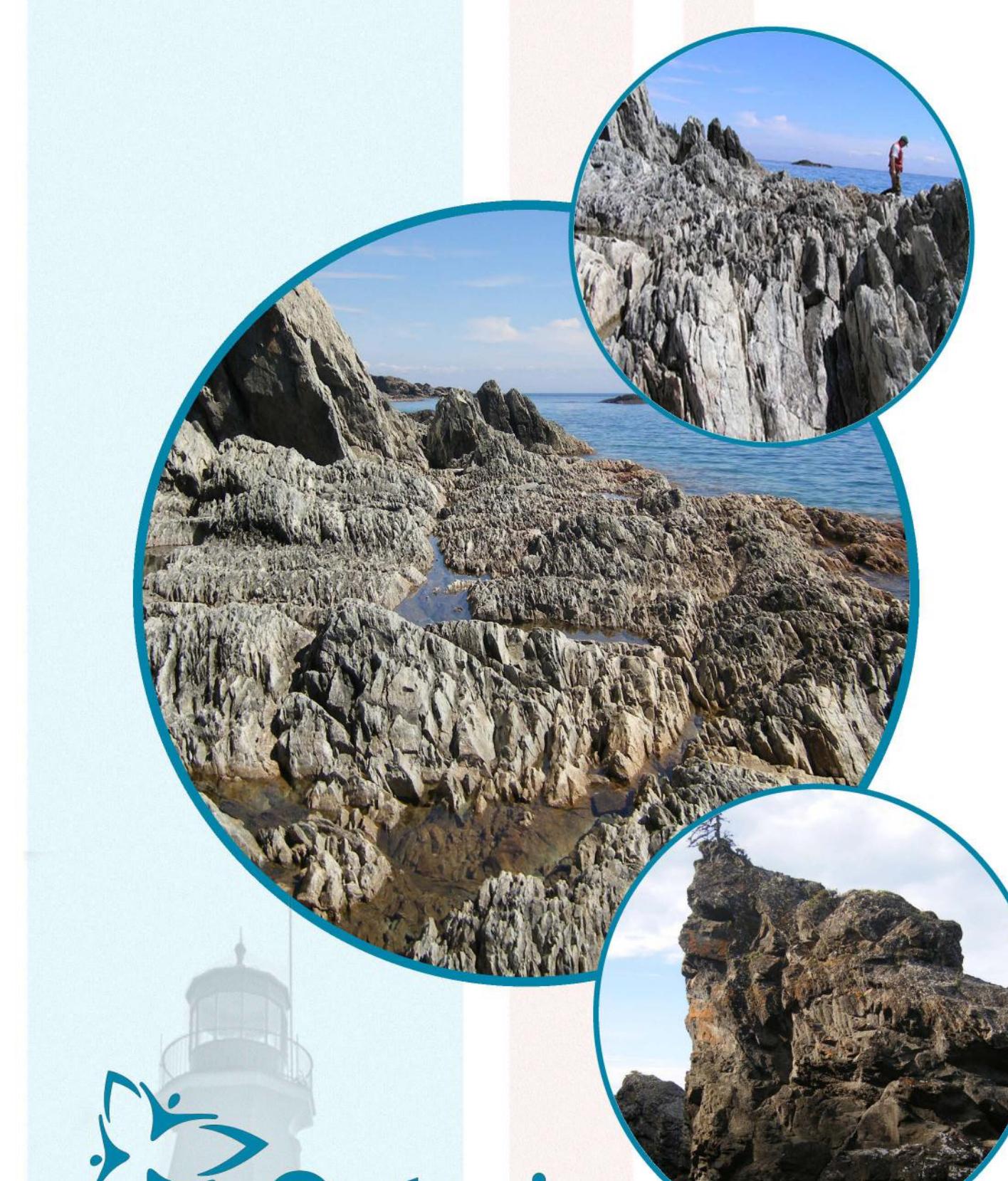


THE SLATE ISLANDS

INSTITUTE ON LAKE SUPERIOR GEOLOGY

Hollings, P., Smyk, M., Addison, B. and Fralick, P., 2006. Field trip guidebook for the Slate Islands. Institute on Lake Superior Geology, Special Publication 1, p. 21.

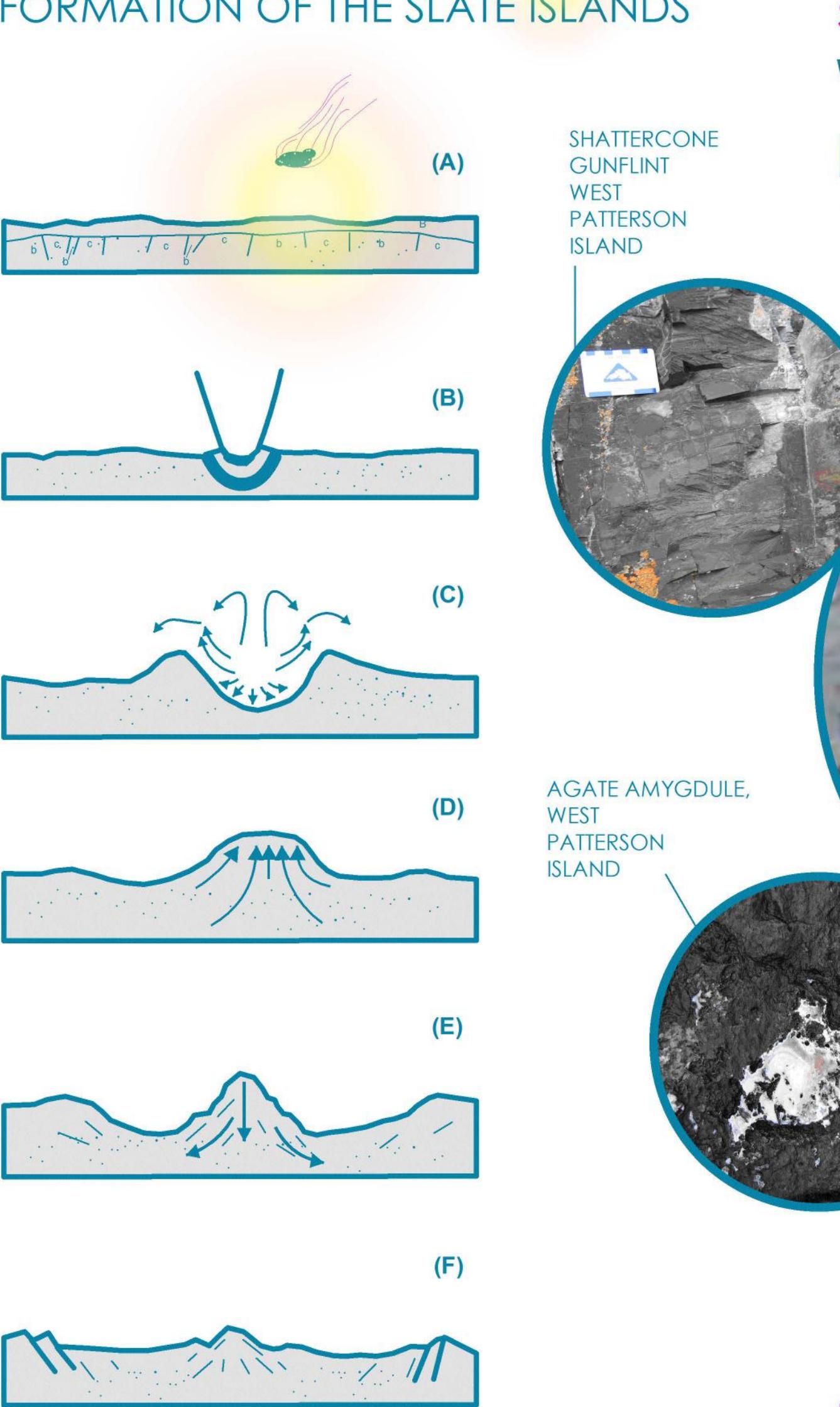
The Slate Islands lie approximately 12 km off the Northern shore of Lake Superior near Terrace Bay. They comprise a variety of Archean and Proterzoic rocks. In addition to the complex Bedrock geology, the islands have also been the focus of interest and debate because they are considered by some to represent the "Best-preserved, medium-sized, meteor impact Structure on Earth".



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FIELD TRIP GUIDEBOOK FOR THE SLATE ISLANDS, ONTARIO

FORMATION OF THE SLATE ISLANDS



STOP D WESTERN SHORE OF PATTERSON ISLAND

UTM COORDINATES - CA. 495965E 5387400N



STOP C HORACE COVE

UTM COORDINATES - 0497386E 538/206N



MORTIMER ISLAND

SHATTER CONE
GUNFLINT
WEST
PATTERSON
ISLANDDRAGON'S TAIL,
(INTERFLOW SANDSTONE)
WEST PATERSON ISLANDAGATE AMYGDULE,
WEST
PATERSON
ISLANDBRECCIA, WEST
PATERSON
ISLAND

(F)



(G)



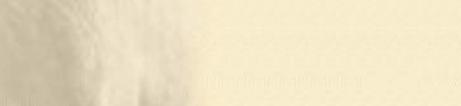
(H)



(I)



(J)



(K)

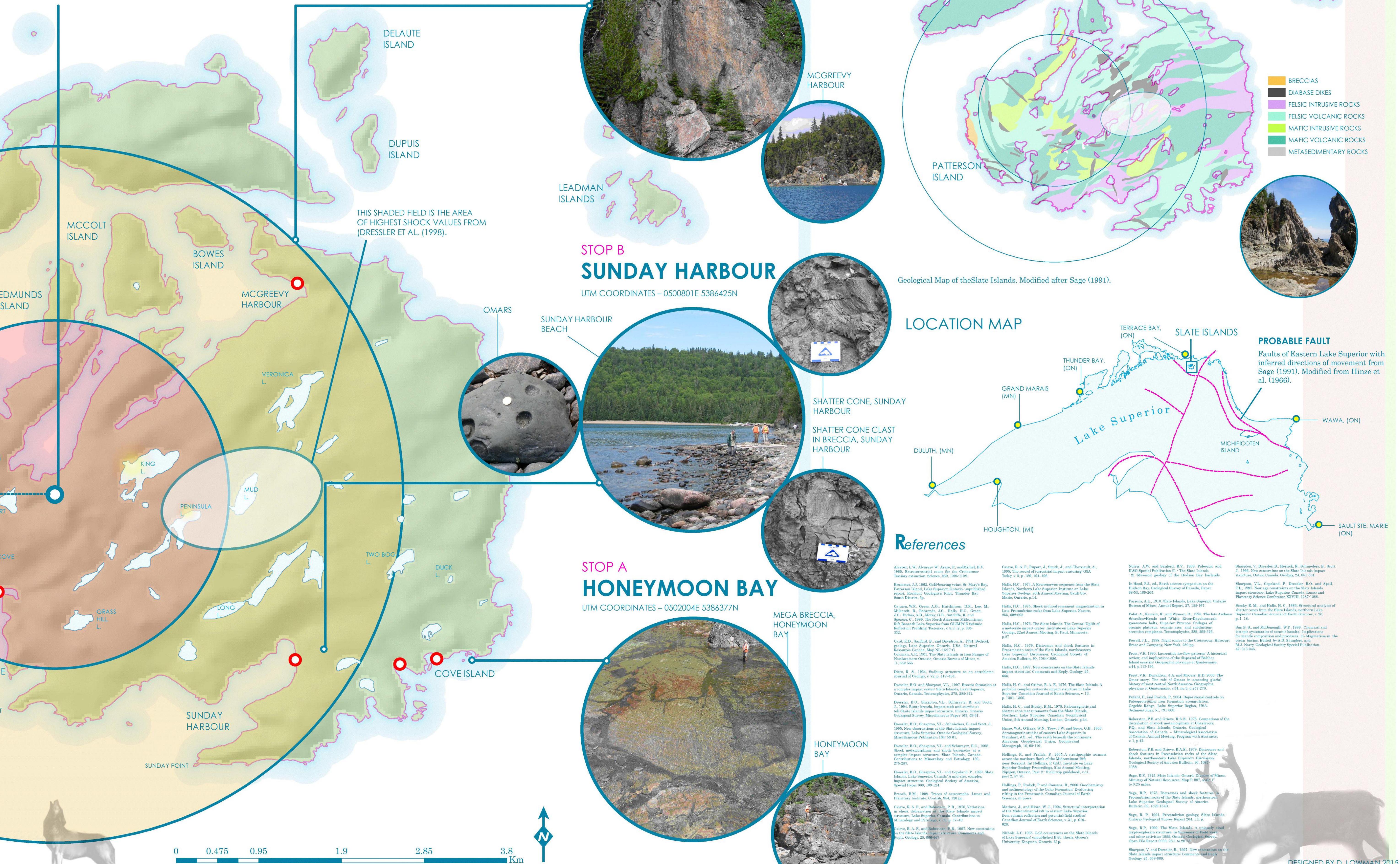


(L)



ESTIMATED SITE OF IMPACT

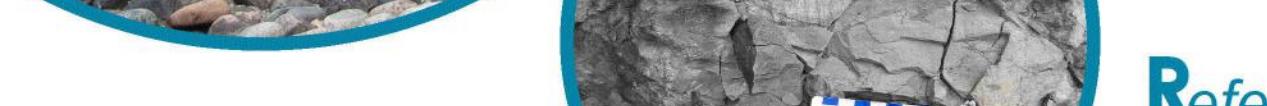
THE CIRCLED BUFFERS SHOW CONCENTRIC TRENDS OF COAST LINES AND STRUCTURAL ELEMENTS INDICATING CRATER CENTER ON WESTERN SIDE OF PATTERSON ISLAND.



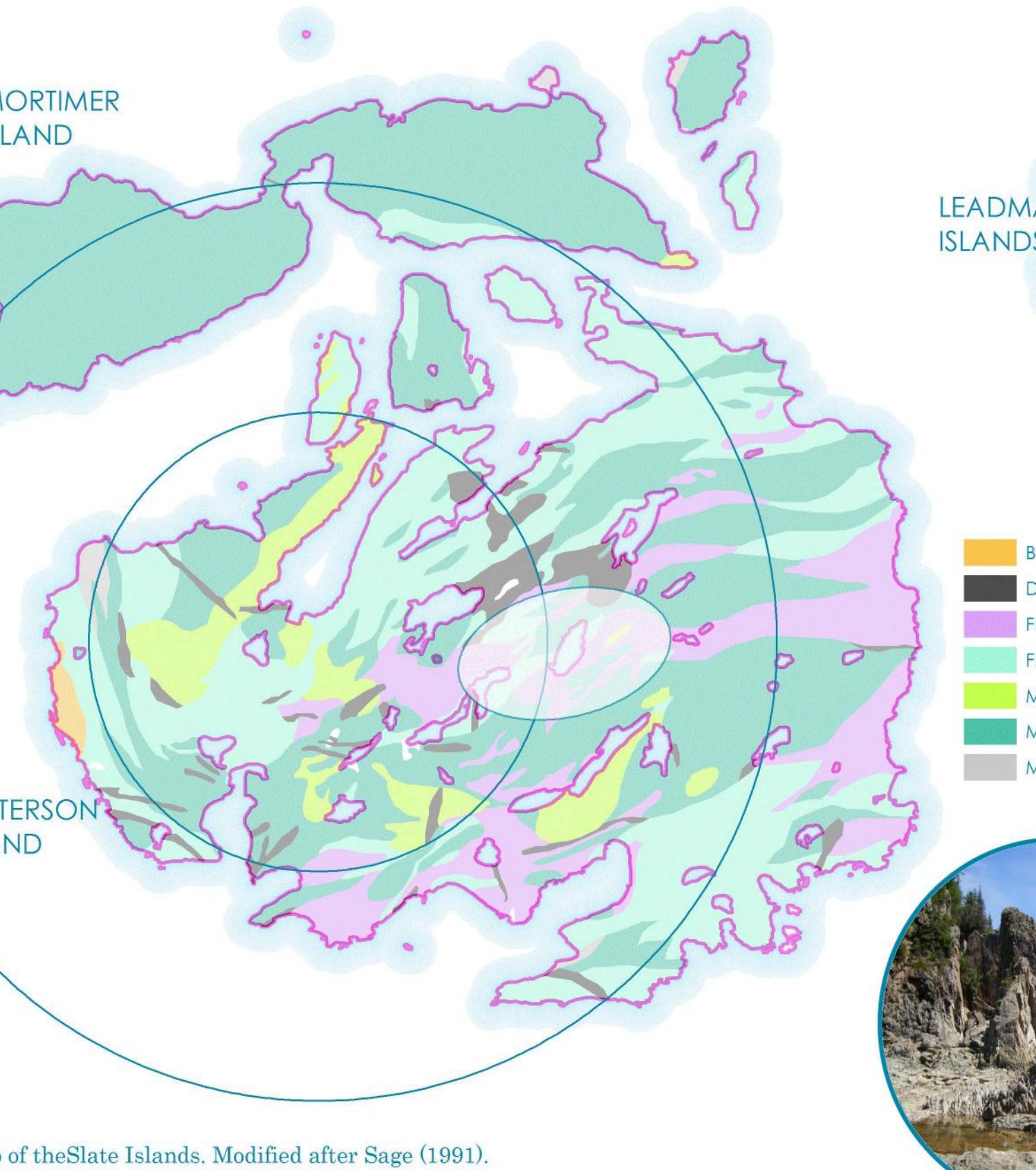
STOP E MCGREEVY HARBOUR

UTM COORDINATES - 500825E 5390752N

"WORLD'S LARGEST" SHATTER CONE, MCGREEVY HARBOUR



GEOLOGICAL MAP OF THE SLATE ISLANDS

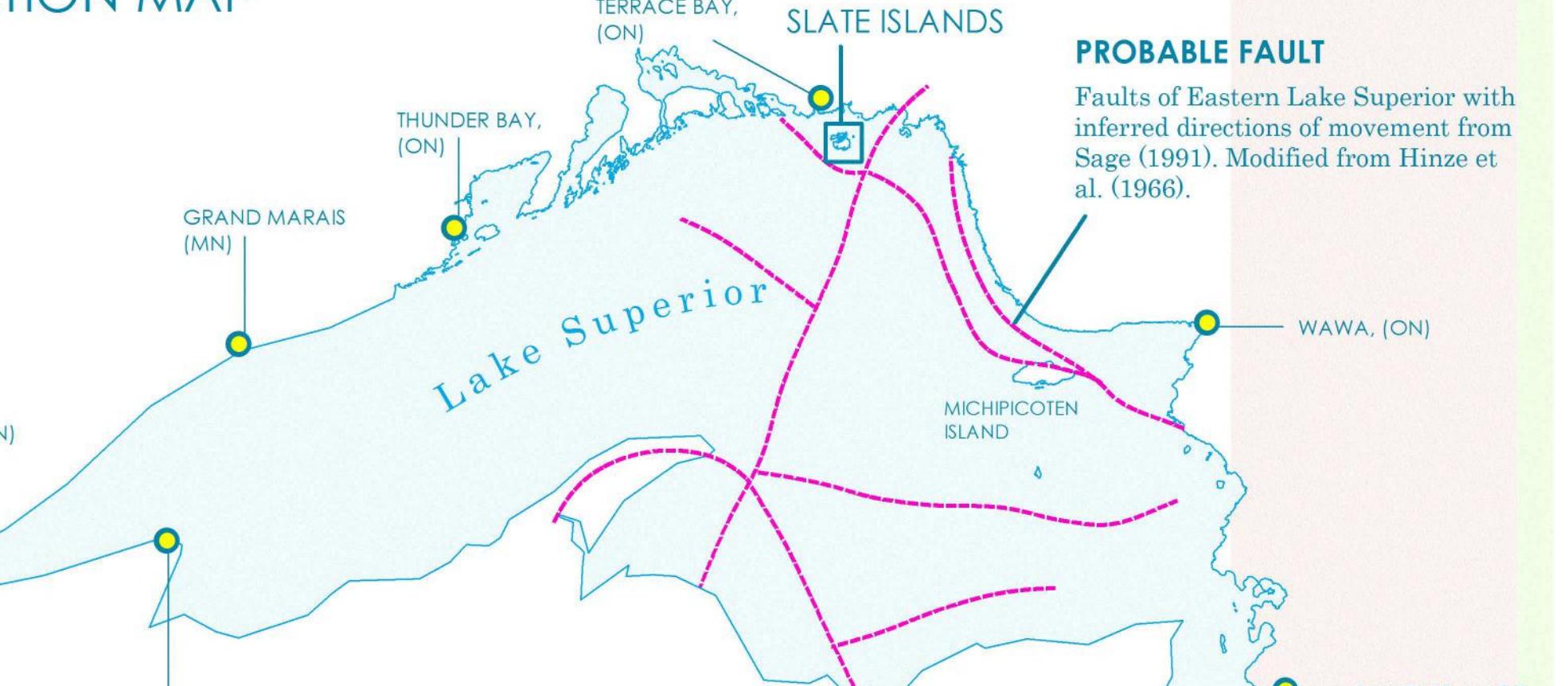


PROBABLE FAULT

Faults of Eastern Lake Superior with inferred directions of movement from Sage (1991). Modified from Hinze et al. (1966).



LOCATION MAP



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