

# EXCELSIOR SPRINGS MEMORIAL AIRPORT

## ENVIRONMENTAL RESOURCES AND SUSTAINABILITY PRACTICES



The Kansas City Regional Aviation System Plan, conducted by the Mid-America Regional Council in 2015, reviewed the location of important environmental resources in the vicinity of each airport included in the plan. Airports that have or will accept federal funds to implement capital projects are often required to evaluate potential impacts to the environment from development that could occur on or near the airport. According to FAA Order 1050.1F, Environmental Impacts: Policies and Procedures, numerous environmental resources should be evaluated for impacts prior to the commencement of any major construction or development project at an airport. Best practices indicate that all airports should consider the environment as part of their improvement plans. Airports can be prepared to address

potential environmental impacts from development by identifying, in advance, environmental features that are present on or in the vicinity of an airport. This document presents a basic review of environmental resources that are present near Excelsior Springs Memorial Airport.

In addition to documenting nearby environmental resources, the system plan also inventoried environmental sustainability practices that are already in place at each study airport. The table below shows plans that have been completed to support environmental stewardship or programs in place to support sustainability practices at Excelsior Springs Memorial Airport. Depending on an airport's role in the regional system, a particular environmental program or practice may or may not be identified as an objective for the purposes of this plan.

Practice/Program	At Airport
Noise Contours	Not Completed
Environmental Assessment	Not an Objective for this Airport
Wildlife Hazard Assessment/Management Plan	Not Completed
Current Spill Prevention, Control, and Countermeasure (SPCC) Plan	<b>Not In Place</b>
Water Use Efficiency Program	<b>Not In Place</b>
Efficient Energy Use Program for Buildings	<b>Not In Place</b>
Solid Waste Reduction Program	<b>Not In Place</b>
Energy Efficient Programs for Vehicles	Not an Objective for this Airport
Posted Recycling Program	Currently in Place

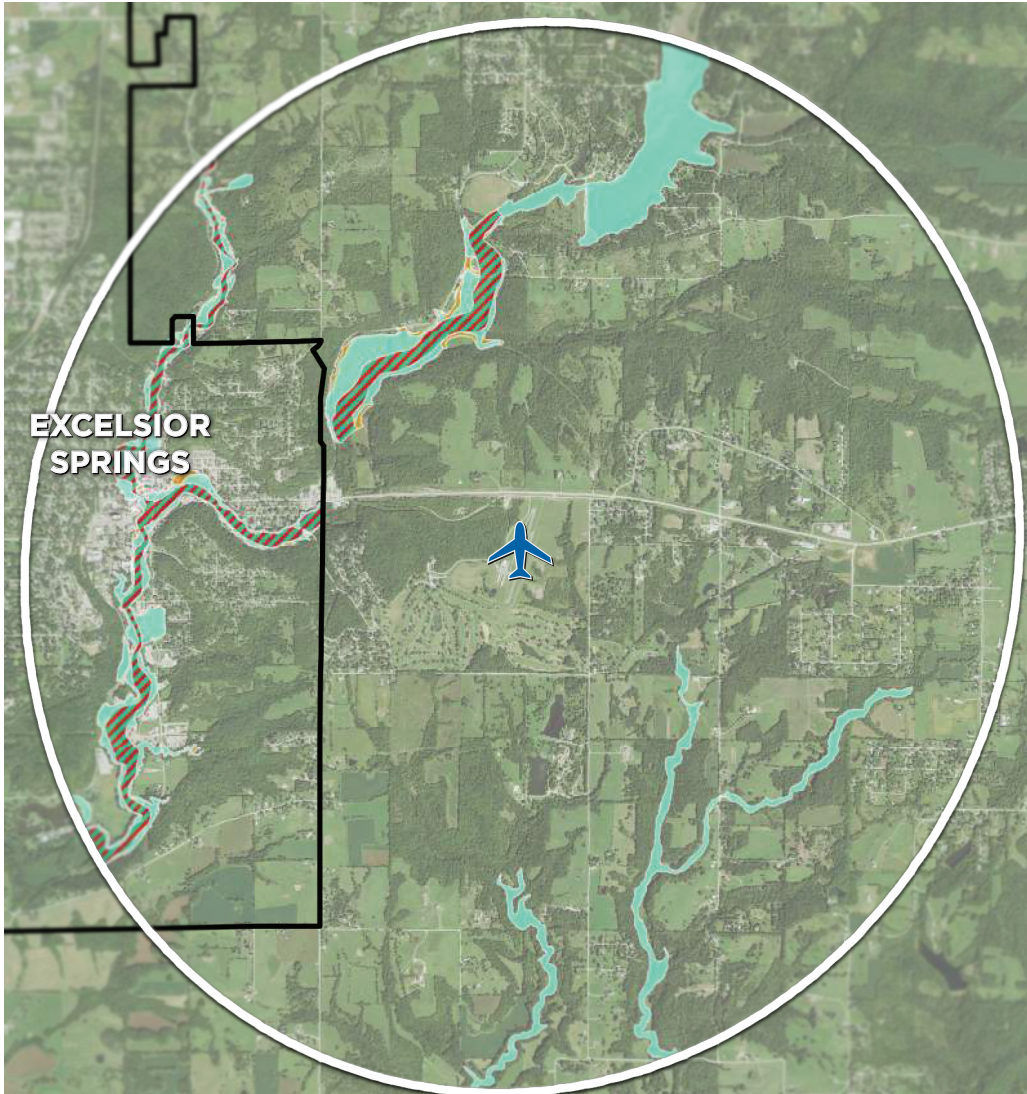
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## ENVIRONMENTAL RESOURCES AND SUSTAINABILITY PRACTICES

### FLOODPLAINS




Federal agencies are directed to take action to reduce the risk of flood loss; minimize the impact of floods on human safety, health, and welfare; and restore and preserve the natural and beneficial values within areas designated as floodplains. As such, any proposed project at an airport that is funded by federal money must evaluate the potential for

impacts to floodplains from airport expansion. Best practices, however, indicate that all airports, even non-federal airports, should consider the location of nearby floodplains when they expand. The adjacent map depicts existing floodplains on and near the Excelsior Springs Memorial Airport. As shown, no floodplains exist on airport property.



### FLOODPLAIN MAP FOR EXCELSIOR SPRINGS MEMORIAL AIRPORT

#### LEGEND

-  FLOODWAY
-  100 YEAR FLOODPLAIN
-  500 YEAR FLOODPLAIN

Data Source: USDA, FEMA  
Date: 12 August 2015

### THE ENVIRONMENTAL RESOURCES THAT SHOULD BE EVALUATED PRIOR TO ANY AIRPORT PROJECT:

- Air Quality
- Biological Resources
- Climate
- Coastal Resources
- Department of Transportation Act, Section 4(f) properties
- Farmlands
- Hazardous Materials, Solid Waste, and Pollution Prevention
- Historical, Architectural, Archaeological, and Cultural Resources
- Land Use
- Natural Resources and Energy Supply
- Noise and Noise-Compatible Land Use
- Socioeconomics, Environmental Justice, and Children's Environmental Health and Safety Risks
- Visual Effects, including Light Emissions
- Water Resources (Wetlands, Floodplains, Surface Waters, Groundwater, Wild and Scenic Rivers)

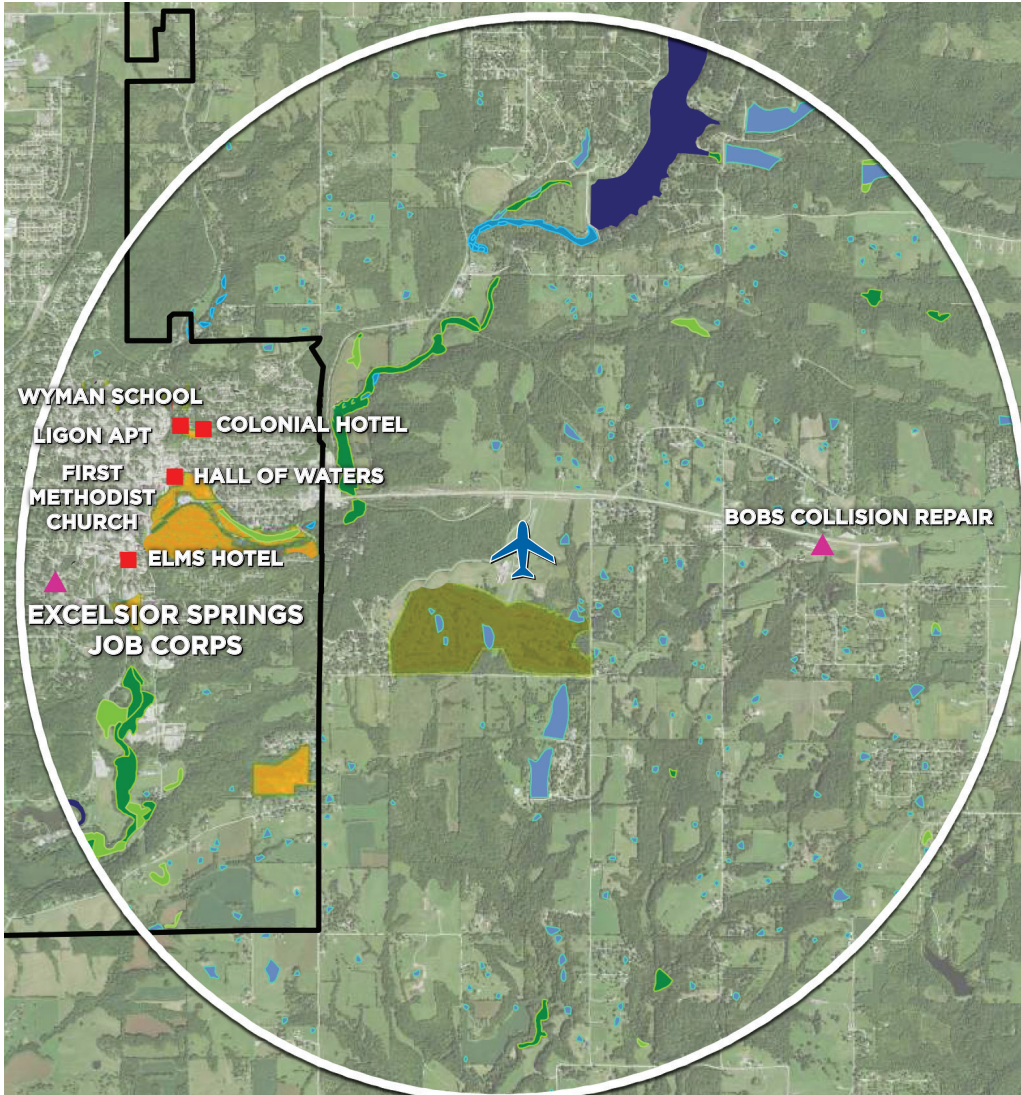
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## ENVIRONMENTAL RESOURCES AND SUSTAINABILITY PRACTICES

### ENVIRONMENTAL RESOURCES

The map below depicts other environmental features within the vicinity of Excelsior Springs Memorial Airport. It includes: 1) DOT Section 4(f) public parks, recreational areas, wildlife and waterfowl refuges of national, state, or local significance, or land from a historic site of national, state, or local significance; 2) hazardous waste facilities; and 3) historical, architectural, archaeological and cultural resource; and 4) wetlands. These resources

must be evaluated for potential impacts resulting from most proposed development projects completed with federal funds. Best practices indicate that all airports should consider these environmental resources if they are expanding. DOT Section 4(f) public lands and freshwater ponds occur adjacent to airport property. Best practices indicate that development to the south of the airport should consider both environmental resources.



### ENVIRONMENTAL MAP FOR EXCELSIOR SPRINGS MEMORIAL AIRPORT

#### LEGEND

- FRESHWATER EMERGENT WETLAND
- FRESHWATER FORESTED WETLAND
- FRESHWATER POND
- RIVERINE
- LAKE
- PARK
- GOLF COURSE
- ▲ HAZARDOUS WASTE GENERATOR
- HISTORIC BUILDING

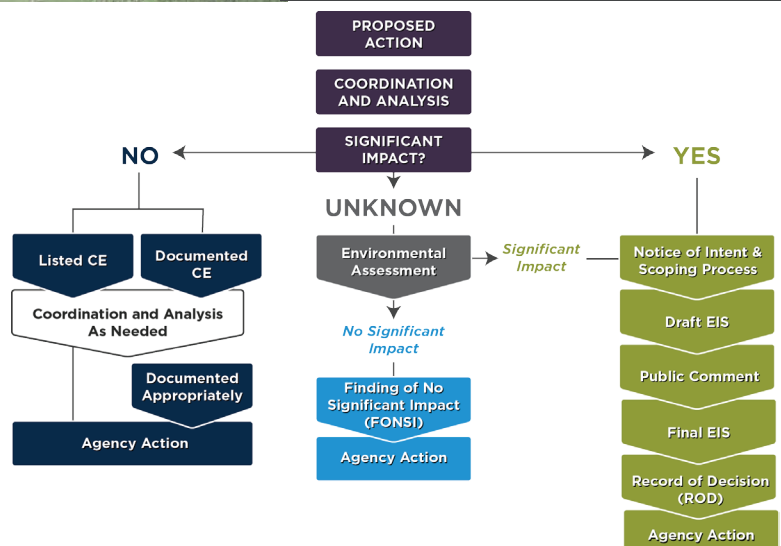
Data Source: USDA, NWI  
Date: 12 August 2015

### LEVELS OF ENVIRONMENTAL REVIEW:

**Level 1:** Categorical Exclusions (CE)-Documentation needed for actions that do not have significant environmental effects

**Level 2:** Environmental Assessment (EA)-Analysis required to determine impacts if they are unknown. If no significant impacts are found, a Finding of No Significant Impact (FONSI) is issued.

**Level 3:** Environmental Impact Statement (EIS) -Analysis required for projects that will result in significant environmental impacts. A Record of Decision (ROD) states the FAA's final decision.

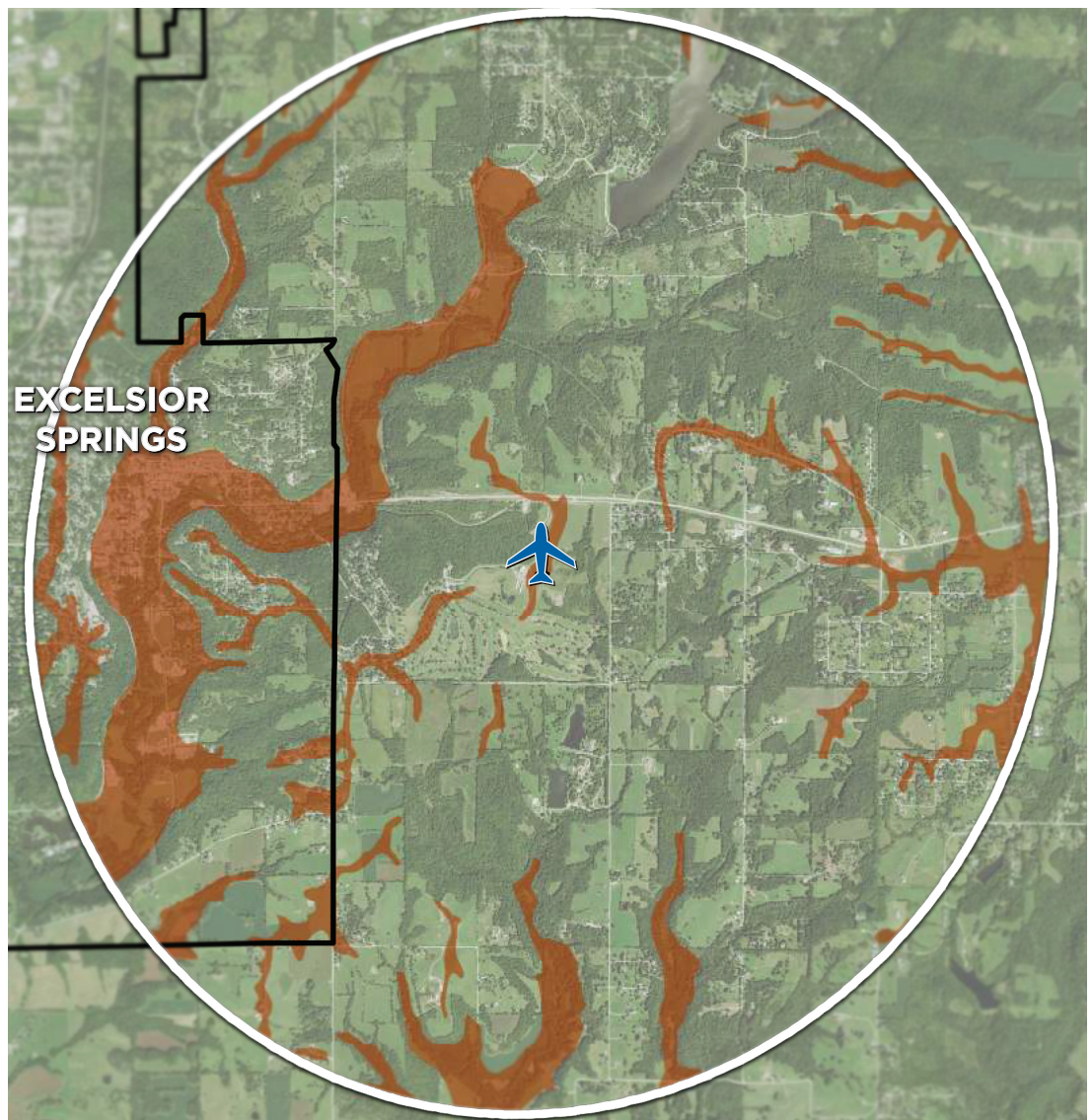


## PRIME FARMLAND

Federal actions, or actions that are completed with federal money, must be evaluated for their potential to convert important farmland to non-agricultural uses. This includes all pasture-lands, croplands, and forests considered to be prime, unique, or of statewide or local importance. The Farmland Protection Policy Act defines these as detailed below:

- **Prime farmland:** land having the best combination of physical and chemical characteristics for producing food, feed, fiber, forage, oilseed, and other agricultural crops with minimal use of fuel, fertilizer, pesticides, or products.
- **Unique farmland:** land that is used for producing high-value food and fiber crops with a special combination of soil quality, location, growing season, and moisture necessary to produce high quality crops or high yields of them economically.
- **Farmland of statewide and local importance:** land that has been designated as “important” by either a state government or by county commissioners or an equivalent elected body.

In the map to the right, a significant amount of prime farmland exists on and near Excelsior Springs Memorial Airport. If the airport expands in the future to the north or south, consideration should be given to determine if there are any potential impacts on designated farmlands that are near the airport.



### PRIME FARMLAND MAP FOR EXCELSIOR SPRINGS MEMORIAL AIRPORT

Data Source: USDA, NRCS | Date: 12 August 2015

#### ENVIRONMENTAL RESOURCES:

- FAA Order 1050.1F, Environmental Impacts: Policies and Procedures
- FAA Order 5050.4b, National Environmental Policy Act (NEPA) Implementing Instructions for Airport Actions
- FAA Environmental Desk Reference for Airport Actions



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