

2011 FLOOD ASSISTANCE

Manitoba Infrastructure and Transportation

Manitoba



Project Description

KGS Group was retained by MIT to provide emergency assistance throughout southern and central Manitoba during the flood of 2011. Work completed ranged from flood damage assessment to remediation and protection assistance including:

- Monitoring and technical direction for emergency repairs to 150 km of dikes along the Assiniboine River, site inspections and assessments were provided at key locations throughout southern Manitoba including Melita, Souris and Wawanesa. KGS Group also conducted stability modeling for the design and/or emergency raising of major dike systems including 18th Street in Brandon, St. Adolphe and St. Jean Baptiste.
- Design of remedial works for the failed riverbank at the Wawanesa Dam, inspection, emergency evaluation and seepage/stability modeling at the Portage Diversion Channel to allow for an increased discharge rate of 34,000 cfs, and mechanical improvements at the Portage Diversion Channel Control Structure.
- KGS Group was also responsible for other major work including the Lake Manitoba Shoreline Wave Attenuation design, design and construction supervision of the St. Laurent and the Dauphin River First Nation dikes, geotechnical evaluation of the existing dikes at Lake St. Martin First Nation, Little Saskatchewan First Nation, Amaranth and several other communities around Lake Manitoba.
- Currently involved with the investigations and design of the Lake St. Martin outlet channel to Lake Winnipeg.