



CLIENT
PALISADES PARK COUNTRY CLUB

LOCATION
COVERT, MICHIGAN

PALISADES PARK SHORELINE PROTECTION

The Palisades Park County Club (PPCC) is a half mile long reach of shoreline located on the eastern shore of Lake Michigan. PPCC is composed of both private waterfronts and shared beach areas. Over its 100 years in existence, the PPCC has implemented a variety of types of shoreline treatments intended to manage and limit shoreline erosion. However, the record high lake levels have led to unprecedented erosion beyond the capacity of the existing shoreline defences. The storm activity of Fall 2019/Winter 2020 has devastated the shoreline, threatening many of the historical family cottages and common beach areas. What was needed was a new approach to shore protection appropriate to withstand the higher-level wave energy now developing on the Lake.



Edgewater Resources was asked to study the entire PPCC shoreline which consisted of both establishing the competence of the existing protection and assessing its capacity to resist the increased energetic wave climate. Edgewater then formulated a plan for an integrated shore protection system, rather than the existing patchwork of less effective individual measures, to best combat the erosion danger. Edgewater summarized the findings and recommendations in a 40-page study report with condition survey exhibits, shoreline treatment concepts, and preliminary cost estimates for each concept. Edgewater was then tasked with providing preliminary design and permitting of the selected shoreline protection system and producing final design documents for construction of the shoreline protection system.



SERVICES: TOPOGRAPHIC SURVEY, PRELIMINARY
ENGINEERING, PERMITTING, FINAL ENGINEERING