

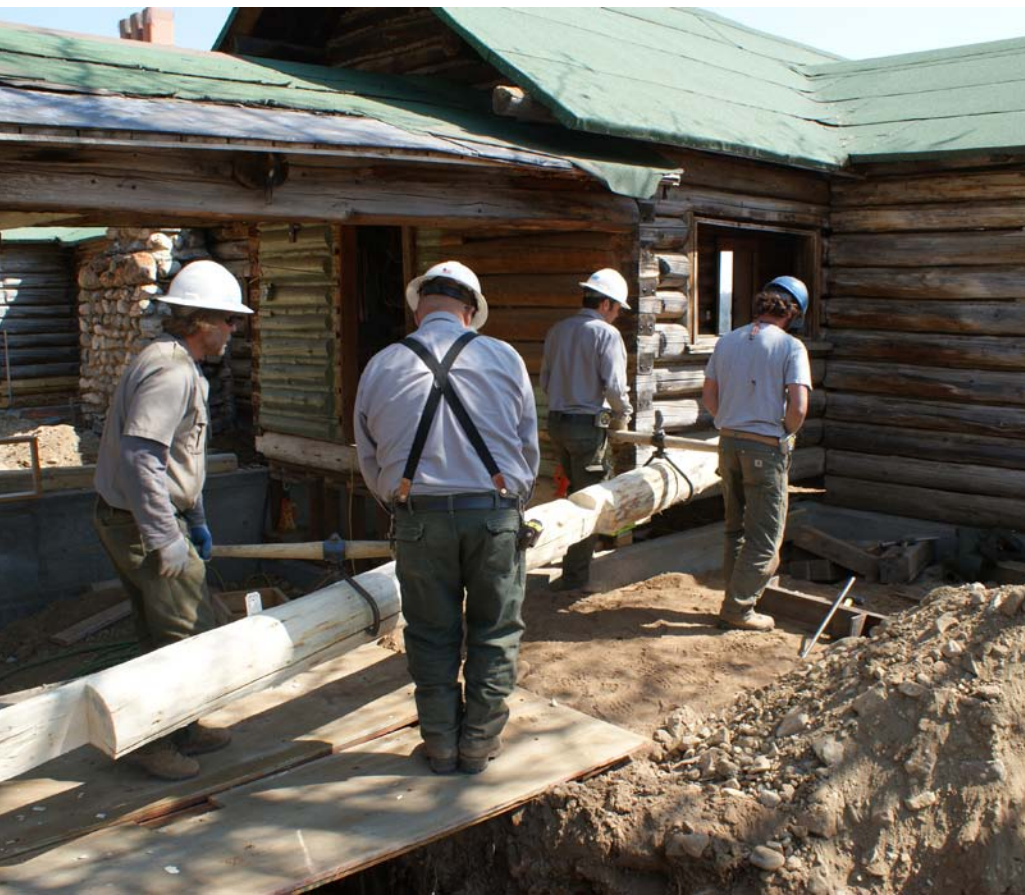
# WESTERN CENTER FOR HISTORIC PRESERVATION

National Park Service  
U.S. Department of the Interior

Grand Teton National Park  
P.O. Drawer 170  
Moose, WY 83012



## 2012 Annual Report







Intermountain Region, Executive Management Team:

John Wessels, Intermountain Regional Director

Tammy Whittington, Associate Regional Director, Science and Resource Stewardship

Sande McDermott, Assistant Regional Director, Cultural Resources

Acting Assignments, Cultural Resources:

Tef Rodeffer, Virginia Salazar Halfmoon, Paul Chattey, Jim Bradford

We would also like to recognize the following NPS staff for their administrative assistance and guidance, which was critical to the operation and success of the WCHP in 2012:

Gloria Zamora, Santa Fe, Budget Office

Stella Gonzales, Santa Fe, Budget Office

Jodi Herrera, Santa Fe, Timekeeping Office

Greg Panza, IMR, Office of Facilities Management

Vicky Jacobson, Santa Fe, Office of Historical Architecture

Todd Morgan, FMSS Coordinator, Northern Rockies Unit

Martin Hauch, Northern Rockies Contracting Office, (MABO)

Thayne O'Brien, Northern Rockies Contracting Office (MABO)

Kevin Schneider, Deputy Superintendent, Grand Teton National Park

Sue Consolo-Murphy, Chief of Science and Resources, Grand Teton National Park

Katherine (Longfield) Wonson, Cultural Resources, Grand Teton National Park

Cover Photos:

Roof removal at Snyder Basin U.S. Forest Service

Hand hewing sill log for the White Grass Dude Ranch Main Lodge

Sill log installation at the White Grass Dude Ranch Main Lodge

Window glazing installation for Minidoka National Historic Site

Structural documentation at Big Bend National Park



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U.S. Bureau of Reclamation

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WHITE GRASS DUDE RANCH HAMMOND CABIN, RESTORED 2009-2010



## Message from the Director



The following report highlights our 2012 accomplishments in preservation education and hands on preservation services. Twenty-twelve was another year of change for the Western Center for Historic Preservation. At the beginning of the fiscal year, our administration was moved from Grand Teton National Park to the Intermountain Region where we are now aligned under the IMR Resources, Science and Research directorate, Division of Cultural Resources.

This move has allowed us to reach more parks, and be part of a new “Vanishing Treasures” VT initiative which is intended to address the growing preservation backlog of western historic properties. To help direct this program, a Charter Committee made up of Superintendents and Cultural Resources Specialists from the Intermountain, Pacific West, and Alaska Regions met in the fall of 2012 to collaborate and plan VT’s future.

In addition to our realignment under the IMR, the operation of the center also benefitted from the conversion of eight seasonal positions to new term positions in 2012, and one new permanent position. Our staff includes, an architectural historian, a historic preservation architect, increasing our capacity for year round services. The additional full-time staff allowed us to complete ten projects this year, reaching major milestones at the White Grass Dude

Ranch, and an expansion of our program to include preservation planning services for our clients and projects.

Our partner, the National Trust for Historic Preservation concluded its fund raising campaign by reaching the \$950,000 it pledged to raise for White Grass Ranch. The campaign that began in 2005 was celebrated this year with a luncheon for the contributing donors at the ranch. The funds allowed rehabilitation work to begin on the main lodge at White Grass, which is the largest and most complex structure to be repaired.

In July, the entire White Grass main lodge was supported on steel I beams while a new foundation was installed. Extensive loss of historic fabric occurred during the 30 years that the lodge received no maintenance. Failure of the foundation and the removal non historic additions required significant log replacement to reverse non-historic changes that occurred after 1960. During the summer, over 128 logs were hand crafted to replace deteriorated logs that were constructed nearly 100 years ago in 1912-13. Twelve new windows matching the historic configuration were fabricated in the shop and new electrical and plumbing utilities were installed in the fall. The center hopes to have the lodge substantially completed by the fall of 2014 in time for the reunion of White Grass Wranglers, Dudes, former employees and National Trust Donors.

Also in this report, is a summary of our training and volunteer programs highlighting this year’s internships, volunteer group projects and hands on training at LBJ historical site. A window repair workshop held at WCHP, provided opportunities for “Preservation and Skills” (PAST) participants to learn how to fabricate reproduction window sash for the Johnson School house at LBJ. Then at LBJ, a log structures treatment and repair course was conducted for employees to demonstrate best practices for vernacular architecture.

Craig Struble  
Director, WCHP





## Program Staff



**Back Row (L to R):** Jack Shinkle (Preservationist), Greg Dodson (Project Manager), Hank McCurdy (Preservationist), Tim Green (Preservationist), Craig Struble (Director), Al Williams (Project Manager), Alison McLellen (Seasonal Preservationist), Jeff Olson (Preservationist), Courtney Gunderson (Historic Preservation Architect), Roger Butterbaugh (Volunteer Caretaker, White Grass)

**Front Row (L to R):** Paul Jensen (Preservationist), Ben Isaacson (Preservationist), Peter Seweryn (National Council for Preservation Education Intern), Mackenzie King (National Council for Preservation Education Intern), Chris Frank (Preservationist), Betsy Engle (Architectural Historian)





## White Grass Dude Ranch

### Quick Facts

Year rehabilitation began: 2005

Scheduled completion date: 2016

Project Leader: Al Williams

Historic Cabins: 13 (Cabins Rehabilitated: 7)

Listed in National Register of Historic Places: 1990

Period of Significance: 1913-1970

Acquired by the NPS: 1985

### Status Report

The primary preservation efforts at White Grass Dude Ranch in 2012 were directed towards the Main Cabin, where a new foundation was installed and significant log work completed. A multi-year project, the Main Cabin rehabilitation will provide the education center with classroom, library, and exhibit space. In addition to making significant strides on the Main Cabin, WCHP crews completed interior work and finish work on cabins 1157, 1158 and 1160. Labor on the three cabins was primarily accomplished during the winter and spring when snow prevented exterior work. Completion of these cabins opened an additional eight beds to volunteers during the summer.

The summer of 2012 also saw several additional milestones reached at White Grass. First, the National Trust for Historic Preservation successfully met their fundraising goals for the project, an impressive feat considering the down turn in the economy. Second, the ranch hosted the first overnight



volunteers in the completed sleeping cabins.

Overall, it was a successful and productive summer at the White Grass Dude Ranch, thanks to the dedication of our staff, and in particular, the hard work of project leader Al Williams and volunteer caretaker Roger Butterbaugh. Al's organizational and on-site leadership for the project has kept work tasks on-schedule, while Roger is especially responsible for the smooth transition the ranch is making from preservation and construction site to volunteer and training center. We received assistance from the intermountain office of facilities management this year to provide planning services. Project manager Greg Panza worked extensively with WCHP writing contract specifications for the main lodge foundation allowing the contract to be awarded on time.

As Roger has one of the best vantage points to view the progress made at White Grass in 2012, he kindly agreed to compose the following White Grass Dude Ranch update for this report.





## Summer 2012 Summary

### White Grass Dude Ranch

My name is Roger Butterbaugh, volunteer resident caretaker at White Grass, my second summer doing so. My wife and I are from Shelbyville, KY where I was a mental health professional for 32 years before leaving the rehabilitation hospital where I worked. Woodworking has always been in my background, so having the opportunity to live seasonally in our favorite national park and to learn/practice historic preservation with great craftpersons is simply a remarkable experience.

The summer of 2012 was very busy and productive. White Grass itself got the lion's share of attention from WCHP, with major focus being on the Main Cabin's rehabilitation. Work on the Main Cabin includes:

- Removal of the old concrete floor in the kitchen.
- In-kind replacement of deteriorated wall logs.
- Installation of utility lines.
- Replacement of the unstable foundation.
- Grading around building to establish positive drainage.
- Removal of the deteriorated floor structure. The old pine floor boards were removed and placed in storage for reinstallation this winter.

Perhaps the most industrious day this summer at White Grass was July 31. On that day:

- (1) Twelve teenage volunteers from the Becket-Chinney Corners YMCA in Massachusetts peeled replacement logs for the Main Lodge, did lime chinking on individual cabins and completed several small landscaping tasks;
- (2) The Michigan Volunteers repaired roofs on two cabins protecting the structures from further deterioration;
- (3) A crew from Idaho Falls, hired to lift the Main Cabin off its old foundation, arrived to begin their work;
- (4) Another crew, which had already begun to replace the old foundation, was also on site working;
- (5) Seven WCHP staff members were on site re-



pairing/replacing deteriorated logs.

All total, there were over 36 people working at White Grass that day with 8 work trucks on site in addition to one backhoe and two bobcats in operation!

Other 2012 summer White Grass happenings included:

- Some 250 plus individuals came by the ranch to tour White Grass as first timers and/or others with long ties to White Grass wanting to see the progress here.
- Volunteers and WCHP Staff began restoration work on cabin 1159, the charming cabin with a fireplace located near the northern end of White Grass.

I can say that those now actively working hard to create a 'new life' for White Grass, respect your history and honor your contributions and support. There is hardly a day, while I reside here seasonally, that I am not reminded through visits, readings, and stories that being a part of White Grass is a marvelous, rich and life changing experience. I plan to return as caretaker for White Grass in 2013 and hopefully will see many of you then.

By Roger Butterbaugh  
September 15, 2012





White Grass Dude Ranch Main Cabin: Over 128 deteriorated logs were removed and replaced in-kind at the Main Cabin. In order to preserve the historic appearance, all of the joinery for replacement logs was completed by the WCHP's skilled craftpersons using traditional woodworking skills and tools.







### White Grass Dude Ranch Main Cabin:

The majority of log walls in the west wing of the Main Cabin couldn't be preserved. The existing roof was raised in order for the new logs to be replaced in kind







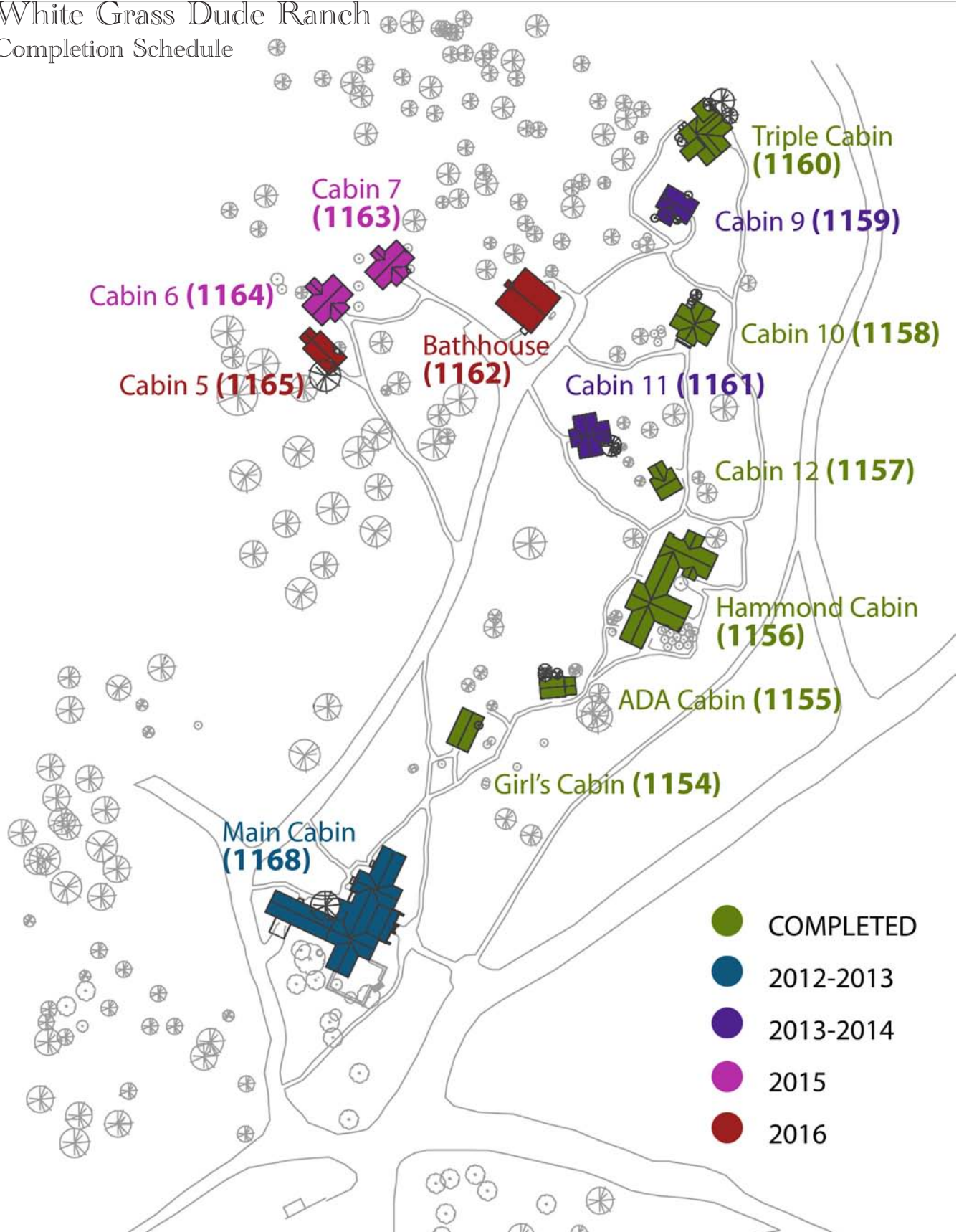
White Grass Dude Ranch Main Cabin: Replacing the foundation of the complex Main Cabin was no easy feat. The entire building was raised approximately 2"-4". So the old foundation could be removed and the new one installed.







## White Grass Dude Ranch Completion Schedule







## NATIONAL TRUST FOR HISTORIC PRESERVATION: A SUCCESSFUL PARTNERSHIP



In 2003, the Department of the Interior and the National Trust for Historic Preservation (NTHP) entered into an agreement creating a partnership for the rehabilitation of the White Grass Dude Ranch.



In that agreement, the National Trust pledged to raise \$950,000 in private funds to match federal project dollars for the White Grass Dude Ranch. The Trust's pledge capitalized their commitment to the White Grass adaptive reuse project, fueling support for the rehabilitation project and the establishment of a preservation skills training center in the parks. Despite significant shifts in the economic climate since 2003, the NTHP successfully reached their fundraising goal with the help of historians, preser-

vation enthusiasts and former dudes, dudettes, and wranglers who believed in the future of the White Grass Dude Ranch and the mission of the Western Center for Historic Preservation.

*"I saw (White Grass) 25 years ago.  
This is a miracle - wonderful!"*

*-guestbook entry*

To celebrate this noteworthy accomplishment and nine years of partnership, the NTHP hosted a luncheon at White Grass in August. The event was attended by NTHP members who had donated to the campaign, and included remarks by Mary Gibson Scott, superintendent of Grand Teton National Park, Barb Pahl, Vice President of Western Field



Operations for the NTHP, and Craig Struble, director of WCHP. All reiterated that the successful campaign was not the end of the public-private partnership, and emphasized the importance of collaboration in achieving the significant preservation goals set at the White Grass Dude Ranch. It was a wonderful celebration of the effective partnership between the NTHP and the NPS, and the progress that has been made at the White Grass Dude Ranch.





## Volunteers and Outreach

Each year, the WCHP is grateful to have dedicated volunteers visit the White Grass Dude Ranch and contribute their time to the cultural resources of Grand Teton National Park. The summer of 2012 was particularly noteworthy for volunteers as the first groups of overnight guests were able to stay in the completed sleeping cabins. The Michigan, Wisconsin and Wyoming volunteer groups both stayed at the ranch while working at White Grass and the Bar BC Dude Ranch, the two primary volunteer project sites for the summer. As one volunteer wrote:

“What a privilege to be part of the first group of volunteers to stay at the White-grass! The setting is exceptional and the crew I worked with was top notch.

I hope to be here again soon!”

Another volunteer summed up the significance of opening the cabins to volunteers in her guestbook entry, writing,

“a new era begins with the reinvention of an old western tradition—they used to wrangle dudes here—now they wrangle volunteers.”

In addition to the volunteers who stayed at the ranch, the center also hosted several groups for shorter pe-



riods of time. Two groups from the Becket-Chimney Corners YMCA camp volunteered for two days each at White Grass, while a large group of students from the Jackson Hole Community School kicked off their fall semester with an afternoon peeling and moving logs for the Main Cabin.

In total, the Western Center for Historic Preservation hosted over fifty individual volunteers for a total of nearly 700 hours of work.

**THANK YOU VOLUNTEERS!**





## Preservation Training and Projects

In FY2012 the WCHP crew completed more than ten projects for three separate agencies, the National Park Service, the U.S. Forest Service, and the Bureau of Reclamation. From Texas to Idaho, their work ranged from preservation of a stone and concrete World War II bunker in the hot Arizona sun to reroofing a CCC cabin while a forest fire raged nearby. In addition, several projects incorporated training features, taking advantage of the hands-on opportunities the individual projects presented. In 2012, the center provided nearly 400 hours of formal hands-on preservation training and more than 300 hours of informal employee training. Whether training NPS and state park employees or working to expand seasonal interns' hands-on confidence in the workshop, the Western Center continues to pursue preservation education as a top priority.







## LAURANCE S. ROCKEFELLER PRESERVE GRAND TETON NATIONAL PARK

Grand Teton National Park owes much of its existence to the Rockefeller family, who purchased then donated significant amounts of land to the National Park Service. The most recent donation in Grand Teton occurred in 2007, when Laurance Rockefeller donated 1,100 acres of pristine land located on the shores of Phelps Lake to the park. Originally known as the JY Ranch, the property was purchased by philanthropist John D. Rockefeller, Jr. in 1932 and served as the Rockefeller family's summer retreat for nearly 70 years. To create the preserve, 30 log buildings were removed from the property, including the large log shop that was moved to Moose to serve as the WCHP headquarters.



During the winter of 2012, the center was asked to reproduce several Adirondack-style chairs for the Laurance Rockefeller Preserve. The chairs were designed based on historic photographs of the chairs that once sat on the porch at the JY Ranch. Ben Isaacson and Greg Dodson spent several weeks cutting materials and assembling them with careful attention to making them sturdy and safe for preserve visitors. Although not a preservation project per se, the replica chairs will allow visitors to travel back in time and contemplate and appreciate the beautiful landscape in the same way the Rockefeller family and JY Ranch guests did nearly 90 years ago.

Personnel: Susanne McDonald (LSR/GRTE), Greg Dodson (WCHP), Ben Isaacson (WCHP), Roger Butterbaugh (WCHP volunteer)





## JUNCTION SCHOOL

LYNDON B. JOHNSON NATIONAL HISTORICAL PARK



The project at Lyndon Johnson Historical Park (LYJO) brought together the best of WCHP specialties: Training, window fabrication, and log preservation. The training opportunities were organized in collaboration between the Western Center and Rebecca Renaud, Chief of Facility Management at LYJO.

**Junction School Windows** After a site visit by WCHP, it was determined that improper window glazing and poorly constructed sash was allowing rain and moisture to migrate into the inside of the windows causing failure. Upon investigation, it was concluded that the construction of the windows were not the original Junction School windows. We recommended the replication of more historically accurate sash instead of repairing of the existing sash. Based on research of the schoolhouse, the center was able to ascertain and reproduce the historic profile.

Work began in the WCHP shop in Moose, where Al Williams hosted a two-week training course on window fabrication for the Junction School windows. With two dedicated students, Sam Burrell from LYJO and Gentry Medlock from GRKO, Al presented information on window construction, condition analysis, and treatment conclusions, and

walked his students through shop and tool safety. The majority of the course was hands-on window fabrication, including instruction on how to transfer and reproduce historic profiles, and how to replicate historic joinery. In total, the team completed sixteen new window sashes to replace the poorly constructed replacement windows at the Junction School. The sashes were then shipped to LYJO,







## JOHNSON SETTLEMENT CABIN

LYNDON B. JOHNSON NATIONAL HISTORICAL PARK



where they were glazed, finished, and installed at the Junction School.

**Johnson Settlement Cabin** In early April, seven maintenance employees from LYJO, Natchez Historical Park, and Lyndon B. Johnson State Park gathered at the Johnson Settlement Cabin for a week-long, hands-on log replacement and repair course. Led by Al Williams and Greg Dodson, the course focused on replacing deteriorated logs on the privy and pouring foundations piers at the settlement cabin. During the course, students gained insight into how to treat and consider historic log structures, and the importance of traditional craft skills in authentic repairs and replacements. Topics included the Secretary of the Interior's Standards, ax safety and techniques for flatting and preparing logs, how to safely raise a historic structure with jacking brackets and cribbing, and how to work with lime putty glazing compounds.

Another critical issue addressed in the course was how to select modern materials for use on historic buildings. Specifically, Al discussed the purpose of adding modern concrete foundation piers at the settlement cabin to correct cabin settling which were

concealed below grade. During the course of two weeks, nine workers successfully poured two concrete foundation piers, shaped and flattened a replacement deck joists, replaced several deteriorated wall logs on the privy, repaired chinking on the privy, and strengthened the stone outhouse foundation. In addition, the project successfully met the goal of providing guidance and training to maintenance staff who regularly work with historic structures.

Personnel: Rebecca Renaud (LYJO), Al Williams (WCHP) and Greg Dodson (WCHP)

Hands-on Training Hours: 330 hours







## DEATH CANYON PATROL CABIN GRAND TETON NATIONAL PARK

The Death Canyon Patrol Cabin Preservation Maintenance Project was completed in collaboration between the Western Center for Historic Preservation, Grand Teton National Park trail crew and Grand Teton National Park Cultural Resources. The project involved roof replacement and log-end repair on a CCC-era backcountry patrol cabin approximately 5 miles from the Death Canyon Trailhead.

Due to the backcountry location of the cabin, collaboration and organization was critical. Hank McCurdy led the onsite work, overseeing and instructing five employees from trail crew, while Katherine Longfield, Grand Teton Cultural Resources Specialist, oversaw the logistics. During their week stay at the cabin, the crew re-roofed the cabin with fire resistant cedar shakes, made four log crown repairs, and fabricated a winter shutter for the front door. They also learned about maintaining historic structures and the specific considerations and skills required to care for the CCC cabins in Grand Teton National Park's backcountry. In keeping with the recommendations of the GRTE Resource and Wilderness Councils, all work was completed without the use of power tools in order to comply with the recommended wilderness designation. The use



of hand tools allowed all involved to improve their skills and experience backcountry construction much as the CCC crews would have when they built the cabin in the 1930s.

Personnel: Katherine Longfield (GRTE), Stacey Myers (GRTE), Hank McCurdy (WCHP), Alison McLellan (WCHP), Alex St. Clair (GRTE), Mike Atkinson (GRTE), Anika Smith (GRTE), Zane Davis (GRTE), Burt Russell (GRTE), and the GRTE pack crew.

Hands-on Training Hours: 60 hours





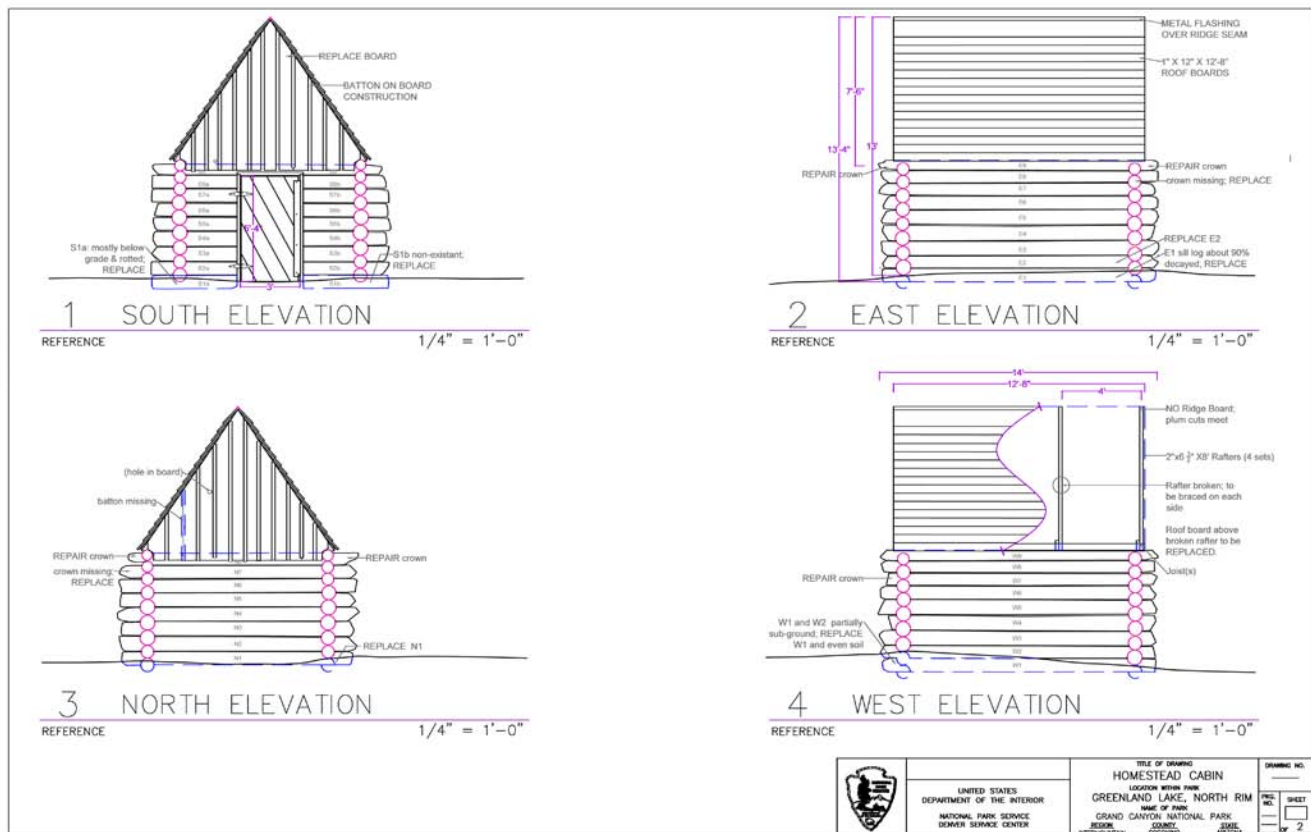


## GREENLAND LAKE CABIN GRAND CANYON NATIONAL PARK

The Greenland Lake Cabin project was a documentation and assessment effort undertaken by the center during the summer of 2012. At the request of Grand Canyon Cultural Resources manager Ellen Brennan, Craig Struble visited the cabin to inspect and evaluate the condition of the log building. Craig photographed the building, which is leaning significantly, and prepared recommendations noting the construction methods and structural deficiencies.

Intern Mackenzie King prepared drawings and composed a condition assessment highlighting the steps that need to be taken to preserve the log cabin. Preservation is recommended within the next two years, with particular attention dedicated to the deteriorated sill logs. The final product produced for this project is an excellent example of early project planning and assistance by the Western Center.

Personnel: Ellen Brennan (GRCA), Craig Struble (WCHP), Mackenzie King (WCHP)







## FIRE STATION AND MESS HALL

### MINIDOKA NATIONAL HISTORIC SITE

The Minidoka National Historic Site project provided rehabilitation to windows and doors at two of the original internment camp structures, the fire station and the mess hall. The park is currently in the process of restoring the few original buildings and reintroducing and restoring structures that were moved off-site once the internment camp closed in 1945.

At the fire station, the crew repaired twenty-one windows, one door, and fabricated six new doors. At the mess hall, which was recently moved back to the park from a nearby county fair ground, the crew repaired twenty window sash fabricated two new windows in-kind and repaired seven doors. Work on the hopper style sash included removing non-damaged glass for reinstallation with new glazing compound, repairing missing and damaged muntins, rails and styles, primarily with dutchman repairs, and repainting the wood. Review of existing documentation and historic photographs proved key throughout the project in order to ensure any reproductions were constructed to match the historic appearance.

All conservation work was completed in the WCHP shop in Moose, Wyoming. Once the repairs were completed, the windows and doors were transported back to Minidoka where they were installed by the crew. The sheer number of windows and doors offered several training opportunities for WCHP staff and interns to teach glazing techniques, dutchman repairs, and the intricacies of reproducing features based on extant examples and photographic evidence.

Personnel: Wendy Janssen (MIIN), Craig Struble (WCHP), Paul Jensen (WCHP), Chris Frank (WCHP), Jeff Olson (WCHP)

Hands-On Training: 300 hours







## FIRE STATION AND MESS HALL MINIDOKA NATIONAL HISTORIC SITE







## HOT SPRINGS MOTOR COURT AND CASTOLON HISTORIC DISTRICT

BIG BEND NATIONAL PARK



Project work at big bend was completed in three phases and required two site visits by the WCHP team. During the first site visit, the Motor Court and Garlick House was investigated, and a plan was prepared to guide the repairs which were executed during the second site visit.

During the second phase, the crew replaced damaged door frames and repaired windows, and took detailed measurements and notes on the conditions of buildings in the five historic districts. Preservation maintenance was completed to windows and doors at both the Motor Court in the Hot Springs Historic District and on the Garlick House in the Castolon Historic District. Moisture was identified as the primary cause of deterioration and wood failure at both locations.

At the Motor Court, the crew repaired four door frames with dutchman repairs preserving much of the original materials. At the Garlick House, the crew repaired three doors and three windows

replacing broken glass, re-glazing windows. The doors and door locks were reset, and a new garage door was constructed in-kind to replace the severely deteriorated one. In order to prevent further wood decay, the crew applied preservatives where appropriate and linseed oil to all exposed wood surfaces.

Phase three was completed back in the WCHP administrative offices using the condition assessments completed for the Hot Springs, Castolon, Old Castolon, K Bar, and Homer Wilson Ranch Historic Districts. Preservation architect Courtney Gunderson compiled and prioritized recommendations for the five historic districts which highlighted the immediate need for new roofs at several of the districts. Recommendations included, roofing replacement options and a roofing package with drawings and specifications to assist with future BIBE contracting.

Personnel: Linda Richards (BIBE), Tom Alex (BIBE), Dave Larsson (BIBE), Courtney Gunderson (WCHP), Greg Dodson (WCHP), Tim Green (WCHP)







## SNYDER BASIN GUARD STATION

BIG PINEY RANGER DISTRICT, BRIDGER-TETON NATIONAL FOREST



In July 2012, a roof replacement project was completed on the CCC-constructed Snyder Basin Guard Station in Bridger-Teton National Forest. One of three U.S. Forest Service projects undertaken by the center in 2012, the project focused on replacing the deteriorated metal roof which was snow damaged and failing. The crew began by evaluating and documenting the existing conditions of the roof, and determining the best replacement options. Because of the steep pitch of the roof, the crew set up scaffolding around the entire building for safety. Once the existing roof was removed the crew assessed the sheathing for signs of deterioration. Ultimately,

only five sheathing boards were replaced in-kind with pine, and all replacements were stamped with “WCHP 2012” so that they are easily identifiable as non-original.

Although the scope of work was straightforward, Mother Nature ensured that the project implementation was not. During the second week of work, the crew was evacuated from the project due to the Fontonelle Fire, which burned within a ¼ mile of the cabin. Thanks to the excellent work of the fire crews, the building was saved, and the western center crew was able to return to complete their job.

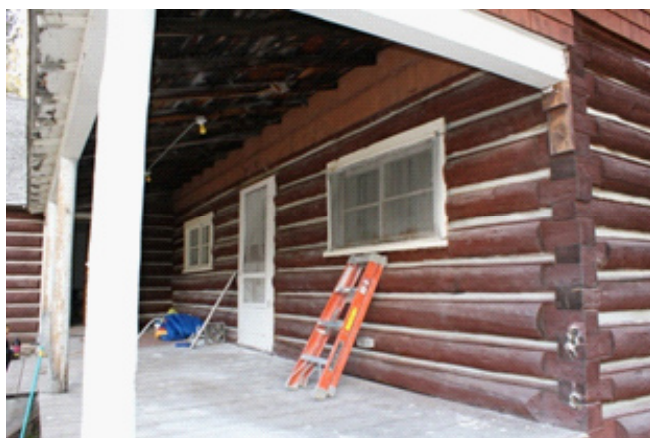
Personnel: Wayne Clayton (BTNF), Greg Dodson (WCHP), Ben Isaacson (WCHP), Tim Green (WCHP), Courtney Gunderson (WCHP), Betsy Engle (WCHP)







## BRYAN FLATS GUARD STATION, HOBACK RANGER DISTRICT, BRIDGER-TETON NATIONAL FOREST



The Bryan Flats Guard Station project was a continuation of a project begun in 2011. In 2011, the WCHP team spent two months on-site correcting structural deficiencies and completing log repair and replacement. In 2012, a smaller crew returned for two weeks to replace the deteriorated chinking. The crew replaced only the daubing that was loose, preserving and securing as much of the existing chinking as possible. The Bryan Flats Guard Station is one of the oldest guard stations managed by the forest.

Personnel: Wayne Clayton (BTNF), Jeff Olson (WCHP), Alison McLellan (WCHP)







## ROSENCRANS CABIN HISTORIC DISTRICT, BUFFALO FORK RANGER DISTRICT, BRIDGER-TETON NATIONAL FOREST



The Rosencrans Cabin Historic District is composed of four contributing log buildings, including a residential cabin, and a garage, shed, and barn. The buildings are all uniquely crafted log structures with simple pitched roofs. The center prepared a condition assessment to identify problems and deficiencies. As a result, the structures were found to be in relatively good condition, with the exception of minor misguided maintenance and isolated deterioration. Based on several site visits, it was recommended the forest service move forward with re-roofing the garage, shed, and the addition on the cabin. WCHP also recommended miscellaneous repairs on the cabin and garage, including replacing one sill log, reinstalling window frame trim, and treatment of several deteriorated log crowns.

The crew replaced the three roofs in-kind, with the primary goal of securing the historic cabins from the elements before winter. In addition to repairing the three roofs, the crew addressed minor log work on the residential cabin, and replaced a deteriorated sill log on the garage.

Personnel: Greg Dodson (WCHP), Tim Green (WCHP), Ben Isaacson (WCHP), Courtney Gunderson (WCHP), Jeff Olson (WCHP), Al Williams (WCHP), Betsy Engle (WCHP)







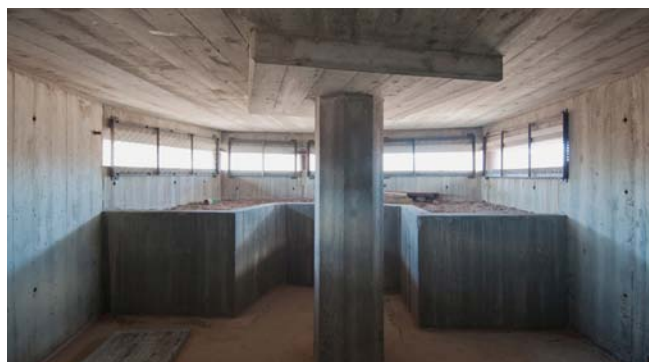
## WORLD WAR II BUNKER AT HOOVER DAM

### LOWER COLORADO REGION, BUREAU OF RECLAMATION

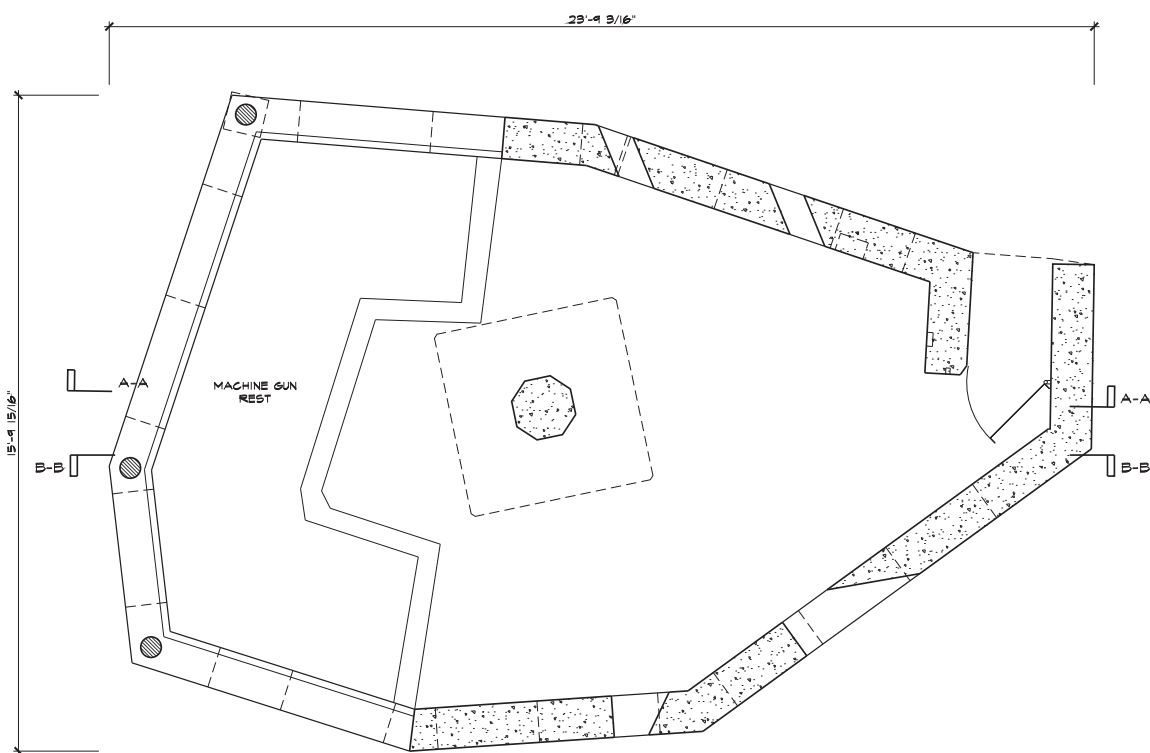
The work undertaken by WCHP on the World War II Bunker at Hoover Dam was the culmination of a three-year project completed in partnership with the Bureau of Reclamation, (BOR) Intermountain Region, and WCHP. One of the more unique structures the center has worked on, the bunker is located on the Arizona side of Hoover Dam, and was built in 1941 by the Bureau of Reclamation on orders from the U.S. Army. It is constructed of reinforced concrete and native rock, with 270 degrees of narrow slit openings which provided panoramic views of the dam and accommodated machine gun emplacements during WW II. The exterior native rock camouflages the bunker, blending it with its surrounding rocky landscape above the dam.

The goal of the project was to perform the necessary background research and rehabilitation work to bring the bunker to a condition where it could be interpreted and opened to the public. In order to accomplish this goal, several steps were necessary. First, in late 2009, a crew from WCHP visited the site to remove a large boulder from the entrance of the bunker. The boulder had been mortared into the doorway in 1979 by BOR to prevent vandals from entering the structure. Once the boulder was removed, a second WCHP team visited the site to inspect the structure, make drawings, and take measurements. This visit resulted in the completion of a Historic Structures Report and condition assessment that was submitted to the Bureau of Reclamation in 2011. The final step, in 2012, was to complete the recommended work and rehabilitate the structure for interpretation.

The preservation and rehabilitation work focused primarily on the stonework. In several sections, the native stone had been displaced by the elements and by people climbing on the structure. Specifically, work included re-laying displaced stones and reconstructing damaged stone walls, reinstalling missing stones, removing some of the cement slurry







# FLOOR PLAN

1/2" = 1'-0"

1:24



1 of 5

Hoover Dam WWII Pillbox

Western Center for Historic Preservation  
Grand Teton National Park, P.O. Box Drawer 170, Moose, WY 83012

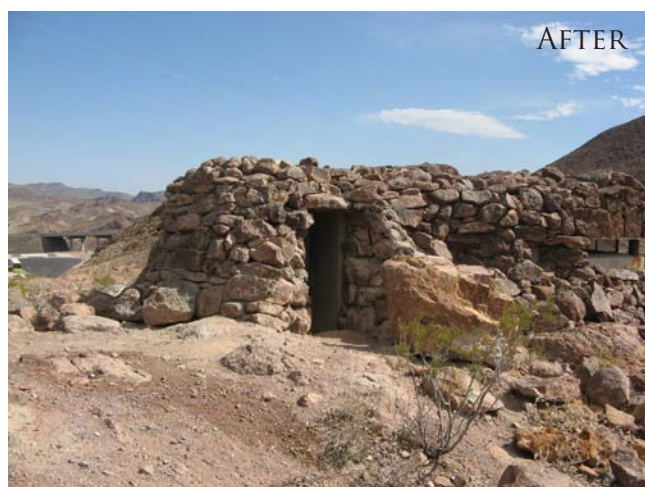
August 16, 2011

from the boulder installation at the entrance, fabricating and installing a new metal door, removing non-historic graffiti from the interior walls, and cleaning and painting all exposed metal. The majority of the masonry work was completed on the south eastern elevation where the stones had dislodged from the veneer of the bunker. The project was completed ahead of schedule, and the unique structure is now in a condition where it can be successfully maintained and used for interpretation.

Personnel: Becky Wong (USBR), Craig Struble (WCHP), Courtney Gunderson (WCHP), Al Williams (WCHP), Greg Dodson (WCHP), Betsy Engle (WCHP), Paul Jensen (WCHP), Vicky Jacobson (IMR)



BEFORE

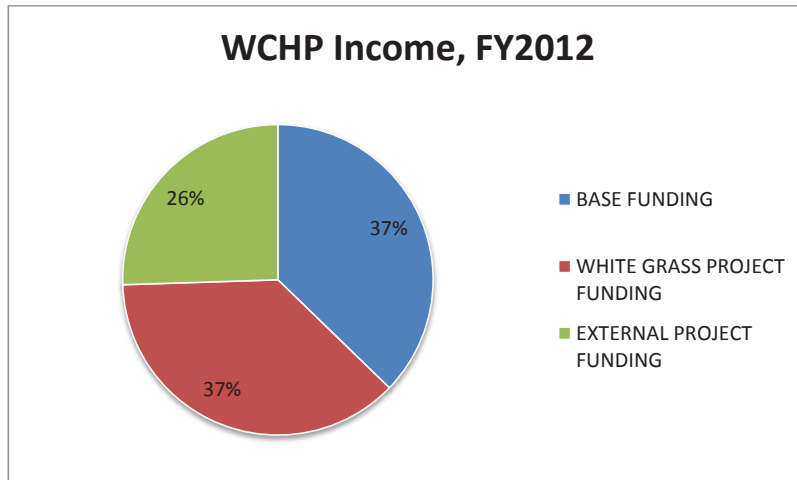


AFTER





## APPENDIX A: FUNDING SUMMARY, 2012



SOURCE	TOTAL SPENT	TOTAL AUTHORIZED
BASE FUNDING	\$346,437.25	\$350,000
WHITE GRASS PROJECT FUNDING	\$344,611.73	\$350,000
EXTERNAL PROJECT FUNDING	\$233,109.22	\$249,391.15

PROJECT	PROJECT COST TOTAL SPENT	PROJECT TOTAL AUTHORIZED
White Grass Dude Ranch	92,553.94	100,000.00
White Grass Ranch 1168 Foundation	150,000.00	150,000.00
White Grass Ranch 1168 Rehabilitation	102,057.79	100,000.00
USFS Snyder Basin Roof Replacement	37,912.79	36,953.00
USFS Bryan Flats Chinking	8,000.00	8,000.00
Death Canyon Patrol Cabin Preservation Maintenance	4,025.55	4,025.55
Big Bend Project	41,623.39	41,253.39
LBJ Project	21,029.74	30,713.23
Hoover Dam WWII Bunker Project, Phase III	62,509.98	62,909.98
Minidoka Project	56,210.00	56,210.00
LSR Chairs	3,726.00	3,726.00
	<b>579,649.18</b>	<b>593,791.15</b>



