

**Grantee: Shelby County, TN**

**Grant: B-13-US-47-0002**

**January 1, 2019 thru March 31, 2019 Performance Report**

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**Grant Number:**

B-13-US-47-0002

**Obligation Date:****Award Date:****Grantee Name:**

Shelby County, TN

**Contract End Date:****Review by HUD:**

Reviewed and Approved

**Grant Award Amount:**

\$60,445,163.00

**Grant Status:**

Active

**QPR Contact:**

Jared Darby

**LOCCS Authorized Amount:**

\$60,445,163.00

**Estimated PI/RL Funds:**

\$0.00

**Total Budget:**

\$60,445,163.00

## Disasters:

### Declaration Number

No Disasters Found

## Narratives

### Executive Summary:

Utilizing URN identified in Phase 1 of the NDR Competition and additional refined data compiled during Phase 2 of the NDR Competition, Shelby County will expend a total of \$60,445,163.00 in CDBG-NDR funds in Phase 3 of the NDR application to implement and develop long-term resilience strategies to fortify the county against future floods by "MAKING ROOM FOR THE RIVER" within Shelby County and the Region. Copies of the NDR application documents can be found at [www.resilientshelby.com](http://www.resilientshelby.com) Also, as described in the NDR Phase 2 application, both Memphis and Shelby County are committed to carrying out Fair Housing activities. Shelby County's Department of Housing, a partner team member in the NDR application, is the County agency operating HUD Community Planning and Development (CPD) entitlement grants and oversees housing programs which directly impact LMI residents which include infrastructure development, housing rehabilitation/construction, down payment assistance, lead-based paint hazard reduction, CDBG Disaster Recovery activities, and fair housing counseling. Likewise, the City of Memphis, a partner in the NDR application operates similar activities through its Division of Housing and Community Development. Both agencies are currently working to promote Fair Housing and Fair Housing Initiatives under their Fair Housing Assessments. Additionally, as part of the GREENPRINT, the Memphis Shelby County Office of Sustainability completed a Fair Housing Equity Assessment (FHEA) in partnership SCDH, HCD, community and business leaders and other housing partners and addressed fair housing impediments under the Greenprint and recommended various solutions to improve fair housing education and compliance. Under the NDR grant, Shelby County will continue to promote and further Fair Housing utilizing the Shelby County Department of Housing, Memphis HCD, and the Greenprint's FHEA to further assess Fair Housing impediments and incorporate Fair Housing initiatives into the NDR Resiliency Plan and the NDR projects in North (Big Creek), Central (Wolf River Greenway), and South (Cypress Creek) Shelby County. Currently, efforts are underway by Memphis and Shelby County to develop a new AFH Plan under new Fair Housing guidelines by 2018 to more effectively carryout Fair Housing initiatives on a joint/countywide basis in order to more efficiently address fair housing issue. The NDR administrative staff will work directly with SCDH, HCD, the Office of Sustainability to insure that Fair Housing is a key component of the NDR Resiliency Plan, long term resiliency efforts, and the long range Greenprint 2040 (which was the base platform for the NDR application in Phase 1 and Phase 2). The NDR team understands that long term resiliency, social, economic, and environmental issues are a part of any long term Fair Housing Initiatives. Through the activities of the NDR grant; and both Memphis and Shelby County's HUD funded grants (CDBG, HOME, Lead Hazard Control, etc.) Shelby County will insure that fair housing is a central part of long term resilience efforts resulting from NDR efforts and projects. NDR activities will focus on three geographical areas (one in each of the local watersheds) and the development of a Regional Resilience Plan to create a framework for resilience to provide detailed guidance for future rallow Shelby County to focuscreating ar

### Executive Summary:

esilient community both locally and regionally. All four of the NDR funded actions utilize 4 guiding values to guide each activity. Specifically, these values are: (1) People (Health & Well Being) - protect lives, improve quality of life and promote social cohesion, accomplished through creation of wetlands and other flood storage to protect communities and create green assets; (2) Organization (Economy & Society) - reduce community burden of vacancy and vulnerable housing by removing resid

### MID-URN Areas:

After a complete evaluation of Unmet Recovery Needs (URNs) in Phase 1, Shelby County developed a set of four (4) activities designed to protect Shelby County's communities from natural hazards while increasing environmental, economic and social opportunity for all residents of the region, especially vulnerable communities. In Phase 2, the County identified three target areas that were hardest hit by the 2011 disasters: along Big Creek (Northern Shelby County), the Wolf River (Central Shelby County),



and South Cypress Creek (Southern Shelby County). Activities within these areas will create additional greenway trails and enhanced recreation areas as well as areas for local food production. A fourth activity will create a Regional Resilience Plan (which includes a hydraulic study of the three main tributaries in the county) over a three-year period to provide a means to tie these and other similar efforts to the GREENPRINT, which was developed with the support of a HUD Sustainable Communities Regional Planning Grant. Each of these activities will lead to replicable interventions that will be transferrable to other areas throughout the region. Furthermore, the goal of each activity was to ensure that the designs are not only cost effective; but provide the highest resilience value (i.e. social, economic, environmental, etc.) and ensure that the proposed resilience solutions within the activities are both scalable and replicable throughout the region. Activity 1: Big Creek Wetland and Recreation Area. Located in North Shelby County within the City of Millington, this area is home to a high percentage of LMI households as well as the Naval Support Activity Mid-South, a key military asset and employer for the area. This activity spans an area within the City of Millington running along Big Creek between the Naval Support Activity (NSA) on the East, along Paul Barret Parkway and Big Creek, and culminating at Hwy 51 North on the West. The overall service area is composed of the following Census Tracts: 0201.02 Block Group 1 0201.02 Block Group 20202.10 Block Group 1 0202.10 Block Group 2 0202.10 Block Group 30202.10 Block Group 4 0202.21 Block Group 1 0202.21 Block Group 20202.22 Block Group 1 0203.00 Block Group 1 0203.00 Block Group 20203.00 Block Group 3 0204.00 Block Group 1 The 2011 storms caused at least \$5 million in damages and displaced community members within the City of Millington. Using a flood control practice common to the Corps of Engineers, the primary activity will create a new floodplain by lowering an area along the creek to allow flood waters to flow into the floodplain while lowering water surface elevations. Lower water surface elevations will prevent future flooding in adjacent communities. If the floodplain had been constructed prior to the 2011 storms, the majority of flooding in the Millington area would not have occurred preventing more than \$4.5 million in losses. If this activity had been complete prior to the May 2010 floods, \$79 million of property damages would have been prevented. This activity will also create sustainable natural wildlife areas, with native vegetation, wetlands, and other natural features. Other amenities will include development of walking trails, small-scale agriculture, ball fields, lakes, and camping areas to provide increased recreational and entrepreneurial opportunities. While creating the new floodplain will require the removal of trees to improve water conveyance

### **MID-URN Areas:**

ce, a tree canopy plan will be implemented to offset tree removal by four-to-one. Shelby County, the City of Millington, and other jurisdictions will work together to set aside approximately 500 acres for tree mitigation. Some of these areas will be utilized to provide an educational experience for school children from LMI areas. Tree mitigation areas will also provide a cooling effect by expanding the tree canopy to counter the increasing heat-island effect. Construction of this activity will increase

### **Key Agencies, Partners, Positions, Personnel:**

the South Cypress Creek community to create a stronger and healthier neighborhood.

10. A resource to Shelby County since Phase 1, and a partner in the development of Phase 2, the University of Memphis Center for Applied Earth Science and Engineering Research (CAESER) will continue its role in assisting Shelby County in its resilience efforts through the Hydraulic study portion of the Resilience Plan. CAESER will continue to provide assistance to Shelby County through its applied research, education, and leadership in sustaining community ground water resources, analysis and creation of GIS databases, and tools designed to anticipate and provide solutions to reduce the effect of risk when a flooding occurs.

11. Chickasaw Basin Authority (CBA), also a partner in Phase 3, was created as a State of Tennessee Agency as the Regional Development Authority for the Chickasaw Basin in Tennessee. The CBA develops flood control projects in the Loosahatchie and Wolf Rivers and Nonconnah Creek watersheds. The CBA is authorized by the State of Tennessee by TCA 64-1-201. Its role under Phase 3 will be to assist Shelby County and other partners in securing support and approval for wetland restoration activities under the Big Creek Wetland and Restoration Activity; an area within Shelby County where the CBA has been very active in developing flood control methodology and projects.

12. The University of Tennessee Agricultural Extension, a partner in Phase 3; provides a gateway to the University of Tennessee as the outreach unit of the Institute of Agriculture. UT Extension delivers educational programs and research-based information to citizens throughout the state. Additionally, in cooperation with Tennessee State University, UT Extension works with farmers, families, youth and communities to improve lives by addressing problems and issues at the local, state and national levels. As a partner to Shelby County in implementing the NDR award, UT Extension's role will be to serve as a resource in the development of community programs (especially in Big Creek and South Cypress Creek) which will educate the community about food and gardening and the creation of community gardens as alternative food sources within the community.

13. Memphis Center for Food and Faith (MCFF) and Grow Memphis (which recently merged to become Memphis Tilth) are local nonprofit organizations identified in Phase 2 who will work with Shelby County during Phase 3 implementation to engage in urban agriculture and community gardening activities designed to bring fresh and healthy food alternatives to citizens residing in the Big Creek and South Cypress Creek communities. As partners, they will work to establish community gardens and healthy food options for these areas to enhance greater access to fresh food.

14. The Hyde Family Foundations (a local philanthropy) and the Greater Memphis Chamber gifted \$157,000 and \$57,000 respectively to support a coordinator position to transition the GREENPRINT from plan to implementation. Their roles in the NDR through support of this position provide additional support for the Regional Resilience Plan funded under the NDR award.

### **Key Agencies, Partners, Positions, Personnel:**

The following outlines the partners who will work directly with or provide support to Shelby County in its efforts to carry out NDR projects and activities as well as their roles in the implementation of "Making Room for the River" concepts.

1. Shelby County's role, through the Divisions of Planning and Development and Public Works (and their associated Departments), is as that of the lead on the NDR award. Shelby County will actively administer the NDR grant, oversee activity design and development, and implement the 4 activities funded under the NDR award (Big Creek, Wolf River, South Cypress, and the Regional Resilience Plan). The County will work closely with each identified partner to insure that activities move forward, are fiscally feasible, and that NDR funds are properly utilized and accounted for throughout the grant award which ends September 2022.

Additionally, Shelby County in its role as the lead on Phase 1, Phase 2, and subsequently the NDR award implementation lead is responsible for insuring that the following supporting leverage commitments are met:

a) Projects integral to the development of the GREENPRINT network involving the development of proposed trail corridors of the



GREENPRINT network including the Shelby Farms Greenline and park trails (\$5,822,181);

b) Fletcher Creek Greenway, Overton Park Cooper Street Trail and Perimeter Trail, Germantown Greenway, Chelsea Avenue Greenline, South Memphis Greenline, Shelby Farms Greenline Bridge, and Arlington Bike/Pedestrian Trail funded through DPD's Memphis Urban Area Metropolitan Planning Organization (\$4,338,696); and

c) The Shelby County's drainage study for resilient approaches to address impacts from the 2011 qualified disasters and future flooding along Big Creek (\$72,000).

2. City of Memphis, a partner since Phase 1 of the NDR process, is the largest municipality in Shelby County with a population of nearly 650,000. Two of the NDR activities (Wolf River and South Cypress Creek) are directly located within the Memphis city limits. Under Phase 3, Memphis will play a key role in assisting in the overall design and implementation of the both of these projects. As a partner in the NDR grant, Memphis is providing a total of \$4,100,000 in direct leverage through its Public Works Division and Division of Housing and Community Development (HCD). This leverage can be broken out as follows: \$2,500,000 for the Wolf River Wetland and Restoration and \$1,600,000 for the South Cypress Creek Activity (\$1,500,000 from Public Works and \$100,000 from HCD). The City is also a partner in the Shelby County Resilience Council (SCRC) a multi-disciplinary team appointed by Shelby County Mayor Mark H. Luttrell, Jr. to formalize development and implementation of the Greenprint for Resilience Project. Also, the City of Memphis is filling a developmental role in support of the NDR application and activities by providing \$34,423,302 for construction and completion of the Main-to-Main Multimodal Connector Project managed by the City of Memphis, connecting Memphis to the City of West Memphis, Arkansas, including the Harahan Bridge connection across the Mississippi River; which furthers regional interconnectedness of the Greenprint.

3. GCR Inc. has also been involved in the NDR grant since the Phase 1 application and prior to the Phase 3 award. GCR will continue to provide project management and technical assistance

### Key Agencies, Partners, Positions, Personnel:

ct period with HUD which terminates in September of 2022. GCR staff members have worked with several state clients to develop, implement, and monitor CDBGDR programs. GCR possesses extensive expertise in developing systems that track stages of recovery from immediate response, program development and management, public visibility of expenditures, and progress of recovery resources. Their role will be to provide direct grants management technical assistance to Shelby County to insure compliance, public access to information, and effective administration of resources.

4. Another partner, the Community Development Council of Greater Memphis (CD Council) is a coalition of community and housing development organizations, non-profits, and individuals who support the development and redevelopment of vibrant and economically sustainable neighborhoods. Livable Memphis, a program within CD Council, promotes the same priorities with a special focus on growth and development issues – including land use and transportation – and on increasing public participation in planning and development decisions. As a partner under Phase 3, the CD Council (and Livable Memphis) will provide direct community outreach and awareness efforts to assist Shelby County in its efforts to fully engage the community. Its close ties with CDCs, Neighborhoods, and other non-profits will provide Shelby County and the other NDR partners with direct links in the community to enhance input into the Resilience Plan as well as the other three NDR activities approved under Phase 3.

5. Pique PR is a full-service PR agency based in Memphis, Tennessee who has been involved with Shelby County's NDR application from the beginning of Phase 1. Pique will continue its partnership through Phase 3 of the grant and will continue to provide Shelby County with support for public events associated with public outreach, community engagement, and marketing efforts under the NDR award.

6. Kimley-Horn; Barge Waggoner Sumner and Cannon; and Sasaki and Associates are the team of consultants who have been involved in the NDR grant since the Phase 1 application and prior to the Phase 3 award. These partners have combined expertise in architecture, urban design, landscape architecture, civil engineering, environmental reviews, permitting, water resources, and other services to support the proposed resilience project. Furthermore, these partners have specialized experience in stormwater modeling, GIS-based applications, creation and permitting of wetlands at both the state and federal levels, and design and implementation of green infrastructure in Memphis and Shelby County as well as nationwide.

a) Kimley-Horn will continue their partnership with Shelby County to carry out environmental reviews and architectural/engineering designs associated with the Wolf River Wetland Restoration and Greenway activity, which includes the components of Kennedy Park, Rodney Baber Park, and Orchi Road Improvements. All of these activities comprise the activity along the Wolf River Conservancy's Wolf River restoration area in Central Shelby County and the greenway trail system tying these activities together.

b) Barge Waggoner Sumner and Cannon will continue their partnership role in carrying out environmental reviews and architectural/engineering designs associated with the Big Cree Wtn Rstr to Poet. Tesdsgsnspwlvveoraogns;iCeeadwilfcuowtadrstrtondvipe

### Key Agencies, Partners, Positions, Personnel:

t of proposed amenities, and the interconnectedness of public access throughout the development.

c) Sasaki and Associates will continue their partnership role in carrying out environmental reviews and architectural/engineering designs associated with the South Cypress Creek Watershed and Neighborhood Redevelopment. The designs will focus on both wetland restoration designs which strengthen community and social cohesion, repurposing vacant lots to accomplish community and economic development, and increase access to fresh, healthy foods.

7. The Wolf River Conservancy (WRC) has been a key participant and partner during the development of both Phase 1 and Phase 2 of the NDR competition. A non-profit that protects habitats within the Wolf River watershed, spearheads the Wolf River Greenway project along the urban Wolf River, connects people of all ages to the Wolf River through education, and provides outstanding recreational opportunities for the community; WRC has helped to protect 18,000 acres in the Wolf River corridor in order to enhance the entire Wolf River floodplain and protect critical aquifer recharge areas for public drinking water. As a key partner providing \$34 million in leverage under Phase 3 of the NDR award, WRC will continue the same efforts outlined above along (and within) the Wolf River Wetland Restoration and Greenway Activity. WRC's direct role will be developing the portion to the Greenway which will link Kennedy Park, Orchi Street, and Rodney Baber Parks and enhances overall access to parks and amenities within the activity area (and larger parts of Shelby County as the Greenway continues to grow). A key role of WRC in Phase 3 of the NDR award is the provision of \$31,500,000 in direct leverage for the Wolf River Greenway and Restoration Activity.

8. United Housing Incorporated (UHI), as identified in Phase 2, is a local nonprofit organization engaged in homebuyer education, community development, down payment assistance, and housing rehabilitation and construction who will serve as a partner in



the South Cypress Creek activity. United Housing, a part of the Neighbor Works America Network, will provide support in developing and retaining housing in South Cypress Creek in order to stabilize and improve the housing stock of the area and assist in relocating residents from flood prone housing into new and/or rehabilitated housing in the neighborhood. This newly created housing will, to the greatest extent possible, incorporate energy efficiency, renewable energy, and low impact development into the designs. In this role, UHI will work closely with Shelby County and Habitat for Humanity of Greater Memphis to carry out activities to stabilize and enhance the living environment within the South Cypress Creek community to create stronger and healthier neighborhood.

9. Similar to UHI, Habitat for Humanity of Greater Memphis (HFHGM) is a nonprofit housing ministry dedicated to eliminating substandard housing from the city of Memphis and surrounding areas, while making decent housing for all people a matter of conscience and action. Identified as a partner in Phase 2 of the NDR competition, HFHGM will play a role in the implementation of Phase 3 by providing one or more of the following: homebuyer education, counseling, housing repairs, and/or new construction. In this role, HFHGM will work closely with Shelby County and UHI to carry out activities to stabilize and enhance the living environment within

Overall	This Report Period	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$140,165,341.00
<b>Total Budget</b>	\$0.00	\$60,445,162.00
<b>Total Obligated</b>	\$0.00	\$60,445,162.00
<b>Total Funds Drawdown</b>	\$1,322,741.84	\$5,702,356.87
<b>Program Funds Drawdown</b>	\$1,322,741.84	\$5,702,356.87
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$1,322,741.84	\$5,702,336.87
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

## Progress Toward Required Numeric Targets

Requirement	Target	Actual
<b>Overall Benefit Percentage (Projected)</b>		74.85%
<b>Overall Benefit Percentage (Actual)</b>		48.55%
<b>Minimum Non-Federal Match</b>	\$0.00	\$0.00
<b>Limit on Public Services</b>	\$9,066,774.45	\$0.00
<b>Limit on Admin/Planning</b>	\$12,089,032.60	\$2,268,023.54
<b>Limit on Admin</b>	\$0.00	\$524,666.70
<b>Most Impacted and Distressed Threshold (Projected)</b>	\$0.00	\$0.00

## Overall Progress Narrative:

During the reporting period between January 1, 2019 to March 31, 2019, Shelby County moved the NDR program forward by continuing to carry out activities under: (1) the Mid-South Regional Resilience Master Plan, (2) Hydraulic Modeling and related deliverables, and (3) the environmental reviews and project designs for the major NDR activities (South Cypress Creek, Wolf River Wetland and Restoration Greenway, and Big Creek Wetland and Recreation Area), as well as Phase 8 of the Wolf River Greenway.

NDR Projects 1-NDR-01 (Hydraulic Modeling), 1-NDR-02 (Master Resilience Plan), 2-NDR-06 (South Cypress Creek Engineering and Testing), 3-NDR-05 (Wolf River Engineering and Testing), 3-NDR-07 (Wolf River Greenway - Infrastructure & Construction), 4-NDR-06 (Big Creek Engineering for Floodway design and landscape architecture) and 5-NDR-01 (Administration) are all underway and/or moving forward.

As of March 31, 2019, Shelby County had drawn down \$1,322,741.84 in grant funds from DRGR for the reporting period of January 1 through March 31, 2019. When combined with the \$4,379,615.03 drawn during the previous reporting periods, Shelby County had drawn a total of \$5,702,356.87 in DRGR. As of



the end of this quarter, all funds drawn from DRGR had been expended by the County. Please note: a keying error in the QPR submitted for April – June 2018 (submitted by Alfred Garrett on 7/27/2018) and approved by HUD should have reflected \$308,466.14 drawn and expended rather than \$308,446.14 for activity 2-NDR-06. Shelby County will contact the HUD Field Office to discuss correcting this keying error in the QPR during the next quarter. All funds drawn have been spent to date and NO FUNDS were ever on hand or drawn prior to expenditure.

Other key accomplishments during the quarter included:

1. Hydraulic modeling activity associated with the Master Resilience Plan continued during the quarter with meetings between Hydraulic modeling team members to focus on the modeling efforts associated with the Hydraulic study and impacts on potential future resilience activities. As of the end of the quarter, the only portion of the Hydraulic Modeling still underway was the aforementioned portion associated with the analysis of potential activities under Regional Resilience Master Plan. As mentioned in past QPRs, 100% of the Hydraulic model for the Loosahatchie, Wolf and Nonnconnah waterways was complete with only the linkage between the model itself and the Resilience Plan still active. As of this report, 94.6% of the entire Hydraulic modeling activity was complete.
  2. The first draft of the Master Resilience Plan was 100% complete and was submitted to the Shelby County Office of Resilience and the Shelby County Resilience Commission March 29, 2019 for review and comment before proceeding with public meetings to present the Regional Resilience Master Plan to stakeholders and the community at large for comment and feedback during the second quarter of 2019. Meetings were also scheduled and will take place during the next quarter.
  3. South Cypress Creek saw the evaluation of impacts on activity within the wetlands located in the project area, alternatives to activities were evaluated, and the first 8-Step Notification Public Notices were published and provide to FEMA and the HUD Field Office. Ads ran on March 29th and 31st (with additional ads scheduled to run during the next quarter on April 4, 2019).
  4. In response to the invitations to be a consulting party on the South Cypress Creek Project, communication was received from the Choctaw, Quapaw and Muscogee Nation Tribal Officials/Tribal Historic Preservation Officers who recommended findings of “no effect” to historic properties and that work should proceed as planned (Shelby County assured the THPOs that if any artifacts were discovered, Shelby County would contact them immediately).
  5. The Wolf River Greenway’s environmental review and engineering activities were at 90% completion of the overall design. As of the end of the quarter, the NEPA/environmental review was nearing 100% completion. It is anticipated that the entire environmental, engineering and design activity will be completed by the end of the third quarter of 2019 (September 30, 2019).
  6. Construction of Phase 8 of the Greenway, at the end of the quarter, was 100% complete and final paperwork was being filed. Completed work included the installation of permanent signage, the installation of 275 tubular delineators, grading and seeding of areas disturbed by the construction work, the pouring/installation of concrete associated with construction, the installation of a HAWK signal, and the delivery and installation of electrical poles. Approximately 9,062 linear feet (of the anticipated 18,000 linear feet of the greenway) were complete as of the end of this quarter.
  7. The Big Creek Project saw the completion of the Phase 1 Archaeological Assessment on the area and the submittal of the assessment to the State Historical Preservation Office (SHPO), also, Shelby County received submission of the 30% design book for the Big Creek project for internal review, comments were submitted back to Barge for incorporation (either through addition or deletion) into the design as it moves forward.
- More fully detailed actions and accomplishments for each specific NDR activity is provided under each activity narrative within this QPR.

## Project Summary

Project #, Project Title	This Report Period	To Date	
	Program Funds Drawdown	Project Funds Budgeted	Program Funds Drawdown
1 - NDR, Regional Resilience Plan - NDR	\$96,056.44	\$2,100,000.00	\$1,743,356.84
2 - NDR, South Cypress Creek Watershed & Neighborhood	\$223,228.88	\$8,988,097.00	\$996,271.24
3 - NDR, Wolf River Wetland & Restoration Greenway - NDR	\$742,130.64	\$18,260,842.00	\$1,550,296.64



4 - NDR, Big Creek Wetland & Recreation Area - NDR	\$167,822.63	\$29,447,227.00	\$887,765.45
5 - NDR, Administration - NDR	\$93,503.25	\$1,648,997.00	\$524,666.70
6 - LTC, Long Term Commitments - LTC	\$0.00	\$0.00	\$0.00
7 - SL, Supporting Leverage - SL	\$0.00	\$0.00	\$0.00
8 - OV, Outcome Values - OV	\$0.00	\$0.00	\$0.00



## Activities

**Project # / Title:** 1 - NDR / Regional Resilience Plan - NDR

**Grantee Activity Number:** 1 - NDR - 01

**Activity Title:** Hydraulic Modeling

**Activity Category:**

Planning

**Project Number:**

1 - NDR

**Projected Start Date:**

03/30/2017

**Benefit Type:**

Area ( )

**National Objective:**

Urgent Need

**Activity Status:**

Under Way

**Project Title:**

Regional Resilience Plan - NDR

**Projected End Date:**

11/30/2018

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2

**Overall**

**Total Projected Budget from All Sources**

**Jan 1 thru Mar 31, 2019**

N/A

**To Date**

\$1,300,000.00

**Total Budget**

\$0.00

\$1,300,000.00

**Total Obligated**

\$0.00

\$1,300,000.00

**Total Funds Drawdown**

\$19,851.60

\$1,279,652.00

**Program Funds Drawdown**

\$19,851.60

\$1,279,652.00

**Program Income Drawdown**

\$0.00

\$0.00

**Program Income Received**

\$0.00

\$0.00

**Total Funds Expended**

\$19,851.60

\$1,279,652.00

Shelby County Government2

\$19,851.60

\$1,279,652.00

**Most Impacted and Distressed Expended**

\$0.00

\$0.00

**Match Contributed**

\$0.00

\$0.00

**Activity Description:**

Hydraulic Modeling of the three major drainage Basins in Shelby County as a part of the Master Resilience Plan for Shelby County.

**Location Description:**

3 watersheds of Shelby County.

**Activity Progress Narrative:**

Hydraulic modeling activities continued during the quarter with meetings between Hydraulic modeling team members to focus on the modeling efforts associated with the Hydraulic study and impacts on potential future resilience activities. Meetings took place on January 21st and February 20th, and included Shelby County staff the University of Memphis/CEASAR, along with individuals working on the Master Resilience Plan to incorporate aspects





of the Hydraulic Models into portions of the Resilience Plan that address future resilience strategies. The HEC-RAS models continued to be used to support review and analysis of potential improvements within Shelby County for use with both the Master Resilience Plan and portions of the environmental review and engineering design efforts of the larger NDR projects. Further applications of this work and potential uses by jurisdictions continued to be identified and discussed. As of the end of the quarter, the only portion of the Hydraulic Modeling still underway was the portion associated with the analysis of potential activities under Regional Resilience Master Plan. As of this report, 94.6% of the Hydraulic modeling activity was complete.

A brief preliminary narrative has been released to resilience staff by the University of Memphis/CEASER discussing early findings. The narrative focuses on impacted structures by flood zone within the Loosahatchie, Wolf, and Nonconnah river basins. The narrative also refers to sites chosen by the primary consultant, Sasaki, for flood mitigation. A meeting between all working groups is tentatively scheduled for April 15, 2019 by all working groups to further discuss the analysis.

## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Plans or Planning Products	0	0/1

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

## Activity Supporting Documents

**Document** 1 - NDR - 01 October-December \$15,341.95.pdf

**Document** 1 - NDR - 01 January-February 2019 \$4,509.65.pdf

**Document** Hydraulic Study Meeting Updates.pdf

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**Grantee Activity Number:** 1 - NDR - 02

**Activity Title:** Master Planning

**Activity Category:**

Planning

**Project Number:**

1 - NDR

**Projected Start Date:**

03/30/2017

**Benefit Type:**

Area ( )

**National Objective:**

Urgent Need

**Activity Status:**

Under Way

**Project Title:**

Regional Resilience Plan - NDR

**Projected End Date:**

06/30/2019

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$800,000.00
<b>Total Budget</b>	\$0.00	\$800,000.00
<b>Total Obligated</b>	\$0.00	\$800,000.00
<b>Total Funds Drawdown</b>	\$76,204.84	\$463,704.84
<b>Program Funds Drawdown</b>	\$76,204.84	\$463,704.84
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$76,204.84	\$463,704.84
Shelby County Government2	\$76,204.84	\$463,704.84
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Resilience planning, data development, public input and Resilience Plan finalization to establish long term resilience for Shelby County.

**Location Description:**

Shelby County, Tennessee

**Activity Progress Narrative:**

A major accomplishment during this quarter was the completion of the first draft of the Master Resilience Plan which was submitted to the Shelby County Office of Resilience and the Shelby County Resilience Commission March 29, 2019. The plan is now being fully reviewed by team members with the internal review process scheduled to be completed by April 30, 2019. It is anticipated that public meetings will be held next quarter to present the first complete version to stakeholders and the public with opportunity to solicit their comments and provide feedback. Currently, meetings are planned for mid-May 2019 and include four different locations within Shelby and DeSoto counties in order to gather feedback from across the region. Electronic comments will also provide opportunity for those unable to attend meetings and will be processed and incorporated into the Plan by Shelby County and Sasaki team members.

Other activities and accomplishments under the Master Plan included continued weekly team conference calls to discuss final plan development and issues, and weekly interaction with Sasaki as the first draft of the plan was



nearing the final stages. Additionally, interactive modeling utilizing the new Hydraulic Study/Models developed under the NDR Grant (as mentioned in other activities in this QPR) was underway to determine the future impact of potential resilience activities identified in the first draft of the Master Resilience Plan.

In summary, as of the close of the first quarter of 2019, the first review draft of Resilience Master Plan was 100% complete, the initial integration of the hydraulic modeling team was continuing, and the continued communication with area stakeholders and jurisdictions on potential partnerships in resiliency-focused work also continued. The Regional Resilience Master Plan is expected to be fully completed during the July – September 2019 quarter.

## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Plans or Planning Products	0	0/1
# of community engagement	0	6/9

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

## Activity Supporting Documents

Document	1 - NDR - 02 October-December 2018	\$45,711.88.pdf
Document	1 - NDR - 02 January-February 2019	\$30,492.96.pdf
Document	Regional Plan Meeting Agendas.pdf	

## Project # / Title: 2 - NDR / South Cypress Creek Watershed & Neighborhood

**Grantee Activity Number:** 2 - NDR - 01  
**Activity Title:** Infrastructure

**Activity Category:** Acquisition, construction, reconstruction of public facilities  
**Activity Status:** Planned



**Project Number:**

2 - NDR

**Projected Start Date:**

09/01/2019

**Benefit Type:**

Area ( )

**National Objective:**

Low/Mod

**Project Title:**

South Cypress Creek Watershed &amp; Neighborhood

**Projected End Date:**

06/15/2022

**Completed Activity Actual End Date:****Responsible Organization:**

Shelby County Government2

Overall	Jan 1 thru Mar 31, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$1,320,500.00
<b>Total Budget</b>	\$0.00	\$1,320,500.00
<b>Total Obligated</b>	\$0.00	\$1,320,500.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Actual Construction of the South Cypress Neighborhood Development Infrastructure Projects including reuse of repurposed vacant lots, community gardens, bidding, contract approval, and construction within the community.

**Location Description:**

South Cypress Creek Watershed in Southwest Memphis, Tennessee  
35.059753, -90.091317

**Activity Progress Narrative:**

Work on this the South Cypress Creek infrastructure activities will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office. The original start and end date for this activity was based on notification from HUD in December of 2015 of the grant award. However, the NDR grant was not fully accessible to Shelby County until mid-May of 2017. Because this activity is dependent on upon the project's engineering design, environmental review, and subsequent Release of Funds by HUD the project dates are being revised based on the anticipated completion of the design (2-NDR-06). The anticipated start date for this activity is November 2019; but is subject to the completion of the environmental review and Release of Funds for the project itself.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Linear feet of green public	0	0/16000

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

---

<b>Grantee Activity Number:</b>	<b>2 - NDR - 02</b>
<b>Activity Title:</b>	<b>Flood Mitigation/Stormwater</b>

**Activity Category:**

Dike/dam/stream-river bank repairs

**Project Number:**

2 - NDR

**Projected Start Date:**

09/01/2019

**Benefit Type:**

Area ( )

**National Objective:**

Low/Mod

**Activity Status:**

Planned

**Project Title:**

South Cypress Creek Watershed & Neighborhood

**Projected End Date:**

06/15/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2

Overall	Jan 1 thru Mar 31, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$2,038,736.00
<b>Total Budget</b>	\$0.00	\$2,038,736.00
<b>Total Obligated</b>	\$0.00	\$2,038,736.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Actual Construction of the South Cypress Watershed and Neighborhood Development Project including bidding, contract approval, and construction within the community.

**Location Description:**

South Cypress Creek Watershed in Southwest Memphis, Tennessee  
35.059753, -90.091317

**Activity Progress Narrative:**

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office. The original start and end date for this activity was based on notification from HUD in December of 2015 of the grant award. However, the NDR grant was not fully accessible to Shelby County until mid-May of 2017. Because this activity is dependent on upon the project's engineering design, environmental review, and subsequent Release of Funds by HUD the project dates are being revised based on the anticipated completion of the design (2-NDR-06). The anticipated start date for this activity is November 2019 but is subject to the completion of the environmental review and Release of Funds for the project itself.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Linear miles of Public	0	0/1

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
City of Memphis Public Works	\$1,500,000.00
Total Other Funding Sources	\$0.00

---





**Grantee Activity Number:** 2 - NDR - 03

**Activity Title:** Program Capital Costs

**Activity Category:**

Acquisition, construction, reconstruction of public facilities

**Activity Status:**

Planned

**Project Number:**

2 - NDR

**Project Title:**

South Cypress Creek Watershed & Neighborhood

**Projected Start Date:**

09/01/2019

**Projected End Date:**

06/15/2022

**Benefit Type:**

Area ( )

**Completed Activity Actual End Date:**

**National Objective:**

Low/Mod

**Responsible Organization:**

Shelby County Government2

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$450,000.00
<b>Total Budget</b>	\$0.00	\$450,000.00
<b>Total Obligated</b>	\$0.00	\$450,000.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Actual Construction of the South Cypress Watershed and Neighborhood Development Project including bidding, contract approval, and construction within the community.

**Location Description:**

South Cypress Creek Watershed in Southwest Memphis, Tennessee  
35.059753, -90.091317

**Activity Progress Narrative:**

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office. The original start and end date for this activity was based on notification from HUD in December of 2015 of the grant award. However, the NDR grant was not fully accessible to Shelby County until mid-May of 2017. Because this activity is dependent on upon the project's engineering design, environmental review, and subsequent Release of Funds by HUD the project dates are being revised based on the anticipated completion of the design (2-NDR-06). The anticipated start date for this activity is November 2019 but is subject to the completion of the environmental review and Release of Funds for the project itself.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Acres wetlands	0	0/85

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

---

**Grantee Activity Number:** 2 - NDR - 04

**Activity Title:** Property Acquisitions

**Activity Category:**

Acquisition - general

**Project Number:**

2 - NDR

**Projected Start Date:**

11/15/2019

**Benefit Type:**

Area ( )

**National Objective:**

Urgent Need

**Activity Status:**

Planned

**Project Title:**

South Cypress Creek Watershed & Neighborhood

**Projected End Date:**

02/28/2020

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$1,901,678.00
<b>Total Budget</b>	\$0.00	\$1,901,678.00
<b>Total Obligated</b>	\$0.00	\$1,901,678.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Voluntary acquisition of property which will be permanently returned to floodway/wetland as part of the overall resilience project.

**Location Description:**

South Cypress Creek Watershed in Southwest Memphis, Tennessee  
35.059753, -90.091317

**Activity Progress Narrative:**

The property acquisition under the South Cypress Creek will begin once the engineering/design and Environmental Review are completed. All acquisitions will be voluntary and comply with the Uniform Relocation Act (URA) set forth by the federal government. The original start and end date for this activity was based on notification from HUD in December of 2015 of the grant award. However, the NDR grant was not fully accessible to Shelby County until Mid-May of 2017. Because this activity is dependent upon the project's engineering design, environmental review, and subsequent Release of Funds by HUD the project dates are being revised based on the anticipated completion of the design (2-NDR-06). The anticipated start date for this activity is November 2019 but is subject to the completion of the environmental review and Release of Funds for the project itself.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Parcels acquired voluntarily	0	0/14
Total acquisition compensation to	0	0/1901678

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

---

**Grantee Activity Number:** 2 - NDR - 05

**Activity Title:** New Housing Development

**Activity Category:**

Rehabilitation/reconstruction of residential structures

**Project Number:**

2 - NDR

**Projected Start Date:**

11/15/2019

**Benefit Type:**

Direct ( HouseHold )

**National Objective:**

Low/Mod

**Activity Status:**

Planned

**Project Title:**

South Cypress Creek Watershed & Neighborhood

**Projected End Date:**

06/30/2020

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$1,512,500.00
<b>Total Budget</b>	\$0.00	\$1,512,500.00
<b>Total Obligated</b>	\$0.00	\$1,512,500.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Reconstruction of infill housing and housing rehabilitation for residents who participated voluntarily in property acquisition to include homebuyer assistance and assistance waivers to eligible homebuyers, as necessary. New activities will be added in the future to reflect non-LMI households assisted and other housing activity if necessary. Actual household income will be documented as individual clients are served under this activity.

**Location Description:**

South Cypress Creek Watershed in Southwest Memphis, Tennessee  
35.059753, -90.091317

**Activity Progress Narrative:**

Like the property acquisition activity (2-NDR-04) the New Housing Development activity will begin once the engineering/design and Environmental Review are completed. Under this activity, Shelby County will not be carrying on new construction on its own as new development. This activity is designed to provide a subsidized forgivable grant to owners who participate in the voluntary buyouts under 2-NDR-04. Again, Shelby County will not be developing housing in South Cypress Creek on its own under this NDR activity. The original start and end date for this activity was also based on notification from HUD in December of 2015 of the grant award. However, the NDR grant was not fully accessible to Shelby County until mid-May of 2017. Because this activity is dependent on upon the project's engineering design, environmental review, and subsequent Release of Funds by HUD the



project dates are being revised based on the anticipated completion of the design (2-NDR-06). The anticipated start date for this activity is November 2019 but is subject to the completion of the environmental review and Release of Funds for the project itself.

### Accomplishments Performance Measures

No Accomplishments Performance Measures

### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

### Activity Locations

No Activity Locations found.

### Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
City of Memphis Housing	\$100,000.00
Total Other Funding Sources	\$0.00

---



**Grantee Activity Number:** 2 - NDR - 06

**Activity Title:** Engineering and Testing

**Activity Category:**

Acquisition, construction, reconstruction of public facilities

**Project Number:**

2 - NDR

**Projected Start Date:**

03/30/2017

**Benefit Type:**

Area ( )

**National Objective:**

Low/Mod

**Activity Status:**

Under Way

**Project Title:**

South Cypress Creek Watershed & Neighborhood

**Projected End Date:**

08/01/2019

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2

Overall	Jan 1 thru Mar 31, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$1,764,683.00
<b>Total Budget</b>	\$0.00	\$1,764,683.00
<b>Total Obligated</b>	\$0.00	\$1,764,683.00
<b>Total Funds Drawdown</b>	\$223,228.88	\$996,271.24
<b>Program Funds Drawdown</b>	\$223,228.88	\$996,271.24
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$223,228.88	\$996,251.24
Shelby County Government2	\$223,228.88	\$996,251.24
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Development of environmental review, architectural and engineering designs and costs associated with overall design and implementation.

**Location Description:**

Funds will be used to design the Cypress Creek Project within the City of Memphis in Southwest Memphis, Tennessee. 35.059753, -90.091317

**Activity Progress Narrative:**

South Cypress Creek accomplishments during the quarter included moving forward with the environmental review and design concept. At the close of the quarter, the engineering designs for the South Cypress Creek Project were approaching the 40% completion mark. Additional meetings were being scheduled to reach agreement on final determinations associated with work within the project area (which are a part of the NEPA for the project) between the Tennessee Department of Environment and Conservation (TDEC) and the U.S. Corps of Engineers (USACE). Results from those meetings will be incorporated into future QPRs as information becomes available.

During the quarter, impacts were evaluated on the activity that contains wetlands within the project area, alternatives to activities were also evaluated, and the first 8-Step Notification Public Notices were published and provided to FEMA and the HUD Field Office. Ads ran on March 29th and 31st of 2019 (with additional ads



scheduled to run during the next quarter on April 4, 2019). In response to the invitations to be a consulting party, communication was received from the Choctaw, Quapaw and Muscogee Nation Tribal Officials/Tribal Historic Preservation Officers who recommended findings of “no effect” to historic properties and that work should proceed as planned (Shelby County assured the THPOs that if any artifacts were discovered, Shelby County would contact them immediately). Shelby County also submitted a Letter to the State of Tennessee’s Historic Perseveration Office for a Section 106 Review of the South Cypress Creek Project under the National Historical Preservation Act. The letter was submitted on January 27, 2019 and a response was received from Mr. E. Patrick McIntyre, Jr. dated February 7, 2019. Mr. McIntyre’s letter indicated: “After considering the documentation submitted, it is our opinion that there are no National Register of Historic Places listed or eligible properties affected by this undertaking.” Furthermore, the letter stated: “We have no objections to your proceeding with your undertaking.”

Please note: a keying error in the QPR submitted for April – June 2018 (submitted by Alfred Garrett on 7/27/2018) and approved by HUD should have reflected \$308,466.14 drawn and expended rather than \$308,446.14 for activity 2-NDR-06. As a result of this \$20.00 dollar keying error, a total of \$996,271.24 has actually been expended and drawn against 2-NDR-06 rather than the \$996,251.24 reflected as expended as of March 31, 2019. During each quarter, all funds drawn against the activity were expended and NO FUNDS were ever on hand or drawn prior to expenditure at any time.

Shelby County will contact the HUD Field Office to discuss correcting this keying error in the QPR during the next quarter. Finally, during the quarter, regular project team meetings took place to monitor the overall progress of the South Cypress Creek Project, identify issues that might delay moving the project forward, and to address any problems that may have arisen (or were anticipated to potential issues in the future).

## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Acres wetlands	0	0/15

## Beneficiaries Performance Measures

**No Beneficiaries Performance Measures found.**

## Activity Locations

**No Activity Locations found.**

## Other Funding Sources Budgeted - Detail

**No Other Match Funding Sources Found**

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

## Activity Supporting Documents



- Document** 2 - NDR - 06 October-December 2018 \$204,267.63.pdf
- Document** 2 - NDR - 06 January-February 2019 \$18,961.25.pdf
- Document** Response from TN Historical Commission 2019-02-07.pdf
- Document** South Cypress Creek\_NDR\_1st 8-Step Ad\_Shelby County, TN 2019-03-29.pdf
- Document** South Cypress Team Meeting Agendas.pdf
- Document** SHPO 106 Review Packet and Letter\_Mailed\_1-28-2019.pdf

**Project # / Title: 3 - NDR / Wolf River Wetland & Restoration Greenway - NDR**

**Grantee Activity Number: 3 - NDR -01**  
**Activity Title: Orchi Road Complete Street - Infrastructure & Cons**

<b>Activity Category:</b> Construction/reconstruction of streets	<b>Activity Status:</b> Planned
<b>Project Number:</b> 3 - NDR	<b>Project Title:</b> Wolf River Wetland & Restoration Greenway - NDR
<b>Projected Start Date:</b> 04/01/2019	<b>Projected End Date:</b> 05/01/2021
<b>Benefit Type:</b> Area ( )	<b>Completed Activity Actual End Date:</b>
<b>National Objective:</b> Low/Mod	<b>Responsible Organization:</b> Shelby County Government2

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$1,151,549.00
<b>Total Budget</b>	\$0.00	\$1,151,549.00
<b>Total Obligated</b>	\$0.00	\$1,151,549.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Reconstruction of Orchi Road to prevent future flooding of the are and to link low income residents with the



greenway and parks being developed under this project

### Location Description:

Wolf River Watershed between Kennedy Park on the East and Rodney Baber Park on the West  
35.177991, -89.937286

### Activity Progress Narrative:

Reconstruction of Orchi Road to prevent future flooding of the area and to link low income residents with the greenway and parks being developed under this activity. The activity will also develop safer roadways for pedestrian and residents within the activity boundaries.

### Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Linear feet of Public	0	0/1000
# of Linear miles of Public	0	0/2

### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

### Activity Locations

No Activity Locations found.

### Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

---



<b>Grantee Activity Number:</b>	<b>3 - NDR -02</b>
<b>Activity Title:</b>	<b>Rodney Baber Park - Infrastructure &amp; Construction</b>

**Activity Category:**

Acquisition, construction, reconstruction of public facilities

**Project Number:**

3 - NDR

**Projected Start Date:**

04/01/2019

**Benefit Type:**

Area ( )

**National Objective:**

Low/Mod

**Activity Status:**

Planned

**Project Title:**

Wolf River Wetland & Restoration Greenway - NDR

**Projected End Date:**

05/01/2021

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2

Overall	Jan 1 thru Mar 31, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$1,688,645.00
<b>Total Budget</b>	\$0.00	\$1,688,645.00
<b>Total Obligated</b>	\$0.00	\$1,688,645.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Reconstruction of Rodney Baber Park to create a more resilient park that links the Wolf River greenway, Kennedy Park and the Orchi Road activities.

**Location Description:**

Wolf River Watershed between Kennedy Park on the East and Rodney Baber Park on the West  
35.196180, -89.987756

**Activity Progress Narrative:**

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office.

**Accomplishments Performance Measures**

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of buildings (non-residential)	0	0/2



# of public facilities	0	0/1
# of Linear feet of green public	0	0/2500

### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

### Activity Locations

No Activity Locations found.

### Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
City of Memphis Public Works	\$1,500,000.00
Total Other Funding Sources	\$0.00

---



<b>Grantee Activity Number:</b>	<b>3 - NDR -03</b>
<b>Activity Title:</b>	<b>Kennedy Park - Infrastructure &amp; Construction</b>

**Activity Category:**

Acquisition, construction, reconstruction of public facilities

**Activity Status:**

Planned

**Project Number:**

3 - NDR

**Project Title:**

Wolf River Wetland & Restoration Greenway - NDR

**Projected Start Date:**

04/01/2019

**Projected End Date:**

05/01/2021

**Benefit Type:**

Area ( )

**Completed Activity Actual End Date:**

**National Objective:**

Low/Mod

**Responsible Organization:**

Shelby County Government2

Overall	Jan 1 thru Mar 31, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$436,586.00
<b>Total Budget</b>	\$0.00	\$436,586.00
<b>Total Obligated</b>	\$0.00	\$436,586.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Reconstruction of Kennedy Park to create a more resilient park that links the Wolf River greenway, Rodney Baber Park and the Orchi Road activities

**Location Description:**

Wolf River Watershed between Kennedy Park on the East and Rodney Baber Park on the West  
35.198212, -89.910189

**Activity Progress Narrative:**

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office.

**Accomplishments Performance Measures**

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of public facilities	0	0/1
# of Linear feet of green public	0	0/1000



### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

### Activity Locations

No Activity Locations found.

### Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

#### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

---



<b>Grantee Activity Number:</b>	<b>3 - NDR -04</b>
<b>Activity Title:</b>	<b>Park Earthwork/Utilities/Demolition</b>

**Activity Category:**  
Acquisition, construction, reconstruction of public facilities

**Activity Status:**  
Planned

**Project Number:**  
3 - NDR

**Project Title:**  
Wolf River Wetland & Restoration Greenway - NDR

**Projected Start Date:**  
04/01/2019

**Projected End Date:**  
05/01/2021

**Benefit Type:**  
Area ( )

**Completed Activity Actual End Date:**

**National Objective:**  
Low/Mod

**Responsible Organization:**  
Shelby County Government2

Overall	Jan 1 thru Mar 31, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$3,929,985.00
<b>Total Budget</b>	\$0.00	\$3,929,985.00
<b>Total Obligated</b>	\$0.00	\$3,929,985.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Reconstruction of the restoration area associated with the Wolf River Wetland and Restoration Greenway project.

**Location Description:**

Wolf River Watershed between Kennedy Park on the East and Rodney Baber Park on the West  
35.196180, -89.987756 to 35.198212, -89.910189

**Activity Progress Narrative:**

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office

**Accomplishments Performance Measures**

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Acres wetlands	0	0/5



### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

### Activity Locations

No Activity Locations found.

### Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

#### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

---





<b>Grantee Activity Number:</b>	<b>3 - NDR -05</b>
<b>Activity Title:</b>	<b>Engineering and Testing</b>

**Activity Category:**

Acquisition, construction, reconstruction of public facilities

**Project Number:**

3 - NDR

**Projected Start Date:**

04/01/2017

**Benefit Type:**

Area ( )

**National Objective:**

Urgent Need

**Activity Status:**

Under Way

**Project Title:**

Wolf River Wetland & Restoration Greenway - NDR

**Projected End Date:**

12/15/2018

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2

Overall	Jan 1 thru Mar 31, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$1,941,677.00
<b>Total Budget</b>	\$0.00	\$1,941,677.00
<b>Total Obligated</b>	\$0.00	\$1,941,677.00
<b>Total Funds Drawdown</b>	\$205,425.00	\$879,325.00
<b>Program Funds Drawdown</b>	\$205,425.00	\$879,325.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$205,425.00	\$879,325.00
Shelby County Government2	\$205,425.00	\$879,325.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Development of environmental review, architectural and engineering design and costs associated with overall design and implementation of the Wolf River Wetland and Restoration Greenway project.

**Location Description:**

Wolf River Watershed between Kennedy Park on the East and Rodney Baber Park on the West  
 35.196180, -89.987756, 35.198212, -89.910189, from 35.196180, -89.987756 to 35.198212, -89.910189 and 35.177991, -89.937286

**Activity Progress Narrative:**

Key accomplishments under the Wolf River Greenway’s environmental review and engineering activities included 90% completion of the overall design for the Wolf River Greenway and Restoration Project. After several reviews and conceptual designs, the team was in the final phase of designing the Orchi Road complete street design and Wolf River Greenway tie-in for the community. The final stages of the design for Orchi Road are focusing on revisions to existing driveway aprons along the street and review of potential easements along the redesigned street. As for Kennedy and Rodney Baber Parks design, all comments by the City of Memphis Parks and Recreation Department had been considered and addressed, final soil sampling in Rodney Baber was underway and being finalized, and the complete designs for both parks were in the final stage of completion. The NEPA/Environmental review was nearing 100% completion with the final engineering and design of the Wolf River Project coming to an end. It is



anticipated that this activity will be completed by the end of the third quarter of 2019 (September 30, 2019).

### Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Linear feet of green public	0	0/1000

### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

### Activity Locations

No Activity Locations found.

### Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
City of Memphis Public Works	\$250,000.00
Total Other Funding Sources	\$0.00

### Activity Supporting Documents

<b>Document</b>	3 - NDR - 05 October-December 2018 \$112,875.00.pdf
<b>Document</b>	3 - NDR - 05 January-February 2019 \$92,550.00.pdf
<b>Document</b>	Wolf River Team Progress Reports.pdf

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<b>Grantee Activity Number:</b>	<b>3 - NDR -06</b>
<b>Activity Title:</b>	<b>Property Acquisition</b>

**Activity Category:**

Acquisition - general

**Project Number:**

3 - NDR

**Projected Start Date:**

03/08/2019

**Benefit Type:**

Area ( )

**National Objective:**

Urgent Need

**Activity Status:**

Planned

**Project Title:**

Wolf River Wetland & Restoration Greenway - NDR

**Projected End Date:**

07/06/2019

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2

Overall	Jan 1 thru Mar 31, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$112,400.00
<b>Total Budget</b>	\$0.00	\$112,400.00
<b>Total Obligated</b>	\$0.00	\$112,400.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Voluntary purchase of property easements along the Wolf River Greenway all for the development of trailways along the Wolf River Greenway and Restoration Project which links Kennedy Park, Rodney Baber Park, and Orchi Road.

**Location Description:**

Wolf River Watershed between Kennedy Park on the East and Rodney Baber Park on the West  
35.198212, -89.910189

**Activity Progress Narrative:**

As the environmental review and the engineering design for the project near completion, Shelby County and the Environmental/Engineering and Design Team are evaluating the need for the purchase that was identified as an activity in the Phase 3 Award Budget. At this time, if the purchase of the property is not necessary, Shelby County plans to move these funds to another existing activity within the Wolf River Greenway Project. This will be determined in the final stages of the environmental review and engineering and design process. Based on the substantial amendment guidelines, moving these funds to another Wolf River activity should not constitute a substantial amendment to the NDR Grant; however, no change will occur without consultation with Shelby County's Region IV HUD Field Office and appropriate staff.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Parcels acquired voluntarily	0	0/1
Total acquisition compensation to	0	0/112400

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

---

<b>Grantee Activity Number:</b>	<b>3 - NDR -07</b>
<b>Activity Title:</b>	<b>Wolf River Greenway - Infrastructure &amp; Constructio</b>

**Activity Category:**

Acquisition, construction, reconstruction of public facilities

**Project Number:**

3 - NDR

**Projected Start Date:**

09/01/2017

**Benefit Type:**

Area ( )

**National Objective:**

Low/Mod

**Activity Status:**

Under Way

**Project Title:**

Wolf River Wetland & Restoration Greenway - NDR

**Projected End Date:**

09/01/2019

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2

Overall	Jan 1 thru Mar 31, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$9,000,000.00
<b>Total Budget</b>	\$0.00	\$9,000,000.00
<b>Total Obligated</b>	\$0.00	\$9,000,000.00
<b>Total Funds Drawdown</b>	\$536,705.64	\$670,971.64
<b>Program Funds Drawdown</b>	\$536,705.64	\$670,971.64
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$536,705.64	\$670,971.64
Shelby County Government2	\$536,705.64	\$670,971.64
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Construction of the Wolf River Greenway Trail system in conjunction with this project and as outlined in the Regional Greenprint.

**Location Description:**

Wolf River Watershed between Kennedy Park on the East and Rodney Baber Park on the West  
35.196180, -89.987756 to 35.198212, -89.910189

**Activity Progress Narrative:**

During the reporting period, key accomplishments included the following progress: (1) preparation of all Phase 6 required right-of-way acquisition documents and making appointments with property owners to acquire right-of-way; as of this report, Phase 6 easement acquisition was 30% complete. (2) Development of invitations to bid on appraisal and appraisal reviews for Phase 7 to the activity. (3) 80% completion of the purchase of easements on the three (3) properties needed to allow Phase 10A to move forward with construction. Under 10(A) of the three property easements, Shelby County has secured the Klimek easement, the Luther Terrace/HUD property easement was being finalized (HUD has approved the easement) and was undergoing acquisition, and the Rivergrove easement was in the final stages of acquisition. All acquisitions of Phase 10A easements are projected to be complete by May 22, 2019. Based on this estimated completion date, Shelby County anticipates bid will go out and



construction will begin on this portion of the Wolf River Greenway during the second/third quarter of 2019. As for construction of Phase 8, at the end of the quarter the work was 100% complete and final paperwork was being filed. Work fully completed included the installation of permanent signage, the installation of 275 tubular delineators, grading and seeding of areas disturbed by the construction work, the pouring/installation of concrete associated with construction, the installation of a HAWK signal, and the delivery and installation of electrical poles. With completion of this construction, approximately 9,062 linear feet (of the anticipated 18,000 linear feet of the greenway) was complete. Finally, Shelby County is in the process of finalizing engineer review of the fencing along a portion of the greenway over the Wolf River which is located on Highland and along the I-240. Design of the fencing has been reviewed and approved by Shelby County Engineering, is in the final review stages by the City of Memphis, and will be forwarded to the State of Tennessee for review upon local approval. Bids, award, and construction will begin once final approval from the State is obtained.

### Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Linear feet of green public	9062	9062/18000

### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

### Activity Locations

No Activity Locations found.

### Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
Wolf River Conservancy	\$31,500,000.00
Total Other Funding Sources	\$0.00

### Activity Supporting Documents

Document 3 - NDR - 07 October-December 2018 \$514,355.00.pdf



**Document** 3 -NDR - 07 January-February 2019 \$22,350.64.pdf

**Document** Form\_12575\_Report\_October 2018 - April 2019.pdf

**Document** Phase 8 Team Meeting Agendas.pdf

**Document** Phase 8\_Picture 1.jpg

**Image:**



**Document** Phase 8\_Picture 2.jpg

**Image:**



**Document** Phase 8\_Picture 3.jpg

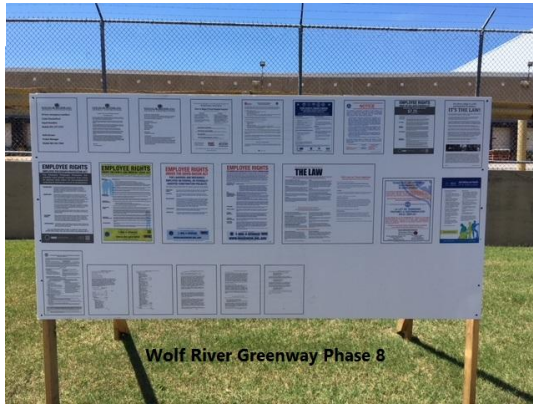
**Image:**



**Document**

WRG Phase 8\_Job Board.jpg

**Image:**



**Project # / Title: 4 - NDR / Big Creek Wetland & Recreation Area - NDR**

**Grantee Activity Number: 4 - NDR - 01**  
**Activity Title: Land Aquisition**

**Activitiy Category:**

Acquisition - general

**Project Number:**

4 - NDR

**Projected Start Date:**

09/01/2019

**Benefit Type:**

Area ( )

**National Objective:**

Urgent Need

**Activity Status:**

Planned

**Project Title:**

Big Creek Wetland & Recreation Area - NDR

**Projected End Date:**

06/15/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2

**Overall**

**Total Projected Budget from All Sources**

**Jan 1 thru Mar 31, 2019**

N/A

**To Date**

\$640,000.00

**Total Budget**

\$0.00

\$640,000.00

**Total Obligated**

\$0.00

\$640,000.00

**Total Funds Drawdown**

\$0.00

\$0.00

**Program Funds Drawdown**

\$0.00

\$0.00

**Program Income Drawdown**

\$0.00

\$0.00

**Program Income Received**

\$0.00

\$0.00

**Total Funds Expended**

\$0.00

\$0.00

    Shelby County Government2

\$0.00

\$0.00

**Most Impacted and Distressed Expended**

\$0.00

\$0.00

**Match Contributed**

\$0.00

\$0.00





### Activity Description:

Voluntary acquisition of property which will be permanently returned to floodway/wetland as part of the overall resilience project.

### Location Description:

Big Creek Watershed in Millington, TN from the Naval Support Activity Base on the East along Paul Barrett Parkway to Highway 51 on the West  
Located around 35.198212, -89.910189

### Activity Progress Narrative:

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office. At this time no adjustment is needed for the proposed start and end date.

### Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of Parcels acquired voluntarily	0	0/15
Total acquisition compensation to	0	0/640000

### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

### Activity Locations

No Activity Locations found.

### Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	



**Grantee Activity Number:** 4 - NDR - 02

**Activity Title:** Overbank Excavation

**Activity Category:**

Acquisition, construction, reconstruction of public facilities

**Activity Status:**

Planned

**Project Number:**

4 - NDR

**Project Title:**

Big Creek Wetland & Recreation Area - NDR

**Projected Start Date:**

09/01/2019

**Projected End Date:**

06/15/2022

**Benefit Type:**

Area ( )

**Completed Activity Actual End Date:**

**National Objective:**

Low/Mod

**Responsible Organization:**

Shelby County Government2

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$17,191,198.00
<b>Total Budget</b>	\$0.00	\$17,191,198.00
<b>Total Obligated</b>	\$0.00	\$17,191,198.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Construction of the Big Creek Wetland & Recreation Area Designing and constructing flood mitigation and water quality projects such as ponds, retention basins, terraces, community gardens and park amenities. This is excavation to provide floodway for protection of the area North of Big Creek.

**Location Description:**

Northern portion of Big Creek Watershed in Millington, TN from the Naval Support Activity Base on the East along Paul Barrett Parkway to Highway 51 on the West  
35.198212, -89.910189

**Activity Progress Narrative:**

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office. At this time no adjustment is needed for the proposed start and end date.

**Accomplishments Performance Measures**

**This Report Period**  
**Total**

**Cumulative Actual Total / Expected**  
**Total**



**Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

**Activity Locations**

**No Activity Locations found.**

**Other Funding Sources Budgeted - Detail**

**No Other Match Funding Sources Found**

**Other Funding Sources**

**Amount**

No Other Funding Sources Found

Total Other Funding Sources

---



<b>Grantee Activity Number:</b>	<b>4 - NDR - 03</b>
<b>Activity Title:</b>	<b>Recreational Facilities</b>

**Activity Category:**  
Acquisition, construction, reconstruction of public facilities

**Activity Status:**  
Planned

**Project Number:**  
4 - NDR

**Project Title:**  
Big Creek Wetland & Recreation Area - NDR

**Projected Start Date:**  
09/01/2019

**Projected End Date:**  
06/15/2022

**Benefit Type:**  
Area ( )

**Completed Activity Actual End Date:**

**National Objective:**  
Urgent Need

**Responsible Organization:**  
Shelby County Government2

Overall	Jan 1 thru Mar 31, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$5,236,797.00
<b>Total Budget</b>	\$0.00	\$5,236,797.00
<b>Total Obligated</b>	\$0.00	\$5,236,797.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Construction recreational facilities associated within the Big Creek project along the Big Creek Floodway.

**Location Description:**

Big Creek Watershed in Millington, TN from the Naval Support Activity Base on the East along Paul Barrett Parkway to Highway 51 on the West.  
35.198212, -89.910189

**Activity Progress Narrative:**

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office. At this time no adjustment is needed for the proposed start and end date.

**Accomplishments Performance Measures**

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of buildings (non-residential)	0	0/1



# of Linear feet of Public	0	0/3
# of Linear miles of Public	0	0/4

### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

### Activity Locations

No Activity Locations found.

### Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

---



**Grantee Activity Number:** 4 - NDR - 04

**Activity Title:** Bridge Modifications

**Activity Category:**

Acquisition, construction, reconstruction of public facilities

**Activity Status:**

Planned

**Project Number:**

4 - NDR

**Project Title:**

Big Creek Wetland & Recreation Area - NDR

**Projected Start Date:**

09/01/2019

**Projected End Date:**

06/15/2022

**Benefit Type:**

Area ( )

**Completed Activity Actual End Date:**

**National Objective:**

Low/Mod

**Responsible Organization:**

Shelby County Government2

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$1,953,027.00
<b>Total Budget</b>	\$0.00	\$1,953,027.00
<b>Total Obligated</b>	\$0.00	\$1,953,027.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

These bridge modifications remove restrictions to flood waters and will directly benefit LMI areas in Millington which are North of Big Creek Floodway by connecting them to the Big Creek facilities. 4 bridges will directly link these communities to the Big Creek development.

**Location Description:**

Big Creek Watershed in Millington, TN from the Naval Support Activity Base on the East along Paul Barrett Parkway to Highway 51 on the West.  
35.198212, -89.910189

**Activity Progress Narrative:**

Work on this activity will begin once all Environmental Reviews and engineering design for the overall project has been completed and the FONSI/RROF has been published and forwarded to the HUD Field Office. At this time no adjustment is needed for the proposed start and end date.

**Accomplishments Performance Measures**

**This Report Period  
Total**

**Cumulative Actual Total / Expected  
Total**



### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

### Activity Locations

No Activity Locations found.

### Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

#### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

---

**Grantee Activity Number:** 4 - NDR - 05

**Activity Title:** Tree Planting

**Activity Category:**

Acquisition, construction, reconstruction of public facilities

**Project Number:**

4 - NDR

**Projected Start Date:**

09/01/2019

**Benefit Type:**

Area ( )

**National Objective:**

Urgent Need

**Activity Status:**

Planned

**Project Title:**

Big Creek Wetland & Recreation Area - NDR

**Projected End Date:**

08/01/2020

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$125,000.00
<b>Total Budget</b>	\$0.00	\$125,000.00
<b>Total Obligated</b>	\$0.00	\$125,000.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

This activity is for the replanting of new tree canopy to insure that no net loss occurs to the tree canopy in the activity area due to work in the floodplain. The performance measurement represents an average of 40 trees per acre.

**Location Description:**

Big Creek Watershed in Millington, TN from the Naval Support Activity Base on the East along Paul Barrett Parkway to Navy Road on the West.

Various locations near 35.198212, -89.910189

**Activity Progress Narrative:**

The Tree Planting activity as mentioned in previous QPRs has been placed on hold pending the completion of environmental reviews and engineering design of the overall project. This was done in consultation with HUD due to tree planting being a separate activity under the Big Creek Project. The activity will move forward upon the completion of the FONSI/RROF and subsequent approval by the HUD Field Office.

**Accomplishments Performance Measures**

**This Report Period**  
**Total**

**Cumulative Actual Total / Expected**  
**Total**





### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

### Activity Locations

No Activity Locations found.

### Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

#### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

---

<b>Grantee Activity Number:</b>	<b>4 - NDR - 06</b>
<b>Activity Title:</b>	<b>Engineering for Floodway design and landscape arch</b>

**Activity Category:**

Acquisition, construction, reconstruction of public facilities

**Project Number:**

4 - NDR

**Projected Start Date:**

01/01/2017

**Benefit Type:**

Area ( )

**National Objective:**

Urgent Need

**Activity Status:**

Under Way

**Project Title:**

Big Creek Wetland & Recreation Area - NDR

**Projected End Date:**

08/01/2019

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2

Overall	Jan 1 thru Mar 31, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$4,301,204.00
<b>Total Budget</b>	\$0.00	\$4,301,204.00
<b>Total Obligated</b>	\$0.00	\$4,301,204.00
<b>Total Funds Drawdown</b>	\$167,822.63	\$887,765.45
<b>Program Funds Drawdown</b>	\$167,822.63	\$887,765.45
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$167,822.63	\$887,765.45
Shelby County Government2	\$167,822.63	\$887,765.45
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Architect/Engineering and testing for design of the overbank excavation, flood mitigation and recreational facilities.

**Location Description:**

Northern portion of Big Creek Watershed in Millington, TN from the Naval Support Activity Base on the East along Paul Barrett Parkway to Highway 51 on the West.

35.198212, -89.910189

**Activity Progress Narrative:**

In early January 2019, meetings between Shelby County, the Environmental/Design Team, the TN Department of Transportation, (TDOT) and the TN Department of Environment and Conservation (TDEC) took place to discuss a current update of the project, discussion of hydrologic determinations, wetland delineations, habitat assessments, and potential completion dates for each activity. At this meeting, it was anticipated that all required assessments, reviews, studies, etc. would be complete by/during the third quarter of 2019. At this time, with no delays anticipated and unanticipated issues/findings arising based on all local and state partners' current review of the project status, the team anticipates seeking a release of funds late in the third quarter of 2019.

Specific accomplishments during the quarter included: completion of additional requested field surveys and habitat



assessments, meetings with the City of Millington to review area designs, additional meetings with TDOT and TDEC to maintain communication and address questions and concerns as the environmental review and engineering design moved forward, completion of the Phase 1 Archaeological Assessment on the area and submittal of the assessment to the State Historical Preservation Office (SHPO), the submission of the 30% design of the Big Creek project for review and comment, and the submission of comments on the 30% design back to Barge for incorporation (either through addition or deletion) into the design as it moves forward.

## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of buildings (non-residential)	0	0/1
# of public facilities	0	0/3
# of Linear miles of Public	0	0/4
# of Acres wetlands	0	0/500

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

## Activity Supporting Documents

**Document** 4 - NDR - 06 October-December 2018 \$95,728.50.pdf

**Document** 4 - NDR- 06 January-February 2019 \$72,094.13.pdf



**Document** 38188-Big Creek\_Archaeological Phase 1 Assessent (Mar19)[v1.02].pdf

**Document** Big Creek Team Meeting Progress Reports.pdf

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**Project # / Title: 5 - NDR / Administration - NDR**

**Grantee Activity Number: 5 - NDR - 01**

**Activity Title: Program Administration**

**Activity Category:**

Administration

**Project Number:**

5 - NDR

**Projected Start Date:**

03/01/2017

**Benefit Type:**

( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

Administration - NDR

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2

**Overall**

	<b>Jan 1 thru Mar 31, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$1,648,997.00
<b>Total Budget</b>	\$0.00	\$1,648,997.00
<b>Total Obligated</b>	\$0.00	\$1,648,997.00
<b>Total Funds Drawdown</b>	\$93,503.25	\$524,666.70
<b>Program Funds Drawdown</b>	\$93,503.25	\$524,666.70
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$93,503.25	\$524,666.70
Shelby County Government2	\$93,503.25	\$524,666.70
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Grant Administration by Shelby County, Tennessee staff and consultants.

**Location Description:**

Shelby County Division of Planning and Development

**Activity Progress Narrative:**

During the January to March 2019 quarter, key administrative tasks completed included: (1) a meeting of the Wolf



River Greenway (WRG) Projects' team member to review and discuss the environmental, engineering and design status for the overall project and to make a first review and analysis of the 90% WRG design in order to move forward and finalize the project. (2) A Site visit to review and discuss the WRG fencing along N. Highland Street and the Wolf River and discuss potential design alterations for the installation of the fence, (3) the issuance and review of an RFQ for Engineering Services (CEI) associated with future construction activity once environmental designs are completed and funding has officially been released by HUD for NDR activities, (4) meetings between the Regional Resilience Master Plan Team and the Hydraulic Modeling Analysis Team (CEASAR) to incorporate information from the Hydraulic model into the Master Resilience Plan's potential resilience activities, and (5) coordination between the Regional Resilience Master Plan Team and the Shelby County Office of Sustainability in the development of their Climate Action Plan for Shelby County to ensure mutual concepts could be addressed.

Additionally, regular monthly Team meetings to monitor progress on South Cypress Creek, Wolf River, and Big Creek activities took place on 1/09, 2/06, and 3/06 and 3/19/2019. Furthermore, administration staff continued to hold regular Shelby County Resilience Council (SCRC) meetings on Friday mornings at 10:00 AM each week to discuss NDR progress, and to review and provide input into outstanding issues. Resilience staff also held weekly team conference calls with team members on the Master Resilience Plan.

Finally, NDR administrative staff continued working on the Annual West Tennessee Fair Housing Conference for 2019 with HUD, TN Human Rights Commission, Memphis Area Legal Services (MALS), City of Memphis, as part of NDR Fair Housing Activities. The conference will be held during the second quarter of 2019 on April 11, 2019 at the National Civil Rights Museum.

As of March 31, 2019, Shelby County had drawn down \$1,322,741.84 in grant funds from DRGR for the reporting period of January 1 through March 31, 2019. When combined with the \$4,379,615.03 drawn during the previous reporting periods, Shelby County had drawn a total of \$5,702,356.87 in DRGR. As of the end of this quarter, all funds drawn from DRGR had been expended by the County. Please note: a keying error in the QPR submitted for April – June 2018 (submitted by Alfred Garrett on 7/27/2018) and approved by HUD should have reflected \$308,466.14 drawn and expended rather than \$308,446.14 for activity 2-NDR-06. Shelby County will contact the HUD Field Office to discuss correcting this keying error in the QPR during the next quarter. All funds drawn have been spent to date and NO FUNDS were ever on hand or drawn prior to expenditure. Also, attached to this QPR is Form 2516-Contract Activity Report for the reporting period.

## Accomplishments Performance Measures

**No Accomplishments Performance Measures**

## Beneficiaries Performance Measures

**No Beneficiaries Performance Measures found.**

## Activity Locations

**No Activity Locations found.**

## Other Funding Sources Budgeted - Detail

**No Other Match Funding Sources Found**

### Other Funding Sources

**Amount**

No Other Funding Sources Found

Total Other Funding Sources

## Activity Supporting Documents

- Document**      5 - NDR - 01 ADMINISTRATION October-December 2018 \$57,121.99.pdf
- Document**      Resilience Grant B13-US-47-0002 Request for Reimbursement January 18, 2019 \$1,045,401.95.pdf
- Document**      Form 425\_December 2018.pdf
- Document**      5 - NDR - 01 January-February 2019 \$36,381.26.pdf
- Document**      Resilience Grant B13-US-47-0002 January-February 2019 \$277,339.89.pdf
- Document**      Form 425\_March 2019.pdf
- Document**      Form 425\_September 2018.pdf
- Document**      SCRC Team Meeting Agendas January - March 2019.pdf

**Project # / Title: 6 - LTC / Long Term Commitments - LTC**

**Grantee Activity Number: 6 - LTC - 01**  
**Activity Title: Greenprint**

<p><b>Activity Category:</b> NDR - Resilience Value</p> <p><b>Project Number:</b> 6 - LTC</p> <p><b>Projected Start Date:</b> 07/01/2012</p> <p><b>Benefit Type:</b> ( )</p> <p><b>National Objective:</b> NA</p>	<p><b>Activity Status:</b> Completed</p> <p><b>Project Title:</b> Long Term Commitments - LTC</p> <p><b>Projected End Date:</b> 01/31/2017</p> <p><b>Completed Activity Actual End Date:</b></p> <p><b>Responsible Organization:</b> Shelby County Government2</p>
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<b>Overall</b>	<b>Jan 1 thru Mar 31, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00



## Activity Description:

The Greenprint is a 25 year plan designed to enhance regional sustainability by establishing a unified vision for a region-wide network of green space areas which serves to address long-term housing and land use, resource conservation, environmental protection, accessibility, community health and wellness transportation alternatives, economic development, neighborhood engagement, and social equity in the Greater Memphis area.

The long term commitment to the Greenprint and the Region will be insured through the adoption of greenprint by 22 local jurisdictions who were part of the planning effort and the ultimate finalization of the Greenprint 2015/2040 plan.

## Location Description:

The greenprint is a long range plan for the Shelby County Region. The Greenprint study included the Memphis and West Memphis Metropolitan Planning organizations (MPOs) covering four counties and 18 municipalities located in the States of Tennessee, Arkansas and Mississippi. The study areas boundaries include Shelby County, TN and the cities of Arlington, Bartlett, Collierville, Germantown, Lakeland, Memphis, and Millington; northern DeSoto County, MS, including the cities of Hernando, Horn Lake, Olive Branch, Southaven, and Walls; eastern Crittenden County, AR, including the cities of West Memphis, Marion, and Sunset; and western Fayette County, TN including the cities of Piperton, Gallaway, and Braden

## Activity Progress Narrative:

All Long-Term Commitments were completed prior to 2017. The completion date was entered in the first QPR submitted for January 2017- March 2017. Supporting Documents were attached to the QPR for October 2017 – December 2017. The Action Plan was updated to show this commitment complete

## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of jurisdictions adopting	0	22/22

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	



**Grantee Activity Number:** 6 - LTC - 02  
**Activity Title:** Long Term Commitment - Wolf River Conservancy

**Activity Category:**

NDR - Resilience Value

**Project Number:**

6 - LTC

**Projected Start Date:**

01/01/2015

**Benefit Type:**

( )

**National Objective:**

NA

**Activity Status:**

Completed

**Project Title:**

Long Term Commitments - LTC

**Projected End Date:**

01/31/2017

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2

Overall	Jan 1 thru Mar 31, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Under this long term commitment the Wolf River Conserancy will protect/restore an additional 900 acres of of wetland within the Wolf River watershed in Shelby County.

**Location Description:**

The Wof River watershed starts in north Mississippi and flows northwest through Fayette and Shelby Counties to join the Mississippi River at Memphis. The watershed carves a green passage though 90 miles of forests, fields and communities. The upper Wolf's upper reaches are lush wetlands of unmatched beauty that help recharge the drinking water aquifer.

**Activity Progress Narrative:**

All Long-Term Commitments were completed prior to 2017. The completion date was entered in the first QPR submitted for January 2017- March 2017. Supporting Documents were attached to the QPR for October 2017 – December 2017. The Action Plan was updated to show this commitment complete.





## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of acres of wetland	0	1244/900

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

---

<b>Grantee Activity Number:</b>	<b>6 - LTC - 03</b>
<b>Activity Title:</b>	<b>Long Term Commitment - Ready Shelby</b>

**Activity Category:**

NDR - Resilience Value

**Project Number:**

6 - LTC

**Projected Start Date:**

01/01/2015

**Benefit Type:**

( )

**National Objective:**

NA

**Activity Status:**

Completed

**Project Title:**

Long Term Commitments - LTC

**Projected End Date:**

01/31/2017

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2

Overall	Jan 1 thru Mar 31, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

The initiative is designed to educate Shelby County residents on how to prepare for an emergency, with specific attention given to the first 72 hours after an emergency and to partner with public private, faith-based and non-profit sectors to share the guidelines and the overall importance of emergency preparedness for Shelby County. The project under this commitment is to reach an additional 200,000 households.

**Location Description:**

Ready Shelby is located in Shelby County and is a collaborative initiative supported by Shelby County Government, all municipalities within the County (Arlington, Bartlett, Collierville, Germantown, Lakeland, Memphis, and Millington) and the Assisi Foundation.

**Activity Progress Narrative:**

All Long-Term Commitments were completed prior to 2017. Ready Shelby is a collaborative initiative supported by Shelby County Government, all municipalities within the County (Arlington, Bartlett, Collierville, Germantown, Lakeland, Memphis, and Millington) and the Assisi Foundation. The Action Plan was updated to show this commitment complete.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of households reached	0	421000/20000

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

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<b>Grantee Activity Number:</b>	<b>6 - LTC - 04</b>
<b>Activity Title:</b>	<b>LTC - Memphis Project Delivery Manual</b>

**Activity Category:**

NDR - Resilience Value

**Project Number:**

6 - LTC

**Projected Start Date:**

01/01/2015

**Benefit Type:**

( )

**National Objective:**

NA

**Activity Status:**

Completed

**Project Title:**

Long Term Commitments - LTC

**Projected End Date:**

01/01/2017

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

The City of Memphis Project Delivery Manual included design guidelines for streets that include safe accommodations for vehicles, bicycles, pedestrians, and transit users of all ages and abilities. Once adopted, all street improvements will be required to consult the manual for design and engineering treatments. The manual will allow streets and street segments to be adopted as complete streets in context of the design.

**Location Description:**

The City of Memphis, Tennessee.

**Activity Progress Narrative:**

All Long-Term Commitments were completed prior to 2017. The completion date was entered in the first QPR submitted for January 2017- March 2017. Supporting Documents were attached to the QPR for October 2017 – December 2017. The Action Plan was updated to show this commitment complete.

**Accomplishments Performance Measures**

	<b>This Report Period</b>	<b>Cumulative Actual Total / Expected</b>
	<b>Total</b>	<b>Total</b>
<b># of plans adopted</b>	0	1/1



## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

### Other Funding Sources

Amount

No Other Funding Sources Found

Total Other Funding Sources

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## Project # / Title: 7 - SL / Supporting Leverage - SL

**Grantee Activity Number:** 7 - SL - 01

**Activity Title:** Greenprint Implementation and Staff Support

**Activity Category:**

NDR - Supporting Leverage

**Project Number:**

7 - SL

**Projected Start Date:**

12/21/2016

**Benefit Type:**

( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

Supporting Leverage - SL

**Projected End Date:**

06/15/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2

### Overall

**Total Projected Budget from All Sources**

**Jan 1 thru Mar 31, 2019**

N/A

**To Date**

\$0.00

**Total Budget**

\$0.00

\$0.00

**Total Obligated**

\$0.00

\$0.00

**Total Funds Drawdown**

\$0.00

\$0.00

**Program Funds Drawdown**

\$0.00

\$0.00



<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

### Activity Description:

GREENPRINT Implementation Support - The Hyde Family Foundations, a local philanthropy, gifted \$157,000.00 and the Greater Memphis Chamber of Commerce committed an additional \$57,000.00 to fund a coordinator position to transition the GREENPRINT (the platform for the NDRC competition) from plan to implementation. This leverage also supports the Regional Resilience Plan activity developed in this application.

### Location Description:

The Memphis and West Memphis Metropolitan Planning organizations (MPOs) covering four counties and and 18 municipalities located in the States of Tennessee, Arkansas, and Mississippi. The study areas boundaries include Shelby County, TN, and the cities of Arlington, Bartlett, Collierville, Germantown, Lakeland, Memphis, and Millington; northern DeSoto County, MS, including the the cities of Hernando, Horn Lake, Olive Branch, Southaven, and Walls; eastern Crittenden County, AR, including the cities of West Memphis, marion, and Sunset; and western Fayette County, TN, including the cities of Piperton, Galloway, and Braden.

### Activity Progress Narrative:

Documentation on Supporting Leverage is being compiled for future reporting. The Greenprint efforts are an on-going effort and any leveraged activities will be documented as needed over the course of these quarterly reports.

## Accomplishments Performance Measures

**No Accomplishments Performance Measures**

## Beneficiaries Performance Measures

**No Beneficiaries Performance Measures found.**

## Activity Locations

**No Activity Locations found.**

## Other Funding Sources Budgeted - Detail

**No Other Match Funding Sources Found**

Other Funding Sources	Amount
Greater Memphis Chamber of Commerce	\$57,000.00
Hyde Family Foundation	\$157,000.00
Total Other Funding Sources	\$0.00



<b>Grantee Activity Number:</b>	<b>7 - SL - 02</b>
<b>Activity Title:</b>	<b>Shelby Farms Greenline and Park Trails</b>

**Activity Category:**

Rehabilitation/reconstruction of a public improvement

**Project Number:**

7 - SL

**Projected Start Date:**

09/01/2014

**Benefit Type:**

( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

Supporting Leverage - SL

**Projected End Date:**

09/30/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2

Overall	Jan 1 thru Mar 31, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Shelby County's supporting leverage of \$5,822,181.00 is aligned with the Shelby Farms Greenline and Park Trails. These trail corridors were identified within the GREENPRINT will be and will further connect recreational access points within Shelby Farms and creating a network for Shelby County citizens to access the park amenities without the need for a motorized vehicle.

**Location Description:**

Shelby County (specifically, the Shelby Farms Park Greenline and Park trails, the Greenline connection to the Wolf River Restoration Greenway, a trail system from central Shelby County to the Frayser community.

**Activity Progress Narrative:**

Shelby County's supporting leverage of \$5,822,181.00 is aligned with the Shelby Farms Greenline and Park Trails. These trail corridors were identified within the GREENPRINT will be and will further connections and recreational access points within Shelby Farms and creating a network for Shelby County citizens to access the park amenities without the need for a motorized vehicle.



## Accomplishments Performance Measures

No Accomplishments Performance Measures

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
Shelby County Government	\$5,822,181.00
Total Other Funding Sources	\$0.00

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<b>Grantee Activity Number:</b>	<b>7 - SL - 03</b>
<b>Activity Title:</b>	<b>Main-to-Main Multimodel Connector</b>

**Activity Category:**  
NDR - Supporting Leverage

**Project Number:**  
7 - SL

**Projected Start Date:**  
01/01/2015

**Benefit Type:**  
( )

**National Objective:**  
NA

**Activity Status:**  
Under Way

**Project Title:**  
Supporting Leverage - SL

**Projected End Date:**  
06/15/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**  
Shelby County Government2

Overall	Jan 1 thru Mar 31, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

The \$34,423,302.00 in supporting leverage under the Main to main connector provides direct bicycle and pedestrian access from downtown Memphis, TN to the City of West Memphis, AR via the Harahan Bridge. The project creates a pedestrian corridor across an active railway/highway bridge connector over the Mississippi River and allows individuals to directly bike, run, or walk from Tennessee to Arkansas across the river.

**Location Description:**

Downtown Memphis, TN to the City of West Memphis, Arkansas via the Harahan Bridge across the Mississippi River.

**Activity Progress Narrative:**

The \$34,423,302.00 in supporting leverage under the Main to main connector provides direct bicycle and pedestrian access from downtown Memphis, TN to the City of West Memphis, AR via the Harahan Bridge. The project creates a pedestrian corridor across an active railway/highway bridge connector over the Mississippi River and allows individuals to bike, run, or walk from Tennessee to Arkansas across the river.



## Accomplishments Performance Measures

No Accomplishments Performance Measures

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
City of Memphis Public Works	\$34,423,302.00
Total Other Funding Sources	\$0.00

---

**Grantee Activity Number:** 7 - SL - 04

**Activity Title:** Greenline and Trail Connectors

**Activity Category:**

NDR - Supporting Leverage

**Project Number:**

7 - SL

**Projected Start Date:**

09/01/2014

**Benefit Type:**

( )

**National Objective:**

NA

**Activity Status:**

Under Way

**Project Title:**

Supporting Leverage - SL

**Projected End Date:**

06/15/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

The \$4,338,696.00 in supporting leverage for the Greenline and Trail Connectors will further develop the overall Greenprint platform on which the NDR application was overlaid. The greenline and trail connectors are funded through the Memphis Urban Area Metropolitan Planning Organization, a Department of DPD. The connectors provide further access to areas of Shelby County using a more passive system of trails and greenways which allow individuals a form of alternate travel throughout the community via walking, running, or bicycling.

**Location Description:**

The Greenline and trail are located along the Fletcher Creek Greenway, Overton Park Cooper Street Trail and Perimeter Trail, Germantown Greenway, Chelsea Avenue Greenline, South Memphis Greenline, Shelby Farms Greenline Bridge, and Arlington Bike/Pedestrian Trail

**Activity Progress Narrative:**

The Greenline and trail connectors are located along the Fletcher Creek Greenway, Overton Park Cooper Street Trail and Perimeter Trail, Germantown Greenway, Chelsea Avenue Greenline, South Memphis Greenline, Shelby Farms Greenline Bridge, and Arlington Bike/Pedestrian Trail. As updates become available on these projects details will be included in the appropriate QPR.



## Accomplishments Performance Measures

No Accomplishments Performance Measures

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
Memphis Urban Area Metropolitan Planning Organization	\$4,338,696.00
Total Other Funding Sources	\$0.00

---

<b>Grantee Activity Number:</b>	<b>7 - SL - 05</b>
<b>Activity Title:</b>	<b>Big Creek Drainage Study</b>

**Activity Category:**  
NDR - Supporting Leverage

**Project Number:**  
7 - SL

**Projected Start Date:**  
12/21/2014

**Benefit Type:**  
( )

**National Objective:**  
NA

**Activity Status:**  
Under Way

**Project Title:**  
Supporting Leverage - SL

**Projected End Date:**  
06/15/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**  
Shelby County Government2

Overall	Jan 1 thru Mar 31, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

The \$72,000.00 in supporting leverage was used to conduct a Big Creek Drainage Study. The study was the result of the 2011 disasters. In response, Shelby County conducted a drainage study for innovative and resilient approaches to address potential future impacts from flooding along Big Creek. This study provides for baseline guidance in the design and development of the Big Creek Wetland and Restoration Greenway activity proposed in Phase 2 of the NDR application.

**Location Description:**

Big Creek and the Big Creek drainage basin in Northern Shelby County.

**Activity Progress Narrative:**

The \$72,000.00 in supporting leverage was used to conduct a Big Creek Drainage Study. The study was done as a result of the 2011 disasters. In response to that event, Shelby County conducted a drainage study for innovative and resilient approaches to address potential future impacts from flooding along Big Creek. This study provides for baseline guidance in the design and development of the Big Creek Wetland and Restoration Greenway activity proposed in Phase 2 of the NDR application. Total expenditures under this commitment came to \$84,809.13.



## Accomplishments Performance Measures

No Accomplishments Performance Measures

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
Shelby County Government	\$72,000.00
Total Other Funding Sources	\$0.00

## Project # / Title: 8 - OV / Outcome Values - OV

<b>Grantee Activity Number:</b>	<b>8-OV-01-1</b>
<b>Activity Title:</b>	<b>Shelby County OV - Resilience Plan</b>

**Activity Category:**

NDR - Resilience Value

**Project Number:**

8 - OV

**Projected Start Date:**

12/21/2016

**Benefit Type:**

( )

**National Objective:**

Low/Mod

**Activity Status:**

Under Way

**Project Title:**

Outcome Values - OV

**Projected End Date:**

07/01/2019

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2

Overall	Jan 1 thru Mar 31, 2019	To Date
Total Projected Budget from All Sources	N/A	\$0.00
Total Budget	\$0.00	\$0.00
Total Obligated	\$0.00	\$0.00
Total Funds Drawdown	\$0.00	\$0.00
Program Funds Drawdown	\$0.00	\$0.00



<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

### Activity Description:

The plan will consist of two parts: a Hydraulic study of 3 major Drainage Basins in Shelby County and an overall plan that will engage the public and identify potential new resilience activities and projects that can be implemented as additional funds become available in the future. The Baseline for this outcome is 0 and will produce 1 plan which will include hydraulic models.

### Location Description:

This is a Regional Plan that covers Shelby County and the Memphis MPO service area.

### Activity Progress Narrative:

The plan will consist of two parts: A Hydraulic study of three major drainage basins in Shelby County and an overall plan that will engage the public and identify potential new resilience activities and projects that can be implemented as additional funds become available in the future. The Baseline for this outcome is 0 (no existing plan) and will produce one plan which will include hydraulic models. Both the Hydraulic Study and the overall Master Resilience Plan are underway and the Outcome Value will be reported when completed. The Hydraulic modeling of the three drainage basins (Nonconnah, Loosahatchie, and Wolf River) was completed in the June of 2018. The final report associated with modeling is still underway due to parts of the model being used for NDR activities. The draft will be finalized when the models are completed. The Master Resilience Plan development officially kicked-off in January and February of 2018. At the close of 2018 the Resilience Plan was 45% complete with an anticipated completion date of August 2019. The next measure will occur in December of 2019, with interim reports each quarter under the activities themselves.

### Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of resilience plans created	0	0/1

### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

### Activity Locations

No Activity Locations found.

### Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

**Other Funding Sources**

**Amount**

No Other Funding Sources Found

Total Other Funding Sources

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<b>Grantee Activity Number:</b>	<b>8-OV-02-1</b>
<b>Activity Title:</b>	<b>South Cypress OV - Repurposed Lots</b>

**Activity Category:**

NDR - Social Value

**Project Number:**

8 - OV

**Projected Start Date:**

12/21/2016

**Benefit Type:**

( )

**National Objective:**

NA

**Activity Status:**

Planned

**Project Title:**

Outcome Values - OV

**Projected End Date:**

06/15/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2

<b>Overall</b>	<b>Jan 1 thru Mar 31, 2019</b>	<b>To Date</b>
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

This activity will repurpose flood lots for other uses within the South Cypress Creek project area. Uses at designated in the Phase 2 were classified as gardens, permanent flood plane lots, and wild lots). Lots use and accomplishments will be determined per Sasaki design of the target ares. Proposed accomplishments to be determined upon design completion. The Baseline for this outcome is 0 and will outcomes will be based on the Sasaki designs. The repurposed lots will be reported annually. 10 lots have been shown as a projection at this time based on preliminary designs.

**Location Description:**

South Cypress Creek Watershed Development and Neighborhood Development Project in South Memphis, Tennessee: specifically Census Tract 222.20 Block Groups 2, 3, and 4.

**Activity Progress Narrative:**

This activity will repurpose flood lots for other uses within the South Cypress Creek project area. Uses as designated in the Phase 2 were classified as gardens, permanent flood plain lots, and wild lots. Lots use and accomplishments will be determined per Sasaki design of the target area. Proposed accomplishments to be determined upon design completion. The Baseline for this outcome is 0 and outcomes will be based on the Sasaki designs. The re-purposed lots will be reported annually. Ten lots have been shown as a projection based on preliminary designs. The South Cypress Creek Project is still in the environmental and design phase at this time and no action has taken place which enables a measurement under this outcome value. The next measure will occur in



December of 2019.

### Accomplishments Performance Measures

	This Report Period Total	Cumulative Actual Total / Expected Total
# of vacant lots repurposed	0	0/10

### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

### Activity Locations

No Activity Locations found.

### Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

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<b>Grantee Activity Number:</b>	<b>8-OV-02-2</b>
<b>Activity Title:</b>	<b>South Cypress OV - Property Value Increase</b>

**Activity Category:**

NDR - Economic Value

**Project Number:**

8 - OV

**Projected Start Date:**

12/21/2016

**Benefit Type:**

( )

**National Objective:**

NA

**Activity Status:**

Planned

**Project Title:**

Outcome Values - OV

**Projected End Date:**

06/15/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2

Overall	Jan 1 thru Mar 31, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

The measure for this Outcome Value is a 3% cumulative increase in the assessed property values within the project neighborhood over the next five year period. The baseline for this outcome value is the 2011 property value level which was assessed at \$1,160,490.00 (appraised value of \$7,222,200) per the Shelby County Assessor. First measure of value will be in December 2017.

**Location Description:**

South Cypress Creek Watershed Development and Neighborhood Development Project in South Memphis, Tennessee: specifically Census Tract 222.20 Block Groups 2, 3, and 4.

**Activity Progress Narrative:**

The measure for this Outcome Value is a 3% cumulative increase in the assessed property values within the project neighborhood over the next five-year period. The baseline for this outcome value is the 2011 property value level which was assessed at \$1,607,765.00 (appraised value of \$7,222,200) per the Shelby County Assessor. First measure of value was in December 2017. In 2017, during the Shelby County re-appraisal process, the current assessment value of the units previously identified in the project area was \$1,001,915 (with an appraised value of \$4,479,100). While down from the 2011 assessment/appraised values, this will provide an excellent baseline for the area in the pre-development/construction phase. In 2018, Shelby County reviewed the current assessment value of the units previously identified in the project area,



which totaled \$1,001,865 (with an appraised value of \$4,470,200). While slightly down from the 2017 assessment/appraised values, it appears that the values were stable between 2017 and 2018. Given this baseline, future measurements for this outcome value should present a clear picture as to whether increases in these values can possibly be attributed to the South Cypress Creek Restoration Project once it is completed. The next measurement will take place in December 2019.

### Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
% increase in median property	0	0/3

### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

### Activity Locations

No Activity Locations found.

### Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	



<b>Grantee Activity Number:</b>	<b>8-OV-02-3</b>
<b>Activity Title:</b>	<b>South Cypress OV - Restoration of Cypress Creek</b>

**Activity Category:**

NDR - Environmental Value

**Project Number:**

8 - OV

**Projected Start Date:**

12/21/2016

**Benefit Type:**

( )

**National Objective:**

NA

**Activity Status:**

Planned

**Project Title:**

Outcome Values - OV

**Projected End Date:**

06/15/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2

Overall	Jan 1 thru Mar 31, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

This Outcome Value Activity will lead to 3000 feet of stream restoration in the Cypress Creek Watershed and Neighborhood. The current baseline is 0 since no stream restoration has occurred at this time. The total feet of stream restored will be reported upon completion of the project with interim feet record when possible each quarter.

**Location Description:**

South Cypress Creek Watershed Development and Neighborhood Development Project in South Memphis, Tennessee: specifically Census Tract 222.20 Block Groups 2, 3, and 4.

**Activity Progress Narrative:**

This Outcome Value Activity will lead to 3000 feet of stream restoration in the Cypress Creek Watershed and Neighborhood. The current baseline is 0 since no stream restoration has occurred at this time. The total feet of stream restored will be reported upon completion of the project with interim feet recorded when possible each quarter. The South Cypress Creek Project is still in the environmental and design phase at this time and no action has taken place which enables a measurement under this outcome value. The next measure will occur in December of 2019.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# linear feet of streams restored	0	0/3000

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

---

<b>Grantee Activity Number:</b>	<b>8-OV-02-4</b>
<b>Activity Title:</b>	<b>South Cypress OV - Reduced Floodplain Occupancy</b>

**Activity Category:**  
NDR - Resilience Value

**Project Number:**  
8 - OV

**Projected Start Date:**  
12/21/2016

**Benefit Type:**  
( )

**National Objective:**  
NA

**Activity Status:**  
Planned

**Project Title:**  
Outcome Values - OV

**Projected End Date:**  
06/15/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**  
Shelby County Government2

Overall	Jan 1 thru Mar 31, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Through a visual survey, a baseline number of units in the 100 year floodway will be identified. The number will be monitored as the South Cypress Creek Project progresses with a ultimate target outcome of having 0 lots in the neighborhood located in the 100 year flood plain. The baseline for this activity is 20 units currently in the floodway as identified by the use of flood maps and a visual survey.

**Location Description:**

South Cypress Creek Watershed Development and Neighborhood Development Project in South Memphis, Tennessee: specifically Census Tract 222.20 Block Groups 2, 3, and 4.

**Activity Progress Narrative:**

The baseline for this activity is 20 units currently in the floodway as identified using flood maps and a visual survey. The South Cypress Creek Project is still in the environmental and design phase now and no action has taken place which enables a measurement under this outcome value. The next measure will occur in December of 2019.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# occupied structures in floodplain	0	20/0

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

---



<b>Grantee Activity Number:</b>	<b>8-OV-03-1</b>
<b>Activity Title:</b>	<b>Wolf River OV - Increased Greenway Use</b>

**Activity Category:**

NDR - Social Value

**Project Number:**

8 - OV

**Projected Start Date:**

12/21/2016

**Benefit Type:**

( )

**National Objective:**

NA

**Activity Status:**

Planned

**Project Title:**

Outcome Values - OV

**Projected End Date:**

06/15/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2

Overall	Jan 1 thru Mar 31, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

This outcome value anticipated increase from no current use to an average daily use of the Wolf River Wetland and Restoration Greenway of 200 individuals. This will include individuals who walk, run, bike, etc. along the system. The current baseline of this value is 0 since the trail is not complete. Reporting on this activity will occur annually.

**Location Description:**

Wolf River Watershed between Kennedy Park on the East and Rodney Baber Park on the West.

**Activity Progress Narrative:**

This outcome value anticipates an increase from no current use to an average daily use of the Wolf River Wetland and Restoration Greenway by 200 individuals. This will include individuals who walk, run, or bike. along the system. The current baseline of this value is 0 since the trail is not complete. Reporting on this activity will occur annually. At this time, the Wolf River Greenway Project and the activities associated with it are still in the environmental review and design stage. Therefore, no measurements on this outcome value are available for reporting for trail usage. The next measure will occur in December of 2019.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of users of trail system	0	0/200

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

---

<b>Grantee Activity Number:</b>	<b>8-OV-03-2</b>
<b>Activity Title:</b>	<b>Wolf River OV - Attracting New Business</b>

**Activity Category:**

NDR - Economic Value

**Project Number:**

8 - OV

**Projected Start Date:**

12/21/2016

**Benefit Type:**

( )

**National Objective:**

Low/Mod

**Activity Status:**

Planned

**Project Title:**

Outcome Values - OV

**Projected End Date:**

06/15/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2

Overall	Jan 1 thru Mar 31, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

This outcome values project to attract new businesses to the area as the project moves forward to completion at an estimate of 2 per year. The current base line is 0 and the measure of new businesses opening in the area will be measured annually. The value is to be reviewed annually. The first measure will occur in December 2017.

**Location Description:**

Wolf River Watershed between Kennedy Park on the East and Rodney Baber Park on the West and new businesses generated within 1/2 mile of this area.

**Activity Progress Narrative:**

The Wolf River Greenway Project falls within zip codes 38127 and 38128. While this outcome value is based on new businesses who choose to locate within the project area upon completion of the project, Shelby County is working to create a baseline that establishes a pre-development guide for businesses within the ½ mile radius. At the close of December 2017, there were 1,519 businesses identified within a ½ mile radius of the Wolf River Greenway Project Area as previously reported. As of December 2018, Shelby County had identified some 6,900 businesses licensed within zip codes 38127 and 38128 area; but recent changes in the County Clerk’s office had temporarily limited the ability to map only those within ½ mile of the project area. At the close of the December reporting period, Shelby County was in the process of obtaining addresses, mapping and coding these business by



their addresses to identify the exact number of business located within the ½ mile radius. This number of businesses within the ½ mile radius of the project will be reported once access to property addresses by business permit is fully accessible through the Shelby County Clerk’s Office as the project within the target area as the Wolf River Project moves toward completion.

### Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of new businesses locating	0	0/2

### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

### Activity Locations

No Activity Locations found.

### Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	



<b>Grantee Activity Number:</b>	<b>8-OV-03-3</b>
<b>Activity Title:</b>	<b>Wolf River OV - Increased Wetlands</b>

**Activity Category:**  
NDR - Environmental Value

**Activity Status:**  
Planned

**Project Number:**  
8 - OV

**Project Title:**  
Outcome Values - OV

**Projected Start Date:**  
12/21/2016

**Projected End Date:**  
06/15/2022

**Benefit Type:**  
( )

**Completed Activity Actual End Date:**

**National Objective:**  
NA

**Responsible Organization:**  
Shelby County Government2

Overall	Jan 1 thru Mar 31, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

This outcome value projects and increase of 12 acres of wetlands in the project area by project completion. The baseline for this outcome value is 859 acres based on wetland maps of the area between Kennedy and Rodney Baber Park. This expansion will be measured on an annual basis with the first measure occurring in December 2017.

**Location Description:**

Wolf River Watershed between Kennedy Park on the East and Rodney Baber Park on the West.

**Activity Progress Narrative:**

This outcome value projects and increase of 12 acres of wetlands in the project area by project completion. The baseline for this outcome value is 859 acres based on wetland maps of the area between Kennedy and Rodney Baber Park. This expansion will be measured on an annual basis with the first measure having already occurred in December 2017. At this time, the NDR Wolf River Greenway Project and the activities associated with it are still in the environmental review and design stage. Therefore, no measurements on this outcome value within the NDR fund area are available for reporting for increase in wetlands in the area.

In 2018, the Wolf River Conservancy did purchase mitigation credits related to the Wolf River Greenway for Epping Way/Kennedy Park Bike and Pedestrian Trails at the Wolf River. This did not result in the creation of new wetlands. At the close of 2018, Phase 9 (Epping Way/Kennedy) resulted in the creation of a floodwater storage area/pond



which totals 60,375 square feet and includes the planting of Cypress trees by the Wolf River Conservancy. The area is rapidly becoming a functioning wetland. Once fully functional this will represent the creation of 1.39 acres of wetlands within the overall project area (1 acre = 43,560 sf.). The next measure will occur in December of 2019.

### Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# acres of wetlands created	0	859/12

### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

### Activity Locations

No Activity Locations found.

### Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	



<b>Grantee Activity Number:</b>	<b>8-OV-03-4</b>
<b>Activity Title:</b>	<b>Wolf River OV - Flood Cost Reduction</b>

**Activity Category:**  
NDR - Resilience Value

**Activity Status:**  
Planned

**Project Number:**  
8 - OV

**Project Title:**  
Outcome Values - OV

**Projected Start Date:**  
12/21/2016

**Projected End Date:**  
06/15/2022

**Benefit Type:**  
( )

**Completed Activity Actual End Date:**

**National Objective:**  
NA

**Responsible Organization:**  
Shelby County Government2

Overall	Jan 1 thru Mar 31, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Upon completion of the project, this outcome value projects a minimum of \$5,000 in flood damage to the infrastructure of the Rodney Baber due to floodwaters. The measure will be made annually based on flooding in the project area. The baseline for this outcome is the the 2011 damage to Rodney Barer Park in 2011 which was \$66,000. The first annual report is in December 2017.

**Location Description:**

Wolf River Watershed between Kennedy Park on the East and Rodney Baber Park on the West.

**Activity Progress Narrative:**

Upon completion of the project, this outcome value projects a minimum of \$5,000 in flood damage to the infrastructure of the Rodney Baber Park due to floodwaters. The measure will be made annually based on flooding in the project area. The baseline for this outcome is the 2011 damage to Rodney Baber Park in 2011 which was \$66,000. The first annual report was completed in December 2017. At this time, the Wolf River Greenway Project and the activities associated with it are still in the environmental review and design stage. Therefore, no measurements on this outcome value are available for reporting for Rodney Baber Park damage. No changes to the park have taken place at this time. The next measure will occur in December of 2019.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
\$ estimated flood loss avoidance	0	66000/5000

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

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<b>Grantee Activity Number:</b>	<b>8-OV-04-1</b>
<b>Activity Title:</b>	<b>Big Creek OV - Increased Greenway Use</b>

**Activity Category:**

NDR - Social Value

**Project Number:**

8 - OV

**Projected Start Date:**

12/21/2016

**Benefit Type:**

( )

**National Objective:**

NA

**Activity Status:**

Planned

**Project Title:**

Outcome Values - OV

**Projected End Date:**

06/15/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2

Overall	Jan 1 thru Mar 31, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

This outcome value anticipates a use of the new trail system increase in the utilization of greenways and biking trails resulting from the activity. The current base line is 0 ero with no system in place and will be measured annually as the project moves to completion. The projected us of the system upon completion is an average of 50 users a day. The first measurement will occur in December 2017. The responsible entity is measurement will be the City of Millington/Millington Parks Department.

**Location Description:**

Big Creek Watershed in Millington, TN from the Naval Support Activity Base on the East along Paul Barrett Parkway to Navy Road on the West.

**Activity Progress Narrative:**

This outcome value anticipates a use of the new trail system increase through increased patronage and utilization of greenways and biking trails resulting from the activity. The current base line is 0 with no system in place and will be measured annually as the project moves to completion. The projected use of the system upon completion is an average of 50 users per day. The first measurement occurred in December 2017. The responsible entity for measurement will be the City of Millington/Millington Parks Department. In 2018, the trail system and designs for the Big Creek Project were still under environmental review and design. Therefore, the baseline in 2018 remained at 0. The next report on this outcome value will occur in December 2019.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# of users of trail system	0	0/50

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

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<b>Grantee Activity Number:</b>	<b>8-OV-04-2</b>
<b>Activity Title:</b>	<b>Big Creek OV - Increased Housing Value</b>

**Activity Category:**

NDR - Economic Value

**Project Number:**

8 - OV

**Projected Start Date:**

12/21/2016

**Benefit Type:**

( )

**National Objective:**

NA

**Activity Status:**

Planned

**Project Title:**

Outcome Values - OV

**Projected End Date:**

06/15/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2

Overall	Jan 1 thru Mar 31, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

The outcome value projects an increase in the value of building permits pulled in the Millington community of \$1,500,000 for rehabilitation and/or new construction of housing stock by the end of the project. The baseline for this value was the value and number of permits issued in Millington for 2015 which was \$606,638.10 in permit value and 62 permits issues. The Increase in value of housing stock will be measured annually. with the first measurement occurring in December 2016. The Division of Planning and Development is responsible for this measurement. The first report on this value will take place in December 2017.

**Location Description:**

Big Creek Watershed in Millington, TN from the Naval Support Activity Base on the East along Paul Barrett Parkway to Navy Road on the West. The Millington community is identified as the metric to be used for the measurement.

**Activity Progress Narrative:**

The outcome value projects an increase in the value of building permits pulled in the Millington community of \$1,500,000 for rehabilitation and/or new construction of housing stock by the end of the project. The baseline for this outcome value was the total permit dollar value and number of permits issued in Millington for 2015 which totaled \$606,638.10 in permit value and 62 permits issued. The increase in value of housing permits will be measured annually with the first measurement having occurred in December 2017. The Division of Planning and Development is responsible for this measurement. According to Shelby County Code Enforcement, there were 25 housing building permits issued for rehabilitation



and new construction in 2017 within the Millington Community. These permits totaled \$1,453,062.23. While the number of permits in 2017 was down from the baseline in 2015, the value of the permits issued more than doubled in 2017 (from \$606,618.10 in 2016 to \$1,453,062.23). The next measurement will be documented in December 2018. In 2018, Shelby County Code Enforcement showed that there were 33 housing building permits issued for rehabilitation and new construction within the Millington Community (up 8 from 2017). These permits totaled \$1,020,174.44 (down \$432,887.79 from 2017). While the number of permits in 2018 increased the value of the permits was down from 2018; however still well above the baseline in 2015. The permit values measurement will be based on permits issued after completion of the project; however, this information provides a good indicator of annual development in Millington as of the end of 2018. The next measurement will be documented in December 2019.

**Accomplishments Performance Measures**

	This Report Period Total	Cumulative Actual Total / Expected Total
\$ value of redevelopment	0	606638/15000

**Beneficiaries Performance Measures**

**No Beneficiaries Performance Measures found.**

**Activity Locations**

**No Activity Locations found.**

**Other Funding Sources Budgeted - Detail**

**No Other Match Funding Sources Found**

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	



<b>Grantee Activity Number:</b>	<b>8-OV-04-3</b>
<b>Activity Title:</b>	<b>Big Creek OV -Tree Mitigation</b>

**Activity Category:**  
NDR - Environmental Value

**Activity Status:**  
Planned

**Project Number:**  
8 - OV

**Project Title:**  
Outcome Values - OV

**Projected Start Date:**  
12/21/2016

**Projected End Date:**  
06/15/2022

**Benefit Type:**  
( )

**Completed Activity Actual End Date:**

**National Objective:**  
NA

**Responsible Organization:**  
Shelby County Government2

Overall	Jan 1 thru Mar 31, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

Tree mitigation will take place over 400 acres of land to insure that there is no loss of the tree canopy due to the overall development of the Big Creek Project. The baseline for this value is 0 in that no trees have been removed from the project area. The planting acreage will be measured annually with the first measurement occurring in December 2017. Shelby County Public Works is responsible for this measurement.

**Location Description:**

The Big Creek Watershed in Millington, TN from the Naval Support Activity Base on the East along Paul Barrett Parkway to Navy Road on the West. Tree mitigation will occur throughout the Millington community to insure that there is no loss to the overall tree canopy.

**Activity Progress Narrative:**

Tree mitigation will take place over 400 acres of land to insure there is no loss of the tree canopy due to the overall development of the Big Creek Project. The baseline for this value is 0 in that no trees have been removed from the project area. The planting acreage will be measured annually with the first measurement occurring in December 2017. Shelby County Public Works is responsible for this measurement. During 2018, no tree planting occurred. As of 2018, no trees have been lost due to NDR projects and the actual tree planting activity is being included as a part of the environmental review and design which is under way for the Big Creek Project. The next measure will occur in December of 2019.



## Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
# acres successfully reforested	0	0/400

## Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

## Activity Locations

No Activity Locations found.

## Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

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<b>Grantee Activity Number:</b>	<b>8-OV-04-4</b>
<b>Activity Title:</b>	<b>Big Creek OV - Decreased Flood Damage</b>

**Activity Category:**

NDR - Resilience Value

**Project Number:**

8 - OV

**Projected Start Date:**

12/21/2016

**Benefit Type:**

( )

**National Objective:**

NA

**Activity Status:**

Planned

**Project Title:**

Outcome Values - OV

**Projected End Date:**

06/15/2022

**Completed Activity Actual End Date:**

**Responsible Organization:**

Shelby County Government2

Overall	Jan 1 thru Mar 31, 2019	To Date
<b>Total Projected Budget from All Sources</b>	N/A	\$0.00
<b>Total Budget</b>	\$0.00	\$0.00
<b>Total Obligated</b>	\$0.00	\$0.00
<b>Total Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Funds Drawdown</b>	\$0.00	\$0.00
<b>Program Income Drawdown</b>	\$0.00	\$0.00
<b>Program Income Received</b>	\$0.00	\$0.00
<b>Total Funds Expended</b>	\$0.00	\$0.00
Shelby County Government2	\$0.00	\$0.00
<b>Most Impacted and Distressed Expended</b>	\$0.00	\$0.00
<b>Match Contributed</b>	\$0.00	\$0.00

**Activity Description:**

This outcome value estimates that upon completion of the project Millington can avoid an anticipated \$60,000,000 in flood damage costs and reduce its flood pump operation hours by 20% over the 2010 and 2011 damage. The baseline is a total of \$233 million in damages and 20 hours of flood pump operation. While this cannot truly be assessed until the project is complete and a comparable flood occurs, these metrics will be monitored annually with the first occurring in December 2017.

**Location Description:**

The Big Creek Watershed in Millington, TN from the Naval Support Activity Base on the East along Paul Barrett Parkway to Navy Road on the West. Tree evaluation will occur throughout the Millington community.

**Activity Progress Narrative:**

This outcome value estimates that upon completion of the project Millington can avoid an anticipated \$60,000,000 in flood damage costs and reduce its flood pump operation hours by 20% over the 2010 and 2011 damage. The baseline is a total of \$233 million in damages and 20 hours of flood pump operation. While this cannot truly be assessed until the project is complete and a comparable flood occurs. These metrics will be monitored annually with the first having occurred in December 2017. During 2017 Millington experienced no flooding due to disasters, which resulted in no measurement for loss due to flood damage or the operation of the flood pumps to address flooding issues in the community. During 2018, Millington experienced no flooding due to disasters. This resulted in no measurement for loss due to



flood damage or the operation of the flood pumps to address flooding issues in the community. The next measure will occur in December of 2019.

### Accomplishments Performance Measures

	This Report Period	Cumulative Actual Total / Expected
	Total	Total
\$ estimated value of flood loss	0	233000000/60

### Beneficiaries Performance Measures

No Beneficiaries Performance Measures found.

### Activity Locations

No Activity Locations found.

### Other Funding Sources Budgeted - Detail

No Other Match Funding Sources Found

Other Funding Sources	Amount
No Other Funding Sources Found	
Total Other Funding Sources	

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