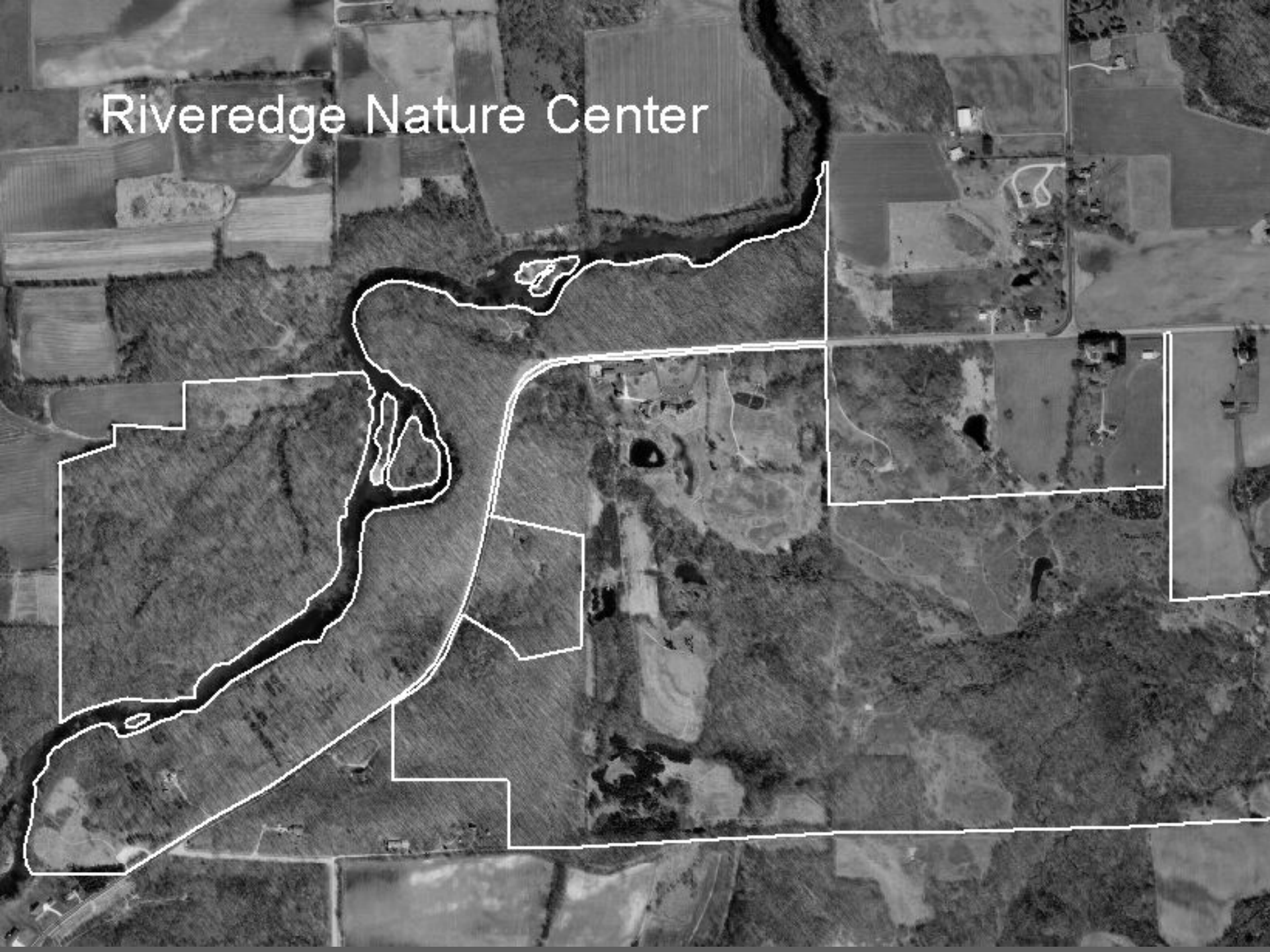
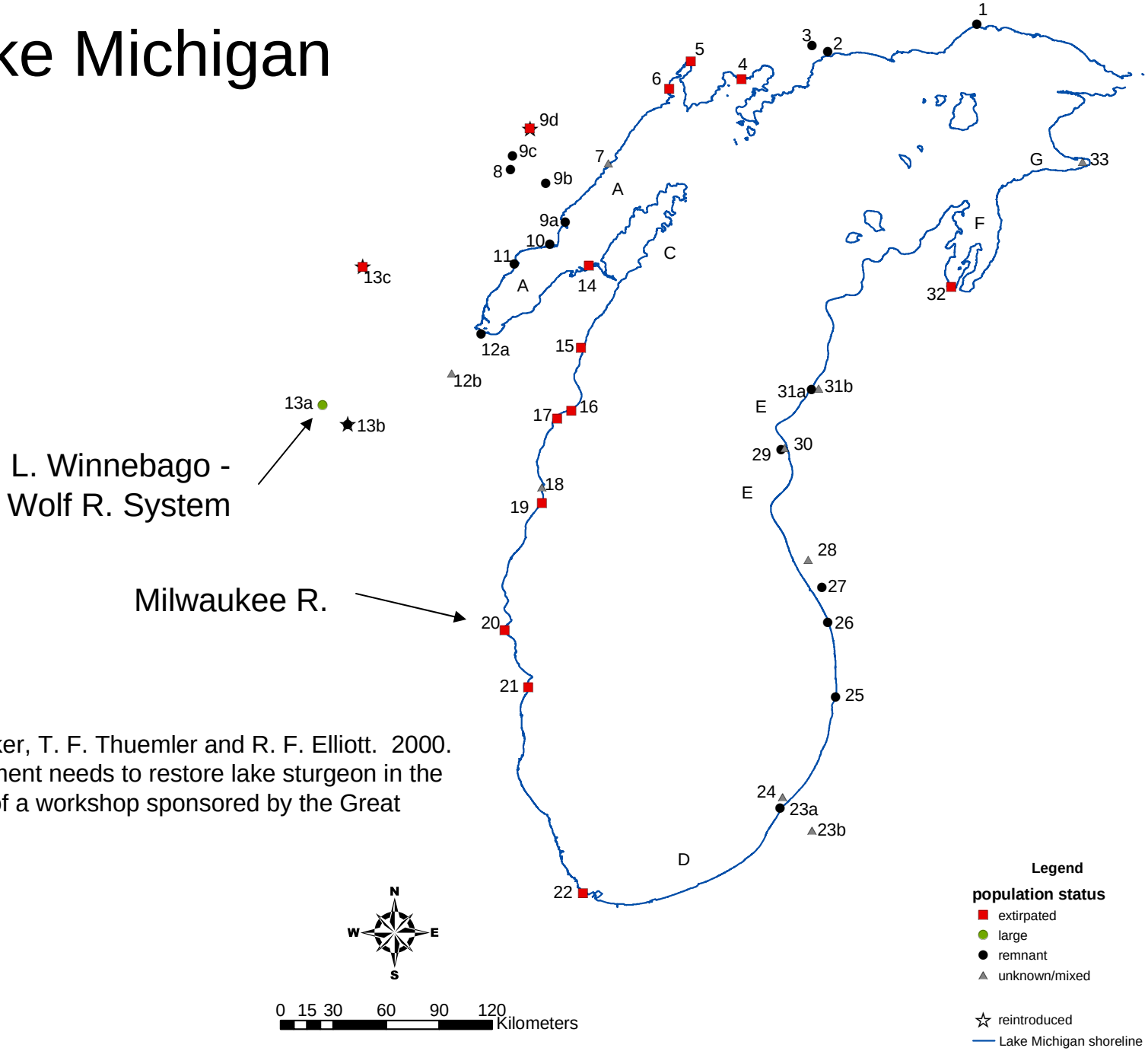
RIVEREDGE NATURE CENTER

Re-establishing a Breeding Population of Lake Sturgeon in the Milwaukee River

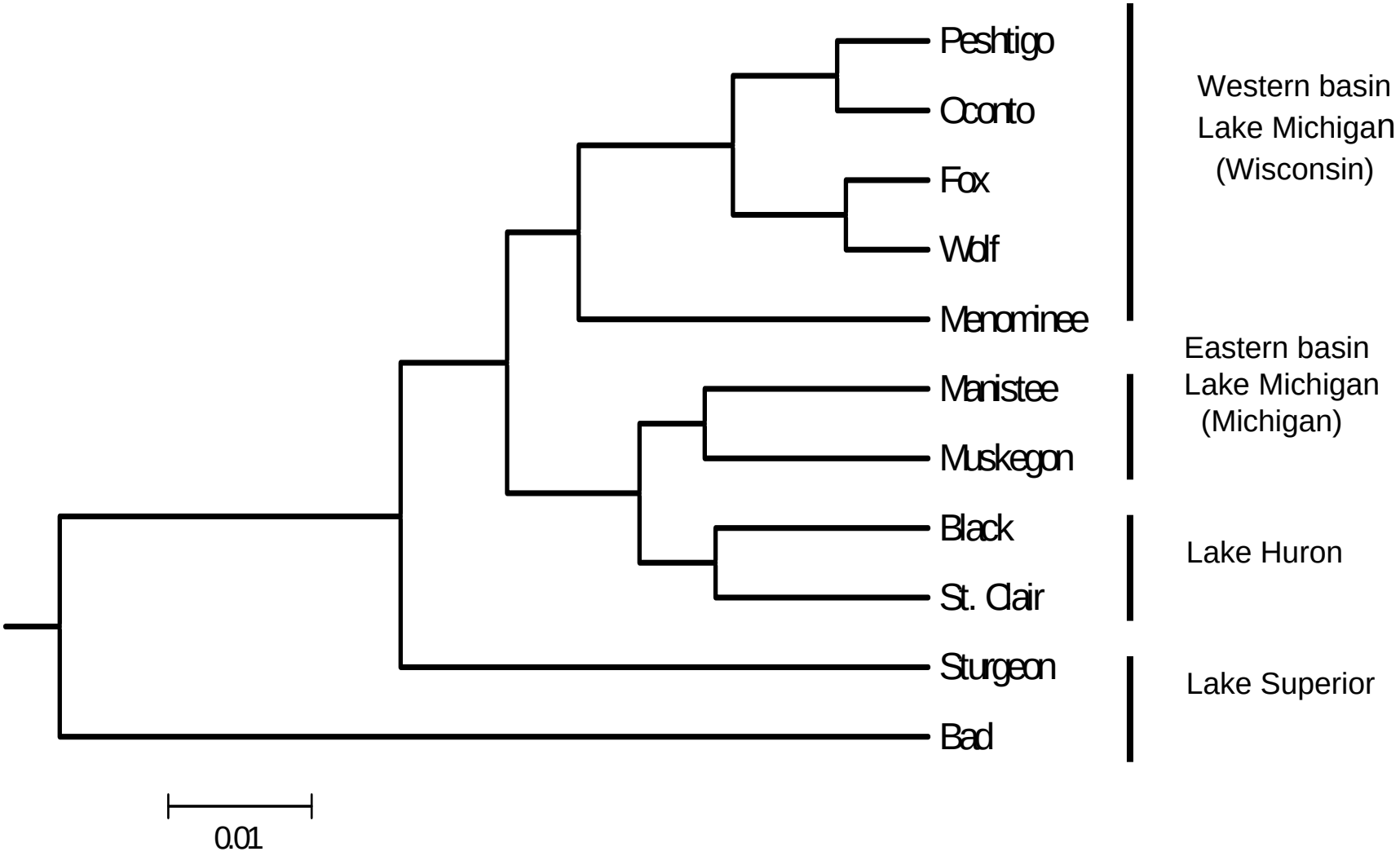
RETURN OF THE
STURGEON
riveredge
NATURE CENTER


Riveredge Nature Center

Lake Michigan



Holey, M. E., E. A. Baker, T. F. Thuemler and R. F. Elliott. 2000. Research and assessment needs to restore lake sturgeon in the Great Lakes: Results of a workshop sponsored by the Great Lakes Fishery Trust.



Neighbor joining tree describing genetic affinities among all sampled lake sturgeon breeding populations in the upper Great Lakes. Populations cluster as a function of lake basin and within Lake Michigan by location within the basin.

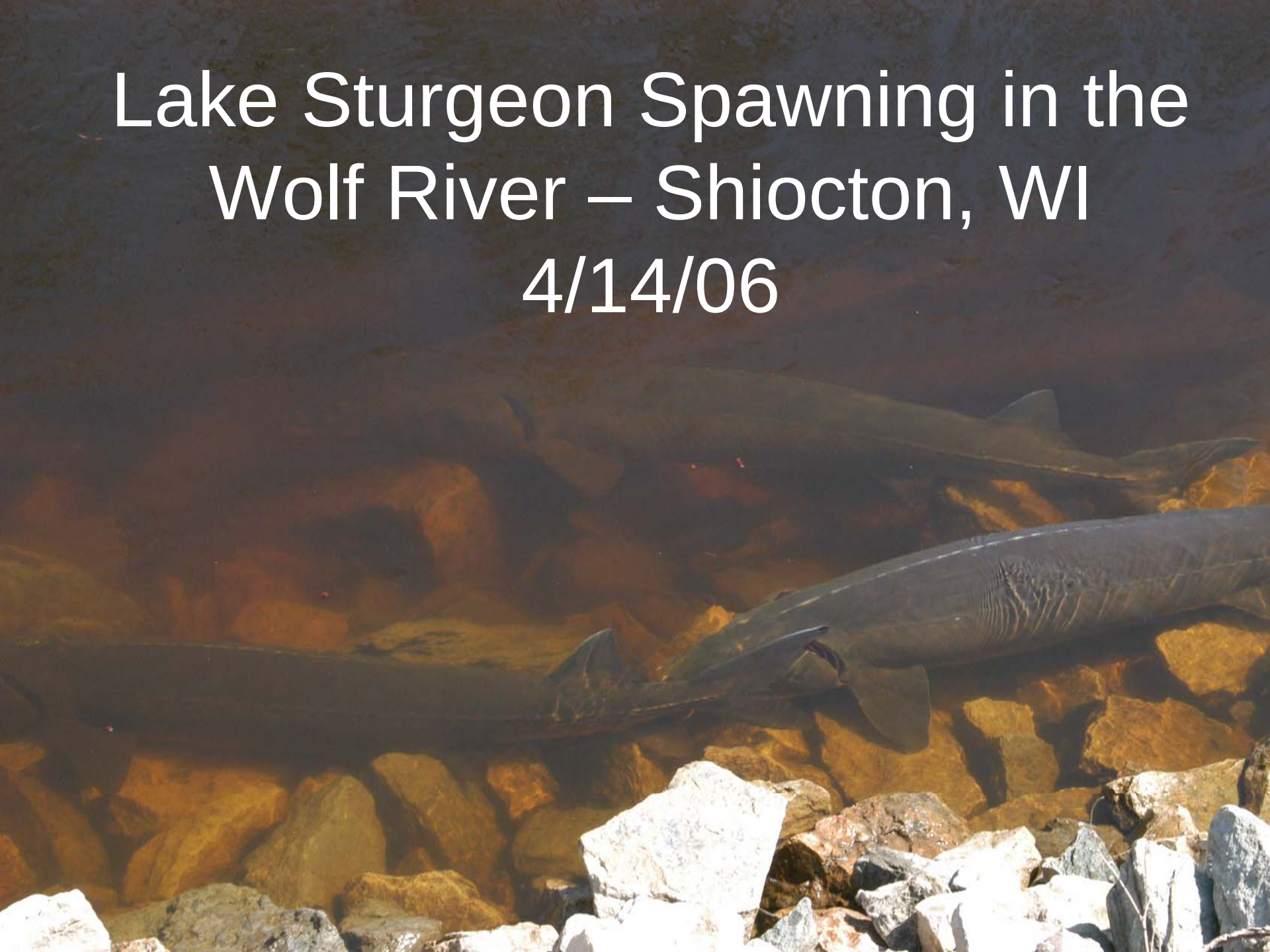
McQuown, E., C. C. Krueger, H. L. Kincaid, G. A. E. Gall and B. May. 2003. Genetic comparison of lake sturgeon populations: differentiation based on allelic frequencies at seven microsatellite loci. J. Great Lakes Res. 29(1):3-13.

The Sturgeon Streamside Rearing Facility Arrives

BAMBOO BEND PROJECT
FUNDED BY:
VILLAGE OF SHIOCTON
STURGEON FOR TOMORROW
SHADOWS ON THE WOLF INC.
WISCONSIN DEPARTMENT OF NATURAL RESOURCES
WISCONSIN DEPARTMENT OF TRANSPORTATION
PAYNES POINT HOOK & SPEAR FISHING CLUB
NATIONAL FISH & WILDLIFE FOUNDATION

Bamboo Bend

Lake Sturgeon Spawning in the Wolf River – Shiocton, WI 4/14/06



Genetic Sampling

Fertilization

F
E
D
C
G

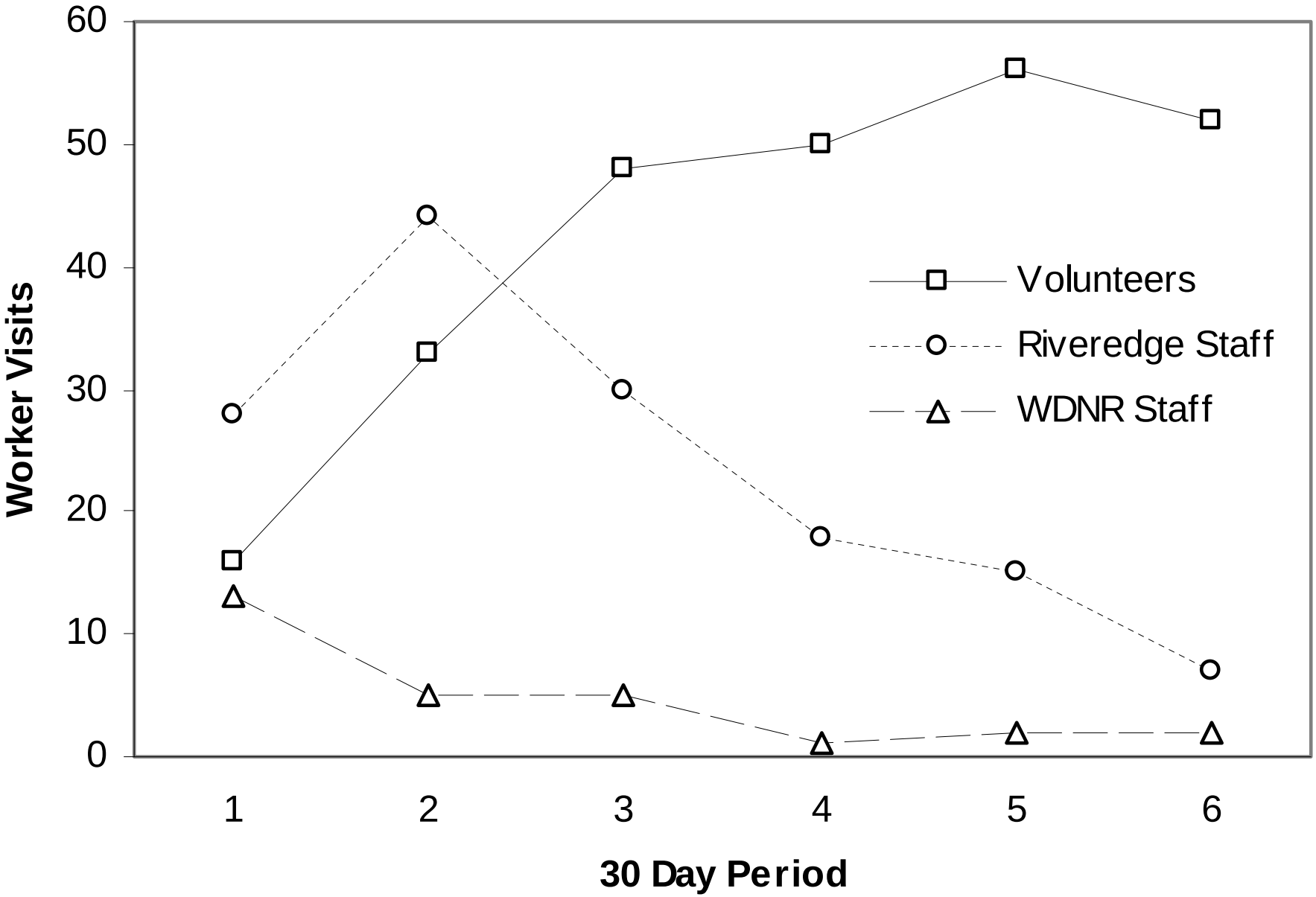
C
G

Milwaukee River SRF - 2006

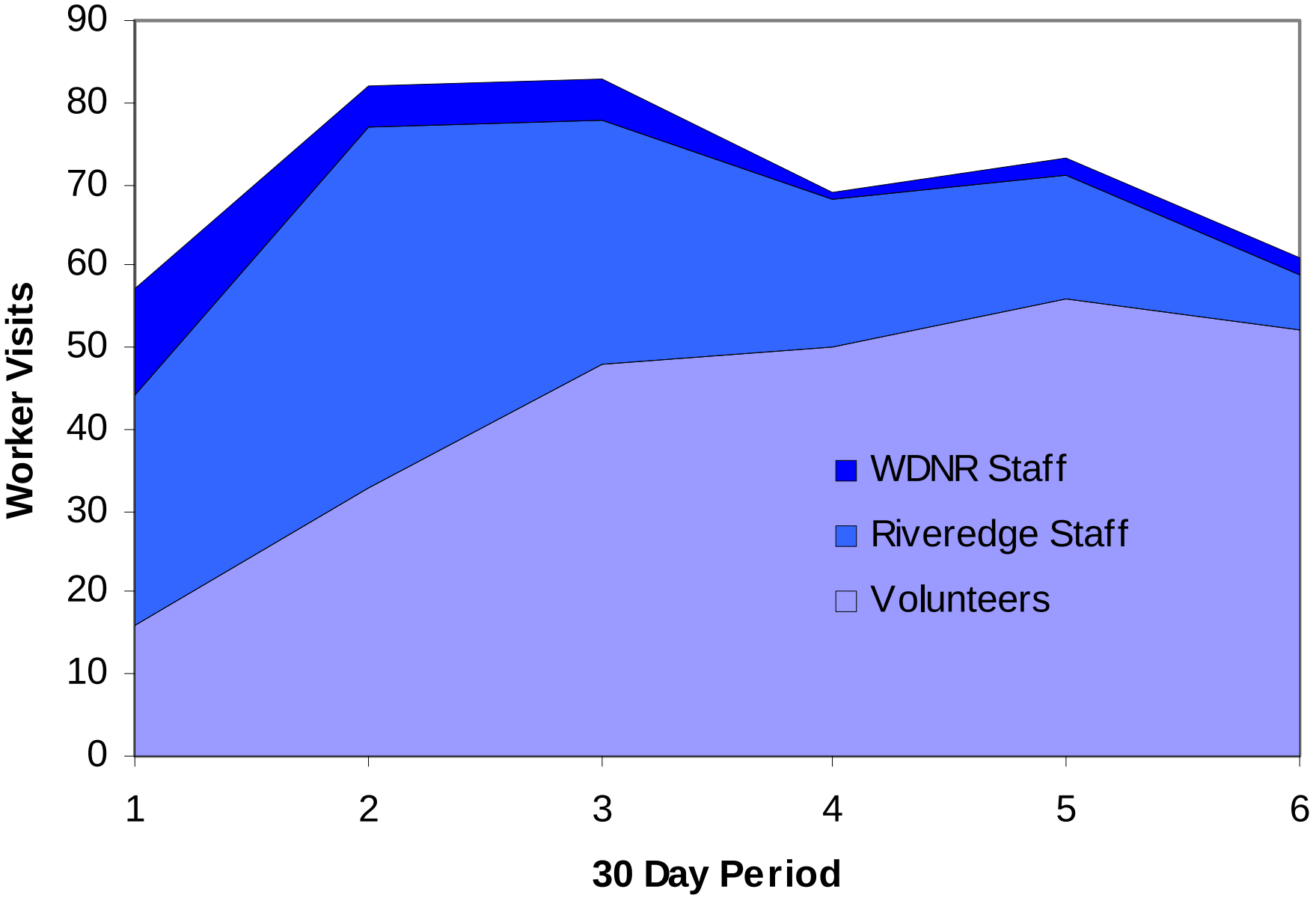
Daily Operation Basic Statistics

days of operation	**181**
days of operation with 1 visit	123
days of operation with 2 visits	55
days of operation with 3 visits	3
srf visits	**242**
daily operation worker visits	**425**
volunteer visits	255
rnc staff visits	142
wdnr staff visits	28
total daily operation worker hrs.	**534.3**
volunteer daily operation hrs.	303.6
rnc staff daily operation hrs.	170
wdnr staff daily operation hrs.	60.5
mean visit duration (hrs.)	**1.26**
mean # workers/srf visit	1.75
work hrs. / visit	2.21
mean volunteer visit duration (hrs.)	1.19
mean rnc staff visit duration (hrs.)	1.20
mean wdnr staff visit duration (hrs.)	2.16

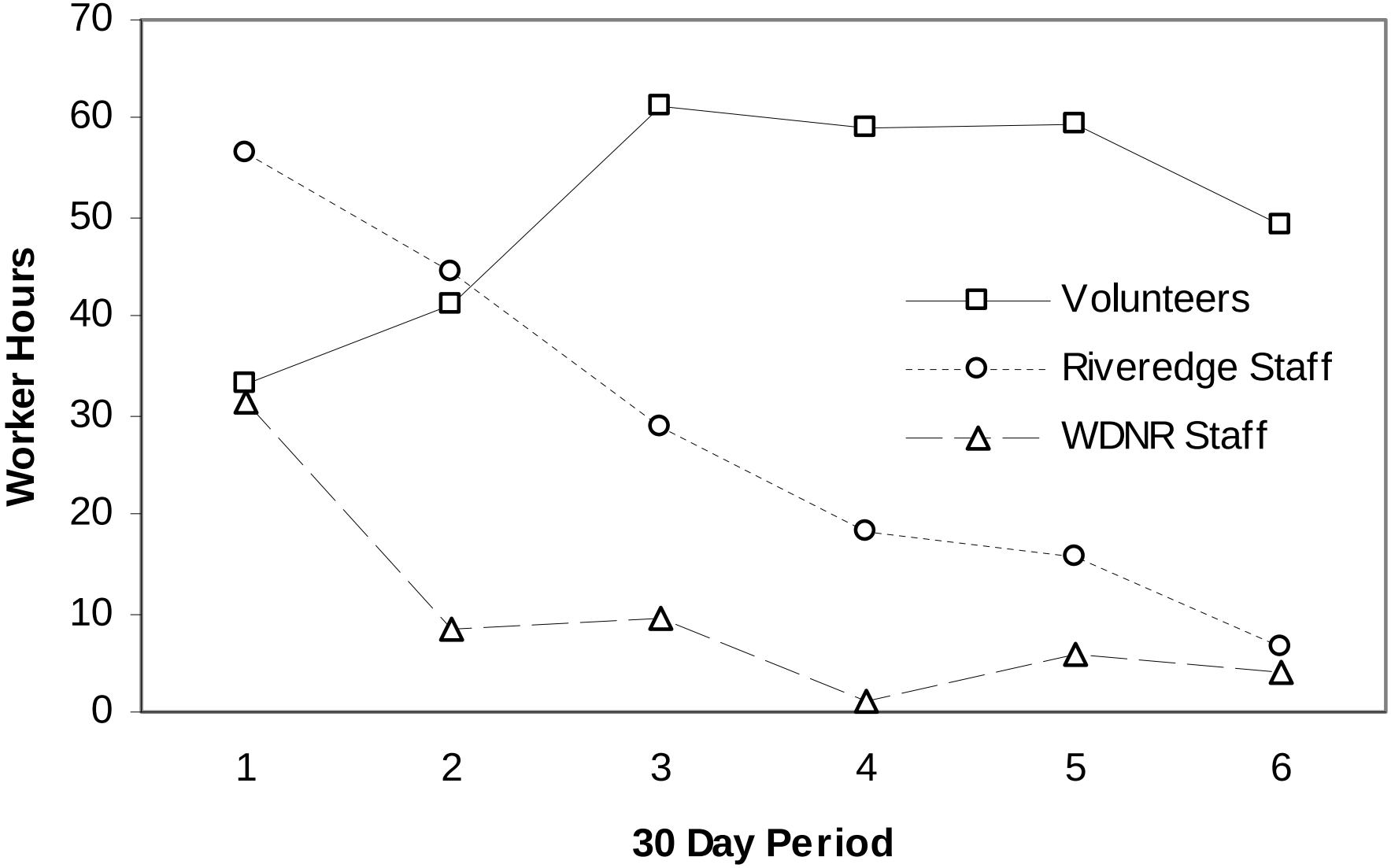
Daily Operation of the Milwaukee River SRF - 2006



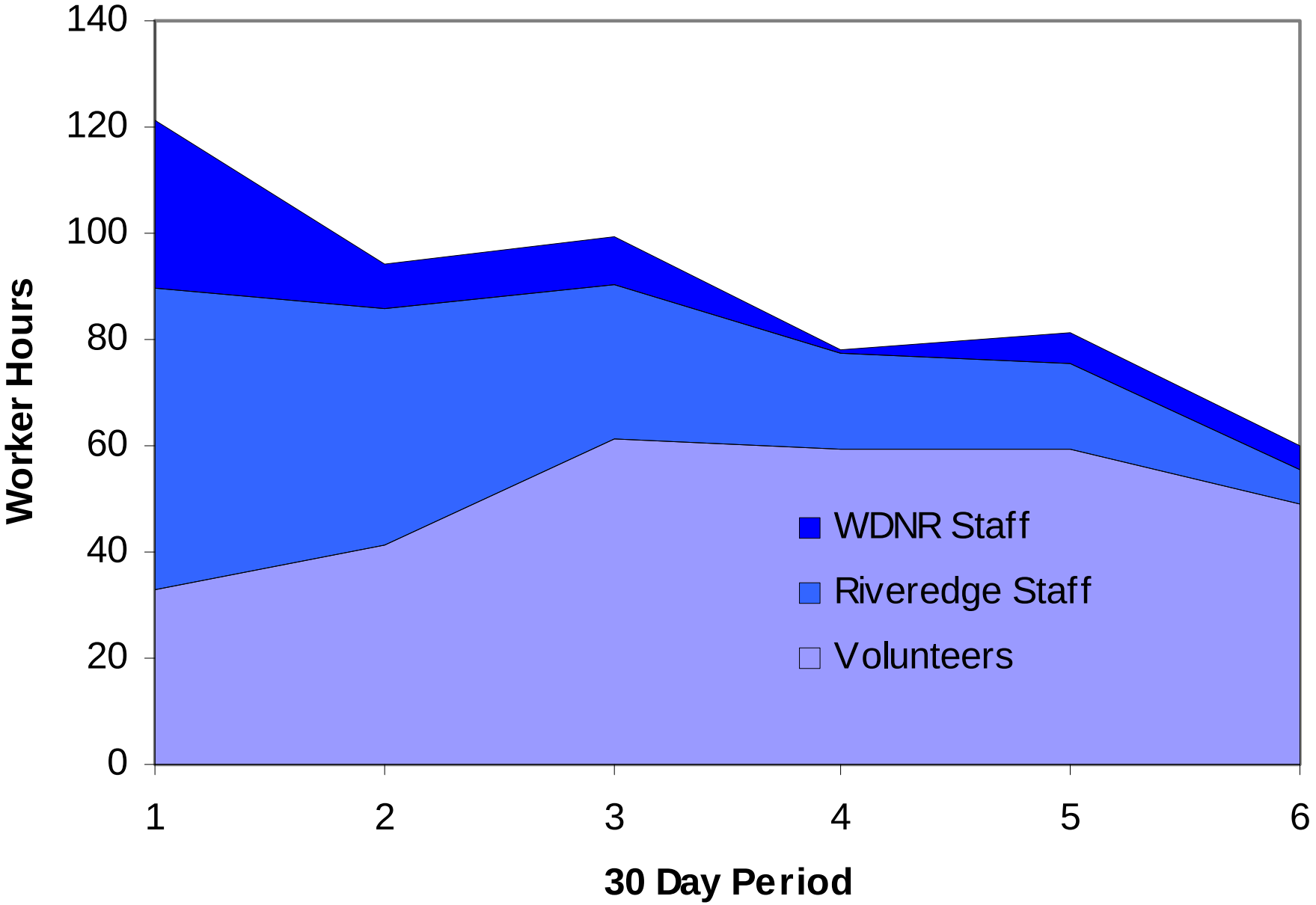
Daily Operation of the Milwaukee River SRF - 2006



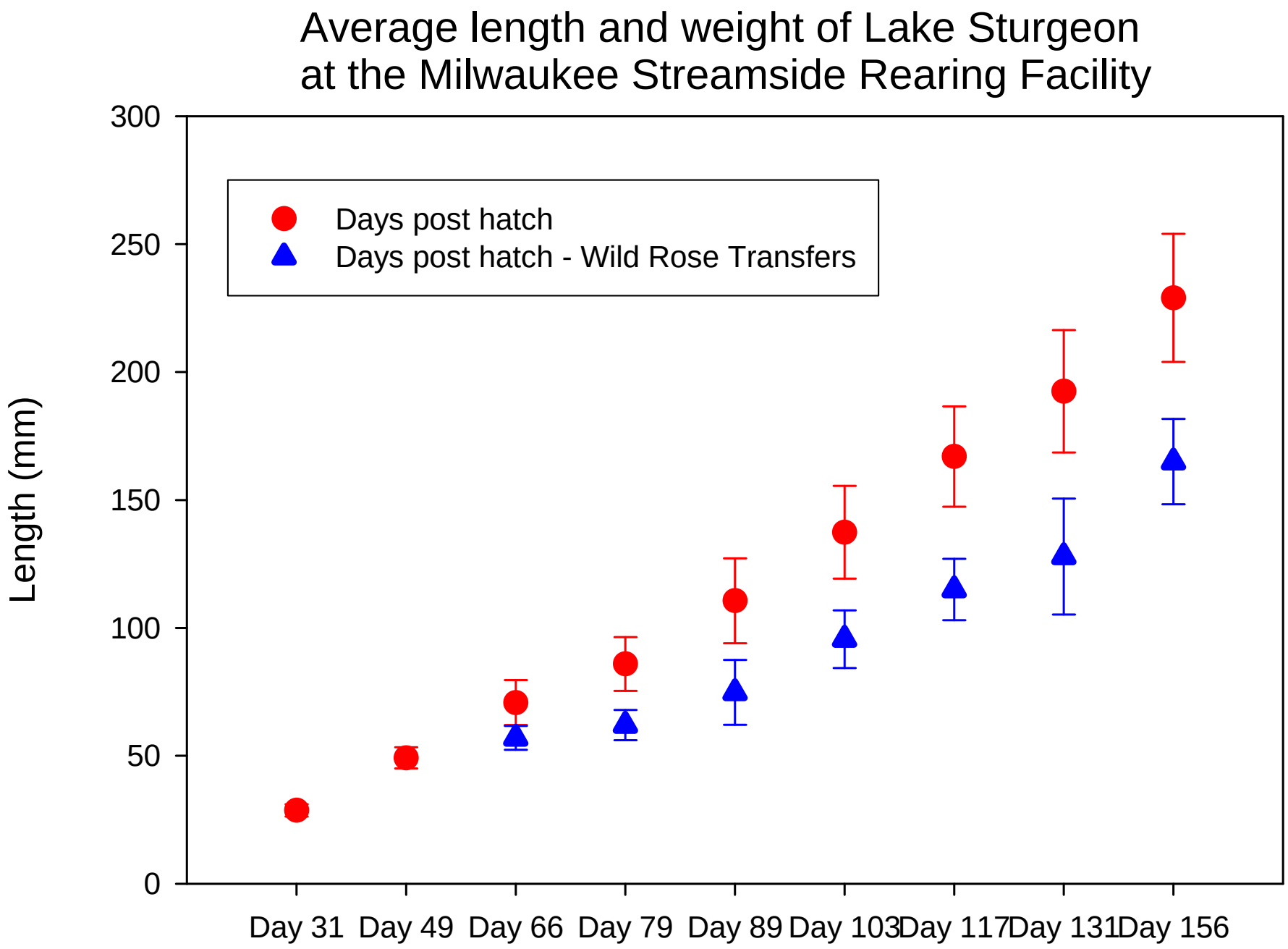
Daily Operation of the Milwaukee River SRF - 2006

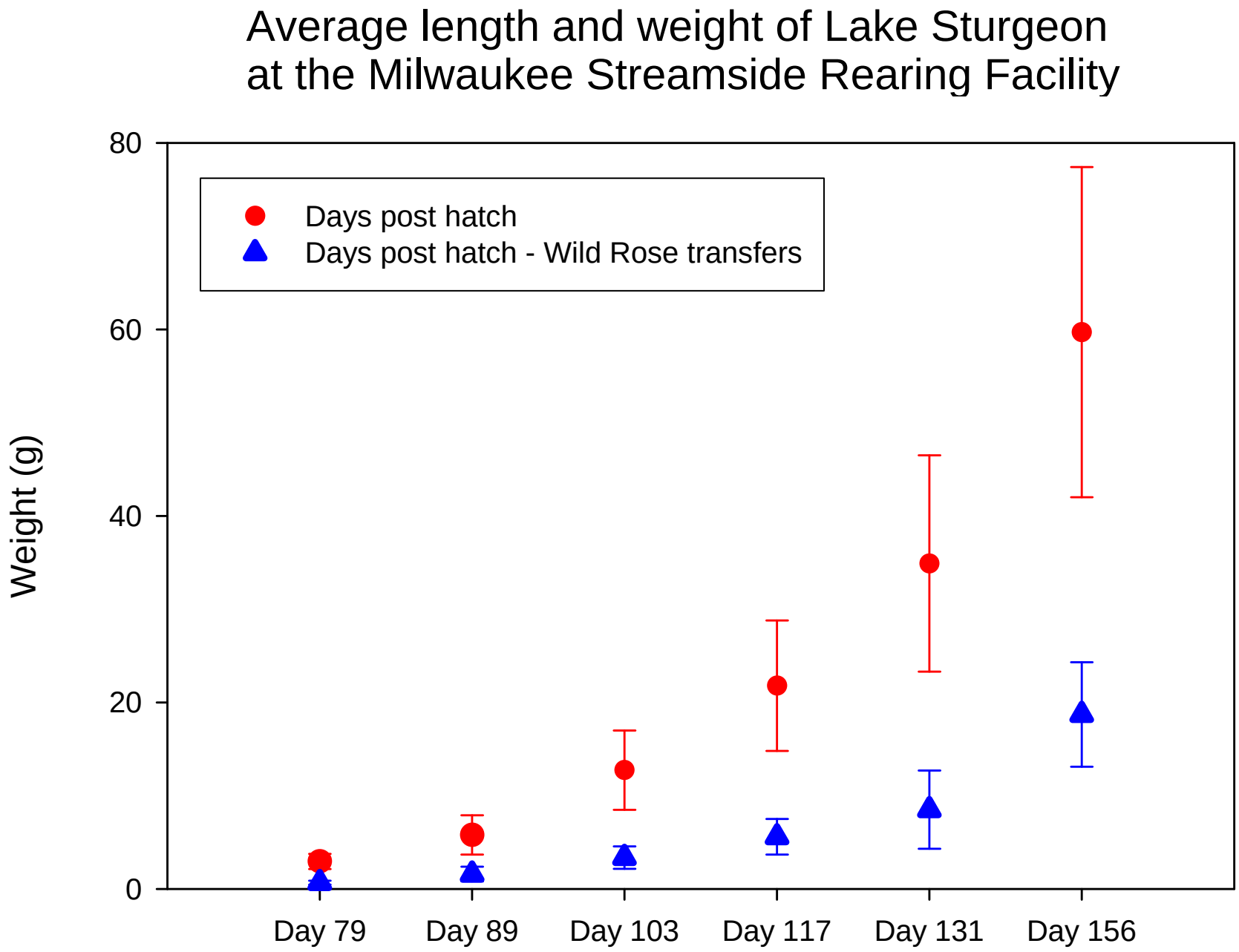


Daily Operation of the Milwaukee River SRF - 2006

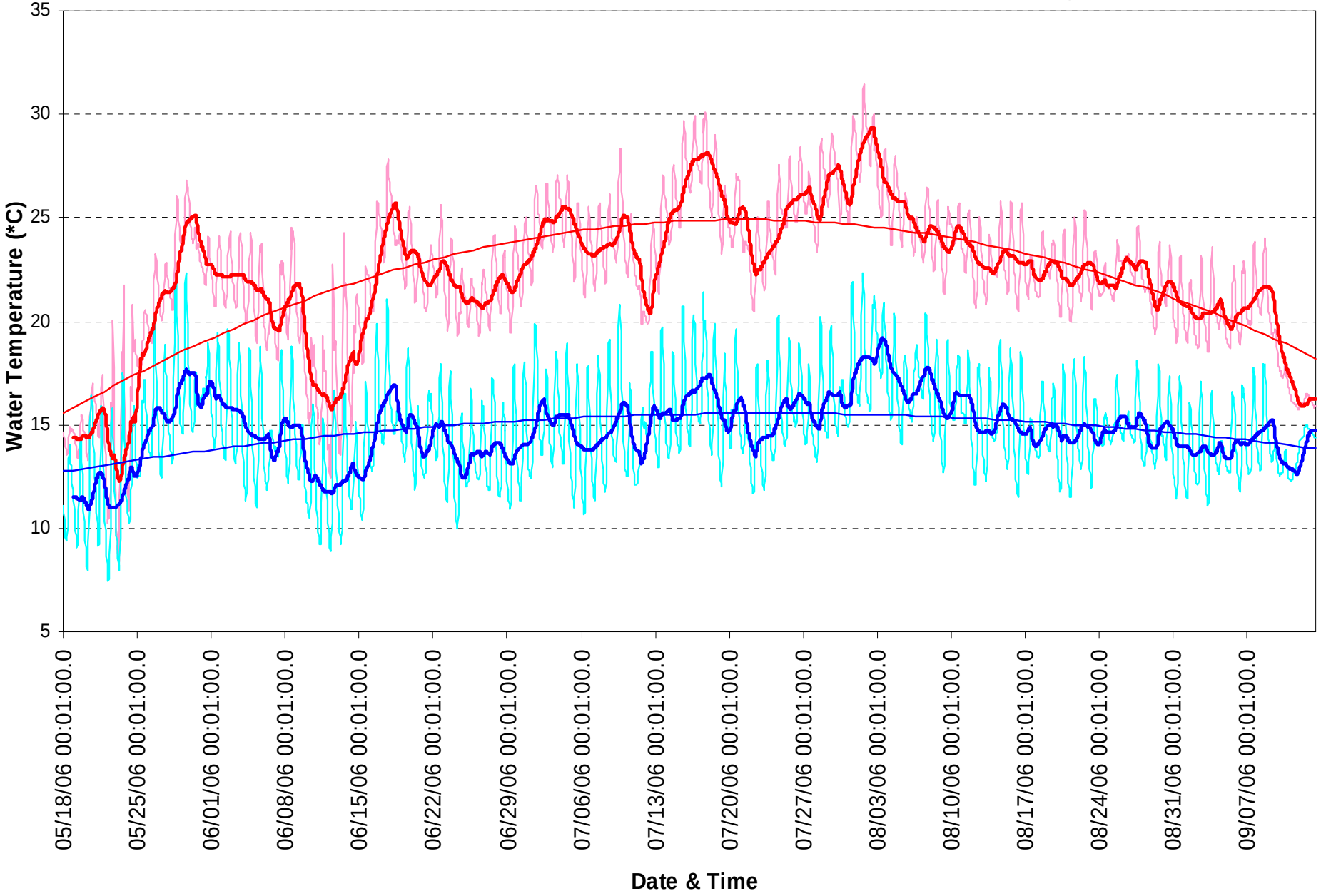


IMPORTANT
TWICE A YEAR
AQUATIC
ECO-SYSTEMS, INC.


Average length and weight of Lake Sturgeon
at the Milwaukee Streamside Rearing Facility
Days post hatch
Days post hatch - Wild Rose Transfers
Length (mm)
300
250
200
150
100
50
0
Day 31
Day 49
Day 66
Day 79
Day 89
Day 103
Day 117
Day 131
Day 156


Average length and weight of Lake Sturgeon
at the Milwaukee Streamside Rearing Facility
Days post hatch
Days post hatch - Wild Rose transfers
Weight (g)
80
60
40
20
0
Day 79
Day 89
Day 103
Day 117
Day 131
Day 156

Water Temperature - Milwaukee R. and Riveredge Cr.



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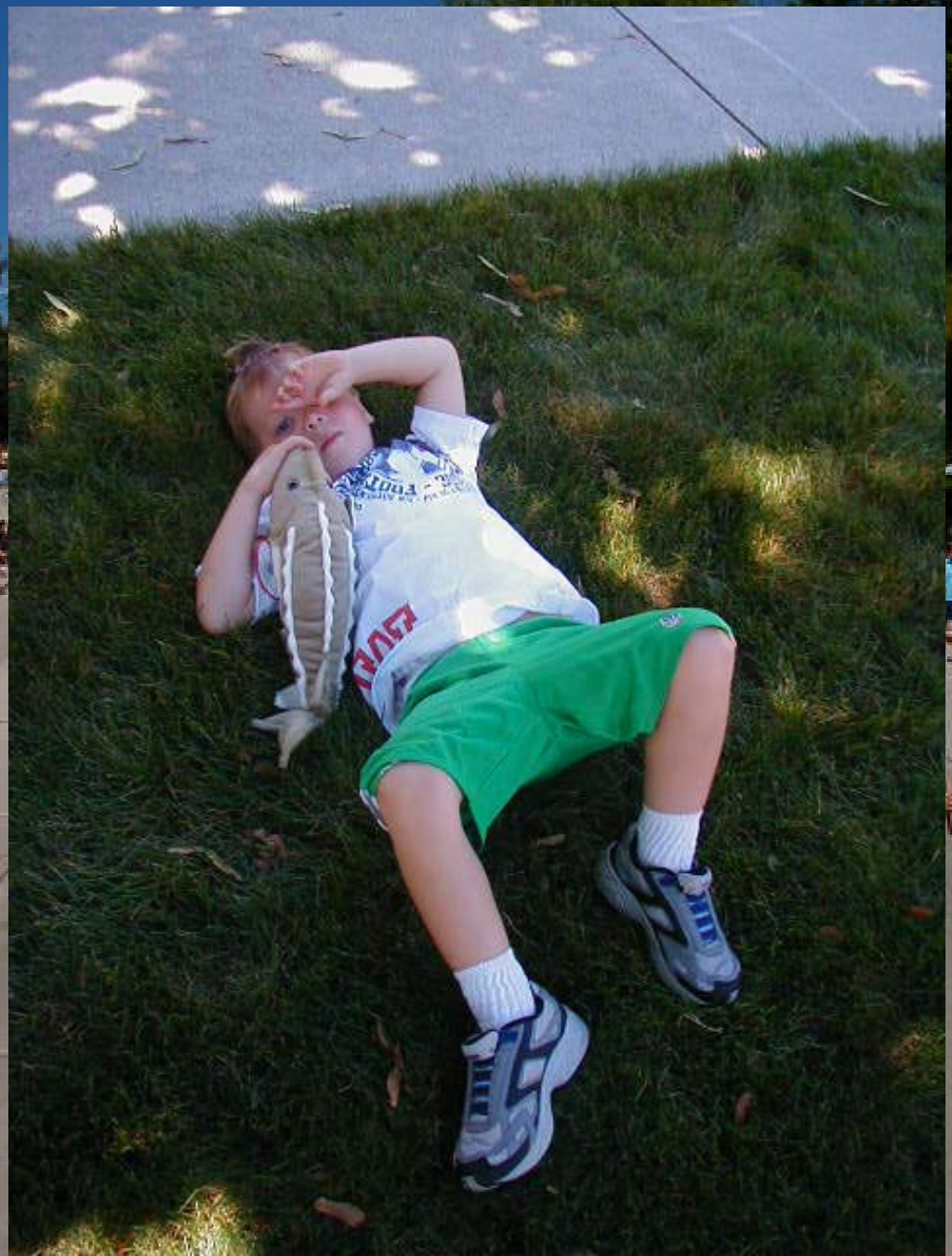
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