



Waterways and Structures Scavenger Hunt
for use with
Atchafalaya National Heritage Area (ANHA) Curriculum
Volume I Waterways and Structures

Name _____ Date _____

The Atchafalaya National Heritage Area (AHNA) contains some of this nation's most beautiful and mysterious landscape. It houses bayous, lakes, marshes, and swamps along with countless wildlife and tree specimens, and over 270 species of birds. But life in the AHNA is much more. The bounty of the water, the music, the people, all contribute to making AHNA a country within a country.

Use information from the **Waterways & Structures Education Resource** to complete the scavenger hunt below. (Download the booklet at <http://www.atchafalaya.org/ckfinder/userfiles/files/Curr1Waterways.pdf>.)

FILL IN THE BLANK (Pages 4, 6, 7, 8, 10, 12, 30, 31, 55)

There is only one way to become a National Heritage Area, and that is to be recognized by the _____ . Pg 4

Louisiana is fortunate to have two National Heritage Areas; the Atchafalaya National Heritage Area and the _____ National Heritage Area. Pg 4

Atchafalaya is an American Indian word meaning _____ . Pg 4

The _____ is responsible for overseeing the development of a federal management plan and coordinating the implementation of its recommendations. Pg 4

The Atchafalaya National Heritage Area includes _____ parishes in Louisiana. Pg 4

In 1802, the Atchafalaya River and Basin were maintained by _____ . Pg 6

By _____, (year) the entrance to the Atchafalaya River was blocked by a logjam. Pg 6

The Bonnet Carre Spillway was completed in _____, while the Morganza Spillway was completed in _____. Pg 7

The Atchafalaya River's source is near _____, Louisiana. Pg 8

The Mississippi River has been a route for cargo ships for more than 200 years. The river is now one of the biggest and busiest commercial waterways in the world. The river carries approximately ____ million tons of cargo each year. Pg 10

The Atchafalaya Basin is distinctive and varied in its habitat having _____ acres of cypress swamps and _____ acres of aquatic habitat. pg 12

There have been _____ great Mississippi River floods. Pg 30

The most destructive river flood in the history of the United States was _____
_____. Pg 30

The Mississippi Flood of 1927 caused over \$400 million in damages and killed _____ people in seven states. Pg 30

The Mississippi River floods of 2011 were caused by record levels of _____, combined with springtime _____. Pg 31

The landscape of the Atchafalaya is made up of bayous, vast marshes, and America's largest river _____. Pg 55

The food trinity includes celery, _____, and bell peppers. Pg 55

The native music is a melding of cultures to make Cajun rhythm, _____, Rock 'n Roll, Rock-A-Billy, Gospel, and Country. Pg 55

Name the Waterway or Structure

Choose from the list below to match the statement with the waterway or structure that it is describing. (Pages 8-28)

Word Bank

Backwater Areas	<i>Atchafalaya River</i>	Bonnet Carre Spillway	<i>Atchafalaya Basin/Swamp</i>
Mississippi Delta	United States	Mississippi River Drainage Basin / Lower Mississippi River Valley	Army Corps of Engineers
Mississippi River Commission	Levee Systems	Mississippi River & Tributaries Project	Atchafalaya Basin Floodway
Gulf Intracoastal Waterway	Mississippi River	Morganza Spillway	Old River Control Structure

_____ A distributary of the Mississippi River and Red River in south central Louisiana, it also provides a significant industrial shipping channel for the state. Pg 8

_____ One of the largest rivers in North America, this river's basin covers 41% of the United States and 1/8 of North America. Pg 10

_____ The portion of the Intracoastal Waterway located along the Gulf Coast of the United States. Pg 12

_____ Consists of three floodways (Morganza, West Atchafalaya, and Atchafalaya Basin) and is maintained by the United States Army Corp of Engineers. Pg 12

_____ Includes a total of 308 counties and parishes in Illinois, Kentucky, Missouri, and Tennessee as well as the entire states of Arkansas, Louisiana, and Mississippi. Pg 13

_____ Recognized as the third largest water shed in the World, just behind the Amazon and Congo River Basins. Pg 14

_____ Their mission is to provide vital public engineering services in peace and war to strengthen the nation's security, energize the economy, and reduce risks from disasters. Pg 16

_____ Develops plans to improve the condition of the Mississippi River, foster navigation, promote commerce, and prevent destructive floods. Pg 17

_____ One of the major elements of this project is to improve and stabilize channels creating an efficient and reliable navigation capacity of the river, protecting the levee system. Pg 18

_____ Close to the length of the Great Wall in China, these structures are designed to protect the alluvial valley against flood by confining the flow of water. Pg 19

_____ The result of gaps left in the main-stem Mississippi River levee system at the mouths of major tributaries that empty into the river. Pg 20

_____ A flood control structure that helps to preserve the habitat of the nation's largest and oldest river-basin swamp. Pg 22

_____ Built in response to the Great Mississippi Flood of 1927, this flood control operation allows floodwaters from the Mississippi River to flow into Lake Pontchartrain. Pg 24

_____ This flood control operation is only allowed to be opened during flood emergencies, which has occurred twice since being built. Pg 26

_____ Located in Concordia Parish, this flood control structure has several components that assist in controlling the Mississippi River water flow including Low Sill Control Structure, Overbank Control Structure, Sidney A. Murray, Jr. Hydroelectric Plant, and the Auxiliary Structure. Pg 28

COMPLETE THE TABLE (Page 44)

Use the list below to complete the table by matching the refuge or WMA (Wildlife Management Area) to the correct parish where it is located.

Assumption Avoyelles Concordia Iberia Pointe Coupee
St. Landry St. Martin Terrebonne

REFUGE or WMA	PARISH
Pointe-aux-Chenes WMA	
Elm Hall	
Bayou Cocodrie National Wildlife Refuge	
Atchafalaya National Wildlife Refuge	
Lake Ophelia National Wildlife Refuge	
Indian Bayou	
Marsh Island Wildlife Refuge	
Thistlethwaite WMA	

TRUE OR FALSE (Page 64)

	TRUE	FALSE
A pirogue is a small boat that has been dugout.		
A barge is a roomy, usually flat-bottomed, boat used for transporting people on inland waterways and usually propelled by towing.		
A row boat is a small boat designed to be lined up in rows and towed down river carrying goods.		
A steamboat is driven only by steam power and is a shallow-draft vessel used on inland waterways.		
A towboat is a powerful, shallow-draft boat with a broad bow, intended to push barges on rivers and canals.		
A cargo ship is designed to only transport cars across the water.		

Project

By creating tri-fold exhibits about what they learned during their investigation of the Atchafalaya Basin Waterways and Structures Education Resource, the students will demonstrate their understanding of the material. This can be an individual student or small group activity.

1. Have the students look at the information they have covered during their studies. Let them particularly look at their notes from the video overview of the region. Before beginning they should decide what the theme is and plan what will be in each of the three panels.
2. Choose charts, artifacts, maps, graphs, photos, 3D objects which give clarity to their work.
3. Pick a catchy title for the board. Make sure that the theme and major idea(s) are obvious. If they have too much information for the board, a handout can be created.
4. Design the board. Use colored backgrounds to highlight materials. Contrasting fabrics work well too.
Use a variety of media, markers, crayons, poster paint, etc. to get the point across.
5. Put display together.

Things to Consider in Grading Display

1. Is the theme clearly given?
2. Do the display materials support the theme?
3. Is the display well organized and focus on supporting the theme?
4. Is the display pleasing to the eye? Does the use of color, design arrangement, and signage deliver the message?
5. If it was a group project, did all group members contribute?