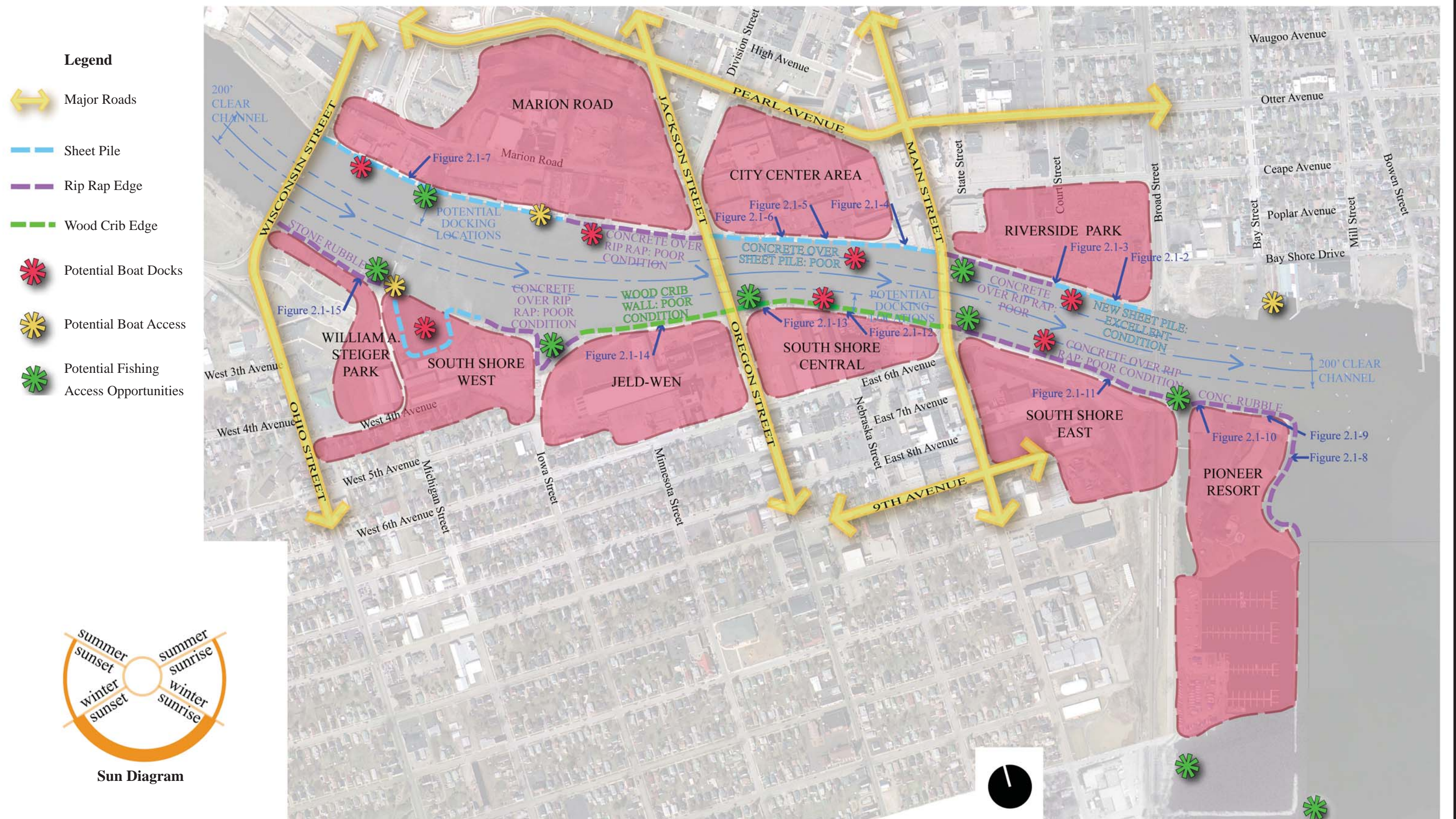


Existing Conditions



2.0 EXISTING CONDITIONS



2.1 SHORELINE DESCRIPTIONS

The analysis of the existing conditions start from the west at the Wisconsin Street Bridge and ends to the east at Lake Winnebago. There are 9 redevelopment zones considered at the time of these Design Guidelines. The redevelopment zones as labeled are: Marion Road, City Center Area, Riverside Park, William A. Steiger Park, South Shore West, Jeld-Wen, South Shore Central, South Shore East, and Pioneer Resort.

The existing conditions of the north shoreline of Fox River from the Wisconsin Street Bridge to Lake Winnebago.

- Variety of retaining wall types. Marion Road (Figure 2.1-2).
- Cantilevered concrete platform over water steel pile supports. City Center Area (Figure 2.1-3).
- Cantilevered concrete seawall on steel pile supports. City Center Area (Figure 2.1-4).
- Steel sheet pile with concrete boardwalk and concrete bollards; suspended fixed wooden deck. Hotel (Figure 2.1-5).
- Wood pile and wood retaining wall with concrete walk. Riverside Park (Figure 2.1-6).
- Steel sheet pile with cap plate and horizontal wood bumpers. Riverside Park (Figure 2.1-7).



Figure 2.1-2

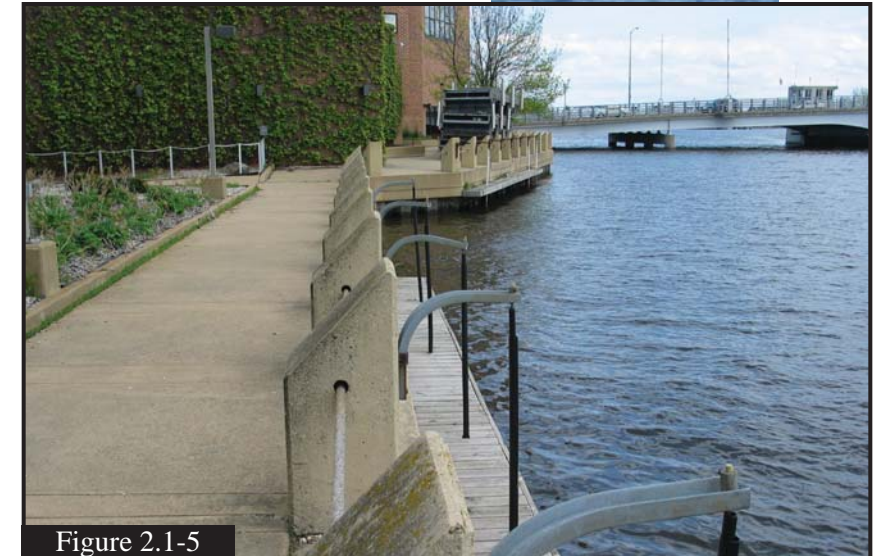


Figure 2.1-5



Figure 2.1-3



Figure 2.1-6



Figure 2.1-4

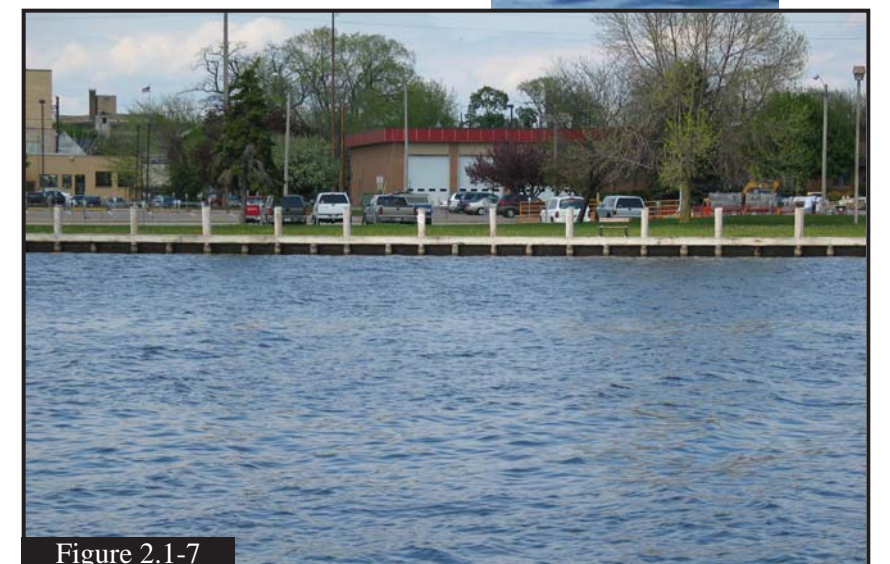


Figure 2.1-7

2.0 EXISTING CONDITIONS

The existing conditions of the south shoreline of Fox River from the Wisconsin Street Bridge to Lake Winnebago.

- Vegetated and rock rip-rap shoreline. William A. Steiger Park (Figure 2.1-8).
- Damaged wood piles; retaining wall. Jeld-Wen (Figure 2.1-9).
- Wood pile and wood retaining wall. South Shore Central (Figure 2.1-10).
- Marine with fixed wood finger docks. South Shore Central (Figure 2.1-11).
- Rip-rap shoreline with informal concrete cap (unformed). South Shore East (Figure 2.1-12).
- Vegetated; rock rip-rap shoreline mix. Pioneer Resort (Figure 2.1-13).
- Foreground broken concrete; background cast-in-place concrete retaining wall. Pioneer Resort (Figure 2.1-14).
- Broken concrete 'rip-rap' shoreline. Pioneer Resort (Figure 2.1-15).
- Wood pile seawall. Pioneer Resort (Figure 2.1-16).

2.2 RIVER CONDITIONS

- Seasonal changes in river elevation range from 1.68' to 3.0' (based on Menasha Dam gage).
- Storm driven waves need to be included in design. Generally waves are reduced as distance from Lake Winnebago increases (Figure 2.2-1).
- River ice floating downstream needs to be included in design if docks remain in water over winter.
- River flow, generally less than 2 knots but continual source of wave action, must be included in anchorage design (Figure 2.2-2).



Figure 2.1-8



Figure 2.1-11



Figure 2.1-9

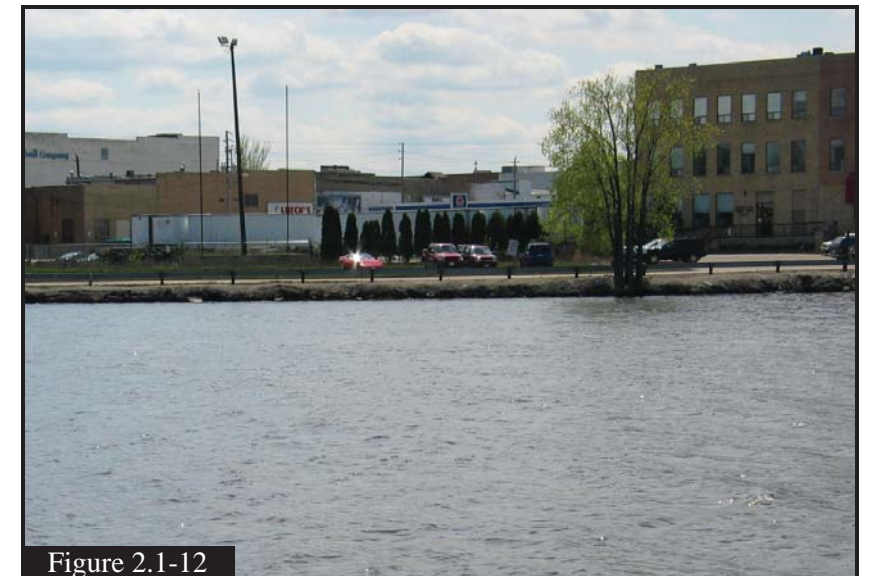


Figure 2.1-12

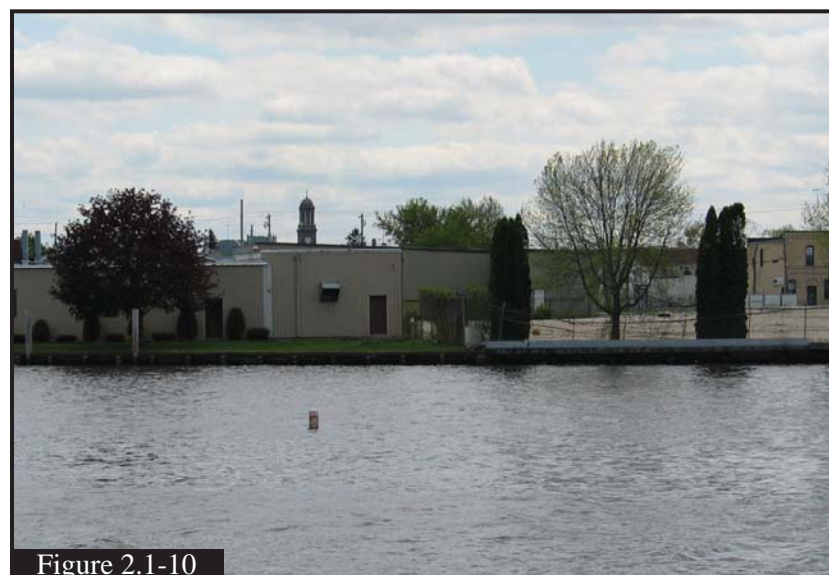


Figure 2.1-10



Figure 2.1-13



Figure 2.1-14



Figure 2.1-15



Figure 2.1-16



Figure 2.2-1

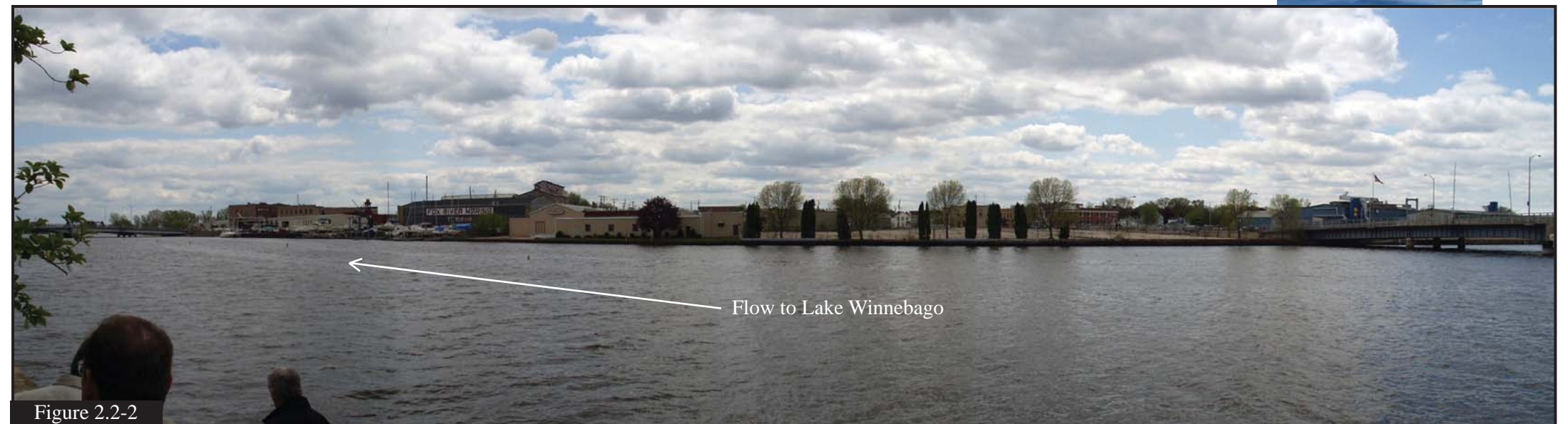


Figure 2.2-2