Exhibit A
STATEMENT OF WORK

WATER ACTIVITY NAME – JACKSON LAKE DREDGING FEASIBILITY STUDY

GRANT RECIPIENT – JACKSON LAKE RESERVOIR AND IRRIGATION COMPANY

FUNDING SOURCE – DREDGING GRANT PROGRAM FUNDS

GENERAL DESCRIPTION OF PROJECT

Jackson Lake Reservoir and Irrigation Company (the Company) owns and operates Jackson Lake Reservoir (Jackson Lake). The dam and reservoir were constructed in about 1905 for the purpose of storing water for irrigation.

Jackson Lake is an off-stream reservoir located in Morgan County, Colorado, approximately 17 miles northwest of Fort Morgan, Colorado. Specifically, the reservoir is located in Sections 14, 15, 21, 22, 23, and 27, Township 5 North, Range 60 West of the 6th Prime Meridian. Access to the reservoir is via State Highway 144 to Morgan County Road 3. Jackson Lake is filled by water from the South Platte River. Water is diverted off of the South Platte River by a diversion headgate located on the north bank of the South Platte River and transported to Jackson Lake by means of an inlet canal.

Jackson Lake has an initial decree of 30,992 acre-feet at a depth of 28.7 feet above the bottom of the outlet tube with a Priority No. 20, an Appropriation Date of May 18, 1901, and an Adjudication Date of January 15, 1914. It further has a decree with a Priority No. 20 for filling to gage height 30.0 feet for an additional storage of 4,637 acre-feet. A refill decree was also granted for 8,269.92 acre-feet with a Priority number of 20R, Appropriation Date of December 31, 1929, and an Adjudication Date of June 8, 1965. The Company also has a right to store 1,200 acre-feet of seep water from what is known as the Day Seep which was granted through court case 85CW450 with an Appropriation Date of December 31, 1973 and a date of Adjudication of December 31, 1985.

The Company has had discussions over the years of dredging some or all of the sediment from the bottom of the reservoir to recapture some or all of the original storage capacity. When the water level is low, water in storage on the north side of Jackson Lake is cut off from the outlet by accumulated sediment that have been deposited by the filler ditch. It is estimated that this stranded pool holds approximately 2,000 acre-feet of water.

The Company is considering dredging to restore the usable capacity of Jackson Lake. Prior to dredging, the Company plans to perform a feasibility study to determine a course of action to restore their full storage rights.

TASKS

The objective of this project is to prepare a dredging feasibility study per the following tasks:

Task 1: Historical Review and Data Gathering

Collect and review historical information regarding purpose, construction, and original capacity of the Jackson Lake Reservoir – Compile information regarding major historical modifications to the structure since it was originally constructed.

Task 2: Project Planning and Coordination

Develop detailed plan and schedule for activities associated with the feasibility analysis and report. Coordinate all work with Jackson Lake Reservoir Staff and interested stakeholders.

Task 3: Reservoir Bathymetric Survey

Survey the bottom of the reservoir utilizing bathymetric surveying instruments operated from a powerboat. Additional detail will be surveyed in the area of probable channel dredging between the existing outlet and the existing dead pool.

Task 4: Reservoir Perimeter General Survey

Perform a perimeter survey of the reservoir and construct test borings/sediment sampling at various locations inside and around the perimeter of the reservoir in order to obtain sediment samples to analyze grain size distribution for dredging work.

Task 5: Office Computations-Dredging Options

Calculate the amount of storage lost due to sedimentation, comparing existing conditions to available historic information. Determine approximate volumes for various dredging operations.

Task 6: 3D Reservoir Model

Develop current area-capacity curves and a current base model for the reservoir.

Task 7: Cost Estimates

Evaluate and determine potential costs for dredging operations needed to:

- Construct a channel from the existing remote dead pool to the reservoir outlet
- Restore the capacity of Jackson Lake to its original capacity
- Increase the capacity of Jackson Lake to a storage volume greater than its original capacity

Task 8: Feasibility Report

Prepare a feasibility report with cost estimates for various options to increase the current useable capacity of Jackson Lake Reservoir

REPORTING AND FINAL DELIVERABLE

General Reporting: The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of the executed contract until completion. The progress report shall describe the completion or partial completion of the statement of work, including a description of any major issues that have occurred and any corrective action taken to address these issues.

Final Deliverable: At completion of the project, the applicant shall provide the CWCB a final report that summarizes the project and documents the project. This report must contain photographs, summaries of meetings and reports/studies.

PROJECT COST ESTIMATE

CWCB Dredging Grant Program funds will be disbursed at a cumulative maximum 50% of the total of all invoices submitted for reimbursement for qualified project costs.

Table 1: Estimated Costs/Funding Sources

Task	Cost
Task 1: Historical Review and Data Gathering	$ 1,733
Task 2: Project Planning and Coordination	$ 1,682
Task 3: Reservoir Bathymetric Survey	$ 15,135
Task 4: Reservoir Perimeter General Survey	$ 9,185
Task 5: Office Computations-Dredging Options	$ 8,505
Task 6: 3D Reservoir Model	$ 4,851
Task 7: Cost Estimates	$ 3,566
Task 8: Feasibility Report	$ 4,099
Total Project Costs:	$ 48,756
CWCB Reservoir Dredging Grant Program Funding (50%)	$ 24,378
Company Cash Funding	$ 24,378

Table 2: Project Schedule

Tasks	Start Date	Finish Date
Feasibility Study	**Effective Date**	**Effective Date + 12 Months**

PAYMENT

Payment will be made based on actual expenditures and invoicing by the applicant. Invoices from any other entity (i.e. subcontractors) cannot be processed by the State. The request for payment must include a description of the work accomplished by major task, and estimate of the percent completion for individual tasks and the entire water activity in relation to the percentage of budget spent, identification of any major issues and proposed or implemented corrective actions. The last 10 percent of the entire water activity budget will be withheld until final project/water activity documentation is completed. All products, data and information developed as a result of this grant must be provided to the CWCB in hard copy and electronic format as part of the project documentation. This information will in turn be made widely available to Basin Roundtables and the general public and help promote the development of a common technical platform.