

Lower Wabash River Freshwater Mussel Survey

Wabash River, Illinois and Indiana

January 2022

Prepared for:



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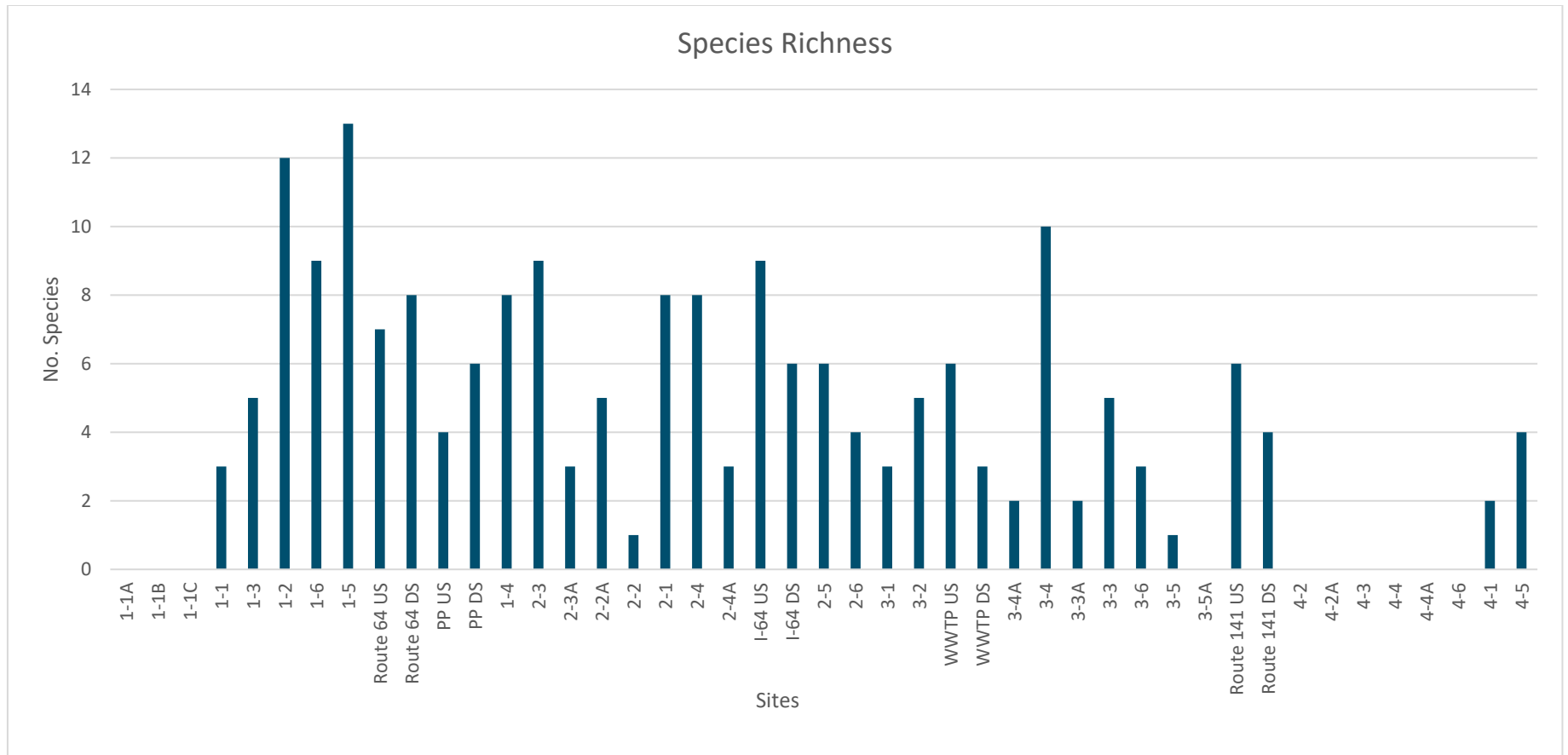


Figure 3. Abundance of Live Mussel Species Collected per Site, Wabash River, Illinois, and Indiana, 2021. Sites are Listed in Order from Upstream to Downstream.

Table 44. Mussels Collected from all Survey Sites, Wabash River, Illinois, and Indiana, 2021.

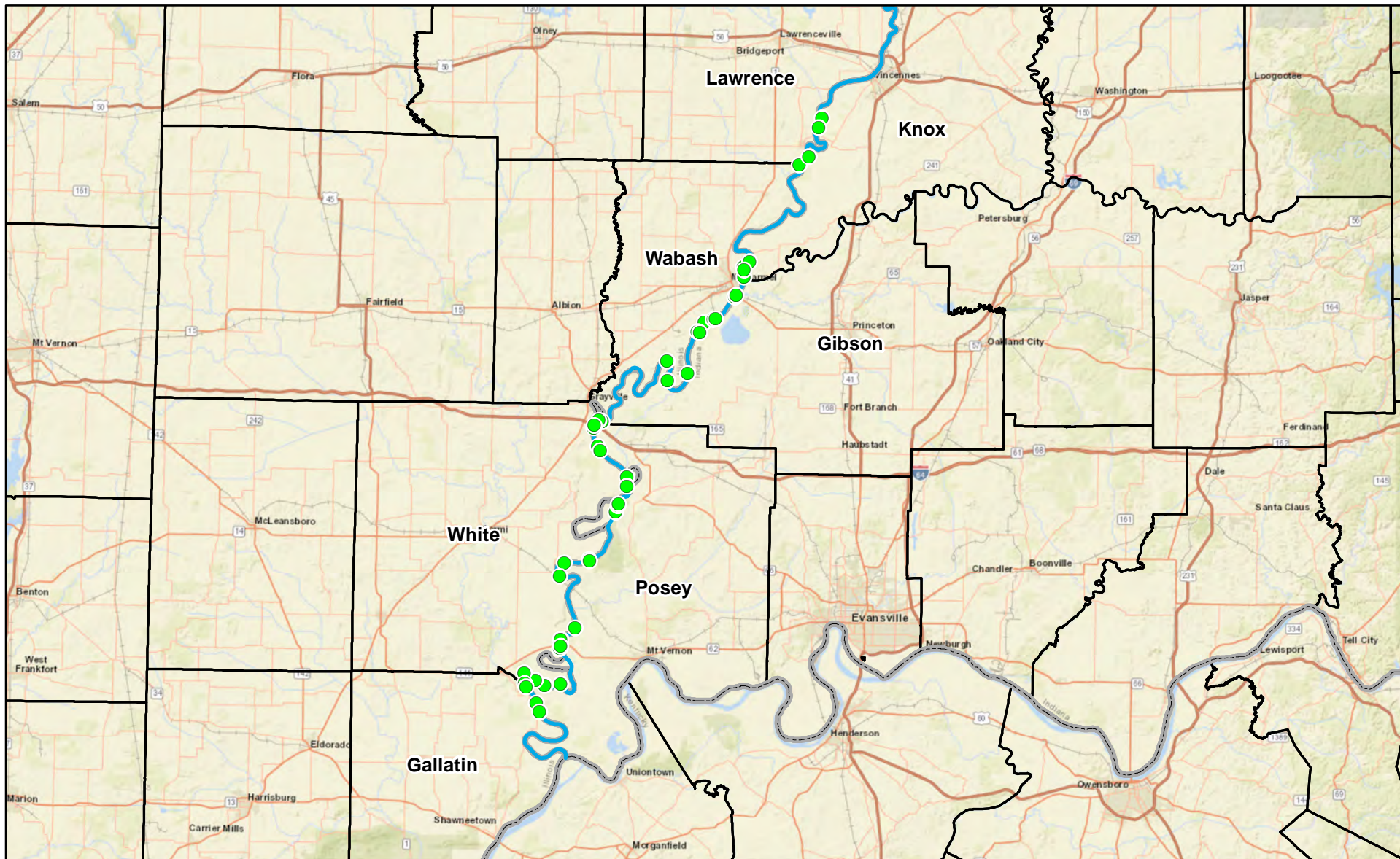
Species		Status			Total			
Scientific Name	Common Name	Federal ¹	Illinois ¹	Indiana ¹	Total ²	Relative Abundance ²	CPUE	No. Sites
<i>Actinonaias ligamentina</i>	Mucket	-	-	-	WD	WD	-	0
<i>Amblema plicata</i>	Threeridge	-	-	-	24	2.7%	0.11	3
<i>Arcidens confragosus</i>	Rock Pocketbook	-	-	-	WD	WD	-	0
<i>Cyclonaias nodulata</i>	Wartyback	-	-	-	8	0.9%	0.04	7
<i>Cyclonaias pustulosa</i>	Pimpleback	-	-	-	31	3.5%	0.14	7
<i>Cyclonaias tuberculata</i>	Purple Wartyback	-	T	-	SF	SF	-	0
<i>Cyprogenia stegaria</i>	Fanshell	E	E	E	SF	SF	-	0
<i>Ellipsaria lineolata</i>	Butterfly	-	T	-	SF	SF	-	0
<i>Elliptio crassidens</i>	Elephantear	-	E	SSC	WD	WD	-	0
<i>Epioblasma rangiana</i>	Northern Riffleshell	E	E	E	SF	SF	-	0
<i>Epioblasma torulosa</i>	Tuberclad Blossom	E	E	E	SF	SF	-	0
<i>Epioblasma triquetra</i>	Snuffbox	E	E	E	SF	SF	-	0
<i>Eurynia dilatata</i>	Spike	-	E	SSC	SF	SF	-	0
<i>Fusconaia flava</i>	Wabash Pigtoe	-	-	-	WD	WD	-	0
<i>Lampsilis cardium</i>	Plain Pocketbook	-	-	-	3	0.3%	0.01	1
<i>Lampsilis ovata</i>	Pocketbook	-	-	SSC	1	0.1%	0.00	1
<i>Lampsilis siliquoidea</i>	Fatmucket	-	-	-	SF	SF	-	0
<i>Lampsilis teres</i>	Yellow Sandshell	-	-	-	2	0.2%	0.01	2
<i>Lasmigona complanata</i>	White Heelsplitter	-	-	-	2	0.2%	0.01	2
<i>Leptodea fragilis</i>	Fragile Papershell	-	-	-	80	9.0%	0.37	24
<i>Ligumia recta</i>	Black Sandshell	-	-	SSC	SF	SF	-	0
<i>Megalonaias nervosa</i>	Washboard	-	-	-	4	0.5%	0.02	3
<i>Obliquaria reflexa</i>	Threehorn Wartyback	-	-	-	254	28.6%	1.16	21

Table 44. Mussels Collected from all Survey Sites, Wabash River, Illinois, and Indiana, 2021.

Species		Status			Total			
Scientific Name	Common Name	Federal ¹	Illinois ¹	Indiana ¹	Total ²	Relative Abundance ²	CPUE	No. Sites
<i>Obovaria olivaria</i>	Hickorynut	-	-	-	40	4.5%	0.18	9
<i>Obovaria retusa</i>	Ring Pink	E	E	E	SF	SF	-	0
<i>Obovaria subrotunda</i>	Round Hickorynut	-	-	E	SF	SF	-	0
<i>Plethobasus cicatricosus</i>	White Wartyback	E	E	SX	SF	SF	-	0
<i>Plethobasus cooperianus</i>	Orangefoot Pimpleback	E	E	SX	SF	SF	-	0
<i>Plethobasus cyphus</i>	Sheepnose	E	E	E	SF	SF	-	0
<i>Pleurobema clava</i>	Clubshell	E	E	E	SF	SF	-	0
<i>Pleurobema cordatum</i>	Ohio Pigtoe	-	E	SSC	WD	WD	-	0
<i>Pleurobema rubrum</i>	Pyramid Pigtoe	-	-	-	WD	WD	-	0
<i>Pleurobema sintoxia</i>	Round Pigtoe	-	-	-	SF	SF	-	0
<i>Potamilus alatus</i>	Pink Heelsplitter	-	-	-	12	1.4%	0.05	7
<i>Potamilus capax</i>	Fat Pocketbook	E	E	E	137	15.4%	0.63	23
<i>Potamilus ohioensis</i>	Pink Papershell	-	-	-	125	14.1%	0.57	31
<i>Ptychobranchnus fasciolaris</i>	Kidneyshell	-	E	SSC	SF	SF	-	0
<i>Pyganodon grandis</i>	Giant Floater	-	-	-	2	0.2%	0.01	1
<i>Quadrula quadrula</i>	Mapleleaf	-	-	-	78	8.8%	0.36	19
<i>Reginaia ebenus</i>	Ebonysell	-	E	SSC	7	0.8%	0.03	3
<i>Strophitus undulatus</i>	Creeper	-	-	-	WD	WD	-	0
<i>Theliderma cylindrica</i>	Rabbitsfoot	T	E	E	SF	SF	-	0
<i>Theliderma metanevra</i>	Monkeyface	-	T	-	4	0.5%	0.02	4
<i>Toxolasma parvum</i>	Lilliput	-	-	-	1	0.1%	0.00	1
<i>Tritogonia verrucosa</i>	Pistolgrip	-	-	-	52	5.9%	0.24	14
<i>Truncilla donaciformis</i>	Fawnsfoot	-	-	-	7	0.8%	0.03	3

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Scientific Name	Common Name	Federal ¹	Illinois ¹	Indiana ¹	Total ²	Relative Abundance ²	CPUE	No. Sites
<i>Truncilla truncata</i>	Deertoe	-	-	-	12	1.4%	0.05	6
<i>Utterbackia imbecillis</i>	Paper Pondshell	-	-	-	1	0.1%	0.00	1
<i>Utterbackiana suborbiculata</i>	Flat Floater	-	-	-	FD	FD	-	0
Total					887	100.0%	4.05	45
Live Species Richness					23			
Total Species Richness					49			
CPUE					4.1			
No. Juveniles					404			
% Recruitment					45.5%			
No. Fresh Dead					175			
% Mortality					16.5%			
Total Person Hours					219			
¹ E = Endangered, T = Threatened, SSC = State Special Concern, SX = State Extirpated ² FD = Fresh Dead Shell, WD = Weathered Dead Shell, SF = Subfossil Shell								





Legend

- Survey Location
- Wabash River
- County Boundary
- State Boundary

N

0 10 20
Kilometers

Scale: 1:787,400

**Illinois Department of Natural Resources
Lower Wabash River Freshwater Mussel Survey**

Map 2
Overview of the Wabash River and Survey Locations within
Illinois and Indiana.