



**Grand Valley Water Users Association
Grand Valley Project
1147 24 Road, Grand Junction, CO 81505
Phone: 970-242-5065 Fax: 970-243-4871
www.GrandValleyWaterUsers.com**

July 27, 2018

Chris Sturm
Colorado Water Conservation Board
1313 Sherman Street, Room 721
Denver, CO 80203

Dear Mr. Sturm:

Grand Valley Water Users Association (GVWUA) is applying for the Colorado Water Conservation Board's (CWCB) Colorado Water Plan Grant Funds under the Agricultural category for the Roller Dam Electrical and Control Systems Upgrades Project Part 2. This Project will include upgrading the electrical system inside the Roller Dam to meet current electrical code requirements, provide redundancy for overall electrical operations, and provide an alternative source of electrical power to the USFWS fish passage. This Project will also continue electrical improvements to the Roller Dam Rehabilitation project. The Roller Dam Rehabilitation project was identified as a Basinwide "Top Priority" project in the Colorado River Basin Implementation Plan (BIP). Five priority projects were identified as part of the Roller Dam Rehabilitation project, and the Electrical Upgrades were identified as the second priority project. The first priority, was lining the upper 500 feet of the Government Highline Canal (GHC) which was completed in spring 2018.

GVWUA plans to contribute about \$25,000 in cash to the project as well as in-kind services. The CWCB Colorado Water Plan Grant is the first grant that GVWUA is seeking to fund this project. It is anticipated additional grant funding will be secured through the Bureau of Reclamation's WaterSMART Water and Energy Efficiency Grant Program. The Reclamation WaterSMART time to apply for this grant will be during January to May 2019 timeframe. GVWUA has had success in the past receiving grant funds for the Roller Dam Rehabilitation project from the Bureau of Reclamation.

GVWUA also plans to reach out to other stakeholders and organizations to support this project. The support from CWCB Colorado Water Plan Grant will play a critical role to securing additional financial support for the Roller Dam Electrical and Control Systems Upgrades Project Part 2.

We appreciate your consideration of this request and look forward to hearing from you!

Sincerely,

A handwritten signature in cursive script that reads "Mark Harris".

Mark Harris
General Manager
Grand Valley Water Users Association



Last Updated: June 2018

Colorado Water Conservation Board
Water Plan Grant Application

Instructions		
<p>To receive funding for a Water Plan Grant, applicant must demonstrate how the project, activity, or process (collectively referred to as "project") funded by the CWCB will help meet the measurable objectives and critical actions in the Water Plan. Grant guidelines are available on the CWCB website.</p> <p>If you have questions, please contact CWCB at (303) 866-3441 or email the following staff to assist you with applications in the following areas:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> Water Storage Projects Conservation, Land Use Planning Engagement & Innovation Activities Agricultural Projects Environmental & Recreation Projects </td> <td style="width: 50%; vertical-align: top;"> Anna.Mauss@state.co.us Kevin.Reidy@state.co.us Ben.Wade@state.co.us Alexander.Funk@state.co.us Chris.Sturm@state.co.us </td> </tr> </table> <p>FINAL SUBMISSION: Submit all application materials in one email to <u>waterplan.grants@state.co.us</u> in the original file formats [Application (word); Statement of Work (word); Budget/Schedule (excel)]. Please do not combine documents. In the subject line, please include the funding category and name of the project.</p>	Water Storage Projects Conservation, Land Use Planning Engagement & Innovation Activities Agricultural Projects Environmental & Recreation Projects	Anna.Mauss@state.co.us Kevin.Reidy@state.co.us Ben.Wade@state.co.us Alexander.Funk@state.co.us Chris.Sturm@state.co.us
Water Storage Projects Conservation, Land Use Planning Engagement & Innovation Activities Agricultural Projects Environmental & Recreation Projects	Anna.Mauss@state.co.us Kevin.Reidy@state.co.us Ben.Wade@state.co.us Alexander.Funk@state.co.us Chris.Sturm@state.co.us	

Water Project Summary	
Name of Applicant	
Name of Water Project	
CWP Grant Request Amount	\$ 25,000
Other Funding Sources _____	\$
Other Funding Sources _____	\$
Other Funding Sources _____	\$
Applicant Funding Contribution	\$ 8,000
Total Project Cost	\$ 33,000



Last Updated: June 2018

Name of Grantee(s) Lower Arkansas Valley Water Conservancy District
Mailing Address 801 Swink Ave, Rocky Ford, CO 81067
FEIN 48-1298144
Organization Contact Jay Winner
Position/Title General Manager
Email jwiner@lowerark.com
Phone 719- 254-5115
Grant Management Contact Mike Weber
Position/Title Staff Engineer
Email 719-254-5115
Phone mweber@lowerark.com
Name of Applicant (if different than grantee) North La Junta Conservancy District – Rose Ward
Mailing Address 17 Ash St, La Junta, CO 81050
Position/Title Secretary and Treasurer
Email avonrose@bresnan.net
Phone 719-384-2026
Description of Grantee/Applicant
Provide a brief description of the grantee's organization (100 words or less).
The Lower Arkansas Valley Water Conservancy District ("Lower Ark") is a water conservancy district established in 2002 pursuant to Colorado law, C.R.S. § 37-45-101 et seq. Lower Ark's mission is to acquire, retain and conserve water resources within the Lower Arkansas River; to encourage the use of such water for the socio-economic benefit of the District citizens; and to participate in water-related projects that will embody thoughtful conservation, responsible growth, and beneficial water usage within the Lower Arkansas Valley.
North La Junta Conservancy District is a local non-profit with the interest of protecting the Arkansas River through North La Junta.

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Type of Eligible Entity (check one)	
	Public (Government): Municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities. Federal agencies are eligible, but only if they can make a compelling case for why a local partner cannot be the grant recipient.
X	Public (Districts): Authorities, Title 32/special districts (conservancy, conservation, and irrigation districts), and water activity enterprises.
	Private Incorporated: Mutual ditch companies, homeowners associations, corporations.
	Private Individuals, Partnerships, and Sole Proprietors: Private parties may be eligible for funding.
	Non-governmental organizations (NGO): Organization that is not part of the government and is non-profit in nature.
	Covered Entity: As defined in Section 37-60-126 Colorado Revised Statutes .

Type of Water Project (check all that apply)	
	Study
X	Construction
	Identified Projects and Processes (IPP)
	Other

Category of Water Project (check the primary category that applies and include relevant tasks)	
	Water Storage - Projects that facilitate the development of additional storage, artificial aquifer recharge, and dredging existing reservoirs to restore the reservoirs' full decreed capacity and Multi-beneficial projects and those projects identified in basin implementation plans to address the water supply and demand gap.. <i>Applicable Exhibit A Task(s):</i>
X	Conservation and Land Use Planning - Activities and projects that implement long-term strategies for conservation, land use, and drought planning. <i>Applicable Exhibit A Task(s):</i>
	Engagement & Innovation - Activities and projects that support water education, outreach, and innovation efforts. Please fill out the Supplemental Application on the website. <i>Applicable Exhibit A Task(s):</i>
X	Agricultural - Projects that provide technical assistance and improve agricultural efficiency. <i>Applicable Exhibit A Task(s):</i>
	Environmental & Recreation - Projects that promote watershed health, environmental health, and recreation. <i>Applicable Exhibit A Task(s):</i>
	Other Explain:

Last Updated: June 2018

Location of Water Project	
Please provide the general county and coordinates of the proposed project below in decimal degrees . The Applicant shall also provide, in Exhibit C, a site map if applicable.	
County/Countries	Otero County
Latitude	37° 59'40.90"
Longitude	103° 33'35.85"

Water Project Overview
<p>Please provide a summary of the proposed water project (200 words or less). Include a description of the project and what the CWP Grant funding will be used for specifically (e.g., studies, permitting process, construction). Provide a description of the water supply source to be utilized or the water body affected by the project, where applicable. Include details such as acres under irrigation, types of crops irrigated, number of residential and commercial taps, length of ditch improvements, length of pipe installed, and area of habitat improvements, where applicable. If this project addresses multiple purposes or spans multiple basins, please explain.</p> <p>The Applicant shall also provide, in Exhibit A, a detailed Statement of Work, Budget, Other Funding Sources/Amounts and Schedule.</p>
<p>Flooding in the North La Junta Conservancy District has been endemic since the 1999 flood and continued through 2016. The flooding in 2016 created a common concern for sedimentation removal and dike construction to ensure the proper channel flows in the river from the west end of the Conservancy District to the East end of the district. In 2016 work began to build up the dike on the east end of the conservancy district along with sedimentation removal throughout the entire channel. On June 1, 2018 six (6) large islands full of sediment had been removed and the dike restored. After further evaluation it was noted that one more island on the West end of the Conservancy District should be removed to help alleviate pressure on the Arkansas River as it traverses its path. This final island is estimated at 120 feet long, 43 feet wide, and 4 feet deep for a total of 764 cubic yards of sedimentation. In comparison during phase II of the project 530 cubic yards of sedimentation were removed. This work will help the Arkansas River stay in the channel and travel the path that was originally designed for without any further pinch points.</p>



Last Updated: June 2018

Measurable Results	
To catalog measurable results achieved with the CWP Grant funds, please provide any of the following values as applicable:	
	New Storage Created (acre-feet)
	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive
	Existing Storage Preserved or Enhanced (acre-feet)
150 linear feet	Length of Stream Restored or Protected (linear feet)
	Efficiency Savings (indicate acre-feet/year OR dollars/year)
	Area of Restored or Preserved Habitat (acres)
	Quantity of Water Shared through Alternative Transfer Mechanisms
	Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning
	Number of Coloradans Impacted by Engagement Activity
	Other Explain:

Water Project Justification
<p>Provide a description of how this water project supports the goals of Colorado's Water Plan, the most recent Statewide Water Supply Initiative, and the applicable Roundtable Basin Implementation Plan and Education Action Plan. The Applicant is required to reference specific needs, goals, themes, or Identified Projects and Processes (IPPs), including citations (e.g. document, chapters, sections, or page numbers).</p> <p>The proposed water project shall be evaluated based upon how well the proposal conforms to Colorado's Water Plan Framework for State of Colorado Support for a Water Project (CWP, Section 9.4, pp. 9-43 to 9-44;)</p> <p>This project will help restore the Arkansas River through Otero County and North La Junta which will help convey water to downstream users without causing a pinch point and backing water up. This will help with efficiently delivering water to downstream users. This aligns with the Arkansas Basin BIP identified projects list which identifies projects to "Improve agricultural water supplies to reduce shortages." In the Colorado Water Plan restoration of streams, the help convey water to agricultural users is identified as a need in the Arkansas River Basin. This project aligns with this theory and will help keep water in the stream within the channel banks to help convey water to downstream users easily.</p>



Last Updated: June 2018

Related Studies

Please provide a list of any related studies, including if the water project is complementary to or assists in the implementation of other CWCB programs.

- North La Junta Streamlined Flooding Mitigation and Flow Management Phase I from May 2015 – June 2017
- North La Junta Streamlined Flooding Mitigation and Flow Management Phase II from November 2017 – June 2018
- North La Junta No Rise Permit and Engineering Analysis November 2016 – February 2017

Previous CWCB Grants, Loans or Other Funding

List all previous or current CWCB grants (including WSRF) awarded to both the Applicant and Grantee. Include: 1) Applicant name; 2) Water activity name; 3) Approving RT(s); 4) CWCB board meeting date; 5) Contract number or purchase order; 6) Percentage of other CWCB funding for your overall project.

- North La Junta Conservancy District, North La Junta Streamlined Flooding Mitigation & Flow Management Phase II, POGG1 PDAA 201800000237, \$80,000 of \$110,000 Project.
- North La Junta Conservancy District, North La Junta Streamlined Flooding Mitigation & Flow Management Phase I, POGG1 PDAA 20160000000000000771, \$25,000.
- North La Junta Conservancy District, North La Junta Hydraulic Modeling, POGG1 PDAA 201700000279, \$20,000.

Taxpayer Bill of Rights

The Taxpayer Bill of Rights (TABOR) may limit the amount of grant money an entity can receive. Please describe any relevant TABOR issues that may affect your application.

The Lower Ark District's 1.5 mill property tax levy is exempt from TABOR pursuant to the election that formed the district in 2002.



Last Updated: June 2018

Submittal Checklist	
	I acknowledge the Grantee will be able to contract with CWCB using the Standard Contract .
Exhibit A	
	Statement of Work ⁽¹⁾
	Budget & Schedule ⁽¹⁾
	<u>Engineer's statement of probable cost (projects over \$100,000)</u>
	Letters of Matching and/or Pending 3 rd Party Commitments ⁽¹⁾
Exhibit C	
	Map (if applicable) ⁽¹⁾
	Photos/Drawings/Reports
	Letters of Support (Support letter from Basin Roundtable encouraged <u>(Optional)</u>)
	Certificate of Insurance (General, Auto, & Workers' Comp.) ⁽²⁾
	Certificate of Good Standing with Colorado Secretary of State ⁽²⁾
	W-9 ⁽²⁾
	Independent Contractor Form ⁽²⁾ (If applicant is individual, not company/organization)
Engagement & Innovation Grant Applicants ONLY	
	Engagement & Innovation Supplemental Application ⁽¹⁾

(1) Required with application.

(2) Required for contracting. While optional at the time of this application, submission can expedite contracting upon CWCB Board approval.



Last Updated: Jan 16, 2018

Colorado Water Conservation Board
Water Plan Grant - Exhibit A

Statement Of Work	
Date:	July 20, 2018
Name of Grantee:	Lower Arkansas Valley Water Conservancy District
Name of Water Project:	North La Junta Streamlined Flooding Mitigation and Flow Management Phase III
Funding Source:	Colorado Water Plan – Agriculture
Water Project Overview:	
<p>Flooding in the North La Junta Conservancy District has been endemic since the 1999 flood and continued through 2016. The flooding in 2016 created a common concern for sedimentation removal and dike construction to ensure the proper channel flows in the river from the West end of the Conservancy District to the East end of the district. In 2016, work began to build up the dike on the East end of the conservancy district, along with sedimentation removal throughout the entire channel. On June 1, 2018, six large islands full of sediment had been removed and the dike restored. After further evaluation, it was noted that one more island on the West end of the Conservancy District should be removed to help alleviate pressure on the Arkansas River as it traverses its path. This final island is estimated at 120 feet long, 43 feet wide, and 4 feet deep for a total of 764 cubic yards of sedimentation. In comparison, during phase II of the project 530 cubic yards of sedimentation was removed. This work will help the Arkansas River stay in the channel and travel the path that was originally designed for without any further pinch points.</p>	
Project Objectives:	
<ul style="list-style-type: none">• Coordination and permitting with interest agencies• Removal of Sedimentation Deposition within the Arkansas River to help with Streamflow and channel capacity• Recanalization of flows on the Arkansas River downstream of the Fort Lyon Canal sluice gate• Completion of North La Junta Streamlined Streamflow Project	



Last Updated: Jan 16, 2018

Tasks
Task 1 – Coordination with Interested Agencies
Description of Task:
<p>In order to complete this project, the interested parties will need to be contacted. Like Phase I and Phase II, the Otero Count Commissioners, Army Corp of Engineers, local landowners, and any other interested party will need to be contacted. Based on work in the previous two years, a nationwide and no rise permit has been obtained and this process will not need to be executed again. The engineering on a no-rise flow method has already been performed in previous phases and funding.</p>
Method/Procedure:
<p>Telephone calls, face-to-face meetings, e-mails and other correspondence between all interested parties. Once all parties are notified, a notice to proceed will be developed for the contractor to begin working on the project.</p>
Deliverable:
<p>Verbal agreement by all interested parties to proceed with the project to ensure completion in a timely manner.</p>



Last Updated: Jan 16, 2018

Tasks	
Task 2 – Sedimentation Removal	
Description of Task:	
Removal of sedimentation from the channel bed to help with the historic river flow. The sedimentation has developed an island that is approximately 764 cubic yards in size. The sedimentation will be carried off-site to a holding location identified by Otero County.	
Method/Procedure:	
Based on the location of the islands, the dragline from phase I and II are not required to take the island out. A pedal scraper will enter in off the North Bank directly onto the island. The pedal scraper will then pick up 13 cubic yards of sediment at a time, and transport the material to the holding location. This method will be faster than that of the dragline in phases I and II. Using this will also help keep costs down.	
Deliverable:	
When completed, the sedimentation will be removed from the channel bed allowing for flowing waters from West to East. The amount of sediment removed will be approximately 764 cubic yards, but subject to fund availability.	



Last Updated: Jan 16, 2018

Tasks
Task 3 – Project Management
Description of Task: The project will require progress monitoring, final reporting, and permitting. Lower Ark will be responsible for submission of all reports and financial reimbursement. The project management will require that the completed tasks meet the objectives of the project and do not exceed the funding sources. Permitting will need to be verified, but all permits obtained during phases I and II will be extended to use during the process of this project.
Method/Procedure: The project manager will coordinate with all interested parties throughout the project including coordination with Army Corps of Engineers, Lower Ark, North La Junta, City of La Junta, CWCB and Otero County. This coordination will include permitting, progress reports, and any difficulties that might arise. The project manager will oversee the budget and payments for work to ensure timely work and within the designated budget.
Deliverable: The project will be completed on time, within budget, and with all progress reports outlining work performed.



Last Updated: Jan 16, 2018

Budget and Schedule

This Statement of Work shall be accompanied by a combined Budget and Schedule that reflects the Tasks identified in the Statement of Work and shall be submitted to CWCB in excel format.

Reporting Requirements

Progress Reports: The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of issuance of a purchase order, or the execution of a contract. The progress report shall describe the status of the tasks identified in the statement of work, including a description of any major issues that have occurred and any corrective action taken to address these issues.

Final Report: At completion of the project, the applicant shall provide the CWCB a Final Report on the applicant's letterhead that:

- Summarizes the project and how the project was completed.
- Describes any obstacles encountered, and how these obstacles were overcome.
- Confirms that all matching commitments have been fulfilled.
- Includes photographs, summaries of meetings and engineering reports/designs.

The CWCB will pay out the last 10% of the budget when the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the purchase order or grant will be closed without any further payment.

Payment

Payment will be made based on actual expenditures and must include invoices for all work completed. The request for payment must include a description of the work accomplished by task, an estimate of the percent completion for individual tasks and the entire Project in relation to the percentage of budget spent, identification of any major issues, and proposed or implemented corrective actions.

Project costs not covered by those or other grants, and are therefore the responsibility of the grantee, will be eligible for CWCB funds at the following percentages of project costs:

Type of Activity	Percent of Project Costs		
	Recommended Grant Funding Request	Max Grant Funding Request (All CWCB Sources)	Minimum Funding Match (Non-CWCB Sources)
Engineering & Construction	20%	50%	50%
Feasibility Study	50%	50%	50%
Reducing Agricultural Dry Up	50%	80%	20%
Conservation/Efficiency Methods	50%	80%	20%
Educational Efforts	50%	80%	20%
Environmental Conservation	50%	80%	20%
Watershed Improvements	50%	80%	20%
Stream Improvements	50%	80%	20%
Land Use Planning	20%	50%	50%
Recreational Projects	20%	80%	20%

Costs incurred prior to the effective date of this contract are not reimbursable. The last 10% of the entire grant will be paid out when the final deliverable has been received. All products, data and information developed as a result of this contract must be provided to CWCB in hard copy and electronic format as part of the project documentation.



COLORADO

Colorado Water
Conservation Board

Department of Natural Resources

Last Updated: Jan 16, 2018

Performance Measures

Performance measures for this contract shall include the following:

(a) **Performance standards and evaluation:** Grantee will produce detailed deliverables for each task as specified. Grantee shall maintain receipts for all project expenses and documentation of the minimum in-kind contributions (if applicable) per the budget in Exhibit B. Per Water Plan Grant Guidelines, the CWCB will pay out the last 10% of the budget when the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the purchase order or grant will be closed without any further payment.

(b) **Accountability:** Per Water Plan Grant Guidelines full documentation of project progress must be submitted with each invoice for reimbursement. Grantee must confirm that all grant conditions have been complied with on each invoice. In addition, per Water Plan Grant Guidelines, Progress Reports must be submitted at least once every 6 months. A Final Report must be submitted and approved before final project payment.

(c) **Monitoring Requirements:** Grantee is responsible for ongoing monitoring of project progress per Exhibit A. Progress shall be detailed in each invoice and in each Progress Report, as detailed above. Additional inspections or field consultations will be arranged as may be necessary.

(d) **Noncompliance Resolution:** Payment will be withheld if grantee is not current on all grant conditions. Flagrant disregard for grant conditions will result in a stop work order and cancellation of the Grant Agreement.



COLORADO
 Colorado Water Conservation Board
 Department of Natural Resources
Colorado Water Conservation Board
Water Plan Grant - Detailed Budget Estimate
Fair and Reasonable Estimate

Date: 20-Jul-18
 Name of Applicant: North La Junta Conservancy District
 Name of Water Project: North La Junta Streamlined Flooding Mitigation and Flow Management Phase III

Detailed Budget

Task	Item	Hourly Rate	# Hours	Sub-total	Item Cost	Item		Sub-total	Total	CWCB Funds	Other Matching Funds
						Quantity	Sub-total				
Task 1 - Coordination with Interested Agencies	Otero County Commissioners Public Hearing	\$ 50.00	10	\$ 500.00	\$ -	-	-	\$ -	\$ 500.00	\$ 0.00	\$ 500.00
	North La Junta Board Public Hearing	\$ 50.00	10	\$ 500.00	\$ -	-	-	\$ -	\$ 500.00	\$ 0.00	\$ 500.00
	US Army Corps of Engineering Communication	\$ 50.00	8	\$ 400.00	\$ -	-	-	\$ -	\$ 400.00	\$ 0.00	\$ 400.00
	Landowner Communication Mileage	\$ 50.00	10	\$ 500.00	\$ 0.50	200.00	\$ 100.00	\$ 100.00	\$ 500.00	\$ 0.00	\$ 500.00
Task 2 - Sedimentation Removal	Contract Labor (Sedimentation Removal per cubic yard)			\$ -	\$ 30.00	760.00	\$ 22,800.00	\$ 22,800.00	\$ 22,800.00	\$ 0.00	\$ 0.00
	Contract Labor (Sediment Delivery off Site)			\$ -	Lump sum	0.00	\$ 6,500.00	\$ 6,500.00	\$ 6,500.00	\$ 1,950.00	\$ 4,550.00
	Project Survey and Oversight Mileage	\$ 50.00	9	\$ 450.00	\$ 0.50	500.00	\$ 250.00	\$ 450.00	\$ 0.00	\$ 450.00	
Task 2 - Sedimentation Removal	Reporting and Permitting	\$ 50.00	20	\$ 1,000.00	\$ -	-	\$ -	\$ 1,000.00	\$ 0.00	\$ 1,000.00	
TOTAL									\$ 33,000.00	\$ 25,000.00	\$ 8,000.00

NOTES:

*When the application has been approved by the Board, and this budget document is being submitted for PO or contract processing, the "Name of Applicant" field MUST be changed to "Name of GRANTEE" and remove the DATE field.

Ensure that pagination is included and correct, i.e., Page 1 of 2, Page 2 of 2, etc.

Exhibit C: Maps and Photos



Figure 1: Map of the Sedimentation Island to be Removed

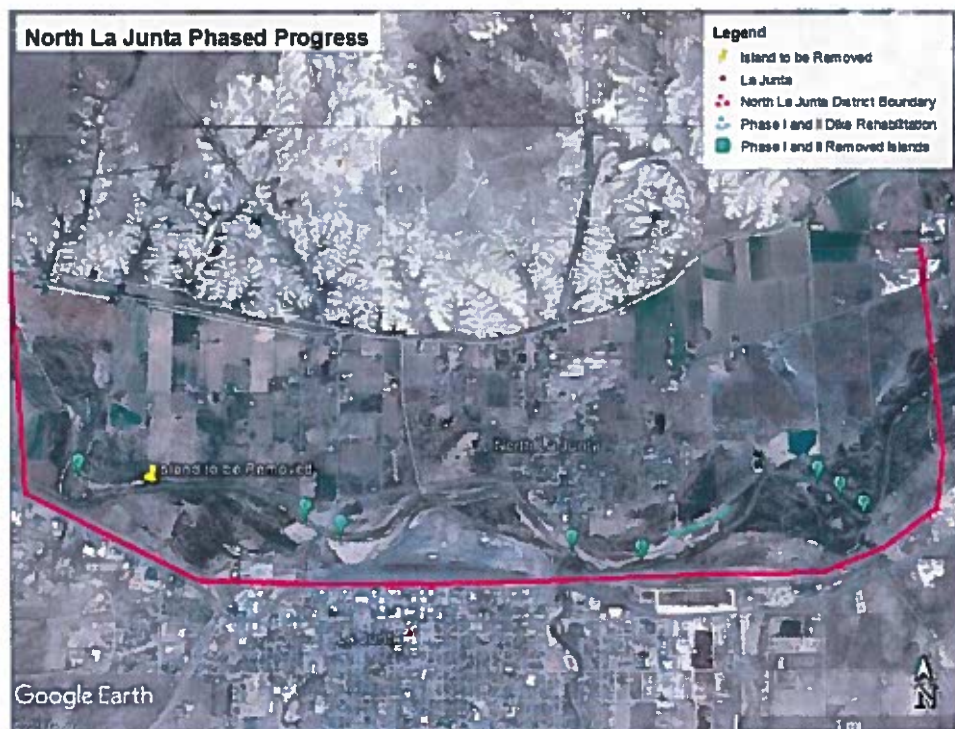


Figure 2: Map of work Completed in Phase I and II



Figure 3: Aerial Photo of the Sedimentation Island (North is to the Right)



Figure 4: Horizontal Photo of the Sedimentation Island (North is to the Right)