

LAKE MCINTOSH RESERVOIR COMPANY  
LAKE MCINTOSH RESERVOIR  
OUTLET WORKS REPAIR  
FEASIBILITY STUDY



*Sponsored by the*

LAKE MCINTOSH RESERVOIR COMPANY  
4309 State Highway 66  
Longmont, CO 80504

*In conjunction with the*

COLORADO WATER CONSERVATION BOARD

November 25, 2015

**DEERE & AULT**  
CONSULTANTS, INC.

600 South Airport Road, Suite A-205  
Longmont, CO 80503  
(303) 651-1468 • Fax (303) 651-1469  
[www.deereault.com](http://www.deereault.com)

**FEASIBILITY STUDY APPROVAL**  
Pursuant to Colorado Revised Statutes 37-60-121 & 122, and  
in accordance with policies adopted by the Board, the  
CWCB staff has determined this Feasibility Study meets all  
applicable requirements for approval.

Signed  Date 1/13/2016

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## **Lake McIntosh Reservoir Company**

Nelson Tipton  
President

Jill Baty  
Secretary

## **Attorney for the Lake McIntosh Reservoir Company**

Vranesh and Raisch, LLP  
Paul Zilis, Esq.  
1720 14th Street, Suite 200  
Boulder Colorado, 80302  
303-443-6151

## **Engineer for the Lake McIntosh Reservoir Company**

Deere & Ault Consultants, Inc.  
Glen Church, P.E.  
600 South Airport Road  
Building A, Suite 205  
Longmont, Colorado 80503  
303-651-1468

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**FEASIBILITY STUDY  
LAKE MCINTOSH RESERVOIR COMPANY  
LAKE MCINTOSH RESERVOIR  
OUTLET WORKS REPAIR**

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**PROJECT BACKGROUND**

Lake McIntosh is a supplemental supply storage reservoir for the Highland Ditch system, located just north and west of the City of Longmont in Boulder County, Colorado, constructed in the early 1900s. More specifically, it is located in Sections 29 and 30, Township 3 North, Range 68 West. The reservoir location is shown on Figure A-1, in **Appendix A**. The reservoir is bounded by residential areas to the south and east. Residential areas are also located on the eastern portion of the north side of the reservoir. To the west is farm land with a few scattered residences. The Oligarchy Ditch is located along the north boundary of the reservoir.

The reservoir is formed by an earthen dam embankment located on the southwest side of the reservoir. The dam embankment height is estimated to be 15 feet. We estimated a reservoir capacity of approximately 2,476 acre-feet at a normal water line of 5074.78 feet. The principal spillway is located on the left dam abutment and consists of an open trapezoidal shaped channel. An auxiliary spillway is located on the right dam abutment. Water is delivered to the northwest side of the reservoir by gravity through a turnout located on the Oligarchy Ditch. The reservoir is currently classified as a Significant Hazard Structure by the SEO. We understand the hazard classification is currently under review by the SEO, and that it may be reclassified as a high hazard structure.

Lake McIntosh was owned by Highland Ditch Company and became its own entity called Lake McIntosh Reservoir Company in September 10, 2001. Prior to incorporation, Lake McIntosh shares were Highland Ditch shares. After Lake McIntosh Reservoir Company became its own entity, the Highland Ditch shareholders were issued Lake McIntosh Reservoir Company shares. The shares of Lake McIntosh Reservoir that are owned by Highland Ditch shareholders are used in a water exchange. To operate the exchange, water is released from Lake McIntosh Reservoir into the Oligarchy Ditch and delivered to Oligarchy shareholders irrigating land located southeast of Lake McIntosh Reservoir. The Oligarchy Ditch diversion from the St. Vrain Creek is reduced by the same amount and an equal amount of water is diverted from the St. Vrain Creek into the Highland Ditch headgate just east of Lyons. Without a functioning outlet works system, the exchange can't occur and less water can be used in the Highland Ditch.

The gravity outlet works for the reservoir is located on the east side of the reservoir, opposite of the dam embankment, and was constructed through a broad saddle between two low hills. The outlet works is located here to provide stored water by gravity to the Oligarchy Ditch, and is capable of releasing the upper 14 feet of reservoir by gravity. The existing outlet works pipe is approximately 3,070 feet long and consists of a combination of multiple pipe types. The outlet works pipes include 196 linear feet of 54-inch diameter corrugated metal pipe (CMP) inlet, which connects the

reservoir to a newly constructed (2010) double chambered outlet works gate vault. Two 24-inch slide gates are located on the outlet vault dividing wall, between the chambers, and are used to regulate water flow into two separate existing 24-inch diameter vitrified clay pipes (VCP). These pipes were placed side by side and installed during the original reservoir construction. The two VCP alignments continue east for approximately 760 linear feet and discharge into a concrete manhole. At the manhole, the two 24-inch diameter VCPs empty into a single 48-inch diameter reinforced concrete pipe (RCP). The 48-inch diameter RCP continues east for approximately 2,310 linear feet and outfalls into the Oligarchy Ditch.

The RCP appears to have been installed at a later date, possibly to replace the original VCP section. We understand that up to 20 cfs is delivered to the Oligarchy Ditch for irrigation purposes. The existing outlet works plan and profile along the VCP outlet section, where the pipe collapse occurred, is shown on Figure A-2, in **Appendix A**. The existing outlet works alignment for the VCP pipes goes through the Platte River Power Authority (PRPA) substation and has multiple 115kV and 230 kV power conduits above the alignment. There are also multiple utility crossings between the substation and the existing 48" RCP manhole on the existing outlet works alignment. The numerous utility crossings above the existing outlet works system alignment may present challenges during the construction process and should be planned for before construction begins.

During the 2010 vault construction, it was noted that the two VCPs were extensively cracked, and without any supporting soil, would readily collapse into themselves. The upstream ends of the VCP pipes were photographed during the 2010 outlet vault construction and are shown on Figure A-3, in **Appendix A**. The poor condition of the VCPs may be problematic during construction, especially during trenchless construction options.

In May 2015, the pipe collapsed and an associated sink hole deposited soil in the outlet works pipes from the sink hole location, downstream for approximately 300 feet, to the next manhole. The depth of depositional soil appears to be at least to the springline. This is shown on the photographs on Figure A-4, in **Appendix A**. Additionally, soil was carried further downstream of the manhole into the 48-inch diameter RCP.

Hydraulic modeling of the existing outlet works was completed in 2010 for the replacement of the outlet works gate vault. The analysis determined that the current two pipe system could draw down the top 1.9 feet of the reservoir in five days, or it could draw down the top five feet of the reservoir in 13 days. In this scenario, the flow rate varies from approximately 53 cfs at the normal water line (elevation 5074.78) to 42 cfs when the reservoir is drawn down five feet.

Typically on new reservoirs the SEO requires that the outlet works systems be able to release the top five feet of the reservoir in five days. This is a common requirement of larger modern dam and reservoir systems. The existing Lake McIntosh outlet works system (prior to the development of the sink hole) did not meet this requirement. Since Lake McIntosh is an existing structure and per our correspondence with Mr. John Batka, the SEO will not require the new outlet works system to meet the "five feet in five days" draw down requirements. The SEO's position for repairing the outlet works is to not decrease the current emergency release capacity, and preferably increase the release capacity towards the five feet in five days standard.

## **PROJECT SPONSOR**

The Lake McIntosh Reservoir Company is a Colorado for profit mutual irrigation reservoir company. There are 248 shareholders and 2,816 shares of common stock. The Lake McIntosh Reservoir Company has the power to set annual assessments to be paid by the shareholders, the power to cut off water deliveries to shareholders that fail to pay their assessments, and the power to offer stock for sale to pay back assessments. The Lake McIntosh Reservoir Company Articles of Incorporation and By Laws are included in **Appendix B**.

## **PROJECT SERVICE AREA AND FACILITIES**

Lake McIntosh Reservoir historically provides irrigation water to approximately 42,000-acre service area in Boulder and Weld County through direct flow and exchange flow. The service area for the Highland Ditch through the exchange is approximately 35,000-acre and the service area for the Oligarchy Ditch through direct flow is 7,000-acre. Lake McIntosh Reservoir is located in Section 30 and Section 29, Township 3 North, Range 69 West, 6th P.M., Boulder County. Lake McIntosh Reservoir releases its water into the Oligarchy Ditch which can be used downstream for irrigation purposes. The same amount of water released into the Oligarchy Ditch can be diverted into the Highland Ditch headgate from the St. Vrain Creek upstream of the Oligarchy Ditch headgate by exchange. A map of the historical service area is included in **Figure 1**.

## **HYDROLOGY AND WATER RIGHTS**

Lake McIntosh Reservoir has the following decreed water rights:

Name	Adjudication Date	Appropriation Date	Amount (acre-ft)
Original Right	3/13/1907	10/8/1902	2,460
Refill Right	7/23/1951	12/31/1929	2,460

The source of water for the water rights is St. Vrain Creek and the reservoir is filled via the Oligarchy Ditch which diverts from St. Vrain Creek near Lyons, Colorado.

Lake McIntosh Reservoir has an exchange decree that allows water to be exchanged with Highland Ditch. The exchange works by releasing water into the Oligarchy Ditch via Lake McIntosh Reservoir and diverting the corresponding amount of water into the Highland Ditch from the St. Vrain Creek. Lake McIntosh Reservoir releases are used by the Oligarchy Ditch for irrigation and the exchange flow is used by the Highland Ditch for irrigation. Without an operational outlet works system, Lake McIntosh Reservoir's water can't be used for either directly for irrigation or by exchange. Lake McIntosh Reservoir has released an average of 1,533 acre-feet per year to the Oligarchy Ditch for irrigation use.

## **PROJECT DESCRIPTION AND ALTERNATIVES**

The purpose of this project is to rehabilitate the Lake McIntosh Reservoir outlet works system after the existing outlet works pipes collapsed and the associated sink hole deposited soils inside the pipes. The SEO has stated that the repairs to the outlet works pipes will not decrease the current

emergency release capacity of 1.9 feet of drawdown in 5 days. There were six alternatives that were considered to repair the outlet works:

1. No-action
2. Line the existing 24-inch VCP pipes with cured in-place pipe (CIPP) procedure
3. Pipe splitting one of the existing 24-inch VCP pipe and installing HDPE pipe to replace the two outlet pipes
4. Construction of a new pump station near the existing outlet works
5. Replacing existing 24-inch VCP pipes with a 48-inch pipe installed by open cut and cover method
6. Constructing a new gravity outlet works system on the west side of the reservoir

**Alternative No. 1** was considered unacceptable because Lake McIntosh Reservoir wouldn't have an operational gravity outlet works to release stored water. Without an operation gravity outlet works, Lake McIntosh Reservoir will have no way to release water in an emergency situation. No water can be released and used as irrigation through direct and exchange flow which could cause crop losses.

**Alternative No. 2** would involve lining the existing 24-inch diameter VCPs with a CIPP liner from the Outlet Works Structure to the existing 48-inch RCP manhole. The existing VCPs would need to be cleaned of all soils and debris that filled the pipes during the pipe collapse and associated sink hole. Cleaning the pipes will have its own risk since the existing VCPs are in poor condition with cracks along the spring line and crown of the pipes. Power jetting to clean out the soils inside the pipes may cause another pipe collapse due to the condition of the pipes. The CIPP liner would at minimum narrow the pipe inside diameter by an inch from 24-inches to 23-inches. Hydraulic modeling of the outlet works pipe with CIPP liners indicated that the release capacity rate would slightly decrease when compared to the original outlet works release rate. This alternative is considered unacceptable because the CIPP liner decreases the flow rate through the outlet works pipes and fails to draw down the top 1.9 feet of the reservoir in five days. The SEO's position for repairing the outlet works is to not decrease the current emergency release capacity, and preferably increase the release capacity towards the five feet in five days standard.

**Alternative No. 3** would involve pipe splitting one of the existing 24-inch diameter VCP pipes and installing a larger diameter HDPE pipe to replace the two existing outlet pipes. This process allows for the existing pipe to be split in-place with a ram followed by a new large HDPE pipe. To maintain the minimum SEO flow rates, this would require the installation of one 34-inch outside diameter (30-inch inside diameter) HDPE pipe. Holding grade of the pipe will be very difficult with this alternative because the broken VCP pieces will cause the pipe splitting ram to rise. The expander diameter for a 30-inch inside diameter HDPE would be 42-inch which is an extreme upsize from the existing 24 inch VCP and will make pipe splitting very risky. Given the depth of the existing outlet pipe, the limited room for stringing the HDPE pipe, and the required HDPE pipe size for outlet pipe replacement, we did not believe that pipe splitting is an economical or feasible repair option. Again, given the VCP poor pipe condition, there is a high risk during construction of this alternative for the pipe to collapse or become blocked.

**Alternative No. 4** would involve abandoning the existing outlet works and installing a permanent pump station which would deliver irrigation water to the Oligarchy Ditch and meet the existing



outlet works release requirements. The proposed location of the pump station is near the existing outlet works. The pump station would need to deliver up to 53 cfs in an emergency drawdown situation, as well as provide the 10 to 20 cfs flow rate required for irrigation. This alternative will meet the SEO discharge requirements but would be the most expensive of the alternatives. The estimated construction cost would be approximately \$4 million without considering operation and maintained costs. This alternative has been considered but due to the high costs this alternative seems to be unfeasible.

**Alternative No. 5** would involve replacing the existing 24-inch diameter VCP pipe with 48-inch diameter pipe installed by cut and cover method. This operation would require installing a new 48-inch diameter outlet pipe from the existing outlet works vault to the existing 48-inch RCP manhole. The 48-inch diameter pipe would match the existing pipe diameter and type downstream of the VCP outlet section. The existing manhole would be replaced with a larger diameter manhole. Additionally, an intermediate second manhole should be installed in the vicinity of the existing sink hole on the outlet works alignment. The portion of the outlet works pipes which are located under Harvard Street and the PRPA substation, approximately 150 linear feet, would not be open cut but rather hand tunneled so that the street could stay open during construction and that the PRPA power conduits could remain in place. The estimated construction cost for this alternative is \$1.9 million. This option would be capable of delivering up to approximately 88 cfs to the Oligarchy Ditch when in operation and would be capable of drawing the reservoir down five feet in seven days. This alternative has been considered feasible since it is the least expensive option and meets the SEO discharge requirements.

**Alternative No. 6** would involve construction of a new gravity outlet works system on the west side of the reservoir, near the existing dam embankment, that meets SEO drawdown requirements. The new outlet works system would only be used in emergency to drawdown the top 5 feet of the reservoir in 5 days. The existing outlet system would be repaired or replaced with a smaller pipe to maintain irrigation so that the water exchange between Oligarchy and Highland Ditch can still occur. The repair on the existing outlet pipes has its own risk and costs as shown in alternative 2, 3 and 5. The cost for a new outlet works system is highly dependent on site conditions and constraints. The new outlet works pipe depth will also affect the cost of the project since the existing outlet works daylights 3000+ feet away from the structure to catch grade with the Oligarchy Ditch. Easements and land acquisition for the new outlet works pipeline alignment would need to be determined and acquired prior to construction. This alternative would require the reservoir to be completely drawn down during construction. We understand that houses and other infrastructure located within the existing drainage swale downstream of the dam embankment are susceptible to flooding. For this alternative, further work would be required in determining where the new outlet works released water would flow. This alternative is risky due to costs that are unforeseen, such as time for all entities (City of Longmont, Ditch Companies, Parks Department, etc.) involved in approving where to discharge the water released from Lake McIntosh Reservoir. This alternative is feasible but with the uncertain site conditions, the cost of a new structure, and repair the existing outlet pipes would have higher costs than the other alternatives that are feasible.

## **SELECTED ALTERNATIVE**

Alternative #5 was the selected alternative because it is the least expensive and least risky to construct of the alternatives listed above and remedies the emergency drawdown criteria that the

SEO requested. This alternative allows for higher capacity through the outlet works system which would allow the reservoir to be drawdown 5 feet in seven days compared to existing drawdown rate of 5 feet in thirteen days. Adding another manhole between the outlet works structure and existing 48" RCP manhole will allow easier access to the pipeline for cleaning and maintenance. Hand tunneling will have to be performed underneath Harvard Street and the PRPA substation due to utilities and street closure. The rest of the pipeline installation will be performed using the open cut and cover method. The open cut and cover method is a less risky than CIPP lining or pipe splitting since no cleaning is required and keeping on grade and alignment will be much easier. Crossing the Oligarchy Ditch will have to be done prior to irrigation season so that the ditch is dry.

## **COST ESTIMATE**

The estimated cost for the selected alternative totals \$1,900,000. A detailed Engineer's Opinion of Costs for the Outlet Work Repair is attached as **Table 1**. A summary of the cost is presented below:

<b>Task</b>	<b>Cost</b>
Construction	\$1,134,000
Contingency @ 20%	\$280,000
Misc. Items @ 5%	\$60,000
Subtotal	\$1,474,000
Permitting	\$100,000
Design Engineering	\$190,000
Engineering Services during Construction	\$100,000
<b>Total (rounded to nearest \$100,000)</b>	<b>\$1,900,000</b>

## **IMPLEMENTATION SCHEDULE**

D&A is expected to complete the plans, technical specifications and design report by early 2016. Once CWCB Board's review is complete, construction is anticipated to begin before the irrigation season in the spring months of 2016 and should be completed in the fall of 2016.

## **PERMITTING**

The Lake McIntosh Reservoir Company is currently in the process of determining if any county, state, or federal permits that may be required for this project.

## **INSTITUTIONAL CONSIDERATIONS**

Entities that are, or may be, involved in the design, construction, and financing of the project include:

- Lake McIntosh Reservoir Company; financing and project management
- Colorado Water Conservation Board (CWCB); financing
- Deere & Ault Consultants, Inc., design engineering and engineering services during construction

The Lake McIntosh Reservoir Company will be the lead for the financing, design and construction of the project and will be the entity entering into contracts and agreements with the various entities for the service provided by each.

## **FINANCIAL ANALYSIS AND CREDIT WORTHINESS**

The Lake McIntosh Reservoir Company is applying for a loan from the CWCB for 90 percent of the estimated cost of \$1,900,000. The actual or estimated amounts by entity are given below:

Entity	Sources of Funding		
	Grant	Loan	Percent Participation
CWCB	\$0	\$1,710,000	90%
Lake McIntosh Reservoir Company	\$0	\$190,000	10%
<b>Totals</b>	<b>\$0</b>	<b>\$860,000</b>	<b>100%</b>

The Lake McIntosh Reservoir Company is requesting a 30-year loan from the CWCB. The following table provides a summary of the financial aspects of the project.

Financial Summary	
Project Cost	\$1,900,000
Loan Amount (90% of Project Cost)	\$1,710,000
Number of Shareholders	248
Number of Shares of Stock	2816
Current Assessment per Share	\$0

**Credit Worthiness:** Lake McIntosh Reservoir Company's has no existing debt. Current financial statements show Lake McIntosh Reservoir Company operating at a net gain.

The Lake McIntosh Reservoir Company has three primary sources of income including: set annual assessments per share, stock transfer fees and revenues from the recreation lease on Lake McIntosh Reservoir. Occasionally, the Company receives funds from crossing fees. The Lake McIntosh Reservoir Company hasn't had to set an assessment per share for the past 4 years because the income from the recreation lease has been enough to cover the annual expenses for the Company.

The following are attached as **Appendix C, D, and E** respectively:

- Four years of financial statements (2011, 2012, 2013, 2014)
- Shareholder list showing owner name, number of shares owned, and identifying each owner as agricultural or municipal
- CWCB Loan Application

## **ALTERNATIVE FINANCING CONSIDERATIONS**

The Lake McIntosh Reservoir Company has investigated alternative financing sources such as a special assessment per share which would have to be approved by the Lake McIntosh Reservoir Company.

## **COLLATERAL**

As security for the CWCB loan the Lake McIntosh Reservoir Company can pledge a revenue stream from assessment income.

## **ECONOMIC ANALYSIS**

Water stored at the Lake McIntosh Reservoir is used by shareholders of the Highland Ditch to exchange their shares of Lake McIntosh Reservoir for more water in the Highland Ditch. Without the ability to release water out of the outlet works system the shareholders of Lake McIntosh who own Highland Ditch shares can't perform the share exchanges and their shares of Lake McIntosh Reservoir are wasted. This could cause monetary damages from crop losses and water losses from Lake McIntosh through seepage and evaporation.

## **SOCIAL AND PHYSICAL IMPACTS**

A reservoir without a functioning outlet works system could cause problems for a couple different reasons socially and physically. The physical aspect is if there are seepages on the dam or any problems associated with the dam, there is no way for the water to be emptied from the reservoir except by bringing in multiple high capacity pumps for an emergency drawdown. The reservoir wouldn't be able to fill completely full during the irrigation season because of the risk of not being able to rapidly drawdown the reservoir. This has some social impacts since the lake is used for fishing and non-motorized boats, the low water could make fishing more difficult.

## **CONCLUSIONS**

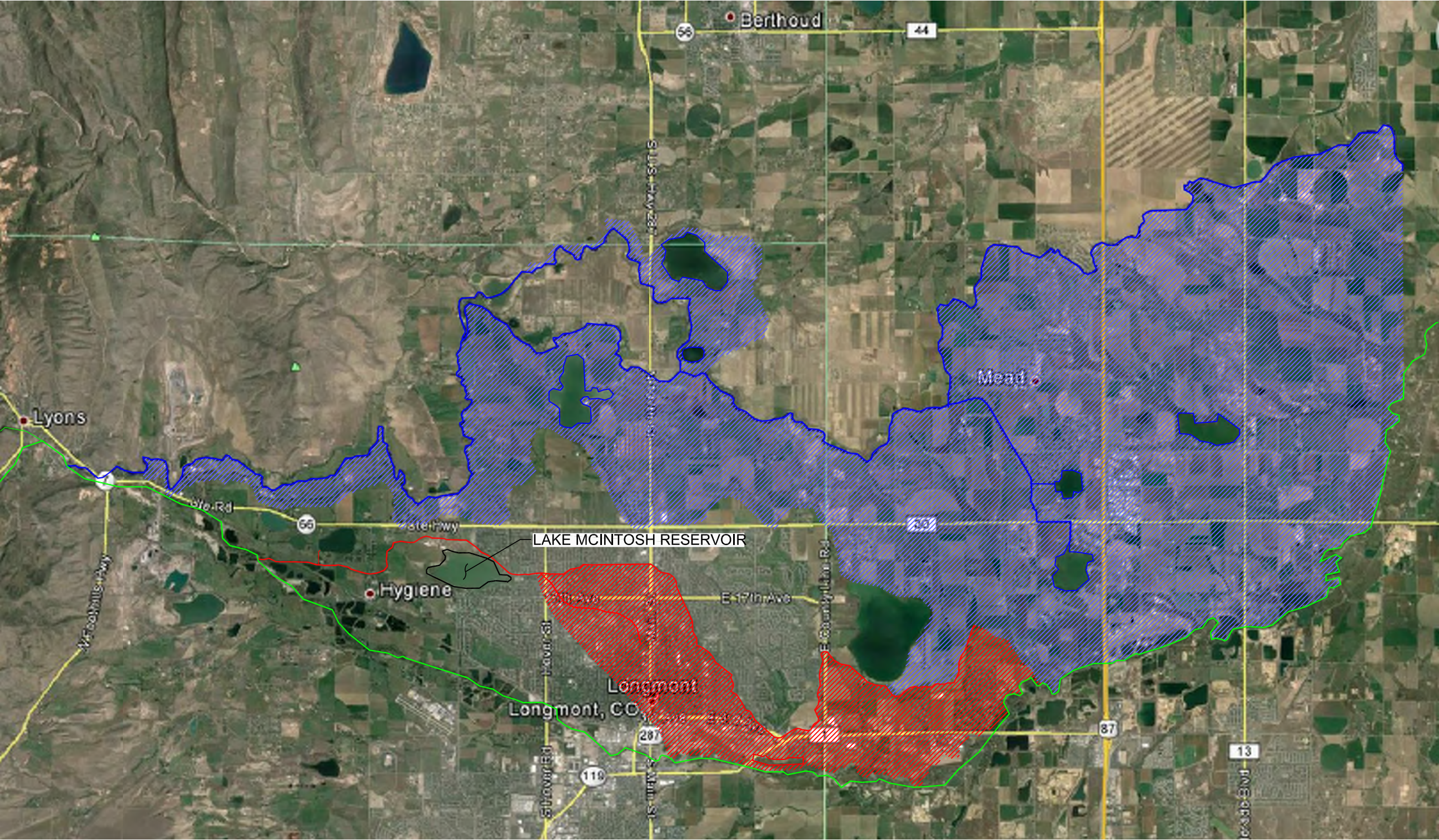
1. The Lake McIntosh Reservoir Company is an incorporated entity in the State of Colorado with the ability to enter into a contract with the CWCB for the purpose of obtaining a Construction Fund loan.
2. The project would provide for the continued ability to store water at Lake McIntosh Reservoir for delivery of irrigation water to shareholders through direct flow and exchange flow.
3. The total estimated cost of the project is \$1,900,000. The Lake McIntosh Reservoir Company is applying for a \$1,710,000 loan from the CWCB Construction Fund for the amount not covered by its own reserves.
4. The project is technically and financially feasible and would resolve the rehabilitation of the outlet works system.

**TABLE 1**  
**LAKE McINTOSH OUTLET WORKS REPAIR**  
**ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COSTS**  
**REPLACE OUTLET WORKS PIPE WITH CUT AND COVER 48" DIAMETER PIPE**  
**(TUNNEL UNDER PRPA TRANSMISSION LINES AND HARVARD STREET)**  
November 20, 2015  
DRAFT

Construction Item	Quantity	Unit	Cost	Extension
<b>1. Mobilization @ 10%</b>	1	LS	\$103,000	\$103,000
			<b>Subtotal</b>	<b>\$103,000</b>
<b>2. Outlet Works Pipeline</b>				
a. 48" Diameter Pipe	760	LF	\$425	\$323,000
b. 84" Diameter Access Manhole	1	LS	\$20,000	\$20,000
c. New Middle 84" Access Manhole	1	LS	\$10,000	\$10,000
d. Connect to Existing Reservoir Outlet Works Vault	1	LS	\$15,000	\$15,000
e. Hydrostatic Test	1	LS	\$5,000	\$5,000
f. Dewatering	1	LS	\$100,000	\$100,000
			<b>Subtotal</b>	<b>\$473,000</b>
<b>3. Tunneling</b>				
a. Hand Tunnel under PRPA Transmission Lines and Harvard St.	150	LF	\$2,000	\$300,000
			<b>Subtotal</b>	<b>\$300,000</b>
<b>4. Miscellaneous</b>				
a. Replace Fence @ PRPA	250	LF	\$40	\$10,000
b. Replace 16" Diameter Irrigation Line and Manhole	1	LS	\$7,500	\$7,500
c. Replace Sanitary Sewer Manhole	1	LS	\$7,500	\$7,500
d. Sanitary Sewer Replacement and Coordination	1	LS	\$30,000	\$30,000
e. Storm Sewer Bypass	1	LS	\$25,000	\$25,000
f. Replace Longmont Supply Ditch	200	LF	\$300	\$60,000
g. Reconstruct Path / Sidewalk	200	LF	\$100	\$20,000
h. Tree Removal	1	LS	\$25,000	\$25,000
i. Sidewalk Traffic Control	1	LS	\$7,500	\$7,500
j. Miscellaneous Landscape, Gravel Replacement	1	LS	\$25,000	\$25,000
k. Seed/Revegetation	1	LS	\$10,000	\$10,000
l. Tracking Pads, Silt Fence, Temporary Fence, etc.	1	LS	\$30,000	\$30,000
			<b>Subtotal</b>	<b>\$258,000</b>
			Total Construction Items 1-4	\$1,134,000
			<b>Subtotal Construction Items</b>	<b>\$1,134,000</b>
			Contingency @ 25%	\$280,000
			Misc Items @ 5%	\$60,000
			<b>Total Construction Cost</b>	<b>\$1,474,000</b>
			Engineering @ 20%	\$290,000
			Permitting @ 7%	\$100,000
			<b>Subtotal</b>	<b>\$1,864,000</b>
			<b>Estimated Total (rounded to nearest 100,000)</b>	<b>\$1,900,000</b>

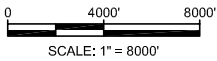


Thursday, November 19, 2015 4:54:57 PM DRAWING: U:\0426 Lake McIntosh Reservoir Company\0426.004 - Outlet Works Cost Analysis\CWCB\Figures\Service Area Maps.DWG



LEGEND

- LAKE MCINTOSH RESERVOIR
- HIGHLAND DITCH
- HIGHLAND DITCH SERVICE AREA (PORTION SUPPLIED BY LAKE MCINTOSH RESERVOIR EXCHANGE)
- OLIGARCHY DITCH
- OLIGARCHY DITCH SERVICE AREA (PORTION SUPPLIED BY LAKE MCINTOSH RESERVOIR)
- ST. VRAIN CREEK



NOTE:  
AERIAL PHOTO FROM GOOGLE MAPS

JOB NO. 0426.004.00

LAKE MCINTOSH RESERVOIR	
LAKE MCINTOSH RESERVOIR SERVICE AREAS	
DEERE & AULT CONSULTANTS, INC.	FIGURE NO. 1
DATE: 11-20-15	SCALE: AS NOTED

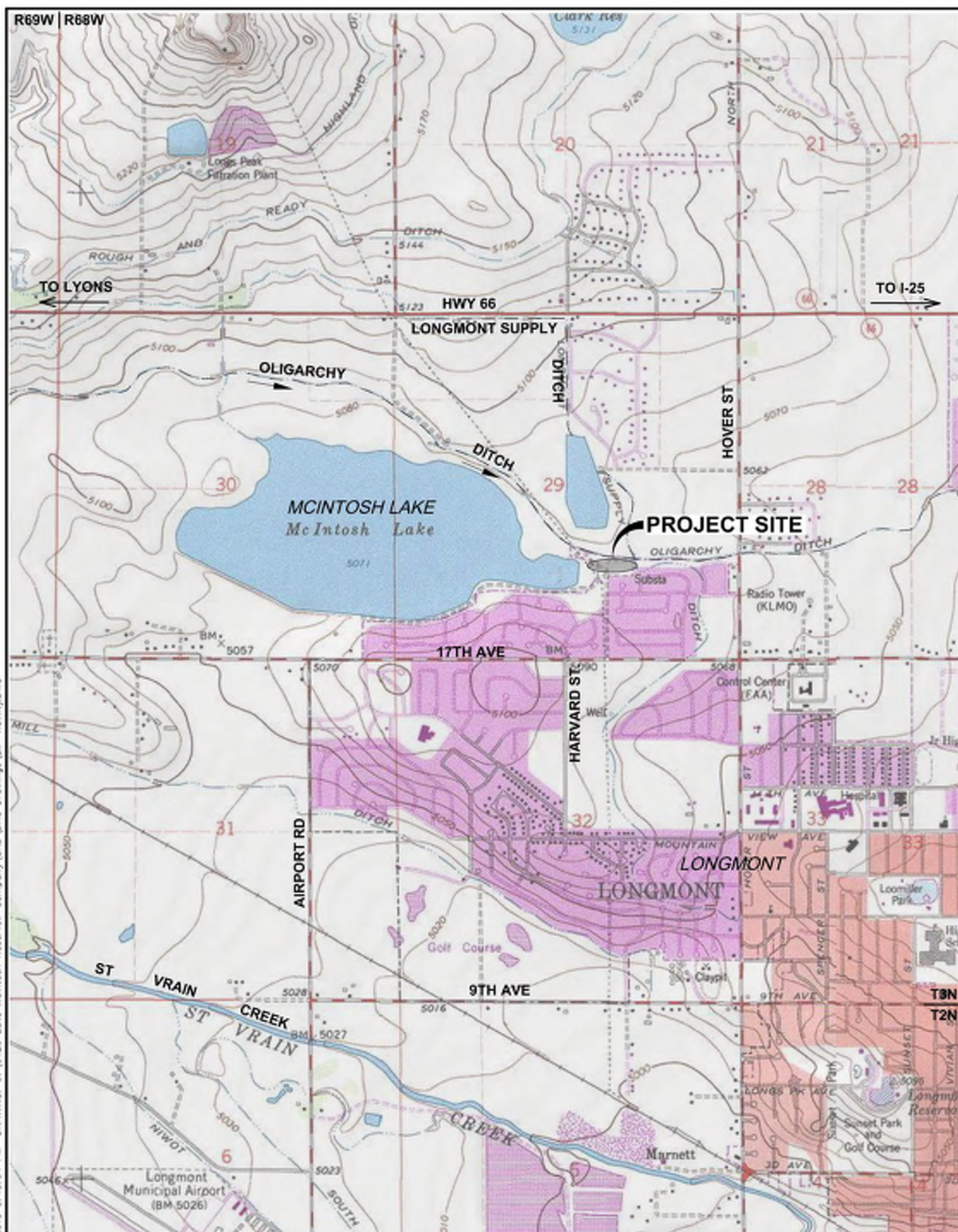


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# APPENDIX A

## PRELIMINARY PLAN DRAWINGS

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**DEERE & AULT**  
CONSULTANTS, INC.

**LAKE MCINTOSH  
OUTLET PIPE REPAIR ALTERNATIVES**  
Vicinity Map

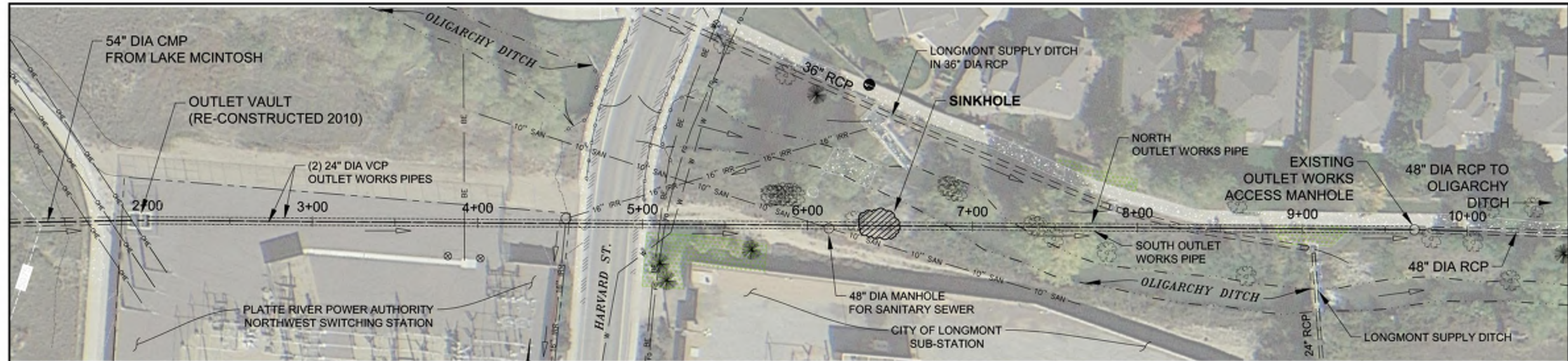
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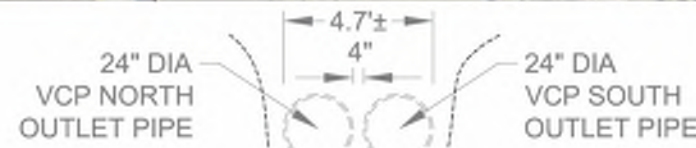
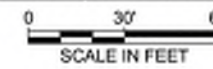
FIGURE NO.

A-1



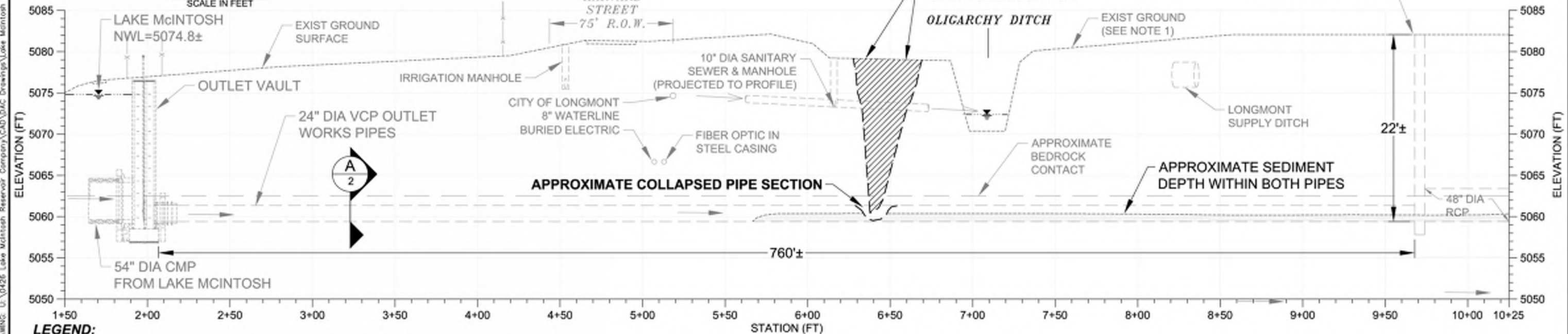


**EXISTING LAKE MCINTOSH  
OUTLET WORKS (VCP SECTION) - PLAN**

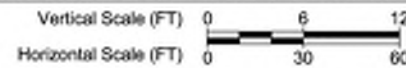


**EXISTING OUTLET WORKS PIPE SECTION**

A  
2



**EXISTING LAKE MCINTOSH OUTLET WORKS (VCP SECTION) - PROFILE**



**NOTES:**

1. GROUND SURFACE ELEVATION HAS BEEN ESTIMATED FROM FIELD OBSERVATIONS AND SITE SURVEY ON SEPTEMBER 24, 2015 AND THE EXISTING CONDITIONS SURVEY PROVIDED BY FLATIRONS INC. IN FEBRUARY 2010. OLIGARCHY DITCH WATER DEPTH WAS APPROXIMATELY 2 FEET ON SEPTEMBER 24, 2015.
2. LOCATION OF EXISTING UTILITIES TAKEN FROM FLATIRONS, INC. FEBRUARY 2010 SURVEY AND EXHIBIT TITLED "EXISTING CONDITIONS EXHIBIT" AND FROM INFORMATION PROVIDED BY CITY OF LONGMONT.
3. AIR PHOTO WAS TAKEN FROM GOOGLE EARTH IMAGERY.

**DRAFT**

JOB NO. 0426.001.00

**LAKE MCINTOSH  
OUTLET PIPE REPAIR ALTERNATIVES  
Existing Outlet Works Conditions**

**DEERE & AULT  
CONSULTANTS, INC.**

FIGURE NO.  
A-2

DATE: 10-1-15

SCALE: AS NOTED





**PHOTO 1 - INSIDE THE WEST END OF THE SOUTH 24" VCP OUTLET WORKS PIPE**



**PHOTO 2 - WEST END OF THE 2-(24") VCP OUTLET WORKS PIPES**

**NOTE:** PHOTOS TAKEN DURING CONSTRUCTION OF THE NEW OUTLET WORKS VAULT IN SEPTEMBER 2010.

**DEERE & AULT**  
CONSULTANTS, INC.

**LAKE MCINTOSH**  
**OUTLET PIPE REPAIR ALTERNATIVES**  
24in VCP Outlet Works Photos

JOB NO.

0426.004.00

SCALE:

AS NOTED

FIGURE NO.

A-3





**PHOTO 3 - NORTH 24" DIAMETER VCP OUTLET WORKS PIPE**

PHOTO SHOWS MISSING CRACKED CROWN AND SEDIMENT WITHIN PIPE.  
PHOTO IS EAST OF THE JUNE 25TH SINK HOLE LOCATION AND WAS TAKEN  
FROM THE EXISTING MANHOLE (STA 9+70) LOOKING TOWARDS THE WEST



**PHOTO 4 - SOUTH 24" DIAMETER VCP OUTLET WORKS PIPE**

PHOTO SHOWS COBBLE SEDIMENT WITHIN PIPE.  
PHOTO IS EAST OF THE JUNE 25TH SINK HOLE LOCATION AND WAS TAKEN  
FROM THE EXISTING MANHOLE (STA 9+70) LOOKING TOWARDS THE WEST

**NOTE:** PHOTOS TAKEN JUNE 2015.

**DEERE & AULT**  
CONSULTANTS, INC.

**LAKE MCINTOSH**  
**OUTLET PIPE REPAIR ALTERNATIVES**  
North & South VCP Outlet Works Pipes

JOB NO.

0426.004.00

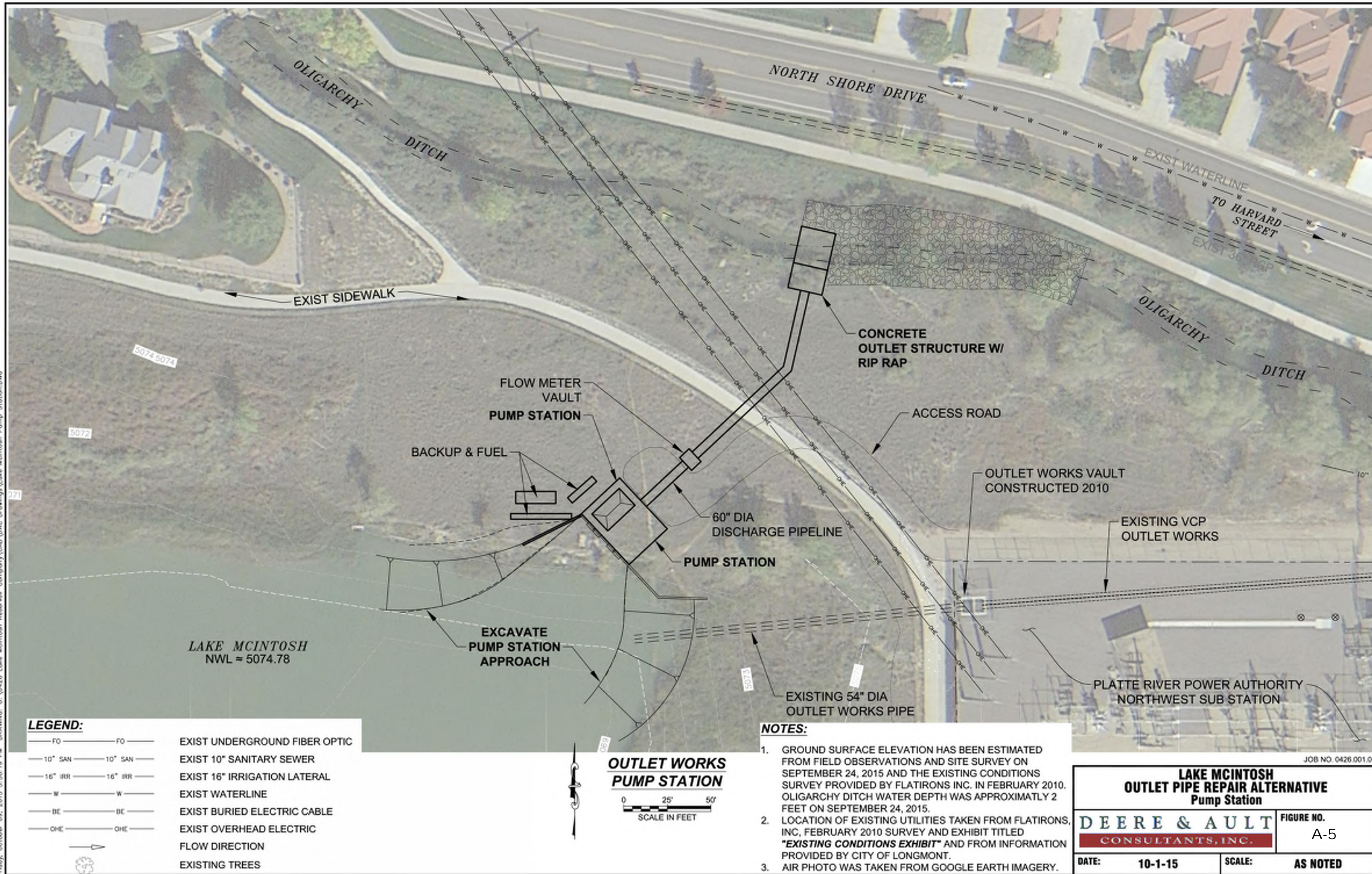
SCALE:

AS NOTED

FIGURE NO.

A-4

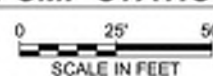




**LEGEND:**

FO	FO	EXIST UNDERGROUND FIBER OPTIC
10" SAN	10" SAN	EXIST 10" SANITARY SEWER
16" IRR	16" IRR	EXIST 16" IRRIGATION LATERAL
W	W	EXIST WATERLINE
BE	BE	EXIST BURIED ELECTRIC CABLE
OHE	OHE	EXIST OVERHEAD ELECTRIC
		FLOW DIRECTION
		EXISTING TREES

**OUTLET WORKS  
PUMP STATION**



**NOTES:**

1. GROUND SURFACE ELEVATION HAS BEEN ESTIMATED FROM FIELD OBSERVATIONS AND SITE SURVEY ON SEPTEMBER 24, 2015 AND THE EXISTING CONDITIONS SURVEY PROVIDED BY FLATIRONS INC. IN FEBRUARY 2010. OLIGARCHY DITCH WATER DEPTH WAS APPROXIMATELY 2 FEET ON SEPTEMBER 24, 2015.
2. LOCATION OF EXISTING UTILITIES TAKEN FROM FLATIRONS, INC. FEBRUARY 2010 SURVEY AND EXHIBIT TITLED "EXISTING CONDITIONS EXHIBIT" AND FROM INFORMATION PROVIDED BY CITY OF LONGMONT.
3. AIR PHOTO WAS TAKEN FROM GOOGLE EARTH IMAGERY.

**LAKE MCINTOSH  
OUTLET PIPE REPAIR ALTERNATIVE  
Pump Station**

**DEERE & AULT  
CONSULTANTS, INC.**

FIGURE NO.  
A-5

DATE: 10-1-15

SCALE: AS NOTED

JOB NO. 0426.001.00







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APPENDIX B  
LAKE MCINTOSH RESERVOIR COMPANY  
ARTICLES OF INCORPORATION AND BY LAWS

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**ARTICLES OF INCORPORATION** Form 7.102.102.1 revised 11/13/00

Filing fee: \$50.00 This document must be typed or machine printed.

If more space is required, continue on attached 8½" x 11" sheet(s).

Deliver 2 copies to: Colorado Secretary of State, Business Division,  
1560 Broadway, Suite 200, Denver, CO 80202-5169

ABOVE SPACE FOR OFFICE USE ONLY

The undersigned, acting as the incorporators of a reservoir company pursuant to § 7-42-101, *et seq.*, Colorado Revised Statutes (C.R.S.), delivers these Articles of Incorporation to the Colorado Secretary of State for filing, and states as follows:

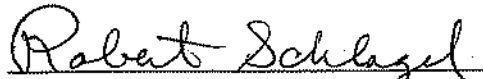
1. The entity name of the corporation is: Lake McIntosh Reservoir Company.
2. The total number of shares that the corporation is authorized to issue is 2,816 shares of common stock.
3. The street address of the corporation's initial registered office and the name of its initial registered agent at that office are: 4309 State Highway 66, Longmont, CO 80504; Name: Jill Baty.
4. The address of the corporation's initial principal office is: 4309 State Highway 66, Longmont, CO 80504.
5. The purpose of the corporation: The purpose of the corporation is to operate and manage assets associated with McIntosh Reservoir located generally in the West One-half and the Southeast Quarter of Section 29, and the East One-half and the Southwest Quarter of Section 30, all in Township 3 North, Range 69 West of the 6<sup>th</sup> P.M., County of Boulder, State of Colorado, including, but not limited to, the management of all water rights, contracts and leases associated with the McIntosh Reservoir, and to conduct any lawful business not inconsistent with § 7-42-101, *et seq.*, of the Colorado Revised Statutes.
6. The name and address of the incorporators are: Robert Schlagel, 17038 Weld County Road 17, Platteville, CO 80651; James E. Anderson, 3528 Weld County Road 28, Longmont, CO 80504; Mark Nygren, 20008 Weld County Road 13, Johnstown, CO 80534; Tom Reynolds, c/o Reynolds Cattle Company, P. O. Box 675, Longmont, CO 80502; and Nick Sekich, Jr., 6769 Weld County Road 32, Platteville, CO 80651.
7. The undersigned consents to appointment as the corporation's initial registered agent:  
Registered Agent Jill Baty  
Jill Baty
8. The address to which the Secretary of State may send a copy of this document upon completion of filing (or to which the Secretary of State may return this document if filing is refused) is: Bernard, Lyons, Gaddis & Kahn, P.C., c/o Wendy Rudnik, P. O. Box 978, Longmont, CO 80502
9. Limitations of Director Liability: A director of the corporation shall not be personally liable to the corporation or its shareholders for money damages for breach of fiduciary duty as a director

FILED  
DONETTA DAVIDSON  
COLORADO SECRETARY OF STATE  
20011156788 M  
\$ 50.00  
SECRETARY OF STATE  
08-09-2001 17:34:26


COMPUTER UPDATE COMPLETE  
CS

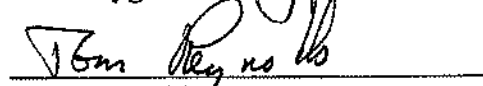
except for liability arising from (i) any breach of the director's loyalty to the corporation or its shareholders; (ii) acts or omissions not in good faith or which involve intentional misconduct or ignoring violation of any law; (iii) any transaction for which the director derived any improper personal benefit; or (iv) any other act expressly proscribed or for which the directors are otherwise liable under the Colorado Corporation Code. Any repeal or modification of this paragraph (section) by the shareholders of the corporation shall not adversely affect any right or protection of the director of the corporation existing at the time of such repeal or modification.


Incorporator's Signatures:

  
Robert Schlagel

  
James E. Anderson

  
Mark Nygren

  
Tom Reynolds

  
Nick Sekich, Jr.



BY-LAWS  
OF  
LAKE MCINTOSH RESERVOIR COMPANY  
September 10, 2001

ARTICLE I  
Office

The principal office of the Company shall be located in the State of Colorado.

ARTICLE II  
Stock

The stock of this Company is divided into 2,816 shares of common stock.

ARTICLE III  
Stockholders Meeting

3.1 Annual Meeting. The annual meeting of the stockholders shall be held each year at a date and time set by the Board of Directors for the purpose of electing directors and for transaction of such other business as may come before the meeting. The meeting shall be held at a place selected by the Board of Directors and included in the notice of the meeting.

3.2 Special Meetings. Special meetings of the stockholders for any purpose or purposes, unless otherwise prescribed by statute, may be called by the President or by the Board of Directors and shall be called by the President at the written request of the holders of not less than one-tenth of all the outstanding shares of the Company entitled to vote at the meeting.

3.3 Notice of Meetings. Notice of annual or special meetings of the stockholders shall be given to holders of outstanding stock no fewer than ten nor more than sixty days before the date of the meeting; except that, if the number of authorized shares is to be increased, at least thirty days' notice shall be given. The objects of all special meetings shall be stated in the written notice.

3.4 Quorum. A majority of the outstanding shares of the stock of the Company, represented in person or by proxy, shall constitute a quorum at any meeting of the stockholders.

3.5 Voting of shares. Each outstanding share of the preferred stock of the Company and each outstanding share of the common stock of the Company shall be entitled to one vote at any meeting of the stockholder. A stockholder may vote by proxy executed in writing.

3.6 Cumulative Voting. Cumulative voting shall be allowed.

1 of 5 pages.

## **ARTICLE IV**

### **Board of Directors**

4.1 General Powers. The business and affairs of the Company shall be managed by its Board of Directors.

4.2 Directors. There shall be five Directors. Each Director shall serve a three-year term except at the first annual meeting when the election of directors shall be: one for a one-year term, two for a two-year term, and two for a three-year term. Their terms shall be staggered so that not less than one nor more than two shall be elected at each annual meeting. Each elected Director shall hold office until his/her successor shall have been elected and qualified.

4.3 Meetings. Regular meetings of the Board shall be held as necessary at a time and place designated by the Board. Special meetings may be held at any time and place. Notice of the time and place of all special meetings shall be given by the President or Secretary to each Director not later than three days prior to the date set for the special meeting.

4.4 Quorum. A majority of the number of Directors shall constitute a quorum for the transaction of business at any meeting of the Board of Directors.

4.5 Vacancies. Any vacancy occurring in the Board of Directors may be filled by the affirmative vote of a majority of the remaining Directors, for the unexpired term of the directorship thus vacated.

4.6 Compensation. The Directors may be paid their expenses of attendance at each meeting of the Board of Directors, and may be paid a fixed sum for attendance or a stated salary as Director. No such payment shall preclude any Director from serving the Company in any other capacity and receiving compensation therefor.

## **ARTICLE V**

### **Officers**

5.1 Officers. The Officers of the Company shall be president, vice-president, secretary, treasurer, and superintendent, each of whom shall be elected by the Board of Directors.

5.2 Term of Office. Each Officer shall hold office for one year or until his/her successor shall have been duly elected and qualified, or until his/her death, or until he/she shall resign, or shall have been removed from office by the Board of Directors.

5.3 President. The President shall be the principal executive officer of the Company and, subject to the control of the Board of Directors, shall in general supervise and control all of the business and affairs of the Company. He/she shall preside at meetings of the stockholders and of the Board of Directors. He/she may sign for the Company any instruments of writing pertaining to the business of the Company.

5.4 Vice-President. In the absence of the President or in the event of his death, inability or refusal to act, the Vice-President shall perform the duties of the President and when so acting shall have all powers and be subject to all of the restrictions upon the President.

5.5 Secretary. The Secretary shall keep the minutes of the stockholders and directors meetings, give notices in accordance with these by-laws, be custodian of the corporate records of the Company, have general charge of the stock transfer books of the Company, and in general perform all duties incident to the Office of Secretary as may, from time to time, be assigned to him/her by the President or the Directors. The Secretary may be a member of the Board, but is not required to be.

5.6 Treasurer. The Treasurer shall have charge and custody of and be responsible for all funds and securities of the Company, receive and give receipts for moneys due and payable to the Company, and deposit all such moneys in the name of the Company in such depositories as shall be selected by the Directors, and in general he/she shall perform all the duties incident to the Office of Treasurer and such other duties as may, from time to time, be assigned to him/her by the President or the Directors. He/she shall furnish financial reports as requested by the Directors, and an annual report for the fiscal year of the Company to the stockholders at the annual meetings. He/she shall pay out funds of the Company only on the order of the Board of Directors. The Treasurer shall be bonded, at the expense of the Company, as required by the Board.

5.7 Superintendent. The Superintendent shall have charge of McIntosh Reservoir and shall be responsible for maintaining the reservoir and related facilities in good operating condition. He/she shall keep the time of laborers and report it to the Directors at each meeting or whenever called upon by the President. He/she shall have control over all headgates and measuring boxes and of the flow of water into the reservoir and of its distribution there from. All of the Superintendent's duties shall be under the supervision of the Board.

## ARTICLE VI

### Certificates for Shares of Stock and Their Transfer

6.1 Certificates. Certificates representing shares of the Company shall be in such form as may be determined by the Board of Directors. Such certificates shall be signed by the President and the Secretary, and shall be impressed with the seal of the Company. All certificates for shares of preferred stock shall be consecutively numbered and all certificates surrendered to the Company for transfer shall be canceled and no new certificate shall be issued until the former certificate for a like number of shares and for the same class of stock shall have been surrendered and canceled, except that in cases of a lost, destroyed or mutilated certificate a new one may be issued there from upon such terms and indemnity to the Company as the Board of Directors may prescribe.

6.2 Transfer of Shares. Transfer of shares of the Company shall be made only on the stock transfer books of the Company by the record holder thereof or by his/her legal representative, upon surrender for cancellation of the certificate for such shares and upon compliance with the requirements of the rules and regulations of the Company. The person in whose name shares stand on the books of the Company shall be deemed by the Company to be the owner thereof for all purposes. No transfer of stock of the Company shall be made without payment to the Company of a transfer fee set by the Board of Directors, plus reimbursement of the Company's fees incurred in the transaction including, but not limited to, legal engineering, marketing and other fees.

6.3 Fractional Shares. No less than one share shall be transferred on the books of the Company.

6.4 Liens. The Company shall have a perpetual lien upon all shares of stock and the water rights represented thereby for any and all assessments and parts thereof until the same are fully paid. No stock shall be transferred until all assessments delinquent thereon are paid to the Company.

#### ARTICLE VII Fiscal Year

7.1 The fiscal year of the Company shall be from January 1<sup>st</sup> to December 31<sup>st</sup>.

#### ARTICLE VIII Irrigation System

All division boxes, headgates and measuring devices shall be maintained by the Company at its expense. No new turn-outs, division boxes, checks, headgates, or other structures shall be placed in the reservoir of the Company without the prior consent of the Board of Directors, and all such structures shall be installed at the expense of the stockholder or other person requesting the same, under the supervision of the Superintendent.

#### ARTICLE XI Assessments

9.1 The Directors may levy such assessments as they deem advisable.

9.2 If any stockholder shall fail to pay the assessment or other indebtedness against his/her stock when due as determined by the Directors, the Company may sell or declare a forfeiture of said shares. Neither a sale nor a forfeiture of the shares shall take place or be declared unless demand has been made to the stockholder in writing mailed to the last known address of said stockholder at least 30 days prior to the time that the sale is scheduled or the forfeiture is to take effect. In the event the Company declares a forfeiture after notice as provided above, any past due assessments or other amounts due the Company from said stockholder shall be canceled.

9.3 In the event of sale, the Company shall publish notice of said sale at least twice in a paper of general circulation in Boulder County including, but not limited to, the Boulder Daily Camera or Longmont Daily Times-Call or other newspaper of general circulation in the service area of the Company requesting sealed bids to be submitted to a person or entity designated by the Company by a date certain. The Company shall sell said shares to the highest bidder. The Company may reserve the right not to sell in the event the high bid is not sufficient to cover the amounts owing the Company as outlined above. Any proceeds of a sale over the amount of the past due assessments, interest calculated at 18% per annum compounded annually, reasonable attorneys' fees, publication and other expenses of the sale, shall be refunded to the delinquent stockholder.

**ARTICLE X**  
**Amendments**

These by-laws may be altered, amended, or repealed at any regular meeting of the Board of Directors by a 4/5<sup>th</sup> vote of the Directors. Notice of any proposed alteration, amendment, or repeal shall be given in writing by posting at the office of the Company at the preceding regular meeting.

**ARTICLE XI**  
**Attorneys' Fees**

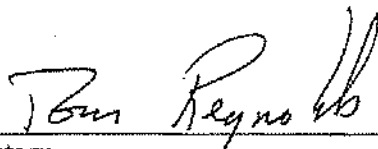
Any stockholder who brings an unsuccessful judicial action against the Company shall be responsible for the Company's reasonable attorneys' fees and costs in defending such an action. Unsuccessful is intended to mean that the stockholder did not substantially prevail in his/her action against the Company.

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**BY-LAWS CERTIFICATE**

The undersigned certifies that he/she is the Secretary of the Lake McIntosh Reservoir Company and that, as such, is authorized to execute this certificate on behalf of said Company, and further certifies that attached hereto is a complete and correct copy of the presently effective by-laws of said Company.

DATED: September 17, 2001

  
\_\_\_\_\_  
Secretary

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## APPENDIX C

### FOUR YEARS OF FINANCIAL STATEMENTS

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APPENDIX D  
LAKE MCINTOSH'S SHAREHOLDER LIST

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# LMRC Stock Ownership Report -Confidential

CUSTOMER #	320	Stock#	Shares
ALMA & RAY SCHOOL LLC		466	15
203 PARFITT WAY STE. 200			
BAIN BRIDGE WA 98110		Total	15

CUSTOMER #	105	Stock#	Shares
James Anderson		383	6
6876 CR 5			
Erie CO 80516		Total	6

CUSTOMER #	454	Stock#	Shares
Anderson Water Association		1	2
c/o Jim Martin			
830 Hwy 66		Total	2
Longmont, CO 80504			

CUSTOMER #	376	Stock#	Shares
CHARLES R AUSTIN		584	3
PATRICIA L AUSTIN			
8941 WOODLAND ROAD		Total	3
LONGMONT, CO 80503			

CUSTOMER #	144	Stock#	Shares
ED Babovec		180	2
11953 VERMILLION ROAD			
LONGMONT CO 80501		Total	2

CUSTOMER #	35	Stock#	Shares
William Baldwin		45	1
13738 WCR 3			
Longmont CO 80504		Total	1

CUSTOMER #	136	Stock#	Shares
Floyd Ballard		88	2
8786 YELLOWSTONE ROAD			
LONGMONT CO 80503		Total	2



CUSTOMER #	135	Stock#	Shares
Stuart Barnes		72	1
13606 WCR 3			
LONGMONT CO 80504		Total	1

CUSTOMER #	30	Stock#	Shares
James Baumann		34	8
P O Box 2002			
MONTROSE CO 81402		Total	8

CUSTOMER #	455	Stock#	Shares
R. Clark Beavers		1	1
8955 Vermillion Road			
Berthoud CO 80506		Total	1

CUSTOMER #	155	Stock#	Shares
Edward Bendelow		372	1
HANA VANCAMPEN			
3759 VALEVIEW LAND (WCR 36)		Total	1
MEAD, CO 80542			

CUSTOMER #	377	Stock#	Shares
PHILIP CHARLES BENEDICT		585	1
JOANNE BALDWIN BENEDICT			
14753 WCR 3		Total	1
LONGMONT, CO 80504			

CUSTOMER #	457	Stock#	Shares
Darrell Benjamin		1	1
Marjorie A Benjamin			
PO Box 607		Total	1
Angel Fire, NM 87710			

CUSTOMER #	130	Stock#	Shares
Benson Farms LLC		264	16
BILL WOODS		531	20
530 HOLYOKE COURT			
FORT COLLINS, CO 80525		Total	36

CUSTOMER #	313	Stock#	Shares
BERRY FARMS LLC		574	2
2195 Chantala Ln.			
Pueblo CO 81006		Total	2

CUSTOMER #	24	Stock#	Shares
Richard Bettale		63	1
14491 COUNTY ROAD 3			
LONGMONT CO 80504-9648		Total	1
CUSTOMER #	7	Stock#	Shares
Norton Billings		64	2
1945 SPRUCE AVENUE			
LONGMONT CO 80501-4756		Total	2
CUSTOMER #	133	Stock#	Shares
Esther Binder Trustees		253	18
9783 WCR 46 1/2			
MILLIKEN CO 80543		Total	18
CUSTOMER #	142	Stock#	Shares
Richard Blatzer		223	1
Patricia Blatzer			
16525 WCR 13		Total	1
LONGMONT, CO 80651			
CUSTOMER #	139	Stock#	Shares
Sheila G Boll Living Trust		619	4
Boll			
4839 CR 34		Total	4
PLATTEVILLE, CO 80651			
CUSTOMER #	422	Stock#	Shares
David Bonde		672	2
14567 North 107th Street			
Longmont CO 80504		Total	2
CUSTOMER #	49	Stock#	Shares
Carol Boos		726	2
P O BOX 266			
MEAD CO 80542-0266		Total	2
CUSTOMER #	62	Stock#	Shares
Daniel Borys		115	1
Jo Ann Borys			
14737 WCR 3		Total	1
LONGMONT, CO 80504			

CUSTOMER #	145	Stock#	Shares
Frank Botello		98	1
20300 WCR 17			
Johnstown CO 80534		Total	1
CUSTOMER #	43	Stock#	Shares
Julia Bottom		57	2
Ken Douglas			
9240 YELLOWSTONE ROAD		Total	2
LONGMONT, CO 80501			
CUSTOMER #	451	Stock#	Shares
Boulder Creek Neighborhoods LLC		756	29
		Total	29
CUSTOMER #	406	Stock#	Shares
James Jr. Boyd		652	1
151 State Hwy 66			
Longmont CO 80504		Total	1
CUSTOMER #	108	Stock#	Shares
William Brack		192	1
17319 WCR 7			
MEAD CO 80542		Total	1
CUSTOMER #	421	Stock#	Shares
David F Bruce		671	1
Eve T Bruce			
8930 Yellowstone Road		Total	1
Longmont, CO 80503			
CUSTOMER #	340	Stock#	Shares
Connie Buckley		751	4
P O BOX 800			
MEAD CO 80542		Total	4
CUSTOMER #	140	Stock#	Shares
Theodore Bujalski		259	12
P O BOX 11334			
FT. LAUDERDALE FL 33339-1334		Total	12

CUSTOMER #	330	Stock#	Shares
Lloyd Burke		478	1
Karolyn Burke			
12905 LINDA VISTA DRIVE		Total	1
LONGMONT, CO 80504-9794			
CUSTOMER #	436	Stock#	Shares
Beulah M Burns		725	1
Bob Burns			
6950 West 55th Ave		Total	1
Arvada, CO 80002			
CUSTOMER #	397	Stock#	Shares
Melanie W Burrell		647	1
Charles E Burrell			
4320 Georgetown Drive Apt 224		Total	1
Loveland, CO 80538			
CUSTOMER #	417	Stock#	Shares
Donna Burrier Trustee		667	3
Burrier			
5615 WCR 34		Total	3
Platteville, CO 80651			
CUSTOMER #	375	Stock#	Shares
TIMOTHY L CABLE		583	1
MARY JEAN CABLE			
9069 VERMILLION ROAD		Total	1
LONGMONT, CO 80503			
CUSTOMER #	255	Stock#	Shares
Donald R Cage		393	4
Peggy P Cage			
13683 VERMILLION TRAIL		742	1
LONGMONT, CO 80504		Total	5
CUSTOMER #	213	Stock#	Shares
Catherine R Caldwell		483	1
2508 S. Coutny Road 15			
BERTHOUD CO 80513		Total	1
CUSTOMER #	265	Stock#	Shares
Phillip Camenisch		424	28
P O BOX 141			
JOHNS TOWN CO 80534		Total	28



CUSTOMER #	458	Stock#	Shares
Ron Carder		1	1
Kellee Murphy			
13841 North 115th Street		Total	1
Longmont, CO 80501			
CUSTOMER #	212	Stock#	Shares
Oscar T Carlson		677	16
Oscar T Carlson Revocable Trust			
2420 ELMHURST PLACE		Total	16
LONGMONT, CO 80503			
CUSTOMER #	369	Stock#	Shares
CARMA BAYSHORE LLC		556	5
Interest to Mile High Banks			
188 Inverness Drive West, Suite 150		650	9
ENGLEWOOD, CO 80112		Total	14
CUSTOMER #	23	Stock#	Shares
Jessie Carpenter		62	4
1809 SNOWY OWL DRIVE			
BROOMFIELD CO 80020		Total	4
CUSTOMER #	134	Stock#	Shares
Robert Cash		145	1
319 STATE HIGHWAY 66			
LONGMONT CO 80504		157	1
		Total	2
CUSTOMER #	349	Stock#	Shares
David Chaknova Trust		757	22
David Chaknova, Trustee			
		Total	22

CUSTOMER #	32		
City of Longmont		Stock#	Shares
Wesley Lowrie		32	5
1100 S Sherman Street		471	10
LONGMONT, CO 80501		476	4
		480	22
		493	20
		510	11
		516	23
		517	3
		519	2
		520	1
		523	11
		575	25
		580	9
		582	44
		546	1
		588	174
		592	65
		593	27
		595	7
		598	44
		608	22
		610	2
		607	4
		762	36
		Total	572

CUSTOMER # 188

City of Longmont  
1100 S. Sherman St  
Longmont CO 80501

Stock#	Shares
305	2
434	33
469	47
616	4
612	20
613	9
627	32
653	11
665	4
419	234
683	142
685	6
686	110
698	22
705	10
719	1
721	42
736	8
739	1
747	76
Total	814

CUSTOMER # 288

Carol Coburn  
13853 CR 3  
LONGMONT CO 80504

Stock#	Shares
753	1
Total	1

CUSTOMER # 459

David E Colburn Jr  
Carla L Colburn  
3550 WCR 32  
Longmont, CO 80504

Stock#	Shares
1	2
Total	2

CUSTOMER # 411

Colorado Mortgage Co Profit Sharing Trust  
c/o William Smith  
76 Cherry Vale Road  
Boulder, CO 80303

Stock#	Shares
659	77
Total	77

CUSTOMER #	22	Stock#	Shares
Rebecca Cooper		60	2
9065 VERMILLION ROAD		700	4
LONGMONT CO 80503		Total	6
CUSTOMER #	154	Stock#	Shares
Jon Cornelisson		170	1
Celeste St. Martin		Total	1
13580 NORTH 87TH			
LONGMONT, CO 80503			
CUSTOMER #	137	Stock#	Shares
Wayne Cox		97	6
BONNIE COX		Total	6
16262 WCR 15			
PLATEVILLE, CO 80651			
CUSTOMER #	88	Stock#	Shares
Charles Crane		133	2
Kathryn Crane		Total	2
13888 WCR 3			
LONGMONT, CO 80504			
CUSTOMER #	460	Stock#	Shares
Vernon L Culver		1	2
Millissa J Culver		Total	2
344 Little Beaver Creek Rd			
Trout Creek, MT 59874			
CUSTOMER #	327	Stock#	Shares
John Darby		484	1
Michael Darby		Total	1
10287 Vermillion Road			
Longmont, CO 80501			
CUSTOMER #	461	Stock#	Shares
Del Camino LLC		1	2
8690 Wolff Court #200		Total	2
Westminster CO 80031			
CUSTOMER #	261	Stock#	Shares
David Denesha		375	2
1313 GARDEN CIR		Total	2
LONGMONT CO 80501			



CUSTOMER #	33	Stock#	Shares
David Detro		59	1
13676 VERMILLION TRAIL			
LONGMONT CO 80504		Total	1
CUSTOMER #	12	Stock#	Shares
Carol Dierks / Living Trust		29	1
2409 Tyrrhenian Drive			
Longmont CO 80501		Total	1
CUSTOMER #	162	Stock#	Shares
Leonard Dose		728	1
13685 NORTH 115TH			
LONGMONT CO 80501		Total	1
CUSTOMER #	15	Stock#	Shares
Douthit Longmont LLC		26	49
4886 STATE HIGHWAY 66			
LONGMONT CO 80504-9613		Total	49
CUSTOMER #	20	Stock#	Shares
Joseph Drieth		68	1
AGNES DRIETH			
14850 WCR 1		Total	1
LONGMONT, CO 80504			
CUSTOMER #	462	Stock#	Shares
Walter Duran		1	4
17282 WCR 13			
Platteville CO 80651		Total	4
CUSTOMER #	304	Stock#	Shares
Gene Eberl		406	1
Goldie Eberl			
P O BOX 668		Total	1
MEAD, CO 80542			
CUSTOMER #	262	Stock#	Shares
Electric Equipment		408	3
40 West 49th Avenue, P.O. Box 16383			
Denver CO 80216		Total	3

CUSTOMER #	401	Stock#	Shares
Equinox Mead LLC and Geraldine Highland and Larry L. Highland 955 East Mineral Circle STE 100 Centennial, CO 80112		679	1
		Total	1
CUSTOMER #	381	Stock#	Shares
Brad Evans 4496 Bents Dr. Unit C WINDSOR CO 80550		643	1
		Total	1
CUSTOMER #	160	Stock#	Shares
R.L. Fallon 6164 SADDLEBACK AVE FIRESTONE CO 80520		148	1
		149	1
		Total	2
CUSTOMER #	437	Stock#	Shares
Darrell Felton Christina G Felton PO Box 203 Longmont, CO 80502		727	5
		Total	5
CUSTOMER #	404	Stock#	Shares
Robert Bruce Fickel II		648	5
		Total	5
CUSTOMER #	116	Stock#	Shares
Martha Fischer 7296 DRY CREEK ROAD NIWOT CO 80503		199	4
		Total	4
CUSTOMER #	201	Stock#	Shares
Valerie J Fleming 8989 VERMILLION ROAD LONGMONT CO 80503		723	1
		Total	1
CUSTOMER #	26	Stock#	Shares
Bruce Frederiksen 1993 MEADOW VALE ROAD LONGMONT CO 80504		66	16
		Total	16

CUSTOMER #	161	Stock#	Shares
Larrick French		142	23
1676 WCR 28			
LONGMONT CO 80504		Total	23

CUSTOMER #	168	Stock#	Shares
Lorena Gaddis		228	12
2034 FALCON DRIVE			
LONGMONT CO 80503-7946		Total	12

CUSTOMER #	222	Stock#	Shares
Pete Gallegos		738	1
and the Stella S Gallegos Family Trust			
c/o Guaranty Bank & Trust		Total	1
P O Box 1159			
Longmont, CO 80502			

CUSTOMER #	463	Stock#	Shares
Jack Ghilarducci		1	4
Nancy Winegard			
1001 WCR 32		Total	4
Longmont, CO 80504			

CUSTOMER #	464	Stock#	Shares
Stephen C Gill		1	1
Lorene Gill			
4269 WCR 358		Total	1
Westcliffe, CO 81252			

CUSTOMER #	465	Stock#	Shares
Francie A Graham		1	9
Robert R Graham			
5003 WCR 36		Total	9
Platteville, CO 80651			

CUSTOMER #	362	Stock#	Shares
Jimmy Guggenheim		547	1
22 POURTALES ROAD			
COLORADO SPRINGS CO 80906		Total	1

CUSTOMER #	466	Stock#	Shares
Gary L Haberkon		1	1
3733 WCR 6			
Erie CO 80516		Total	1

CUSTOMER #	39	Stock#	Shares
Jerry Hamlin		301	10
CATHY HAMLIN			
5198 WCR 28		Total	10
LONGMONT, Co 80504			
CUSTOMER #	61	Stock#	Shares
Hanlon		332	1
Carol Hanlon Living Trust			
14318 WCR 1		Total	1
LONGMONT, CO 80504			
CUSTOMER #	307	Stock#	Shares
Paul Hansen		414	1
Rose Hansen			
6625 WCR 5		444	2
ERIE, CO 80516			
		741	1
		Total	4
CUSTOMER #	310	Stock#	Shares
William Harper		549	2
Elizabeth Harper			
12621 UTE HIGHWAY		689	1
LONGMONT, CO 80501		Total	3
CUSTOMER #	117	Stock#	Shares
Robert Hartnagle		462	2
16164 CR 15			
Platteville CO 80651		Total	2
CUSTOMER #	467	Stock#	Shares
Raymond L Henderson		1	1
Kathleen M Henderson			
13875 North 115th		Total	1
Longmont, CO 80501			
CUSTOMER #	118	Stock#	Shares
Don Hepp		230	4
Wynona Hepp			
7444 CR 40		Total	4
Johnstown, CO 80534-9209			
CUSTOMER #	403	Stock#	Shares
Hergenreder North 80 LLC		646	8
2130 CR 28			
Longmont CO 80504		Total	8



CUSTOMER #	402	Stock#	Shares
Hergenreder South 200 LLC		645	12
2130 CR 28			
Longmont CO 80504		Total	12

CUSTOMER #	223	Stock#	Shares
Donald Hernor		270	12
8095 WEST 88TH AVE			
ARVADA CO 80005		Total	12

CUSTOMER #	295	Stock#	Shares
Hicks et al		361	14
Janet Hicks			
19761 GLENDALE LANE		Total	14
PARKER, CO 80134			

CUSTOMER #	1	Stock#	Shares
Highland Ditch Company		1	2
4309 STATE HWY 66			
LONGMONT CO 80504		1	1
		Total	3

CUSTOMER #	165	Stock#	Shares
Donald Hilgers		181	8
2322 SOUTH ROGERS STREET VILLA 2			
MESA AZ 85202		Total	8

CUSTOMER #	11	Stock#	Shares
Ronald Hocker		21	3
14762 WCR 3			
Longmont CO 80504		Total	3

CUSTOMER #	415	Stock#	Shares
HOFFMAN FARM LLC		676	2
DAVID MACY			
655 SOUTH SUNSET STREET		Total	2
NO. F			
LONGMONT, CO 80501			

CUSTOMER #	224	Stock#	Shares
Hohnholz Water Assc		268	4
2758 CHARRO AVE			
LONGMONT CO 80504		Total	4

CUSTOMER #	409	Stock#	Shares
Sam E Holst			
Carolyn A Holst		656	2
13550 Davis Lane			
Longmont, CO 80504		Total	2

CUSTOMER #	308	Stock#	Shares
Horsepheathers Farm			
Helen Clark		415	4
3325 Camden Drive			
Longmont, CO 80503		Total	4

CUSTOMER #	218	Stock#	Shares
Mary L Jacobson			
13722 NORTH 87TH STREET		277	1
LONGMONT CO 80503		Total	1

CUSTOMER #	448	Stock#	Shares
JAM Investments			
Nathan L Andersohnas		746	3
7233 Whitworth Court			
Fort Collins, CO 80528		Total	3

CUSTOMER #	141	Stock#	Shares
BUCK JR JAMES			
RONDA MOORE		225	1
13538 WCR 3			
LONGMONT, CO 80504		Total	1

CUSTOMER #	170	Stock#	Shares
Bruce L Johnson			
2207 Brehm Road		226	1
Berthoud CO 80513			
		754	1
		Total	2

CUSTOMER #	129	Stock#	Shares
Johnson et al			
Mary L Johnson		687	1
9300 YELLOWSTONE ROAD			
LONGMONT, CO 80503		Total	1

CUSTOMER #	418	Stock#	Shares
Verne C Keenan			
Kathleen Keenan		668	8
5200 CR 34			
Platteville, CO 80651		Total	8

CUSTOMER #	219	Stock#	Shares
Kevin R Kempf		292	1
9059 VERMILLION ROAD			
LONGMONT CO 80503		Total	1

CUSTOMER #	405	Stock#	Shares
Jane F King		693	5
Farm Credit Services			
200 Hubbel Street		Total	5
Berthoud, CO 80513			

CUSTOMER #	71	Stock#	Shares
Kiteley Farms LTD		105	37
13844 WCR 7			
LONGMONT CO 80504		Total	37

CUSTOMER #	19	Stock#	Shares
Thomas Krebs		67	1
14170 WCR 7			
MEAD CO 80542		Total	1

CUSTOMER #	449	Stock#	Shares
Kroes Family Revocable Trust		759	22
Mark Kroes		748	8
6058 CR 38		Total	30
Johnstown, CO 80534			

CUSTOMER #	468	Stock#	Shares
Evelyn M Kroulik		1	5
14194 North 107th			
Longmont CO 80501		Total	5

CUSTOMER #	48	Stock#	Shares
Kuehl Properties		661	2
Dennis Kuehl			
13191 NORTH 75TH STREET		Total	2
LONGMONT, CO 80503			

CUSTOMER #	469	Stock#	Shares
Kugel Ranch LLC		1	2
PO Box 177			
Hygiene CO 80533		Total	2

CUSTOMER #	175	Stock#	Shares
Joyce Lambert		186	2
35 DARTMOUTH CIRCLE			
LONGMONT CO 80501		Total	2
CUSTOMER #	446	Stock#	Shares
Larry J M Larson		749	1
9089 VERMILLION RD			
Longmont CO 80503		Total	1
CUSTOMER #	172	Stock#	Shares
LDS CHURCH		377	9
R/E DIV 521-6222 12th Floor			
50 East North Temple		Total	9
SALT LAKE CITY, UT 84150			
CUSTOMER #	434	Stock#	Shares
John D & Karen E Leonard		717	2
County of Boulder			
13830 DAVIS LANE		Total	2
Longmont, CO 80504-9100			
CUSTOMER #	174	Stock#	Shares
Corrine Lewis		319	10
14504 WCR 3			
LONGMONT CO 80504		Total	10
CUSTOMER #	220	Stock#	Shares
Michael Litzberger		329	1
14661 WCR 5			
LONGMONT CO 80504		Total	1
CUSTOMER #	208	Stock#	Shares
Steven M London		339	6
P O BOX 402			
HANOVER NM 88041		Total	6
CUSTOMER #	58	Stock#	Shares
Longmont Cemetery Assc		121	4
620 11TH AVE			
LONGMONT CO 80501		120	2
		Total	6



CUSTOMER #	414	Stock#	Shares
Longmont Quail Road LP		664	19
Andrew R Klien, Manager			
7100 East Bellevue Ave, Ste 350		Total	19
Greenwood, CO 80111			
CUSTOMER #	315	Stock#	Shares
Mary Lorenzen		456	4
NO ADDRESS		Total	4
CUSTOMER #	408	Stock#	Shares
Greg Ludlow		634	1
1909 Sundance Drive		Total	1
Longmont CO 80501			
CUSTOMER #	230	Stock#	Shares
JAMES MacDowell		272	2
KAREN MacDowell		Total	2
13926 WCR 5			
LONGMONT, CO 80504			
CUSTOMER #	226	Stock#	Shares
Madison Farms		416	8
Charles M Carr		Total	8
3728 DORAL DRIVE			
LONGMONT, CO 80503			
CUSTOMER #	424	Stock#	Shares
Margill Farms LLC		678	3
P O Box 38		Total	3
Berthoud CO 80513-0038			
CUSTOMER #	423	Stock#	Shares
Mildred M Markoff		674	4
4472 WCR 38		Total	4
Platteville CO 80651			
CUSTOMER #	470	Stock#	Shares
Sylvia R Martens (Lovisone)		1	4
PO Box 1841		Total	4
Longmont CO 80502			

CUSTOMER #	56	Stock#	Shares
David Martini		124	1
5083 WCR 38			
PLATTEVILLE CO 80651		Total	1
CUSTOMER #	445	Stock#	Shares
Kaylyn Maurer		737	2
Troy Terry			
1537 Stardance Circle		Total	2
Longmont, CO 80504			
CUSTOMER #	471	Stock#	Shares
Mayfield - Coates		1	1
16678 CR 7			
Mead CO 80542		Total	1
CUSTOMER #	66	Stock#	Shares
Michael McCarthy		110	4
13083 NORTH 75TH STREET			
LONGMONT CO 80503		109	4
		Total	8
CUSTOMER #	184	Stock#	Shares
Rodney McDonald		404	4
8476 NORTH COUNTY ROAD 17			
FORT COLLINS CO 80524		Total	4
CUSTOMER #	384	Stock#	Shares
Saralee McGroarty		615	2
8580 North County Line Road			
Longmont CO 80503		Total	2
CUSTOMER #	178	Stock#	Shares
Jim H McKinstry		417	4
Lynda McKinstry			
3750 WCR 32		436	2
MEAD, CO 80542		Total	6
CUSTOMER #	125	Stock#	Shares
Gary McLaughlin		235	2
KATHLEEN MCLAUGHLIN			
16191 WCR 17		Total	2
PLATTEVILLE, CO 80651-9404			

CUSTOMER #	372	Stock#	Shares
MEAD CROSSINGS LLC		566	36
COLLATERAL WITH HORIZON			
1200 17TH STREET		Total	36
SUITE 850			
DENVER, CO 80202			
CUSTOMER #	244	Stock#	Shares
Baldomero Melendez		236	1
BARTOLA MELENDEZ			
4520 WCR 34		Total	1
PLATTEVILLE, CO 80561			
CUSTOMER #	419	Stock#	Shares
Dennis R Melichar		669	3
Cheryl L Melichar			
14046 NORTH 107th STREET		Total	3
Longmont, CO 80504			
CUSTOMER #	472	Stock#	Shares
Richard Metzger		1	1
14745 WCR 3			
Longmont CO 80504		Total	1
CUSTOMER #	227	Stock#	Shares
Danny Michaels		310	2
P O BOX 129			
HYGIENE CO 80533		Total	2
CUSTOMER #	51	Stock#	Shares
Miller Motor Sports Park		58	14
9350 SOUTH 150 EAST			
SUITE 1000		Total	14
Sandy, UT 84070			
CUSTOMER #	379	Stock#	Shares
MILLIKEN INVESTORS LLC		590	3
c/o Matt Ferlic			
333 West Hampden Ave STE 810		Total	3
Englewood, CO 80110			
CUSTOMER #	249	Stock#	Shares
Michael Minelli		348	1
13053 EAST COUNTY LINE ROAD			
LONGMONT CO 80501		Total	1

CUSTOMER #	474	Stock#	Shares
Roger A Monroe		1	1
15093 WCR 5			
Longmont CO 80504		Total	1
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CUSTOMER #	243	Stock#	Shares
Jose N Morales		346	8
16689 WCR 13			
PLATTEVILLE CO 80651		Total	8
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CUSTOMER #	180	Stock#	Shares
Ronald Morris		143	1
18501 WCR 13			
JOHNSTOWN CO 80534		662	1
		Total	2
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CUSTOMER #	364	Stock#	Shares
Mountain States Childrens Home		551	4
P O BOX 1097			
LONGMONT CO 80502		Total	4
<hr/>			
CUSTOMER #	275	Stock#	Shares
MULLIGAN LAKE		465	1
Mulligan Lake Homeowner Association			
P O BOX 641		Total	1
MEAD, CO 80542			
<hr/>			
CUSTOMER #	475	Stock#	Shares
Daniel M Murphy		1	8
14757 WCR 3			
Longmont CO 80504		Total	8
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CUSTOMER #	456	Stock#	Shares
Beck & Meyers Myers and Beck		1	1
c/o Bart Beck			
11419 Vermillion Road		Total	1
Longmont, CO 80504			
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CUSTOMER #	182	Stock#	Shares
Sammy Naranjo		229	1
13700 NORTH 87TH STREET			
LONGMONT Co 80503		Total	1



CUSTOMER #	433	Stock#	Shares
Thomas H Neiley		720	1
Kathleen C Neiley			
P O BOX 2		Total	1
Mead, CO 80542			
CUSTOMER #	179	Stock#	Shares
James Nemec		159	3
11165 YELLOWSTONE ROAD		160	8
LONGMONT CO 80504		Total	11
CUSTOMER #	251	Stock#	Shares
New Day Sunrise		374	12
BRAD JOHNSON			
1132 EAST STATE HIGHWAY 56		Total	12
BERTHOUD, CO 80513			
CUSTOMER #	185	Stock#	Shares
Joanne Newman		95	3
11197 VERMILLION ROAD			
LONGMONT CO 80501		Total	3
CUSTOMER #	360	Stock#	Shares
Charlotte Neyland		545	4
Thomas Allen			
P O BOX 228		Total	4
HYGIENE, CO 80533-0228			
CUSTOMER #	316	Stock#	Shares
Thomas Nygren		457	4
2547 W 109th Avenue			
WESTMINSTER CO 80234		Total	4
CUSTOMER #	314	Stock#	Shares
William Nygren Jr.		455	4
P O BOX 806			
NIWOT CO 80544		Total	4
CUSTOMER #	6	Stock#	Shares
Marty Oase		16	2
12809 Hillcrest Drive		17	1
LONGMONT CO 80504		15	1
		Total	4



CUSTOMER #	215	Stock#	Shares
Francis Obrecht		84	1
14619 NORTH 115TH			
LONGMONT CO 80501		Total	1
CUSTOMER #	47	Stock#	Shares
Gary O'Donnell		658	1
808 Road 47			
TEN SLEEP WY 82442		Total	1
CUSTOMER #	410	Stock#	Shares
Daniel T O'Donnell		657	1
Rachel P O'Donnell			
16795 East 105th Ave		Total	1
Commerce City, CO 80022			
CUSTOMER #	40	Stock#	Shares
Olson Bros LP		750	15
P O BOX 86			
Johnstown CO 80534-0086		Total	15
CUSTOMER #	326	Stock#	Shares
Panattoni Investments LLC		481	32
Hagan Investments LLC			
		Total	32
CUSTOMER #	44	Stock#	Shares
Park Meadows Homeowners Assc		47	4
925 Wilfred Road			
BERTHOUD CO 80513		Total	4
CUSTOMER #	476	Stock#	Shares
Patricia L Patrone		1	2
Donald P Patrone			
13480 Davis Lane		Total	2
Longmont, CO 8054			
CUSTOMER #	236	Stock#	Shares
Mark Paulson		154	1
16249 WCR 13			
PLATTEVILLE CO 80651		Total	1

CUSTOMER #	234	Stock#	Shares
Lyle Pfeifer		256	2
13195 NORTH 75TH STREET			
LONGMONT CO 80503		Total	2
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CUSTOMER #	319	Stock#	Shares
Helen Pitchford		464	8
1422 White Hall Drive			
Unit 12 A		Total	8
Longmont, CO 80501-7986			
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CUSTOMER #	311	Stock#	Shares
Alice Platt		443	3
Kevin Moersch			
284 BACK O BEYOND CIRCLE		1	2
SEDONA, AZ 86336		Total	5
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CUSTOMER #	373	Stock#	Shares
PROVENANCE LLC		589	4
3223 ARAPAHOE AVENUE SUITE 123			
BOULDER CO 80303		Total	4
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CUSTOMER #	231	Stock#	Shares
Public Service		294	4
ATTN WATER RESOURCES DEPARTME			
4653 TABLE MOUNTAIN DRIVE		293	4
GOLDEN, CO 80403		295	4
		296	17
		297	16
		Total	45
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CUSTOMER #	477	Stock#	Shares
Barbara L Qualls		1	3
c/o Mark Qualls			
2031 WCR 28		Total	3
Longmont, CO 80504			
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CUSTOMER #	478	Stock#	Shares
Richard Qualls		1	3
c/o Mark Qualls			
2031 WCR 28		Total	3
Longmont, CO 80504			

CUSTOMER #	91	Stock#	Shares
George Quick		246	2
c/o Cody Quick			
P O BOX 484		Total	2
CARPENTER, WY 82054			
CUSTOMER #	79	Stock#	Shares
Rademacher		167	14
Rademacher Farms and			
13184 WCR 13		Total	14
Longmont, CO 80504			
CUSTOMER #	80	Stock#	Shares
Louis Rademacher		168	20
Rademacher Farms and			
13184 WCR 13		Total	20
Longmont, CO 80504			
CUSTOMER #	131	Stock#	Shares
Edward Rademacher		262	4
2439 EAGLEVIEW CIR			
Longmont CO 80504		Total	4
CUSTOMER #	425	Stock#	Shares
Everett Todd & Tori Ann Randleman		718	4
County of Boulder			
P O BOX 203		Total	4
HYGIENE, CO 80533			
CUSTOMER #	491	Stock#	Shares
Tom Rea		1	4
Kay Rea			
17890 WCR 5		Total	4
Berthoud, CO 80513			
CUSTOMER #	239	Stock#	Shares
Marvin Reckling		183	2
13931 115TH			
LONGMONT CO 80501		Total	2
CUSTOMER #	42	Stock#	Shares
Reo-Deo Resources LP		56	4
1906 CHERRY LANE			
JOHNSTOWN CO 80534		Total	4

CUSTOMER #	169	Stock#	Shares
Rita Gibson Living Trust		127	1
Gibson			
13624 North 87th Street		Total	1
Longmont, CO 80503-9213			
CUSTOMER #	479	Stock#	Shares
Daniel A Robson		1	1
Sharon E Robson			
4527 WCR 36		Total	1
Platteville, CO 80651			
CUSTOMER #	480	Stock#	Shares
Rocky Mountain Fuel		1	10
8020 South CR 5 STE 200			
Windsor CO 80528		1	18
		Total	28
CUSTOMER #	481	Stock#	Shares
Irene V Rodriguez		1	1
PO Box 17153			
Boulder CO 80308		Total	1
CUSTOMER #	482	Stock#	Shares
Roman and Red		1	1
CJK Ranch c/o John Miller			
2954 Sowata Bay Ct		Total	1
Longmont, CO 80503			
CUSTOMER #	483	Stock#	Shares
Fidel A Roybal		1	2
Francisca V Roybal			
307 North 23rd Ave		Total	2
Greeley, CO 80631			
CUSTOMER #	387	Stock#	Shares
DENNIS A RUFF		622	1
15470 WCR 5			
LONGMONT CO 80504		Total	1
CUSTOMER #	233	Stock#	Shares
Russell Family Trust		275	8
Russell			
Margaret, Tom L & Partnership		Total	8
16882 WCR 1			
LONGMONT, CO 80504			



CUSTOMER #	301	Stock#	Shares
Pete Salazar		673	12
Paul Salazar			
John Salazar and Esteban Salazar		Total	12
7051 Hwy 66			
PLATTEVILLE, CO 80651			
CUSTOMER #	484	Stock#	Shares
Steven Schwartzberger		1	1
Doreen R Schwartzberger			
10915 Vermillion Road		Total	1
Longmont, CO 80501			
CUSTOMER #	203	Stock#	Shares
David C Schwind		276	2
17900 WCR 5			
BERTHOUD CO 80513		Total	2
CUSTOMER #	92	Stock#	Shares
Roger Seat		254	2
Julia Seat			
2537 BREHM ROAD		Total	2
BERTHOUD, CO 80513			
CUSTOMER #	282	Stock#	Shares
Section 24 Water Users Association		131	1
13295 EAST COUNTY LINE ROAD			
LONGMONT CO 80504		Total	1
CUSTOMER #	365	Stock#	Shares
Sherrelwood INC		552	10
c/o Jack Fowler			
5501 JAY ROAD		Total	10
BOULDER, CO 80301			
CUSTOMER #	245	Stock#	Shares
Bessie W Shirk (Woods)		548	18
107 ALLINE STREET			
LOUISVILLE CO 80027		Total	18
CUSTOMER #	68	Stock#	Shares
Harold Sigg		107	2
VERNA SIGG			
2337 RANCHERO ROAD		Total	2
Longmont, CO 80504			



CUSTOMER #	199	Stock#	Shares
Jane, Myra Silengo		267	8
2498 STATE HIGHWAY 66			
LONGMONT CO 80504		Total	8
CUSTOMER #	34	Stock#	Shares
Singletree Ranch HOA		42	1
P O BOX 591			
MEAD CO 80542		Total	1
CUSTOMER #	334	Stock#	Shares
Yvonne Slack		488	1
12002 VERMILLION ROAD			
LONGMONT CO 80504		Total	1
CUSTOMER #	258	Stock#	Shares
Nancy Slater		146	2
Nancy Slater Trust		147	2
13433 WCR 7			
LONGMONT, CO 80504-9611		Total	4
CUSTOMER #	416	Stock#	Shares
Jeff L. Smith		666	1
Pauli A Smith			
16778 CR 5		Total	1
Mead, CO 80542			
CUSTOMER #	389	Stock#	Shares
Somerset Meadows LLC		609	2
		Total	2
CUSTOMER #	485	Stock#	Shares
Southdown Inc		1	3
c/o Cemex			
PO Box 529		Total	3
Lyons, CO 80540			
CUSTOMER #	67	Stock#	Shares
St Vrain Valley School		108	4
REIJ		221	3
395 SOUTH PRATT PARKWAY		311	6
LONGMONT, CO 80501		Total	13

CUSTOMER #	86	Stock#	Shares
St. Vrain and Left Hand Water Conservancy		126	6
9595 NELSON ROAD BOX C			
LONGMONT Co 80501		513	1
		Total	7
CUSTOMER #	293	Stock#	Shares
STATE OF COLORADO		328	4
BOARD OF LAND COMMISSIONERS			
1220 11TH AVE SUITE 302		578	4
GREELEY, CO 80631		Total	8
CUSTOMER #	176	Stock#	Shares
Lee Stevenson		227	1
Sandra J Stevenson			
13299 EAST COUNTY LINE ROAD		Total	1
Longmont, Co 80504			
CUSTOMER #	246	Stock#	Shares
Kay A Stillman		691	2
17554 CR 5			
BERTHOUD CO 80513		Total	2
CUSTOMER #	390	Stock#	Shares
Stillroven Farm Inc		611	8
Federal Land Bank of Wichita			
17629 WCR 5		Total	8
BERTHOUD, CO 80513			
CUSTOMER #	350	Stock#	Shares
William Streckenbach		532	1
Lori Streckenbach			
8899 VERMILLION ROAD		Total	1
LONGMONT, CO 80503-7887			
CUSTOMER #	93	Stock#	Shares
Robert Stroh		174	3
Louise Stroh			
19463 WCR 19		175	4
JOHNSTOWN, CO 80534		Total	7
CUSTOMER #	94	Stock#	Shares
Warren Stroh		176	1
19463 WCR 19			
Johnstown CO 80534		177	1
		Total	2

CUSTOMER #	204	Stock#	Shares
Robert J Sweeney		255	1
0511 WCR 28			
LONGMONT CO 80504		Total	1
CUSTOMER #	60	Stock#	Shares
Thomas Symns		117	1
Norma Symns			
12973 NORTH 87TH		118	3
LONGMONT, CO 80503		Total	4
CUSTOMER #	247	Stock#	Shares
Paul D Temple		239	4
5252 WCR 34			
PLATTEVILLE CO 80651		Total	4
CUSTOMER #	488	Stock#	Shares
Lenna A Thompson		1	2
Ralph W Thompson			
13775 WCR 3		Total	2
Longmont, CO 80504			
CUSTOMER #	487	Stock#	Shares
Randall W Thompson		1	4
PO Box 177			
Hygiene CO 80533		Total	4
CUSTOMER #	65	Stock#	Shares
Hui-Li Tiao		758	4
2200 BLUEBELL AVENUE			
BOULDER CO 80302		Total	4
CUSTOMER #	452	Stock#	Shares
Triple J Farms LLC		761	6
1129 CR 28			
Longmont CO 80504		Total	6
CUSTOMER #	450	Stock#	Shares
Howard Martin Trostel		752	1
Elizabeth Anne Trostel			
8750 WCR 361/2		Total	1
Platteville, CO 80651			



CUSTOMER #	196	Stock#	Shares
Michael A. Urban		314	1
2448 BREHM ROAD			
BERTHOUD CO 80513		Total	1
CUSTOMER #	489	Stock#	Shares
John Vancil		1	1
William and Teresa Creech			
2208 Brehm Road		Total	1
Berthoud, CO 80513			
CUSTOMER #	490	Stock#	Shares
Patricia S Vickland		1	1
James R Vickland			
1330 Sunset Street		Total	1
Longmont, CO 80501			
CUSTOMER #	156	Stock#	Shares
Frances Vonalt		337	1
P O BOX 294			
MEAD CO 80542		Total	1
CUSTOMER #	263	Stock#	Shares
Vonalt Family Trust		318	1
P O BOX 294			
MEAD CO 80542		Total	1
CUSTOMER #	292	Stock#	Shares
Peter Vranjes		325	1
Michele Vranjes			
19251 WCR 13		Total	1
Johnstown, CO 80534			
CUSTOMER #	287	Stock#	Shares
Brian Ward		241	1
Diane Ward			
14505 WCR 3		Total	1
LONGMONT, CO 80504			
CUSTOMER #	430	Stock#	Shares
Gary W Ward		704	8
15025 CR 23 1/2			
Platteville CO 80651		Total	8

CUSTOMER #	82	Stock#	Shares
Theodore Webber		134	2
14514 WCR 13			
Platteville CO 80651		Total	2
CUSTOMER #	57	Stock#	Shares
Roger Weibel		400	8
14388 North 95th Street		459	2
Longmont CO 80504		Total	10
CUSTOMER #	359	Stock#	Shares
Amy Weinstein		544	1
13850 North 87th Street			
Longmont CO 80502		Total	1
CUSTOMER #	242	Stock#	Shares
Weld County Land Investors		359	19
C/O CAPITAL AGRICULTURAL PROPERTY		360	8
ATTN: CURTIS TALLEY JR. MANAGER			
4916 TOWNSEND COURT		Total	27
MONTAGUE, CO 49437			
CUSTOMER #	492	Stock#	Shares
Merrill Welker		1	3
5800 Owensmouth Ave Apt 30			
Woodland Hills CA 91367-4933		Total	3
CUSTOMER #	426	Stock#	Shares
Wells Fargo Bank N.A.		688	6
2164 35th Avenue			
Greeley CO 80634		Total	6
CUSTOMER #	318	Stock#	Shares
Ronald West		463	8
1422 WHITE HALL DRIVE UNIT 12-A			
LONGMONT CO 80501-7986		Total	8
CUSTOMER #	291	Stock#	Shares
West Wind Ranch		299	4
8905 WOODLAND ROAD			
LONGMONT CO 80503		Total	4

CUSTOMER #	493	Stock#	Shares
Robert Wierwille		1	2
Jerri J Wierwille			
8011 Ute Highway		Total	2
Longmont, CO 80503			
CUSTOMER #	367	Stock#	Shares
Leonora (Trustee) Willson Backlund		554	5
Sarah Broderick			
2621 WISTERIA COURT		Total	5
GRAND JUNCTION, CO 81506-8528			
CUSTOMER #	73	Stock#	Shares
Don Wilson		99	2
Jerilyn Wilson			
1601 SHERMAN WAY		Total	2
Longmont, CO 80501			
CUSTOMER #	289	Stock#	Shares
Maybelle Wilson		250	4
W Donald Wilson			
P O BOX 632		Total	4
MEAD, CO 80542			
CUSTOMER #	18	Stock#	Shares
Elsie Winn		23	4
2309 SOUTH COUNTY LINE ROAD			
BERTHOUD CO 80513		Total	4
CUSTOMER #	317	Stock#	Shares
George Woolery		461	2
Leslie Woolery			
7465 WCR 34		Total	2
PLATTEVILLE, CO 80651			
CUSTOMER #	113	Stock#	Shares
Brenda Young		96	2
5139 CR 38			
Platteville Co 80651		Total	2
CUSTOMER #	453	Stock#	Shares
Sarah E & James A Young		743	2
County of Boulder			
PO Box 410		Total	2
Hygiene, CO 80533			



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APPENDIX E  
CWCB LOAN APPLICATION

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**COLORADO****Colorado Water  
Conservation Board**

Department of Natural Resources

**Water Project Loan Program**

<b>Application Type</b>	
<input checked="" type="checkbox"/> Prequalification (Attach 3 years of financial statements) <input checked="" type="checkbox"/> Loan Approval (Attach Loan Feasibility Study)	
<b>Agency/Company Information</b>	
Company / Borrower Name: Lake McIntosh Reservoir Company	
Authorized Agent & Title: Nelson Tipton, President	
Address: 4309 State Highway 66, Longmont, CO 80504	
Phone: ( ) 303-651-8365	Email: nelson.tipton@longmontcolorado.gov
Organization Type: <input checked="" type="checkbox"/> Ditch Co. <input type="checkbox"/> District <input type="checkbox"/> Municipality	
Incorporated? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
<input checked="" type="checkbox"/> Other: Reservoir Company	
County: Boulder	Number of Shares/Taps: 2,816
Water District: 5	Avg. Water Diverted/Yr <sup>1.533</sup> acre-feet
Number of Shareholders/Customers Served:	Current Assessment per Share \$ <sup>0</sup> (Ditch Co)
248	Average monthly water bill \$ (Municipality)
<b>Contact Information</b>	
Project Representative: Jill Baty, 4309 State Highway 66, Longmont, CO 80504	
Phone: ( 970 ) 535-4531	Email: highlandditch@aol.com
Engineer: Deere and Ault Consultants, Inc. 600 S. Airport Road, Suite A205, Longmont, CO 80503	
Phone: ( 303 ) 651-1468	Email: glen.church@deereault.com
Attorney: Vranesh and Raisch, LLP. 1720 14th Street, Suite 200, Boulder, CO 80302	
Phone: ( 303 ) 443-6151	Email: pjz@vrlaw.com
<b>Project Information</b>	
Project Name: Lake McIntosh Reservoir Outlet Works Repair	
Brief Description of Project: (Attach separate sheets if needed)	
The Lake McIntosh Reservoir existing outlet works pipes collapsed which caused a sink hole to occur and washed soils into the outlet works system. The reservoir can't release any water which causes the dam to be unsafe and the water can't be used for irrigating through direct flow and exchange flow. Lake McIntosh Reservoir service area is the Oligarchy Ditch downstream of the outlet works discharge and the Highland Ditch through an exchange. Six alternatives were considered and the most feasible alternative was open cut and cover to replace the two existing 24 inch vitrified clay pipes with a 48 inch pipe. The SEO has stated that the emergency drawdown capacity can't be less than the existing capacity.	
General Location: (Attach Map of Area)	
Other Costs include permitting	
Estimated Engineering Costs: 290,000	Estimated Construction Costs: 1,474,000
Other Costs (Describe Above): 100,000	Estimated Total Project Costs: 1,900,000
Requested Loan Amount: (Limit 90% of Total Project Costs) 1,710,000	Project Start Date(s) Design: Early 2016 Construction: 2016
<b>Signature</b>	
 Signature / Title Date: 11-24-15	Return to: Finance Section Attn: Anna Mauss 1313 Sherman St #718 Denver, CO 80203 Ph. 303/866.3449 e-mail: anna.mauss@state.co.us