

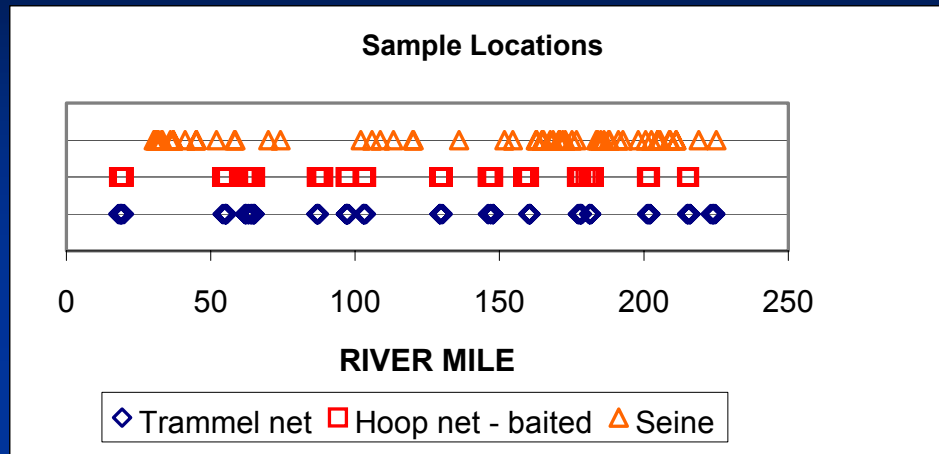
Biological Aspects of Warm Water Science Plan

Backwater Habitat Monitoring

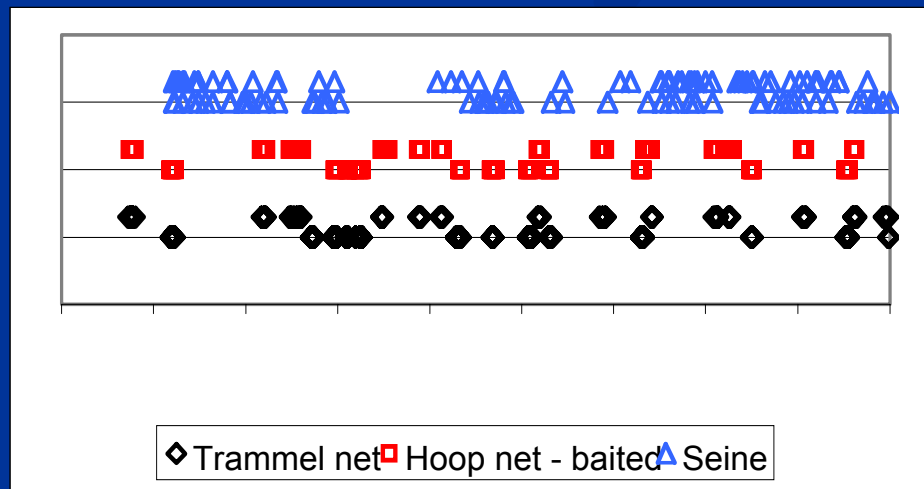
Native Fishes



July 17-August 2, 2002



Sept. 12-Sept. 25, 2002



Selection of Backwaters

"backwater" every 1-2 miles. Definition of a back water is near zero velocity water of any size. Seine the area furthest away from river.

Parameters Measured at Backwaters

- shoreline habitat, temperature, substrate, cover type are habitat variables measured.

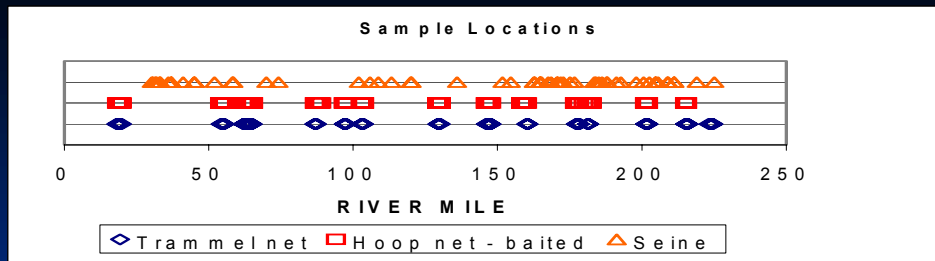


Table 4. Number of seine hauls and fish species captured by reach during Trip 1.

REACH	SEINE HAULS	BHS	CRP	FHM	FMS	HBC	RBT	RSH	SPD	SUC	UID	TOTAL
1	0											
2	20						6					6
3	3			2	8				1			11
4	1											0
5	0											
6	10	1	2		6				6	1		16
7	7				1		26					27
8	16	2		21	428	2			268	181		902
9	16	3		11	65				185		1	265
10	17	3		53	90			1	492			639
11	1								10	2		12
Grand Total	91	9	2	87	598	2	32	1	962	184	1	1,878

BHS= bluehead sucker; CRP= common carp; FHM= fathead minnow; FMS= flannelmouth sucker; HBC= humpback chub; RBT= rainbow trout; RSH= red shiner; SPD= speckled dace; SUC= sucker species (BHS or FMS); UID= unidentified.

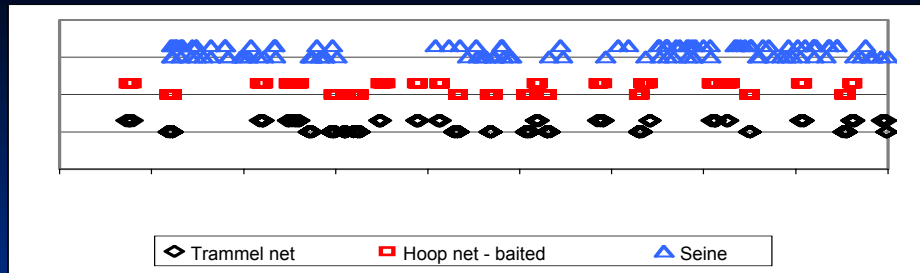


Table 5. Number of backwaters seined and fish species captured by reach during SWCA Trip 2.

REACH	Backwaters	BHS	CRP	FHM	FMS	HBC	RBT	RSH	SPD	PKF	UIS	TOTAL
1	0											
2	14				1		7					8
3	4		1	21	9	3		4		179		217
4	4			21		7	1	8	1	75		113
5	0											
6	9		1	23	33				5	29		91
7	4		1	10	7		3		10	2		33
8	7	9	1	102	179	1			119	15	2	428
9	6	13	1	30	62			1	184	3		294
10	5	2	1	13	24				151	5		196
11	4			10	7				41			58
Grand Total	57	24	6	230	322	11	11	13	511	308	2	1,438

BHS= bluehead sucker; CRP= common carp; FHM= fathead minnow; FMS= flannelmouth sucker; HBC= humpback chub; RBT= rainbow trout; RSH= red shiner; SPD= speckled dace; PKF=Plains killifish; UIS= unidentified sucker (BHS or FMS).