



Class Location Analysis

Enhanced Value through Applied Analysis

Class Location Analysis

Class location analysis is a regulatory driven process used to ensure adequate levels pipeline integrity and public safety. Although class location results are used as an input factor in determining the pipe grade during pipeline design, class location results are also needed throughout the pipeline lifecycle as part of ongoing operation and maintenance of the pipeline system. Classes are tightly coupled to population density and are derived from the structures and gathering areas that surround pipeline infrastructure.

Integrated Informatics has built the Class Location Analyst for the purpose of enabling pipeline operators to automate class location analyses and using both the CSA Z662-03 and 40 CFR Part 192 regulations. Class Location Analyst works in conjunction with a geographic information system to streamline the analysis process for efficiently and effectively meeting regulatory requirements.

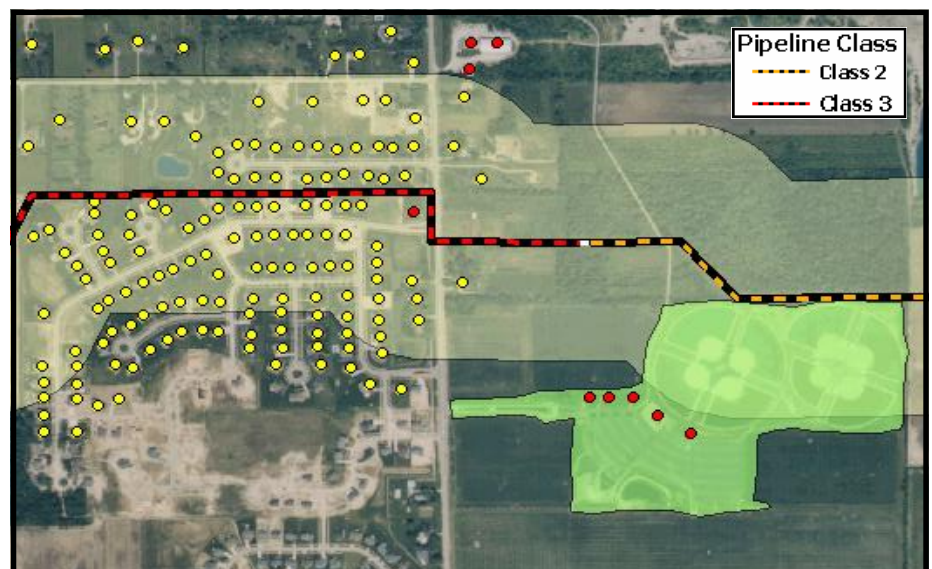
The implementation of the Class Location Analyst will lead to reduced data acquisition costs, improved workflow, and has proven to provide extensive cost savings through resource and time reduction.

Analysis Process

The Class Location Analyst contains modules for analyzing structures and gathering areas scenarios. The structure analysis classifies pipeline segments according to the density of occupied structures near the pipeline.

Once the tool calculates the assessment zones, it counts the number of structures within the regulated distance from the pipeline. Based on that count, class number and class location zones are determined.

The gathering areas analysis contains similar steps to the structures analysis with the main difference being that the presence of a gathering area (i.e. playground, park, school, etc.) within the regulated distance of a pipeline is cause enough to change the class regardless of the number of gathering areas.



The interface for the Class Location Analysis Tool allows the user to post the results directly to the GIS mapping interface, load the results to a company database, output the results to a set of geometry, or generate a report directly from the results.

Put our team to work for you! Our diverse suite of solutions is focused on establishing and enhancing the true value of GIS and applied data management in your organization.