

**EXECUTIVE SUMMARY**  
**FINAL MISSISSIPPI COASTAL IMPACT ASSISTANCE PLAN (REVISED)**  
**2007 - 2010**

*Plan Update 1 (Updated November 2012)*

**State of Mississippi**  
Office of the Governor



**Mississippi Department of Marine Resources**  
William W. Walker, Ph.D., Executive Director  
*And the*  
**Hancock, Harrison and Jackson County Boards of Supervisors**

The Coastal Impact Assistance Program (CIAP) was established by Section 384 of the Energy Policy Act of 2005 (Act) (Public Law 109-58) and authorizes funds to be distributed to Outer Continental Shelf (OCS) oil and gas producing states for the conservation, protection and preservation of coastal areas including wetlands. The CIAP legislation appropriated \$250 million per year for fiscal years 2007 through 2010 to be distributed among eligible producing states and their CPSs (counties). Mississippi is one of six states eligible to receive CIAP funds, and Hancock, Harrison and Jackson Counties are eligible CPSs within Mississippi.

To receive CIAP funds, the State and three counties must submit a combined CIAP Plan to the U.S. Bureau of Ocean Energy, Management Regulation and Enforcement (BOEMRE) describing how these funds will be expended. The BOEMRE must approve that Plan before disbursing any funds. Note that the CIAP Program was transferred from BOEMRE to the U.S. Fish and Wildlife Service in October 2011.

The CIAP provision of the Act lists five categories of authorized uses of CIAP funds:

1. Projects and activities for the conservation, protection, or restoration of coastal areas, including wetlands.
2. Mitigation of damage to fish, wildlife, or natural resources.
3. Planning assistance and the administrative costs of complying with CIAP.
4. Implementation of a federally approved marine, coastal, or comprehensive conservation management plan.
5. Mitigation of the impact of OCS activities through funding of onshore infrastructure projects and public service needs.

Funds received by Mississippi and Hancock, Harrison and Jackson Counties are being expended according to the requirements of the Act and the *CIAP Guidelines*. The Mississippi CIAP Plan identifies projects to be funded through sub-grants awarded by the State and counties based on the estimated allocations for fiscal years 2007 to 2010. The allocations for the state and CPSs total \$109,273,734.08 as follows: Hancock County - \$7,549,320.64, Harrison County - \$15,091,859.69, Jackson County - \$15,604,626.59 and State of Mississippi - \$71,027,927.16.

On December 8, 2005, Governor Haley Barbour designated the Mississippi Department of Marine Resources (MDMR) as the State of Mississippi's lead agency to coordinate CIAP. Over the past six years, MDMR has worked cooperatively with the three coastal counties via their Boards of Supervisors, their designated points of contact, and many other collaborators to identify goals for the Mississippi CIAP Plan and to propose and implement coastal restoration, protection, enhancement and conservation projects and infrastructure projects that will serve to improve the health of the coastal ecology and improve the quality of life for all Mississippians, particularly those living in our coastal communities. The State and counties enlisted the assistance of advisory committees, hosted public meetings and invited proposals from agencies, non-profits, educational institutions and others. All proposed projects were rated based on criteria established by the State and counties. The projects will be implemented through a series of sub-grants to partners (below) to meet the CIAP goals as established by the State and counties.

The Updated Final Plan was developed in coordination with other federal, state and local agencies as well as non-government organizations, and every effort has been made to avoid duplication with other funding sources. The CIAP program is being managed jointly by MDMR and the points of contact designated by each county Board of Supervisors.

Tier 1 projects are those proposed for funding from allocations received in fiscal years 2007 through 2010. Another set of projects, called Tier 2, have been identified by the State and CPSs for consideration in the future if any Tier 1 projects are deemed infeasible. Though Tier 2 projects must be described in the CIAP Plan, they are not proposed for funding at this time.

The following are updated lists of projects, sub-grantees and the dollar amount of each Tier 1 and Tier 2 project proposed by the State and three coastal counties. The total four-year estimated allocation and the stated CIAP goals for each entity are also listed below.

**STATE OF MISSISSIPPI TIER 1 CIAP PROJECTS (75 PROJECTS TALLING \$71,027,927.16)**

*Original CIAP Goals for the State of Mississippi/MDMR: 1) Barrier island restoration/shoreline stabilization; 2) Storm drain consolidation and sewer system upgrades to improve water quality; 3) Acquisition of ecologically significant and important natural areas; 4) Wetland and aquatic habitat improvement in the coastal zone; 5) Education on the importance of coastal natural resources.*

- MS.R.701 - Tchoutacabouffa River Park** *City of D'Iberville* \$850,000
- MS.R.703 - Preservation of Greenspace in the City of Lucedale** *City of Lucedale* \$154,000
- MS.R.705 - The Point Park Acquisition Project** *City of Pascagoula* \$552,000
- MS.R.706 - Pascagoula River Ecotourism and Education Trails** *Land Trust for the Mississippi Coastal Plain* \$410,000
- MS.R.707 - Turkey Creek Watershed Land Acquisition** *Harrison County* \$250,000
- MS.R.709 - Smart Conservation: A Strategy for Incorporating Green Infrastructure into Hurricane Recovery and Renewal** *Land Trust for the MS Coastal Plain and MDMR* \$350,000
- MS.R.710 - Moss Point Conservation Land Acquisition** *Land Trust for the MS Coastal Plain* \$551,146

**MS.R.711 - Old Fort Bayou Conservation Land Acquisition** *Land Trust for MS Coastal Plain* \$850,398

**MS.R.712 - On the Green at Lynn Meadows Discovery Center** *Lynn Meadows Discovery Center* \$1,200,000

**MS.R.714 - Wolf River Conservation Land Acquisition (Pulitzer Property)** *MDMR* \$425,000

**MS.R.716 - Coastal Wetland Impact Database Enhancement (CRMP)** *MDMR* \$400,000

**MS.R.717 - Coastal Wetlands Database Enhancement** *MDMR* \$274,500

**MS.R.718 - Aquatic Invasive Species Coordination, Assessment and Control Plan Implementation** *MDMR* \$377,757

**MS.R.719 - Sustainable Development and Smart Growth Management Initiative in the Six Coastal Counties** *MDMR/CRMP* \$400,000

**MS.R.720 - Grand Bay National Estuarine Research Reserve Facilities Enhancement** *Grand Bay NERR/MDMR* \$700,000

**MS.R.721 - Powering Renewal: Rebuilding Gulf Coast Communities with Clean Energy** *MDMR* \$300,000

**MS.R.722 - Ozone Forecasting Service for the Mississippi Gulf Coast** *MS Department of Environmental Quality* \$400,000

**MS.R.723 - Development of a Coastal Land Use Evaluation System (CLUES)** *Gulf Regional Planning Commission* \$250,000

**MS.R.725 - Mississippi Gulf Coast Waterfront Land Acquisition** *MDMR* \$11,370,239.24 (**8 PROJECTS TOTAL**)

**MS.R.726 - Infinity Project** *MSU GeoResources Institute* \$500,000

**MS.R.727 - Creation, Colonization and Succession of New Habitats: Implications for the Success of Artificial Reefs** *MDMR* \$900,000

**MS.R.728 - Natural and Anthropogenic Recovery of Coastal River Fish Populations Following Hurricane Katrina** *MS State University* \$200,000

**MS.R.729 - Restoring Fish Stocks in the Mississippi Sound through Responsible Aquaculture and Stock Enhancements, Phases 1, 2, 3 and 4** *MDMR* \$3,000,000

**MS.R.730 - State of MS Planning Assistance and Administrative Costs of Complying with CIAP** *MDMR* \$4,000,000

**MS.R.731 - Land Acquisition and Restoration Activities to Conserve and Protect the Natural Resources of an Environmentally – Significant Coastal Area** *City of Biloxi* \$2,500,000

**MS.R.732 - Documenting and Conserving the Heritage Resources of the MS Gulf Coast** *MDMR CRMP* \$900,000

**MS.R.736 - Schooner Pier Complex and Exhibits** *Maritime & Seafood Industry Museum* \$300,000

**MS.R.737 - Coastal MS Integrated Ecological Restoration Partnership** *The Nature Conservancy* \$400,000

**MS.R.738 - Impact Monitoring Program** *MDMR* \$60,000

**MS.R.739 - Real-Time Hydrological Monitoring in the MS Sound** *MDMR* \$160,000

**MS.R.740 - Deer Island Tree Planting and Master Plan Development** *MSU, Agriculture Biological Engineering Department* \$294,920

**MS.R.741 - MS Marine Debris Removal and Prevention Project** *J.L. Scott Marine Education Center/USM* \$249,990

**MS.R.742 - Monitoring Aquatic Habitats in the MS Coastal Zone: What is the State of Health of the Bay of St. Louis** *USM* \$250,000

**MS.R.743 - Gulf Coast Geospatial Center Support to the MDMR** *USM* \$249,712

**MS.R.744 - Sediment-Associated Pollutants and Water Quality in St. Louis Bay** *USM* \$250,000

**MS.R.745 - Native Plant Nursery for Restoration of MS Coastal Vegetation** *USM GCRL* \$300,000

**MS.R.746 - Acquiring Real-Time Continuous Surface Circulation Data in the MS Sound in Support of Resource Management and Environmental Quality Application** *USM* \$400,000

**MS.R.747 - New Beginnings for Marine Education** *USM GCRL* \$207,000

**MS.R.747b – New Beginnings for Marine Education – IMMS** \$7,792,800

**MS.R.748 - Native Vegetation/Plant Greenhouse and Estuary Education Model Addition to the Pascagoula River Basin Estuarine Education Center** *MS Gulf Coast Community College* \$500,000

**MS.R.749 - Striped Bass Restoration for the MS Gulf Coast** *USM GCRL* \$300,000

**MS.R.751 - Waterfront Conservation Project #3: Acquisition of Properties Adjacent to Pelican Landing**  
*Land Trust for the MS Coastal Plain* \$449,660

**MS.R.752 - The Point Park Development Project** *City of Pascagoula* \$1,000,000

**MS.R.753 - Implementation of Hancock County Greenways: Pearlington Boat Launch and Cedar Point Boat Launch** *Hancock County* \$712,400

**MS.R.754 - Implementation of Hancock County Greenways: Possum Walk Environmental and Historical Trail, Linking NASA’s Infinity to the Past** *Hancock County* \$784,700

**MS.R.755 - Ansley, Lakeshore and Heron Bay Sewer Implementation** *Hancock County* \$1,008,000

**MS.R.756 - Old Wire Road Trail Project** *Stone County* \$1,000,000

**MS.R.757 - MS Sound Seagrass Conservation Project** *The Nature Conservancy* \$100,000

**MS.R.759 - Mississippi Environmental Stewardship Program** *MDMR Seafood Technology Bureau* \$200,000

**MS.R.760 - Tracking the Sources of Fecal Pollution in MS Coastal Waters Using Library Independent, Rapid, Molecular Markers and Climatological/Geological Processes** *USM* \$300,000

**MS.R.762 - Joseph T. Jones Park Educational Boardwalk and Bike Trail** *City of Biloxi* \$2,940,000

**MS.R.763 - Long Beach Harbor Expansion, Phases 1 and 2** *Long Beach Port Commission* \$2,000,000

**MS.R.764 - Pass Christian Harbor Expansion, Phases 1 and 2** *City of Pass Christian* \$3,000,000

**MS.R.765 - Pearl River County Land Acquisition: West Hoblochitto Creek: a Wetland Conservation Park for the West Boley Creek** *Pearl River County Department of Planning* \$100,000

**MS.R.767 - Implementation of Hancock County Greenways: Continuation of Hancock County Beach Pathway** *Hancock County* \$1,859,750.92

**MS.R.768 - Ohr-O’Keefe Museum of Art MS Sound Welcome Center** *Ohr-O’Keefe Museum of Art* \$500,000

**MS.R.769 - The Crosby Arboretum Education Center** *The Crosby Arboretum Foundation* \$250,000

**MS.R.770 - Urban Forestry Education on Storm Recovery and Reforestation** *MS Urban Forest Council* \$50,000

**MS.R.771 - MS Gulf Region Wastewater Plan Complementary Project Implementation** *MDMR* \$6,233,691 (6 PROJECTS TOTAL)

**MS.R.773 - Beach Restoration - Stormwater Outfalls Demonstration Project** *Harrison County* \$300,000

**MS.R.794 – Inflow and Infiltration of Stormwater into Existing Sanitary Sewer System – Phase I** *City of Wiggins* \$100,000

**MS.R.798 - A Bottlenose Dolphin Surveillance Team for the Mississippi Sound** *USM* \$993,816

**MS.R.802 - Evaluation of Trends and Possible Causes of Marine Animal Strandings, including the Rescue and Rehabilitation of Live Stranded Marine Mammals and Turtles, Phases 1,2 and 3** *Institute of for Marine Mammal Studies* \$3,366,247

**STATE OF MISSISSIPPI TIER 2 CIAP PROJECTS (24 PROJECTS TOTALLING \$18,157,730)**

- MS.R.704 – Waterfront Conservation Project #1: Land Acquisition of Properties Adjacent to Downtown Riverfront Park** *City of Moss Point* \$500,000
- MS.R.713 – Acquisition of Cat Island, Phases 1, 2 and 3** *The Conservation Fund* \$1,000,000
- MS.R.775 - Pearl River County Land Acquisition on West Hobolochitto Creek: A Wetland Conservation Park for the West Boley Creek** *Pearl River County Department of Planning and Development* \$300,000
- MS.R.776 - Back Bay Biloxi Reef Habitat Restoration Project** *The Nature Conservancy* \$247,680
- MS.R.777 - Long Beach Wetland Restoration** *City of Long Beach* \$122,900
- MS.R.778 - Pascagoula River/Brewton Camp Acquisition Project** *The Nature Conservancy* \$1,073,450
- MS.R.779 - Development of GIS Database for Evaluation of Land Loss and Habitat Change in the Mississippi Coastal Zone** *MDMR Coastal Preserves Program* \$227,550
- MS.R.780 - Mississippi Gulf Coast Manmade Marshes** *Gulf Regional Planning Commission* \$2,000,000
- MS.R.781 - Coastal Wetlands to Replace Mississippi’s Coastal Storm water Runoff Concerns: Enhancing Flow, Sediment and Nutrient Retention** *MSU* \$802,465
- MS.R.782 - Assessing Natural and Anthropogenic Impacts on Birds in Coastal Mississippi** *USM* \$603,636
- MS.R.783 - Turkey Creek Wetlands and Flood Plain Acquisition** *City of Gulfport* \$1,750,000
- MS.R.784 - Enhancing Riparian Forests and Aquatic Diversity through Educational Outreach and Forest Demonstrations in Coastal Mississippi** *USM* \$311,640
- MS.R.785 - Barrier Islands Functional Assessment Using Multi-trophic Indicators** *USM GCRL* \$547,753
- MS.R.786 - Front Street Acquisition** *City of Pascagoula* \$750,000
- MS.R.787 - Popp’s Ferry Causeway Park** *City of Biloxi* \$300,000
- MS.R.789 - Mississippi Sound and Barrier Island System Sediment Classification** *USM* \$505,925
- MS.R.790 - Lightning Point Acquisition Project** *City of Pascagoula* \$500,000
- MS.R.791 - Terrestrial Vegetation of the Mississippi Barrier Islands and Its Recovery from Hurricane Katrina** *USM GCRL* \$875,624
- MS.R.792 - Evaluating Shallow Ground Water Flow to Mississippi Sound as a Potential Vector for Coastal Eutrophication** *USM GCRL* \$281,855
- MS.R.793 - Development of a Decision-Support Tool for the Improvement of Shoreline Habitats Altered by Bulkheads** *MDMR* \$1,448,983
- MS.R.794 - Inflow and Infiltration of Storm Water into Existing Sanitary Sewer System, Phase II** *City of Wiggins* \$1,333,000
- MS.R.797 - Habitat and Movement of Juvenile Gulf Sturgeon, *Acipenser Oxyrinchus Desotoi*, in Coastal Mississippi with an Emphasis on the Pascagoula River and Its Associated Estuary** *MDMR* \$1,706,769
- MS.R.799 - Prescribed Fire Education in the Coastal Plains** *MS Forestry Commission* \$175,000
- MS.R.801 - Coastal School Bus Retrofit** *MS Department of Environmental Quality* \$793,500

**HANCOCK COUNTY TIER 1 CIAP PROJECTS (6 PROJECTS TOTALLING \$7,549,320.64)**

*CIAP Goals for Hancock County: 1) To promote clean water; 2) To promote public access; 3) To assist with rebuilding communities damaged by Hurricane Katrina.*

**MS.23.701 - Pearlington, Ansley, Lakeshore, Heron Bay and Spring Wood Park Sewer Implementation, Phase 1, 2, 3 and 4 Hancock County \$4,984,344.**

**MS.23.703 - Implementation of Hancock County Greenways: Parks and Trails in Hancock County Hancock County \$1,066,975.31**

**MS.23.704 - Hancock County CIAP Project Administration Hancock County \$700,000**

**MS.23.705 - Empowering the Future Generations of Ecological Stewards in Hancock County Hancock County \$150,000**

**MS.23.706 - Recovery from Katrina: A Study of Pre and Post Katrina Water Quality on Local Streams, Wetland and Beaches Hancock County \$150,000**

**MS.23.708 - Tracking Recovery after Katrina and Benchmarking Environmental Sustainability: Hancock County Geographic Information System Hancock County \$498,000**

**HANCOCK COUNTY TIER 2 CIAP PROJECTS (1 PROJECT TOTALLING \$300,000)**

**MS.23.709 - Model Bio-Retention Parking Facility in Downtown Bay St. Louis Hancock County \$300,000**

**HARRISON COUNTY TIER 1 CIAP PROJECTS (10 PROJECTS TOTALLING \$15,091,859.69)**

*CIAP Goals for Harrison County: 1) To improve water quality and reduce impacts of point source and non-point source pollution; 2) To restore, protect and enhance coastal habitat including wetlands to reduce loss of sensitive areas; 3) To improve natural scenic qualities of the coastal environment and restore and enhance fisheries habitat.*

**MS.24.702 - Blakeslee Preserve Habitat Restoration Harrison County \$104,660**

**MS.24.703 - Tchoutabouffa River Greenway Harrison County \$500,008.96**

**MS.24.704 - Biloxi River Greenway Harrison County \$100,000**

**MS.24.705 - Harrison County Watershed Assessment and Restoration Projects Harrison County \$500,000**

**MS.24.706 - Oyster Bayou Restoration Harrison County \$100,000**

**MS.24.707 - Canal Road Sewer Collection System Harrison County \$1,591,100**

**MS.24.708 - Pineville Community Collection System Harrison County \$4,645,661.77**

**MS.24.709 - Palmer Creek Sewer System Harrison County \$2,645,760**

**MS.24.710 - Tuxachainie Creek Watershed Sewer Collection System Harrison County \$4,650,008.96**

**MS.24.711 - Harrison County Project Administration Harrison County \$254,660**

**HARRISON COUNTY TIER 2 CIAP PROJECTS (7 PROJECTS TOTALLING \$9,450,000)**

**MS.24.712 - Biloxi River Greenway Harrison County \$750,000**

**MS.24.713 - Blakeslee Preserve Habitat Restoration Harrison County \$200,000**

**MS.24.714 - Palmer Creek Sewer System Harrison County \$1,000,000**

**MS.24.715 - Tuxachainie Creek Watershed Sewer Collection System Harrison County \$500,000**

- MS.24.716 - Sand Beach Improvements** *Harrison County* \$2,500,000
- MS.24.717 - Nearshore Artificial Reefs** *Harrison County* \$2,500,000
- MS.24.718 - Turkey Creek Land Acquisition** *Harrison County* \$2,000,000

**JACKSON COUNTY TIER 1 CIAP PROJECTS (14 PROJECTS TOTALLING \$15,604,626.59)**

*CIAP Goals for Jackson County: 1) To promote environmental education; 2) To acquire land for restoration; 3) Conservation to prevent future property loss due to flooding; 4) To provide public access to local areas for environmental appreciation and education; 5) Sanitary sewer review, repair and renovations for environmental protection.*

- MS.30.701 – City of Gautier Coastal Land Conservation in Area of Hickory Hills and Bayou Castelle** *City of Gautier* \$777,000
- MS.30.702 - Audubon MS Coastal Impact Education and Engagement: Promoting Conservation Ethics within the Pascagoula River Basin** *National Audubon Society, MS Chapter* \$389,000
- MS.30.703 - Pascagoula Sanitary Sewer Evaluation Project** *City of Pascagoula* \$530,000
- MS.30.704 - Moss Point Waterfront Land Acquisition** *City of Moss Point* \$443,795
- MS.30.705 - Ocean Springs Land Acquisition and Clearing for the Protection of Stormwater Outfalls** *City of Ocean Springs* \$750,000
- MS.30.706 - Harbor Stormwater Management and Wetlands Restoration** *City of Ocean Springs* \$1,100,000
- MS.30.707 - Delmas Avenue Walkway and Park Development** *City of Pascagoula* \$150,000
- MS.30.708 - Magnolia Avenue Birding Pier** *City of Pascagoula* \$300,000
- MS.30.712 - Moss Point Sanitary Sewer System Repair/Rehabilitation** *City of Moss Point* \$2,955,961.59
- MS.30.713 - Ocean Beach Estates Wastewater Collection System** *Jackson County Utility Authority* \$4,533,685
- MS.30.715 - Acquisition and Restoration of Flood-Prone Properties for Greenspace** *City of Ocean Springs* \$400,000
- MS.30.716 - Restoration of Lake Mars Waterfront Project** *Jackson County* \$500,000
- MS.30.717 - Incident Response System** *West Jackson County Utility District* \$1,497,000
- MS.30.719 - Jackson County Planning Assistance and Administrative Costs of Complying with CIAP** *Jackson County* \$1,278,185 (*Note: CIAP administration costs for Jackson County are not expected to use the full amount. Surplus funds will be applied to approved Tier 1 and/or Tier 2 projects*)

**JACKSON COUNTY TIER 2 CIAP PROJECTS (4 PROJECTS TOTALLING \$13,672,500)**

- MS.30.721 - Rehabilitation of Gravity Sewer Collection System** *West Jackson County Utility District* \$2,832,500
- MS.30.726 - Acquisition of Right-of-Way between the East and West Portions of Hellmers Lane** *City of Ocean Springs* \$200,000
- MS.30.727 - Decentralized Wastewater Systems** *Jackson County Utility Authority* \$8,140,000
- MS.30.729 - Jackson County Restoration/Creation and Maintenance of Nearshore Tidal Marsh Island** *Jackson County* \$2,500,000

The table on the following page lists 16 general categories/activities under which all state and county Tier 1 and Tier 2 CIAP projects fall and the total number of projects by state and CPS by category. For more information on CIAP, contact:



**Mississippi Department of Marine Resources**

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*<http://www.dmr.state.ms.us/ciap>*

**Mississippi State and County CIAP Projects by Authorized Use and Category – Revised November 2012**

	AU1	Air Quality	Debris Monitoring/ Removal/Pollution Abatement	Conservation, Education and Demonstration	Habitat Protection, Restoration and Enhancement for Wildlife, Fisheries and Marine Species – Conservation	Smart Growth - Conservation	Information Collection, Management and Application (includes GIS Monitoring and Modeling) – Conservation	Invasive Species Control/Eradication – Conservation	Land Acquisition – Conservation	Watershed Protection/Water Quality	Public Access	Species Protection	AU2	Habitat Protection, Restoration and Enhancement for Wildlife, Fisheries and Marine Species – Mitigation	Information Collection, Management and Application (includes GIS Monitoring and Modeling) – Mitigation	Utilities for Water Quality Improvement	AU3	Administration	AU4	Education and Research - Federal Plan	TOTALS
<b>STATE TIER 1</b>	63	1	2	12	6	1	11	2	18	0	8	2	10	1	1	8	1	1	1	1	<b>75</b>
<b>STATE TIER 2</b>	20	0	0	2	5	0	7	0	5	0	1	0	4	2	1	1	0	0	0	0	<b>24</b>
<b>HANCOCK TIER 1</b>	4	0	0	2	0	0	1	0	0	0	1	0	1	0	0	1	1	1	0	0	<b>6</b>
<b>HANCOCK TIER 2</b>	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	<b>1</b>
<b>HARRISON TIER 1</b>	5	0	0	0	2	0	0	0	2	1	0	0	4	0	0	4	1	1	0	0	<b>10</b>
<b>HARRISON TIER 2</b>	4	0	0	0	2	0	0	0	2	0	0	0	3	1	0	2	0	0	0	0	<b>7</b>
<b>JACKSON TIER 1</b>	9	0	0	3	1	0	0	0	4	1	0	0	4	0	0	4	1	1	0	0	<b>14</b>
<b>JACKSON TIER 2</b>	2	0	0	0	0	0	1	0	1	0	0	0	2	0	0	2	0	0	0	0	<b>4</b>
<b>TOTAL TIER 1</b>	<b>81</b>	1	2	17	9	1	12	2	24	2	9	2	<b>19</b>	1	1	17	<b>4</b>	4	<b>1</b>	1	<b>105</b>
<b>TOTAL TIER 2</b>	<b>27</b>	0	0	2	7	0	8	0	8	1	1	0	<b>9</b>	3	1	5	<b>0</b>	0	<b>0</b>	0	<b>36</b>
<b>TOTAL ALL</b>	<b>108</b>	1	2	19	16	1	20	2	32	3	10	2	<b>28</b>	4	2	22	<b>4</b>	4	<b>1</b>	1	<b>159</b>