**Interagency Compliance Application  
(Desktop Application)**

**Background**

The National Park Service is responsible for identifying properties and points of interest that may be impacted due to anthropogenic activities. For example, if an abandoned industrial site is to be converted to a wind farm, are there any National Natural Landmarks that could be visually impaired? Additionally, if a county is scheduled to change zoning regulations, are there any Federal lands in the county that could potentially be affected? The application is not designed for individual compliance applications, e.g. viewshed or environmental impact assessments, but rather to identify potentially impacted properties.

**Analytical Requirements**

The Interagency Compliance Application should be designed to allow a manager, with no working knowledge of using ArcGIS Desktop, to select an existing point, line or polygon within the database or digitize a new point, line, or polygon feature. Based on the selected (or digitized) feature, the user must be able to determine if an existing property or point of interest is:

1. Within a user specified distance or
2. If a polygon is selected, are there any existing properties or points of interest within the polygon.

**Layers for Analysis and Attributes for Reporting**

Eleven layers have been identified for potential analysis and reporting. For a given analysis, one or more layers may be queried. Specific attributes for each layer are required for reporting is the layer is selected for analysis.

|  |  |  |
| --- | --- | --- |
| **Layer** | **Existing Attribute** | **Attribute Label for Reporting** |
| Wild and Scenic Rivers | Name | Name |
|  | Feature | Feature Type |
| National River Inventory | River | Name |
|  | County | County |
|  | State | State |
| National Trails | Park\_Name | Park Name |
|  | Designatio | Designation |
| NPS Park Boundaries | Unit\_Name | Name |
|  | Unit\_Type | Designation |
|  | State | State |
| Major Federal Lands | Name1 | Name |
|  | Mng\_Agency | Managing Agency |
|  | Feature1 | Feature Type |
|  | State | State |
| National Natural Landmarks | NNL\_Name | NNL Name |
|  | Owner\_Type | Owner Type |
|  | State | State |
|  | County | County |
| National Register of Historic Places | NPS\_Refer | NPS Reference Number |
|  | Historic\_P | Name |
|  | Address | Address |
|  | City | City |
|  | County | County |
|  | State | State |
| National Historic Landmarks | NPS\_Refer | NPS Reference Number |
|  | Historic\_P | Name |
|  | Address | Address |
|  | City | City |
|  | County | County |
|  | State | State |
| Civil War Battlefields | Site | Site |
|  | Name | Name |
|  | Campaign\_ | Campaign |
|  | Campaign\_N | Campaign Name |
|  | Campaignda | Campaign Date |
|  | State | State |
| National Heritage Areas | Name | Name |
| Land and Water Conservation Fund | Element\_Na | Element Name |
|  | Sponsor\_Na | Sponsor Name |
|  | Fiscal\_Tea | Fiscal Year |
|  | Grant\_Cou | Grant County |

**Outputs for Distance Analysis**

1. Map display:
   1. Feature used for analysis and
   2. All features selected from the analysis using symbology associated with each existing layer.
2. Image (jpg) of area of the analysis:
   1. <User\_defined\_output\_name>.jpg;
   2. Selected features using symbology associated with each existing layer; and
   3. Polygon defining the buffered area based on the user input.
3. Text file of selected layers (User\_defined\_output\_name>.txt)
4. Hypertext markup language (html) file:
   1. <User\_defined\_output\_name>\_AnalysisResults.html;
   2. Name of layer with number of features selected from analysis; and
   3. Attribute label for reporting and corresponding attribute.
5. Shapefile of each selected layer with selected features (<User\_defined\_output\_name>\_<Original \_layer\_name>)

**Outputs for Containment Analysis**

1. Map display:
   1. Feature used for analysis and
   2. All features selected from the analysis using symbology associated with each existing layer.
2. Image (jpg) of area of the analysis:
   1. <User\_defined\_output\_name>.jpg and
   2. Selected features using symbology associated with each existing layer.
3. Text file of selected layers (User\_defined\_output\_name>.txt)
4. Hypertext markup language (html) file:
   1. <User\_defined\_output\_name>\_AnalysisResults.html;
   2. Name of layer with number of features selected from analysis; and
   3. Attribute label for reporting and corresponding attribute.
5. Shapefile of each selected layer with selected features (<User\_defined\_output\_name>\_<Original \_layer\_name>)