Geospatial Technology Experts

2013: High River Flood Relief

Overview

To assist in the recovery from devastating floods that struck the Town of High River, Alberta in June 2013, Tervita Corporation subcontracted Team MNC-Silvacom to develop the Assessment Tracker solution and provide GIS services. Tervita was contracted by the Government of Alberta (GoA) to handle the assessment and remediation for the Town of High River. Team MNC-Silvacom was engaged by Tervita to assist in immediate GIS support and data management for the relief effort. Team MNC-Silvacom was also tasked with developing an application to help complete on-ground property assessments and to organize the remediation efforts.

Challenge

Tervita needed additional support to assist the Government of Alberta, insurance companies and the Town of High River in compiling, organizing and sharing data related to private and public assets in the Town of High River, in the aftermath of the floods.



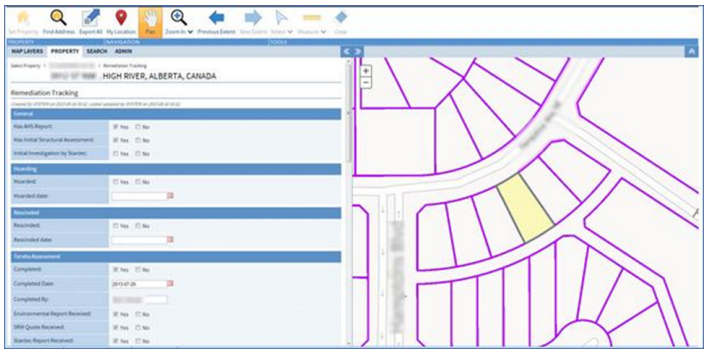


Solution

CS collaborated with Tervita and provided the application design, development and implementation to support data entry for the Town of High River. The web application (Esri's ArcGIS Platform) provided a centralized location for the collection, storage and retrieval of various types of property information.

Results

Map generation of recovery status and integration of other operational layers and base maps was facilitated using spatial data. Specific data requirements and workflows were integrated to assist ground-level recovery work. The final solution provided a spatial interface with forms and other controls that supported supervisors within the command office and crews using iPads, going door-to-door in the field to locate properties using a map-based viewer, assess damage, connect reclamation crews and coordinate with other departments or agencies.



About Silvacom CS

Silvacom Ltd. was established in 1983 and has been involved ever since in developing client-specific software for organizations to improve their processes and empower their organizations.