

Recommendations for the TBD project in the Ottawa River



Subcommittee Participants:

Beth Sparks-Jackson, Cherie Blair, Kris Patterson, Alex Peters, Amanda Kovach, Amber Bellamy, Deborah Millsap, Jennie Branch, Jordan Rofkar, Lynn Ackerson

Beneficial Use Impairments (BUIs)

BUI 3a: Degradation of Fish Populations

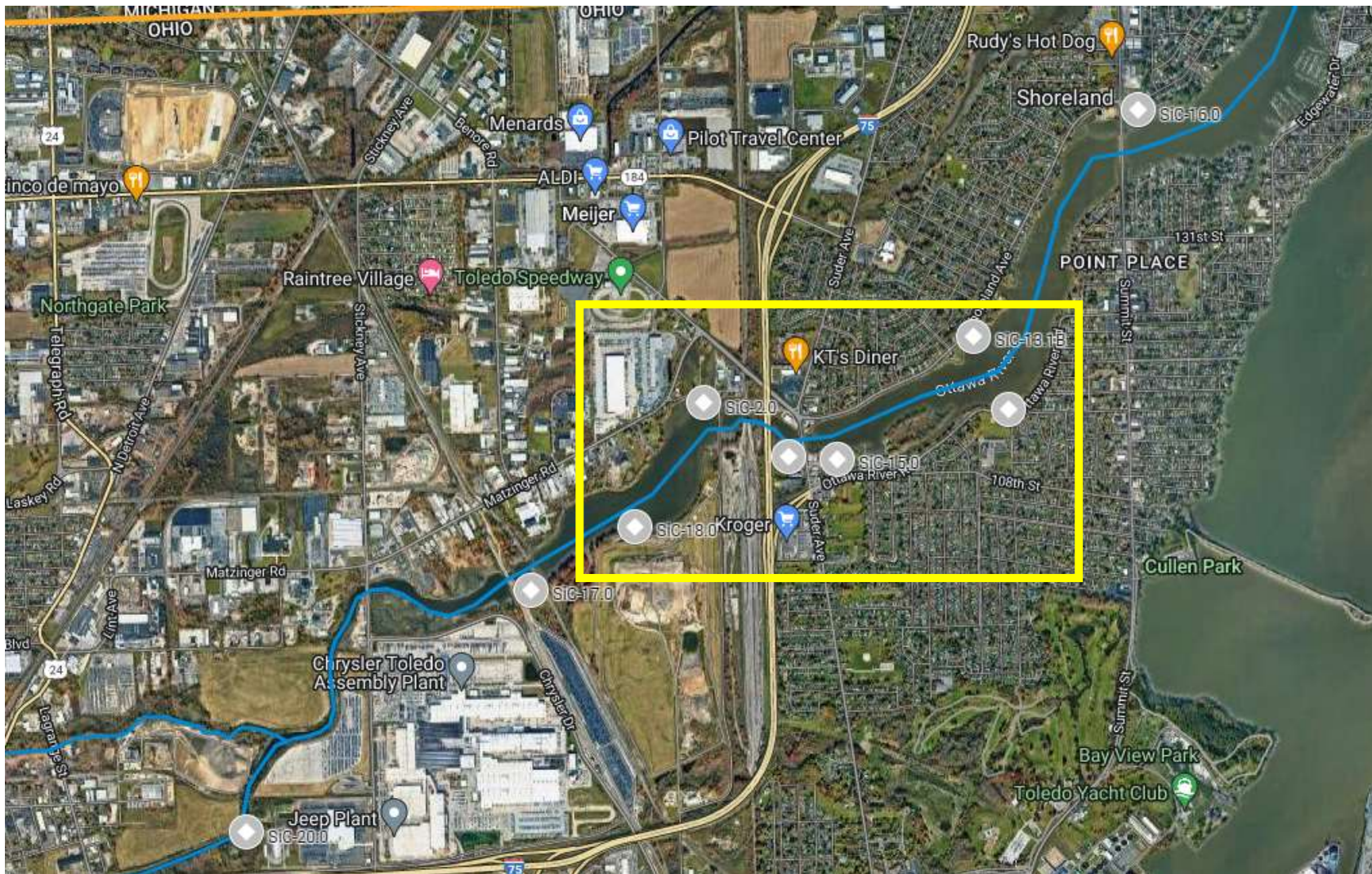
BUI 6: Degradation of Benthos

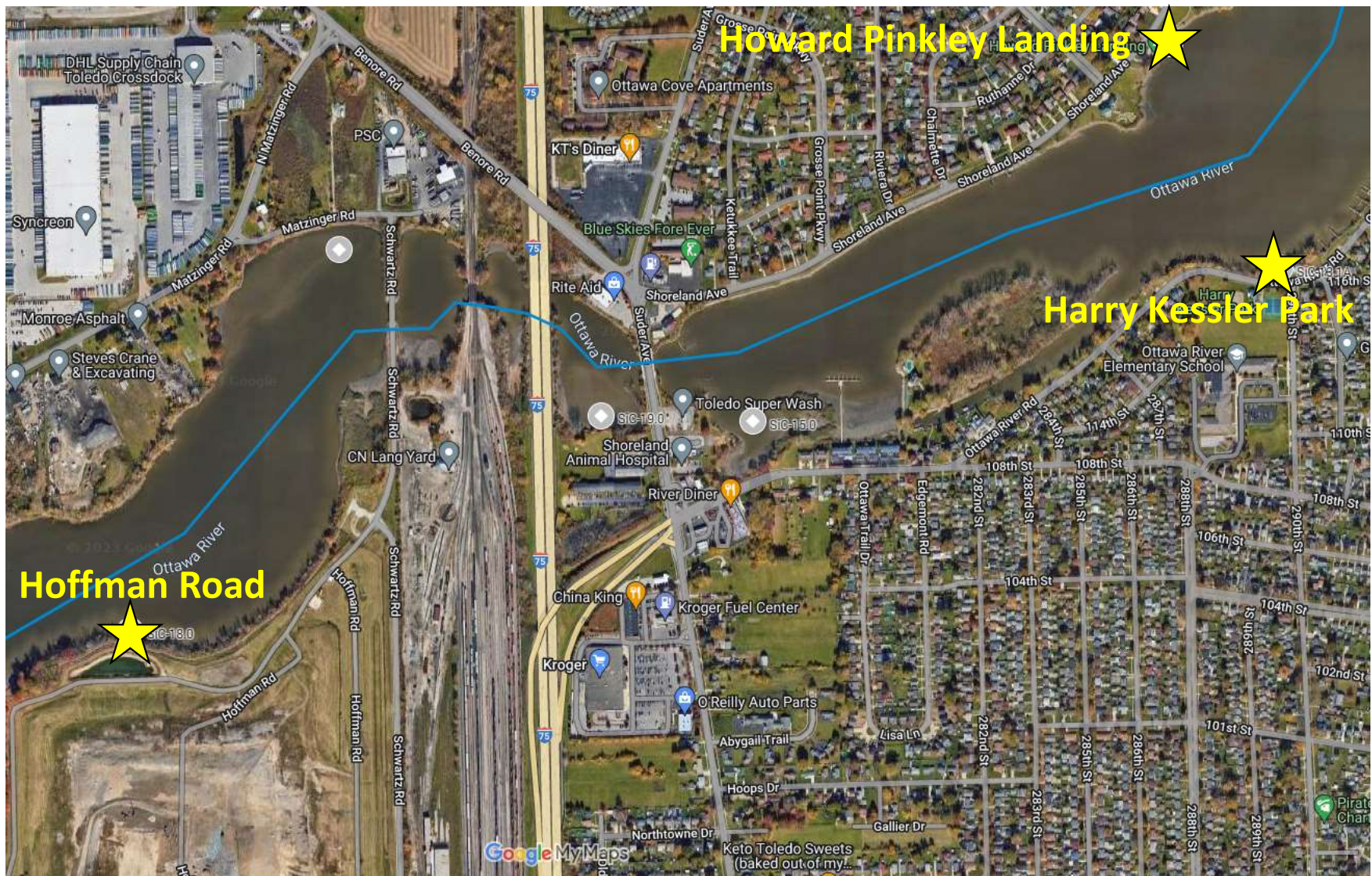
BUI 14a: Loss of Fish Habitat

BUI Status of the Lacustruary of the Ottawa River

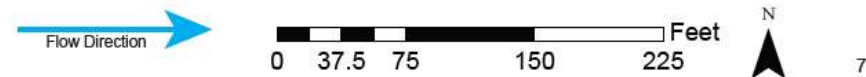
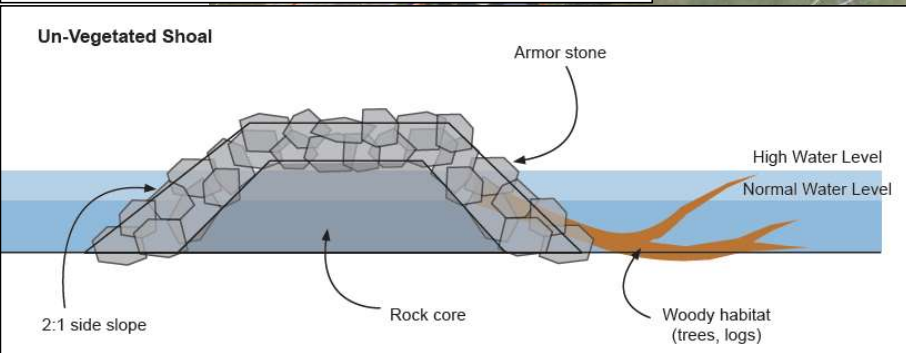
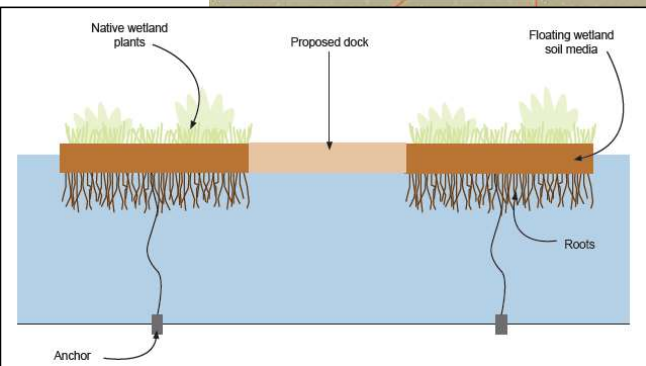
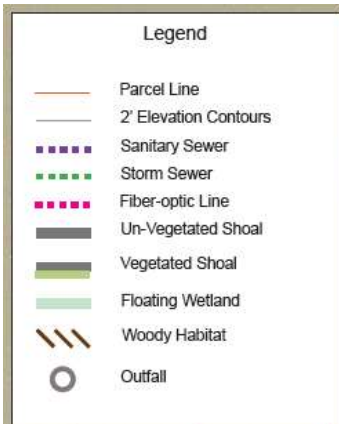
BUI	Pre sediment remediation	Post sediment remediation
BUI 3a: Fish Populations	Impaired	Impaired
BUI 6: Benthos	Impaired	Impaired
BUI 14a: Fish Habitat	Impaired	Impaired

Restoration projects addressing fish and benthic impairments are still necessary.

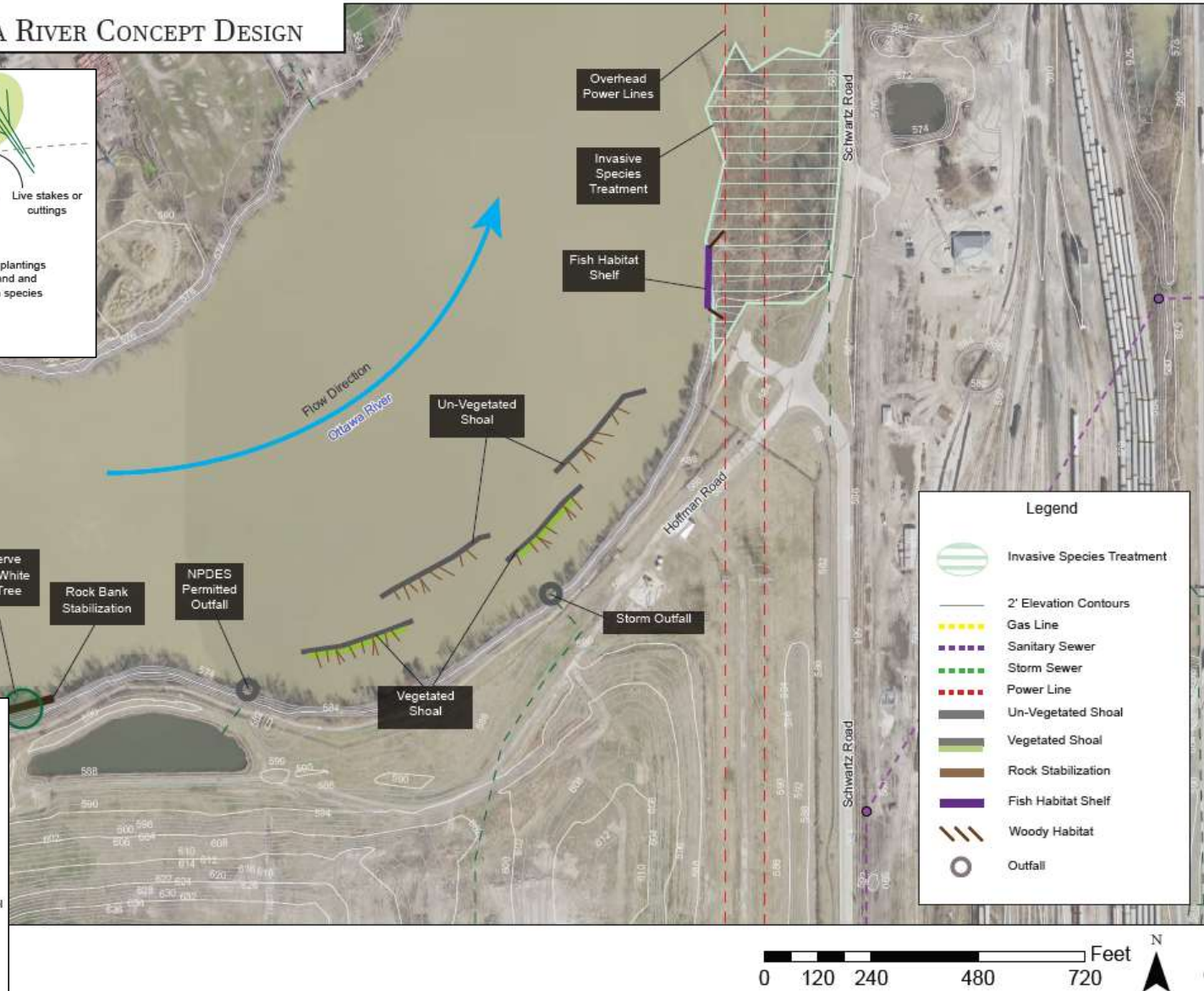
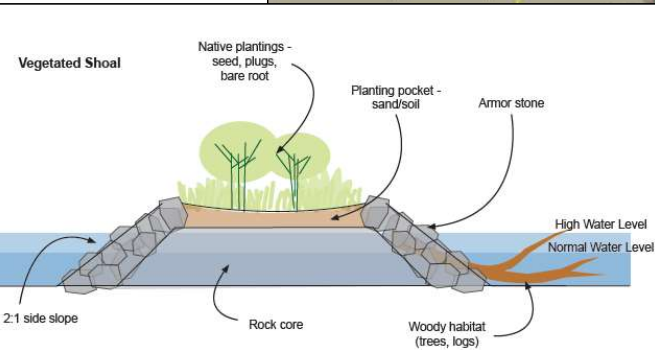
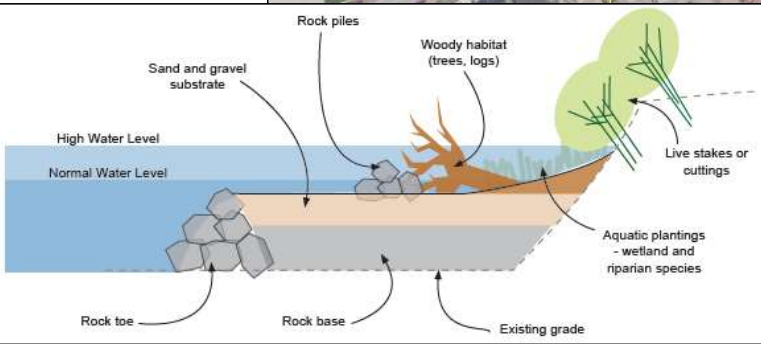




HARRY KESSLER PARK OTTAWA RIVER CONCEPT PLAN



HOFFMAN ROAD OTTAWA RIVER CONCEPT DESIGN



Key takeaways from concept plans and discussions:

- General:

- Create fish and benthic habitat in the water column
- Create habitat diversity in the Lower Ottawa River, especially hard substrate
- Where necessary, control invasive species
- All projects would have good public visibility, and some have direct educational opportunities
- Still some unknowns about each project

- Site specific:

- Hoffman Road site most difficult logistically and concern about installing fish shelf
- Hoffman Road site has remarkable in-stream woody habitat, but also *Phragmites* concerns
- Harry Kessler Park requires staging area offsite
- Savings by combining Harry Kessler Park and Howard Pinkley Landing sites

Key takeaways from concept plans and discussions (cont.):

Budget Considerations

Est. Total Project Cost:

Harry Kessler: \$1,765,000

Hoffman Road: \$4,673,000

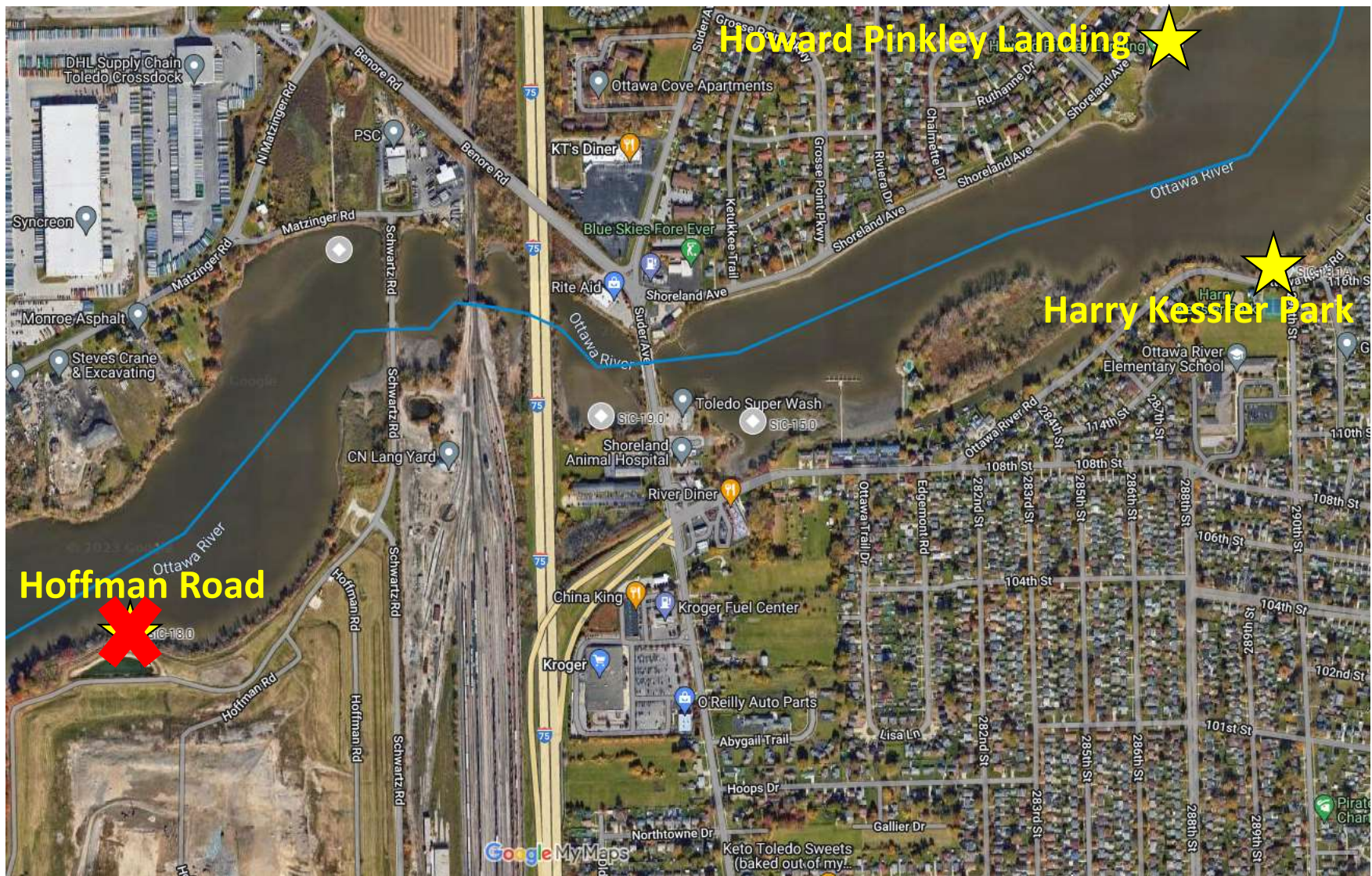
Est. Total Engineering,
Design, and Permitting:

Harry Kessler \$246,000

Hoffman Road: \$389,000

Subcommittee's E&D recommendation

Item Description	Total Amount
Permit Allowance	\$50,000
Mussel Survey allowance	\$40,000
HEC-RAS and Sediment Modeling	\$30,000
Site Assessment, Wetland Delineation, Cultural Resources	\$20,000
Topographic Survey/Bathymetric Survey/Sub-bottom Profiling	\$75,000
QAPP Preparation	\$7,000
Project Engineering and Design	\$150,000
Legal, Grant, and Project Administration	\$28,000
Engineering, Design, and Permitting Total	\$400,000



Subcommittee's recommendation to the MAAC:

Approve one \$3 million project (Improvements to Nearshore Aquatic Habitat in the Lower Ottawa River [SiC-13.1]). The project is located near Harry Kessler Park with the potential to expand to Howard Pinkley Landing if found to be feasible and affordable during engineering and design. These projects are separate restoration sites, but nearby each other (across the river), at river mile 2.5 of the Ottawa River. It is estimated that \$400,000 would be needed to fund Engineering and Design, with the remaining \$2,600,000 to be allocated to implementation/construction.

The subcommittee is asking the MAAC to vote to either accept our recommendation or to offer a revision to the Subcommittee's recommendation.