



United States  
Department of  
Agriculture

Forest  
Service

Uinta-Wasatch-Cache National Forest  
Ogden Ranger District

507 25<sup>th</sup> Street, Suite 103  
Ogden, UT 84401  
801-625-5112

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File Code: 1580

Date: May 2, 2014

Division of Water Quality  
Emily Bartusek  
Willard Bay Settlement  
195 North 1950 West  
PO Box 144870  
Salt Lake City, UT 84114-4870

Dear DWQ:

Enclosed for your approval is a package of project proposals for the Willard Bay Settlement. These proposals will improve the natural and social setting at Pineview Reservoir, located five miles from Ogden, Utah in the Uinta-Wasatch-Cache National Forest.

During the 2013 season, Pineview Reservoir had its highest number of visitors in history. One likely reason is that our nearby sister reservoir, Willard Bay, was not open to the public and their visitors were directed to Pineview. This large increase in visitors prompted our proposal for improving Efficient use of the existing parking and access points at Pineview Reservoir.

Since Pineview Reservoir is the heaviest used lake for its size in the State of Utah, the USDA Forest Service has invested large amounts of funding to expand and improve the developed sites. It is this significant increase of use where nearly every weekend, the beaches and marina would fill to capacity but the cars full of beach users would park anywhere they could and access the lake. The proposal to Improve operational management of the existing developed sites at Pineview is intended to increase the parking where possible to accommodate those visitors in hardened, managed sites with adequate sanitation and trash management.

The proposal to Improve Reservoir surface management at Pineview is a high priority for this office. We have been trying for years to upgrade the types of buoy markers we use and the boat used to move them. It has so far proved impossible to get appropriated Forest Service funding for this investment. I am hoping this settlement can help with this issue.

Please consider all of the proposals submitted for this funding. Contact us with any questions. Rick Vallejos will be your contact. He is available at the address and phone number in the heading.

Sincerely,

ROBERT SANCHEZ  
Ogden District Ranger

ENCLOSURES



**UTAH DIVISION OF WATER QUALITY**

195 North 1950 West

PO Box 144870

Salt Lake City, Utah 84114-4870

**Willard Bay Project Proposal Form**

**NOTE: Proposal must be no longer than 6 pages. Supplemental documents such as letters of support, information to demonstrate previous project implementation and other relative supportive documents may be submitted in addition to this form.**

Applicant Name: USDA Forest Service

Co-Applicant Name(s) (if applicable): \_\_\_\_\_

Project Title: Bluff Marina Erosion Repairs and Management

Agency or Business Name (if applicable): Uinta-Wasatch-Cache National Forest

Mailing Address: 507 25th Street, Suite 103 City: Ogden State: Utah Zip: 84401

Phone: (801) 625-5112 E-mail: rvallejos@fs.fed.us

Individual  Non-Profit  Govt. Agency  Academic  Commercial  Other

1. Estimated Project Costs:

Labor	\$ <u>14,300</u>
Materials	\$ <u>208,640</u>
Equipment	\$ <u>45,000</u>
Administration	\$ <u>0</u>
Miscellaneous	\$ <u>0</u>
TOTAL	\$ <u>253,640</u>

Other sources of project funding:

<u>US Forest Service</u>	\$ <u>14,300</u>	_____	\$_____
Source	Amount	Source	Amount
_____	\$_____	_____	\$_____
Source	Amount	Source	Amount
_____	\$_____	_____	\$_____
Source	Amount	Source	Amount
_____	\$_____	_____	\$_____
Source	Amount	Source	Amount

Total project cost including other sources of funding: \$267,940  
(please include bids for labor, equipment, rentals, etc.)

2. Describe the purpose and need of the project:

Bluff Picnicground and Marina, also known locally as Cemetery Point at Pineview Reservoir is this Ranger Districts flagship day use site. Unfortunately, because of the water currents and winds at Pineview, it has had some major problems with banks failing and materials depositing and ruining the access for recreation.

When Pineview was expanded from its original size in the late 1950's, the high water mark began impacting the high silt and clay bluffs. During the 1980's, with the assistance of the Bureau of

Reclamation, bin walls were installed at those locations that were severely eroding. Now after 25 years later, the problem has moved to where the bin walls ended and waves could get behind the ends and adjacent to the bin walls. This part of the proposal is to extend the bin walls and fill in behind them to stop this destructive erosion.

The second part of the proposal is the opposite problem. In the area we call Bluff Bay, immediately adjacent to the boat ramp, is a small bay with a narrow channel. The water currents at the reservoir work in such a manner that the southern edge of the Huntsville peninsula has major sand, silt, and clay depositions. The narrow channel and average depth of the bay is nearing the point of unusable. Currently, only if the water level is less than 20 feet down from full can the bay be used by boats. This portion of the proposal is to excavate Bluff Bay to increase its accessibility. This small bay is also the spot we long ago decided would be the best location for a handicap fishing pier. The proposal includes the purchase of a floating pier for this use.

- 3. Estimated time frame of the project with significant milestones (Note: Project must be completed with final reports filed by January 1, 2018):**  
2014: Complete Planning and NEPA approval for the developments. 2015: Begin excavation when and if the water level drops and Bluff Bay dries out. In 2015, the bin walls will be contracted for installation by a company in Salt Lake City.

- 4. Describe the location of the project with attached location map, including details on the total area that will be directly enhanced by the project:**  
Bluff Marina and Picnicground are located on the east side of Pineview Reservoir (See Map). Access it through the Town of Huntsville, Utah. The locations of the erosion where bin walls will be installed are in three different locations at the Picnicground. The most significant is on the north side of the peninsula where the current ban failure has eroded the ground to within 14' of the paved roadway. The other two locations are along the road into the Picnicground on the north side of the peninsula and right at the west end of the land where about 30' of bank have failed and fallen into the lake.

Bluff Bay is located on the south side of the Peninsula just as you enter the Developed managed facility. The parking for the boat ramp and Marina surround the west side of the bay.

- 5. Describe how the project will specifically enhance and protect waterways affected by the Willard Bay diesel release and improve the conditions of one or more of the following: wildlife, habitat, natural vegetation, water quality or emergency response:**  
These proposed projects are aimed at management of the soil movements caused by wave actions on the reservoir. The greatest improvement to the natural state of the lake is stopping the erosion of the large cliff banks where all the material drops into the water causing silt and clouding of the water, directly impacting water quality. These points are not the only large bank erosion on the 26 miles of reservoir shoreline, but these spots are directly threatening the developed facilities owned and operated by the US Forest Service.

In the case of Bluff Bay, this will benefit the natural conditions of this location by improving the fish habitat within the bay. The Forest Service Fish Biologist has indicated that we can improve and manipulate the fisheries adjacent to the installed HC floating boat pier to increase fishing success. This will be part of the future management program for Pineview. The second benefit is for emergency response. When the water level is high enough, we have an "administrative only" boat dock inside the bay where Weber County Sheriff keeps the two boats they use for patrol and emergencies. Since the bay is protected from the waves and winds found in the larger part of the reservoir, this is about the only place on the east side of the reservoir where a boat can be kept overnight.

- 6. Describe project's connectivity to other natural areas or projects that further enhance wildlife, habitat, natural vegetation, water quality or emergency response:**

The connectivity to the natural features at Pineview for the Cemetery Point peninsula where these proposed projects are located is an interesting mix of extreme high use with small pockets of natural area. On the east side of the Bluff Bay is a small Congressionally-designated Nature Area known as the Gunn McKay Nature Preserve. This was designated about 10 years ago by a group of citizens in Huntsville who felt that preserving this area would add to the rural and natural setting of the Town of Huntsville. Bluff Bay is and may be the reason that the area between Huntsville town and Bluff Marina is so natural.

**7. Describe any additional social benefits of implementing this project:**

The Huntsville peninsula is locally and popularity the center of the day-use recreation at Pineview. This is where the Weber County Sheriff is based as well as the US Forest Service. Cemetery Point is by far the most visited day-use beach at Pineview. Many of the local family members have grown up coming to the beaches at Cemetery Point with their friends.

Another social benefit of this proposal will be the creating of the HC Fishing Pier. There is not a good accessible site anywhere at Pineview Reservoir.

**8. Project plans and details, including rights to work on specified piece of land:**

Attached is the 2009 budget estimate for the bin wall installation prepared by Contech Construction Products in Salt Lake City. At this time we don't have design or plans for the work but this company did this kind of work.

The excavation of Bluff Bay will be the contracting of a large bull dozer to expand and deepen the bay in the fall or winter when it is dry. The good clean sand will be piled outside the bay to be harvested later by citizens with permission. The HC Fishing Pier will be from the same company who supplies our existing docks. An example picture is included.

**9. Describe your experience in implementing projects of similar scope and magnitude:**

The US Forest Service has a great deal of experience with these types of projects. We have on staff in our Salt Lake office teams of engineers, landscape architects, recreation planners, road maintenance crews, and the purchasing and contracting staff.

**10. Describe how ongoing maintenance of the project will be funded and carried out:**

Bluff Marina and Picnicground is an extremely large part of the existing Concessionaire Permit operation. Since these facilities are inside and a part of the operation, funding for maintenance and operation will be guaranteed. The Concessionaire fee for using the Forest Service facilities is 13% of adjusted gross revenues. At Pineview, this generates over \$130,000 annually just for maintenance and minor improvements.

When we design this site, we will keep it simple to reduce the costs of operation and maintenance of the infrastructure.

**11. List consultants or agency partners that have participated in project development (below):**

<u>American Land and Leisure</u>	<u>747 E. 1000 S. Orem, UT 84097</u>	<u>(801) 226-3564</u>
Name/Company	Address	Phone
_____	_____	_____
Name/Company	Address	Phone
_____	_____	_____
Name/Company	Address	Phone

Signature       /S/ Robert Sanchez, District Ranger        
Applicant

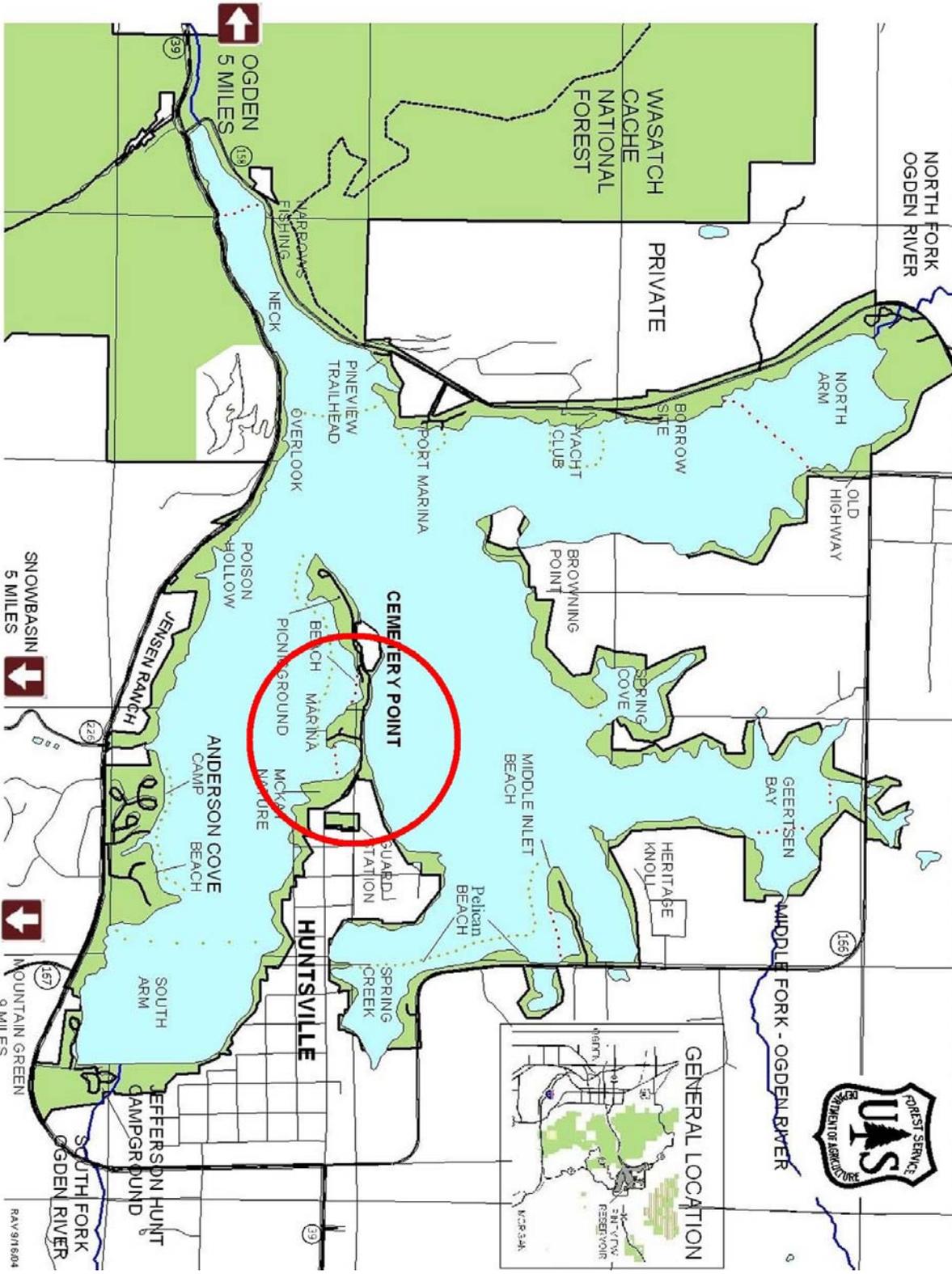
Date   May 2, 2014  

Signature \_\_\_\_\_  
Co-Applicant (if applicable)

Date \_\_\_\_\_



# PINEVIEW RESERVOIR - Uinta-Wasatch-Cache National Forest



RAV 9/16/04

Rich Larson - State Manager

Contech Construction Products

Type 2 Bin Wall  
Galvanized

1935 No 900 W SLC, UT 84116

Price per SF of Facial Area

Wall Height (ft)	Design Depth					
	A	B	C	D	E	F
4.3	\$ 17.67					
5.7	\$ 18.68					
7.0	\$ 19.46					
8.3	\$ 19.89					
9.7	\$ 20.23	\$ 21.22				
11.0	\$ 20.48	\$ 21.53				
12.3		\$ 21.93				
13.7		\$ 22.85				
15.0		\$ 23.07	\$ 24.89			
16.3		\$ 23.78	\$ 25.66			
17.7			\$ 26.16			
19.0			\$ 26.62	\$ 30.30		
20.4			\$ 26.99	\$ 30.73		
21.7			\$ 27.33	\$ 31.10	\$ 33.26	\$ 35.21
23.0				\$ 31.44	\$ 33.63	\$ 35.58
24.4				\$ 31.72	\$ 33.94	\$ 35.89
25.7				\$ 32.30	\$ 34.53	\$ 36.50
27.0					\$ 34.99	\$ 36.97
28.4					\$ 35.70	\$ 37.71

801-363-3873

@ Contech-cpi.com

Budget Estimate

15' wall

2.5' buried

17.5 Total

17.7' tall x 390' long = 6,903 S.F.

6903 S.F. x 26.16 \$/S.F. = \$ 180,582.48 F.O.B./Delivered

Attn: Rick Vallejos

fax: 801-625-5914

Bin Wall Costs