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<sup>\*</sup>The research was supported in part by NASA EPSCOR and Louisiana Board of Regents Support Fund

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Blue Cliff College - Alexandria

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**Central Louisiana Technical Community College** 

**Centenary College of Louisiana** 

Delta College of Arts & Technology, Inc.

Franciscan Missionaries of Our Lady University

**Herzing University - New Orleans** 

**Louisiana Delta Community College** 

Louisiana State University of Alexandria

**Louisiana State University Health Sciences Center** 

**New Orleans Louisiana State University Eunice** 

**Louisiana State University Health Shreveport** 

**Louisiana Christian University** 

**Liew Family International Student Center** 

McCann School of Business & Technology

**Remington College Shreveport Campus** 

**Remington College Lafayette Campus** 

**Remington College Mobile Campus** 

Saint Joseph Seminary College

# South Louisiana Community College - Lafayette Ca SOWELA Technical Community College University of Holy Cross

\*The research was supported in part by NASA EPSCOR and Louisiana Board of Regents Support Fund

### 4. Glossary of environmental justice terminology Justice Terms

### **Environmental Justice**

*EPA:* The fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income, with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies. This goal will be achieved when everyone enjoys: the same degree of protection from environmental and health hazards, and equal access to the decision-making process to have a healthy environment in which to live, learn, and work.

White House: For the Biden-Harris Administration, environmental justice is a whole-of-government commitment that requires early, meaningful, and sustained partnership with communities and dedicated leadership in Federal agencies.

#### **Climate Justice**

*EPA:* A movement, building on more than 20 years of commitment to Environmental Justice, to protect disadvantaged communities disproportionately affected by climate change.

White House: To help identify disadvantaged communities to ensure that 40 percent of the overall benefits of Federal climate, clean energy, and other key programs are reaching disadvantaged communities, as identified by the Climate and Economic Justice Screening Tool.

#### **Economic Justice**

EPA: \*

White House: President Biden is renewing the federal government s commitment to making the American Dream real for families across the nation by taking bold and ambitious steps to build a more equitable economy. To meet this mandate, agencies are advancing equity for workers and jobseekers who face barriers and discrimination, strengthening social safety net programs that provide economic security, and supporting wealth building by growing opportunities for businesses in underserved communities.

#### **Racial Justice**

EPA: \*\*

White House: It is therefore the policy of the Biden Administration that the Federal Government should pursue a comprehensive approach to advancing equity for all, including people of color and others who have been historically underserved, marginalized, and adversely affected by persistent poverty and inequality.

\*\*The research was supported in part by NASA EPSCOR and Louisiana Board of Regents Support Fund



### 5. Map (link) to LEAN project map of EJ communities in LA

Louisiana Environmental Action Network (LEAN) is a community based not-for-profit organization to resolve the unique environmental issues in Louisiana through education, empowerment, advocacy, and support. LEAN is an excellent Open Science source that provides the necessary tools and services to individuals and communities facing environmental problems. The highlight project called "Community Atlas" aims to explore Louisiana's current and past environmental challenges. ON this website, there are collections of news articles, videos, photographs, oral histories, public comments, legal actions, and other media. The Louisiana's history represents the struggles of the environmental justice movement in Louisiana and United States.



Source: https://leanweb.org/community-atlas

# 6. Other maps of environmental disparities in LA

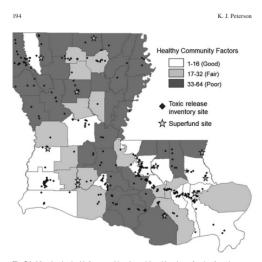
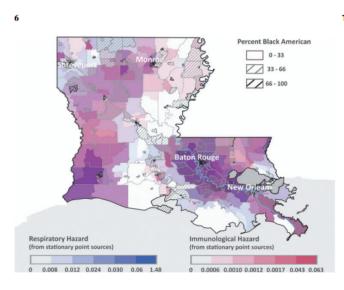


Fig. 7.1 Map showing health factors rankings by parish and locations of toxic release inventory and superfund sites in Louisiana. The ranks are based on four types of measures: health behaviors, clinical care, and social and economic and physical environment factors. (Data retrieved from County Health Rankings & Roadmaps and the Environmental Protection Agency (EPA))

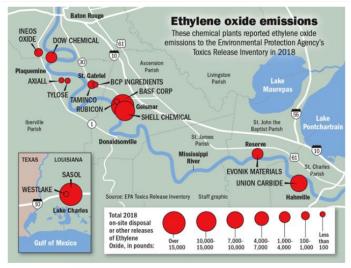
https://www.researchgate.net/figure/Map-showing-health-factors-rankings-by-parish-and-locations-of-toxic-release-inventory fig1 337225536



#### TERRELL AND JAMES

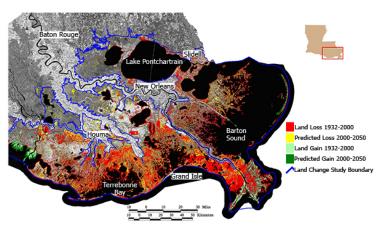
FIG. 1. RH, IH, and percentage of Black American residents by census tract. Hazards are from the most recent (2014) National Air Toxics Assessment and reflect stationary point sources of pollution only (i.e., excluding vehicles and other mobile or nonpoint sources). Hazards are broken down by quantile. IH, immunological hazard; RH, respiratory hazard.

https://www.liebertpub.com/doi/epub/10.1089/env.2020.0021



Emissions of ethylene oxide from major chemical plants in Louisiana.

#### https://www.nola.com/news/environment/article 852d98d0-3d81-11ec-a61f-0bf8e82339a8.html



Map showing wetland loss in Louisiana. Modified from: LaCoast, U.S. Geologic Society

A combination of natural and human activities cause land loss. Natural causes include hurricanes, saltwater intrusion, subsidence, wave erosion and sea level rise, but human activities are most responsible for accelerated coastal land loss.

https://www2.southeastern.edu/orgs/oilspill/wetlands.html

# 7. Louisiana Local and State data sources (Courtesy of Tulane Libraries)

Howard-Tilton Memorial Libraries <a href="https://library.tulane.edu/html">https://library.tulane.edu/html</a>

Rudolph Matas Library of the Health Sciences <a href="https://library.tulane.edu/matas">https://library.tulane.edu/matas</a>

Louisiana Department of Environmental Quality

https://www.deq.louisiana.gov/page/tlc-air-monitoring

Air Now

https://www.airnow.gov/

EPA Consumer Confidence Reports (CCR)

https://ordspub.epa.gov/ords/safewater/f?p=136:102::::::

Louisiana Healthy Communities Coalition

http://healthylouisiana.org/

Louisiana Department of Health

https://ldh.la.gov/

Climate and Economic Justice Screening Tool

https://screeningtool.geoplatform.gov/en/#3/33.47/-97.5

#### 8. EJ searchable literature database-based on OSO-LoGIC

#### **Global Health:**

https://ovidsp.dc2.ovid.com/ovid-

 $\frac{b/ovidweb.cgi?QS2=434f4e1a73d37e8cd9587e31747c59e325a3fe5b1994993b3af97a9b48f5d}{2a1dc8e430d40b3da25dc118026d1b38b5e12de7819110f07ed03c3dfdb8511fc2b931a6fcd6c6}\\ ca92e2040f0128cd9a5fa32a3e4976bef83c108176123f4dfaa48e895107b6afd952852d280018c}\\ 0c0434a034e43449b2dd5ff229902420f0a8781e78285b80b742073501a93722887a65fb5e8fc2}\\ d148d48c20ddfecfad0d8178c414c91a33c9045f9b0a9b606cc6cacb141b4781c6a89cdc34bb92}\\ \underline{5e1e013afa09c5caff5bec4dd955901d3c07cec1de0407c48f99fb9576cfaf0bc2fc0654fb522c1d5}\\ 019b46c85b36bedc39f3ab1fc4ade955bdbe786b656e9d190692293c43ad10dc5d8cca1bdd6db}\\ 3648fd893826deb8cd9c4e1bee3357be3ae50a4248f373d09dcccbf8bff7a072b0bf13a2b780}$ 

#### PubMed:

https://pubmed.ncbi.nlm.nih.gov/?myncbishare=tulanelib&otool=tulanelib

#### **EBSCO:**

https://search.ebscohost.com/WebAuth/Community.aspx?custid=s8978822&groupid=main&ref =https%3a%2f%2flibrary.tulane.edu%2f&shibtoken=A2VQwHhv55eGSBqpeVfaeA8gf7-qEqnxiwpIBTPDyyovd5YdKLD4SUUOQ2o7OhacCkE3fkWmFfK0OErU5MPniheZ9H6swn1yh\_CZ4vCHIEzl-VjsIUFxQjBgFg\_shjI6d7PnTyJ8btlafkvY\_fQLPq9lza-IC84FwqpOYUBR-x6nKinKVvi5RUxZr4H9jqV2Ez6LxRJCHWE1LbGIIPzTJP8NvmRK5ghH3nnCjk-DMPqIjfz0766utsIAJseLRYEqNrnNm dCEQjq6pZ9ZBs2Xh7-

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 $5 EDIJ86 AVnUumJStFHvGs\_4V7jJXPFqYiNO2zfQQlsWVLd5woDzK0qYTw1OclY17pY\_6Gw-442hGgU&lsAdminMobile=N\&encid=22D731163C7635873746355632253C473583390377C376C377C376C373C376C370C331\&selectServicesToken=A2U7bZajh87tLmllfmhPsq6uGBluQKnxiwplBTPDyyqfGF-$ 

mk8iydll6NMcoTq9fMum67guziX9qgmtID7hh7bcyxhrULexJKu9Q8m42wzBwB5eHcvCVagcuHddmXVVle4OxCr\_UQbhsA3YTF3HtPtOG8kYtXXLbrobRkr1UWo8ooHjbLcjIC-jJtMlMwm991BYxRlipZZ6dMbqPV8lhs5XspS1lL6Y5Ynw5ubKfBXjAbiO-HFehsK0oOwzV6C\_izaS0hzRwl9\_EcZ\_Cj\_jAwGHs8\_Wrrz4sTyuR

#### **Pro Quest:**

https://www.proguest.com/advanced?accountid=14437&forcedol=true&forcedol=true

# Web of Science:

https://www.webofscience.com/wos/woscc/basic-search

# 9. List of Environmental Justice organizations in Louisiana

#### Name

#### **Contact info**

### Type of work being done

#### 350 New Orleans

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Global Climate Work

### **A Community Voice**

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Community Advocacy

# **Advocates for Environmental Human Rights**

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http://www.ehumanrights.org/ourwork.html

**Human Rights** 

#### Bridge the Gulf bridge

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Equity, EJ, Climate

### **Center for Constitutional Rights**

<sup>\*\*</sup>The research was supported in part by NASA EPSCOR and Louisiana Board of Regents Support Fund

https://ccrjustice.org/

666 Broad Way 7th Floor, NYC, New York, 10012

**Constitutional Rights** 

### **Climate Reality**

https://www.climaterealityproject.org/

555 11th Street NW, Suite 601, Washington DC 20004

Climate Change

#### **Coalition to Restore Coastal Louisiana**

coalition@crcl.org

https://www.crcl.org/70802

3801 Canal St. Suite 400, New Orleans LA 70119

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<sup>\*\*</sup>The research was supported in part by NASA EPSCOR and Louisiana Board of Regents Support Fund

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https://www.dscej.org/70127

9801 Lake Forest Blvd, New Orleans, LA 70127

**Environmental Justice** 

#### **Earth Justice**

Corinne Van Dalen (cvandalen@earthjustice.org)

Cyndhia Ramatchandirane (cramatch@earthjustice.org)

https://earthjustice.org/about? gclid=Cj0KCQjwkOqZBhDNARIsAACsbfJH4sScKbl17DZhQGIMqYH67YPHy3 Mjb82t-brZPhzRLd2NHCUMAGQaAgHHEALw\_wcB

50 California St., Ste. 500, San Francisco, CA 94111

#### Foundation for Louisiana

225-326-7016

https://www.foundationforlouisiana.org/70116

2022 St. Bernard Ave, Suite 122b, New Orleans, LA 70116

Criminal Justice, Justice Reformer, Gender & Race Justice

#### **Greater New Orleans Interfaith Climate Coalition**

https://gnoicc.org/

<sup>\*\*</sup>The research was supported in part by NASA EPSCOR and Louisiana Board of Regents Support Fund

#### **Green Army**

General Russel Honore (russelhonore@gmail.com)

Jacques Morial (jacquesmorial@gmail.com)

Joel Gheesling (jgheesling@kepplerspeakers.com)

relief efforts

703.516.4818

#### **Gulf Coast Environmental and Health Coalition**

https://gcehc.webs.com/

Environmental advocacy

#### **Gulf Coast Joint Venture**

barry wilson@fws.gov

337-262-7015

www.gcjv.org

700 Cajundome Blvd, Lafayette, LA 70506

Conservation

#### **Healthy Gulf**

cyn@healthygulf.org

Naomi Yoder (naomi@healthygulf.org)

Michael Esealuka (michaelesealuka@healthygulf.org)

5045251528 #202

www.healthygulf.org/70112

climate, conservation, water

<sup>\*\*</sup>The research was supported in part by NASA EPSCOR and Louisiana Board of Regents Support Fund

#### **Inclusive Louisiana**

Gail Leboeuf

(gleboeuf27@gmail.com)

https://inclusivelouisiana.org/

environmental justice, industrial

pollution

#### Louisiana Bucket Brigade

info@labucketbrigade.org

504-484-3433

https://labucketbrigade.org/70119

Anne Rolfes (anne@labucketbrigade.org)

Shreyas Vasudevan

(shreyas@labucketbrigade.org)

#### **Luisiana Environmental Action Network**

(Cancer Alley) Marylee Orr, Executive Director

(marylee@leanweb.org) 225-928-1315

225-922-9247

https://leanweb.org/70896

P.O. Box 66323, Baton Rouge, LA 70896

Environmental Justice and community relations

#### Lowlander

krajeskipeterson@msn.com

https://www.lowlandercenter.org/71449

51 Point Dr., Many, LA 71449

ecological and environmental conservation

#### **Moving Forward Gulf Coast**

info@movingforwardgc.org

<sup>\*\*</sup>The research was supported in part by NASA EPSCOR and Louisiana Board of Regents Support Fund

http://katrinareader.org/moving-forward-gulf-coast

**Gulf Coast restoration** 

### **NAACP Gulf Coast Advocacy Center**

225-334-9909

https://naacp.org/issues/advocacy-litigation70806

3313 Government St, Baton Rouge, LA 70806

Advocacy

### **Pontchartrain Conservancy**

info@scienceforourcoast.org

504-836-2215

https://scienceforourcoast.org/70124

P.O. Box 6965, Metairie, LA 70009

Conservation

#### **Public Lab**

staff@publiclab.org

504-358-0647

www.publiclab.org/70117

3014 Dauphine St, Suite 100 PMB 93499, New Orleans, LA 70117

**Environmental Justice** 

#### RESTORE

Michael Tritico

michaeltritico@yahoo.com

<sup>\*\*</sup>The research was supported in part by NASA EPSCOR and Louisiana Board of Regents Support Fund

#### RISE St. James

Sharon Lavigne (sharonclavigne@gmail.com)

https://risestjames.org/

2150 Allston Way, Suite 460, Berkeley, CA 94704

**Environmental Justice** 

#### Sierra Club

Darryl Malek-Wiley

darryl.malek-wiley@sierraclub.org

https://www.sierraclub.org/about-sierra-club

2101 Webster St Suite 1300, Oakland, CA 94612

Environmental justice and protection

#### **Southwings**

5500 Prytania Street #532, New Orleans, LA 70115

Conservation

### The Descendants Project/Stop the Wallace Grain Elevator

Jo Banner (jo@thedescendantsproject.org)

Preservation

#### **Together Louisiana**

https://www.togetherla.org/

2721 S. Broad St., New Orleans, LA 70125

Community engagement, development, and leadership

<sup>\*\*</sup>The research was supported in part by NASA EPSCOR and Louisiana Board of Regents Support Fund

#### **Tulane Environmental Law Clinic**

Dr. Kimberly Terrell

https://law.tulane.edu/clinics/environmental

John Giffen Weinmann Hall,

6329 Freret St, New Orleans, LA 70118

#### **VAYLA**

Ellen Lu (ellen@vayla-no.org)

Zachary Lang (zachary@vayla-no.org)

Kim Dunn, Technical Training Director,

kimd@dscej.org) 13235 Chef Menteur Hwy., Suite

A, New Orleans, LA 70129 Environmental and

reproductive justice

https://vayla-no.org/

<sup>\*\*</sup>The research was supported in part by NASA EPSCOR and Louisiana Board of Regents Support Fund

### 10. List of Open Science organizations in Louisiana

### **Coastal Environments Incorporated**

bmanly@coastalenv.com (Beth Manly, President)

225-383-7455

Bryan Haley, Project Manager Remote-sensing and GIS Specialist (bhaley@coastalenv.com)

504-516-2434

www.coastalenv.com

70802 (Coporate office), 70122 (NOLA office), 77004 (Houston office), 78401 (Corpus Christi office), 39530 (Biloxi office)

#### **Gulf Coast Safety & Training Group**

admin@gcstg.com

https://gcstg.com/70508

#### Center for Gulf Coast Environmental Health Research,

Leadership and Strategic Initiatives

**Tulane University** 

Jasmine Fournie (jfournie@tulane.edu)

http://www.gulfcoastenvironmentalhealth.com/70124

#### **Greater New Orleans Foundation**

holly@gnof.org 504-598-4663

https://www.gnof.org/what-we-do/program-areas/environment/gulf-coast/70130

#### I See Change

Julia Kumari Drapkin, CEO

community@isschange.org

Community Climate & Weather Journal

\*\*The research was supported in part by NASA EPSCOR and Louisiana Board of Regents

Support Fund

# Public Lab

Staff@publiclab.org

504-358-0647

http://publiclab.org/wiki/plots-

staff

<sup>\*\*</sup>The research was supported in part by NASA EPSCOR and Louisiana Board of Regents Support Fund

# 11. Out of State Environmental Justice organizations that work in Louisiana

### **Georgetown Environmental Justice Program**

Georgetown University

Gaël Giraud, Founder/Director (berkleycenter@georgetown.edu)

Carrick Reddin, Collaborator

### **UC Berkeley University Department of Sociology**

Dr. Arlie R. Hochschild (ahochsch@berkeley.edu)

**Professor Emerita** 

Writer: Strangers in Their Own Land: Anger and Mourning on the American Right https://sociology.berkeley.edu/professor-emeritus/arlie-r-hochschild

510-642-4766

<sup>\*\*</sup>The research was supported in part by NASA EPSCOR and Louisiana Board of Regents Support Fund

### 12. Out of State Open Science organizations that work in Louisiana

Name

Contact info

### **Sky Truth**

hello@skutruth.org

304-885-4581

skytruth.org/35443

PO BOX 3283, Sheperdstown, WV

# **Gulf Coast Preservation Society**

info@gulfpreserve.org

941-554-7606

http://gulfpreserve.org/33921

PO Box 733, Boca Grande, FL 33921

### **Conservation Foundation of the Gulf Coast**

info@conservationfoundation.com

941-918-2100

https://www.conservationfoundation.com/34229

P.O. Box 902

400 Palmetto Ave, Osprey, FL 34229-0902

#### **Center for Interdisciplinary Geospatial Information Technologies**

**Delta State University** 

Talbot J. Brooks, Director (tbrooks@deltastate.edu)

#### **Surfrider Foundation**

\*\*The research was supported in part by NASA EPSCOR and Louisiana Board of Regents Support Fund

info@surfrider.org

https://www.surfrider.org/

Headquarters in San Clemente, CA

#### Oxfam America

info@oxfamamerica.com

https://www.oxfamamerica.org/

Headquarters in Boston and Washington D.C.

#### **Texas Environmental Justice Advocacy Services**

Juan Parras, Founder/Director (parras.juan@gmail.com)

https://www.tejasbarrios.org/77011

### Citizens League for Environmental Action

Jane Dale Owen, President (janedowen@aol.com)

https://cechouston.org/2006/03/16/citizens%E2%80%99-league-for-environmental-action-now

#### **Boat People SOS - Gulf Coast**

info@bpsos.org

228-436-9999 (Biloxi) / 251-824-7016 (Bayou La Batre)

https://www.bpsos.org/bpsos-gulf-coast

39530 (Biloxi) / 36509 (Bayou La Batre)

#### **Coastal Environments Incorporated**

bmanly@coastalenv.com (Beth Manly, President)

225-383-7455

Bryan Haley, Project Manager Remote-sensing and GIS Specialist (bhaley@coastalenv.com)

504-516-2434

<sup>\*\*</sup>The research was supported in part by NASA EPSCOR and Louisiana Board of Regents Support Fund



# 13. Government sponsored data collection initiatives

#### -Tulane Environmental Justice Curriculum for K-12 initiative

https://news.tulane.edu/pr/tulane-receives-12-million-grant-create-environmental-justice-curriculum-louisiana-k-12-schools

### -Louisiana Private Well Initiative Program

https://ldh.la.gov/assets/oph/Center-EH/envepi/PWI/Documents/

Final Progress Report PWI II.pdf

### -Louisiana Ambient air monitoring program

Ambient Air Monitoring Program | Louisiana Department of Environmental

Quality

#### -Louisiana Department of Health (Your drinking water

and you) training manual 20040121 (louisiana.gov)

#### -EPA Volunteer monitoring

Starting Out in Volunteer Monitoring

(epa.gov)

<sup>\*\*</sup>The research was supported in part by NASA EPSCOR and Louisiana Board of Regents Support Fund

# 14. List of Open Sci organizations in Louisiana

### **Gulf Coast Safety & Training Group**

admin@gcstg.com

https://gcstg.com/70508

#### Center for Gulf Coast Environmental Health Research,

Leadership and Strategic Initiatives

**Tulane University** 

Jasmine Fournie (jfournie@tulane.edu)

http://www.gulfcoastenvironmentalhealth.com/70124

#### **Public Lab**

Staff@publiclab.org

504-358-0647

http://publiclab.org/wiki/plots-staff

#### Louisiana Bucket Brigade

info@labucketbrigade.org

504-484-3433

https://labucketbrigade.org/70119

Anne Rolfes (anne@labucketbrigade.org)

Shreyas Vasudevan (shreyas@labucketbrigade.org)

<sup>\*\*</sup>The research was supported in part by NASA EPSCOR and Louisiana Board of Regents Support Fund

#### 15. Recognized Indigenous Tribes of Louisiana

#### The state-recognized tribes of Louisiana, The

Addai Caddo Tribe

the Biloxi-Chitimacha Confederation of Muskogee

The Choctaw-Apache Community of Ebarb

The Clifton Choctaw,

The Four Winds Tribe Louisiana Cherokee

Confederacy The Grand Caillou/Dulac Band

The Isle de Jean Charles Band

The Louisiana Choctaw Tribe

The Pointe-Au-Chien Indian Tribe

The United Houma Nation.

#### The Federally recognized

The Chitimacha Tribe of Louisiana

The Coushatta Tribe of Louisiana

The Jena Band of Choctaw Indians The Tunica-Biloxi Indian Tribe

#### Note:

- The Coushatta Tribe of Louisiana, Jena Band of Choctaw Indians, and Tunica-Biloxi Indian Tribe of Louisiana are headquartered in the towns of Elton, Jena, and Marksville, respectively
- In New Orleans, approximately 2700 people identify as having American Indian/Alaska Native background, comprising 0.7% of the city's population. About 1.3% of Louisiana.
- New Orleans sits on the originally were the Chitimacha, with the Atakapa, Caddo, Choctaw, Houma, Natchez, and Tunica inhabiting throughout the state.
- The Chitimacha Tribe of Louisiana is the only Louisiana tribe to still live on a section of their original homeland, with a reservation located near the town of Charenton.

<sup>\*</sup>The research was supported in part by NASA EPSCOR and Louisiana Board of Regents Support Fund

#### References:

- https://www.ala.org/aboutala/offices/nola-tribes
- <a href="https://www.nps.gov/jela/learn/historyculture/native-americans-in-louisiana.htm#:~:text=Today%2C%20there%20are%20four%20federally,by%20the%20state%20of%20Louisiana.htm">https://www.nps.gov/jela/learn/historyculture/native-americans-in-louisiana.htm#:~:text=Today%2C%20there%20are%20four%20federally,by%20the%20state%20of%20Louisiana.htm">https://www.nps.gov/jela/learn/historyculture/native-americans-in-louisiana.htm#:~:text=Today%2C%20there%20are%20four%20federally,by%20the%20state%20of%20Louisiana.htm">https://www.nps.gov/jela/learn/historyculture/native-americans-in-louisiana.htm</a>#:~:text=Today%2C%20there%20are%20four%20federally,by%20the%20state%20of%20Louisiana.htm



Source: https://www.aaanativearts.com/native-amerian-tribes-by-state/louisiana-indian-tribes



**Source:** http://www.native-languages.org/louisiana.htm

<sup>\*</sup>The research was supported in part by NASA EPSCOR and Louisiana Board of Regents Support Fund