



CF&S

Environmental Process

for an Americas Regional Effort

EDR Planning

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Overview

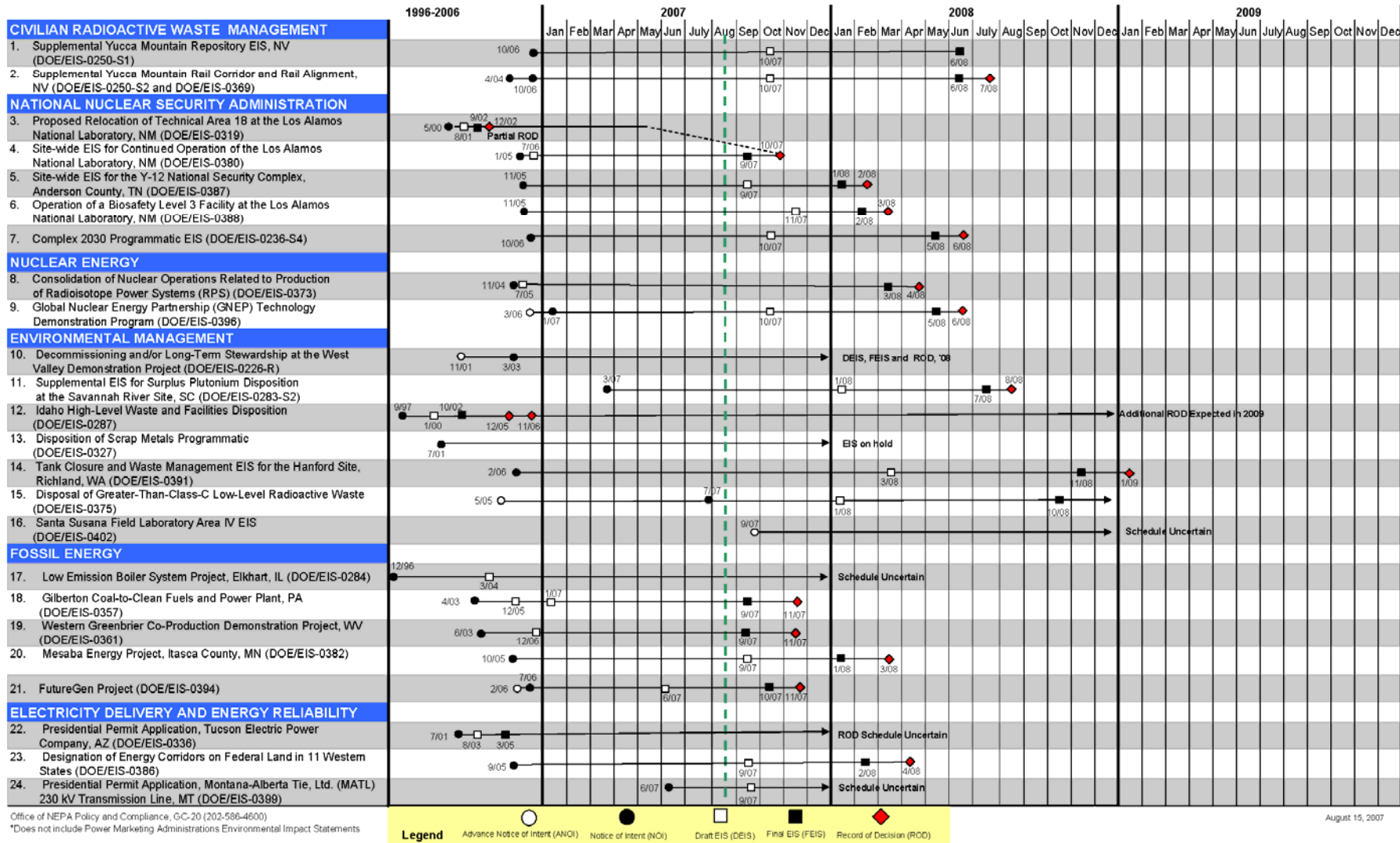
Why?

The National Environmental Policy Act of 1969 requires that federal agencies prepare detailed analyses of any of their actions that significantly affect the quality of the environment. Environmental impact statements (EIS's) are the result of this requirement.



DOE NEPA Timelines

SCHEDULES OF KEY ENVIRONMENTAL IMPACT STATEMENTS*



Office of NEPA Policy and Compliance, G-C-20 (202-586-4600)
 *Does not include Power Marketing Administrations Environmental Impact Statements

August 15, 2007

24 August 2007

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DOE NEPA Timeline Stats

- 22 Environmental Impact Statements total, 63% have or will receive a Record of Decision (ROD) in an average of 3.43 years
- 37% schedule is uncertain



What are the Impacts

- **During construction and operations**
 - AIR
 - CULTURAL/HISTORIC RESOURCES
 - ENERGY
 - RADIOLOGICAL
 - SOCIOECONOMIC FACTORS
 - SUSTAINABILITY
 - TOXIC SUBSTANCES
 - TRANSPORTATION
 - WASTE
 - WATER
 - WILDLIFE & HABITAT
 - OCCUPATIONAL HEALTH & SAFETY



Project specific information required

- Emissions
- Discharges
- Direct and indirect impacts
- Cumulative impacts
- This must include the locations of surface structures, such as water treatment requirements
- Part of the environmental assessment will need to address radiation, ground water contamination, air emission, tritium and all other impacts that the machine could have. This needs technical input.
 - This information will be required by all regions.
 - This can not be hand waved... the public will be very interested.
 - The public is starting to ask questions. We need to address the issues of radiation.



First Steps

- First, gather information and to assess the impacts the project will have on the environment.
- Second, assess different alignments.

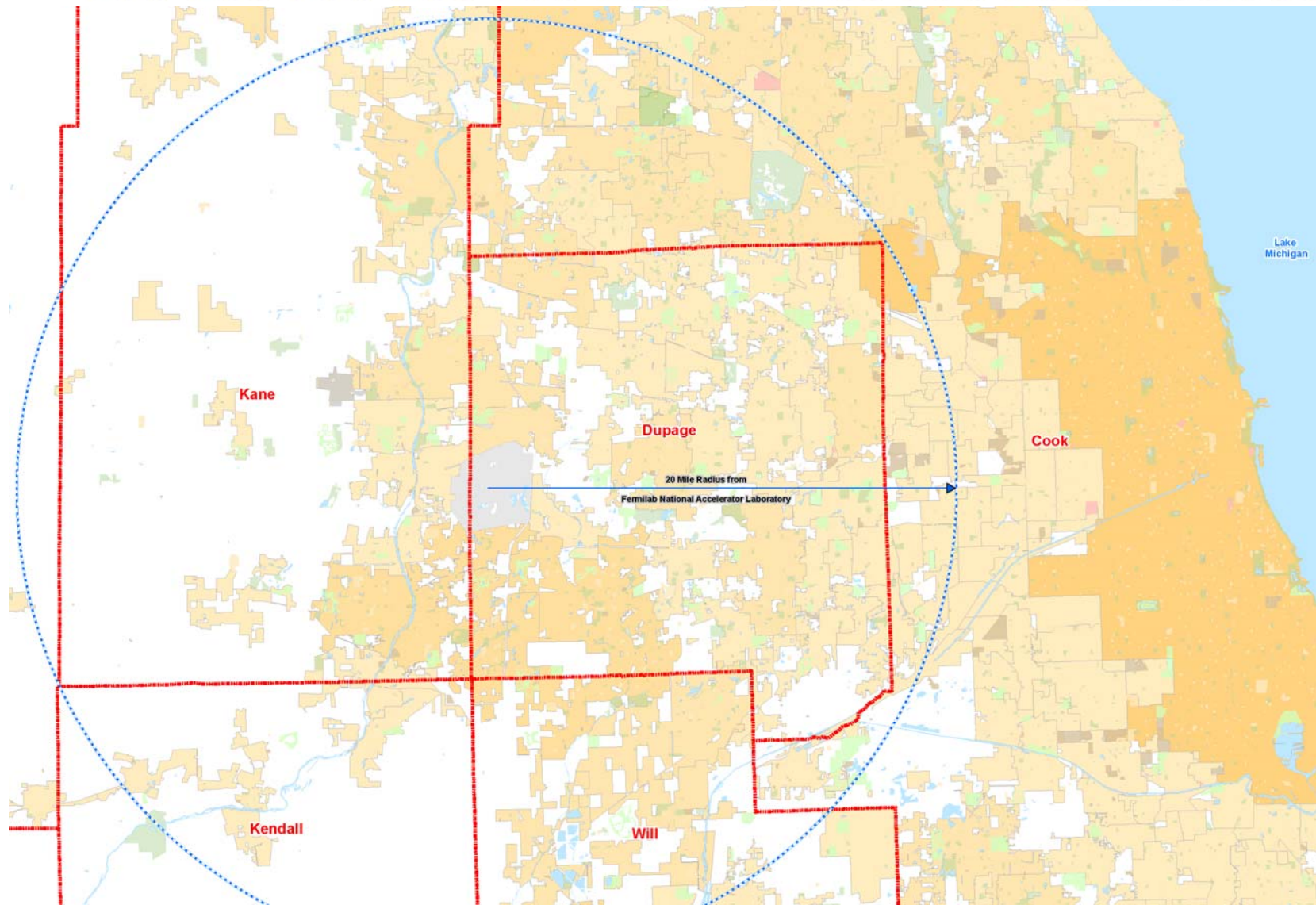


GIS – The Initial Tool

- **Information will be gathered to:**
 - Identify major issues
 - Create an analysis of impacts
 - Analyze alternative alignments
 - To be confirm by field investigation
- **Continuous improvement of analyses**
- **GIS allows us to start looking at surface features.**



Phase 2 - Potential impacted areas



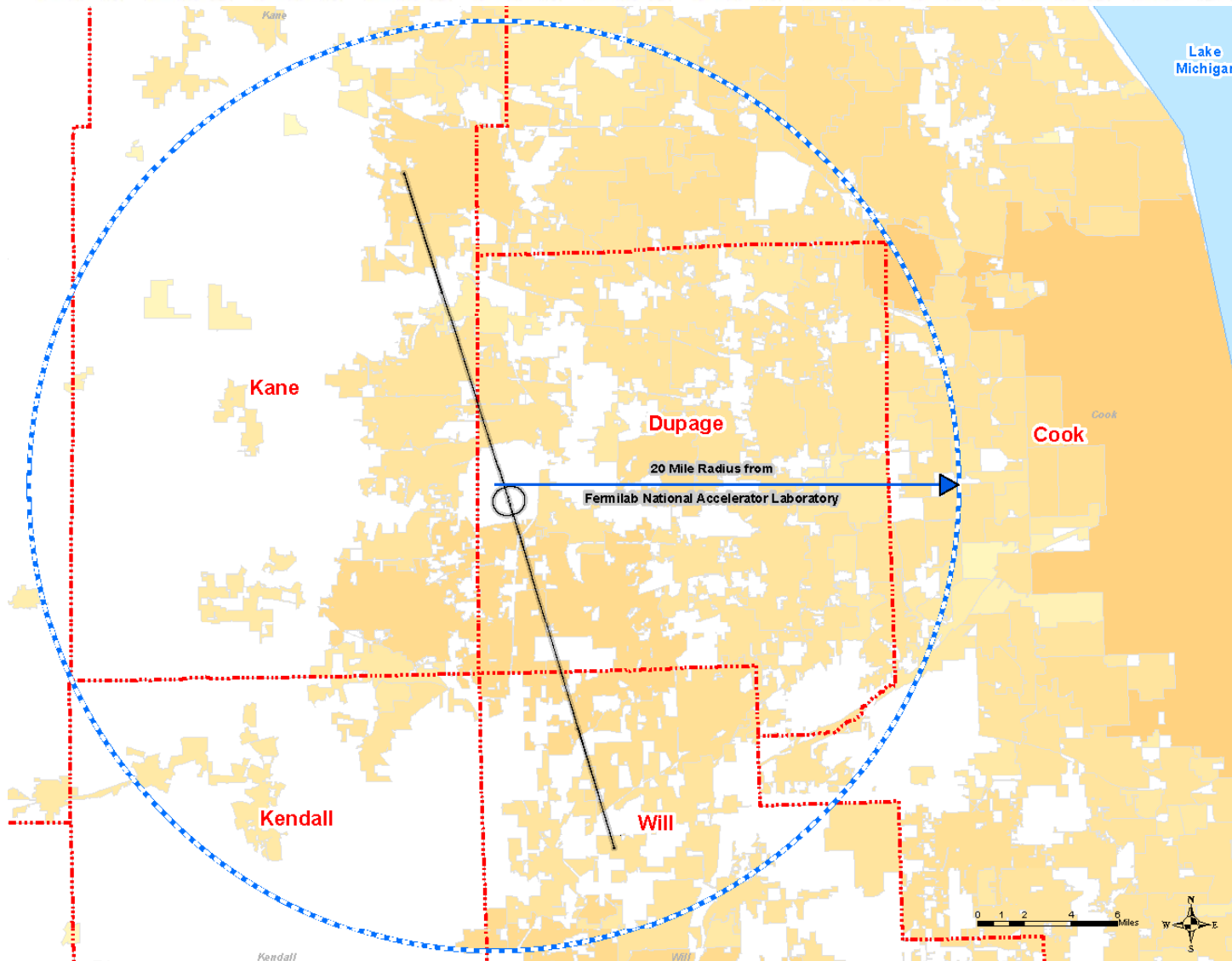
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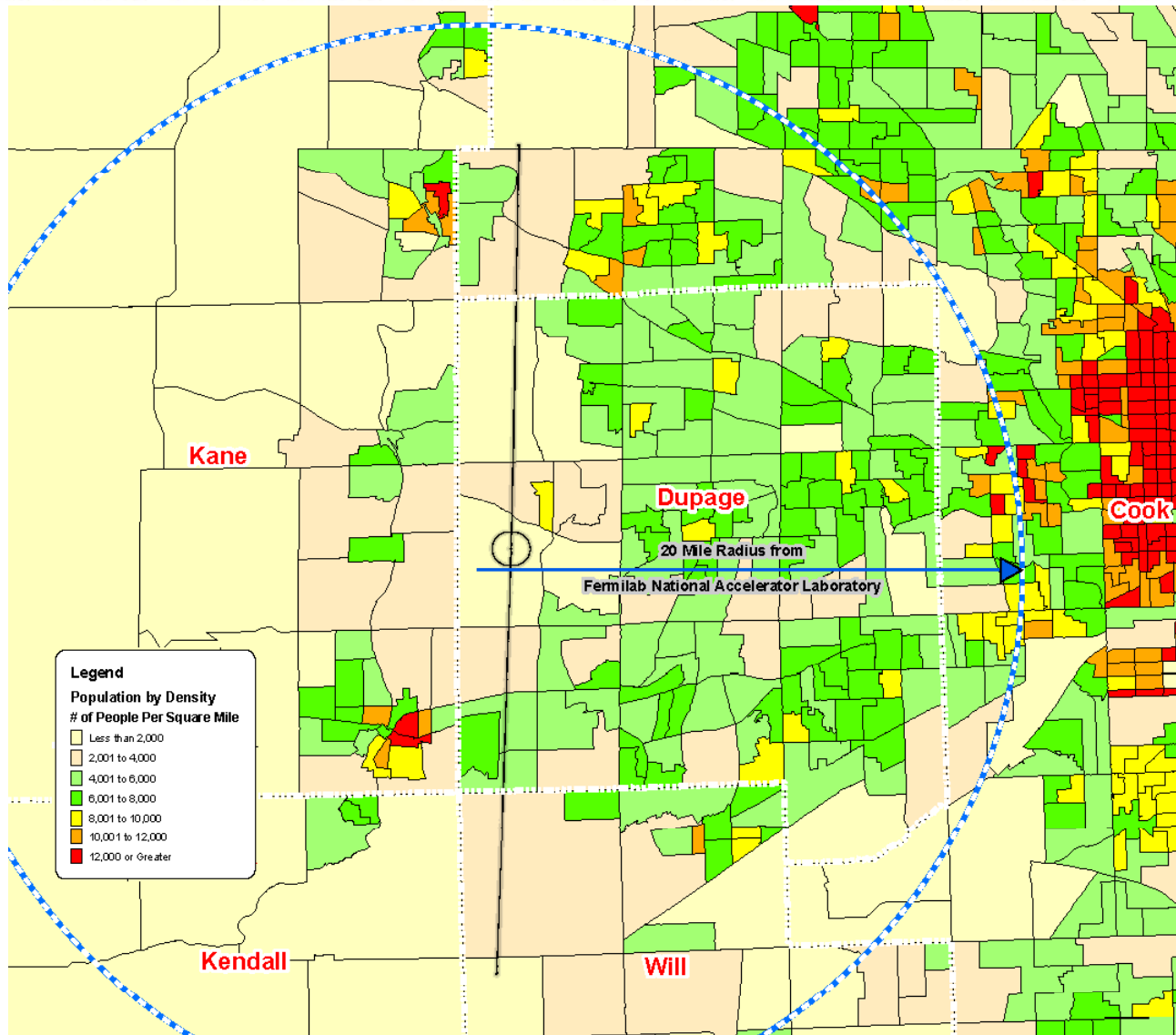


Using GIS in Site Selection



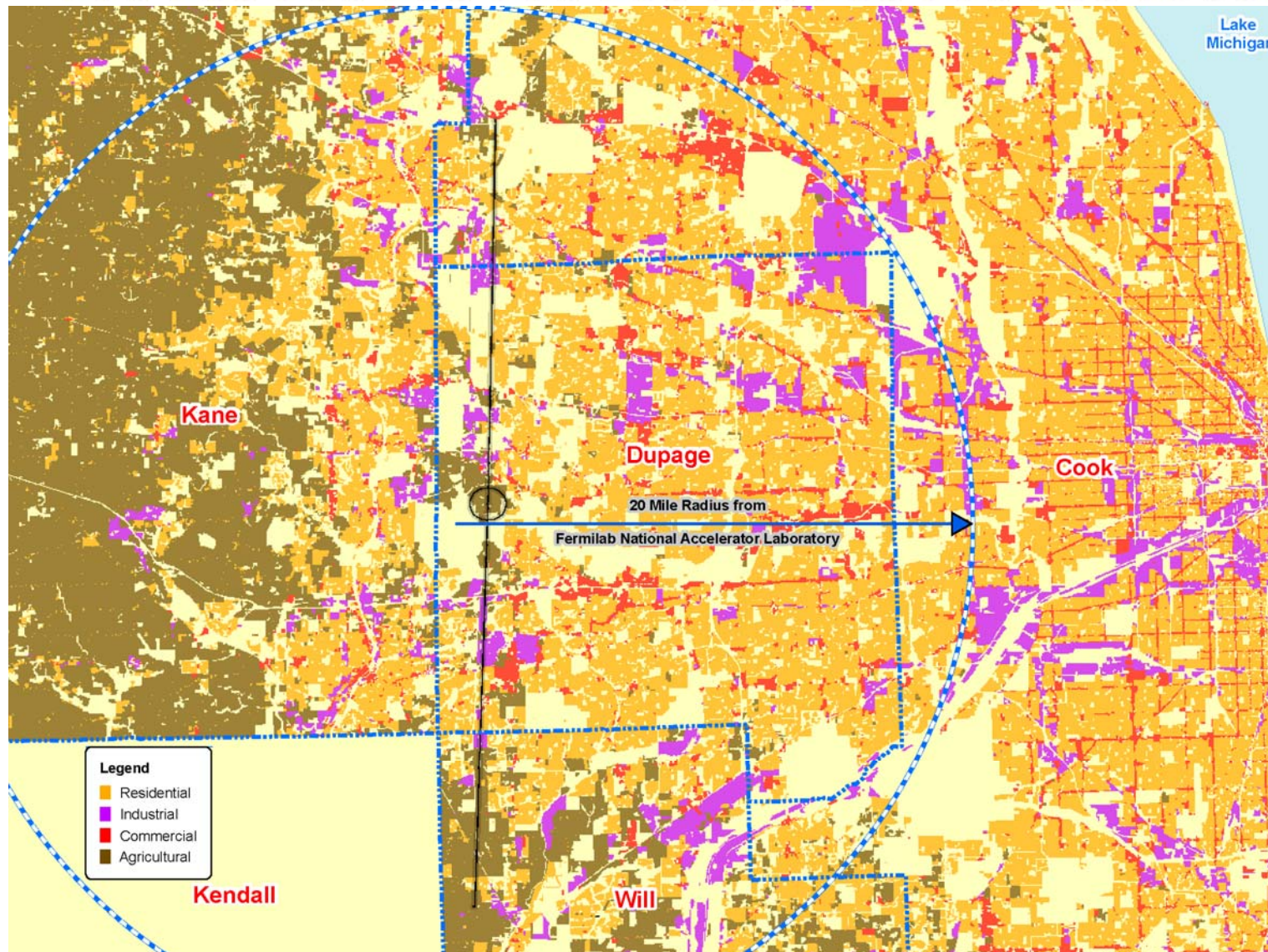


Population Census from 2000



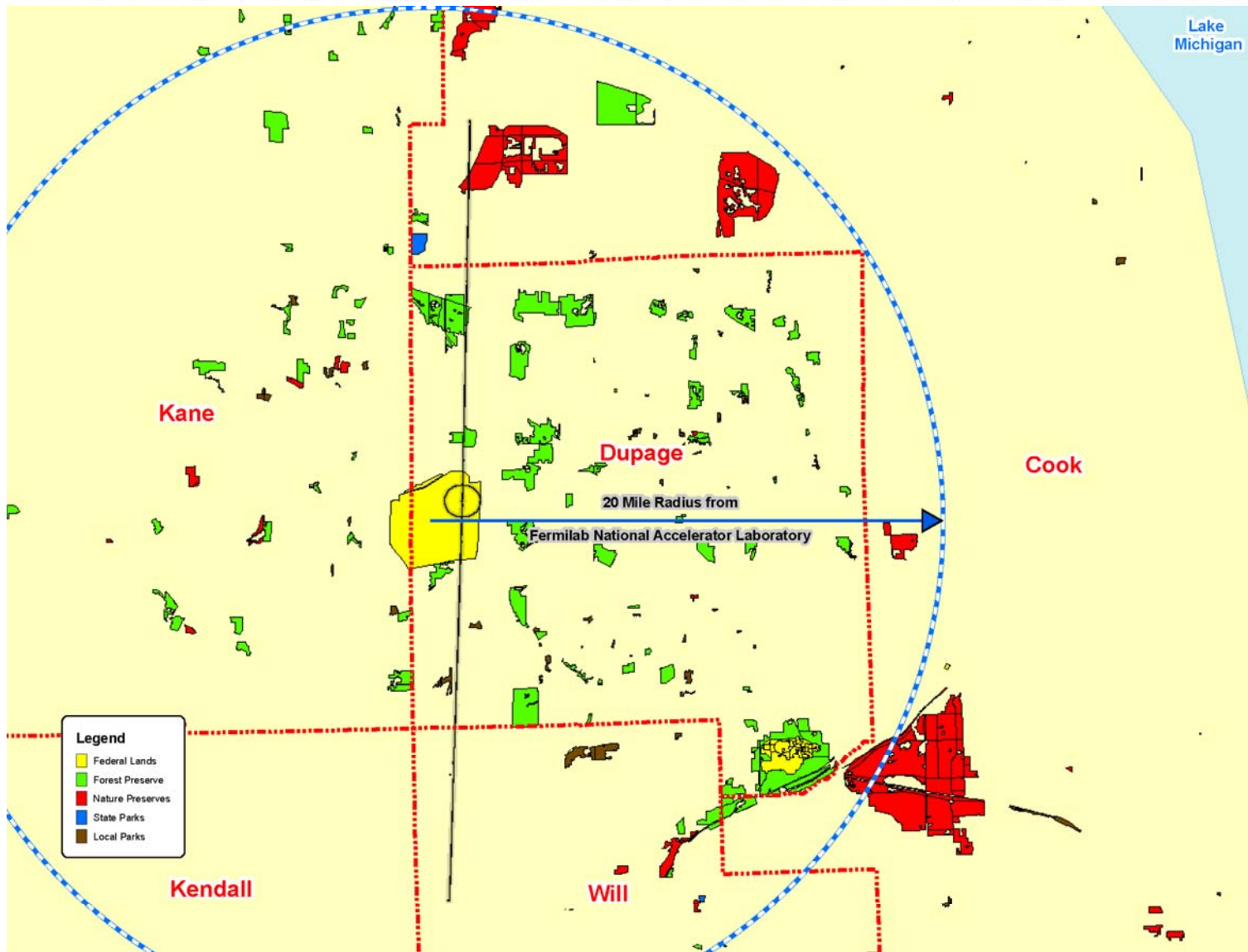


Land Usage 2001 Data



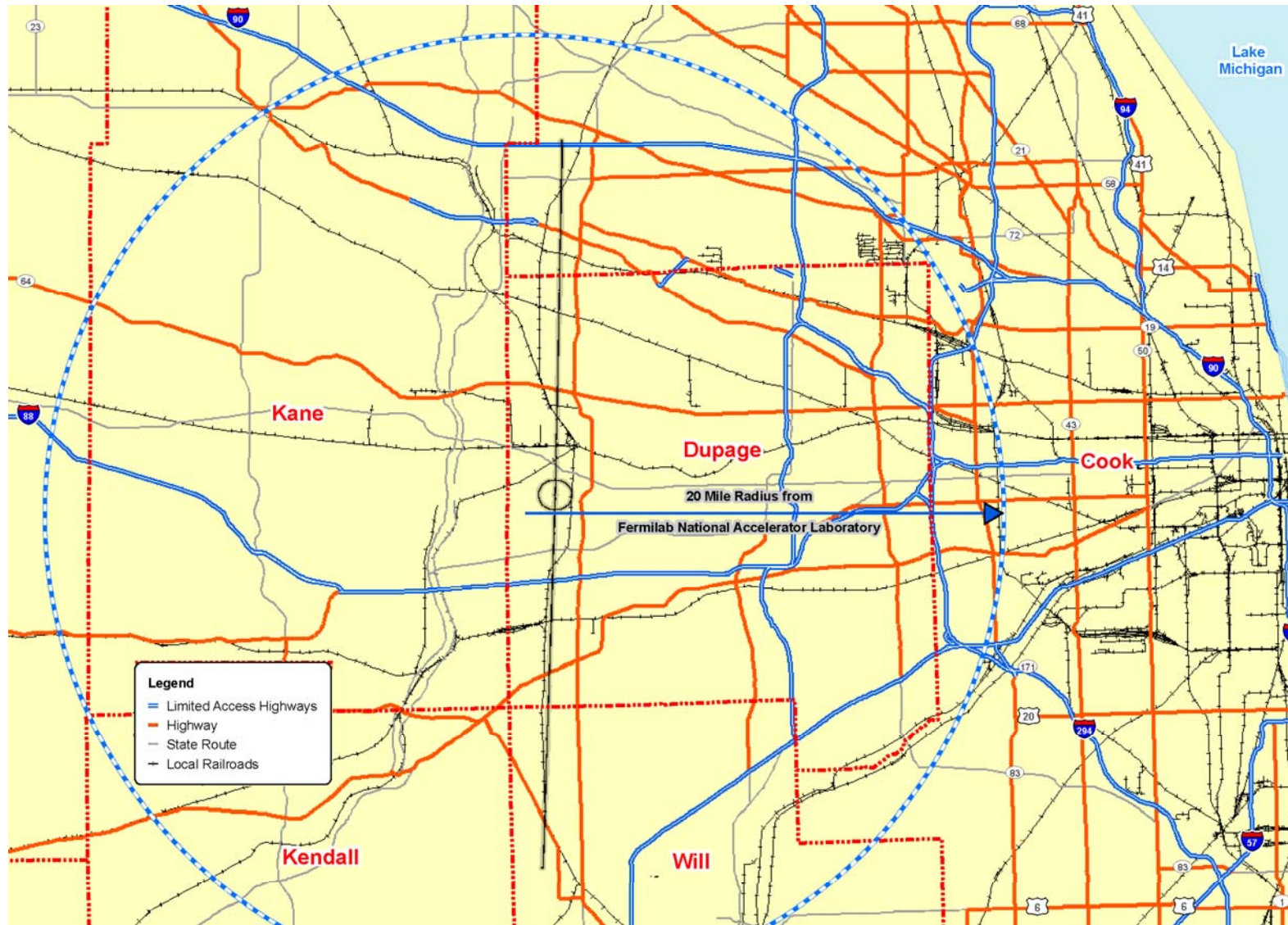


Park, Federal, & Nature Preserve



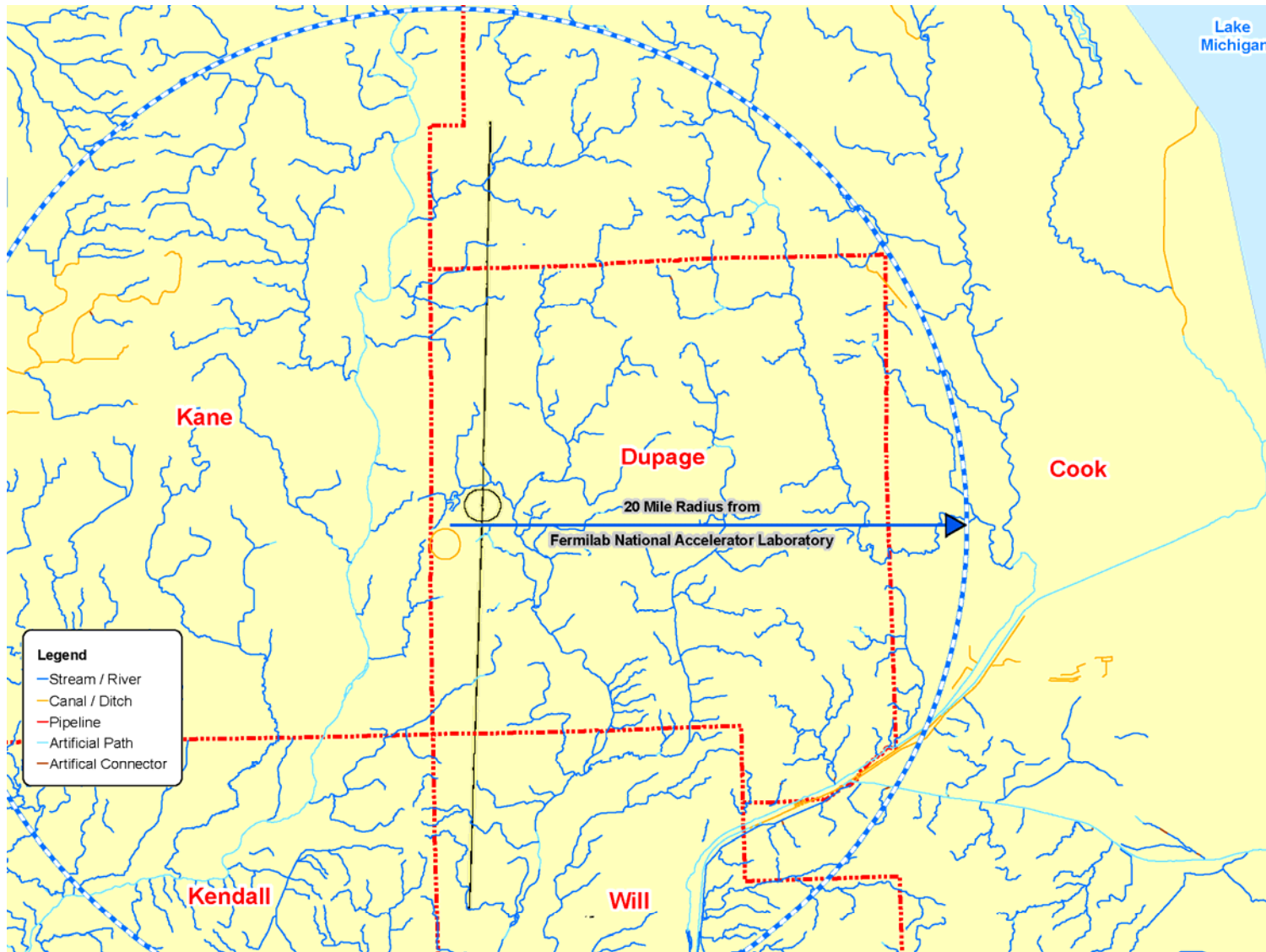


Transportation



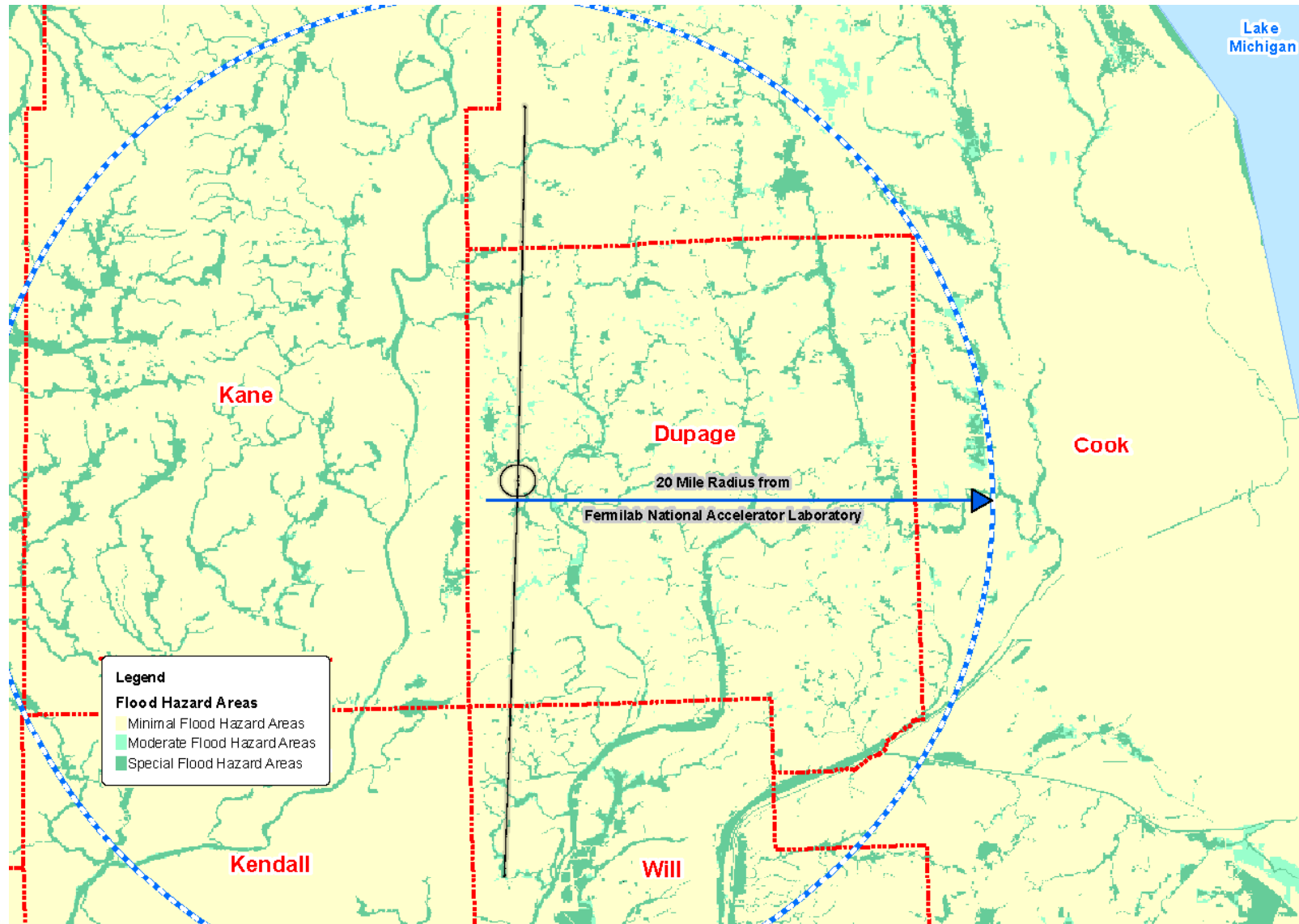


Streams



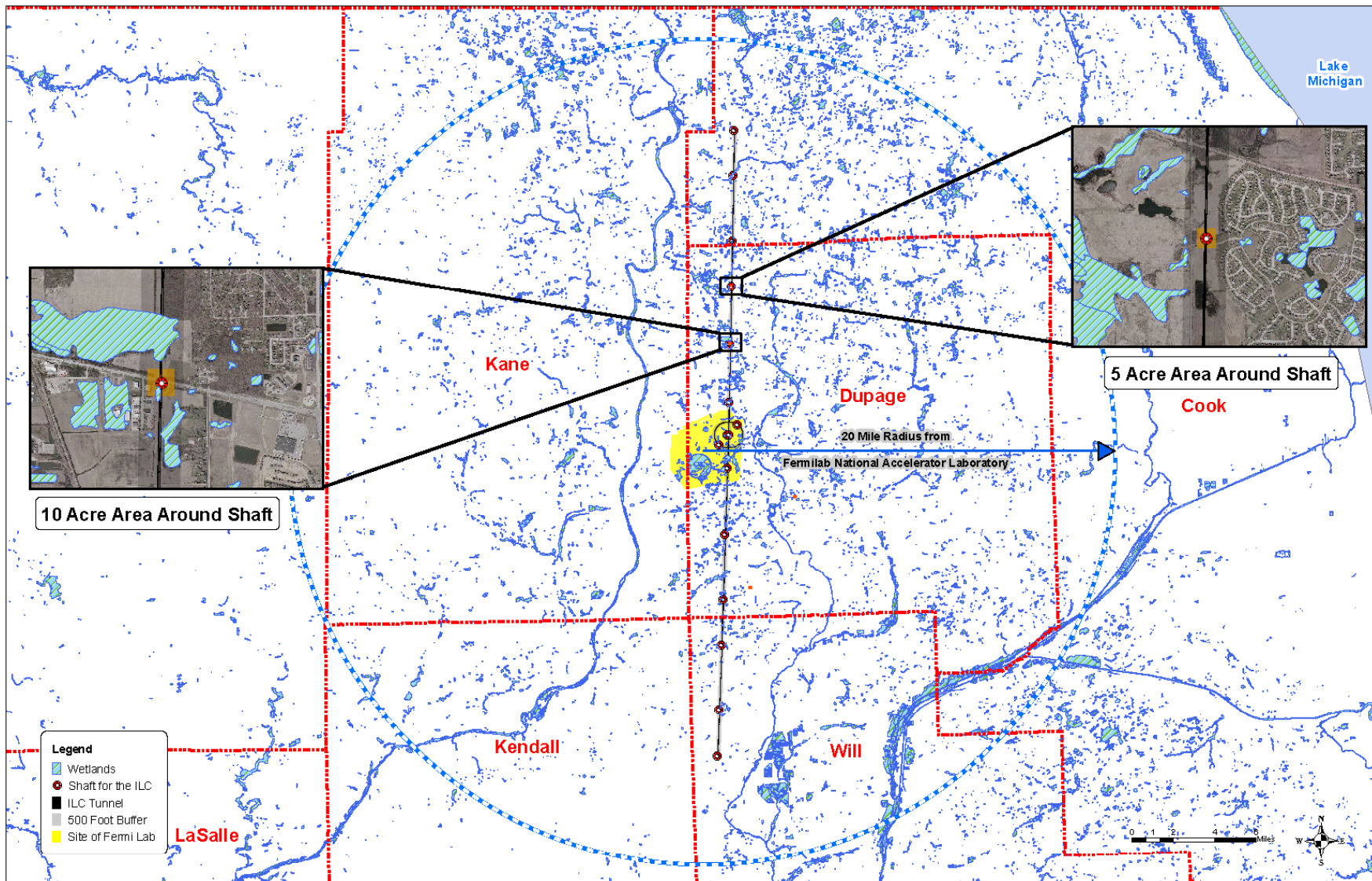


FEMA Flood





Wetlands





Current DOE Contractors

- Ageiss Environmental, Inc., Evergreen, CO (small business)
- Battelle Memorial Institute, Kensington, MD
- Jason Associates Corporation, Hilton Head, SC
- Potomac-Hudson Engineering, Inc., Bethesda, MD (small business)
- SAIC, Germantown, MD
- Tetra Tech, Inc., Falls Church, VA



Discussion

Need Rad Physicist identified.

Scope of Investigation

Determining criteria on selecting NEPA firm

Characteristics of the operations