.8168	695.0	698.2	693.7	1.3
43200	224946.6435	518689.8170	695.0	698.1	693.8	1.2
43201	224942.4344	518692.6756	695.0	698.1	693.7	1.3
43202	224938.3467	518695.6640	695.0	698.1	693.8	1.2
43203	224934.3137	518698.3662	695.0	698.1	693.9	1.1
43204	224930.2397	518701.2634	695.0	698.0	693.9	1.1
43205	224926.1483	518704.0507	695.0	698.0	693.9	1.1
43206	224921.9795	518707.0143	695.0	697.9	693.7	1.3
43207	224917.8611	518709.9246	695.0	697.9	693.7	1.3
43208	224913.7504	518712.8392	695.0	697.8	693.9	1.1
43209	224909.7133	518715.6579	695.6	697.7	694.0	1.6
43210	224905.4985	518718.5742	697.3	697.7	694.2	3.1
43211	224917.0085	518734.8698	697.6	697.5	693.9	3.6
43212	224921.1679	518731.9585	695.9	697.6	693.8	2.0
43213	224925.3331	518729.1686	695.0	697.7	693.8	1.2
43214	224929.4344	518726.2457	695.0	697.8	693.8	1.2
43215	224933.4188	518723.4451	695.0	697.9	693.8	1.2
43216	224937.3697	518720.6082	695.0	698.0	693.7	1.3
43217	224941.5758	518717.6609	695.0	698.1	693.8	1.2
43218	224945.7594	518714.8195	695.0	698.1	693.8	1.2

Table E-3

Pond 3
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
43219	224949.8387	518712.0512	695.0	698.1	693.7	1.3
43220	224953.9503	518709.1389	695.0	698.1	693.8	1.2
43221	224957.9560	518706.1813	695.0	698.1	693.7	1.3
43222	224962.1096	518703.3587	695.0	698.2	693.7	1.3
43223	224966.1606	518700.3471	695.0	698.2	693.8	1.2
43224	224970.2744	518697.5796	695.0	698.2	693.7	1.3
43225	224974.3760	518694.6777	695.0	698.3	693.8	1.2
43226	224978.4872	518691.8302	695.0	698.4	693.7	1.3
43227	224982.5769	518689.1488	695.0	698.5	693.7	1.3
43228	224986.5890	518686.1962	695.0	698.6	693.5	1.5
43229	224990.8068	518683.2638	695.0	698.7	693.6	1.4
43230	224994.9025	518680.2909	695.0	698.9	693.5	1.5
43231	224998.9272	518677.6348	696.0	698.7	693.3	2.8
43232	225003.1930	518674.7179	697.7	698.7	692.9	4.8
43233	225007.0485	518671.8521	699.3	699.1	693.3	6.0
43234	225018.6128	518688.0487	699.3	698.7	693.3	6.1
43235	225014.5032	518691.2434	697.6	698.4	692.5	5.1
43236	225010.3685	518693.9686	696.0	698.3	693.2	2.8
43237	225006.4127	518696.7375	695.0	698.3	693.7	1.3
43238	225002.1732	518699.6178	695.0	698.1	693.9	1.1
43239	224998.1179	518702.4582	695.0	698.0	693.8	1.2
43240	224994.0234	518705.4870	695.0	697.9	693.4	1.6
43241	224989.9832	518708.1529	695.0	698.0	693.4	1.6
43242	224985.8352	518711.1316	695.0	698.0	693.4	1.6
43243	224981.9593	518714.0382	695.0	698.0	693.0	2.0
43244	224977.7710	518717.0377	695.0	697.8	693.3	1.7
43245	224973.5508	518719.7229	695.0	697.8	693.5	1.5
43246	224969.4945	518722.7660	695.0	697.7	693.5	1.5
43247	224965.2504	518725.4283	695.0	697.7	693.5	1.5
43248	224961.3898	518728.3346	695.0	697.7	693.8	1.2
43249	224957.3250	518731.2696	695.0	697.7	694.0	1.0
43250	224953.0812	518733.9934	695.0	697.5	693.7	1.3
43251	224949.1123	518736.7440	695.0	697.4	693.5	1.5
43252	224945.0380	518739.7700	695.0	697.3	693.6	1.4
43253	224940.8315	518742.6454	695.0	697.3	693.6	1.4
43254	224936.7687	518745.5530	695.0	697.2	693.6	1.4
43255	224932.5957	518748.4133	696.2	697.2	694.0	2.3
43256	224928.6703	518751.3487	697.9	697.3	694.3	3.5
43257	224944.0574	518764.7464	696.5	696.7	693.9	2.6
43258	224940.1003	518767.5716	698.1	697.0	694.3	3.8
43259	224948.1441	518761.8775	695.0	696.7	693.7	1.3
43260	224952.2576	518759.0536	695.0	696.9	693.7	1.3
43261	224956.3639	518756.1119	695.0	697.1	693.6	1.4
43262	224960.4799	518753.5021	695.0	697.4	693.6	1.4

Table E-3

Pond 3
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
43263	224964.6364	518750.4488	695.0	697.5	693.8	1.2
43264	224968.6278	518747.6170	695.0	697.6	693.7	1.3
43265	224972.7015	518744.8536	695.0	697.7	693.5	1.5
43266	224976.9578	518741.9418	695.0	697.7	693.6	1.4
43267	224981.0116	518738.8672	695.0	697.8	693.6	1.4
43268	224984.9392	518736.0958	695.0	697.9	693.3	1.7
43269	224989.0723	518733.2632	695.0	697.9	693.3	1.7
43270	224993.3756	518730.3416	695.0	698.0	693.4	1.6
43271	224997.4031	518727.3405	695.0	698.0	693.0	2.0
43272	225001.6014	518724.6441	695.0	698.1	691.8	3.2
43273	225005.7286	518721.7994	695.0	698.2	693.0	2.0
43274	225009.5770	518718.9777	695.0	698.1	693.6	1.4
43275	225013.6642	518716.0356	695.0	698.1	693.6	1.4
43276	225017.7910	518713.0495	695.0	698.3	693.5	1.5
43277	225021.8697	518710.3466	695.9	698.2	693.4	2.5
43278	225025.9174	518707.4074	697.6	698.2	693.8	3.7
43279	225029.9836	518704.5773	699.2	698.7	694.0	5.3
43280	225037.6096	518723.8105	697.6	698.8	693.6	3.9
43281	225033.2954	518726.7387	695.8	698.8	693.6	2.2
43282	225029.2041	518729.5508	695.0	698.7	693.4	1.6
43283	225025.1542	518732.4545	695.0	698.7	693.5	1.5
43284	225021.0053	518735.2954	695.0	698.7	693.5	1.5
43285	225016.9580	518738.1473	695.0	698.6	693.8	1.2
43286	225012.8715	518740.9384	695.0	698.5	693.5	1.5
43287	225008.7489	518743.9127	695.0	698.5	692.7	2.3
43288	225004.8679	518746.8456	695.0	698.4	692.5	2.5
43289	225000.6502	518749.6639	695.0	698.3	692.8	2.2
43290	224996.4592	518752.6238	695.0	698.1	692.9	2.1
43291	224992.4613	518755.6115	695.0	698.1	693.3	1.7
43292	224988.2138	518758.2137	695.0	698.0	693.5	1.5
43293	224984.2973	518761.0995	695.0	697.9	693.5	1.5
43294	224980.1649	518763.9698	695.0	697.8	693.5	1.5
43295	224975.9689	518766.7790	695.0	697.5	693.7	1.3
43296	224971.7835	518769.7201	695.0	697.4	693.8	1.2
43297	224967.8057	518772.5235	695.0	697.3	693.6	1.4
43298	224963.8085	518775.4020	695.0	697.3	693.8	1.2
43299	224959.7744	518778.2388	695.1	697.1	693.8	1.3
43300	224955.5621	518781.1299	696.8	696.8	694.0	2.9
43301	224951.5345	518784.0764	698.5	696.8	693.6	4.9
43302	224962.9457	518800.3104	698.8	696.8	694.2	4.6
43303	224966.9903	518797.5240	697.1	696.8	694.0	3.2
43304	224971.0422	518794.6378	695.5	697.0	693.9	1.6
43305	224975.3410	518791.8597	695.0	697.0	693.6	1.4
43306	224979.3768	518788.9933	695.0	697.1	693.6	1.4

Table E-3

Pond 3
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
43307	224983.5246	518786.0658	695.0	697.3	693.9	1.1
43308	224987.4439	518783.2750	695.0	697.6	693.8	1.2
43309	224991.6521	518780.3331	695.0	697.8	693.7	1.3
43310	224995.6973	518777.5383	695.0	698.1	693.7	1.3
43311	224999.8446	518774.6955	695.0	698.2	693.8	1.2
43312	225003.9377	518771.8091	695.0	698.3	693.8	1.2
43313	225008.0084	518769.0258	695.0	698.3	693.6	1.4
43314	225012.1104	518766.0439	695.0	698.4	693.7	1.3
43315	225016.0898	518763.2931	695.0	698.4	692.8	2.2
43316	225020.1866	518760.2874	695.0	698.4	692.6	2.4
43317	225024.3525	518757.4595	695.0	698.5	692.3	2.7
43318	225028.4363	518754.6700	695.0	698.4	693.2	1.8
43319	225032.7086	518751.8428	695.0	698.5	693.3	1.7
43320	225036.6044	518748.8684	695.0	698.5	693.4	1.6
43321	225040.7876	518746.0154	695.0	698.4	693.4	1.6
43322	225044.9009	518743.0242	695.8	698.6	693.7	2.1
43323	225048.8456	518740.3061	697.4	698.7	693.5	4.0
43324	225060.4666	518756.6320	697.4	698.4	693.9	3.6
43325	225056.3884	518759.4769	695.8	698.4	692.9	2.9
43326	225052.2167	518762.2085	695.0	698.2	692.9	2.1
43327	225048.0112	518765.2625	695.0	698.3	693.3	1.7
43328	225043.9788	518768.1473	695.0	698.2	693.6	1.4
43329	225039.7870	518770.9022	695.0	698.2	693.8	1.2
43330	225035.8100	518773.6513	695.0	698.2	693.7	1.3
43331	225031.8838	518776.6433	695.0	698.1	693.6	1.4
43332	225027.6727	518779.4794	695.0	698.1	693.5	1.5
43333	225023.6005	518782.3869	695.0	698.0	693.6	1.4
43334	225019.3975	518785.3870	695.0	698.0	693.2	1.8
43335	225015.4372	518788.0086	695.0	698.0	693.2	1.8
43336	225011.2140	518790.8885	695.0	698.0	693.5	1.5
43337	225007.2718	518793.8444	695.0	697.9	693.4	1.6
43338	225003.0274	518796.6738	695.0	697.8	693.4	1.6
43339	224999.0527	518799.5318	695.0	697.7	693.2	1.8
43340	224994.9446	518802.3829	695.0	697.5	693.7	1.3
43341	224990.7704	518805.2414	695.0	697.4	693.3	1.7
43342	224986.6724	518808.2677	695.0	697.2	693.6	1.4
43343	224982.6279	518811.0769	695.8	697.2	693.7	2.1
43344	224978.4055	518814.0286	697.5	697.2	693.3	4.2
43345	224998.1331	518824.5487	695.0	697.3	693.1	1.9
43346	224994.0508	518827.4683	696.1	697.3	693.5	2.6
43347	225002.1693	518821.8097	695.0	697.4	693.5	1.5
43348	225006.2745	518818.7748	695.0	697.5	693.3	1.7
43349	225010.5892	518816.0677	695.0	697.5	693.1	1.9
43350	225014.3776	518813.2188	695.0	697.5	692.9	2.1

Table E-3

Pond 3
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
43351	225018.6694	518810.2094	695.0	697.6	692.7	2.3
43352	225022.6424	518807.2786	695.0	697.6	692.8	2.2
43353	225026.6210	518804.3738	695.0	697.6	692.8	2.2
43354	225031.1821	518801.5855	695.0	697.5	693.0	2.0
43355	225035.0442	518798.7297	695.0	697.7	692.9	2.1
43356	225038.9403	518795.7538	695.0	697.7	692.9	2.1
43357	225043.3832	518792.9880	695.0	697.6	693.1	1.9
43358	225047.4498	518790.0035	695.0	697.8	692.9	2.1
43359	225051.3661	518787.4211	695.0	697.8	693.6	1.4
43360	225055.4168	518784.4658	695.0	697.9	693.5	1.5
43361	225059.4573	518781.5675	695.0	697.8	693.7	1.3
43362	225063.8009	518778.6614	695.0	697.8	693.7	1.3
43363	225067.9622	518775.9762	695.7	697.9	693.3	2.4
43364	225071.7967	518772.9636	697.3	698.1	693.4	3.9
43367	224977.6411	518838.8128	702.7	701.7	701.6	1.2
43368	224981.7022	518835.9606	701.1	700.4	700.2	0.9
43369	224985.9720	518833.1047	699.4	698.7	698.1	1.2
43370	224966.1530	518822.4716	702.4	701.4	701.3	1.1
43371	224970.2071	518819.6633	700.8	699.9	699.9	0.0
43372	224974.2786	518816.8406	699.2	697.7	696.6	2.6
43373	224954.6994	518806.0263	702.1	701.1	701.0	1.1
43374	224958.7573	518803.3313	700.5	698.6	698.4	2.1
43375	224943.2228	518789.7847	701.8	700.7	700.7	1.2
43376	224947.3446	518786.9390	700.2	698.4	697.9	2.2
43377	224931.6907	518773.3648	701.5	700.8	700.5	1.1
43378	224935.9651	518770.5538	699.8	698.7	698.1	1.7
43379	224920.3211	518756.9765	701.2	700.8	700.5	0.7
43380	224924.4398	518754.1858	699.5	698.2	698.4	0.0
43381	224908.8502	518740.5637	700.9	700.0	699.9	1.0
43382	224912.8050	518737.7787	699.3	698.0	696.5	2.8
43383	224893.2337	518727.0042	702.3	701.4	701.2	1.0
43384	224897.3676	518724.2222	700.6	700.3	699.2	1.4
43385	224901.4395	518721.2979	698.9	698.4	696.4	2.5
43386	224881.7720	518710.6966	702.1	701.3	700.5	1.7
43387	224885.9039	518707.8814	700.5	701.0	698.5	1.9
43388	224890.0397	518704.8969	698.8	699.7	696.1	2.6
43389	224870.2268	518694.3362	702.0	701.4	700.7	1.3
43390	224874.4103	518691.4637	700.3	701.1	698.1	2.2
43391	224878.5440	518688.5121	698.6	699.5	695.9	2.7
43393	224858.9542	518677.9463	701.9	701.5	700.0	1.9
43394	224862.9762	518675.1596	700.2	701.2	697.4	2.9
43395	224867.1524	518672.1171	698.5	699.5	694.9	3.6
43397	224847.3978	518661.5920	701.8	701.7	700.2	1.6
43398	224851.5081	518658.6455	700.1	701.1	697.8	2.3

Table E-3

Pond 3
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
43399	224855.6312	518655.7688	698.4	700.5	695.7	2.8
43400	224831.7281	518648.0360	703.5	702.0	702.2	0.0
43401	224835.9595	518645.1666	701.6	701.6	699.1	2.5
43402	224840.0836	518642.2891	700.0	701.5	696.9	3.1
43403	224844.1648	518639.4335	698.3	700.8	695.4	2.9
43404	224820.4184	518631.6233	703.3	702.2	702.1	1.1
43405	224824.5311	518628.8171	701.5	702.1	699.0	2.5
43406	224828.5892	518625.8528	699.9	701.5	696.5	3.4
43407	224832.6775	518623.0893	698.2	701.1	694.6	3.6
43409	224808.9269	518615.2064	703.1	701.4	700.7	2.4
43410	224990.0399	518830.2666	697.7	697.2	693.7	4.0
46701	225255.4965	519035.1658	697.7	696.3	693.9	3.8
46702	225251.2820	519037.9030	696.7	696.0	693.6	3.2
46703	225247.2054	519040.9206	696.1	696.0	693.9	2.1
46704	225243.0009	519043.7356	695.8	696.2	694.5	1.3
46705	225244.0097	519018.7648	696.5	696.9	693.6	2.9
46706	225239.8909	519021.5943	695.0	696.8	693.4	1.6
46707	225235.8443	519024.4127	695.0	696.7	693.5	1.5
46708	225231.6148	519027.4684	695.0	696.8	692.9	2.1
46709	225227.5297	519030.2100	695.0	696.9	693.0	2.0
46710	225223.4002	519033.0709	695.0	696.8	693.4	1.6
46711	225219.3193	519036.0103	695.0	696.7	693.0	2.0
46712	225215.2791	519038.8082	695.0	696.8	693.3	1.7
46713	225211.1326	519041.6502	695.0	696.9	693.8	1.2
46714	225207.0417	519044.5645	695.0	697.0	694.0	1.0
46715	225203.0086	519047.3519	695.0	697.1	693.9	1.1
46716	225198.9088	519050.3514	695.0	697.2	694.1	0.9
46717	225194.7479	519053.1320	695.0	697.3	694.2	0.8
46718	225190.6773	519056.1033	695.0	697.7	693.8	1.2
46719	225186.5380	519059.0319	695.0	698.1	693.8	1.2
46720	225182.4517	519061.8621	695.0	698.0	694.0	1.0
46721	225178.4247	519064.5995	695.7	698.1	694.4	1.3
46722	225162.8517	519051.1717	697.1	697.9	694.2	2.9
46723	225166.9260	519048.2419	695.4	698.0	693.8	1.6
46724	225171.0530	519045.3265	695.0	698.2	693.7	1.3
46725	225175.0177	519042.5020	695.0	698.1	693.8	1.2
46726	225179.2173	519039.5156	695.0	697.7	693.4	1.6
46727	225183.3705	519036.7191	695.0	697.5	693.3	1.7
46728	225187.4107	519033.9240	695.0	697.4	693.0	2.0
46729	225191.4378	519031.0190	695.0	697.5	692.5	2.5
46730	225191.5131	519031.0729	695.0	697.5	692.4	2.6
46731	225195.6824	519028.1881	695.0	697.3	691.9	3.1
46732	225199.6081	519025.3474	695.0	697.2	691.3	3.7
46733	225203.8978	519022.4379	695.0	697.0	693.0	2.0

Table E-3

Pond 3
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
46734	225207.9963	519019.3859	695.0	697.1	692.7	2.3
46735	225211.8938	519016.7454	695.0	697.0	692.6	2.4
46736	225216.1290	519013.9114	695.0	697.0	692.8	2.2
46737	225220.1160	519011.1753	695.0	696.8	692.9	2.1
46738	225224.4250	519007.8535	695.0	696.4	692.7	2.3
46739	225228.4843	519005.2123	695.0	695.8	692.8	2.2
46740	225232.3557	519002.1700	696.5	696.2	694.3	2.2
46741	225220.9030	518985.8688	696.6	697.5	693.9	2.7
46742	225216.9472	518988.8387	695.0	697.3	693.5	1.5
46743	225212.8190	518991.7305	695.0	697.1	693.3	1.7
46744	225208.6616	518994.5751	695.0	696.7	693.5	1.5
46745	225204.4841	518997.3614	695.0	696.6	693.5	1.5
46746	225200.4861	519000.2542	695.0	696.5	693.2	1.8
46747	225196.2940	519003.3192	695.0	696.4	693.2	1.8
46748	225192.3728	519006.0470	695.0	697.1	693.4	1.6
46749	225188.3304	519008.8813	695.0	697.4	693.3	1.7
46750	225184.1056	519011.9055	695.0	697.4	692.6	2.4
46751	225180.1041	519014.7500	695.0	697.5	693.5	1.5
46752	225175.8900	519017.3996	695.0	697.5	693.7	1.3
46753	225171.7827	519020.3007	695.0	697.8	693.6	1.4
46754	225167.6544	519023.2914	695.0	698.2	693.8	1.2
46755	225163.6408	519026.1065	695.0	698.4	693.8	1.2
46756	225159.5136	519028.9348	695.0	698.4	693.9	1.1
46757	225155.3780	519031.9541	695.2	698.3	694.0	1.2
46758	225151.4387	519034.7055	696.8	698.2	693.8	2.9
46759	225139.9412	519018.4254	696.5	698.1	694.6	1.9
46760	225144.0022	519015.4408	695.0	698.3	693.9	1.1
46761	225148.0871	519012.6319	695.0	698.6	694.1	0.9
46762	225152.1376	519009.7006	695.0	696.8	694.2	0.8
46763	225156.2028	519006.7680	695.0	696.8	694.1	0.9
46764	225160.4046	519003.8077	695.0	696.9	693.7	1.3
46765	225164.4816	519001.1441	695.0	697.7	693.7	1.3
46766	225168.5620	518998.2127	695.0	696.8	694.0	1.0
46767	225172.5995	518995.3206	695.0	697.0	694.0	1.0
46768	225176.7832	518992.4893	695.0	696.8	693.8	1.2
46769	225180.9428	518989.6810	695.0	696.7	693.5	1.5
46770	225184.9391	518986.7922	695.0	696.2	693.5	1.5
46771	225189.0807	518983.9665	695.0	696.2	693.3	1.7
46772	225193.0557	518981.0041	695.0	696.4	693.4	1.6
46773	225197.3850	518978.2301	695.0	696.6	693.6	1.4
46774	225201.5357	518975.2942	695.0	696.6	692.8	2.2
46775	225205.3886	518972.4191	695.0	696.8	693.1	1.9
46776	225209.4069	518969.6391	696.6	697.1	693.4	3.2
46777	225198.0116	518953.2996	696.7	696.8	694.0	2.6

Table E-3

Pond 3
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
46778	225194.0812	518955.9609	695.1	696.5	694.1	1.0
46779	225189.9858	518958.8772	695.0	696.3	694.1	0.9
46780	225185.6986	518961.7142	695.0	696.3	693.9	1.1
46781	225181.6573	518964.7535	695.0	696.0	693.4	1.6
46782	225177.5703	518967.4435	695.0	696.3	693.3	1.7
46783	225173.4232	518970.3556	695.0	696.3	693.4	1.6
46784	225169.3399	518973.2430	695.0	696.3	693.4	1.6
46785	225165.2767	518976.0250	695.0	696.3	693.5	1.5
46786	225161.1961	518978.9330	695.0	696.4	693.6	1.4
46787	225157.0101	518981.9001	695.0	696.4	693.6	1.4
46788	225153.0029	518984.6109	695.0	696.4	693.9	1.1
46789	225148.8192	518987.4565	695.0	696.3	693.7	1.3
46790	225144.8328	518990.4323	695.0	696.3	693.6	1.4
46791	225140.6741	518993.3123	695.0	696.4	693.9	1.1
46792	225136.5618	518996.2784	695.0	696.5	693.7	1.3
46793	225132.5445	518999.1093	695.0	696.4	693.9	1.1
46794	225128.4116	519001.8888	696.2	696.6	693.9	2.2
46795	225124.6327	519004.9188	697.8	696.8	694.7	3.1
46796	225113.0284	518988.3305	697.5	696.7	694.6	2.8
46797	225116.9678	518985.5140	695.8	696.5	693.9	1.9
46798	225121.2871	518982.6881	695.0	696.4	693.8	1.2
46799	225125.0375	518979.7974	695.0	696.4	693.6	1.4
46800	225129.2872	518976.8716	695.0	696.3	693.6	1.4
46801	225133.3656	518974.1059	695.0	696.1	693.3	1.7
46802	225137.3472	518971.1477	695.0	696.1	693.0	2.0
46803	225141.0703	518967.4745	695.0	696.1	693.3	1.7
46804	225145.5386	518965.6529	695.0	696.2	693.2	1.8
46805	225149.6788	518962.6187	695.0	696.1	693.6	1.4
46806	225153.8113	518959.6821	695.0	695.9	693.6	1.4
46807	225157.9519	518956.9133	695.0	696.1	693.7	1.3
46808	225162.0175	518954.0607	695.0	696.4	693.8	1.2
46809	225166.1984	518951.0714	695.0	696.4	694.0	1.0
46810	225170.1551	518948.2268	695.0	696.4	694.0	1.0
46811	225174.2896	518945.4051	695.0	696.2	693.7	1.3
46812	225178.2859	518942.5606	695.0	696.2	693.5	1.5
46813	225182.5128	518939.6698	695.1	696.4	693.7	1.4
46814	225186.5761	518936.7838	696.8	696.7	694.1	2.7
46815	225175.0070	518920.4372	696.8	696.5	694.4	2.4
46816	225170.9832	518923.2895	695.1	696.2	693.9	1.2
46817	225166.9220	518926.2561	695.0	696.1	693.7	1.3
46818	225162.7715	518929.0435	695.0	695.9	693.9	1.1
46819	225158.7173	518931.9758	695.0	695.8	693.9	1.1
46820	225154.6138	518934.7695	695.0	695.5	693.8	1.2
46821	225150.4589	518937.6132	695.0	695.4	693.7	1.3

Table E-3

Pond 3
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
46822	225146.4878	518940.4956	695.0	695.9	693.7	1.3
46823	225142.2740	518943.3917	695.0	695.9	693.7	1.3
46824	225138.1825	518946.2521	695.0	695.9	693.7	1.3
46825	225134.2393	518949.1086	695.0	695.9	693.6	1.4
46826	225130.1959	518951.9755	695.0	695.9	693.7	1.3
46827	225125.9451	518954.8668	695.0	695.8	693.6	1.4
46828	225121.9489	518957.7194	695.0	695.7	693.6	1.4
46829	225117.7851	518960.5138	695.0	695.9	693.7	1.3
46830	225113.7752	518963.4901	695.0	695.9	694.0	1.0
46831	225109.6077	518966.4507	695.0	695.8	694.1	0.9
46832	225105.3790	518969.2517	695.6	695.7	694.2	1.4
46833	225101.4658	518972.0908	697.2	696.0	694.3	2.9
46834	225089.8298	518955.7547	696.9	696.0	694.3	2.6
46835	225093.9634	518952.7759	695.2	696.0	693.9	1.3
46836	225098.0755	518950.0652	695.0	696.0	694.0	1.0
46837	225101.6918	518946.2777	695.0	696.0	694.1	0.9
46838	225106.3170	518944.3918	695.0	695.9	693.2	1.8
46839	225110.4639	518941.3612	695.0	695.9	693.5	1.5
46840	225114.4369	518938.4646	695.0	695.8	693.1	1.9
46841	225118.7157	518935.5789	695.0	695.9	693.2	1.8
46842	225122.7273	518932.7607	695.0	695.8	692.9	2.1
46843	225126.8648	518930.0339	695.0	695.8	692.9	2.1
46844	225131.1015	518927.1975	695.0	695.7	693.2	1.8
46845	225134.9749	518924.0996	695.0	695.9	693.0	2.0
46846	225139.0505	518921.2809	695.0	695.9	693.3	1.7
46847	225143.1314	518918.4230	695.0	695.8	693.6	1.4
46848	225147.2447	518915.6040	695.0	695.7	693.6	1.4
46849	225151.2318	518912.6196	695.0	695.8	693.5	1.5
46850	225155.3440	518909.7865	695.0	695.4	693.0	2.0
46851	225159.5698	518906.9580	695.2	695.9	692.3	2.9
46852	225163.5702	518904.0505	696.9	696.4	694.0	2.9
46853	225152.2131	518887.6768	696.9	696.4	693.2	3.8
46854	225148.1711	518890.5334	695.3	696.2	692.8	2.5
46855	225143.7440	518893.3207	695.0	696.0	693.2	1.8
46856	225139.9440	518896.2579	695.0	696.0	692.5	2.5
46857	225135.7080	518899.3433	695.0	695.9	692.5	2.5
46858	225131.7032	518901.8830	695.0	696.0	692.5	2.5
46859	225127.4524	518904.9247	695.0	696.0	693.2	1.8
46860	225123.4445	518907.7958	695.0	696.0	693.2	1.8
46861	225119.4613	518910.9154	695.0	696.0	693.0	2.0
46862	225115.3316	518913.5147	695.0	696.0	692.9	2.1
46863	225111.2364	518916.4649	695.0	696.0	693.0	2.0
46864	225107.0124	518919.3442	695.0	696.0	693.4	1.6
46865	225102.9625	518921.9917	695.0	696.0	692.9	2.1

Table E-3

Pond 3
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
46866	225098.7852	518925.1578	695.0	696.0	693.2	1.8
46867	225094.6644	518927.8755	695.0	696.0	693.2	1.8
46868	225090.7605	518930.7159	695.0	696.0	693.4	1.6
46869	225086.5521	518933.4611	695.0	696.0	693.5	1.5
46870	225082.5094	518936.4990	695.0	696.0	693.7	1.3
46871	225078.3892	518939.2066	696.6	696.0	693.8	2.8
46872	225074.2735	518942.1027	698.3	696.2	694.1	4.2
46873	225063.1075	518925.6166	697.9	696.7	694.7	3.2
46874	225066.9487	518922.8995	696.3	696.3	694.2	2.0
46875	225071.0348	518920.0610	695.0	696.2	693.9	1.1
46876	225075.1384	518917.1057	695.0	696.2	693.9	1.1
46877	225079.2331	518914.3217	695.0	696.3	693.7	1.3
46878	225083.4305	518911.3622	695.0	696.3	693.5	1.5
46879	225087.5675	518908.5054	695.0	696.4	693.7	1.3
46880	225091.5401	518905.6643	695.0	696.3	693.4	1.6
46881	225095.6865	518902.8577	695.0	696.3	693.5	1.5
46882	225099.6306	518899.8941	695.0	696.3	693.4	1.6
46883	225103.8145	518896.9493	695.0	696.2	693.4	1.6
46884	225107.9903	518894.1764	695.0	696.2	693.5	1.5
46885	225111.9491	518891.2786	695.0	696.3	693.3	1.7
46886	225116.1108	518888.3363	695.0	696.4	693.5	1.5
46887	225120.1404	518885.6013	695.0	696.4	693.4	1.6
46888	225124.3930	518882.6931	695.0	696.5	693.6	1.4
46889	225128.4283	518879.9051	695.0	696.4	693.2	1.8
46890	225132.3595	518877.1909	695.0	696.6	693.2	1.8
46891	225136.6710	518874.1780	695.3	696.7	693.2	2.1
46892	225140.5104	518871.5788	696.9	697.1	693.8	3.1
46893	225129.2454	518854.9922	697.0	697.3	694.3	2.8
46894	225125.1080	518857.8609	695.4	697.1	693.6	1.7
46895	225121.0968	518860.5994	695.0	696.9	693.9	1.1
46896	225116.8195	518863.5387	695.0	697.0	693.8	1.2
46897	225112.8231	518866.2571	695.0	696.9	693.8	1.2
46898	225108.7718	518869.1381	695.0	697.0	693.8	1.2
46899	225104.6760	518872.1121	695.0	696.9	693.8	1.2
46900	225100.4466	518874.8954	695.0	697.0	694.0	1.0
46901	225096.4726	518877.8083	695.0	696.9	693.9	1.1
46902	225092.3992	518880.8732	695.0	696.9	693.9	1.1
46903	225088.3207	518883.6688	695.0	696.8	693.8	1.2
46904	225084.2925	518886.5570	695.0	696.7	693.9	1.1
46905	225079.9851	518889.3541	695.0	696.7	693.9	1.1
46906	225075.9203	518892.1194	695.0	696.6	693.9	1.1
46907	225071.9251	518894.9859	695.0	696.6	693.9	1.1
46908	225067.7895	518897.9010	695.0	696.6	693.8	1.2
46909	225063.6489	518900.8302	695.0	696.7	693.9	1.1

Table E-3

Pond 3
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
46910	225059.6101	518903.6271	695.0	696.6	694.1	0.9
46911	225056.0496	518905.9093	695.7	696.7	694.3	1.4
46912	225044.0758	518890.2279	695.7	696.8	694.3	1.4
46913	225048.2327	518887.2414	695.0	696.9	694.0	1.0
46914	225052.1584	518884.4218	695.0	696.9	694.0	1.0
46915	225056.3338	518881.5963	695.0	697.0	693.8	1.2
46916	225060.4347	518878.6745	695.0	696.9	693.9	1.1
46917	225064.4905	518875.7943	695.0	696.9	694.1	0.9
46918	225068.6416	518872.8689	695.0	696.9	693.8	1.2
46919	225072.8277	518869.9783	695.0	696.9	693.8	1.2
46920	225076.8178	518867.1235	695.0	696.9	694.1	0.9
46921	225080.9468	518864.3041	695.0	697.0	694.0	1.0
46922	225085.0179	518861.4394	695.0	696.9	694.0	1.0
46923	225089.0449	518858.6339	695.0	696.9	694.1	0.9
46924	225093.2192	518855.6484	695.0	696.8	694.0	1.0
46925	225097.2909	518852.8499	695.0	696.8	693.6	1.4
46926	225101.4641	518849.8985	695.0	696.8	694.0	1.0
46927	225105.5367	518847.0254	695.0	696.8	694.0	1.0
46928	225109.5383	518844.1989	695.0	696.8	694.3	0.7
46929	225113.6164	518841.2215	695.5	696.9	694.2	1.3
46930	225117.6918	518838.5797	697.1	697.2	694.2	2.9
46931	225106.3460	518822.2779	697.2	697.2	694.6	2.5
46932	225102.2016	518825.0041	695.5	696.9	694.1	1.4
46933	225098.0827	518827.8371	695.0	696.8	693.9	1.1
46934	225093.9841	518830.7916	695.0	696.9	693.9	1.1
46935	225089.8626	518833.5433	695.0	696.7	693.8	1.2
46936	225085.7192	518836.4467	695.0	696.7	694.0	1.0
46937	225081.7440	518839.2648	695.0	696.9	694.0	1.0
46938	225077.6223	518842.2178	695.0	697.0	694.2	0.8
46939	225073.4866	518845.2045	695.0	697.0	694.0	1.0
46940	225069.3363	518847.9204	695.0	697.0	693.9	1.1
46941	225065.3295	518850.8377	695.0	696.9	693.6	1.4
46942	225061.1277	518853.7108	695.0	697.2	693.3	1.7
46943	225057.1044	518856.4380	695.0	697.3	693.5	1.5
46944	225052.9718	518859.4361	695.0	697.3	693.7	1.3
46945	225048.9439	518862.1611	695.0	697.3	693.9	1.1
46946	225044.8296	518865.2098	695.0	697.2	694.0	1.0
46947	225040.7337	518868.0138	695.0	697.1	694.0	1.0
46948	225036.6245	518870.8813	695.0	697.1	694.2	0.8
46949	225032.5610	518873.7802	695.4	697.0	694.1	1.3
46950	225028.6362	518876.5334	697.0	697.0	694.3	2.6
46951	225017.0987	518860.3214	696.7	697.3	694.6	2.1
46952	225021.1883	518857.4628	695.0	697.3	694.3	0.8
46953	225025.1646	518854.5394	695.0	697.4	694.1	0.9

Table E-3

Pond 3
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
46954	225029.3614	518851.6772	695.0	697.5	693.9	1.1
46955	225033.4125	518848.8439	695.0	697.4	694.1	0.9
46956	225037.4783	518846.0388	695.0	697.3	694.2	0.8
46957	225041.6396	518843.0007	695.0	697.2	694.2	0.8
46958	225045.7052	518840.1310	695.0	697.2	694.0	1.0
46959	225049.6811	518837.2293	695.0	697.1	693.8	1.2
46960	225053.9816	518834.3641	695.0	697.1	693.9	1.1
46961	225057.9461	518831.5459	695.0	697.2	694.0	1.0
46962	225062.0120	518828.6351	695.0	697.1	694.2	0.8
46963	225066.1679	518825.8960	695.0	697.0	693.9	1.1
46964	225070.1523	518822.8847	695.0	697.1	693.8	1.2
46965	225074.2712	518820.0576	695.0	697.2	693.6	1.4
46966	225078.4297	518817.1794	695.0	697.3	693.8	1.2
46967	225082.5290	518814.3468	695.0	697.3	693.8	1.2
46968	225086.7065	518811.5261	695.0	697.4	693.6	1.4
46969	225090.6825	518808.4790	695.6	697.6	693.8	1.8
46970	225094.8529	518805.6064	697.3	697.8	693.8	3.5
46971	225083.5084	518789.3189	697.3	697.9	694.0	3.3
46972	225079.2828	518792.0779	695.7	697.6	693.9	1.8
46973	225075.0530	518795.1040	695.0	697.5	693.5	1.5
46974	225071.0292	518797.8683	695.0	697.4	693.3	1.7
46975	225066.8309	518800.8122	695.0	697.5	693.5	1.5
46976	225062.7855	518803.6604	695.0	697.3	693.7	1.3
46977	225058.6670	518806.5691	695.0	697.3	693.7	1.3
46978	225054.4842	518809.3156	695.0	697.2	693.6	1.4
46979	225050.6517	518812.2361	695.0	697.2	693.7	1.3
46980	225046.3131	518815.3747	695.0	697.1	693.6	1.4
46981	225042.4191	518818.0662	695.0	697.1	693.5	1.5
46982	225038.2950	518820.7809	695.0	697.0	693.7	1.3
46983	225034.1185	518823.6018	695.0	697.1	693.8	1.2
46984	225030.0241	518826.6490	695.0	697.2	694.0	1.0
46985	225025.8421	518829.5216	695.0	697.2	694.0	1.0
46986	225021.9615	518832.3849	695.0	697.3	694.1	0.9
46987	225017.8334	518835.0393	695.0	697.4	694.0	1.0
46988	225013.7177	518838.0554	695.0	697.4	694.1	0.9
46989	225009.6017	518840.9292	695.0	697.3	694.5	0.5
46990	225005.3243	518843.8385	696.5	697.3	694.4	2.1
46991	225194.1367	519076.4574	696.2	698.0	695.0	1.2
46992	225199.3187	519076.0130	696.4	698.0	694.9	1.5
46993	225203.7761	519076.2685	697.3	698.5	694.9	2.4
46994	225207.4769	519075.6228	697.8	698.7	694.7	3.1
46995	225210.8993	519073.3197	697.8	698.5	694.8	3.0
46996	225214.9926	519070.5424	697.8	698.5	694.9	2.9
46997	225217.7331	519069.0945	697.9	698.5	694.8	3.2

Table E-3

Pond 3
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
46998	225223.0960	519065.8138	698.1	698.7	694.6	3.4
46999	225228.7201	519062.4702	698.2	698.8	694.7	3.5
47000	225232.1539	519060.2679	698.2	698.9	694.8	3.4
47001	225237.5504	519055.2261	697.9	698.3	694.8	3.1
47002	225241.4151	519052.4288	697.8	698.2	694.8	3.1
47003	225246.9069	519047.8831	697.7	697.8	694.7	3.0
47004	225251.6685	519045.0760	697.9	697.6	694.8	3.1
47005	225254.1466	519042.4416	698.0	697.1	694.6	3.4
47006	225254.9452	519043.5859	698.5	697.4	694.4	4.0
47008	224993.1798	518852.4046	701.4	700.4	700.2	1.2
47009	224997.4566	518849.4536	699.7	698.7	698.7	1.0
47010	225001.4094	518846.7820	698.1	697.4	695.9	2.2
47012	225004.6751	518868.9027	701.7	700.7	700.6	1.2
47013	225008.7264	518865.9257	700.1	698.3	697.7	2.4
47014	225012.6577	518863.2606	698.5	697.4	695.3	3.1
47016	225016.1549	518885.1653	702.0	701.0	700.8	1.2
47017	225020.1767	518882.3492	700.4	698.5	698.3	2.1
47018	225024.2700	518879.5101	698.7	697.2	695.8	2.9
47019	225027.7768	518901.5898	702.3	701.5	701.2	1.1
47020	225031.7211	518898.6365	700.6	699.8	699.1	1.6
47021	225035.8638	518895.7351	699.0	697.8	696.9	2.0
47022	225039.9515	518892.8722	697.3	696.8	694.9	2.4
47023	225039.0751	518918.0701	702.7	701.7	701.5	1.1
47024	225043.1942	518915.0642	701.0	700.1	699.8	1.2
47025	225047.3111	518912.3396	699.3	698.9	697.5	1.8
47026	225051.4533	518909.3809	697.6	696.9	695.5	2.1
47028	225054.6861	518931.5924	701.3	700.1	700.1	1.2
47029	225058.6560	518928.5761	699.6	698.3	697.9	1.7
47030	225062.7785	518925.7518	698.0	696.8	695.1	2.9
47032	225066.0651	518947.8754	701.6	700.1	699.8	1.8
47033	225070.2300	518944.8876	699.9	697.9	697.4	2.5
47035	225077.6897	518964.3005	701.9	700.8	700.6	1.2
47036	225081.7781	518961.4054	700.2	698.9	698.7	1.5
47037	225085.6980	518958.4371	698.6	696.7	695.5	3.0
47039	225089.0641	518980.6874	702.2	701.2	700.9	1.3
47040	225093.1958	518977.7326	700.5	699.3	698.7	1.8
47041	225097.2584	518974.8790	698.9	696.8	696.1	2.8
47042	225100.5578	518997.1156	702.5	701.5	701.3	1.2
47043	225104.5965	518994.0738	700.9	700.0	699.8	1.0
47044	225108.7436	518991.2987	699.2	698.3	697.1	2.1
47045	225112.0570	519013.3165	702.8	701.9	701.8	1.0
47046	225116.1556	519010.5257	701.2	700.7	700.5	0.7
47047	225120.2429	519007.6650	699.5	698.8	697.4	2.1
47049	225127.5695	519027.0526	701.5	700.8	700.6	0.9

Table E-3

Pond 3
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
47050	225131.6526	519023.9606	699.8	698.8	698.5	1.3
47051	225135.7039	519021.2170	698.2	698.1	695.7	2.5
47052	225138.9639	519043.3745	701.8	701.3	701.1	0.7
47053	225143.2533	519040.6135	700.1	699.6	699.0	1.1
47054	225147.2776	519037.4494	698.4	698.5	696.0	2.4
47055	225150.4201	519059.8150	702.1	701.6	701.4	0.7
47056	225154.5818	519056.7909	700.4	699.8	699.4	1.1
47057	225158.6722	519054.1018	698.8	698.3	696.6	2.2
47058	225162.0738	519076.1483	702.4	701.9	701.7	0.7
47059	225166.0491	519073.1297	700.7	700.4	699.8	0.9
47060	225170.2359	519070.3621	699.1	698.8	697.3	1.8
47061	225174.3906	519067.3508	697.4	698.2	695.5	1.9
47062	225193.8557	519078.0946	696.6	698.1	695.1	1.5
47063	225189.9331	519081.0481	697.4	699.0	696.5	0.9
47064	225185.8422	519083.9884	698.7	700.0	698.4	0.2
47065	225181.6517	519086.7090	700.4	700.9	700.4	0.0
47066	225177.6613	519089.6929	701.6	701.6	701.6	0.0
47067	225183.0176	519090.4130	701.1	702.1	701.1	0.0
47068	225193.3763	519092.3652	701.4	702.4	701.4	0.0
47069	225204.8780	519089.7148	701.2	701.1	700.8	0.4
47070	225212.7329	519084.8118	701.3	700.7	700.4	0.9
47071	225222.1944	519079.6530	701.7	701.2	700.5	1.2
47072	225230.4317	519074.4006	701.8	701.4	700.9	0.9
47073	225241.8689	519066.3173	701.7	701.5	701.2	0.5
47074	225250.6275	519059.0169	701.4	701.1	700.9	0.5
47075	225254.4426	519055.8512	701.3	700.7	700.4	0.9
47076	225263.2529	519056.7286	703.6	701.4	701.1	2.5
47077	225268.2246	519050.8535	703.8	701.1	700.3	3.4
47078	225261.5417	519050.8459	701.7	699.4	696.9	4.8
47079	225256.5825	519049.7455	700.2	699.2	696.4	3.8
47081	225255.0431	519045.8273	698.9	698.1	695.6	3.3
47082	225261.5001	519042.0685	700.2	698.4	696.0	4.2
47084	225259.4855	519032.1482	699.1	697.5	696.5	2.5
47085	225263.4519	519029.5221	700.5	699.3	699.3	0.0
47086	225267.5731	519026.5839	701.6	701.6	702.1	0.0
47087	225271.8360	519023.5489	704.0	703.2	703.3	0.0
47089	225263.4687	519021.2146	701.4	701.5	701.1	0.3
47090	225272.3295	519020.0214	704.8	704.2	703.9	0.9
47096	225256.6810	518999.7922	703.9	702.9	702.2	1.6
47097	225253.5579	519004.8258	701.8	701.8	700.0	1.8
47098	225252.4731	519009.4178	700.6	700.9	698.6	1.9
47099	225253.4678	519014.7252	699.8	700.2	696.9	2.9
47100	225255.9046	519019.0832	699.6	699.8	696.5	3.1
47101	225257.2881	519009.7703	701.8	701.7	696.1	5.8

Table E-3

Pond 3
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
47102	225260.2899	519012.9436	702.0	702.0	695.3	6.7
47103	225263.9624	519011.0299	703.6	702.8	697.7	5.9
47104	225259.7618	519001.6085	704.6	703.3	699.8	4.8
47108	225265.5302	519015.4863	703.0	702.6	696.9	6.1
47111	225248.7873	518990.8473	703.3	702.7	702.3	0.9
47112	225244.6925	518993.8119	701.5	701.9	700.7	0.8
47113	225240.6862	518996.5836	699.9	700.7	698.5	1.4
47114	225236.5113	518999.4722	698.2	698.2	696.5	1.7
47115	225232.4503	519002.3562	696.5	696.2	694.5	2.0
47116	225121.8714	518835.6073	698.8	698.4	696.9	1.9
47117	225125.9650	518832.7982	700.4	700.3	699.4	1.0
47118	225130.0166	518829.9104	702.1	701.8	701.2	0.9
47125	225233.3067	518977.4195	701.6	701.6	700.5	1.1
47126	225229.1491	518980.3087	699.9	699.8	698.6	1.3
47127	225225.0848	518983.0598	698.3	698.1	696.8	1.5
47131	225118.5947	518813.5663	702.2	701.8	701.0	1.2
47132	225213.6478	518966.7638	698.3	697.5	696.7	1.6
47133	225217.7333	518963.8862	700.0	699.4	698.7	1.2
47134	225221.8182	518960.9926	701.6	701.5	701.0	0.6
47141	225210.3896	518944.5724	701.7	701.5	701.0	0.7
47142	225206.2973	518947.4388	700.1	699.9	698.8	1.2
47143	225202.2181	518950.2995	698.4	697.8	696.9	1.5
47144	225190.6374	518933.9309	698.4	697.9	696.9	1.5
47145	225194.7577	518931.0489	700.1	699.6	698.7	1.3
47146	225198.8849	518928.1904	701.8	701.3	700.3	1.5
47153	225187.3814	518911.8954	701.8	701.2	700.8	1.0
47154	225183.3504	518914.7453	700.2	699.6	698.9	1.2
47155	225179.1899	518917.5784	698.5	697.9	696.7	1.7
47156	225168.3074	518902.0140	698.5	697.9	697.1	1.5
47157	225171.8479	518898.3190	700.2	699.9	699.2	1.0
47158	225175.9851	518895.4317	701.9	701.1	701.0	0.9
47165	225164.4134	518879.0550	701.9	701.5	700.4	1.6
47166	225160.3752	518881.9043	700.3	699.6	698.8	1.5
47167	225156.2972	518884.7766	698.6	698.2	696.7	1.9
47168	225144.7651	518868.3963	698.7	698.4	697.4	1.3
47169	225148.8491	518865.5039	700.3	700.4	699.4	0.9
47170	225153.0096	518862.6695	702.0	701.5	701.1	0.9
47177	225141.5890	518846.2661	702.1	701.6	701.3	0.8
47178	225137.3796	518849.1818	700.4	700.6	699.6	0.8
47179	225133.3079	518852.0527	698.7	698.4	697.2	1.5
47180	225114.4458	518816.4124	700.5	700.6	699.3	1.1
47181	225110.3761	518819.2911	698.8	698.6	697.3	1.6
47182	225098.9155	518802.8422	698.9	698.7	695.8	3.1
47183	225103.0726	518799.9271	700.6	700.3	698.9	1.7

Table E-3

Pond 3
Survey Verification

Black Dog Generating Plant
Xcel Energy

Point No.	Northing	Easting	Design Elevation ⁽¹⁾	Pre-Dredge Elevation ⁽²⁾	Post-Dredge Elevation ⁽³⁾	Over Dredge ⁽⁴⁾
47184	225107.1172	518797.1198	702.2	701.9	701.2	1.0
47191	225095.6529	518780.7614	702.3	701.8	701.4	0.9
47192	225091.5622	518783.6062	700.6	700.4	699.8	0.9
47193	225087.5212	518786.4881	699.0	698.6	697.0	2.0
47194	224884.1284	518508.1257	697.8	702.6	694.5	3.4
47195	224880.2962	518505.5110	699.0	702.7	694.4	4.6
47196	224875.1238	518505.2675	700.0	702.7	694.3	5.7
47197	224869.2169	518510.2969	699.8	702.6	694.2	5.5
47198	224863.6136	518515.2035	699.5	702.7	694.2	5.3
47199	224847.6336	518527.4765	699.2	702.7	694.3	4.9
47200	224827.9248	518541.1841	699.3	703.0	694.4	4.9
47201	224810.0574	518557.5710	698.3	703.2	694.4	3.9

Notes:

- (1) Design elevation defined from the impoundment design limits adjusted to field conditions
- (2) Pre-dredge elevations defined from pre-dredge verification survey
- (3) Post-dredge elevations defined from post-dredge verification survey
- (4) Over-dredge calculated from comparing the post-dredge survey to the impoundment design limits