

# PRESENTATION

## Using GIS for an EIS: A Study of the Gaming Area EIS

Rich Chamberlain and  
Tammy Goorman

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**URS**

# Overview

- **Why use GIS for an EIS?**
  - Central data warehouse
  - Map products
  - GIS analysis
- **The future of GIS in EISs**
  - GIS's role in the Gaming project
  - New technologies



# Central Data Warehouse - Benefits

- **Single “one stop shop” for spatial data**
  - **GIS done by single person/group = easier project coordination**
  - **Single person/group dedicated to maintaining GIS data**
  - **GIS data can be shared with others in many formats (CAD etc.)**



# Map Products - Benefits

- **Field Staff**

- **Accurate field maps with relevant data (topo, aerials, etc.)**
- **More accurate data collection - good base map provided**
- **QA/QC built into data collection process**



## Map Products - Benefits (Cont.)

- **Project Managers/Tech. Leads**
  - QA/QC procedures enforced because GIS data needs to be spatially accurate
  - Maps are quickly/easily updated with new information
  - High-quality maps add “zest” to your document
  - Maps help inform the public of project issues





# GIS Analysis - Benefits

- **Easily calculate potential impacts**
- **Impact calculations are quick and customizable**
- **“What if” scenarios are easy**
- **Analysis opportunities are endless**



# The Future - What will it Bring?

- **GIS's role within the Gaming EIS project**
  - **Map production for Public EIS**
  - **Maps of preferred alternative as relate to various resources**
  - **Data maintenance and archiving**
  - **Metadata creation**



# The Future - What will it Bring? (Continued)

- **New Technologies for EISs**
  - **Web-based maps (ArcIMS) can help with public awareness of EIS**
  - **Visualization of preferred alternative using surface modeling (ex. fly-through movies)**
  - **Advanced and/or customized spatial analyses**





# The Future - What will it Bring? (Continued)

- **CDOT GIS Technical Group**
  - Established with consultants
  - Promotes data sharing, less data duplication
  - Protects CDOT's data investments

***Demo - How CDOT is using  
ArcIMS to share corridor data***

